

Full differential gene expression results for macrophages.

| gene_short_name | estimate | std_err | test_val | p_value | normalized_effect | model_component | q_value |
|-----------------|-------------|-------------|----------|----------|-------------------|-----------------|-------------|
| FABP4 | -7.853728 | 7.1228094 | -1.1026 | 0.27 | -9.726483553 | count | 1 |
| MT1G | -6.0358186 | 5.3858463 | -1.1207 | 0.263 | -6.925075976 | count | 1 |
| CCL7 | -16.7579479 | 579.0145799 | -0.0289 | 0.9769 | -6.868106239 | count | 1 |
| MT1H | -17.6708884 | 1377.056097 | -0.0128 | 0.9898 | -6.053447143 | count | 1 |
| FN1 | -4.182696 | 0.9226583 | -4.5333 | 6.09E-06 | -5.836693239 | count | 0.14450352 |
| APOC1 | -4.024983 | 0.6292108 | -6.3969 | 1.89E-10 | -5.715760418 | count | 4.55E-06 |
| SLAMF9 | -4.6222961 | 1.152633 | -4.0102 | 6.25E-05 | -5.065717032 | count | 1 |
| JAKMIP2 | -17.278782 | 473.843205 | -0.0365 | 0.971 | -4.238259241 | count | 1 |
| FABP5 | -2.901351 | 0.2718002 | -10.6746 | 4.95E-26 | -4.175069457 | count | 1.20E-21 |
| SPINK1 | -17.304822 | 1476.497968 | -0.0117 | 0.991 | -4.033058447 | count | 1 |
| MMP7 | -17.223127 | 2177.085365 | -0.0079 | 0.994 | -3.866270316 | count | 1 |
| APOE | -2.665305 | 0.2952539 | -9.0272 | 3.47E-19 | -3.836529057 | count | 8.41E-15 |
| CHI3L1 | -17.337018 | 1283.111367 | -0.0135 | 0.989 | -3.61589264 | count | 1 |
| SDS | -2.5194276 | 0.2993028 | -8.4177 | 6.44E-17 | -3.437768891 | count | 1.56E-12 |
| GPNMB | -2.4480897 | 0.2232244 | -10.9669 | 2.35E-27 | -3.43735946 | count | 5.70E-23 |
| C15orf48 | -2.354126 | 0.2362872 | -9.963 | 6.00E-23 | -3.359733272 | count | 1.46E-18 |
| MMP12 | -17.037736 | 1556.760097 | -0.0109 | 0.991 | -3.205020923 | count | 1 |
| CST6 | -2.714291 | 0.8178351 | -3.3189 | 0.000917 | -3.092241901 | count | 1 |
| SPP1 | -2.119065 | 0.2607386 | -8.1272 | 6.89E-16 | -3.05517052 | count | 1.67E-11 |
| ITGB8 | -2.879657 | 0.8966875 | -3.2114 | 0.00134 | -2.869865874 | count | 1 |
| ITLN1 | -2.975454 | 1.8882932 | -1.5757 | 0.115 | -2.612679614 | count | 1 |
| PPARG | -1.940231 | 0.3999775 | -4.8509 | 1.31E-06 | -2.550891807 | count | 0.0311911 |
| OTOA | -2.3736584 | 0.3836663 | -6.1868 | 7.17E-10 | -2.505438762 | count | 1.72E-05 |
| RAB42 | -2.1979653 | 0.5379194 | -4.086 | 4.53E-05 | -2.463514849 | count | 1 |
| NT5E | -17.775165 | 1208.754147 | -0.0147 | 0.988 | -2.45108539 | count | 1 |
| ADAMDEC1 | -2.1004575 | 0.3487197 | -6.0233 | 1.97E-09 | -2.418982449 | count | 4.73E-05 |
| LPL | -2.3980836 | 0.8340443 | -2.8752 | 0.00407 | -2.410360467 | count | 1 |
| PCOLCE2 | -2.156078 | 0.835055 | -2.582 | 0.00988 | -2.384582188 | count | 1 |
| LINC01705 | -17.512754 | 1298.906837 | -0.0135 | 0.989 | -2.353553084 | count | 1 |
| PHLDA1 | -1.6462835 | 0.1789086 | -9.2018 | 7.31E-20 | -2.337190824 | count | 1.77E-15 |
| CTSL | -1.6091682 | 0.1261635 | -12.7546 | 4.02E-36 | -2.312753575 | count | 9.76E-32 |
| MT1X | -1.6161869 | 0.3940643 | -4.1013 | 4.24E-05 | -2.295441381 | count | 0.9993256 |
| CXCL5 | -1.759827 | 0.8557194 | -2.0565 | 0.0398 | -2.236971867 | count | 1 |
| CSTB | -1.532215 | 0.1168619 | -13.1113 | 5.22E-38 | -2.207815419 | count | 1.27E-33 |
| MIR210HG | -2.425064 | 1.044312 | -2.3222 | 0.0203 | -2.133934736 | count | 1 |
| SDC2 | -1.5357132 | 0.2350775 | -6.5328 | 7.82E-11 | -2.133776294 | count | 1.88E-06 |
| TFPI | -1.671809 | 0.528581 | -3.1628 | 0.00158 | -2.122979266 | count | 1 |
| NRIP3 | -1.7205729 | 0.4538373 | -3.7912 | 0.000154 | -2.095764976 | count | 1 |
| AC022092.1 | -16.67632 | 824.0777138 | -0.0202 | 0.984 | -2.076270616 | count | 1 |
| CD109 | -1.571515 | 0.305002 | -5.1525 | 2.78E-07 | -2.070141728 | count | 0.006635304 |
| FBP1 | -1.4324131 | 0.1615803 | -8.865 | 1.44E-18 | -2.047087521 | count | 3.49E-14 |
| LY6K | -16.539338 | 703.228147 | -0.0235 | 0.981 | -2.045369828 | count | 1 |
| MATK | -2.236576 | 0.9355289 | -2.3907 | 0.0169 | -2.03645617 | count | 1 |
| GSDME | -1.9767523 | 0.7259346 | -2.723 | 0.00651 | -2.033543787 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|----------|----------|--------------|-------|-------------|
| SCD | -1.6483733 | 0.3961881 | -4.1606 | 3.28E-05 | -1.998529314 | count | 0.77408 |
| SLC16A10 | -1.449779 | 0.2241593 | -6.4676 | 1.20E-10 | -1.953399075 | count | 2.89E-06 |
| ACP5 | -1.386632 | 0.1680482 | -8.2514 | 2.52E-16 | -1.951021408 | count | 6.10E-12 |
| ADSSL1 | -2.007947 | 0.8483685 | -2.3668 | 0.018 | -1.90214026 | count | 1 |
| TM4SF19 | -2.284186 | 1.466638 | -1.5574 | 0.119 | -1.881787561 | count | 1 |
| HS3ST1 | -1.4221524 | 0.3601901 | -3.9483 | 8.09E-05 | -1.876560557 | count | 1 |
| ENO2 | -2.305484 | 1.5454954 | -1.4917 | 0.136 | -1.860555443 | count | 1 |
| GOLGA7B | -17.072333 | 927.408354 | -0.0184 | 0.985 | -1.84462627 | count | 1 |
| ANKRD29 | -16.530588 | 812.1649817 | -0.0204 | 0.984 | -1.844626167 | count | 1 |
| ANGPTL4 | -1.538627 | 0.6087138 | -2.5277 | 0.0115 | -1.813084555 | count | 1 |
| ST14 | -1.4059535 | 0.307697 | -4.5693 | 5.14E-06 | -1.804720946 | count | 0.12201846 |
| IGLC2 | -1.8339188 | 0.2713414 | -6.7587 | 1.73E-11 | -1.796278529 | count | 4.17E-07 |
| LINC01857 | -2.5548807 | 1.0636969 | -2.4019 | 0.0164 | -1.786873548 | count | 1 |
| MMP9 | -1.2771939 | 0.4508488 | -2.8329 | 0.00465 | -1.776202945 | count | 1 |
| MMP19 | -1.2683375 | 0.2280245 | -5.5623 | 2.95E-08 | -1.753839381 | count | 0.000706496 |
| SPOCD1 | -16.964828 | 1089.96318 | -0.0156 | 0.988 | -1.73270474 | count | 1 |
| PLIN2 | -1.2021334 | 0.0963508 | -12.4766 | 1.11E-34 | -1.727069231 | count | 2.70E-30 |
| ABCG1 | -1.3563006 | 0.2345934 | -5.7815 | 8.34E-09 | -1.718116569 | count | 0.000200077 |
| SLC39A8 | -1.2654986 | 0.3213341 | -3.9383 | 8.44E-05 | -1.706575851 | count | 1 |
| OLR1 | -1.2096251 | 0.1179055 | -10.2593 | 3.29E-24 | -1.70565781 | count | 7.98E-20 |
| CLLU1OS | -16.926011 | 969.5722077 | -0.0175 | 0.986 | -1.693380812 | count | 1 |
| EFNA5 | -16.92555 | 1978.134449 | -0.0086 | 0.993 | -1.693380811 | count | 1 |
| TGM2 | -1.7305661 | 0.7047839 | -2.4555 | 0.0141 | -1.68955912 | count | 1 |
| ABCA1 | -1.2046475 | 0.1528141 | -7.8831 | 4.76E-15 | -1.680926397 | count | 1.15E-10 |
| AGRP | -1.717485 | 1.047495 | -1.6396 | 0.101 | -1.653708308 | count | 1 |
| FHAD1 | -1.7009516 | 0.6069456 | -2.8025 | 0.00511 | -1.633025045 | count | 1 |
| KLHDC8B | -1.4082636 | 0.3456082 | -4.0747 | 4.75E-05 | -1.627591066 | count | 1 |
| LINC01943 | -1.435282 | 0.5224185 | -2.7474 | 0.00605 | -1.599156144 | count | 1 |
| NCS1 | -1.961491 | 0.7801747 | -2.5142 | 0.012 | -1.589687811 | count | 1 |
| HSD3B7 | -1.2676495 | 0.2986899 | -4.244 | 2.28E-05 | -1.584567328 | count | 0.5388096 |
| ZFP62 | -2.016306 | 0.8722942 | -2.3115 | 0.0209 | -1.581992538 | count | 1 |
| C1orf21 | -2.7006403 | 0.791083 | -3.4139 | 0.000651 | -1.574156486 | count | 1 |
| ALDH1A2 | -16.799531 | 1054.541453 | -0.0159 | 0.987 | -1.568538693 | count | 1 |
| TIMP1 | -1.0881445 | 0.1294858 | -8.4036 | 7.23E-17 | -1.568362846 | count | 1.75E-12 |
| CSF1 | -2.019728 | 1.0158972 | -1.9881 | 0.0469 | -1.565736102 | count | 1 |
| SLC2A5 | -1.228682 | 0.3656546 | -3.3602 | 0.000791 | -1.560425854 | count | 1 |
| KIFC3 | -1.3638477 | 0.3533685 | -3.8596 | 0.000117 | -1.546955999 | count | 1 |
| FABP3 | -1.4670846 | 0.7048435 | -2.0814 | 0.0375 | -1.542797065 | count | 1 |
| CTSD | -1.0708559 | 0.086337 | -12.4032 | 2.62E-34 | -1.542075336 | count | 6.36E-30 |
| MME | -1.66332 | 1.078463 | -1.5423 | 0.123 | -1.537846362 | count | 1 |
| SERPINE1 | -1.5977881 | 0.6015071 | -2.6563 | 0.00795 | -1.532807422 | count | 1 |
| AC109826.1 | -1.840701 | 0.4990994 | -3.688 | 0.000231 | -1.52806377 | count | 1 |
| ERO1A | -1.0873079 | 0.1592828 | -6.8263 | 1.09E-11 | -1.526614929 | count | 2.63E-07 |
| TMEM45A | -2.4855197 | 1.3745415 | -1.8083 | 0.0707 | -1.523414383 | count | 1 |
| HIF1A-AS2 | -1.324646 | 0.5038858 | -2.6289 | 0.00862 | -1.522287989 | count | 1 |

| | | | | | | | |
|------------|-------------|-------------|----------|----------|--------------|-------|-------------|
| SLC6A8 | -1.4933862 | 0.5774093 | -2.5864 | 0.00976 | -1.51897192 | count | 1 |
| RARRES1 | -1.861865 | 0.4333083 | -4.2969 | 1.80E-05 | -1.507589878 | count | 0.42579 |
| RALA | -1.0615467 | 0.1108231 | -9.5788 | 2.31E-21 | -1.502950545 | count | 5.60E-17 |
| AC004988.1 | -16.916007 | 1059.996739 | -0.016 | 0.987 | -1.478873802 | count | 1 |
| AC004130.1 | -16.7831291 | 860.5236575 | -0.0195 | 0.984 | -1.478873416 | count | 1 |
| SH3D21 | -2.2358079 | 1.2248551 | -1.8254 | 0.0681 | -1.477760256 | count | 1 |
| RAI14 | -1.347254 | 0.60913 | -2.2118 | 0.0271 | -1.474047667 | count | 1 |
| AK4 | -1.6428907 | 0.701752 | -2.3411 | 0.0193 | -1.467843604 | count | 1 |
| NR1H3 | -1.3525284 | 0.4060548 | -3.3309 | 0.000878 | -1.449239245 | count | 1 |
| AP001453.2 | -2.021311 | 1.2369392 | -1.6341 | 0.102 | -1.447604081 | count | 1 |
| SPHK1 | -1.1355532 | 0.2912562 | -3.8988 | 9.93E-05 | -1.445250566 | count | 1 |
| LINC01094 | -1.1003868 | 0.1827093 | -6.0226 | 1.97E-09 | -1.440509866 | count | 4.73E-05 |
| DUSP4 | -1.1962393 | 0.3238198 | -3.6942 | 0.000225 | -1.438846978 | count | 1 |
| AL138724.1 | -17.094318 | 2021.187871 | -0.0085 | 0.993 | -1.431860382 | count | 1 |
| ARL4C | -1.0043344 | 0.1033559 | -9.7172 | 6.29E-22 | -1.420111264 | count | 1.52E-17 |
| IL4I1 | -1.0508105 | 0.2460233 | -4.2712 | 2.02E-05 | -1.420037366 | count | 0.4777098 |
| CXXC5 | -1.030118 | 0.2077735 | -4.9579 | 7.61E-07 | -1.409203548 | count | 0.018133869 |
| EDNRB | -1.3711431 | 0.429361 | -3.1935 | 0.00142 | -1.392265576 | count | 1 |
| PLA2G7 | -0.9909204 | 0.1678656 | -5.9031 | 4.06E-09 | -1.384614674 | count | 9.75E-05 |
| GZMA | -18.0051722 | 1280.00079 | -0.0141 | 0.989 | -1.383264095 | count | 1 |
| ASPHD1 | -16.829472 | 1760.04905 | -0.0096 | 0.992 | -1.383264016 | count | 1 |
| GCHFR | -0.9824161 | 0.1946862 | -5.0462 | 4.84E-07 | -1.378433619 | count | 0.01154098 |
| CADM1 | -2.0137475 | 0.5996036 | -3.3585 | 0.000796 | -1.376407662 | count | 1 |
| SCIN | -2.1621509 | 0.8501532 | -2.5432 | 0.011 | -1.376245146 | count | 1 |
| LHFPL2 | -1.0168171 | 0.1805995 | -5.6302 | 2.00E-08 | -1.369119107 | count | 0.00047924 |
| LXN | -1.105412 | 0.2945794 | -3.7525 | 0.000179 | -1.36033067 | count | 1 |
| GK | -0.9591309 | 0.095601 | -10.0326 | 3.05E-23 | -1.354211048 | count | 7.40E-19 |
| IL7R | -1.4445355 | 0.5139661 | -2.8106 | 0.00498 | -1.336230165 | count | 1 |
| DNAH11 | -16.544192 | 1663.931905 | -0.0099 | 0.992 | -1.332973615 | count | 1 |
| B4GALT2 | -17.3689868 | 1036.227709 | -0.0168 | 0.987 | -1.332973348 | count | 1 |
| HAMP | -1.1266952 | 0.4951172 | -2.2756 | 0.023 | -1.330280544 | count | 1 |
| TACSTD2 | -2.8580353 | 1.6052903 | -1.7804 | 0.0751 | -1.329799358 | count | 1 |
| CXCL10 | -0.9668391 | 0.6342427 | -1.5244 | 0.1275 | -1.32498441 | count | 1 |
| MT1M | -1.3997877 | 0.6859397 | -2.0407 | 0.0414 | -1.324320227 | count | 1 |
| SMPDL3A | -1.0007018 | 0.2109923 | -4.7428 | 2.23E-06 | -1.319758783 | count | 0.05303386 |
| CYSTM1 | -0.9281053 | 0.1165121 | -7.9657 | 2.49E-15 | -1.308686022 | count | 6.02E-11 |
| TKTL1 | -1.699127 | 0.9763084 | -1.7404 | 0.0819 | -1.304582265 | count | 1 |
| PROCR | -1.4996108 | 0.5197937 | -2.885 | 0.00395 | -1.302483119 | count | 1 |
| VWA5A | -1.020542 | 0.3662675 | -2.7863 | 0.00537 | -1.301085324 | count | 1 |
| SDSL | -0.9876354 | 0.1848225 | -5.3437 | 9.95E-08 | -1.29091291 | count | 0.002378448 |
| MREG | -17.483181 | 2539.266946 | -0.0069 | 0.995 | -1.280866051 | count | 1 |
| SIT1 | -16.484338 | 2034.413778 | -0.0081 | 0.994 | -1.28086596 | count | 1 |
| MITF | -0.9491907 | 0.2289925 | -4.1451 | 3.51E-05 | -1.277352402 | count | 0.8280441 |
| MT1E | -1.1372166 | 0.3261537 | -3.4868 | 0.000498 | -1.270783822 | count | 1 |
| CDCP1 | -1.0492273 | 0.3332535 | -3.1484 | 0.00166 | -1.269786043 | count | 1 |

| | | | | | | | |
|-------------|-------------|-------------|----------|----------|--------------|-------|-------------|
| PLOD2 | -2.001488 | 1.1120188 | -1.7999 | 0.072 | -1.269734898 | count | 1 |
| KCNMA1 | -1.008081 | 0.1878715 | -5.3658 | 8.81E-08 | -1.269497648 | count | 0.002106471 |
| L3MBTL4-AS1 | -1.5917621 | 0.6168447 | -2.5805 | 0.00992 | -1.266966974 | count | 1 |
| CHCHD6 | -1.3889267 | 0.5235452 | -2.6529 | 0.00803 | -1.265405685 | count | 1 |
| GLA | -0.9214785 | 0.1246749 | -7.3911 | 1.99E-13 | -1.264408333 | count | 4.81E-09 |
| CD81 | -0.8797939 | 0.0683205 | -12.8775 | 9.12E-37 | -1.262964574 | count | 2.22E-32 |
| SMOX | -1.2463681 | 0.440667 | -2.8284 | 0.00472 | -1.254618363 | count | 1 |
| CCL20 | -0.9079987 | 0.3131925 | -2.8992 | 0.00377 | -1.253348315 | count | 1 |
| SYNJ2 | -1.8128474 | 0.6402446 | -2.8315 | 0.00467 | -1.250971822 | count | 1 |
| TREM2 | -0.8883865 | 0.1649103 | -5.3871 | 7.84E-08 | -1.249688592 | count | 0.001874701 |
| IGKC | -0.9173176 | 0.1819427 | -5.0418 | 4.95E-07 | -1.249466207 | count | 0.011802285 |
| MAPK13 | -0.9904833 | 0.386939 | -2.5598 | 0.0105 | -1.247588221 | count | 1 |
| NPC1 | -1.0909742 | 0.391379 | -2.7875 | 0.00535 | -1.24238785 | count | 1 |
| TMEM158 | -0.9172697 | 0.2772221 | -3.3088 | 0.000951 | -1.228688605 | count | 1 |
| HACD1 | -17.4486879 | 1151.250769 | -0.0152 | 0.988 | -1.226805978 | count | 1 |
| CRTAC1 | -17.4459171 | 2958.116184 | -0.0059 | 0.995 | -1.226805978 | count | 1 |
| CDK14 | -1.161713 | 0.4892491 | -2.3745 | 0.0177 | -1.225370238 | count | 1 |
| DSE | -0.8756747 | 0.1121356 | -7.8091 | 8.47E-15 | -1.222130596 | count | 2.05E-10 |
| CELSR1 | -1.715199 | 1.729978 | -0.9915 | 0.322 | -1.209960335 | count | 1 |
| CENPM | -1.828478 | 2.1197134 | -0.8626 | 0.388 | -1.208091232 | count | 1 |
| CD9 | -0.844591 | 0.0938596 | -8.9985 | 4.47E-19 | -1.20744478 | count | 1.08E-14 |
| CXCL9 | -2.200688 | 1.18052 | -1.8642 | 0.0624 | -1.204664269 | count | 1 |
| NPL | -0.8507718 | 0.1164566 | -7.3055 | 3.72E-13 | -1.199849608 | count | 8.98E-09 |
| KCNN4 | -1.0171333 | 0.3626628 | -2.8046 | 0.00508 | -1.198899982 | count | 1 |
| UCK2 | -1.3830664 | 0.5324153 | -2.5977 | 0.00944 | -1.189262051 | count | 1 |
| PCBD1 | -0.8578062 | 0.1336486 | -6.4184 | 1.65E-10 | -1.188162963 | count | 3.97E-06 |
| HIC1 | -1.059388 | 0.3576203 | -2.9623 | 0.00308 | -1.186672628 | count | 1 |
| RUNX3 | -0.9912869 | 0.2797335 | -3.5437 | 0.000402 | -1.18627391 | count | 1 |
| SLAMF8 | -0.8883245 | 0.1467885 | -6.0517 | 1.65E-09 | -1.179604006 | count | 3.96E-05 |
| RAB13 | -0.8310595 | 0.1218035 | -6.823 | 1.12E-11 | -1.171459067 | count | 2.70E-07 |
| ACOT4 | -16.625003 | 1023.643639 | -0.0162 | 0.987 | -1.170641281 | count | 1 |
| MYO10 | -16.8595571 | 868.4515805 | -0.0194 | 0.985 | -1.170640983 | count | 1 |
| TCTEX1D1 | -16.7227473 | 767.1447327 | -0.0218 | 0.983 | -1.17064097 | count | 1 |
| LRRC6 | -1.861024 | 1.6694203 | -1.1148 | 0.265 | -1.166399953 | count | 1 |
| LGALS3 | -0.7974459 | 0.0837459 | -9.5222 | 3.91E-21 | -1.148275984 | count | 9.48E-17 |
| VKORC1 | -0.8102714 | 0.0941713 | -8.6042 | 1.35E-17 | -1.144202719 | count | 3.27E-13 |
| P2RY11 | -1.2257123 | 0.5099893 | -2.4034 | 0.0163 | -1.138092045 | count | 1 |
| SATB1 | -0.8961655 | 0.2435278 | -3.6799 | 0.000238 | -1.137225021 | count | 1 |
| INO80B | -1.599936 | 0.774701 | -2.0652 | 0.039 | -1.136428035 | count | 1 |
| FGGY | -1.3180357 | 0.5954587 | -2.2135 | 0.027 | -1.134219073 | count | 1 |
| MGP | -0.8197388 | 0.2209141 | -3.7107 | 0.000211 | -1.131093363 | count | 1 |
| LPIN1 | -1.0279546 | 0.3366062 | -3.0539 | 0.00228 | -1.128896559 | count | 1 |
| TCEAL9 | -0.8591555 | 0.2087258 | -4.1162 | 3.98E-05 | -1.127395175 | count | 0.9385238 |
| RGS1 | -0.8024431 | 0.0972456 | -8.2517 | 2.52E-16 | -1.125573494 | count | 6.10E-12 |
| FAM89A | -0.8695051 | 0.2645652 | -3.2865 | 0.00103 | -1.120099576 | count | 1 |

| | | | | | | | |
|------------|-------------|-------------|----------|----------|--------------|-------|-------------|
| MGLL | -0.7930192 | 0.202118 | -3.9235 | 8.97E-05 | -1.118183594 | count | 1 |
| SHB | -2.2847239 | 0.653327 | -3.4971 | 0.000479 | -1.113091291 | count | 1 |
| CACNA1G | -17.274853 | 2074.937854 | -0.0083 | 0.993 | -1.112200952 | count | 1 |
| FLRT2 | -17.274155 | 1806.521748 | -0.0096 | 0.992 | -1.112200952 | count | 1 |
| SHISAL2A | -17.273719 | 1603.070718 | -0.0108 | 0.991 | -1.112200952 | count | 1 |
| PTPN13 | -16.27785 | 2589.026385 | -0.0063 | 0.995 | -1.112200862 | count | 1 |
| STX1A | -16.5683536 | 1979.724292 | -0.0084 | 0.993 | -1.112200588 | count | 1 |
| NMB | -0.9179373 | 0.3847115 | -2.386 | 0.0171 | -1.106869573 | count | 1 |
| IGHG3 | -1.520553 | 0.8799274 | -1.728 | 0.0841 | -1.099203538 | count | 1 |
| CTSB | -0.7624065 | 0.057848 | -13.1795 | 2.25E-38 | -1.09743385 | count | 5.47E-34 |
| PRDM1 | -0.7936339 | 0.1417148 | -5.6002 | 2.38E-08 | -1.096795382 | count | 0.000570177 |
| ADAM9 | -0.802952 | 0.1409372 | -5.6972 | 1.36E-08 | -1.096142245 | count | 0.000326142 |
| MRO | -1.4323275 | 0.6305579 | -2.2715 | 0.0232 | -1.093626346 | count | 1 |
| METTL1 | -0.986038 | 0.4484316 | -2.1989 | 0.028 | -1.09181094 | count | 1 |
| CD3E | -2.3834704 | 1.7727651 | -1.3445 | 0.179 | -1.090826839 | count | 1 |
| SLC8B1 | -0.8712614 | 0.2481989 | -3.5103 | 0.000456 | -1.090700957 | count | 1 |
| CD82 | -0.8000382 | 0.2384843 | -3.3547 | 0.000807 | -1.078956806 | count | 1 |
| CRADD | -0.9059879 | 0.3111727 | -2.9115 | 0.00363 | -1.076074076 | count | 1 |
| NUFIP1 | -0.9668001 | 0.285575 | -3.3855 | 0.000722 | -1.072765504 | count | 1 |
| LINC01588 | -1.2819389 | 0.6826629 | -1.8779 | 0.0605 | -1.070494788 | count | 1 |
| MINPP1 | -1.3864067 | 0.5304488 | -2.6136 | 0.00901 | -1.06877437 | count | 1 |
| PIF1 | -1.1716922 | 0.9074694 | -1.2912 | 0.197 | -1.068056061 | count | 1 |
| ARHGAP22 | -0.9018207 | 0.2537268 | -3.5543 | 0.000386 | -1.062864235 | count | 1 |
| TUBA1C | -0.7432159 | 0.0847839 | -8.766 | 3.39E-18 | -1.060933339 | count | 8.21E-14 |
| LITAF | -0.7382417 | 0.0605779 | -12.1866 | 3.28E-33 | -1.057036261 | count | 7.97E-29 |
| SNAPC1 | -0.7554713 | 0.1624734 | -4.6498 | 3.50E-06 | -1.056443798 | count | 0.08316 |
| HIST1H1B | -17.360758 | 1493.521027 | -0.0116 | 0.991 | -1.051292783 | count | 1 |
| IL36RN | -17.196466 | 3241.051387 | -0.0053 | 0.996 | -1.051292775 | count | 1 |
| TMEM145 | -17.195329 | 2522.089442 | -0.0068 | 0.995 | -1.051292775 | count | 1 |
| GAL | -17.195259 | 2287.746891 | -0.0075 | 0.994 | -1.051292775 | count | 1 |
| AGAP2-AS1 | -17.193122 | 1491.470793 | -0.0115 | 0.991 | -1.051292775 | count | 1 |
| AC092484.1 | -16.7072473 | 1605.911652 | -0.0104 | 0.992 | -1.051292667 | count | 1 |
| OASL | -0.7854805 | 0.2787394 | -2.818 | 0.00487 | -1.049830024 | count | 1 |
| HES4 | -0.8245017 | 0.2617658 | -3.1498 | 0.00165 | -1.049686202 | count | 1 |
| HMGB3 | -0.8184147 | 0.2760004 | -2.9653 | 0.00305 | -1.047308874 | count | 1 |
| GPR183 | -0.7279719 | 0.0664538 | -10.9546 | 2.68E-27 | -1.045371818 | count | 6.51E-23 |
| COL6A1 | -1.3438851 | 0.8851295 | -1.5183 | 0.129 | -1.045150125 | count | 1 |
| SEPHS2 | -0.7555485 | 0.1299593 | -5.8137 | 6.90E-09 | -1.039810174 | count | 0.000165572 |
| RASGRP3 | -0.8959261 | 0.3199604 | -2.8001 | 0.00515 | -1.037230561 | count | 1 |
| MIR155HG | -0.9167366 | 0.339947 | -2.6967 | 0.00705 | -1.035969975 | count | 1 |
| UGCG | -0.759231 | 0.1337115 | -5.6781 | 1.52E-08 | -1.031095407 | count | 0.00036442 |
| LAT | -0.9760307 | 0.5481256 | -1.7807 | 0.0751 | -1.024642289 | count | 1 |
| WDR54 | -0.8707796 | 0.3878811 | -2.245 | 0.0249 | -1.020105213 | count | 1 |
| TMEM106C | -0.897037 | 0.4048071 | -2.216 | 0.0268 | -1.018783734 | count | 1 |
| FAM20C | -0.7509287 | 0.2793043 | -2.6886 | 0.00722 | -1.017505181 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|----------|----------|--------------|-------|-------------|
| FLVCR2 | -0.9317996 | 0.3188277 | -2.9226 | 0.0035 | -1.015011885 | count | 1 |
| DEFB1 | -1.476104 | 0.9734934 | -1.5163 | 0.13 | -1.012426722 | count | 1 |
| MSANTD3 | -0.9331419 | 0.3917041 | -2.3823 | 0.0173 | -1.007915707 | count | 1 |
| CSKMT | -0.9122844 | 0.4214025 | -2.1649 | 0.0305 | -1.00748972 | count | 1 |
| FBXW8 | -1.5804022 | 0.8256706 | -1.9141 | 0.0557 | -1.007059081 | count | 1 |
| IARS | -1.0764441 | 0.3931108 | -2.7383 | 0.00622 | -1.006189455 | count | 1 |
| P4HA2 | -0.8422133 | 0.4708833 | -1.7886 | 0.0738 | -1.00366855 | count | 1 |
| CREBL2 | -0.766205 | 0.1693224 | -4.5251 | 6.32E-06 | -1.002534844 | count | 0.14992936 |
| MAOA | -2.1366741 | 1.1261005 | -1.8974 | 0.0579 | -1.001517164 | count | 1 |
| DNASE2 | -0.7280688 | 0.132335 | -5.5017 | 4.15E-08 | -1.000565604 | count | 0.000993303 |
| CALR | -0.6939774 | 0.0573437 | -12.1021 | 8.69E-33 | -0.99438649 | count | 2.11E-28 |
| GAL3ST4 | -0.857906 | 0.3044136 | -2.8182 | 0.00487 | -0.994201948 | count | 1 |
| HES1 | -0.7625194 | 0.2231578 | -3.417 | 0.000644 | -0.994086425 | count | 1 |
| LIPA | -0.7020688 | 0.1150871 | -6.1003 | 1.23E-09 | -0.992166523 | count | 2.96E-05 |
| NAV1 | -0.8982149 | 0.4036689 | -2.2251 | 0.0262 | -0.989792101 | count | 1 |
| IBSP | -17.108824 | 2749.882549 | -0.0062 | 0.995 | -0.98769989 | count | 1 |
| PNCK | -16.821029 | 1254.276469 | -0.0134 | 0.989 | -0.987699872 | count | 1 |
| PRR22 | -16.746922 | 2789.731941 | -0.006 | 0.995 | -0.987699867 | count | 1 |
| PAQR5 | -16.745366 | 1214.810503 | -0.0138 | 0.989 | -0.987699867 | count | 1 |
| ST18 | -17.328618 | 1232.750567 | -0.0141 | 0.989 | -0.987699614 | count | 1 |
| SIGLEC10 | -0.8397394 | 0.1676396 | -5.0092 | 5.85E-07 | -0.986416455 | count | 0.01394406 |
| CD63 | -0.6821981 | 0.0422388 | -16.151 | 7.68E-56 | -0.982432332 | count | 1.87E-51 |
| GLUL | -0.6821164 | 0.0556985 | -12.2466 | 1.64E-33 | -0.980328255 | count | 3.98E-29 |
| CENPN | -1.0925444 | 0.5635552 | -1.9387 | 0.0527 | -0.978809989 | count | 1 |
| AC078883.3 | -1.571026 | 1.291903 | -1.2161 | 0.224 | -0.976090765 | count | 1 |
| PPP1R14B | -0.6823748 | 0.0811017 | -8.4138 | 6.65E-17 | -0.97406006 | count | 1.61E-12 |
| VASH1 | -0.931179 | 0.3131311 | -2.9738 | 0.00297 | -0.967718047 | count | 1 |
| VEGFB | -0.6818426 | 0.0983692 | -6.9315 | 5.31E-12 | -0.963225459 | count | 1.28E-07 |
| HENMT1 | -0.9903238 | 0.4646669 | -2.1313 | 0.0332 | -0.962158079 | count | 1 |
| ABHD12 | -0.7254523 | 0.1626618 | -4.4599 | 8.57E-06 | -0.960567732 | count | 0.20321184 |
| MARCO | -0.6708014 | 0.1369583 | -4.8979 | 1.03E-06 | -0.959242692 | count | 0.02453151 |
| OLFML2B | -0.7118996 | 0.1485857 | -4.7912 | 1.76E-06 | -0.956430246 | count | 0.04187568 |
| RRP1 | -0.7811031 | 0.293596 | -2.6605 | 0.00785 | -0.953108111 | count | 1 |
| TDP1 | -0.9522872 | 0.4928323 | -1.9323 | 0.0534 | -0.951031567 | count | 1 |
| CHML | -0.7237003 | 0.1901472 | -3.806 | 0.000145 | -0.950103537 | count | 1 |
| PEA15 | -0.677791 | 0.1062911 | -6.3767 | 2.15E-10 | -0.948769766 | count | 5.17E-06 |
| AC092069.1 | -0.7669189 | 0.345068 | -2.2225 | 0.0263 | -0.948690491 | count | 1 |
| MT1F | -0.6995657 | 0.2177797 | -3.2123 | 0.00133 | -0.948468383 | count | 1 |
| JCHAIN | -2.3349178 | 0.8247546 | -2.831 | 0.00468 | -0.947444302 | count | 1 |
| PLS3 | -1.8966855 | 1.3553792 | -1.3994 | 0.162 | -0.946653379 | count | 1 |
| TPM2 | -0.9622675 | 0.3906324 | -2.4634 | 0.0138 | -0.94597073 | count | 1 |
| GBE1 | -0.719499 | 0.2998691 | -2.3994 | 0.0165 | -0.945221763 | count | 1 |
| TNIP2 | -0.7198587 | 0.1797192 | -4.0055 | 6.37E-05 | -0.944262246 | count | 1 |
| CTNNAL1 | -1.124678 | 0.5884242 | -1.9113 | 0.0561 | -0.941573439 | count | 1 |
| MAPK6 | -0.7100265 | 0.2125619 | -3.3403 | 0.000849 | -0.939920146 | count | 1 |

| | | | | | | | |
|-----------|-------------|-------------|----------|----------|--------------|-------|-------------|
| SLC7A1 | -1.7178975 | 0.7083673 | -2.4252 | 0.0154 | -0.933583245 | count | 1 |
| LLGL2 | -1.841737 | 1.0024094 | -1.8373 | 0.0663 | -0.932515107 | count | 1 |
| PRKAR1B | -1.0025396 | 0.6159648 | -1.6276 | 0.104 | -0.930706545 | count | 1 |
| GPC4 | -1.09504 | 1.4510891 | -0.7546 | 0.451 | -0.921855122 | count | 1 |
| DNAJC5B | -17.492718 | 1394.467034 | -0.0125 | 0.99 | -0.921173529 | count | 1 |
| EPS8L1 | -17.3661787 | 1694.082308 | -0.0103 | 0.992 | -0.921173525 | count | 1 |
| USP2 | -17.0747218 | 1409.186883 | -0.0121 | 0.99 | -0.921173512 | count | 1 |
| LINC01091 | -17.015672 | 4751.378798 | -0.0036 | 0.997 | -0.921173237 | count | 1 |
| FAM72D | -17.015054 | 4300.805328 | -0.004 | 0.997 | -0.921173237 | count | 1 |
| TDO2 | -17.015054 | 4300.805328 | -0.004 | 0.997 | -0.921173237 | count | 1 |
| FBXO24 | -17.015054 | 4300.805328 | -0.004 | 0.997 | -0.921173237 | count | 1 |
| 2-Mar | -17.013721 | 3421.512797 | -0.005 | 0.996 | -0.921173237 | count | 1 |
| GZMM | -17.012352 | 2415.638058 | -0.007 | 0.994 | -0.921173237 | count | 1 |
| IL36B | -17.011761 | 2116.932588 | -0.008 | 0.994 | -0.921173237 | count | 1 |
| DCAF4L1 | -16.692191 | 2910.097897 | -0.0057 | 0.995 | -0.921173217 | count | 1 |
| FGF11 | -16.691382 | 1814.348904 | -0.0092 | 0.993 | -0.921173217 | count | 1 |
| CYP27A1 | -0.6513609 | 0.155761 | -4.1818 | 2.99E-05 | -0.914584189 | count | 0.7059091 |
| EEPD1 | -0.7805281 | 0.4503396 | -1.7332 | 0.0832 | -0.913057845 | count | 1 |
| GZMK | -1.9137845 | 1.1319267 | -1.6907 | 0.091 | -0.911027937 | count | 1 |
| LDHA | -0.6321425 | 0.0589773 | -10.7184 | 3.15E-26 | -0.908022085 | count | 7.64E-22 |
| ALDOC | -0.9013767 | 0.6082176 | -1.482 | 0.138 | -0.906585961 | count | 1 |
| IL32 | -1.894525 | 1.0167521 | -1.8633 | 0.0625 | -0.906470521 | count | 1 |
| TDP2 | -0.668494 | 0.2144538 | -3.1172 | 0.00185 | -0.905515775 | count | 1 |
| FAM162A | -0.6402098 | 0.125005 | -5.1215 | 3.27E-07 | -0.905463878 | count | 0.007803201 |
| CLN8 | -0.6750227 | 0.1676348 | -4.0267 | 5.83E-05 | -0.905290556 | count | 1 |
| NKAPL | -0.9145043 | 0.5795784 | -1.5779 | 0.115 | -0.905212682 | count | 1 |
| TTL5 | -1.0859505 | 0.5622679 | -1.9314 | 0.0536 | -0.902670497 | count | 1 |
| P4HA1 | -0.6389143 | 0.1272407 | -5.0213 | 5.50E-07 | -0.902658564 | count | 0.0131109 |
| ABCC3 | -0.7023401 | 0.2441787 | -2.8763 | 0.00406 | -0.901452102 | count | 1 |
| ORC6 | -1.3333106 | 0.7949283 | -1.6773 | 0.0936 | -0.900226344 | count | 1 |
| ST20 | -0.715495 | 0.3101569 | -2.3069 | 0.0211 | -0.899512196 | count | 1 |
| SLC38A6 | -0.695143 | 0.2509839 | -2.7697 | 0.00565 | -0.89902377 | count | 1 |
| PPFIBP1 | -0.8792907 | 0.5279552 | -1.6655 | 0.0959 | -0.892937663 | count | 1 |
| NDUFA4L2 | -2.0114793 | 1.8600398 | -1.0814 | 0.28 | -0.889817855 | count | 1 |
| OPTN | -0.8890425 | 0.3996764 | -2.2244 | 0.0262 | -0.889539684 | count | 1 |
| FMNL2 | -0.6759146 | 0.1919293 | -3.5217 | 0.000437 | -0.885967489 | count | 1 |
| MT2A | -0.6156809 | 0.1653644 | -3.7232 | 0.000201 | -0.88532863 | count | 1 |
| CYTOR | -0.6529833 | 0.1594052 | -4.0964 | 4.33E-05 | -0.884282273 | count | 1 |
| OCIAD2 | -1.2990428 | 0.7049343 | -1.8428 | 0.0655 | -0.88399151 | count | 1 |
| CERCAM | -1.982496 | 1.0441818 | -1.8986 | 0.0577 | -0.883839208 | count | 1 |
| 10-Sep | -0.7032523 | 0.2682962 | -2.6212 | 0.00882 | -0.879886708 | count | 1 |
| LBX2 | -1.398592 | 1.563832 | -0.8943 | 0.371 | -0.879629998 | count | 1 |
| CD72 | -0.6757502 | 0.1629762 | -4.1463 | 3.49E-05 | -0.878707416 | count | 0.8233608 |
| MSR1 | -0.6146248 | 0.0810235 | -7.5858 | 4.66E-14 | -0.878292802 | count | 1.13E-09 |
| C17orf58 | -0.7639812 | 0.3869494 | -1.9744 | 0.0485 | -0.871095204 | count | 1 |

| | | | | | | | |
|------------|-------------|-------------|----------|----------|--------------|-------|-------------|
| SPATS2 | -0.8375774 | 0.4017226 | -2.085 | 0.0372 | -0.87103028 | count | 1 |
| RGCC | -0.6042106 | 0.1044659 | -5.7838 | 8.23E-09 | -0.869426882 | count | 0.000197446 |
| FNIP2 | -0.6381362 | 0.1507838 | -4.2321 | 2.40E-05 | -0.86589631 | count | 0.567048 |
| PRDX4 | -0.6143705 | 0.1107712 | -5.5463 | 3.23E-08 | -0.864004963 | count | 0.000773488 |
| CTPS1 | -1.1780454 | 0.6245041 | -1.8864 | 0.0594 | -0.863156513 | count | 1 |
| RAB11B-AS1 | -0.9144319 | 0.5412507 | -1.6895 | 0.0913 | -0.860848677 | count | 1 |
| TMEM52B | -0.8498302 | 0.4859456 | -1.7488 | 0.0804 | -0.860748386 | count | 1 |
| BNIP3 | -0.6271825 | 0.2012563 | -3.1163 | 0.00185 | -0.860502907 | count | 1 |
| ARID5B | -0.6213069 | 0.1524735 | -4.0749 | 4.75E-05 | -0.858144986 | count | 1 |
| RHOH | -0.8904691 | 0.3509773 | -2.5371 | 0.0112 | -0.856745304 | count | 1 |
| SH2B2 | -0.8202569 | 0.3740098 | -2.1931 | 0.0284 | -0.85487714 | count | 1 |
| ALCAM | -0.6238069 | 0.1544337 | -4.0393 | 5.53E-05 | -0.854230481 | count | 1 |
| NEK2 | -16.909627 | 4506.010222 | -0.0038 | 0.997 | -0.851430906 | count | 1 |
| ADGRF5 | -16.909627 | 4506.010222 | -0.0038 | 0.997 | -0.851430906 | count | 1 |
| GSEC | -16.905309 | 1931.085166 | -0.0088 | 0.993 | -0.851430906 | count | 1 |
| ADAMTS2 | -16.904738 | 1651.751937 | -0.0102 | 0.992 | -0.851430906 | count | 1 |
| ZP1 | -16.904738 | 1651.751937 | -0.0102 | 0.992 | -0.851430906 | count | 1 |
| ICOS | -17.2911557 | 3767.668758 | -0.0046 | 0.996 | -0.851430858 | count | 1 |
| AC011611.4 | -17.2891264 | 1847.525059 | -0.0094 | 0.993 | -0.851430858 | count | 1 |
| SCG5 | -17.2888624 | 1695.56179 | -0.0102 | 0.992 | -0.851430858 | count | 1 |
| LMNTD2 | -16.8761149 | 1171.4986 | -0.0144 | 0.989 | -0.85143084 | count | 1 |
| AL162231.1 | -16.828495 | 1087.146117 | -0.0155 | 0.988 | -0.851430837 | count | 1 |
| POLR3H | -0.7350984 | 0.3900315 | -1.8847 | 0.0596 | -0.850187969 | count | 1 |
| PPIF | -0.5990136 | 0.10597 | -5.6527 | 1.76E-08 | -0.850176193 | count | 0.000421837 |
| PRADC1 | -0.7122934 | 0.2779828 | -2.5624 | 0.0105 | -0.849214685 | count | 1 |
| KCNJ15 | -0.9447545 | 0.610809 | -1.5467 | 0.122 | -0.848655668 | count | 1 |
| DTYMK | -0.6586963 | 0.2474689 | -2.6617 | 0.00782 | -0.848558085 | count | 1 |
| NECTIN2 | -0.6214845 | 0.1370294 | -4.5354 | 6.03E-06 | -0.84711271 | count | 0.1430919 |
| PLPP5 | -0.6599637 | 0.2394906 | -2.7557 | 0.0059 | -0.846886723 | count | 1 |
| INSIG1 | -0.5899997 | 0.0873875 | -6.7515 | 1.82E-11 | -0.84520078 | count | 4.39E-07 |
| AQP9 | -0.6081214 | 0.1633183 | -3.7235 | 0.000201 | -0.844792151 | count | 1 |
| CNBD2 | -0.7341382 | 0.3313341 | -2.2157 | 0.0268 | -0.844401971 | count | 1 |
| GNG10 | -0.8939687 | 0.4100882 | -2.1799 | 0.0294 | -0.844257802 | count | 1 |
| LMNB2 | -0.8720196 | 0.3842225 | -2.2696 | 0.0233 | -0.841300471 | count | 1 |
| FTL | -0.5814662 | 0.0431243 | -13.4835 | 5.03E-40 | -0.838823466 | count | 1.22E-35 |
| MARCKSL1 | -0.605079 | 0.1614675 | -3.7474 | 0.000183 | -0.837502525 | count | 1 |
| GZF1 | -0.6055055 | 0.1397564 | -4.3326 | 1.53E-05 | -0.831040084 | count | 0.3620898 |
| CAPG | -0.5768877 | 0.0666353 | -8.6574 | 8.59E-18 | -0.826337437 | count | 2.08E-13 |
| YDJC | -0.6373755 | 0.2282227 | -2.7928 | 0.00527 | -0.823131944 | count | 1 |
| LGALS1 | -0.5701068 | 0.052703 | -10.8173 | 1.13E-26 | -0.821237549 | count | 2.74E-22 |
| HS3ST2 | -2.1587871 | 0.9984418 | -2.1622 | 0.0307 | -0.820807348 | count | 1 |
| CYB5A | -0.6093722 | 0.1843652 | -3.3052 | 0.000963 | -0.819432731 | count | 1 |
| BOLA2B | -0.870434 | 0.7740215 | -1.1246 | 0.261 | -0.817113279 | count | 1 |
| IL1RN | -0.5685577 | 0.1296798 | -4.3843 | 1.21E-05 | -0.816518018 | count | 0.2865764 |
| TAF4 | -1.564324 | 0.6759484 | -2.3143 | 0.0207 | -0.816465427 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|----------|--------------|-------|-------------|
| ADAM28 | -0.6359048 | 0.161112 | -3.947 | 8.14E-05 | -0.815693806 | count | 1 |
| SLC36A1 | -0.9001864 | 0.5121538 | -1.7576 | 0.0789 | -0.814646138 | count | 1 |
| ANKRD9 | -0.6373996 | 0.2290774 | -2.7825 | 0.00544 | -0.814140297 | count | 1 |
| TLCD2 | -0.9877337 | 0.5923557 | -1.6675 | 0.0955 | -0.810879488 | count | 1 |
| SIPA1L2 | -0.674097 | 0.2301044 | -2.9295 | 0.00343 | -0.809273123 | count | 1 |
| STX6 | -0.5930187 | 0.1429822 | -4.1475 | 3.48E-05 | -0.809186336 | count | 0.8210364 |
| EFEMP1 | -2.0654245 | 1.4277557 | -1.4466 | 0.148 | -0.805642242 | count | 1 |
| BAG3 | -0.7160736 | 0.2509105 | -2.8539 | 0.00435 | -0.804236076 | count | 1 |
| FRRS1 | -1.2278794 | 0.8332108 | -1.4737 | 0.141 | -0.80409333 | count | 1 |
| MRAS | -0.6364726 | 0.2661477 | -2.3914 | 0.0169 | -0.802978856 | count | 1 |
| PTGR1 | -0.6573467 | 0.2727397 | -2.4102 | 0.016 | -0.802785653 | count | 1 |
| PDLIM4 | -1.2712345 | 1.0538849 | -1.2062 | 0.228 | -0.799048614 | count | 1 |
| UCHL3 | -0.574048 | 0.1427755 | -4.0206 | 5.98E-05 | -0.798433185 | count | 1 |
| ANG | -0.6010214 | 0.2075361 | -2.896 | 0.00381 | -0.798183396 | count | 1 |
| IL18BP | -0.625454 | 0.3038813 | -2.0582 | 0.0397 | -0.797265573 | count | 1 |
| METTL7B | -0.7419624 | 0.4696128 | -1.5799 | 0.114 | -0.797198111 | count | 1 |
| ZNF891 | -1.1639104 | 0.5114828 | -2.2756 | 0.023 | -0.795563048 | count | 1 |
| UBE2C | -1.0062483 | 1.3778068 | -0.7303 | 0.465 | -0.795100418 | count | 1 |
| CFAP36 | -0.635123 | 0.2539237 | -2.5012 | 0.0124 | -0.791266918 | count | 1 |
| TMEM163 | -0.9966806 | 0.4148404 | -2.4026 | 0.0164 | -0.78902676 | count | 1 |
| PPP1R3E | -1.1959692 | 0.5636003 | -2.122 | 0.0339 | -0.789024873 | count | 1 |
| SCYL3 | -1.7507142 | 0.8311042 | -2.1065 | 0.0353 | -0.788795988 | count | 1 |
| ZNF569 | -1.24758 | 0.7788465 | -1.6018 | 0.109 | -0.788621768 | count | 1 |
| MTHFS | -0.6017667 | 0.2317597 | -2.5965 | 0.00947 | -0.788233091 | count | 1 |
| IL18 | -0.5634047 | 0.1010707 | -5.5744 | 2.76E-08 | -0.78799154 | count | 0.00066113 |
| AL133453.1 | -0.5865009 | 0.2181096 | -2.689 | 0.00721 | -0.787582131 | count | 1 |
| PLPP1 | -1.3767632 | 1.0905041 | -1.2625 | 0.207 | -0.785692259 | count | 1 |
| LINC00243 | -1.5790931 | 0.6820733 | -2.3151 | 0.0207 | -0.784203893 | count | 1 |
| FCGR3A | -0.5448835 | 0.0734827 | -7.4151 | 1.66E-13 | -0.781882964 | count | 4.01E-09 |
| MAFF | -0.5800269 | 0.1223127 | -4.7422 | 2.24E-06 | -0.781772292 | count | 0.05326944 |
| PPA1 | -0.5586182 | 0.0990161 | -5.6417 | 1.88E-08 | -0.780698043 | count | 0.000450523 |
| C1orf122 | -0.5606558 | 0.1363798 | -4.111 | 4.07E-05 | -0.780343078 | count | 0.9595839 |
| IER3 | -0.5418647 | 0.0640043 | -8.4661 | 4.30E-17 | -0.779611884 | count | 1.04E-12 |
| 2-Mar | -0.5577679 | 0.1008824 | -5.5289 | 3.56E-08 | -0.778683194 | count | 0.0008523 |
| SLX4 | -1.1733248 | 0.6701478 | -1.7508 | 0.0801 | -0.778146951 | count | 1 |
| ZNF503-AS2 | -16.954676 | 1156.125636 | -0.0147 | 0.988 | -0.778144731 | count | 1 |
| ZKSCAN7 | -16.790939 | 4246.386754 | -0.004 | 0.997 | -0.778144723 | count | 1 |
| AP001330.1 | -16.790939 | 4246.386754 | -0.004 | 0.997 | -0.778144723 | count | 1 |
| REM2 | -16.790939 | 4246.386754 | -0.004 | 0.997 | -0.778144723 | count | 1 |
| ALG1L2 | -16.790144 | 3751.349153 | -0.0045 | 0.996 | -0.778144723 | count | 1 |
| CLEC19A | -16.790144 | 3751.349153 | -0.0045 | 0.996 | -0.778144723 | count | 1 |
| AC079313.2 | -16.789454 | 3091.540504 | -0.0054 | 0.996 | -0.778144723 | count | 1 |
| SNX22 | -16.78749 | 2116.689374 | -0.0079 | 0.994 | -0.778144723 | count | 1 |
| DAGLA | -16.787081 | 1979.06912 | -0.0085 | 0.993 | -0.778144723 | count | 1 |
| C4orf47 | -16.786897 | 1831.466658 | -0.0092 | 0.993 | -0.778144723 | count | 1 |

| | | | | | | | |
|------------|-------------|-------------|----------|----------|--------------|-------|-------------|
| MAFIP | -17.2058232 | 2553.016865 | -0.0067 | 0.995 | -0.77814462 | count | 1 |
| CD3D | -17.1192645 | 2034.660897 | -0.0084 | 0.993 | -0.778144617 | count | 1 |
| GOLGA8R | -17.119202 | 2216.819178 | -0.0077 | 0.994 | -0.778144617 | count | 1 |
| AP001453.4 | -16.5698146 | 1348.022162 | -0.0123 | 0.99 | -0.778144589 | count | 1 |
| C6orf223 | -16.5694229 | 1146.925907 | -0.0144 | 0.988 | -0.778144589 | count | 1 |
| GPRIN3 | -0.5711379 | 0.175157 | -3.2607 | 0.00113 | -0.777962504 | count | 1 |
| BEX3 | -0.6005175 | 0.2567892 | -2.3386 | 0.0194 | -0.777416325 | count | 1 |
| ABLIM3 | -1.2807803 | 1.1312524 | -1.1322 | 0.258 | -0.776677574 | count | 1 |
| TMEM70 | -0.5498421 | 0.0966033 | -5.6918 | 1.41E-08 | -0.776311851 | count | 0.00033809 |
| HEY1 | -1.1176338 | 1.0011033 | -1.1164 | 0.264 | -0.77191509 | count | 1 |
| IFI6 | -0.5405041 | 0.0971573 | -5.5632 | 2.94E-08 | -0.771149056 | count | 0.00070413 |
| NOP16 | -0.6098367 | 0.2511024 | -2.4286 | 0.0152 | -0.769714836 | count | 1 |
| MIF | -0.5380335 | 0.0823196 | -6.5359 | 7.66E-11 | -0.768379032 | count | 1.85E-06 |
| ATP6V1F | -0.5333918 | 0.0522432 | -10.2098 | 5.38E-24 | -0.766044595 | count | 1.30E-19 |
| S100B | -0.671624 | 0.5828744 | -1.1523 | 0.249 | -0.765262438 | count | 1 |
| TARBP2 | -0.8356767 | 0.4225318 | -1.9778 | 0.0481 | -0.764260068 | count | 1 |
| ENG | -0.5547204 | 0.1398012 | -3.9679 | 7.46E-05 | -0.764156748 | count | 1 |
| RAB7B | -0.6116965 | 0.2903008 | -2.1071 | 0.0352 | -0.763165571 | count | 1 |
| AC147651.4 | -0.6261252 | 0.234145 | -2.6741 | 0.00754 | -0.762532438 | count | 1 |
| DHRS3 | -0.5689931 | 0.1968275 | -2.8908 | 0.00388 | -0.762054052 | count | 1 |
| AL035413.1 | -1.1387788 | 0.6390961 | -1.7819 | 0.0749 | -0.761254067 | count | 1 |
| MMP2 | -0.9747515 | 0.7260916 | -1.3425 | 0.18 | -0.760440992 | count | 1 |
| SMIM12 | -0.5554898 | 0.1398392 | -3.9723 | 7.32E-05 | -0.760384546 | count | 1 |
| PRSS21 | -0.6753983 | 0.5960038 | -1.1332 | 0.257 | -0.758885514 | count | 1 |
| HIF1A | -0.5313767 | 0.071445 | -7.4376 | 1.41E-13 | -0.75833956 | count | 3.41E-09 |
| CCR5 | -0.6597282 | 0.3122934 | -2.1125 | 0.0347 | -0.757245311 | count | 1 |
| ITGA6 | -0.7801364 | 0.4000682 | -1.95 | 0.0513 | -0.756245722 | count | 1 |
| CLEC5A | -0.5459785 | 0.1874684 | -2.9124 | 0.00362 | -0.755421007 | count | 1 |
| PAICS | -0.5904274 | 0.2274824 | -2.5955 | 0.0095 | -0.755301791 | count | 1 |
| EXOC6B | -0.888939 | 0.4733759 | -1.8779 | 0.0605 | -0.754885799 | count | 1 |
| AC016831.1 | -0.6402461 | 0.2170285 | -2.9501 | 0.00321 | -0.75421615 | count | 1 |
| GPR137B | -0.5625537 | 0.1435228 | -3.9196 | 9.11E-05 | -0.754080388 | count | 1 |
| PAM | -0.7625925 | 0.4462909 | -1.7087 | 0.0876 | -0.753592227 | count | 1 |
| ME2 | -0.5429005 | 0.13648 | -3.9779 | 7.15E-05 | -0.751752952 | count | 1 |
| TMEM251 | -0.5453904 | 0.1592833 | -3.424 | 0.000627 | -0.750450519 | count | 1 |
| PRDX1 | -0.5222921 | 0.0544067 | -9.5998 | 1.90E-21 | -0.749748576 | count | 4.61E-17 |
| ENOSF1 | -0.5908144 | 0.2322922 | -2.5434 | 0.011 | -0.74953606 | count | 1 |
| MGAT4A | -0.5369143 | 0.1041207 | -5.1567 | 2.71E-07 | -0.749045674 | count | 0.00646877 |
| RAB33A | -0.805897 | 0.4734591 | -1.7021 | 0.0889 | -0.748679551 | count | 1 |
| FAM107B | -0.5267496 | 0.0939844 | -5.6047 | 2.32E-08 | -0.748642981 | count | 0.000555872 |
| ACOT11 | -0.9330762 | 0.7387347 | -1.2631 | 0.207 | -0.747884669 | count | 1 |
| CCDC167 | -0.5595676 | 0.2686964 | -2.0825 | 0.0374 | -0.747328869 | count | 1 |
| TSC22D1 | -0.5555 | 0.226795 | -2.4493 | 0.0144 | -0.747112257 | count | 1 |
| SH3PXD2B | -1.0685241 | 0.3892566 | -2.745 | 0.00609 | -0.746094068 | count | 1 |
| TYMS | -1.0028624 | 0.8114133 | -1.2359 | 0.217 | -0.745846426 | count | 1 |

| | | | | | | | |
|-----------|------------|-----------|---------|----------|--------------|-------|-------------|
| PTTG1 | -0.598691 | 0.2998352 | -1.9967 | 0.046 | -0.745636188 | count | 1 |
| POLR3E | -0.928618 | 0.4011841 | -2.3147 | 0.0207 | -0.744951043 | count | 1 |
| ZDHHC12 | -0.5497688 | 0.1592425 | -3.4524 | 0.000565 | -0.744517388 | count | 1 |
| COBLL1 | -1.5752109 | 1.4781325 | -1.0657 | 0.287 | -0.744270221 | count | 1 |
| TPI1 | -0.5166967 | 0.0524912 | -9.8435 | 1.89E-22 | -0.743510603 | count | 4.58E-18 |
| PGK1 | -0.5170106 | 0.055292 | -9.3506 | 1.90E-20 | -0.743163502 | count | 4.60E-16 |
| MGST3 | -0.5180444 | 0.0582334 | -8.896 | 1.10E-18 | -0.742802412 | count | 2.66E-14 |
| PKD1 | -1.0974918 | 0.5138536 | -2.1358 | 0.0328 | -0.740589923 | count | 1 |
| LILRB4 | -0.5200094 | 0.0863071 | -6.0251 | 1.94E-09 | -0.740159075 | count | 4.66E-05 |
| LINC00513 | -1.1389843 | 0.4539716 | -2.5089 | 0.0122 | -0.738660073 | count | 1 |
| PTPN1 | -0.5289645 | 0.1022144 | -5.1751 | 2.46E-07 | -0.738487431 | count | 0.005873004 |
| HMGA1 | -0.5260502 | 0.108598 | -4.844 | 1.35E-06 | -0.737829426 | count | 0.03213945 |
| RALGDS | -0.5891025 | 0.2290728 | -2.5717 | 0.0102 | -0.735969963 | count | 1 |
| RBM4B | -0.9575417 | 0.4691662 | -2.0409 | 0.0414 | -0.734590406 | count | 1 |
| RABEPK | -0.6688658 | 0.3301983 | -2.0256 | 0.0429 | -0.73446658 | count | 1 |
| FRMD4A | -0.6460712 | 0.2685601 | -2.4057 | 0.0162 | -0.733072438 | count | 1 |
| VOPP1 | -0.5854443 | 0.1413312 | -4.1424 | 3.55E-05 | -0.731558248 | count | 0.837445 |
| HLA-DQB2 | -0.7181035 | 0.2991901 | -2.4002 | 0.0165 | -0.730044236 | count | 1 |
| NACA2 | -1.522714 | 0.9343986 | -1.6296 | 0.103 | -0.729718532 | count | 1 |
| TPRG1 | -1.1183671 | 0.8952443 | -1.2492 | 0.212 | -0.728781274 | count | 1 |
| SOGA1 | -0.7162529 | 0.347977 | -2.0583 | 0.0397 | -0.72833742 | count | 1 |
| LPCAT3 | -0.6481513 | 0.2847188 | -2.2765 | 0.0229 | -0.727562804 | count | 1 |
| CISD2 | -0.5177693 | 0.1024477 | -5.054 | 4.65E-07 | -0.725444178 | count | 0.011088855 |
| ADAL | -0.9425533 | 0.4393679 | -2.1452 | 0.032 | -0.725279745 | count | 1 |
| CBR3 | -1.3771007 | 0.6591434 | -2.0892 | 0.0368 | -0.721293283 | count | 1 |
| CEP128 | -1.0220196 | 0.4668759 | -2.1891 | 0.0287 | -0.720949331 | count | 1 |
| F3 | -1.376013 | 0.8767621 | -1.5694 | 0.117 | -0.720928469 | count | 1 |
| COL6A2 | -0.9354631 | 0.5871464 | -1.5932 | 0.111 | -0.72084994 | count | 1 |
| VAC14 | -0.5936017 | 0.3096211 | -1.9172 | 0.0553 | -0.719523087 | count | 1 |
| BATF | -0.5871347 | 0.2435359 | -2.4109 | 0.016 | -0.719301037 | count | 1 |
| ENO1 | -0.5005018 | 0.0578674 | -8.6491 | 9.22E-18 | -0.719223884 | count | 2.23E-13 |
| FAM210A | -0.554516 | 0.1752133 | -3.1648 | 0.00157 | -0.716819506 | count | 1 |
| FPGS | -0.6176446 | 0.3570094 | -1.7301 | 0.0837 | -0.715774827 | count | 1 |
| STPG1 | -1.8355219 | 1.1376912 | -1.6134 | 0.107 | -0.714622903 | count | 1 |
| SLC26A6 | -0.7638242 | 0.5500241 | -1.3887 | 0.165 | -0.714227867 | count | 1 |
| TMEM51 | -0.5571281 | 0.2524824 | -2.2066 | 0.0274 | -0.713274941 | count | 1 |
| LY6G5C | -0.7813129 | 0.9452029 | -0.8266 | 0.409 | -0.712555686 | count | 1 |
| ASB1 | -0.6632707 | 0.4522083 | -1.4667 | 0.143 | -0.711897883 | count | 1 |
| SPAG4 | -0.640476 | 0.4821308 | -1.3284 | 0.184 | -0.711249616 | count | 1 |
| ZNF184 | -1.4573118 | 0.6158253 | -2.3664 | 0.018 | -0.710752095 | count | 1 |
| NEU3 | -0.7507992 | 0.4532136 | -1.6566 | 0.0977 | -0.710699745 | count | 1 |
| POLR2H | -0.5444545 | 0.1842945 | -2.9543 | 0.00316 | -0.709852538 | count | 1 |
| FERMT2 | -0.8569657 | 0.527755 | -1.6238 | 0.105 | -0.70910402 | count | 1 |
| ACOT13 | -0.5163823 | 0.1693156 | -3.0498 | 0.00231 | -0.70838181 | count | 1 |
| IGLC3 | -0.5474263 | 0.3675457 | -1.4894 | 0.137 | -0.707883984 | count | 1 |

| | | | | | | | |
|------------|-------------|-------------|---------|----------|--------------|-------|-------------|
| UBL3 | -0.5397914 | 0.1402167 | -3.8497 | 0.000121 | -0.707659301 | count | 1 |
| HNRNPA1P48 | -0.8540344 | 0.5010629 | -1.7044 | 0.0884 | -0.707060169 | count | 1 |
| CBLB | -0.6769899 | 0.4540913 | -1.4909 | 0.136 | -0.705498612 | count | 1 |
| ADA | -0.6546537 | 0.3098421 | -2.1129 | 0.0347 | -0.703326746 | count | 1 |
| DOK5 | -1.7739079 | 0.9764354 | -1.8167 | 0.0694 | -0.702639133 | count | 1 |
| RHEB | -0.4952776 | 0.0768983 | -6.4407 | 1.43E-10 | -0.702309077 | count | 3.44E-06 |
| EIF4A3 | -0.4943544 | 0.0912621 | -5.4169 | 6.66E-08 | -0.701120467 | count | 0.001592939 |
| PNMA1 | -0.6817547 | 0.4397788 | -1.5502 | 0.121 | -0.7010576 | count | 1 |
| NAP1L5 | -17.5423813 | 2192.864501 | -0.008 | 0.994 | -0.700935462 | count | 1 |
| RASGEF1A | -17.5021155 | 1895.863086 | -0.0092 | 0.993 | -0.700935461 | count | 1 |
| P2RY10 | -17.4610944 | 1593.518801 | -0.011 | 0.991 | -0.70093546 | count | 1 |
| PPY | -17.1130677 | 2066.428562 | -0.0083 | 0.993 | -0.700935451 | count | 1 |
| ZCWPW2 | -17.1128026 | 1891.210087 | -0.009 | 0.993 | -0.700935451 | count | 1 |
| PCAT6 | -17.1125277 | 1698.105733 | -0.0101 | 0.992 | -0.700935451 | count | 1 |
| CIB2 | -17.1116666 | 1273.686734 | -0.0134 | 0.989 | -0.700935451 | count | 1 |
| AC007014.1 | -16.5036533 | 2715.300031 | -0.0061 | 0.995 | -0.700935423 | count | 1 |
| TJP1 | -16.5034247 | 2375.585446 | -0.0069 | 0.994 | -0.700935423 | count | 1 |
| ZNF284 | -16.5025798 | 1478.524195 | -0.0112 | 0.991 | -0.700935423 | count | 1 |
| LINC02245 | -16.656299 | 3969.928468 | -0.0042 | 0.997 | -0.700935209 | count | 1 |
| ITGA11 | -16.656299 | 3969.928468 | -0.0042 | 0.997 | -0.700935209 | count | 1 |
| BRICD5 | -16.653784 | 2467.224088 | -0.0068 | 0.995 | -0.700935209 | count | 1 |
| OSCP1 | -16.653036 | 2038.963135 | -0.0082 | 0.993 | -0.700935209 | count | 1 |
| PROC | -16.652841 | 1874.813839 | -0.0089 | 0.993 | -0.700935209 | count | 1 |
| S100A16 | -16.652394 | 1694.701228 | -0.0098 | 0.992 | -0.700935209 | count | 1 |
| BIRC7 | -16.652394 | 1694.701228 | -0.0098 | 0.992 | -0.700935209 | count | 1 |
| FZD3 | -16.651939 | 1493.20175 | -0.0112 | 0.991 | -0.700935209 | count | 1 |
| MLEC | -0.4972781 | 0.0908296 | -5.4748 | 4.82E-08 | -0.700539956 | count | 0.001153474 |
| FKTN | -1.7608398 | 0.9511118 | -1.8513 | 0.0642 | -0.700017489 | count | 1 |
| AC058791.1 | -0.5350142 | 0.1644493 | -3.2534 | 0.00116 | -0.699929504 | count | 1 |
| TMEM217 | -1.5588136 | 1.2047958 | -1.2938 | 0.196 | -0.698996854 | count | 1 |
| AC139530.1 | -0.7860688 | 0.5434843 | -1.4464 | 0.148 | -0.698814027 | count | 1 |
| ST6GALNAC4 | -0.6213544 | 0.2839936 | -2.1879 | 0.0288 | -0.696714298 | count | 1 |
| INTS5 | -0.8538985 | 0.5517602 | -1.5476 | 0.122 | -0.694813005 | count | 1 |
| AKR1B1 | -0.4988616 | 0.0962735 | -5.1817 | 2.38E-07 | -0.694514941 | count | 0.005682964 |
| ETFBKMT | -1.4009796 | 0.8481895 | -1.6517 | 0.0987 | -0.69364884 | count | 1 |
| ZNF331 | -0.4818434 | 0.0676672 | -7.1208 | 1.40E-12 | -0.691884942 | count | 3.38E-08 |
| PKIB | -0.5219057 | 0.2138583 | -2.4404 | 0.0147 | -0.691538861 | count | 1 |
| CXorf40B | -0.5904623 | 0.3050454 | -1.9357 | 0.053 | -0.691459351 | count | 1 |
| MACC1 | -1.2092756 | 0.5418111 | -2.2319 | 0.0257 | -0.691345951 | count | 1 |
| MT-ND6 | -0.5419031 | 0.2121813 | -2.554 | 0.0107 | -0.691216971 | count | 1 |
| KYAT3 | -0.5902271 | 0.3010834 | -1.9603 | 0.0501 | -0.689377362 | count | 1 |
| HAUS2 | -0.5592766 | 0.2301981 | -2.4295 | 0.0152 | -0.687505872 | count | 1 |
| IFI27L1 | -0.6578852 | 0.343633 | -1.9145 | 0.0557 | -0.687171952 | count | 1 |
| DNAJC9 | -0.5801618 | 0.3232938 | -1.7945 | 0.0729 | -0.686724192 | count | 1 |
| TPM4 | -0.4789789 | 0.0580251 | -8.2547 | 2.46E-16 | -0.686136469 | count | 5.95E-12 |

| | | | | | | | |
|-----------|------------|-----------|---------|----------|--------------|-------|-----------|
| P4HB | -0.4816277 | 0.0772123 | -6.2377 | 5.21E-10 | -0.685867336 | count | 1.25E-05 |
| ACAA2 | -0.491198 | 0.1118825 | -4.3903 | 1.18E-05 | -0.685343368 | count | 0.2795184 |
| SBF2-AS1 | -0.6849748 | 0.507157 | -1.3506 | 0.177 | -0.684082826 | count | 1 |
| ATOX1 | -0.4822369 | 0.0807611 | -5.9712 | 2.70E-09 | -0.683983795 | count | 6.48E-05 |
| SLAMF7 | -1.368365 | 0.4359724 | -3.1387 | 0.00172 | -0.683413697 | count | 1 |
| GALE | -0.5700942 | 0.3325829 | -1.7141 | 0.0866 | -0.682850518 | count | 1 |
| PXMP2 | -1.1870698 | 0.6379093 | -1.8609 | 0.0629 | -0.68243732 | count | 1 |
| LIMS1 | -0.4778964 | 0.0697172 | -6.8548 | 9.00E-12 | -0.682352791 | count | 2.17E-07 |
| EML4 | -0.4849079 | 0.1302341 | -3.7234 | 0.000201 | -0.682317772 | count | 1 |
| S100A13 | -0.5088309 | 0.2311071 | -2.2017 | 0.0278 | -0.681858849 | count | 1 |
| CYR61 | -1.1191381 | 1.4085963 | -0.7945 | 0.427 | -0.680696982 | count | 1 |
| HLA-DOB | -0.9805096 | 0.6831482 | -1.4353 | 0.151 | -0.679199346 | count | 1 |
| HDAC11 | -0.8912129 | 0.9253723 | -0.9631 | 0.336 | -0.678188048 | count | 1 |
| FAH | -0.5122812 | 0.2499353 | -2.0497 | 0.0405 | -0.677156819 | count | 1 |
| INAFM2 | -0.5538229 | 0.2005088 | -2.7621 | 0.00579 | -0.676664839 | count | 1 |
| FAM104A | -0.5313421 | 0.2088617 | -2.544 | 0.011 | -0.676193629 | count | 1 |
| ABCB8 | -0.6704661 | 0.3922701 | -1.7092 | 0.0875 | -0.676025937 | count | 1 |
| CDKN3 | -0.744469 | 0.6413332 | -1.1608 | 0.246 | -0.674833735 | count | 1 |
| SLC41A1 | -1.8997868 | 1.2003429 | -1.5827 | 0.114 | -0.674461196 | count | 1 |
| CRNDE | -0.909889 | 0.5782433 | -1.5735 | 0.116 | -0.674068672 | count | 1 |
| TNFAIP8L1 | -0.6483641 | 0.3975452 | -1.6309 | 0.103 | -0.673815376 | count | 1 |
| FNDC10 | -0.6990059 | 0.4588933 | -1.5232 | 0.128 | -0.673224813 | count | 1 |
| PPP1R14A | -1.3354382 | 0.6582044 | -2.0289 | 0.0426 | -0.672828651 | count | 1 |
| SLC2A1 | -1.4562367 | 1.0627362 | -1.3703 | 0.171 | -0.671587799 | count | 1 |
| SLC28A3 | -1.4562367 | 1.949165 | -0.7471 | 0.455 | -0.671587799 | count | 1 |
| SMAD7 | -1.1582586 | 0.5586101 | -2.0735 | 0.0382 | -0.670679006 | count | 1 |
| DZIP1L | -1.1537647 | 0.7535038 | -1.5312 | 0.126 | -0.668824553 | count | 1 |
| SERPINF2 | -0.8316763 | 0.611821 | -1.3593 | 0.174 | -0.667149911 | count | 1 |
| COG7 | -1.148459 | 0.4641777 | -2.4742 | 0.0134 | -0.666627769 | count | 1 |
| SMIM3 | -0.4860564 | 0.1467113 | -3.313 | 0.000936 | -0.666040506 | count | 1 |
| BYSL | -0.795241 | 0.6127304 | -1.2979 | 0.194 | -0.665473263 | count | 1 |
| PTRH1 | -0.5413781 | 0.2372213 | -2.2822 | 0.0226 | -0.665232517 | count | 1 |
| ACTN1 | -0.483563 | 0.1460087 | -3.3119 | 0.00094 | -0.665009934 | count | 1 |
| PTCRA | -1.2154404 | 0.8384891 | -1.4496 | 0.147 | -0.663836796 | count | 1 |
| PIGW | -1.2154404 | 0.8632775 | -1.4079 | 0.159 | -0.663836796 | count | 1 |
| ITGAV | -0.5178761 | 0.1959032 | -2.6435 | 0.00826 | -0.663725439 | count | 1 |
| ALG5 | -0.4918621 | 0.1544931 | -3.1837 | 0.00147 | -0.663143992 | count | 1 |
| DSN1 | -0.8061444 | 0.5512573 | -1.4624 | 0.144 | -0.66181311 | count | 1 |
| ENTPD5 | -0.8624151 | 0.6562434 | -1.3142 | 0.189 | -0.660084875 | count | 1 |
| ADORA2B | -0.6617377 | 0.4757135 | -1.391 | 0.164 | -0.657670677 | count | 1 |
| MIPEP | -0.9094473 | 0.6237043 | -1.4581 | 0.145 | -0.657266583 | count | 1 |
| HMOX1 | -0.4557998 | 0.1161404 | -3.9246 | 8.93E-05 | -0.654775616 | count | 1 |
| ZSCAN5A | -0.739533 | 0.5138218 | -1.4393 | 0.15 | -0.653746435 | count | 1 |
| POLR2J3 | -1.1886779 | 1.3457443 | -0.8833 | 0.377 | -0.653681409 | count | 1 |
| TANC2 | -0.601178 | 0.2821661 | -2.1306 | 0.0332 | -0.652878149 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|-------------|
| NOV | -1.5456067 | 1.2559018 | -1.2307 | 0.219 | -0.652556697 | count | 1 |
| GADD45GIP1 | -0.459734 | 0.0752095 | -6.1127 | 1.14E-09 | -0.651634625 | count | 2.74E-05 |
| S100A2 | -1.00598 | 0.7959112 | -1.2639 | 0.206 | -0.651304274 | count | 1 |
| CXCL1 | -0.4735311 | 0.3848467 | -1.2304 | 0.219 | -0.650584585 | count | 1 |
| SOX15 | -1.760755 | 1.5494086 | -1.1364 | 0.256 | -0.650247622 | count | 1 |
| SRRD | -0.5792735 | 0.3920648 | -1.4775 | 0.14 | -0.649714265 | count | 1 |
| RMDN3 | -0.5142225 | 0.232408 | -2.2126 | 0.027 | -0.649652815 | count | 1 |
| HSPD1 | -0.4554413 | 0.0632008 | -7.2063 | 7.62E-13 | -0.648052682 | count | 1.84E-08 |
| GAS2L3 | -0.5083608 | 0.1965676 | -2.5862 | 0.00976 | -0.647705487 | count | 1 |
| IFRD2 | -0.5359352 | 0.2859526 | -1.8742 | 0.061 | -0.647407403 | count | 1 |
| AC007038.2 | -1.3677252 | 1.491324 | -0.9171 | 0.359 | -0.646142692 | count | 1 |
| SIGLEC12 | -1.5151266 | 1.1349802 | -1.3349 | 0.182 | -0.645147503 | count | 1 |
| SDF2L1 | -0.4581397 | 0.107711 | -4.2534 | 2.18E-05 | -0.644685723 | count | 0.5153738 |
| APOO | -0.6876266 | 0.4871205 | -1.4116 | 0.158 | -0.643539817 | count | 1 |
| SDC4 | -0.5176083 | 0.3038499 | -1.7035 | 0.0886 | -0.642643867 | count | 1 |
| CLCF1 | -0.7952267 | 0.6872585 | -1.1571 | 0.247 | -0.642317426 | count | 1 |
| WDR90 | -1.7181811 | 1.5651052 | -1.0978 | 0.272 | -0.642247816 | count | 1 |
| MRGBP | -0.5434819 | 0.258157 | -2.1052 | 0.0354 | -0.642073142 | count | 1 |
| SLC25A35 | -1.2423713 | 1.465501 | -0.8477 | 0.397 | -0.641506513 | count | 1 |
| MAP3K20 | -0.4800907 | 0.1997959 | -2.4029 | 0.0163 | -0.640716277 | count | 1 |
| SLC37A2 | -0.5379632 | 0.3607653 | -1.4912 | 0.136 | -0.640320974 | count | 1 |
| CSTF1 | -0.5779687 | 0.3291392 | -1.756 | 0.0792 | -0.637873589 | count | 1 |
| IL21R | -0.8761196 | 0.50331 | -1.7407 | 0.0819 | -0.637644498 | count | 1 |
| PHF19 | -0.5209212 | 0.2066964 | -2.5202 | 0.0118 | -0.636780947 | count | 1 |
| ZDHHC14 | -0.7048087 | 0.3668739 | -1.9211 | 0.0548 | -0.634952217 | count | 1 |
| YWHAH | -0.4466265 | 0.0769864 | -5.8014 | 7.42E-09 | -0.634904444 | count | 0.000178035 |
| TUBB | -0.4448483 | 0.0681659 | -6.526 | 8.18E-11 | -0.634460557 | count | 1.97E-06 |
| LRRC59 | -0.4680776 | 0.1433669 | -3.2649 | 0.00111 | -0.634025456 | count | 1 |
| MYO1E | -0.4817473 | 0.2371178 | -2.0317 | 0.0423 | -0.631590988 | count | 1 |
| RIOX1 | -0.7005193 | 0.4528905 | -1.5468 | 0.122 | -0.631522576 | count | 1 |
| CASC15 | -1.063438 | 2.022951 | -0.5257 | 0.599 | -0.63036523 | count | 1 |
| C1orf198 | -1.2104338 | 0.9167516 | -1.3204 | 0.187 | -0.630269311 | count | 1 |
| CCT3 | -0.4522202 | 0.0938392 | -4.8191 | 1.53E-06 | -0.629925606 | count | 0.03641553 |
| CDC7 | -1.127446 | 1.9923575 | -0.5659 | 0.572 | -0.629736986 | count | 1 |
| SEC22A | -0.8370199 | 0.4938499 | -1.6949 | 0.0902 | -0.629424014 | count | 1 |
| HSP90AA1 | -0.4376797 | 0.0524754 | -8.3407 | 1.22E-16 | -0.629332928 | count | 2.95E-12 |
| KRT18 | -1.2074072 | 0.7243846 | -1.6668 | 0.0957 | -0.629191233 | count | 1 |
| MYDGF | -0.4401941 | 0.0697973 | -6.3067 | 3.37E-10 | -0.628070099 | count | 8.11E-06 |
| PRR3 | -0.6464539 | 0.3777454 | -1.7113 | 0.0871 | -0.627273201 | count | 1 |
| DDB1 | -0.5150134 | 0.217043 | -2.3729 | 0.0177 | -0.626521571 | count | 1 |
| IFITM10 | -1.6386114 | 0.9337664 | -1.7548 | 0.0794 | -0.626516997 | count | 1 |
| CCSER1 | -1.9494991 | 0.8193446 | -2.3793 | 0.0174 | -0.626407734 | count | 1 |
| GSTO1 | -0.4360926 | 0.0555406 | -7.8518 | 6.08E-15 | -0.626094311 | count | 1.47E-10 |
| FAM220A | -0.831592 | 0.6654745 | -1.2496 | 0.212 | -0.626030546 | count | 1 |
| STIP1 | -0.4677977 | 0.1515855 | -3.086 | 0.00205 | -0.625935755 | count | 1 |

| | | | | | | | |
|-------------|-------------|-------------|---------|----------|--------------|-------|---|
| IFT81 | -0.6745181 | 0.6635699 | -1.0165 | 0.309 | -0.625515707 | count | 1 |
| ARFGAP3 | -0.4526251 | 0.1233719 | -3.6688 | 0.000249 | -0.624436989 | count | 1 |
| AC016831.5 | -0.4688432 | 0.1885424 | -2.4867 | 0.013 | -0.623964635 | count | 1 |
| SPSB1 | -0.6905229 | 0.6033892 | -1.1444 | 0.253 | -0.623507217 | count | 1 |
| NIPAL3 | -0.7231062 | 0.7833183 | -0.9231 | 0.356 | -0.622693857 | count | 1 |
| ZNF267 | -0.4454695 | 0.1087447 | -4.0965 | 4.33E-05 | -0.622358724 | count | 1 |
| OGFOD1 | -0.765072 | 0.4268762 | -1.7923 | 0.0732 | -0.621448313 | count | 1 |
| FAM114A1 | -0.4826791 | 0.2098064 | -2.3006 | 0.0215 | -0.621211785 | count | 1 |
| FAM92A | -0.9454286 | 0.8208638 | -1.1517 | 0.25 | -0.620686951 | count | 1 |
| SPIC | -17.865758 | 2552.47042 | -0.007 | 0.994 | -0.619359615 | count | 1 |
| COLEC10 | -16.500851 | 3673.056765 | -0.0045 | 0.996 | -0.619359576 | count | 1 |
| FOXM1 | -16.500851 | 3673.056765 | -0.0045 | 0.996 | -0.619359576 | count | 1 |
| GNAO1 | -16.500851 | 3673.056765 | -0.0045 | 0.996 | -0.619359576 | count | 1 |
| FBXO17 | -16.500851 | 3673.056765 | -0.0045 | 0.996 | -0.619359576 | count | 1 |
| WDR78 | -16.499953 | 3119.559889 | -0.0053 | 0.996 | -0.619359576 | count | 1 |
| FHL2 | -16.499953 | 3119.559889 | -0.0053 | 0.996 | -0.619359576 | count | 1 |
| FOXP2 | -16.499953 | 3119.559889 | -0.0053 | 0.996 | -0.619359576 | count | 1 |
| TRDC | -16.499953 | 3119.559889 | -0.0053 | 0.996 | -0.619359576 | count | 1 |
| RSPH9 | -16.498302 | 2116.043982 | -0.0078 | 0.994 | -0.619359576 | count | 1 |
| RTCA-AS1 | -16.497624 | 1725.99618 | -0.0096 | 0.992 | -0.619359576 | count | 1 |
| DAW1 | -16.497624 | 1725.99618 | -0.0096 | 0.992 | -0.619359576 | count | 1 |
| SEMA5A | -16.497624 | 1725.99618 | -0.0096 | 0.992 | -0.619359576 | count | 1 |
| AC123595.1 | -16.497624 | 1725.99618 | -0.0096 | 0.992 | -0.619359576 | count | 1 |
| MS4A6E | -16.497624 | 1725.99618 | -0.0096 | 0.992 | -0.619359576 | count | 1 |
| GREM1 | -16.497624 | 1725.99618 | -0.0096 | 0.992 | -0.619359576 | count | 1 |
| ACTC1 | -16.497624 | 1725.99618 | -0.0096 | 0.992 | -0.619359576 | count | 1 |
| ZNF507 | -16.497624 | 1725.99618 | -0.0096 | 0.992 | -0.619359576 | count | 1 |
| TMEM147-AS1 | -16.497144 | 1493.39174 | -0.011 | 0.991 | -0.619359576 | count | 1 |
| SLC7A11 | -17.7492734 | 1369.763136 | -0.013 | 0.99 | -0.619359513 | count | 1 |
| AC107871.1 | -17.5446847 | 2332.581503 | -0.0075 | 0.994 | -0.61935951 | count | 1 |
| DNAH14 | -17.5335097 | 2290.361658 | -0.0077 | 0.994 | -0.619359509 | count | 1 |
| HIST1H2BK | -17.4297257 | 2698.322878 | -0.0065 | 0.995 | -0.619359507 | count | 1 |
| SPOCK2 | -17.4297257 | 2698.322878 | -0.0065 | 0.995 | -0.619359507 | count | 1 |
| AC083862.2 | -17.4295648 | 2522.568986 | -0.0069 | 0.994 | -0.619359507 | count | 1 |
| AKR1E2 | -17.4293132 | 2128.232118 | -0.0082 | 0.993 | -0.619359507 | count | 1 |
| RNASEH2A | -17.4293132 | 2128.232118 | -0.0082 | 0.993 | -0.619359507 | count | 1 |
| AL358472.5 | -17.4291255 | 1900.658589 | -0.0092 | 0.993 | -0.619359507 | count | 1 |
| ARNTL2 | -17.3648599 | 1150.929616 | -0.0151 | 0.988 | -0.619359506 | count | 1 |
| AC026785.2 | -17.0680346 | 1274.408965 | -0.0134 | 0.989 | -0.619359498 | count | 1 |
| AL031775.1 | -17.0110585 | 2304.995688 | -0.0074 | 0.994 | -0.619359497 | count | 1 |
| AC008035.1 | -17.0110585 | 2304.995688 | -0.0074 | 0.994 | -0.619359497 | count | 1 |
| AL133415.1 | -17.0104071 | 1698.961362 | -0.01 | 0.992 | -0.619359496 | count | 1 |
| CYP27B1 | -17.0104071 | 1698.961362 | -0.01 | 0.992 | -0.619359496 | count | 1 |
| NRAV | -17.0104071 | 1698.961362 | -0.01 | 0.992 | -0.619359496 | count | 1 |
| SPC25 | -16.4303458 | 2528.147155 | -0.0065 | 0.995 | -0.619359472 | count | 1 |

| | | | | | | | |
|------------|-------------|-------------|---------|----------|--------------|-------|------------|
| E2F8 | -16.4303458 | 2528.147155 | -0.0065 | 0.995 | -0.619359472 | count | 1 |
| THUMPD3 | -0.4746101 | 0.2083676 | -2.2778 | 0.0228 | -0.618635898 | count | 1 |
| HDAC2-AS2 | -1.408322 | 1.0250993 | -1.3738 | 0.17 | -0.617743277 | count | 1 |
| ACER3 | -0.4851305 | 0.2056774 | -2.3587 | 0.0184 | -0.617637957 | count | 1 |
| HSD17B4 | -0.4466584 | 0.1163603 | -3.8386 | 0.000127 | -0.617105853 | count | 1 |
| ZNF200 | -0.6486022 | 0.5314442 | -1.2205 | 0.222 | -0.617014223 | count | 1 |
| CD2 | -1.589567 | 0.7811804 | -2.0348 | 0.042 | -0.616296204 | count | 1 |
| TMEM150A | -0.4735255 | 0.2419875 | -1.9568 | 0.0505 | -0.615614329 | count | 1 |
| FAM229A | -1.4002645 | 1.7156686 | -0.8162 | 0.414 | -0.615582427 | count | 1 |
| MRPL17 | -0.4527196 | 0.1656593 | -2.7328 | 0.00632 | -0.615219147 | count | 1 |
| AP002449.1 | -1.8694655 | 1.2530649 | -1.4919 | 0.136 | -0.614648258 | count | 1 |
| WIPI1 | -0.4790414 | 0.1809487 | -2.6474 | 0.00816 | -0.614568123 | count | 1 |
| CD84 | -0.4371897 | 0.0977345 | -4.4732 | 8.06E-06 | -0.613757288 | count | 0.19115096 |
| WSB2 | -0.4662697 | 0.225626 | -2.0666 | 0.0389 | -0.6136904 | count | 1 |
| BHLHE40 | -0.452679 | 0.1265985 | -3.5757 | 0.000356 | -0.613566909 | count | 1 |
| CCDC189 | -1.5758719 | 0.736266 | -2.1404 | 0.0324 | -0.613368491 | count | 1 |
| ZNF140 | -1.0248988 | 0.5926673 | -1.7293 | 0.0839 | -0.613260734 | count | 1 |
| HSPH1 | -0.4475833 | 0.1082475 | -4.1348 | 3.67E-05 | -0.611350149 | count | 0.8656796 |
| CAPN15 | -0.5826848 | 0.4094672 | -1.423 | 0.155 | -0.610314902 | count | 1 |
| ATF5 | -0.4345181 | 0.1352737 | -3.2121 | 0.00133 | -0.608340024 | count | 1 |
| DGCR8 | -0.8852189 | 0.5443492 | -1.6262 | 0.104 | -0.608116505 | count | 1 |
| TK1 | -0.8025881 | 0.6492911 | -1.2361 | 0.217 | -0.607737969 | count | 1 |
| TMUB1 | -0.4537744 | 0.1811331 | -2.5052 | 0.0123 | -0.60721966 | count | 1 |
| NRAS | -0.4721547 | 0.2170414 | -2.1754 | 0.0297 | -0.605930697 | count | 1 |
| FBXO32 | -1.0684587 | 0.7982479 | -1.3385 | 0.181 | -0.605722556 | count | 1 |
| SRM | -0.4405916 | 0.1301704 | -3.3847 | 0.000724 | -0.604621114 | count | 1 |
| FLOT1 | -0.4293875 | 0.0901468 | -4.7632 | 2.02E-06 | -0.604146759 | count | 0.04804974 |
| TM4SF1 | -1.356592 | 1.0926016 | -1.2416 | 0.214 | -0.60363584 | count | 1 |
| TMEM38B | -0.474787 | 0.2268925 | -2.0926 | 0.0365 | -0.603588131 | count | 1 |
| SCARB2 | -0.4306857 | 0.1121098 | -3.8416 | 0.000125 | -0.603574001 | count | 1 |
| MRPL40 | -0.4338329 | 0.1226788 | -3.5363 | 0.000413 | -0.603344209 | count | 1 |
| SND1-IT1 | -0.7745285 | 0.5330517 | -1.453 | 0.146 | -0.603185637 | count | 1 |
| BCAP31 | -0.4222774 | 0.0718063 | -5.8808 | 4.64E-09 | -0.601458021 | count | 0.00011369 |
| DNAJC18 | -2.2558225 | 1.0400205 | -2.169 | 0.0302 | -0.600556195 | count | 1 |
| PRIM2 | -0.6524934 | 0.4185577 | -1.5589 | 0.119 | -0.600074682 | count | 1 |
| SUOX | -1.769145 | 1.1445987 | -1.5456 | 0.122 | -0.598715632 | count | 1 |
| ID4 | -1.7689513 | 1.3311055 | -1.3289 | 0.184 | -0.598683547 | count | 1 |
| PTPN23 | -0.6598063 | 0.3697037 | -1.7847 | 0.0744 | -0.598680569 | count | 1 |
| FAM24B | -0.8680281 | 0.9403363 | -0.9231 | 0.356 | -0.598559827 | count | 1 |
| AL035446.1 | -1.2138863 | 1.0268503 | -1.1821 | 0.237 | -0.597729936 | count | 1 |
| EPB41L3 | -0.4285141 | 0.0986088 | -4.3456 | 1.45E-05 | -0.597518914 | count | 0.343215 |
| MAGED2 | -0.4586347 | 0.156617 | -2.9284 | 0.00344 | -0.597427585 | count | 1 |
| ARID5A | -0.4326938 | 0.115083 | -3.7598 | 0.000174 | -0.596704185 | count | 1 |
| HSPA5 | -0.4158414 | 0.0694683 | -5.9861 | 2.47E-09 | -0.595690974 | count | 5.93E-05 |
| IRAK1 | -0.4339138 | 0.1374808 | -3.1562 | 0.00162 | -0.595349511 | count | 1 |

| | | | | | | | |
|---------------|------------|-----------|----------|----------|--------------|-------|-------------|
| ZNF584 | -0.8313193 | 1.4140591 | -0.5879 | 0.557 | -0.594732677 | count | 1 |
| IRAK2 | -0.6228346 | 0.4090737 | -1.5225 | 0.128 | -0.594711401 | count | 1 |
| ZEB1 | -1.2039726 | 0.7261669 | -1.658 | 0.0974 | -0.594420693 | count | 1 |
| PDLIM1 | -0.6726262 | 0.3438942 | -1.9559 | 0.0506 | -0.592875295 | count | 1 |
| MANF | -0.4297424 | 0.1319089 | -3.2579 | 0.00114 | -0.592820081 | count | 1 |
| VIM | -0.4105188 | 0.0430754 | -9.5302 | 3.63E-21 | -0.592042236 | count | 8.80E-17 |
| S100A11 | -0.4106421 | 0.0312581 | -13.1371 | 3.80E-38 | -0.591978423 | count | 9.23E-34 |
| TAMM41 | -0.6125561 | 0.4707814 | -1.3011 | 0.193 | -0.591585545 | count | 1 |
| KCTD13 | -0.5530929 | 0.5066106 | -1.0918 | 0.275 | -0.591514221 | count | 1 |
| AHCY | -0.4629949 | 0.2052394 | -2.2559 | 0.0242 | -0.591236994 | count | 1 |
| DDN-AS1 | -0.9281618 | 0.7071901 | -1.3125 | 0.189 | -0.590746861 | count | 1 |
| P2RX4 | -0.4259836 | 0.1501991 | -2.8361 | 0.0046 | -0.590746544 | count | 1 |
| MRM2 | -0.4766047 | 0.2227285 | -2.1398 | 0.0325 | -0.5906744 | count | 1 |
| CXorf40A | -0.5005026 | 0.3330817 | -1.5026 | 0.133 | -0.59034252 | count | 1 |
| LGMN | -0.4124386 | 0.130006 | -3.1725 | 0.00153 | -0.589771632 | count | 1 |
| TIMP4 | -1.183971 | 1.4727691 | -0.8039 | 0.422 | -0.587672328 | count | 1 |
| DLG5 | -1.183971 | 2.4307803 | -0.4871 | 0.626 | -0.587672328 | count | 1 |
| MRPS6 | -0.4179604 | 0.1193465 | -3.5021 | 0.00047 | -0.58747669 | count | 1 |
| MAST4 | -1.4512938 | 0.8150417 | -1.7806 | 0.0751 | -0.585202865 | count | 1 |
| PLEK | -0.4073799 | 0.0608905 | -6.6904 | 2.75E-11 | -0.585010624 | count | 6.63E-07 |
| GEM | -0.4607699 | 0.3815068 | -1.2078 | 0.227 | -0.584993582 | count | 1 |
| MAD2L1 | -1.0846604 | 0.8463155 | -1.2816 | 0.2 | -0.583508732 | count | 1 |
| RNF122 | -0.6243647 | 0.5263917 | -1.1861 | 0.236 | -0.58340383 | count | 1 |
| CREB3 | -0.4407571 | 0.1699904 | -2.5928 | 0.00958 | -0.582719593 | count | 1 |
| CTSZ | -0.404496 | 0.0454422 | -8.9013 | 1.05E-18 | -0.581606407 | count | 2.54E-14 |
| OGN | -1.6664588 | 0.885477 | -1.882 | 0.06 | -0.58093886 | count | 1 |
| AC092683.1 | -1.6661413 | 0.9264884 | -1.7983 | 0.0722 | -0.580881471 | count | 1 |
| THBD | -0.4064252 | 0.0732894 | -5.5455 | 3.25E-08 | -0.580766939 | count | 0.000778213 |
| KANK1 | -1.432447 | 0.8665312 | -1.6531 | 0.0984 | -0.580693794 | count | 1 |
| PRDM8 | -0.4667706 | 0.4443127 | -1.0505 | 0.294 | -0.57882698 | count | 1 |
| ADAMTS6 | -1.1528264 | 0.9220474 | -1.2503 | 0.211 | -0.576972069 | count | 1 |
| NUPR1 | -0.4204373 | 0.2405656 | -1.7477 | 0.0806 | -0.576551439 | count | 1 |
| ELL2 | -0.424028 | 0.1130162 | -3.7519 | 0.00018 | -0.576506596 | count | 1 |
| FKBP2 | -0.4034966 | 0.0685026 | -5.8902 | 4.39E-09 | -0.575921808 | count | 0.000105373 |
| ELMO2 | -0.8603155 | 0.615139 | -1.3986 | 0.162 | -0.575777241 | count | 1 |
| SPINT2 | -0.4079158 | 0.0800284 | -5.0971 | 3.71E-07 | -0.575651675 | count | 0.008850576 |
| DNAJC25-GNG10 | -0.993857 | 0.7052916 | -1.4091 | 0.159 | -0.573992486 | count | 1 |
| BX284668.6 | -1.2533247 | 0.762094 | -1.6446 | 0.1 | -0.573769804 | count | 1 |
| MTFR1 | -0.6479706 | 0.427302 | -1.5164 | 0.13 | -0.573455332 | count | 1 |
| SIGLEC7 | -0.4421714 | 0.2210339 | -2.0005 | 0.0456 | -0.572774175 | count | 1 |
| AL512329.2 | -1.2492507 | 1.0910947 | -1.145 | 0.252 | -0.572543798 | count | 1 |
| SGPL1 | -0.4631651 | 0.263772 | -1.7559 | 0.0792 | -0.571924579 | count | 1 |
| FEN1 | -0.7466256 | 0.4124001 | -1.8104 | 0.0703 | -0.571683922 | count | 1 |
| NT5DC2 | -0.6101688 | 0.4050463 | -1.5064 | 0.132 | -0.571343322 | count | 1 |
| PAQR3 | -1.613975 | 0.7221712 | -2.2349 | 0.0255 | -0.571245132 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|-------------|
| HINFP | -0.6672059 | 0.3989206 | -1.6725 | 0.0945 | -0.571036982 | count | 1 |
| USP5 | -0.6936825 | 0.4429921 | -1.5659 | 0.118 | -0.570874946 | count | 1 |
| HGF | -0.4731463 | 0.214917 | -2.2015 | 0.0278 | -0.570681832 | count | 1 |
| GPX4 | -0.3967718 | 0.0408478 | -9.7134 | 6.53E-22 | -0.570333954 | count | 1.58E-17 |
| HK1 | -0.4277598 | 0.153466 | -2.7873 | 0.00536 | -0.569356637 | count | 1 |
| HSPA2 | -1.602959 | 0.7337243 | -2.1847 | 0.029 | -0.56915628 | count | 1 |
| ZBED3 | -0.5338107 | 0.3286081 | -1.6245 | 0.104 | -0.568932279 | count | 1 |
| ITGA5 | -0.4340645 | 0.2335774 | -1.8583 | 0.0632 | -0.568812536 | count | 1 |
| MED18 | -0.7224199 | 0.5707149 | -1.2658 | 0.206 | -0.568279286 | count | 1 |
| TXNDC17 | -0.4002197 | 0.0767086 | -5.2174 | 1.97E-07 | -0.568074993 | count | 0.004705542 |
| SEMA6B | -0.4670327 | 0.297573 | -1.5695 | 0.117 | -0.567908709 | count | 1 |
| STK17A | -0.4152879 | 0.1395155 | -2.9766 | 0.00294 | -0.567544084 | count | 1 |
| MCOLN2 | -2.771212 | 1.471312 | -1.8835 | 0.0598 | -0.566576661 | count | 1 |
| RAD50 | -0.6732576 | 0.5311093 | -1.2676 | 0.205 | -0.566098571 | count | 1 |
| RABL2A | -1.1208052 | 0.7713518 | -1.453 | 0.146 | -0.565723686 | count | 1 |
| RBM38 | -0.4584994 | 0.2369616 | -1.9349 | 0.0531 | -0.565451561 | count | 1 |
| GNL3 | -0.4340389 | 0.1652606 | -2.6264 | 0.00868 | -0.564443322 | count | 1 |
| ILKAP | -0.4786177 | 0.2676051 | -1.7885 | 0.0738 | -0.56404818 | count | 1 |
| PDXK | -0.3960313 | 0.0800876 | -4.945 | 8.13E-07 | -0.563998643 | count | 0.019372164 |
| NENF | -0.3969405 | 0.0820691 | -4.8367 | 1.40E-06 | -0.563442715 | count | 0.033327 |
| PLSCR1 | -0.3946426 | 0.0636482 | -6.2004 | 6.59E-10 | -0.563425049 | count | 1.58E-05 |
| OPN3 | -0.4249134 | 0.2013769 | -2.11 | 0.035 | -0.563149441 | count | 1 |
| AC002091.2 | -0.8054304 | 0.8828913 | -0.9123 | 0.362 | -0.562987385 | count | 1 |
| NTAN1 | -0.4002672 | 0.1177693 | -3.3987 | 0.000688 | -0.562666762 | count | 1 |
| MAPKAP1 | -0.4218171 | 0.1678641 | -2.5128 | 0.012 | -0.562244402 | count | 1 |
| FBXO31 | -1.3575707 | 1.1030463 | -1.2307 | 0.219 | -0.562107255 | count | 1 |
| DYRK4 | -0.4384292 | 0.2155664 | -2.0338 | 0.0421 | -0.56206707 | count | 1 |
| ABHD15 | -0.5331975 | 0.3273575 | -1.6288 | 0.103 | -0.56167988 | count | 1 |
| C4orf3 | -0.3912636 | 0.0604898 | -6.4683 | 1.19E-10 | -0.560379237 | count | 2.87E-06 |
| SWAP70 | -0.4125439 | 0.1281433 | -3.2194 | 0.0013 | -0.560010418 | count | 1 |
| AL023806.1 | -1.5529556 | 1.1599114 | -1.3389 | 0.181 | -0.559432793 | count | 1 |
| NXT2 | -0.6115917 | 0.414246 | -1.4764 | 0.14 | -0.559116223 | count | 1 |
| SCYL1 | -0.4629415 | 0.2782865 | -1.6635 | 0.0963 | -0.558767688 | count | 1 |
| FAM50A | -0.3982724 | 0.105758 | -3.7659 | 0.00017 | -0.55815722 | count | 1 |
| UTP25 | -0.8276814 | 0.6338867 | -1.3057 | 0.192 | -0.557973447 | count | 1 |
| SIGLEC9 | -0.4326163 | 0.1801705 | -2.4012 | 0.0164 | -0.557600572 | count | 1 |
| RANBP2 | -0.4062528 | 0.1453556 | -2.7949 | 0.00523 | -0.557173086 | count | 1 |
| DNMT3A | -0.4805913 | 0.2908862 | -1.6522 | 0.0986 | -0.55689615 | count | 1 |
| C14orf119 | -0.4023641 | 0.1262554 | -3.1869 | 0.00146 | -0.556151998 | count | 1 |
| ALDH1B1 | -1.3341759 | 0.8280205 | -1.6113 | 0.107 | -0.55607531 | count | 1 |
| RCN1 | -0.5045159 | 0.2914543 | -1.731 | 0.0836 | -0.555983559 | count | 1 |
| BNIP3L | -0.3879014 | 0.0583871 | -6.6436 | 3.76E-11 | -0.555119203 | count | 9.06E-07 |
| ABCB4 | -2.5630781 | 1.308713 | -1.9585 | 0.0503 | -0.554741711 | count | 1 |
| DCTN2 | -0.4086168 | 0.1344848 | -3.0384 | 0.0024 | -0.554733806 | count | 1 |
| MAN1B1 | -0.4864147 | 0.233353 | -2.0845 | 0.0372 | -0.554293131 | count | 1 |

| | | | | | | | |
|-----------|------------|-----------|----------|----------|--------------|-------|-------------|
| LRRC23 | -0.5493983 | 0.3968238 | -1.3845 | 0.166 | -0.554080663 | count | 1 |
| IL7 | -1.0848476 | 0.6134402 | -1.7685 | 0.0771 | -0.552790462 | count | 1 |
| CALM3 | -0.3874029 | 0.0737864 | -5.2503 | 1.65E-07 | -0.552641279 | count | 0.003942015 |
| GNPDA1 | -0.3955456 | 0.1208836 | -3.2721 | 0.00108 | -0.551844487 | count | 1 |
| HDHD3 | -0.5557446 | 0.619667 | -0.8968 | 0.37 | -0.550854566 | count | 1 |
| FAM129B | -0.4261633 | 0.2869423 | -1.4852 | 0.138 | -0.550751715 | count | 1 |
| LY9 | -0.941119 | 0.6494377 | -1.4491 | 0.147 | -0.550630908 | count | 1 |
| MED19 | -0.4223115 | 0.1901451 | -2.221 | 0.0264 | -0.550203829 | count | 1 |
| FTH1 | -0.3812218 | 0.0294814 | -12.9309 | 4.76E-37 | -0.549953203 | count | 1.16E-32 |
| PDGFA | -0.5443495 | 0.2809123 | -1.9378 | 0.0528 | -0.549339411 | count | 1 |
| TTC21A | -0.9374651 | 0.8641242 | -1.0849 | 0.278 | -0.548983495 | count | 1 |
| ABRAXAS2 | -0.4419251 | 0.2035848 | -2.1707 | 0.03 | -0.548821991 | count | 1 |
| PDCD4-AS1 | -0.7315952 | 0.4751806 | -1.5396 | 0.124 | -0.548481378 | count | 1 |
| GPR35 | -0.4550491 | 0.2824709 | -1.611 | 0.107 | -0.548425475 | count | 1 |
| GOLIM4 | -0.4024358 | 0.1392906 | -2.8892 | 0.0039 | -0.547313293 | count | 1 |
| SLC39A11 | -0.4662356 | 0.2235989 | -2.0851 | 0.0372 | -0.547096719 | count | 1 |
| CHCHD1 | -0.3968967 | 0.1555896 | -2.5509 | 0.0108 | -0.547053738 | count | 1 |
| ZNF510 | -0.7520236 | 1.0868586 | -0.6919 | 0.489 | -0.546998887 | count | 1 |
| LINC00900 | -0.7520236 | 0.6062194 | -1.2405 | 0.215 | -0.546998887 | count | 1 |
| GPAA1 | -0.4026202 | 0.1460288 | -2.7571 | 0.00587 | -0.546145542 | count | 1 |
| CENPF | -0.5455752 | 0.5007969 | -1.0894 | 0.276 | -0.546077887 | count | 1 |
| C1GALT1C1 | -0.4255616 | 0.2185579 | -1.9471 | 0.0516 | -0.545899643 | count | 1 |
| NQO1 | -0.727225 | 0.517839 | -1.4043 | 0.16 | -0.545682254 | count | 1 |
| LINC00526 | -1.1627584 | 0.7403016 | -1.5707 | 0.116 | -0.545634237 | count | 1 |
| LINC01480 | -0.4382706 | 0.3677315 | -1.1918 | 0.233 | -0.54517168 | count | 1 |
| BAMBI | -0.6450379 | 0.8341274 | -0.7733 | 0.439 | -0.545045464 | count | 1 |
| NAF1 | -0.4170198 | 0.2120314 | -1.9668 | 0.0493 | -0.54484004 | count | 1 |
| POLR1C | -0.4861034 | 0.5196421 | -0.9355 | 0.35 | -0.543606714 | count | 1 |
| LINC00884 | -0.4683774 | 0.3071504 | -1.5249 | 0.127 | -0.543291166 | count | 1 |
| CTTNBP2NL | -0.4112835 | 0.1449013 | -2.8384 | 0.00457 | -0.542974086 | count | 1 |
| KPNA2 | -0.4014472 | 0.1114537 | -3.6019 | 0.000322 | -0.542887176 | count | 1 |
| MRPL15 | -0.4025361 | 0.1615905 | -2.4911 | 0.0128 | -0.542154028 | count | 1 |
| TIMM8A | -0.6086279 | 0.4906364 | -1.2405 | 0.215 | -0.542072092 | count | 1 |
| EVA1B | -0.399374 | 0.1574454 | -2.5366 | 0.0113 | -0.542050185 | count | 1 |
| TCP1 | -0.3958429 | 0.1003116 | -3.9461 | 8.17E-05 | -0.541896404 | count | 1 |
| PLEKHM2 | -0.3933005 | 0.1417592 | -2.7744 | 0.00557 | -0.541837499 | count | 1 |
| PPP1R3B | -0.4804186 | 0.3654918 | -1.3144 | 0.189 | -0.541790284 | count | 1 |
| MFSD13A | -0.5010326 | 0.3279029 | -1.528 | 0.127 | -0.541730013 | count | 1 |
| RUBCNL | -0.5194212 | 0.3397142 | -1.529 | 0.126 | -0.541130834 | count | 1 |
| MKI67 | -0.8312777 | 0.8359568 | -0.9944 | 0.32 | -0.541003279 | count | 1 |
| ARHGAP18 | -0.3793225 | 0.0724755 | -5.2338 | 1.80E-07 | -0.540988814 | count | 0.00430002 |
| BRCA1 | -0.6070162 | 0.5484353 | -1.1068 | 0.268 | -0.540776157 | count | 1 |
| ALG2 | -0.4076236 | 0.1472127 | -2.7689 | 0.00567 | -0.540553889 | count | 1 |
| AMIGO2 | -1.756703 | 0.9311149 | -1.8867 | 0.0593 | -0.540262014 | count | 1 |
| FCHO2 | -0.3904815 | 0.1304195 | -2.994 | 0.00278 | -0.540092973 | count | 1 |

| | | | | | | | |
|------------|-------------|-------------|---------|----------|--------------|-------|-------------|
| TMEM86A | -0.5254527 | 0.3782625 | -1.3891 | 0.165 | -0.539554429 | count | 1 |
| RRAGD | -0.399658 | 0.1882831 | -2.1226 | 0.0339 | -0.539282997 | count | 1 |
| HIST1H2BN | -0.9742357 | 0.7421034 | -1.3128 | 0.189 | -0.539055049 | count | 1 |
| ITGB1 | -0.3773929 | 0.0718621 | -5.2516 | 1.64E-07 | -0.537924272 | count | 0.003918288 |
| HAGHL | -0.4649437 | 0.3600732 | -1.2912 | 0.197 | -0.537820191 | count | 1 |
| TRUB2 | -0.4970463 | 0.284472 | -1.7473 | 0.0807 | -0.537644959 | count | 1 |
| PPP1R17 | -0.8628786 | 1.815733 | -0.4752 | 0.635 | -0.536698526 | count | 1 |
| ADGRE2 | -0.3966262 | 0.1391665 | -2.85 | 0.00441 | -0.536435536 | count | 1 |
| ABCD1 | -0.4481755 | 0.3041959 | -1.4733 | 0.141 | -0.535778183 | count | 1 |
| AL161935.3 | -0.4500474 | 0.2500625 | -1.7997 | 0.072 | -0.535467999 | count | 1 |
| ENC1 | -0.4976278 | 0.3534073 | -1.4081 | 0.159 | -0.535401169 | count | 1 |
| RPP40 | -0.7112339 | 0.4670061 | -1.523 | 0.128 | -0.535388511 | count | 1 |
| SMYD3 | -0.5491542 | 0.5429082 | -1.0115 | 0.312 | -0.535017751 | count | 1 |
| TUBA1B | -0.3719139 | 0.0489715 | -7.5945 | 4.36E-14 | -0.534751631 | count | 1.05E-09 |
| TMED3 | -0.3953973 | 0.1478247 | -2.6748 | 0.00753 | -0.534351646 | count | 1 |
| RTCB | -0.3923257 | 0.1330577 | -2.9485 | 0.00322 | -0.534165581 | count | 1 |
| EGLN3 | -0.4218784 | 0.3963168 | -1.0645 | 0.287 | -0.533826649 | count | 1 |
| ADGRB1 | -17.7988987 | 2638.253693 | -0.0067 | 0.995 | -0.532892935 | count | 1 |
| FRMD6 | -17.798853 | 1907.507903 | -0.0093 | 0.993 | -0.532892935 | count | 1 |
| SULF1 | -17.4788308 | 1741.348731 | -0.01 | 0.992 | -0.532892931 | count | 1 |
| COL3A1 | -17.4786412 | 1478.180055 | -0.0118 | 0.991 | -0.532892931 | count | 1 |
| HIST1H2BH | -17.4726681 | 1583.935758 | -0.011 | 0.991 | -0.532892931 | count | 1 |
| LINC02175 | -17.3493969 | 2175.698639 | -0.008 | 0.994 | -0.532892929 | count | 1 |
| ZFYVE9 | -17.3492286 | 1905.069146 | -0.0091 | 0.993 | -0.532892929 | count | 1 |
| AC064836.3 | -17.3492286 | 1905.069146 | -0.0091 | 0.993 | -0.532892929 | count | 1 |
| AL358852.1 | -17.3492286 | 1905.069146 | -0.0091 | 0.993 | -0.532892929 | count | 1 |
| KLHL11 | -17.3492286 | 1905.069146 | -0.0091 | 0.993 | -0.532892929 | count | 1 |
| AC099568.2 | -17.2227894 | 2398.618802 | -0.0072 | 0.994 | -0.532892926 | count | 1 |
| VCAM1 | -17.2224215 | 1692.659517 | -0.0102 | 0.992 | -0.532892926 | count | 1 |
| AC092587.1 | -16.8969752 | 2951.194046 | -0.0057 | 0.995 | -0.532892918 | count | 1 |
| AL133351.1 | -16.8961981 | 1964.005507 | -0.0086 | 0.993 | -0.532892918 | count | 1 |
| CA12 | -16.8961981 | 1964.005507 | -0.0086 | 0.993 | -0.532892918 | count | 1 |
| AC023043.1 | -16.8959327 | 1699.25233 | -0.0099 | 0.992 | -0.532892918 | count | 1 |
| A4GALT | -16.8959327 | 1699.25233 | -0.0099 | 0.992 | -0.532892918 | count | 1 |
| UBOX5 | -16.8378582 | 1260.669742 | -0.0134 | 0.989 | -0.532892916 | count | 1 |
| MAFA | -18.18994 | 1486.581556 | -0.0122 | 0.99 | -0.53289285 | count | 1 |
| HSD17B1 | -17.462882 | 2386.718109 | -0.0073 | 0.994 | -0.532892842 | count | 1 |
| COL7A1 | -17.315103 | 3308.612874 | -0.0052 | 0.996 | -0.532892839 | count | 1 |
| HIST1H2AK | -17.314607 | 2916.160831 | -0.0059 | 0.995 | -0.532892839 | count | 1 |
| AL080317.1 | -17.314607 | 2916.160831 | -0.0059 | 0.995 | -0.532892839 | count | 1 |
| NOTCH3 | -17.314607 | 2916.160831 | -0.0059 | 0.995 | -0.532892839 | count | 1 |
| CPNE9 | -17.314102 | 2462.404928 | -0.007 | 0.994 | -0.532892839 | count | 1 |
| AC091808.1 | -17.314102 | 2462.404928 | -0.007 | 0.994 | -0.532892839 | count | 1 |
| C8orf88 | -17.314102 | 2462.404928 | -0.007 | 0.994 | -0.532892839 | count | 1 |
| BAALC | -17.314102 | 2462.404928 | -0.007 | 0.994 | -0.532892839 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|----------|----------|--------------|-------|-------------|
| AL359182.2 | -17.314102 | 2462.404928 | -0.007 | 0.994 | -0.532892839 | count | 1 |
| AP001453.1 | -17.314102 | 2462.404928 | -0.007 | 0.994 | -0.532892839 | count | 1 |
| NTSR1 | -17.314102 | 2462.404928 | -0.007 | 0.994 | -0.532892839 | count | 1 |
| AP000695.2 | -17.314102 | 2462.404928 | -0.007 | 0.994 | -0.532892839 | count | 1 |
| SPATA18 | -16.317066 | 3350.573769 | -0.0049 | 0.996 | -0.532892806 | count | 1 |
| PHEX | -16.317066 | 3350.573769 | -0.0049 | 0.996 | -0.532892806 | count | 1 |
| JAM3 | -16.317066 | 3350.573769 | -0.0049 | 0.996 | -0.532892806 | count | 1 |
| IGHV1-18 | -16.317066 | 3350.573769 | -0.0049 | 0.996 | -0.532892806 | count | 1 |
| AC116914.2 | -16.317066 | 3350.573769 | -0.0049 | 0.996 | -0.532892806 | count | 1 |
| AC010522.1 | -16.317066 | 3350.573769 | -0.0049 | 0.996 | -0.532892806 | count | 1 |
| OSBP2 | -16.317066 | 3350.573769 | -0.0049 | 0.996 | -0.532892806 | count | 1 |
| DPYSL4 | -16.315322 | 2219.318368 | -0.0074 | 0.994 | -0.532892805 | count | 1 |
| CCDC65 | -16.315322 | 2219.318368 | -0.0074 | 0.994 | -0.532892805 | count | 1 |
| AC015712.1 | -16.315322 | 2219.318368 | -0.0074 | 0.994 | -0.532892805 | count | 1 |
| SLC2A11 | -1.4259893 | 0.8881854 | -1.6055 | 0.109 | -0.53288894 | count | 1 |
| UTP18 | -0.3946746 | 0.1610966 | -2.4499 | 0.0144 | -0.532319707 | count | 1 |
| SCX | -1.1214646 | 2.5336977 | -0.4426 | 0.658 | -0.532181823 | count | 1 |
| ELAC1 | -0.640326 | 0.3494446 | -1.8324 | 0.067 | -0.532013935 | count | 1 |
| CENPL | -1.4202543 | 1.2024463 | -1.1811 | 0.238 | -0.531624757 | count | 1 |
| ZC4H2 | -2.24237 | 1.3641039 | -1.6438 | 0.1 | -0.531336939 | count | 1 |
| Z93241.1 | -0.5164953 | 0.4512861 | -1.1445 | 0.253 | -0.530929585 | count | 1 |
| SDC3 | -0.4070427 | 0.1957263 | -2.0797 | 0.0377 | -0.530639719 | count | 1 |
| IFT46 | -1.1166274 | 0.7871221 | -1.4186 | 0.156 | -0.530579939 | count | 1 |
| COPS4 | -0.4107239 | 0.1811576 | -2.2672 | 0.0235 | -0.529034634 | count | 1 |
| POLR2J2 | -0.7473596 | 0.8053698 | -0.928 | 0.354 | -0.528900782 | count | 1 |
| TFPT | -0.3899933 | 0.1869111 | -2.0865 | 0.037 | -0.528524703 | count | 1 |
| ARL8B | -0.3761302 | 0.096702 | -3.8896 | 0.000103 | -0.527841807 | count | 1 |
| AL136454.1 | -1.0171332 | 0.7045629 | -1.4436 | 0.149 | -0.527553229 | count | 1 |
| CMC4 | -0.7722354 | 0.5931318 | -1.302 | 0.193 | -0.526978163 | count | 1 |
| SNX12 | -0.529017 | 0.4159788 | -1.2717 | 0.204 | -0.526195751 | count | 1 |
| CENPK | -0.8872382 | 0.6978654 | -1.2714 | 0.204 | -0.525955825 | count | 1 |
| TSPYL4 | -0.5798359 | 0.4689065 | -1.2366 | 0.216 | -0.525888033 | count | 1 |
| BHLHE41 | -0.3939251 | 0.157858 | -2.4954 | 0.0126 | -0.52511049 | count | 1 |
| SIPA1L3 | -0.8393222 | 0.5897819 | -1.4231 | 0.155 | -0.524932014 | count | 1 |
| CARMIL1 | -0.5691459 | 0.392069 | -1.4516 | 0.147 | -0.523691996 | count | 1 |
| RBM41 | -0.5124319 | 0.3574568 | -1.4335 | 0.152 | -0.523175391 | count | 1 |
| PDIA6 | -0.3660451 | 0.065603 | -5.5797 | 2.67E-08 | -0.523100102 | count | 0.000639625 |
| NPC2 | -0.3628623 | 0.0338319 | -10.7254 | 2.93E-26 | -0.522436705 | count | 7.11E-22 |
| VEZT | -0.4326926 | 0.2891797 | -1.4963 | 0.135 | -0.522283306 | count | 1 |
| USF2 | -0.3683991 | 0.0726315 | -5.0722 | 4.23E-07 | -0.522194887 | count | 0.010088127 |
| ATP6V1D | -0.3759285 | 0.1077761 | -3.4881 | 0.000495 | -0.521702116 | count | 1 |
| NIT2 | -0.4125616 | 0.2354778 | -1.752 | 0.0799 | -0.521117753 | count | 1 |
| RPS6KA2 | -0.6884925 | 0.5890607 | -1.1688 | 0.243 | -0.520610662 | count | 1 |
| GPI | -0.3758393 | 0.1427396 | -2.633 | 0.00852 | -0.520324535 | count | 1 |
| ZNF738 | -0.5815362 | 0.6030092 | -0.9644 | 0.335 | -0.520181507 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|----------|
| MRPS14 | -0.3973159 | 0.1976277 | -2.0104 | 0.0445 | -0.520144497 | count | 1 |
| CAVIN3 | -0.4194997 | 0.367096 | -1.1428 | 0.253 | -0.520142225 | count | 1 |
| C19orf24 | -0.3717063 | 0.0969435 | -3.8343 | 0.000129 | -0.520103105 | count | 1 |
| ZFYVE16 | -0.3686596 | 0.1114637 | -3.3074 | 0.000955 | -0.519987328 | count | 1 |
| ZBED4 | -0.5560064 | 0.4191985 | -1.3264 | 0.185 | -0.518820965 | count | 1 |
| NAALADL1 | -0.5205963 | 0.36349 | -1.4322 | 0.152 | -0.518384451 | count | 1 |
| FBLN5 | -1.616697 | 1.0669071 | -1.5153 | 0.13 | -0.518081095 | count | 1 |
| CCRL2 | -0.4025613 | 0.2094275 | -1.9222 | 0.0547 | -0.517839711 | count | 1 |
| TOX | -0.9915858 | 2.3457591 | -0.4227 | 0.673 | -0.517728106 | count | 1 |
| ZNF530 | -0.9915858 | 1.1473285 | -0.8643 | 0.388 | -0.517728106 | count | 1 |
| MCRIP2 | -0.37495 | 0.1558857 | -2.4053 | 0.0162 | -0.516945553 | count | 1 |
| KBTBD8 | -0.4168565 | 0.1952842 | -2.1346 | 0.0329 | -0.516175206 | count | 1 |
| VAV3-AS1 | -1.1885926 | 2.3845318 | -0.4985 | 0.618 | -0.516030351 | count | 1 |
| SIRT2 | -0.3905096 | 0.1502895 | -2.5984 | 0.00942 | -0.515927667 | count | 1 |
| SNCG | -1.3458762 | 1.2245581 | -1.0991 | 0.272 | -0.514698283 | count | 1 |
| TARS | -0.4024041 | 0.1634584 | -2.4618 | 0.0139 | -0.514394274 | count | 1 |
| BRPF1 | -0.53758 | 0.3542475 | -1.5175 | 0.129 | -0.514218764 | count | 1 |
| DDX39A | -0.3748748 | 0.1325685 | -2.8278 | 0.00473 | -0.512769177 | count | 1 |
| STIMATE | -0.6578614 | 0.4924122 | -1.336 | 0.182 | -0.512456177 | count | 1 |
| TNFRSF21 | -0.4308701 | 0.254888 | -1.6904 | 0.0911 | -0.512149992 | count | 1 |
| UBN1 | -0.3758247 | 0.1551002 | -2.4231 | 0.0155 | -0.51178541 | count | 1 |
| OTUD6B | -0.5045825 | 0.2913619 | -1.7318 | 0.0834 | -0.511743785 | count | 1 |
| KLHL5 | -0.3882699 | 0.1730963 | -2.2431 | 0.025 | -0.51027621 | count | 1 |
| PSD4 | -0.4816002 | 0.3776475 | -1.2753 | 0.202 | -0.510270468 | count | 1 |
| PCBD2 | -0.5212641 | 0.3343357 | -1.5591 | 0.119 | -0.509759803 | count | 1 |
| CCDC71L | -0.3834421 | 0.1976375 | -1.9401 | 0.0525 | -0.508900002 | count | 1 |
| KNOP1 | -0.4186671 | 0.2209491 | -1.8949 | 0.0582 | -0.508818565 | count | 1 |
| CHST2 | -0.5094861 | 0.4143691 | -1.2295 | 0.219 | -0.508047462 | count | 1 |
| CIITA | -0.4171252 | 0.1792677 | -2.3268 | 0.0201 | -0.506995865 | count | 1 |
| PKD2L1 | -0.6195134 | 0.6752816 | -0.9174 | 0.359 | -0.50696431 | count | 1 |
| GPRC5D-AS1 | -0.6195134 | 0.5731599 | -1.0809 | 0.28 | -0.50696431 | count | 1 |
| ZFAND6 | -0.3615586 | 0.1085474 | -3.3309 | 0.000879 | -0.506704745 | count | 1 |
| PBDC1 | -0.3702629 | 0.1419513 | -2.6084 | 0.00915 | -0.506321969 | count | 1 |
| MTPAP | -0.4364186 | 0.3823389 | -1.1414 | 0.254 | -0.506011323 | count | 1 |
| RWDD2A | -1.5464309 | 1.0728809 | -1.4414 | 0.15 | -0.505922498 | count | 1 |
| TCEANC | -1.9759803 | 1.3867231 | -1.4249 | 0.154 | -0.505918806 | count | 1 |
| IL1R1 | -0.3979108 | 0.3137224 | -1.2684 | 0.205 | -0.505735003 | count | 1 |
| JRK | -0.8949658 | 0.8532765 | -1.0489 | 0.294 | -0.505121345 | count | 1 |
| ADAT3 | -1.039923 | 0.8037608 | -1.2938 | 0.196 | -0.504436148 | count | 1 |
| TTC19 | -0.3833538 | 0.229353 | -1.6715 | 0.0948 | -0.503906922 | count | 1 |
| PDIA3 | -0.3515017 | 0.0532301 | -6.6034 | 4.91E-11 | -0.503503283 | count | 1.18E-06 |
| AIFM2 | -0.7049633 | 0.5685828 | -1.2399 | 0.215 | -0.503354108 | count | 1 |
| MRNIP | -0.6622419 | 0.3511626 | -1.8859 | 0.0594 | -0.503350243 | count | 1 |
| CDC42EP4 | -0.4956899 | 0.3472859 | -1.4273 | 0.154 | -0.50327634 | count | 1 |
| FPR3 | -0.3711255 | 0.1182421 | -3.1387 | 0.00172 | -0.502807655 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|-------------|
| MICA | -0.5441871 | 0.3805128 | -1.4301 | 0.153 | -0.502605914 | count | 1 |
| RENBP | -0.4007102 | 0.1833575 | -2.1854 | 0.029 | -0.502193744 | count | 1 |
| MCU | -0.5992773 | 0.7185757 | -0.834 | 0.404 | -0.50150508 | count | 1 |
| SEC61G | -0.3508489 | 0.0678511 | -5.1709 | 2.52E-07 | -0.501413713 | count | 0.006015492 |
| MEX3D | -0.7272215 | 0.5900398 | -1.2325 | 0.218 | -0.501122328 | count | 1 |
| SCOC-AS1 | -1.5156768 | 1.274371 | -1.1894 | 0.234 | -0.500373229 | count | 1 |
| ATP1B3 | -0.3513097 | 0.0618912 | -5.6762 | 1.54E-08 | -0.500155655 | count | 0.000369184 |
| DVL3 | -0.4535645 | 0.3421885 | -1.3255 | 0.185 | -0.500064735 | count | 1 |
| ARMCX6 | -0.386349 | 0.1625096 | -2.3774 | 0.0175 | -0.499772575 | count | 1 |
| ARSK | -1.2822843 | 0.8142992 | -1.5747 | 0.115 | -0.49942249 | count | 1 |
| AKR1A1 | -0.3509019 | 0.0643333 | -5.4544 | 5.40E-08 | -0.498981641 | count | 0.001292058 |
| MARCKS | -0.3471321 | 0.0542609 | -6.3975 | 1.89E-10 | -0.498176333 | count | 4.55E-06 |
| NMNAT1 | -0.5254881 | 0.4122228 | -1.2748 | 0.203 | -0.498133965 | count | 1 |
| PELO | -0.3919545 | 0.3105965 | -1.2619 | 0.207 | -0.497788656 | count | 1 |
| SDCCAG8 | -0.360535 | 0.1339409 | -2.6917 | 0.00716 | -0.497596104 | count | 1 |
| SASH1 | -0.4098529 | 0.2231241 | -1.8369 | 0.0663 | -0.497442084 | count | 1 |
| PHLDA2 | -0.3607555 | 0.1683361 | -2.1431 | 0.0322 | -0.497167092 | count | 1 |
| CAPN10 | -0.485034 | 0.4419853 | -1.0974 | 0.273 | -0.496848484 | count | 1 |
| SDE2 | -0.377942 | 0.1456507 | -2.5949 | 0.00952 | -0.496610224 | count | 1 |
| POP4 | -0.3689014 | 0.1657815 | -2.2252 | 0.0262 | -0.496388784 | count | 1 |
| AC021016.3 | -0.6711897 | 0.9128857 | -0.7352 | 0.462 | -0.496310574 | count | 1 |
| TP53BP1 | -0.4277009 | 0.4813226 | -0.8886 | 0.374 | -0.496255309 | count | 1 |
| PTGS1 | -0.3983096 | 0.1811806 | -2.1984 | 0.028 | -0.495902135 | count | 1 |
| C12orf45 | -0.3713755 | 0.225256 | -1.6487 | 0.0993 | -0.495601586 | count | 1 |
| CCDC107 | -0.3541346 | 0.0982929 | -3.6028 | 0.000321 | -0.495503191 | count | 1 |
| NDUFAF6 | -0.5222225 | 0.3555445 | -1.4688 | 0.142 | -0.49526789 | count | 1 |
| PLEK2 | -0.5219671 | 0.3014108 | -1.7317 | 0.0834 | -0.495043608 | count | 1 |
| LRRC42 | -0.4353824 | 0.3094657 | -1.4069 | 0.16 | -0.494833367 | count | 1 |
| CENPW | -0.3866723 | 0.2083458 | -1.8559 | 0.0636 | -0.494651398 | count | 1 |
| CTSH | -0.3454491 | 0.048704 | -7.0928 | 1.71E-12 | -0.494483325 | count | 4.13E-08 |
| CCDC88A | -0.3482813 | 0.0954972 | -3.647 | 0.000271 | -0.494123712 | count | 1 |
| MRPL20 | -0.3484089 | 0.0806247 | -4.3214 | 1.61E-05 | -0.493870386 | count | 0.3809582 |
| C1QB | -0.3426769 | 0.083663 | -4.0959 | 4.34E-05 | -0.493462352 | count | 1 |
| ARL3 | -0.3629832 | 0.1602857 | -2.2646 | 0.0236 | -0.493098565 | count | 1 |
| AC005838.2 | -0.7762649 | 1.067219 | -0.7274 | 0.467 | -0.492631654 | count | 1 |
| PABPC4 | -0.3523134 | 0.0890466 | -3.9565 | 7.82E-05 | -0.492331089 | count | 1 |
| MRPL39 | -0.4437351 | 0.3399789 | -1.3052 | 0.192 | -0.491913959 | count | 1 |
| TEX2 | -0.4693115 | 0.3947606 | -1.1889 | 0.235 | -0.49175018 | count | 1 |
| FKBP14 | -0.6857541 | 0.4631627 | -1.4806 | 0.139 | -0.491595857 | count | 1 |
| SKIL | -0.3505934 | 0.0900647 | -3.8927 | 0.000102 | -0.491588579 | count | 1 |
| NETO2 | -0.45177 | 0.2468578 | -1.8301 | 0.0674 | -0.490965539 | count | 1 |
| C11orf45 | -0.6432168 | 0.6525553 | -0.9857 | 0.324 | -0.490705641 | count | 1 |
| AC008736.1 | -0.5969651 | 0.9098846 | -0.6561 | 0.512 | -0.490482448 | count | 1 |
| NUDT9 | -0.3886533 | 0.243034 | -1.5992 | 0.11 | -0.490393983 | count | 1 |
| AC008741.2 | -0.8123556 | 0.9515252 | -0.8537 | 0.393 | -0.490291795 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|-------------|
| DNAJB6 | -0.3451935 | 0.0692536 | -4.9845 | 6.65E-07 | -0.489895886 | count | 0.015848945 |
| SMIM4 | -0.3645492 | 0.1598998 | -2.2799 | 0.0227 | -0.489629665 | count | 1 |
| TIGD5 | -0.5216162 | 0.4771811 | -1.0931 | 0.274 | -0.48917839 | count | 1 |
| PFKP | -0.404491 | 0.2715953 | -1.4893 | 0.137 | -0.489173357 | count | 1 |
| TXNRD1 | -0.3558898 | 0.1325927 | -2.6841 | 0.00732 | -0.489145239 | count | 1 |
| KCNMB4 | -0.4938101 | 0.3537626 | -1.3959 | 0.163 | -0.489125707 | count | 1 |
| AL355075.4 | -0.5941173 | 0.411296 | -1.4445 | 0.149 | -0.488389501 | count | 1 |
| AC005261.1 | -0.5939994 | 0.4959199 | -1.1978 | 0.231 | -0.488302794 | count | 1 |
| PIK3R5 | -0.3883937 | 0.2473387 | -1.5703 | 0.116 | -0.487083404 | count | 1 |
| IRF8 | -0.3550617 | 0.0946098 | -3.7529 | 0.000179 | -0.486907445 | count | 1 |
| SLC17A5 | -0.3815199 | 0.228009 | -1.6733 | 0.0944 | -0.486768383 | count | 1 |
| NANS | -0.3439715 | 0.0748049 | -4.5982 | 4.48E-06 | -0.486653613 | count | 0.10638208 |
| ISG15 | -0.3427521 | 0.1189704 | -2.881 | 0.004 | -0.48652502 | count | 1 |
| IFI27 | -0.3673755 | 0.5558429 | -0.6609 | 0.509 | -0.486470799 | count | 1 |
| SERINC5 | -0.3660123 | 0.2350385 | -1.5572 | 0.12 | -0.485826862 | count | 1 |
| XCL1 | -0.987404 | 1.3632525 | -0.7243 | 0.469 | -0.485716665 | count | 1 |
| CENPX | -0.3490742 | 0.1186399 | -2.9423 | 0.00329 | -0.484918534 | count | 1 |
| EID2 | -0.388093 | 0.2799849 | -1.3861 | 0.166 | -0.484135056 | count | 1 |
| PALB2 | -0.697948 | 0.5759853 | -1.2117 | 0.226 | -0.483974602 | count | 1 |
| MOAP1 | -0.3785374 | 0.2733534 | -1.3848 | 0.166 | -0.483970295 | count | 1 |
| KHDRBS3 | -1.787629 | 1.0499596 | -1.7026 | 0.0888 | -0.483916938 | count | 1 |
| TMEM138 | -0.381507 | 0.2455802 | -1.5535 | 0.12 | -0.483732514 | count | 1 |
| HTR7 | -1.0807795 | 0.7941724 | -1.3609 | 0.174 | -0.483461713 | count | 1 |
| HIST2H2BF | -0.7245659 | 0.5308491 | -1.3649 | 0.172 | -0.48295464 | count | 1 |
| APOLD1 | -0.5018082 | 0.7328313 | -0.6848 | 0.494 | -0.482392993 | count | 1 |
| ATP6V1H | -0.3662296 | 0.1984827 | -1.8451 | 0.0651 | -0.481427771 | count | 1 |
| EPAS1 | -0.4689015 | 0.2871927 | -1.6327 | 0.103 | -0.48125073 | count | 1 |
| CRELD1 | -0.4020182 | 0.3413003 | -1.1779 | 0.239 | -0.481090207 | count | 1 |
| APOC2 | -1.7629108 | 1.0321437 | -1.708 | 0.0878 | -0.480749588 | count | 1 |
| TRAF2 | -0.5406415 | 0.7285612 | -0.7421 | 0.458 | -0.479812142 | count | 1 |
| TLCD1 | -1.4076315 | 1.1799757 | -1.1929 | 0.233 | -0.479727988 | count | 1 |
| WDR35 | -0.8957151 | 0.6814113 | -1.3145 | 0.189 | -0.479346004 | count | 1 |
| ZNF674-AS1 | -0.8943988 | 0.7984277 | -1.1202 | 0.263 | -0.47880223 | count | 1 |
| MRT04 | -0.361365 | 0.2350037 | -1.5377 | 0.124 | -0.477906125 | count | 1 |
| ENAH | -2.5479935 | 1.4681085 | -1.7356 | 0.0828 | -0.477725344 | count | 1 |
| PGM2L1 | -0.5470442 | 0.3246757 | -1.6849 | 0.0921 | -0.47768015 | count | 1 |
| C19orf47 | -0.8903851 | 0.5108531 | -1.7429 | 0.0815 | -0.477141242 | count | 1 |
| LRRC29 | -1.060533 | 0.5982277 | -1.7728 | 0.0764 | -0.477057566 | count | 1 |
| ACRBP | -0.5289314 | 0.3489445 | -1.5158 | 0.13 | -0.47703248 | count | 1 |
| HSPE1 | -0.334615 | 0.0694597 | -4.8174 | 1.54E-06 | -0.476633105 | count | 0.036652 |
| REXO1 | -0.4113127 | 0.2619256 | -1.5703 | 0.116 | -0.476402833 | count | 1 |
| GNPDA2 | -0.8876785 | 0.6082341 | -1.4594 | 0.145 | -0.476018797 | count | 1 |
| PVR | -0.7440302 | 0.6088014 | -1.2221 | 0.222 | -0.475666379 | count | 1 |
| LYRM4 | -0.3972765 | 0.2162653 | -1.837 | 0.0663 | -0.475574216 | count | 1 |
| NUDT3 | -0.3627375 | 0.1518708 | -2.3885 | 0.017 | -0.475502739 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|----------|
| PLD3 | -0.333475 | 0.08157 | -4.0882 | 4.49E-05 | -0.475281984 | count | 1 |
| LY6G5B | -1.054179 | 1.3443664 | -0.7841 | 0.433 | -0.475028673 | count | 1 |
| LCA5 | -1.054179 | 1.1762207 | -0.8962 | 0.37 | -0.475028673 | count | 1 |
| SLC44A1 | -0.3860382 | 0.1915182 | -2.0157 | 0.0439 | -0.474349795 | count | 1 |
| RCC1L | -0.5334017 | 0.305733 | -1.7447 | 0.0812 | -0.473929701 | count | 1 |
| DIXDC1 | -0.8822563 | 0.9424623 | -0.9361 | 0.349 | -0.473764253 | count | 1 |
| CPNE2 | -0.3706202 | 0.2046326 | -1.8111 | 0.0702 | -0.473568853 | count | 1 |
| NDUFAF3 | -0.3357155 | 0.0815717 | -4.1156 | 3.99E-05 | -0.473553031 | count | 0.940842 |
| UAP1 | -0.4143642 | 0.285725 | -1.4502 | 0.147 | -0.47349762 | count | 1 |
| HSP90AB1 | -0.3290625 | 0.0415496 | -7.9197 | 3.58E-15 | -0.473492172 | count | 8.66E-11 |
| FNDC3B | -0.3420124 | 0.1508065 | -2.2679 | 0.0234 | -0.472947785 | count | 1 |
| C10orf55 | -1.0464725 | 0.7377831 | -1.4184 | 0.156 | -0.472555556 | count | 1 |
| ZNF549 | -1.0464725 | 1.4620126 | -0.7158 | 0.474 | -0.472555556 | count | 1 |
| ZMYND19 | -0.5998559 | 0.53456 | -1.1221 | 0.262 | -0.472410044 | count | 1 |
| TUBB2A | -0.350031 | 0.1717497 | -2.038 | 0.0417 | -0.471972712 | count | 1 |
| BLOC1S6 | -0.3425794 | 0.1030938 | -3.323 | 0.000904 | -0.471880642 | count | 1 |
| SCAANT1 | -1.3683755 | 1.1666379 | -1.1729 | 0.241 | -0.471766992 | count | 1 |
| PTPMT1 | -0.3608212 | 0.2274362 | -1.5865 | 0.113 | -0.471551642 | count | 1 |
| SLC25A19 | -0.3481661 | 0.1879003 | -1.8529 | 0.064 | -0.471480661 | count | 1 |
| VDR | -0.4281313 | 0.3005138 | -1.4247 | 0.154 | -0.470993355 | count | 1 |
| NOL4L | -0.5468576 | 0.4102039 | -1.3331 | 0.183 | -0.46985093 | count | 1 |
| AP1S1 | -0.3531219 | 0.1682473 | -2.0988 | 0.0359 | -0.469544462 | count | 1 |
| CD68 | -0.3262385 | 0.0425461 | -7.6679 | 2.50E-14 | -0.469527959 | count | 6.04E-10 |
| UBASH3B | -0.409139 | 0.349883 | -1.1694 | 0.242 | -0.467735542 | count | 1 |
| ATP13A3 | -0.334516 | 0.1312888 | -2.5479 | 0.0109 | -0.467536557 | count | 1 |
| IDH2 | -0.3374664 | 0.1177848 | -2.8651 | 0.0042 | -0.467237867 | count | 1 |
| ZFYVE28 | -0.4745886 | 0.4896532 | -0.9692 | 0.333 | -0.466988629 | count | 1 |
| TMEM176A | -0.3284814 | 0.0846957 | -3.8784 | 0.000108 | -0.465593619 | count | 1 |
| ISCA2 | -0.3467695 | 0.1773788 | -1.955 | 0.0507 | -0.465187523 | count | 1 |
| AFG1L | -0.930916 | 0.7963835 | -1.1689 | 0.243 | -0.464823484 | count | 1 |
| ZNF618 | -0.487194 | 0.3483521 | -1.3986 | 0.162 | -0.464328146 | count | 1 |
| BET1L | -0.3861318 | 0.2280981 | -1.6928 | 0.0906 | -0.46362583 | count | 1 |
| C15orf40 | -0.3505799 | 0.1901473 | -1.8437 | 0.0653 | -0.463582221 | count | 1 |
| GPR160 | -0.4145484 | 0.2956427 | -1.4022 | 0.161 | -0.462832847 | count | 1 |
| RANBP1 | -0.3303079 | 0.0946703 | -3.489 | 0.000493 | -0.462385703 | count | 1 |
| SPIRE1 | -0.3741669 | 0.2628273 | -1.4236 | 0.155 | -0.462342283 | count | 1 |
| TPX2 | -1.0134535 | 0.8320724 | -1.218 | 0.223 | -0.46180551 | count | 1 |
| IGHA1 | -0.6178891 | 0.2462025 | -2.5097 | 0.0121 | -0.461771842 | count | 1 |
| HPS5 | -0.3687229 | 0.1729498 | -2.132 | 0.0331 | -0.461091071 | count | 1 |
| MPP1 | -0.3243011 | 0.0932655 | -3.4772 | 0.000516 | -0.460108672 | count | 1 |
| EREG | -0.3215341 | 0.1354334 | -2.3741 | 0.0177 | -0.45999688 | count | 1 |
| AC068025.2 | -0.8483704 | 2.0996845 | -0.404 | 0.686 | -0.459497312 | count | 1 |
| CKM | -0.8483704 | 1.0629205 | -0.7982 | 0.425 | -0.459497312 | count | 1 |
| LRP12 | -0.3974782 | 0.3867413 | -1.0278 | 0.304 | -0.459442971 | count | 1 |
| TRAPP2B | -0.3468884 | 0.209538 | -1.6555 | 0.098 | -0.459437694 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|-------------|
| SNX24 | -0.3607888 | 0.2243069 | -1.6085 | 0.108 | -0.459385061 | count | 1 |
| AC067852.2 | -0.7498732 | 0.6320785 | -1.1864 | 0.236 | -0.459300905 | count | 1 |
| HSPA4 | -0.3355809 | 0.1307922 | -2.5658 | 0.0104 | -0.459235703 | count | 1 |
| WASHC3 | -0.3377255 | 0.1293261 | -2.6114 | 0.00907 | -0.459172106 | count | 1 |
| RER1 | -0.3231998 | 0.0696359 | -4.6413 | 3.64E-06 | -0.458877783 | count | 0.08647912 |
| HMCN1 | -0.9150718 | 2.311036 | -0.396 | 0.692 | -0.458820018 | count | 1 |
| AC098487.1 | -0.9150718 | 1.067018 | -0.8576 | 0.391 | -0.458820018 | count | 1 |
| PEX11A | -0.9150718 | 1.0957561 | -0.8351 | 0.404 | -0.458820018 | count | 1 |
| AC078850.1 | -0.654661 | 0.8787866 | -0.745 | 0.456 | -0.458137228 | count | 1 |
| BEND3 | -1.1231883 | 1.173751 | -0.9569 | 0.339 | -0.457782135 | count | 1 |
| TMEM234 | -0.4000652 | 0.3046643 | -1.3131 | 0.189 | -0.457715299 | count | 1 |
| MMP24OS | -0.3224312 | 0.0879336 | -3.6668 | 0.000251 | -0.457587601 | count | 1 |
| DPP3 | -0.4266069 | 0.2621099 | -1.6276 | 0.104 | -0.457360509 | count | 1 |
| RBAK | -1.300036 | 0.7605444 | -1.7093 | 0.0875 | -0.457297286 | count | 1 |
| ANKRD22 | -0.5641619 | 0.283213 | -1.992 | 0.0465 | -0.456986567 | count | 1 |
| CIB1 | -0.3203965 | 0.0591092 | -5.4204 | 6.53E-08 | -0.456960518 | count | 0.001562041 |
| OSER1 | -0.3309245 | 0.113969 | -2.9036 | 0.00372 | -0.456732567 | count | 1 |
| ANKS6 | -0.652141 | 0.8275058 | -0.7881 | 0.431 | -0.456615396 | count | 1 |
| GNA12 | -0.3499208 | 0.3272689 | -1.0692 | 0.285 | -0.456294268 | count | 1 |
| E2F6 | -0.4724257 | 0.4383698 | -1.0777 | 0.281 | -0.45597384 | count | 1 |
| POMGNT1 | -0.4626356 | 0.4518177 | -1.0239 | 0.306 | -0.455936082 | count | 1 |
| NUDT14 | -0.338531 | 0.1713595 | -1.9756 | 0.0483 | -0.455759827 | count | 1 |
| TFIP11 | -0.4249058 | 0.3176617 | -1.3376 | 0.181 | -0.45561831 | count | 1 |
| PRKCH | -0.495576 | 0.3965678 | -1.2497 | 0.212 | -0.455253359 | count | 1 |
| PLIN3 | -0.3221325 | 0.0856736 | -3.76 | 0.000174 | -0.454802595 | count | 1 |
| NELFE | -0.3341461 | 0.1634603 | -2.0442 | 0.041 | -0.454762148 | count | 1 |
| CEBPE | -0.4239487 | 0.425825 | -0.9956 | 0.32 | -0.454637763 | count | 1 |
| PLA2G4C | -0.4709254 | 0.4533751 | -1.0387 | 0.299 | -0.454618184 | count | 1 |
| CA2 | -0.3521328 | 0.2479855 | -1.42 | 0.156 | -0.45436169 | count | 1 |
| MED26 | -0.5605517 | 0.3353924 | -1.6713 | 0.0948 | -0.454356208 | count | 1 |
| GPR82 | -0.6064368 | 0.4475632 | -1.355 | 0.176 | -0.454235582 | count | 1 |
| DCTPP1 | -0.3429907 | 0.1659829 | -2.0664 | 0.0389 | -0.453890205 | count | 1 |
| RNASSET2 | -0.3158552 | 0.0461088 | -6.8502 | 9.29E-12 | -0.453846197 | count | 2.24E-07 |
| MIR181A1HG | -0.3399782 | 0.1598349 | -2.1271 | 0.0335 | -0.453777777 | count | 1 |
| MYL6B | -0.3540661 | 0.2221244 | -1.594 | 0.111 | -0.453624928 | count | 1 |
| ZNF506 | -0.3821119 | 0.3759532 | -1.0164 | 0.31 | -0.45358474 | count | 1 |
| CCNYL1 | -0.372495 | 0.2465241 | -1.511 | 0.131 | -0.452325068 | count | 1 |
| KDEL2 | -0.3179408 | 0.0729304 | -4.3595 | 1.36E-05 | -0.452216873 | count | 0.32198 |
| FUOM | -0.3191923 | 0.0995194 | -3.2073 | 0.00136 | -0.452000109 | count | 1 |
| GATC | -0.4987064 | 0.3831823 | -1.3015 | 0.193 | -0.451861158 | count | 1 |
| CD36 | -0.3142736 | 0.0967791 | -3.2473 | 0.00118 | -0.451774435 | count | 1 |
| PPP1R3D | -0.4448509 | 0.4617438 | -0.9634 | 0.335 | -0.450906631 | count | 1 |
| RPF1 | -0.3778637 | 0.2711556 | -1.3935 | 0.164 | -0.450861953 | count | 1 |
| RAP2B | -0.3213345 | 0.0985638 | -3.2602 | 0.00113 | -0.450832772 | count | 1 |
| TMEM135 | -0.5835535 | 0.5411657 | -1.0783 | 0.281 | -0.45031879 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|----------|--------------|-------|-------------|
| TMIGD3 | -0.4027924 | 0.3403401 | -1.1835 | 0.237 | -0.450196573 | count | 1 |
| ACP2 | -0.3461049 | 0.1992265 | -1.7372 | 0.0825 | -0.45013453 | count | 1 |
| HS3ST3B1 | -0.9784295 | 0.4716139 | -2.0746 | 0.0381 | -0.450127581 | count | 1 |
| CAMSAP1 | -0.3724924 | 0.2673783 | -1.3931 | 0.164 | -0.44958897 | count | 1 |
| MYLPF | -0.8878241 | 1.2348085 | -0.719 | 0.472 | -0.448347563 | count | 1 |
| IQCG | -0.400772 | 0.3678426 | -1.0895 | 0.276 | -0.448021694 | count | 1 |
| FAM129A | -0.32648 | 0.1091059 | -2.9923 | 0.0028 | -0.447970973 | count | 1 |
| FCGR1A | -0.3140774 | 0.0756376 | -4.1524 | 3.40E-05 | -0.447868952 | count | 0.802298 |
| COPB2 | -0.3249452 | 0.1173889 | -2.7681 | 0.00568 | -0.447545044 | count | 1 |
| NAA50 | -0.3253798 | 0.139138 | -2.3385 | 0.0194 | -0.447406288 | count | 1 |
| PIM3 | -0.3134667 | 0.0739725 | -4.2376 | 2.34E-05 | -0.446857164 | count | 0.5529186 |
| HSP90B1 | -0.3109503 | 0.0604523 | -5.1437 | 2.91E-07 | -0.446825159 | count | 0.006945006 |
| AC127070.1 | -0.9682995 | 0.954605 | -1.0143 | 0.311 | -0.446696631 | count | 1 |
| ZNF235 | -0.9682995 | 1.2085645 | -0.8012 | 0.423 | -0.446696631 | count | 1 |
| ANKRD54 | -0.5269335 | 0.4722492 | -1.1158 | 0.265 | -0.446458292 | count | 1 |
| KCNK13 | -0.4921882 | 0.4678887 | -1.0519 | 0.293 | -0.446396939 | count | 1 |
| NDUFAF4 | -0.3560477 | 0.2456589 | -1.4494 | 0.147 | -0.44613848 | count | 1 |
| SORD | -0.4435904 | 0.3397696 | -1.3056 | 0.192 | -0.446027138 | count | 1 |
| AC245595.1 | -0.484477 | 0.4774163 | -1.0148 | 0.31 | -0.445790574 | count | 1 |
| ENPP4 | -0.4290973 | 0.3434251 | -1.2495 | 0.212 | -0.445634865 | count | 1 |
| SYCE1L | -1.2458785 | 1.1059772 | -1.1265 | 0.26 | -0.445261956 | count | 1 |
| RAB20 | -0.3145638 | 0.0768657 | -4.0924 | 4.41E-05 | -0.445172739 | count | 1 |
| AC010864.1 | -0.7216188 | 0.7691095 | -0.9383 | 0.348 | -0.444916223 | count | 1 |
| SMARCAL1 | -0.4653078 | 0.3465582 | -1.3427 | 0.18 | -0.444815636 | count | 1 |
| AL391069.2 | -1.0764158 | 0.6055058 | -1.7777 | 0.0756 | -0.444567521 | count | 1 |
| FLT1 | -0.3368817 | 0.2201265 | -1.5304 | 0.126 | -0.444531406 | count | 1 |
| TTC3 | -0.326014 | 0.1205575 | -2.7042 | 0.00689 | -0.444269659 | count | 1 |
| ARMC6 | -0.4499771 | 0.4252134 | -1.0582 | 0.29 | -0.44418751 | count | 1 |
| PAQR8 | -0.6309157 | 0.4472211 | -1.4107 | 0.158 | -0.443720577 | count | 1 |
| PGBD5 | -1.5068881 | 1.0095561 | -1.4926 | 0.136 | -0.443656888 | count | 1 |
| NIPAL2 | -0.4955629 | 0.4806682 | -1.031 | 0.303 | -0.44292682 | count | 1 |
| RBFA | -0.3565565 | 0.2484007 | -1.4354 | 0.151 | -0.44239108 | count | 1 |
| SPAG16 | -0.6284412 | 0.7435475 | -0.8452 | 0.398 | -0.442208299 | count | 1 |
| CD80 | -1.231848 | 0.4862684 | -2.5333 | 0.0114 | -0.442059719 | count | 1 |
| EMSY | -0.4048521 | 0.287508 | -1.4081 | 0.159 | -0.4420591 | count | 1 |
| NFRKB | -0.4221967 | 0.4112286 | -1.0267 | 0.305 | -0.441817715 | count | 1 |
| RBX1 | -0.3101687 | 0.0629626 | -4.9262 | 8.94E-07 | -0.441395051 | count | 0.02129955 |
| DNAAF5 | -1.0651953 | 0.6649016 | -1.602 | 0.109 | -0.441329403 | count | 1 |
| EMG1 | -0.3505923 | 0.2000726 | -1.7523 | 0.0798 | -0.441114943 | count | 1 |
| KCTD10 | -0.387921 | 0.4389027 | -0.8838 | 0.377 | -0.441092621 | count | 1 |
| UHRF1 | -18.288248 | 1887.960737 | -0.0097 | 0.992 | -0.44091196 | count | 1 |
| CCDC183 | -18.120875 | 2241.094188 | -0.0081 | 0.994 | -0.440911958 | count | 1 |
| TNFRSF11B | -17.89633 | 1724.961797 | -0.0104 | 0.992 | -0.440911957 | count | 1 |
| AL645608.8 | -17.627232 | 1501.103572 | -0.0117 | 0.991 | -0.440911954 | count | 1 |
| AC118553.1 | -17.261135 | 3456.82378 | -0.005 | 0.996 | -0.440911949 | count | 1 |

| | | | | | | | |
|---------------|-------------|-------------|---------|-------|--------------|-------|---|
| KLRD1 | -17.260956 | 2792.052847 | -0.0062 | 0.995 | -0.440911949 | count | 1 |
| HIST1H1A | -17.260782 | 2242.034839 | -0.0077 | 0.994 | -0.440911949 | count | 1 |
| ZNF286A | -17.260782 | 2242.034839 | -0.0077 | 0.994 | -0.440911949 | count | 1 |
| ADNP-AS1 | -17.260782 | 2242.034839 | -0.0077 | 0.994 | -0.440911949 | count | 1 |
| RAB11FIP5 | -17.260647 | 1908.530744 | -0.009 | 0.993 | -0.440911949 | count | 1 |
| AGBL3 | -17.260647 | 1908.530744 | -0.009 | 0.993 | -0.440911949 | count | 1 |
| PNMA6A | -17.260647 | 1908.530744 | -0.009 | 0.993 | -0.440911949 | count | 1 |
| MMP8 | -17.260647 | 1908.530744 | -0.009 | 0.993 | -0.440911949 | count | 1 |
| ZNF670-ZNF695 | -17.092317 | 4936.997261 | -0.0035 | 0.997 | -0.440911946 | count | 1 |
| GRIA2 | -17.092317 | 4936.997261 | -0.0035 | 0.997 | -0.440911946 | count | 1 |
| UPK2 | -17.092317 | 4936.997261 | -0.0035 | 0.997 | -0.440911946 | count | 1 |
| RHOJ | -17.092317 | 4936.997261 | -0.0035 | 0.997 | -0.440911946 | count | 1 |
| AL358472.3 | -17.091438 | 3900.277613 | -0.0044 | 0.997 | -0.440911946 | count | 1 |
| PXDN | -17.091438 | 3900.277613 | -0.0044 | 0.997 | -0.440911946 | count | 1 |
| AOX1 | -17.091438 | 3900.277613 | -0.0044 | 0.997 | -0.440911946 | count | 1 |
| LINC02541 | -17.091438 | 3900.277613 | -0.0044 | 0.997 | -0.440911946 | count | 1 |
| AP000919.2 | -17.091438 | 3900.277613 | -0.0044 | 0.997 | -0.440911946 | count | 1 |
| FNDC5 | -17.090688 | 3018.567076 | -0.0057 | 0.995 | -0.440911946 | count | 1 |
| C1orf74 | -17.090688 | 3018.567076 | -0.0057 | 0.995 | -0.440911946 | count | 1 |
| AL109615.3 | -17.090688 | 3018.567076 | -0.0057 | 0.995 | -0.440911946 | count | 1 |
| AP003419.2 | -17.090688 | 3018.567076 | -0.0057 | 0.995 | -0.440911946 | count | 1 |
| NCAM1 | -17.090688 | 3018.567076 | -0.0057 | 0.995 | -0.440911946 | count | 1 |
| AC010186.1 | -17.090688 | 3018.567076 | -0.0057 | 0.995 | -0.440911946 | count | 1 |
| CEP170B | -17.090688 | 3018.567076 | -0.0057 | 0.995 | -0.440911946 | count | 1 |
| RBFOX1 | -17.090688 | 3018.567076 | -0.0057 | 0.995 | -0.440911946 | count | 1 |
| LINC02139 | -17.090688 | 3018.567076 | -0.0057 | 0.995 | -0.440911946 | count | 1 |
| EPHA2 | -17.090158 | 2462.524239 | -0.0069 | 0.994 | -0.440911946 | count | 1 |
| WNT5A | -17.090158 | 2462.524239 | -0.0069 | 0.994 | -0.440911946 | count | 1 |
| PDE5A | -17.090158 | 2462.524239 | -0.0069 | 0.994 | -0.440911946 | count | 1 |
| TAB2-AS1 | -17.090158 | 2462.524239 | -0.0069 | 0.994 | -0.440911946 | count | 1 |
| IGHG4 | -17.090158 | 2462.524239 | -0.0069 | 0.994 | -0.440911946 | count | 1 |
| AC026471.2 | -17.090158 | 2462.524239 | -0.0069 | 0.994 | -0.440911946 | count | 1 |
| FAM83G | -17.090158 | 2462.524239 | -0.0069 | 0.994 | -0.440911946 | count | 1 |
| KRT36 | -17.090158 | 2462.524239 | -0.0069 | 0.994 | -0.440911946 | count | 1 |
| GTSE1 | -17.090158 | 2462.524239 | -0.0069 | 0.994 | -0.440911946 | count | 1 |
| TMPRSS13 | -17.7386298 | 2428.48399 | -0.0073 | 0.994 | -0.440911841 | count | 1 |
| AL136961.1 | -17.7386124 | 2125.354018 | -0.0083 | 0.993 | -0.440911841 | count | 1 |
| MYL4 | -17.7386124 | 2125.354018 | -0.0083 | 0.993 | -0.440911841 | count | 1 |
| AL590428.1 | -17.7380567 | 1905.111185 | -0.0093 | 0.993 | -0.440911841 | count | 1 |
| TCTN2 | -17.7380567 | 1905.111185 | -0.0093 | 0.993 | -0.440911841 | count | 1 |
| SOX18 | -17.7380567 | 1905.111185 | -0.0093 | 0.993 | -0.440911841 | count | 1 |
| ATXN7L2 | -17.7380498 | 2238.068342 | -0.0079 | 0.994 | -0.440911841 | count | 1 |
| HCG25 | -17.4435506 | 2042.538974 | -0.0085 | 0.993 | -0.440911838 | count | 1 |
| AL031777.3 | -17.4239365 | 1776.626022 | -0.0098 | 0.992 | -0.440911837 | count | 1 |
| AGMAT | -16.9702505 | 1468.674279 | -0.0116 | 0.991 | -0.440911829 | count | 1 |

| | | | | | | | |
|------------|-------------|-------------|---------|----------|--------------|-------|------------|
| PANO1 | -16.9702505 | 1468.674279 | -0.0116 | 0.991 | -0.440911829 | count | 1 |
| AC018761.3 | -16.7657804 | 2023.615166 | -0.0083 | 0.993 | -0.440911824 | count | 1 |
| FCRLA | -16.7655341 | 1698.50873 | -0.0099 | 0.992 | -0.440911824 | count | 1 |
| AC008040.1 | -16.7655341 | 1698.50873 | -0.0099 | 0.992 | -0.440911824 | count | 1 |
| KLF1 | -16.7655341 | 1698.50873 | -0.0099 | 0.992 | -0.440911824 | count | 1 |
| AL109811.2 | -16.5853428 | 1797.066808 | -0.0092 | 0.993 | -0.440911819 | count | 1 |
| TINAGL1 | -16.5853285 | 1273.438624 | -0.013 | 0.99 | -0.440911819 | count | 1 |
| CACNA2D3 | -0.3874433 | 0.2459974 | -1.575 | 0.115 | -0.440567616 | count | 1 |
| MICALL1 | -0.5006242 | 0.6136456 | -0.8158 | 0.415 | -0.440421059 | count | 1 |
| DDHD1 | -0.342077 | 0.214055 | -1.5981 | 0.11 | -0.440085097 | count | 1 |
| RPS27L | -0.3074478 | 0.0651096 | -4.722 | 2.47E-06 | -0.439690566 | count | 0.05872672 |
| ARSG | -0.4107471 | 0.2712138 | -1.5145 | 0.13 | -0.438548401 | count | 1 |
| IFIT5 | -0.498303 | 0.4066685 | -1.2253 | 0.221 | -0.438540789 | count | 1 |
| PMM2 | -0.353372 | 0.2367686 | -1.4925 | 0.136 | -0.438519565 | count | 1 |
| MYL5 | -0.4898781 | 0.3537614 | -1.3848 | 0.166 | -0.438231789 | count | 1 |
| PPAT | -0.4898781 | 0.3909387 | -1.2531 | 0.21 | -0.438231789 | count | 1 |
| KHDC4 | -0.4314786 | 0.3058455 | -1.4108 | 0.158 | -0.438061536 | count | 1 |
| GTF3C6 | -0.3096714 | 0.0842582 | -3.6753 | 0.000243 | -0.437364332 | count | 1 |
| FKBP4 | -0.3348933 | 0.1597404 | -2.0965 | 0.0361 | -0.437247447 | count | 1 |
| PHLDB1 | -0.5992612 | 0.5744951 | -1.0431 | 0.297 | -0.437239297 | count | 1 |
| ELK3 | -0.3327325 | 0.2031018 | -1.6383 | 0.101 | -0.437172924 | count | 1 |
| NME1 | -0.3158516 | 0.1289804 | -2.4488 | 0.0144 | -0.436964569 | count | 1 |
| TIGAR | -0.3287676 | 0.1667959 | -1.9711 | 0.0488 | -0.4369193 | count | 1 |
| AVPI1 | -0.3150025 | 0.150406 | -2.0943 | 0.0363 | -0.436677431 | count | 1 |
| PDZD11 | -0.3411541 | 0.2099008 | -1.6253 | 0.104 | -0.436515872 | count | 1 |
| HM13 | -0.3072091 | 0.0671126 | -4.5775 | 4.94E-06 | -0.436028703 | count | 0.11728548 |
| SLC1A3 | -0.3352624 | 0.1534565 | -2.1847 | 0.029 | -0.435910641 | count | 1 |
| CCNJ | -0.561446 | 0.5184263 | -1.083 | 0.279 | -0.43507319 | count | 1 |
| DOCK10 | -0.3182658 | 0.1480976 | -2.149 | 0.0317 | -0.435037304 | count | 1 |
| AVEN | -0.4359183 | 0.391682 | -1.1129 | 0.266 | -0.434983049 | count | 1 |
| AKR7A2 | -0.3152518 | 0.1206967 | -2.6119 | 0.00906 | -0.434934491 | count | 1 |
| B4GALT5 | -0.3492536 | 0.2508867 | -1.3921 | 0.164 | -0.434786878 | count | 1 |
| MRPS7 | -0.3152466 | 0.1259275 | -2.5034 | 0.0124 | -0.434691435 | count | 1 |
| CYTH3 | -0.5767241 | 0.854729 | -0.6747 | 0.5 | -0.434493811 | count | 1 |
| XPO4 | -0.5332319 | 0.4259129 | -1.252 | 0.211 | -0.434320544 | count | 1 |
| ETFB | -0.305693 | 0.0832232 | -3.6732 | 0.000245 | -0.434048503 | count | 1 |
| PAFAH1B3 | -0.3466488 | 0.2215426 | -1.5647 | 0.118 | -0.434005954 | count | 1 |
| GSPT1 | -0.3083961 | 0.0899652 | -3.4279 | 0.000618 | -0.43389978 | count | 1 |
| RASGRF1 | -1.931878 | 1.6332837 | -1.1828 | 0.237 | -0.433147169 | count | 1 |
| HSD17B8 | -0.4833361 | 0.3818609 | -1.2657 | 0.206 | -0.432816824 | count | 1 |
| LSS | -1.035677 | 0.6745309 | -1.5354 | 0.125 | -0.432683587 | count | 1 |
| ZBTB5 | -0.6365315 | 0.9236355 | -0.6892 | 0.491 | -0.432479829 | count | 1 |
| MAK16 | -0.3914766 | 0.3770962 | -1.0381 | 0.299 | -0.432196138 | count | 1 |
| DPH5 | -0.6360445 | 0.372557 | -1.7072 | 0.0879 | -0.432194111 | count | 1 |
| SYNC | -0.4904512 | 0.4070184 | -1.205 | 0.228 | -0.43216844 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|-------------|
| EFL1 | -0.3695727 | 0.346542 | -1.0665 | 0.286 | -0.432072169 | count | 1 |
| SMURF1 | -0.4622233 | 0.4522129 | -1.0221 | 0.307 | -0.432051706 | count | 1 |
| URGCP | -1.188834 | 0.7530256 | -1.5787 | 0.115 | -0.432023022 | count | 1 |
| BOLA3 | -0.3233149 | 0.1903676 | -1.6984 | 0.0896 | -0.43123008 | count | 1 |
| NSMAF | -0.344551 | 0.2500862 | -1.3777 | 0.168 | -0.430257731 | count | 1 |
| LRSAM1 | -0.4875898 | 0.3831088 | -1.2727 | 0.203 | -0.429841587 | count | 1 |
| SMUG1 | -0.3537815 | 0.2958208 | -1.1959 | 0.232 | -0.429275539 | count | 1 |
| B3GNTL1 | -0.4428011 | 0.402934 | -1.0989 | 0.272 | -0.429087013 | count | 1 |
| SOCS7 | -1.0223455 | 0.6442698 | -1.5868 | 0.113 | -0.428717828 | count | 1 |
| FAIM | -0.3523647 | 0.38652 | -0.9116 | 0.362 | -0.428434621 | count | 1 |
| ZDHHC19 | -1.1719536 | 0.7625277 | -1.5369 | 0.124 | -0.427992404 | count | 1 |
| IGLON5 | -0.9133185 | 0.9455847 | -0.9659 | 0.334 | -0.427652813 | count | 1 |
| TAF4B | -1.170077 | 0.6607761 | -1.7708 | 0.0767 | -0.427541171 | count | 1 |
| RBBP9 | -0.5495663 | 0.5229543 | -1.0509 | 0.293 | -0.426818449 | count | 1 |
| PPARD | -0.4159141 | 0.3003574 | -1.3847 | 0.166 | -0.42634982 | count | 1 |
| MAN1B1-DT | -0.5640159 | 0.5395771 | -1.0453 | 0.296 | -0.425967034 | count | 1 |
| LEAP2 | -0.7234447 | 0.586425 | -1.2337 | 0.217 | -0.425750916 | count | 1 |
| TBC1D2 | -0.3504934 | 0.2958438 | -1.1847 | 0.236 | -0.42537594 | count | 1 |
| AARSD1 | -1.010323 | 0.6803496 | -1.485 | 0.138 | -0.425108742 | count | 1 |
| BCKDK | -0.3081033 | 0.1280074 | -2.4069 | 0.0162 | -0.424953972 | count | 1 |
| BTG1 | -0.2949836 | 0.0531914 | -5.5457 | 3.24E-08 | -0.424902061 | count | 0.00077585 |
| UBE2T | -0.8262431 | 0.8290268 | -0.9966 | 0.319 | -0.423982595 | count | 1 |
| PLEKHB2 | -0.3034769 | 0.0858722 | -3.5341 | 0.000417 | -0.42376596 | count | 1 |
| NUDT22 | -0.3115014 | 0.1536485 | -2.0274 | 0.0427 | -0.422966789 | count | 1 |
| NDUFB2 | -0.2951532 | 0.0476208 | -6.198 | 6.69E-10 | -0.422628601 | count | 1.61E-05 |
| PKM | -0.2940801 | 0.0544733 | -5.3986 | 7.36E-08 | -0.421926775 | count | 0.00176007 |
| ELOC | -0.2960305 | 0.0677429 | -4.3699 | 1.29E-05 | -0.421857268 | count | 0.3054978 |
| NSMCE1 | -0.3144812 | 0.1451258 | -2.167 | 0.0303 | -0.421664419 | count | 1 |
| STK39 | -0.5283764 | 0.4303579 | -1.2278 | 0.22 | -0.421620055 | count | 1 |
| IFNAR2 | -0.310547 | 0.1525867 | -2.0352 | 0.0419 | -0.421470526 | count | 1 |
| SLC30A1 | -0.3288985 | 0.2092109 | -1.5721 | 0.116 | -0.421469232 | count | 1 |
| PLAU | -0.3072008 | 0.1703437 | -1.8034 | 0.0714 | -0.420092708 | count | 1 |
| RAN | -0.2934386 | 0.0527355 | -5.5643 | 2.92E-08 | -0.419896471 | count | 0.000699369 |
| IDE | -0.4481141 | 0.4049306 | -1.1066 | 0.269 | -0.419707578 | count | 1 |
| AC008608.2 | -0.6141334 | 0.7560387 | -0.8123 | 0.417 | -0.419264556 | count | 1 |
| DRAM1 | -0.3053526 | 0.1497147 | -2.0396 | 0.0415 | -0.418873644 | count | 1 |
| ST3GAL6 | -0.3271078 | 0.1933478 | -1.6918 | 0.0908 | -0.418812411 | count | 1 |
| PLTP | -0.2935455 | 0.0947136 | -3.0993 | 0.00196 | -0.418638637 | count | 1 |
| PDLIM7 | -0.3247582 | 0.2114164 | -1.5361 | 0.125 | -0.417756285 | count | 1 |
| AC116407.1 | -0.7066058 | 0.9574016 | -0.738 | 0.461 | -0.417513623 | count | 1 |
| FAM49B | -0.2931266 | 0.0537478 | -5.4537 | 5.43E-08 | -0.417102442 | count | 0.001299182 |
| CHI3L2 | -0.5676119 | 0.5957974 | -0.9527 | 0.341 | -0.416773827 | count | 1 |
| LRFN4 | -0.4247576 | 0.4172049 | -1.0181 | 0.309 | -0.416701741 | count | 1 |
| AC093525.7 | -1.7701184 | 1.1387037 | -1.5545 | 0.12 | -0.416675759 | count | 1 |
| KCNQ1OT1 | -0.3356798 | 0.2182993 | -1.5377 | 0.124 | -0.416353197 | count | 1 |

| | | | | | | | |
|--------------|------------|-----------|---------|----------|--------------|-------|-------------|
| TSEN54 | -0.4501709 | 0.4374392 | -1.0291 | 0.304 | -0.416312576 | count | 1 |
| USP54 | -0.9812521 | 2.0542391 | -0.4777 | 0.633 | -0.416252541 | count | 1 |
| TRIM27 | -0.3143788 | 0.1839686 | -1.7089 | 0.0876 | -0.416220529 | count | 1 |
| NDN | -0.3315466 | 0.2616157 | -1.2673 | 0.205 | -0.415979416 | count | 1 |
| CCT6A | -0.2946154 | 0.075642 | -3.8949 | 0.000101 | -0.415520269 | count | 1 |
| PLB1 | -0.3560685 | 0.2464386 | -1.4449 | 0.149 | -0.415492154 | count | 1 |
| HLA-DMB | -0.29143 | 0.0573472 | -5.0819 | 4.02E-07 | -0.415157708 | count | 0.009588906 |
| CDV3 | -0.2897107 | 0.0554342 | -5.2262 | 1.88E-07 | -0.41465108 | count | 0.004490944 |
| EHHADH | -1.1151941 | 1.0310038 | -1.0817 | 0.28 | -0.41405193 | count | 1 |
| BIK | -1.1151941 | 1.0310038 | -1.0817 | 0.28 | -0.41405193 | count | 1 |
| GM2A | -0.3050284 | 0.1558029 | -1.9578 | 0.0504 | -0.413826329 | count | 1 |
| MEGF8 | -0.8007412 | 0.5608848 | -1.4276 | 0.154 | -0.413606921 | count | 1 |
| SLC35B1 | -0.3125089 | 0.165162 | -1.8921 | 0.0586 | -0.413356219 | count | 1 |
| SFXN1 | -0.3611059 | 0.3637235 | -0.9928 | 0.321 | -0.413038708 | count | 1 |
| CGAS | -0.3177572 | 0.1513349 | -2.0997 | 0.0359 | -0.412839153 | count | 1 |
| ZNF501 | -0.6958246 | 1.4253284 | -0.4882 | 0.625 | -0.412197488 | count | 1 |
| AL391834.2 | -0.6958246 | 1.2200215 | -0.5703 | 0.569 | -0.412197488 | count | 1 |
| AC009118.2 | -0.6958246 | 1.4874802 | -0.4678 | 0.64 | -0.412197488 | count | 1 |
| ZNF234 | -0.6589406 | 0.9894285 | -0.666 | 0.505 | -0.412178209 | count | 1 |
| FCHO1 | -0.3805033 | 0.4218072 | -0.9021 | 0.367 | -0.412154548 | count | 1 |
| NRP2 | -0.2933284 | 0.1368291 | -2.1438 | 0.0322 | -0.41197781 | count | 1 |
| PSMD1 | -0.3009999 | 0.126658 | -2.3765 | 0.0176 | -0.410759817 | count | 1 |
| SERPINB9 | -0.2950519 | 0.0977656 | -3.018 | 0.00257 | -0.410539661 | count | 1 |
| PDLIM3 | -0.7929067 | 0.8316436 | -0.9534 | 0.34 | -0.410385538 | count | 1 |
| RAP1GDS1 | -0.3187583 | 0.1991236 | -1.6008 | 0.11 | -0.410145829 | count | 1 |
| SNRNP35 | -0.3093532 | 0.1699253 | -1.8205 | 0.0688 | -0.409836743 | count | 1 |
| TMEM161B-AS1 | -0.4309617 | 0.4206958 | -1.0244 | 0.306 | -0.409372529 | count | 1 |
| SLC25A43 | -0.4549502 | 0.4359429 | -1.0436 | 0.297 | -0.40917367 | count | 1 |
| TADA3 | -0.2996565 | 0.1305194 | -2.2959 | 0.0218 | -0.409107958 | count | 1 |
| TIPARP | -0.2883003 | 0.0829611 | -3.4751 | 0.000519 | -0.40901533 | count | 1 |
| SEL1L3 | -0.622183 | 0.5734188 | -1.085 | 0.278 | -0.40875367 | count | 1 |
| MERTK | -0.3045583 | 0.1897773 | -1.6048 | 0.109 | -0.408620756 | count | 1 |
| B3GALNT2 | -0.3543021 | 0.3139675 | -1.1285 | 0.259 | -0.408295511 | count | 1 |
| AC009948.1 | -0.5378486 | 0.3890436 | -1.3825 | 0.167 | -0.408253353 | count | 1 |
| CXCL3 | -0.2837624 | 0.129887 | -2.1847 | 0.029 | -0.408071816 | count | 1 |
| PSMD14 | -0.2997037 | 0.1387737 | -2.1597 | 0.0309 | -0.407837662 | count | 1 |
| PEX11B | -0.4071331 | 0.3441972 | -1.1828 | 0.237 | -0.407718203 | count | 1 |
| AC112907.3 | -2.847028 | 2.205989 | -1.2906 | 0.197 | -0.407623293 | count | 1 |
| LRRC47 | -0.3936551 | 0.3104563 | -1.268 | 0.205 | -0.407580461 | count | 1 |
| RNF220 | -0.3334197 | 0.2671996 | -1.2478 | 0.212 | -0.407418469 | count | 1 |
| MEA1 | -0.292816 | 0.1211726 | -2.4165 | 0.0157 | -0.406762905 | count | 1 |
| MCUB | -0.2878208 | 0.0920258 | -3.1276 | 0.00178 | -0.406735294 | count | 1 |
| GNL2 | -0.3062292 | 0.1601137 | -1.9126 | 0.0559 | -0.406704052 | count | 1 |
| GMFB | -0.3048872 | 0.1775894 | -1.7168 | 0.0861 | -0.406025064 | count | 1 |
| AL645728.1 | -0.6167473 | 0.492663 | -1.2519 | 0.211 | -0.405665936 | count | 1 |

| | | | | | | | |
|-------------|------------|-----------|---------|----------|--------------|-------|----------|
| NPM3 | -0.3493519 | 0.3092655 | -1.1296 | 0.259 | -0.405375456 | count | 1 |
| RNF115 | -0.3049047 | 0.1554456 | -1.9615 | 0.0499 | -0.405147952 | count | 1 |
| SELENOI | -0.5679816 | 0.4818514 | -1.1787 | 0.239 | -0.404679158 | count | 1 |
| VSIG10L | -0.5325185 | 0.6651922 | -0.8005 | 0.423 | -0.404619468 | count | 1 |
| NAA40 | -0.4560986 | 0.8049838 | -0.5666 | 0.571 | -0.404071454 | count | 1 |
| GNGT2 | -0.4069042 | 0.3062917 | -1.3285 | 0.184 | -0.403878338 | count | 1 |
| REEP6 | -1.6585726 | 1.0499966 | -1.5796 | 0.114 | -0.403865166 | count | 1 |
| PSMC3 | -0.2898021 | 0.1018304 | -2.8459 | 0.00446 | -0.403300861 | count | 1 |
| MLLT1 | -0.4190175 | 0.3204758 | -1.3075 | 0.191 | -0.403094502 | count | 1 |
| MS4A4A | -0.2822435 | 0.0776709 | -3.6338 | 0.000285 | -0.403026441 | count | 1 |
| NFAT5 | -0.3231355 | 0.194264 | -1.6634 | 0.0964 | -0.402853011 | count | 1 |
| SLC30A4 | -1.0711153 | 0.7040519 | -1.5214 | 0.128 | -0.402805656 | count | 1 |
| HAUS6 | -0.3638779 | 0.2717221 | -1.3392 | 0.181 | -0.402777191 | count | 1 |
| AL136987.1 | -0.5298085 | 0.432358 | -1.2254 | 0.221 | -0.402768555 | count | 1 |
| TSPOAP1-AS1 | -0.5862519 | 0.6221713 | -0.9423 | 0.346 | -0.402602784 | count | 1 |
| AL355488.1 | -0.6751085 | 1.1438944 | -0.5902 | 0.555 | -0.401889995 | count | 1 |
| POP7 | -0.3056251 | 0.1918064 | -1.5934 | 0.111 | -0.401714814 | count | 1 |
| AC008083.2 | -0.8407186 | 0.8868602 | -0.948 | 0.343 | -0.401397144 | count | 1 |
| PSMB1 | -0.280511 | 0.0461303 | -6.0808 | 1.38E-09 | -0.401316096 | count | 3.32E-05 |
| WDR83 | -0.4217771 | 0.3413684 | -1.2355 | 0.217 | -0.401154949 | count | 1 |
| MRPL41 | -0.2833793 | 0.0840757 | -3.3705 | 0.000762 | -0.40095479 | count | 1 |
| TPST1 | -0.4600007 | 0.5328063 | -0.8634 | 0.388 | -0.400856207 | count | 1 |
| TRMT5 | -0.4315707 | 0.4002959 | -1.0781 | 0.281 | -0.400186593 | count | 1 |
| DCAF17 | -0.4573297 | 0.4738106 | -0.9652 | 0.335 | -0.398698447 | count | 1 |
| MON1A | -0.7112707 | 0.7847277 | -0.9064 | 0.365 | -0.398614133 | count | 1 |
| AKAP6 | -0.7112707 | 1.6467914 | -0.4319 | 0.666 | -0.398614133 | count | 1 |
| PDHA1 | -0.2940352 | 0.1629068 | -1.8049 | 0.0712 | -0.39860574 | count | 1 |
| YARS | -0.3433256 | 0.2341586 | -1.4662 | 0.143 | -0.398571813 | count | 1 |
| NCEH1 | -0.3055191 | 0.2148387 | -1.4221 | 0.155 | -0.398541456 | count | 1 |
| CTPS2 | -0.7644167 | 0.9243425 | -0.827 | 0.408 | -0.398536274 | count | 1 |
| OTUD3 | -0.6681726 | 0.5603074 | -1.1925 | 0.233 | -0.398411765 | count | 1 |
| ZFAND2A | -0.319003 | 0.1875607 | -1.7008 | 0.0891 | -0.398353145 | count | 1 |
| ADSL | -0.3814159 | 0.3228177 | -1.1815 | 0.238 | -0.398251914 | count | 1 |
| ADCY3 | -0.5230522 | 0.5946684 | -0.8796 | 0.379 | -0.398144242 | count | 1 |
| AC007114.1 | -0.5576143 | 0.6016085 | -0.9269 | 0.354 | -0.398132232 | count | 1 |
| GAPDH | -0.2760971 | 0.0407128 | -6.7816 | 1.48E-11 | -0.398132197 | count | 3.57E-07 |
| LINC01006 | -0.8313193 | 1.4053735 | -0.5915 | 0.554 | -0.397904304 | count | 1 |
| AC073611.1 | -0.3195402 | 0.3143291 | -1.0166 | 0.309 | -0.397875257 | count | 1 |
| AF001548.2 | -1.0521369 | 1.3343025 | -0.7885 | 0.43 | -0.397848177 | count | 1 |
| NAGS | -1.0521369 | 1.0450717 | -1.0068 | 0.314 | -0.397848177 | count | 1 |
| AC025048.4 | -1.0521369 | 1.0450717 | -1.0068 | 0.314 | -0.397848177 | count | 1 |
| HPRT1 | -0.2883409 | 0.1368894 | -2.1064 | 0.0353 | -0.397672767 | count | 1 |
| HSD17B7 | -0.3645909 | 0.3124895 | -1.1667 | 0.243 | -0.397642707 | count | 1 |
| NUDT19 | -0.3729466 | 0.3500606 | -1.0654 | 0.287 | -0.39739851 | count | 1 |
| GPR107 | -0.3893021 | 0.2807115 | -1.3868 | 0.166 | -0.397234611 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|-------------|
| ACKR3 | -0.3831072 | 0.5349936 | -0.7161 | 0.474 | -0.3971351 | count | 1 |
| TMEM134 | -0.2854813 | 0.1187019 | -2.405 | 0.0162 | -0.39691785 | count | 1 |
| OSTC | -0.2791598 | 0.0731918 | -3.8141 | 0.00014 | -0.396753816 | count | 1 |
| TMEM156 | -0.5553679 | 0.4775005 | -1.1631 | 0.245 | -0.396709327 | count | 1 |
| MAPRE1 | -0.2851824 | 0.0997275 | -2.8596 | 0.00428 | -0.396685681 | count | 1 |
| SLC43A3 | -0.2945671 | 0.1500861 | -1.9627 | 0.0498 | -0.396534655 | count | 1 |
| LRPAP1 | -0.2778486 | 0.0628696 | -4.4194 | 1.03E-05 | -0.396487881 | count | 0.2440997 |
| TMEM147 | -0.2811804 | 0.0859387 | -3.2719 | 0.00108 | -0.39627854 | count | 1 |
| CHPF | -1.0400692 | 0.863091 | -1.2051 | 0.228 | -0.394659324 | count | 1 |
| LINC00476 | -0.5521283 | 0.5780322 | -0.9552 | 0.34 | -0.394654653 | count | 1 |
| MR1 | -0.2967568 | 0.1730487 | -1.7149 | 0.0865 | -0.394423118 | count | 1 |
| IFNGR2 | -0.2775722 | 0.0747184 | -3.7149 | 0.000208 | -0.394005157 | count | 1 |
| DTNBP1 | -0.2992668 | 0.1458618 | -2.0517 | 0.0403 | -0.393900265 | count | 1 |
| LAIR1 | -0.2794121 | 0.0731031 | -3.8222 | 0.000136 | -0.393836602 | count | 1 |
| DDX55 | -0.3366789 | 0.2858712 | -1.1777 | 0.239 | -0.393452131 | count | 1 |
| RDX | -0.2887738 | 0.1359156 | -2.1247 | 0.0337 | -0.393329817 | count | 1 |
| MCFD2 | -0.2852364 | 0.1213992 | -2.3496 | 0.0189 | -0.393249066 | count | 1 |
| NDUFA11 | -0.2763286 | 0.0643159 | -4.2964 | 1.80E-05 | -0.393236117 | count | 0.42579 |
| H2AFV | -0.275681 | 0.0648838 | -4.2488 | 2.23E-05 | -0.393100227 | count | 0.5270605 |
| BZW1 | -0.2745211 | 0.0600371 | -4.5725 | 5.06E-06 | -0.393019383 | count | 0.1201244 |
| LUCAT1 | -0.3059275 | 0.2367588 | -1.2921 | 0.196 | -0.392799623 | count | 1 |
| CCT2 | -0.2789563 | 0.1019314 | -2.7367 | 0.00625 | -0.392527958 | count | 1 |
| MTOR | -0.4493773 | 0.4677492 | -0.9607 | 0.337 | -0.392261525 | count | 1 |
| RARA-AS1 | -0.3149096 | 0.2628975 | -1.1978 | 0.231 | -0.392209243 | count | 1 |
| AGAP6 | -0.5930984 | 0.9007882 | -0.6584 | 0.51 | -0.392130036 | count | 1 |
| CCNB1 | -0.5686222 | 0.7420174 | -0.7663 | 0.444 | -0.391946715 | count | 1 |
| NQO2 | -0.2792051 | 0.1082013 | -2.5804 | 0.00993 | -0.391744329 | count | 1 |
| TOMM70 | -0.332936 | 0.2157902 | -1.5429 | 0.123 | -0.391436563 | count | 1 |
| CXCL16 | -0.2743 | 0.0660195 | -4.1548 | 3.37E-05 | -0.391305418 | count | 0.7952526 |
| SNX8 | -0.2892193 | 0.1594409 | -1.814 | 0.0698 | -0.390940543 | count | 1 |
| NPAT | -0.3622142 | 0.2828449 | -1.2806 | 0.2 | -0.390914995 | count | 1 |
| C2orf74 | -0.2980838 | 0.183785 | -1.6219 | 0.105 | -0.390730055 | count | 1 |
| PBX3 | -0.3219333 | 0.2387399 | -1.3485 | 0.178 | -0.390649248 | count | 1 |
| AC093827.4 | -0.5904306 | 0.4582576 | -1.2884 | 0.198 | -0.390592647 | count | 1 |
| CYFIP1 | -0.2805104 | 0.0979196 | -2.8647 | 0.00421 | -0.390590728 | count | 1 |
| CNOT9 | -0.2986884 | 0.1866308 | -1.6004 | 0.11 | -0.390515693 | count | 1 |
| ACOX2 | -0.5454987 | 0.7774154 | -0.7017 | 0.483 | -0.390439983 | count | 1 |
| SMIM37 | -0.2896645 | 0.1486146 | -1.9491 | 0.0514 | -0.390360308 | count | 1 |
| CCDC126 | -0.3473482 | 0.3072917 | -1.1304 | 0.258 | -0.39017941 | count | 1 |
| MZT2A | -0.2787696 | 0.1311718 | -2.1252 | 0.0337 | -0.38952622 | count | 1 |
| GAN | -0.3879625 | 0.458158 | -0.8468 | 0.397 | -0.389435914 | count | 1 |
| GRAMD1B | -0.3953978 | 0.3583662 | -1.1033 | 0.27 | -0.389365094 | count | 1 |
| CRELD2 | -0.2871896 | 0.1363044 | -2.107 | 0.0352 | -0.389184616 | count | 1 |
| SEC61B | -0.2712527 | 0.0475711 | -5.7021 | 1.33E-08 | -0.389171734 | count | 0.000318961 |
| FLCN | -0.3527788 | 0.290149 | -1.2159 | 0.224 | -0.389058526 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|-------------|
| NCBP2 | -0.2900874 | 0.1518501 | -1.9104 | 0.0562 | -0.388802564 | count | 1 |
| MX1 | -0.2763373 | 0.131619 | -2.0995 | 0.0359 | -0.388736007 | count | 1 |
| CKS2 | -0.2788392 | 0.116181 | -2.4 | 0.0165 | -0.388722756 | count | 1 |
| LACC1 | -0.3114897 | 0.2139822 | -1.4557 | 0.146 | -0.388022561 | count | 1 |
| SNAI1 | -0.3935676 | 0.2910817 | -1.3521 | 0.176 | -0.387653202 | count | 1 |
| WDHD1 | -0.8040328 | 0.8351732 | -0.9627 | 0.336 | -0.387641614 | count | 1 |
| CD247 | -1.5298992 | 1.1530973 | -1.3268 | 0.185 | -0.387460282 | count | 1 |
| ANXA2 | -0.2694851 | 0.0468147 | -5.7564 | 9.66E-09 | -0.387104718 | count | 0.000231724 |
| TCAIM | -0.3204545 | 0.2781554 | -1.1521 | 0.249 | -0.386471376 | count | 1 |
| MGAT4B | -0.2853148 | 0.1706888 | -1.6715 | 0.0947 | -0.386029171 | count | 1 |
| ANKRD11 | -0.2771268 | 0.1337581 | -2.0719 | 0.0384 | -0.38524122 | count | 1 |
| ABCF1 | -0.2789396 | 0.1132364 | -2.4633 | 0.0138 | -0.38497887 | count | 1 |
| WDR5 | -0.3945587 | 0.4007362 | -0.9846 | 0.325 | -0.384775305 | count | 1 |
| SLU7 | -0.2862794 | 0.1261185 | -2.2699 | 0.0233 | -0.384694106 | count | 1 |
| REPS1 | -0.3792728 | 0.3131745 | -1.2111 | 0.226 | -0.384348581 | count | 1 |
| ZNF268 | -0.7308559 | 0.5499218 | -1.329 | 0.184 | -0.384305606 | count | 1 |
| BLOC1S1 | -0.2684238 | 0.0556177 | -4.8262 | 1.48E-06 | -0.384044358 | count | 0.03522696 |
| TMEM51-AS1 | -1.1838259 | 1.1094918 | -1.067 | 0.286 | -0.384032492 | count | 1 |
| DERL3 | -1.1838259 | 1.1945095 | -0.9911 | 0.322 | -0.384032492 | count | 1 |
| RAB5C | -0.2681611 | 0.0615401 | -4.3575 | 1.37E-05 | -0.382789068 | count | 0.3243201 |
| HLA-DQA1 | -0.2654073 | 0.0684047 | -3.88 | 0.000107 | -0.382138611 | count | 1 |
| MYL6 | -0.2651645 | 0.0301124 | -8.8058 | 2.40E-18 | -0.38212708 | count | 5.81E-14 |
| CCDC25 | -0.2781026 | 0.2011236 | -1.3827 | 0.167 | -0.38207784 | count | 1 |
| ANXA5 | -0.2656687 | 0.0381168 | -6.9699 | 4.06E-12 | -0.381869485 | count | 9.79E-08 |
| NDUFC2 | -0.2673979 | 0.0620893 | -4.3067 | 1.72E-05 | -0.381447816 | count | 0.4069176 |
| FAM27C | -0.5742553 | 0.6782186 | -0.8467 | 0.397 | -0.381226072 | count | 1 |
| ZDHHC24 | -0.2874817 | 0.1630383 | -1.7633 | 0.078 | -0.380569248 | count | 1 |
| DNAJC21 | -0.2733591 | 0.1365344 | -2.0021 | 0.0454 | -0.380506526 | count | 1 |
| HOMER3 | -0.2720351 | 0.1006907 | -2.7017 | 0.00695 | -0.380226882 | count | 1 |
| ZNF131 | -0.300689 | 0.186897 | -1.6088 | 0.108 | -0.380202823 | count | 1 |
| DDX10 | -0.3312328 | 0.3084891 | -1.0737 | 0.283 | -0.379808729 | count | 1 |
| WDYHV1 | -0.3580048 | 0.4648168 | -0.7702 | 0.441 | -0.379726249 | count | 1 |
| ZNF697 | -0.7831385 | 0.7375667 | -1.0618 | 0.288 | -0.37965892 | count | 1 |
| AC093895.1 | -0.3513863 | 0.3887389 | -0.9039 | 0.366 | -0.379643295 | count | 1 |
| CUL7 | -0.5979911 | 0.6982114 | -0.8565 | 0.392 | -0.37924616 | count | 1 |
| C8orf76 | -0.2929479 | 0.2239679 | -1.308 | 0.191 | -0.379244594 | count | 1 |
| MPI | -0.3574426 | 0.3765535 | -0.9492 | 0.343 | -0.379152516 | count | 1 |
| HIST2H2AC | -0.3306313 | 0.2432779 | -1.3591 | 0.174 | -0.379137732 | count | 1 |
| DST | -0.3146994 | 0.2002475 | -1.5716 | 0.116 | -0.378847778 | count | 1 |
| AC100810.1 | -0.2708012 | 0.1286473 | -2.105 | 0.0354 | -0.378078701 | count | 1 |
| ACSL3 | -0.2697657 | 0.1161934 | -2.3217 | 0.0203 | -0.377701455 | count | 1 |
| SMIM25 | -0.2655812 | 0.106703 | -2.489 | 0.0129 | -0.37749147 | count | 1 |
| LSR | -0.4171092 | 0.3726503 | -1.1193 | 0.263 | -0.377285951 | count | 1 |
| ZNF141 | -0.312648 | 0.270942 | -1.1539 | 0.249 | -0.377249614 | count | 1 |
| ZC3HAV1 | -0.2907867 | 0.1433555 | -2.0284 | 0.0426 | -0.37648008 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|------------|
| APBB1P | -0.2640656 | 0.0691297 | -3.8199 | 0.000137 | -0.375805163 | count | 1 |
| AF117829.1 | -0.3768075 | 0.3527814 | -1.0681 | 0.286 | -0.37541251 | count | 1 |
| AC068580.4 | -0.4768872 | 0.829399 | -0.575 | 0.565 | -0.375374492 | count | 1 |
| XCR1 | -0.6227073 | 0.7142917 | -0.8718 | 0.383 | -0.375272983 | count | 1 |
| BCAT1 | -0.2692847 | 0.1409202 | -1.9109 | 0.0561 | -0.375207282 | count | 1 |
| B3GNT5 | -0.2760939 | 0.1439838 | -1.9175 | 0.0553 | -0.374734526 | count | 1 |
| BTBD8 | -0.8520679 | 0.5499214 | -1.5494 | 0.121 | -0.374635374 | count | 1 |
| MCM7 | -0.3421923 | 0.5101218 | -0.6708 | 0.502 | -0.374029334 | count | 1 |
| OLMALINC | -0.9641032 | 0.7855529 | -1.2273 | 0.22 | -0.373922731 | count | 1 |
| ZNF438 | -0.31482 | 0.3611373 | -0.8717 | 0.383 | -0.373617443 | count | 1 |
| REV3L | -0.2747974 | 0.1498331 | -1.834 | 0.0668 | -0.373541025 | count | 1 |
| PDPN | -0.5610291 | 0.5159263 | -1.0874 | 0.277 | -0.373509561 | count | 1 |
| EXOSC2 | -0.5610291 | 0.5134066 | -1.0928 | 0.275 | -0.373509561 | count | 1 |
| CHEK2 | -0.406596 | 0.5652566 | -0.7193 | 0.472 | -0.373482954 | count | 1 |
| ZNF22 | -0.2775233 | 0.1691304 | -1.6409 | 0.101 | -0.373269639 | count | 1 |
| GLRX2 | -0.2713048 | 0.1418004 | -1.9133 | 0.0558 | -0.373258573 | count | 1 |
| GDF11 | -0.9616379 | 0.5723545 | -1.6801 | 0.0931 | -0.373230359 | count | 1 |
| RASA1 | -0.3054491 | 0.2634374 | -1.1595 | 0.246 | -0.372485749 | count | 1 |
| TAGLN | -0.2876266 | 0.2405466 | -1.1957 | 0.232 | -0.372436829 | count | 1 |
| ABI3 | -0.2780273 | 0.1334163 | -2.0839 | 0.0373 | -0.37206671 | count | 1 |
| JPT1 | -0.2610032 | 0.072142 | -3.6179 | 0.000303 | -0.372064606 | count | 1 |
| FTO | -0.5168014 | 0.5698086 | -0.907 | 0.365 | -0.372042821 | count | 1 |
| PSMD8 | -0.2607202 | 0.0574558 | -4.5378 | 5.96E-06 | -0.37195232 | count | 0.14143676 |
| COPRS | -0.2745273 | 0.1796924 | -1.5278 | 0.127 | -0.371940514 | count | 1 |
| AC073111.5 | -1.4197031 | 1.0763782 | -1.319 | 0.187 | -0.37190441 | count | 1 |
| ENTR1 | -0.3102342 | 0.2428097 | -1.2777 | 0.201 | -0.371900062 | count | 1 |
| MAP3K8 | -0.2607852 | 0.0692647 | -3.7651 | 2.00E-04 | -0.371889032 | count | 1 |
| RGS12 | -0.3438861 | 0.3620685 | -0.9498 | 0.342 | -0.371819365 | count | 1 |
| NASP | -0.2691925 | 0.0994289 | -2.7074 | 0.00683 | -0.371489292 | count | 1 |
| LSM2 | -0.2676685 | 0.1206254 | -2.219 | 0.0266 | -0.371294827 | count | 1 |
| ARL10 | -1.41473 | 0.768596 | -1.8407 | 0.0658 | -0.371167819 | count | 1 |
| EMC9 | -0.2999207 | 0.3141348 | -0.9548 | 0.34 | -0.371014441 | count | 1 |
| SOD3 | -2.0739768 | 1.5745769 | -1.3172 | 0.188 | -0.370363927 | count | 1 |
| DNAJC15 | -0.2603089 | 0.0778476 | -3.3438 | 0.000839 | -0.370219148 | count | 1 |
| METRNL | -0.2582888 | 0.0528181 | -4.8902 | 1.07E-06 | -0.37019982 | count | 0.02548205 |
| VAMP8 | -0.2576089 | 0.0388184 | -6.6363 | 3.95E-11 | -0.370090382 | count | 9.52E-07 |
| TNPO1 | -0.2855808 | 0.1897056 | -1.5054 | 0.132 | -0.369523247 | count | 1 |
| SPCS3 | -0.2598864 | 0.0676998 | -3.8388 | 0.000127 | -0.369431641 | count | 1 |
| HMG1 | -0.2582749 | 0.063478 | -4.0687 | 4.88E-05 | -0.369273319 | count | 1 |
| SERPINB9P1 | -0.4955887 | 0.5276377 | -0.9393 | 0.348 | -0.369061533 | count | 1 |
| KIAA0753 | -0.4955887 | 0.6289053 | -0.788 | 0.431 | -0.369061533 | count | 1 |
| UBE2D4 | -0.3122324 | 0.2571302 | -1.2143 | 0.225 | -0.368666152 | count | 1 |
| THBS3 | -0.4456475 | 0.5100928 | -0.8737 | 0.382 | -0.368549124 | count | 1 |
| GPR146 | -0.6470663 | 0.5168926 | -1.2518 | 0.211 | -0.368336365 | count | 1 |
| MPHOSPH6 | -0.2805983 | 0.1638486 | -1.7125 | 0.0869 | -0.36827 | count | 1 |

| | | | | | | | |
|--------------|------------|-----------|---------|----------|--------------|-------|-----------|
| AL590096.1 | -0.5779312 | 1.8171946 | -0.318 | 0.75 | -0.36817065 | count | 1 |
| DNAJC8 | -0.2594454 | 0.07832 | -3.3126 | 0.000938 | -0.368092773 | count | 1 |
| DYRK3 | -1.1091468 | 0.8811981 | -1.2587 | 0.208 | -0.367920611 | count | 1 |
| DOCK4 | -0.2768948 | 0.2222109 | -1.2461 | 0.213 | -0.367917304 | count | 1 |
| MAP4K3 | -0.3025809 | 0.2707529 | -1.1176 | 0.264 | -0.367616135 | count | 1 |
| CAMTA1 | -0.2617615 | 0.0893923 | -2.9282 | 0.00344 | -0.367584278 | count | 1 |
| C8orf58 | -0.3996593 | 0.6002802 | -0.6658 | 0.506 | -0.367480498 | count | 1 |
| VAT1 | -0.2717437 | 0.178615 | -1.5214 | 0.128 | -0.367479723 | count | 1 |
| ANKRD36 | -0.3832715 | 0.3610381 | -1.0616 | 0.289 | -0.366444786 | count | 1 |
| ZNF146 | -0.3281633 | 0.3323237 | -0.9875 | 0.324 | -0.366099304 | count | 1 |
| SLC15A3 | -0.2687447 | 0.1380016 | -1.9474 | 0.0516 | -0.365625402 | count | 1 |
| SEC11C | -0.2610367 | 0.1045494 | -2.4968 | 0.0126 | -0.36535862 | count | 1 |
| VDAC1 | -0.256799 | 0.0687563 | -3.7349 | 0.000192 | -0.365203664 | count | 1 |
| ERP27 | -0.6029909 | 0.9959818 | -0.6054 | 0.545 | -0.365055702 | count | 1 |
| CCT6B | -0.6029909 | 0.6616995 | -0.9113 | 0.362 | -0.365055702 | count | 1 |
| DEPP1 | -1.9919099 | 1.1928867 | -1.6698 | 0.0951 | -0.364592773 | count | 1 |
| SPATA5L1 | -0.3350684 | 0.367562 | -0.9116 | 0.362 | -0.364581222 | count | 1 |
| HNRNPF | -0.2564666 | 0.0581237 | -4.4124 | 1.07E-05 | -0.364443196 | count | 0.2535472 |
| FUT7 | -0.396112 | 0.4728381 | -0.8377 | 0.402 | -0.364405632 | count | 1 |
| PKP4 | -0.8216658 | 0.668685 | -1.2288 | 0.219 | -0.364292086 | count | 1 |
| SBNO1 | -0.2735824 | 0.1930073 | -1.4175 | 0.156 | -0.363553823 | count | 1 |
| CEP68 | -0.2926784 | 0.2320727 | -1.2611 | 0.207 | -0.363338524 | count | 1 |
| TIMM8B | -0.2605582 | 0.1099909 | -2.3689 | 0.0179 | -0.363326584 | count | 1 |
| ACE | -0.9241125 | 0.8127839 | -1.137 | 0.256 | -0.362538129 | count | 1 |
| JPT2 | -0.3453977 | 0.5399081 | -0.6397 | 0.522 | -0.362075451 | count | 1 |
| UCP2 | -0.2542531 | 0.0731119 | -3.4776 | 0.000515 | -0.361239284 | count | 1 |
| NTMT1 | -0.2667107 | 0.1718359 | -1.5521 | 0.121 | -0.361222794 | count | 1 |
| USP31 | -0.6774785 | 0.4365973 | -1.5517 | 0.121 | -0.361060689 | count | 1 |
| ACAD9 | -0.3396445 | 0.3149917 | -1.0783 | 0.281 | -0.3609495 | count | 1 |
| HMGCL | -0.2901295 | 0.2176994 | -1.3327 | 0.183 | -0.36077126 | count | 1 |
| PSMB2 | -0.2550544 | 0.0775117 | -3.2905 | 0.00101 | -0.36068912 | count | 1 |
| POLR3A | -0.4180477 | 0.44648 | -0.9363 | 0.349 | -0.360596628 | count | 1 |
| ANTXR1 | -1.93456 | 1.1720526 | -1.6506 | 0.099 | -0.360295038 | count | 1 |
| AP2M1 | -0.2536007 | 0.063989 | -3.9632 | 7.61E-05 | -0.360249231 | count | 1 |
| MZT2B | -0.252957 | 0.0641116 | -3.9456 | 8.18E-05 | -0.359957332 | count | 1 |
| ATP9B | -0.2852246 | 0.2448719 | -1.1648 | 0.244 | -0.359624022 | count | 1 |
| GLRX3 | -0.2623672 | 0.1229816 | -2.1334 | 0.033 | -0.358979314 | count | 1 |
| TDG | -0.2620688 | 0.143249 | -1.8295 | 0.0675 | -0.358978792 | count | 1 |
| MCCC1 | -0.4540415 | 0.3549379 | -1.2792 | 0.201 | -0.358872028 | count | 1 |
| ABHD14A | -0.3021139 | 0.2350541 | -1.2853 | 0.199 | -0.358859426 | count | 1 |
| THEM4 | -0.4084275 | 0.3972556 | -1.0281 | 0.304 | -0.358819082 | count | 1 |
| CENPV | -0.5146784 | 0.7191086 | -0.7157 | 0.474 | -0.358761977 | count | 1 |
| ATP6V0D1 | -0.2517844 | 0.064226 | -3.9203 | 9.09E-05 | -0.357904509 | count | 1 |
| FAM98A | -0.2783865 | 0.2395417 | -1.1622 | 0.245 | -0.3578682 | count | 1 |
| MAPKAPK5-AS1 | -0.2974919 | 0.2175268 | -1.3676 | 0.172 | -0.357743132 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|-------------|
| CXCL11 | -0.9062384 | 0.9155529 | -0.9898 | 0.322 | -0.357343305 | count | 1 |
| HYOU1 | -0.3089369 | 0.2388422 | -1.2935 | 0.196 | -0.357310703 | count | 1 |
| FAM122B | -0.3731081 | 0.3836113 | -0.9726 | 0.331 | -0.357214186 | count | 1 |
| AHSA1 | -0.271904 | 0.136472 | -1.9924 | 0.0464 | -0.356970294 | count | 1 |
| ITPR1 | -0.3167694 | 0.3229764 | -0.9808 | 0.327 | -0.35678819 | count | 1 |
| TESK1 | -0.2821066 | 0.2414296 | -1.1685 | 0.243 | -0.35661101 | count | 1 |
| EIF3C | -0.4300547 | 0.4817401 | -0.8927 | 0.372 | -0.356596774 | count | 1 |
| MPV17 | -0.2622272 | 0.1595449 | -1.6436 | 0.1 | -0.356556585 | count | 1 |
| FAM213B | -0.6670663 | 0.3781726 | -1.7639 | 0.0779 | -0.356438375 | count | 1 |
| MYH10 | -0.9031264 | 0.6307741 | -1.4318 | 0.152 | -0.35643208 | count | 1 |
| SPCS2 | -0.2489297 | 0.0511818 | -4.8636 | 1.23E-06 | -0.356050557 | count | 0.02928876 |
| PGF | -0.9015515 | 1.2732045 | -0.7081 | 0.479 | -0.355970175 | count | 1 |
| PKIG | -0.7214654 | 0.5966942 | -1.2091 | 0.227 | -0.355462814 | count | 1 |
| RMND5B | -0.331865 | 0.4572134 | -0.7258 | 0.468 | -0.355135308 | count | 1 |
| DDO | -0.7204472 | 0.7746975 | -0.93 | 0.352 | -0.355055352 | count | 1 |
| AC020928.1 | -0.6195134 | 0.8360911 | -0.741 | 0.459 | -0.354993992 | count | 1 |
| TMEM173 | -0.2619182 | 0.1099367 | -2.3824 | 0.0173 | -0.354965171 | count | 1 |
| FCGR2B | -0.2500617 | 0.1075868 | -2.3243 | 0.0202 | -0.35472576 | count | 1 |
| PPIB | -0.2464104 | 0.0472142 | -5.219 | 1.95E-07 | -0.354112835 | count | 0.004657965 |
| SEC22C | -0.3057877 | 0.2972443 | -1.0287 | 0.304 | -0.353756 | count | 1 |
| CCT5 | -0.2494626 | 0.0725361 | -3.4392 | 0.000593 | -0.353601505 | count | 1 |
| AL645568.1 | -1.0458446 | 1.0662451 | -0.9809 | 0.327 | -0.353517344 | count | 1 |
| QPCTL | -1.0458446 | 1.0384332 | -1.0071 | 0.314 | -0.353517344 | count | 1 |
| TBC1D8B | -1.3012396 | 1.1129762 | -1.1692 | 0.242 | -0.353499542 | count | 1 |
| PRDM10 | -1.3012396 | 1.1519097 | -1.1296 | 0.259 | -0.353499542 | count | 1 |
| SIRPA | -0.2555723 | 0.1230159 | -2.0776 | 0.0379 | -0.353412209 | count | 1 |
| DUSP14 | -0.2848757 | 0.2852962 | -0.9985 | 0.318 | -0.353258966 | count | 1 |
| ARL1 | -0.2616754 | 0.1633605 | -1.6018 | 0.109 | -0.353224977 | count | 1 |
| CCDC152 | -0.3948906 | 0.319742 | -1.235 | 0.217 | -0.353144818 | count | 1 |
| PYM1 | -0.2588301 | 0.1596571 | -1.6212 | 0.105 | -0.352699644 | count | 1 |
| TBCEL | -1.0417787 | 0.8198526 | -1.2707 | 0.204 | -0.35256824 | count | 1 |
| CASP5 | -0.3637834 | 0.3533965 | -1.0294 | 0.303 | -0.35252693 | count | 1 |
| EIF2S1 | -0.256824 | 0.1232284 | -2.0841 | 0.0373 | -0.352457185 | count | 1 |
| EDEM2 | -0.2662845 | 0.1511773 | -1.7614 | 0.0783 | -0.351660792 | count | 1 |
| AC231981.1 | -0.5027917 | 0.9274848 | -0.5421 | 0.588 | -0.351332585 | count | 1 |
| PC | -0.655479 | 1.259875 | -0.5203 | 0.603 | -0.351260507 | count | 1 |
| AL049840.1 | -0.3301654 | 0.4954741 | -0.6664 | 0.505 | -0.351223354 | count | 1 |
| DHX35 | -0.4832291 | 0.639636 | -0.7555 | 0.45 | -0.350205485 | count | 1 |
| SLC25A39 | -0.2548571 | 0.1189065 | -2.1433 | 0.0322 | -0.350007864 | count | 1 |
| IFT43 | -0.2850767 | 0.2645495 | -1.0776 | 0.281 | -0.349995468 | count | 1 |
| BTF3L4 | -0.2485782 | 0.0832765 | -2.985 | 0.00286 | -0.349987147 | count | 1 |
| LINC00342 | -0.8797508 | 0.9712129 | -0.9058 | 0.365 | -0.349522857 | count | 1 |
| TMEM64 | -0.573165 | 0.5338868 | -1.0736 | 0.283 | -0.34938901 | count | 1 |
| SOCS3 | -0.2454231 | 0.0613233 | -4.0021 | 6.46E-05 | -0.34923718 | count | 1 |
| METTL2A | -0.3153701 | 0.3256841 | -0.9683 | 0.333 | -0.34901974 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|----------|--------------|-------|------------|
| DPCD | -0.2986375 | 0.3317742 | -0.9001 | 0.368 | -0.348958783 | count | 1 |
| SSTR2 | -1.7958416 | 0.828459 | -2.1677 | 0.0303 | -0.348927413 | count | 1 |
| HCFC1R1 | -0.2499929 | 0.1272078 | -1.9652 | 0.0495 | -0.34891264 | count | 1 |
| UBE2F | -0.2568525 | 0.1242421 | -2.0674 | 0.0388 | -0.3483269 | count | 1 |
| RTN4 | -0.2431827 | 0.0501496 | -4.8491 | 1.32E-06 | -0.347711618 | count | 0.03142788 |
| HOMER2 | -0.4386289 | 0.5084795 | -0.8626 | 0.388 | -0.347650045 | count | 1 |
| ALDH7A1 | -0.4013496 | 0.365538 | -1.098 | 0.272 | -0.347116537 | count | 1 |
| HIST1H1C | -0.2710715 | 0.2128568 | -1.2735 | 0.203 | -0.346936331 | count | 1 |
| MRPS25 | -0.2612823 | 0.1771586 | -1.4748 | 0.14 | -0.346855563 | count | 1 |
| BCL7A | -0.4780334 | 0.9092174 | -0.5258 | 0.599 | -0.346795675 | count | 1 |
| CHMP6 | -0.29669 | 0.2477194 | -1.1977 | 0.231 | -0.346733885 | count | 1 |
| INO80C | -0.3023463 | 0.2476446 | -1.2209 | 0.222 | -0.346267028 | count | 1 |
| GALNS | -0.2919991 | 0.2810343 | -1.039 | 0.299 | -0.346194571 | count | 1 |
| LBX2-AS1 | -0.4617469 | 0.5454666 | -0.8465 | 0.397 | -0.346100197 | count | 1 |
| LINC01311 | -1.255553 | 1.2408185 | -1.0119 | 0.312 | -0.345907278 | count | 1 |
| DHDH | -0.6005144 | 0.8300484 | -0.7235 | 0.469 | -0.345671393 | count | 1 |
| DECR2 | -0.4358769 | 0.4893726 | -0.8907 | 0.373 | -0.345638799 | count | 1 |
| GPR42 | -0.4252443 | 0.5851467 | -0.7267 | 0.467 | -0.345582581 | count | 1 |
| IPP | -1.2533247 | 1.0224833 | -1.2258 | 0.22 | -0.345529703 | count | 1 |
| CEP55 | -1.2533247 | 1.1339506 | -1.1053 | 0.269 | -0.345529703 | count | 1 |
| DDAH2 | -0.242871 | 0.0724997 | -3.35 | 0.00082 | -0.345349184 | count | 1 |
| UPP1 | -0.2429252 | 0.0817911 | -2.9701 | 0.00301 | -0.345106617 | count | 1 |
| YBX3 | -0.2410776 | 0.0586463 | -4.1107 | 4.07E-05 | -0.345054269 | count | 0.9595839 |
| TSC1 | -0.3387053 | 0.3005029 | -1.1271 | 0.26 | -0.344883368 | count | 1 |
| MSRB2 | -0.2472226 | 0.0967288 | -2.5558 | 0.0107 | -0.344654042 | count | 1 |
| HAUS8 | -0.2809376 | 0.2335747 | -1.2028 | 0.229 | -0.344380993 | count | 1 |
| CLTA | -0.2405801 | 0.0504001 | -4.7734 | 1.92E-06 | -0.344379641 | count | 0.04567488 |
| SLC3A2 | -0.241798 | 0.0610661 | -3.9596 | 7.72E-05 | -0.344371659 | count | 1 |
| KANSL3 | -0.3195225 | 0.4573694 | -0.6986 | 0.485 | -0.344369264 | count | 1 |
| MAGI3 | -1.742858 | 0.9896315 | -1.7611 | 0.0783 | -0.344197634 | count | 1 |
| SGSM3 | -1.741014 | 0.9322438 | -1.8676 | 0.0619 | -0.344028982 | count | 1 |
| TUBGCP2 | -0.2458045 | 0.0961906 | -2.5554 | 0.0107 | -0.343744481 | count | 1 |
| PGAP2 | -0.3188495 | 0.4595344 | -0.6939 | 0.488 | -0.343667069 | count | 1 |
| C2 | -0.2939444 | 0.1453013 | -2.023 | 0.0432 | -0.343595974 | count | 1 |
| ADRM1 | -0.2442771 | 0.0939627 | -2.5997 | 0.00939 | -0.343501536 | count | 1 |
| SMIM1 | -0.3620919 | 0.4782076 | -0.7572 | 0.449 | -0.34321717 | count | 1 |
| ANKRD6 | -0.5613728 | 0.7872076 | -0.7131 | 0.476 | -0.343124953 | count | 1 |
| XPO5 | -0.4723561 | 0.4504312 | -1.0487 | 0.294 | -0.343060563 | count | 1 |
| CXCR4 | -0.2405585 | 0.0587806 | -4.0925 | 4.41E-05 | -0.342745757 | count | 1 |
| AC009570.1 | -18.000696 | 2441.15086 | -0.0074 | 0.994 | -0.342664675 | count | 1 |
| ZFP28 | -18.000031 | 1888.739609 | -0.0095 | 0.992 | -0.342664675 | count | 1 |
| ANOS1 | -17.932205 | 1498.325741 | -0.012 | 0.99 | -0.342664675 | count | 1 |
| FAM111B | -17.859823 | 1752.025593 | -0.0102 | 0.992 | -0.342664674 | count | 1 |
| DOCK6 | -17.69616 | 2316.64302 | -0.0076 | 0.994 | -0.342664673 | count | 1 |
| DEGS2 | -17.413596 | 1257.526218 | -0.0138 | 0.989 | -0.34266467 | count | 1 |

| | | | | | | | |
|-------------|------------|-------------|---------|-------|--------------|-------|---|
| LINC02081 | -17.313202 | 1262.415737 | -0.0137 | 0.989 | -0.342664669 | count | 1 |
| AL121936.1 | -17.160748 | 3031.025473 | -0.0057 | 0.995 | -0.342664667 | count | 1 |
| AC004466.1 | -17.160653 | 2343.912326 | -0.0073 | 0.994 | -0.342664667 | count | 1 |
| WDR62 | -17.160653 | 2343.912326 | -0.0073 | 0.994 | -0.342664667 | count | 1 |
| ZNF229 | -17.160653 | 2343.912326 | -0.0073 | 0.994 | -0.342664667 | count | 1 |
| HIST3H2BB | -17.160572 | 1909.836305 | -0.009 | 0.993 | -0.342664667 | count | 1 |
| TCF7L1 | -17.160572 | 1909.836305 | -0.009 | 0.993 | -0.342664667 | count | 1 |
| TNIP3 | -17.160572 | 1909.836305 | -0.009 | 0.993 | -0.342664667 | count | 1 |
| AC021097.1 | -17.160572 | 1909.836305 | -0.009 | 0.993 | -0.342664667 | count | 1 |
| CA3-AS1 | -17.160572 | 1909.836305 | -0.009 | 0.993 | -0.342664667 | count | 1 |
| AC136475.5 | -17.160572 | 1909.836305 | -0.009 | 0.993 | -0.342664667 | count | 1 |
| KIF11 | -17.160572 | 1909.836305 | -0.009 | 0.993 | -0.342664667 | count | 1 |
| SPESP1 | -17.160572 | 1909.836305 | -0.009 | 0.993 | -0.342664667 | count | 1 |
| PRC1 | -17.160572 | 1909.836305 | -0.009 | 0.993 | -0.342664667 | count | 1 |
| AC145207.2 | -17.160572 | 1909.836305 | -0.009 | 0.993 | -0.342664667 | count | 1 |
| AC002116.2 | -17.160572 | 1909.836305 | -0.009 | 0.993 | -0.342664667 | count | 1 |
| ZNF527 | -17.160572 | 1909.836305 | -0.009 | 0.993 | -0.342664667 | count | 1 |
| CADM4 | -17.160572 | 1909.836305 | -0.009 | 0.993 | -0.342664667 | count | 1 |
| CD27 | -17.01934 | 2209.976639 | -0.0077 | 0.994 | -0.342664665 | count | 1 |
| DPYD-AS2 | -16.802934 | 4271.931304 | -0.0039 | 0.997 | -0.342664662 | count | 1 |
| AC110769.1 | -16.802934 | 4271.931304 | -0.0039 | 0.997 | -0.342664662 | count | 1 |
| LINC02037 | -16.802934 | 4271.931304 | -0.0039 | 0.997 | -0.342664662 | count | 1 |
| ANKRD31 | -16.802934 | 4271.931304 | -0.0039 | 0.997 | -0.342664662 | count | 1 |
| AL031123.2 | -16.802934 | 4271.931304 | -0.0039 | 0.997 | -0.342664662 | count | 1 |
| HIST1H3E | -16.802934 | 4271.931304 | -0.0039 | 0.997 | -0.342664662 | count | 1 |
| AL157371.2 | -16.802934 | 4271.931304 | -0.0039 | 0.997 | -0.342664662 | count | 1 |
| TRGC2 | -16.802934 | 4271.931304 | -0.0039 | 0.997 | -0.342664662 | count | 1 |
| AC004922.1 | -16.802934 | 4271.931304 | -0.0039 | 0.997 | -0.342664662 | count | 1 |
| AC104958.2 | -16.802934 | 4271.931304 | -0.0039 | 0.997 | -0.342664662 | count | 1 |
| ST8SIA6 | -16.802934 | 4271.931304 | -0.0039 | 0.997 | -0.342664662 | count | 1 |
| TMEM26-AS1 | -16.802934 | 4271.931304 | -0.0039 | 0.997 | -0.342664662 | count | 1 |
| TMEM254-AS1 | -16.802934 | 4271.931304 | -0.0039 | 0.997 | -0.342664662 | count | 1 |
| AC010201.2 | -16.802934 | 4271.931304 | -0.0039 | 0.997 | -0.342664662 | count | 1 |
| USP12-AS2 | -16.802934 | 4271.931304 | -0.0039 | 0.997 | -0.342664662 | count | 1 |
| CTRB2 | -16.802934 | 4271.931304 | -0.0039 | 0.997 | -0.342664662 | count | 1 |
| AC087741.2 | -16.802934 | 4271.931304 | -0.0039 | 0.997 | -0.342664662 | count | 1 |
| AC139530.3 | -16.802934 | 4271.931304 | -0.0039 | 0.997 | -0.342664662 | count | 1 |
| SBSN | -16.802934 | 4271.931304 | -0.0039 | 0.997 | -0.342664662 | count | 1 |
| ZNF497 | -16.802934 | 4271.931304 | -0.0039 | 0.997 | -0.342664662 | count | 1 |
| DEPDC1 | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |
| AL139412.1 | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |
| ELF3 | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |
| AC009495.3 | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |
| DUBR | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |
| PPBP | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|-------|--------------|-------|---|
| C9 | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |
| HIST1H3G | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |
| HIST1H2BL | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |
| SH3BGRL2 | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |
| AC009902.2 | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |
| RSPO2 | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |
| CD81-AS1 | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |
| AP000769.2 | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |
| AL163636.1 | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |
| KTN1-AS1 | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |
| ISL2 | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |
| AC103810.2 | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |
| MYBL2 | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |
| PRR19 | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |
| SEC14L2 | -16.802147 | 3181.716909 | -0.0053 | 0.996 | -0.342664662 | count | 1 |
| PTPRU | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| AL591845.1 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| AL162431.2 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| LAMC2 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| LINC01412 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| AC078802.1 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| AC007126.1 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| CXCL6 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| SEC24B-AS1 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| CCNA2 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| AL603910.1 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| AL080250.1 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| AC090192.2 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| LY6E-DT | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| FRRS1L | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| AP003486.1 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| AC008014.1 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| AHNAK2 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| TPSB2 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| RPGRIP1L | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| PLLP | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| BCAR1 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| ARHGAP23 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| PCGF2 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| ITGB3 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| LPO | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| SMIM24 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| ANKLE1 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| AC011476.3 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| C22orf15 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |

| | | | | | | | |
|-------------|-------------|-------------|---------|----------|--------------|-------|------------|
| SGSM1 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| LINC00649 | -16.801591 | 2462.538409 | -0.0068 | 0.995 | -0.342664662 | count | 1 |
| TRBC2 | -17.9534219 | 1936.980662 | -0.0093 | 0.993 | -0.342664553 | count | 1 |
| BCL9 | -17.6706094 | 1899.742585 | -0.0093 | 0.993 | -0.342664551 | count | 1 |
| AC233280.1 | -17.6706094 | 1899.742585 | -0.0093 | 0.993 | -0.342664551 | count | 1 |
| HIST1H2BJ | -17.6706094 | 1899.742585 | -0.0093 | 0.993 | -0.342664551 | count | 1 |
| CIT | -17.6706094 | 1899.742585 | -0.0093 | 0.993 | -0.342664551 | count | 1 |
| IL19 | -17.6136785 | 2795.79997 | -0.0063 | 0.995 | -0.34266455 | count | 1 |
| CDS1 | -17.6136785 | 2795.79997 | -0.0063 | 0.995 | -0.34266455 | count | 1 |
| AC245140.1 | -17.6136785 | 2795.79997 | -0.0063 | 0.995 | -0.34266455 | count | 1 |
| AC092123.1 | -17.6136785 | 2795.79997 | -0.0063 | 0.995 | -0.34266455 | count | 1 |
| KCNB1 | -17.6136785 | 2795.79997 | -0.0063 | 0.995 | -0.34266455 | count | 1 |
| GK3P | -17.4040624 | 1254.260295 | -0.0139 | 0.989 | -0.342664548 | count | 1 |
| TRIM59 | -17.1917669 | 1348.544978 | -0.0127 | 0.99 | -0.342664546 | count | 1 |
| CHKB-DT | -17.1915305 | 1981.156612 | -0.0087 | 0.993 | -0.342664546 | count | 1 |
| CFI | -17.0646334 | 1265.127397 | -0.0135 | 0.989 | -0.342664544 | count | 1 |
| LAMP3 | -16.9142748 | 1633.113308 | -0.0104 | 0.992 | -0.342664542 | count | 1 |
| PAWR | -16.9140974 | 1270.230187 | -0.0133 | 0.989 | -0.342664542 | count | 1 |
| STON1 | -16.6141737 | 2774.217094 | -0.006 | 0.995 | -0.342664536 | count | 1 |
| AC145343.1 | -16.6138894 | 2117.102124 | -0.0078 | 0.994 | -0.342664536 | count | 1 |
| CDCA3 | -16.5090353 | 1273.464108 | -0.013 | 0.99 | -0.342664533 | count | 1 |
| AP002761.3 | -16.5089923 | 1528.32454 | -0.0108 | 0.991 | -0.342664533 | count | 1 |
| CEBPB-AS1 | -16.5089923 | 1528.32454 | -0.0108 | 0.991 | -0.342664533 | count | 1 |
| AC023908.3 | -16.508909 | 1940.033991 | -0.0085 | 0.993 | -0.342664533 | count | 1 |
| SYNM | -16.508909 | 1940.033991 | -0.0085 | 0.993 | -0.342664533 | count | 1 |
| RNASEH1-AS1 | -0.3764664 | 0.4389402 | -0.8577 | 0.391 | -0.342574378 | count | 1 |
| RTN4IP1 | -0.5322936 | 0.6912459 | -0.77 | 0.441 | -0.342536521 | count | 1 |
| H2AFY | -0.2387197 | 0.0496857 | -4.8046 | 1.64E-06 | -0.342527359 | count | 0.03902708 |
| DSTN | -0.2422499 | 0.0906873 | -2.6713 | 0.00761 | -0.342482217 | count | 1 |
| GPN1 | -0.2768255 | 0.2710684 | -1.0212 | 0.307 | -0.34234065 | count | 1 |
| 3-Mar | -0.4304562 | 0.457716 | -0.9404 | 0.347 | -0.341670575 | count | 1 |
| CARNMT1 | -0.3273888 | 0.5728222 | -0.5715 | 0.568 | -0.341489205 | count | 1 |
| AL592295.4 | -1.713096 | 1.4968727 | -1.1445 | 0.253 | -0.341441089 | count | 1 |
| DNAL1 | -0.454939 | 0.4887583 | -0.9308 | 0.352 | -0.341439497 | count | 1 |
| PLBD2 | -0.2676884 | 0.2532605 | -1.057 | 0.291 | -0.341272545 | count | 1 |
| PHLPP2 | -1.228414 | 0.8339999 | -1.4729 | 0.141 | -0.34126186 | count | 1 |
| IMMT | -0.2509519 | 0.1207501 | -2.0783 | 0.0378 | -0.341230473 | count | 1 |
| AC016831.7 | -0.2698916 | 0.2076272 | -1.2999 | 0.194 | -0.340965894 | count | 1 |
| MOV10 | -0.4409195 | 0.4125815 | -1.0687 | 0.285 | -0.340820857 | count | 1 |
| CD59 | -0.2495121 | 0.1267394 | -1.9687 | 0.0491 | -0.340730984 | count | 1 |
| ZCCHC14 | -0.350927 | 0.5117272 | -0.6858 | 0.493 | -0.340636552 | count | 1 |
| FCGR2A | -0.2382556 | 0.0570038 | -4.1796 | 3.02E-05 | -0.340452651 | count | 0.7129314 |
| CFH | -0.8494768 | 0.4385329 | -1.9371 | 0.0528 | -0.340404008 | count | 1 |
| ISY1 | -0.2876549 | 0.2285455 | -1.2586 | 0.208 | -0.340245559 | count | 1 |
| PPP1R35 | -0.2692409 | 0.2300018 | -1.1706 | 0.242 | -0.339740981 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|-------------|
| CCR7 | -1.6888435 | 1.2393833 | -1.3626 | 0.173 | -0.339140558 | count | 1 |
| MRPL51 | -0.2397242 | 0.0819663 | -2.9247 | 0.00348 | -0.338346353 | count | 1 |
| TRAPPC4 | -0.2496294 | 0.1374852 | -1.8157 | 0.0695 | -0.337662644 | count | 1 |
| SPATC1L | -0.3006044 | 0.2955975 | -1.0169 | 0.309 | -0.337640336 | count | 1 |
| KRR1 | -0.255972 | 0.1786489 | -1.4328 | 0.152 | -0.337419635 | count | 1 |
| CALU | -0.2496529 | 0.1682604 | -1.4837 | 0.138 | -0.336996701 | count | 1 |
| SPATA6 | -0.2832179 | 0.2238082 | -1.2654 | 0.206 | -0.336857425 | count | 1 |
| EMC6 | -0.2412191 | 0.104906 | -2.2994 | 0.0216 | -0.336755516 | count | 1 |
| B3GNT2 | -0.2455718 | 0.139114 | -1.7653 | 0.0776 | -0.336614314 | count | 1 |
| CD3G | -0.9742357 | 1.1455224 | -0.8505 | 0.395 | -0.33636914 | count | 1 |
| MADCAM1 | -0.9742357 | 1.1230558 | -0.8675 | 0.386 | -0.33636914 | count | 1 |
| MTFP1 | -0.9742357 | 1.1455224 | -0.8505 | 0.395 | -0.33636914 | count | 1 |
| RNF19B | -0.2787125 | 0.2502829 | -1.1136 | 0.266 | -0.336314817 | count | 1 |
| CPVL | -0.2341695 | 0.0652501 | -3.5888 | 0.000339 | -0.336258047 | count | 1 |
| AP2S1 | -0.2344765 | 0.0480904 | -4.8757 | 1.15E-06 | -0.336220719 | count | 0.0273861 |
| CCT4 | -0.2394092 | 0.091183 | -2.6256 | 0.0087 | -0.33527649 | count | 1 |
| KRTCAP3 | -0.7387022 | 2.3282174 | -0.3173 | 0.751 | -0.334973988 | count | 1 |
| STXBP5-AS1 | -0.7387022 | 1.0881501 | -0.6789 | 0.497 | -0.334973988 | count | 1 |
| DOPEY1 | -0.3208331 | 0.4530291 | -0.7082 | 0.479 | -0.334890985 | count | 1 |
| GNB4 | -0.2445952 | 0.1247304 | -1.961 | 0.05 | -0.334719666 | count | 1 |
| ZBTB46 | -0.9673715 | 0.5728217 | -1.6888 | 0.0914 | -0.334676592 | count | 1 |
| FICD | -0.3524392 | 0.3950356 | -0.8922 | 0.372 | -0.334504576 | count | 1 |
| SLCO4A1 | -0.459181 | 0.440434 | -1.0426 | 0.297 | -0.334355493 | count | 1 |
| PDCD6 | -0.2362487 | 0.075082 | -3.1465 | 0.00167 | -0.334032647 | count | 1 |
| FRG1 | -0.2388784 | 0.1003669 | -2.3801 | 0.0174 | -0.33395102 | count | 1 |
| AC108863.1 | -1.633834 | 0.783197 | -2.0861 | 0.0371 | -0.333735779 | count | 1 |
| GCLM | -0.2765288 | 0.2903765 | -0.9523 | 0.341 | -0.333726742 | count | 1 |
| ATP6AP1 | -0.2376314 | 0.0846746 | -2.8064 | 0.00505 | -0.333683213 | count | 1 |
| YIF1A | -0.2393631 | 0.1129704 | -2.1188 | 0.0342 | -0.333166868 | count | 1 |
| PIK3R6 | -1.6237262 | 0.741685 | -2.1892 | 0.0287 | -0.332713778 | count | 1 |
| ISOC2 | -0.2499943 | 0.1812344 | -1.3794 | 0.168 | -0.332451805 | count | 1 |
| LYRM2 | -0.2422165 | 0.1349253 | -1.7952 | 0.0727 | -0.332446456 | count | 1 |
| DAPK2 | -1.6181471 | 1.1024994 | -1.4677 | 0.142 | -0.332145822 | count | 1 |
| UROD | -0.2435205 | 0.1569506 | -1.5516 | 0.121 | -0.33164876 | count | 1 |
| ETF1 | -0.2362284 | 0.0788302 | -2.9967 | 0.00276 | -0.331423448 | count | 1 |
| ACADS | -0.2700623 | 0.22584 | -1.1958 | 0.232 | -0.33126275 | count | 1 |
| NPM1 | -0.2308469 | 0.0406093 | -5.6846 | 1.47E-08 | -0.331125634 | count | 0.000352462 |
| TRIM47 | -0.3484253 | 0.3354767 | -1.0386 | 0.299 | -0.330874044 | count | 1 |
| GEMIN8 | -0.3887018 | 0.5655416 | -0.6873 | 0.492 | -0.330864913 | count | 1 |
| FBXL22 | -1.605533 | 0.8223709 | -1.9523 | 0.051 | -0.330851442 | count | 1 |
| SERF2 | -0.2292694 | 0.0284717 | -8.0525 | 1.25E-15 | -0.330393881 | count | 3.02E-11 |
| CHCHD3 | -0.2479169 | 0.1551604 | -1.5978 | 0.11 | -0.330300177 | count | 1 |
| GPALPP1 | -0.2775644 | 0.2308897 | -1.2022 | 0.229 | -0.330262125 | count | 1 |
| FXD1 | -0.6085358 | 0.7463092 | -0.8154 | 0.415 | -0.329917147 | count | 1 |
| S100A10 | -0.2286811 | 0.0508199 | -4.4998 | 7.12E-06 | -0.329685349 | count | 0.16887928 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|-------------|
| C1orf54 | -0.238433 | 0.1294401 | -1.842 | 0.0656 | -0.329514661 | count | 1 |
| SSB | -0.231877 | 0.0707513 | -3.2774 | 0.00106 | -0.329443819 | count | 1 |
| HSPA9 | -0.2363887 | 0.0898459 | -2.631 | 0.00857 | -0.329325648 | count | 1 |
| USO1 | -0.2509553 | 0.1735974 | -1.4456 | 0.148 | -0.329309205 | count | 1 |
| PIR | -0.4861564 | 0.5534734 | -0.8784 | 0.38 | -0.328851893 | count | 1 |
| SETDB2 | -0.2597508 | 0.2354066 | -1.1034 | 0.27 | -0.32870848 | count | 1 |
| TUSC2 | -0.2420836 | 0.1418345 | -1.7068 | 0.088 | -0.328667159 | count | 1 |
| JHY | -0.7212917 | 0.5551137 | -1.2994 | 0.194 | -0.328615834 | count | 1 |
| ZNF502 | -1.583218 | 1.195781 | -1.324 | 0.186 | -0.328526222 | count | 1 |
| UQCC3 | -0.2490749 | 0.1734837 | -1.4357 | 0.151 | -0.328033286 | count | 1 |
| TMEM50A | -0.229428 | 0.0508998 | -4.5074 | 6.87E-06 | -0.327924338 | count | 0.16296327 |
| IQCB1 | -0.2890862 | 0.2806876 | -1.0299 | 0.303 | -0.327703921 | count | 1 |
| LMAN2 | -0.2314515 | 0.0719491 | -3.2169 | 0.00131 | -0.327449794 | count | 1 |
| ZNF14 | -1.1497734 | 0.8403381 | -1.3682 | 0.171 | -0.327212055 | count | 1 |
| SLBP | -0.2365867 | 0.1118316 | -2.1156 | 0.0345 | -0.327178906 | count | 1 |
| LMAN1 | -0.2339552 | 0.1045073 | -2.2387 | 0.0253 | -0.327154673 | count | 1 |
| PEX1 | -0.2785487 | 0.3603518 | -0.773 | 0.44 | -0.326937495 | count | 1 |
| NUP93 | -0.2946183 | 0.3598132 | -0.8188 | 0.413 | -0.326674184 | count | 1 |
| POMP | -0.2276199 | 0.0436802 | -5.2111 | 2.03E-07 | -0.32638834 | count | 0.004848655 |
| MIEF1 | -0.2972302 | 0.399739 | -0.7436 | 0.457 | -0.326280391 | count | 1 |
| GUSB | -0.2329138 | 0.1146417 | -2.0317 | 0.0423 | -0.325959735 | count | 1 |
| AC004951.1 | -0.4086157 | 0.4585644 | -0.8911 | 0.373 | -0.325593352 | count | 1 |
| GYS1 | -0.5026457 | 0.5821077 | -0.8635 | 0.388 | -0.325558987 | count | 1 |
| ANKRD10 | -0.2348692 | 0.1190113 | -1.9735 | 0.0486 | -0.325538282 | count | 1 |
| BMP1 | -0.8012332 | 0.6467285 | -1.2389 | 0.216 | -0.325469561 | count | 1 |
| MTHFD2 | -0.2373969 | 0.1114153 | -2.1307 | 0.0332 | -0.325460715 | count | 1 |
| TNS3 | -0.2520388 | 0.235785 | -1.0689 | 0.285 | -0.325219176 | count | 1 |
| PPIH | -0.2445969 | 0.1626458 | -1.5039 | 0.133 | -0.325178724 | count | 1 |
| LENG9 | -0.3982426 | 0.410168 | -0.9709 | 0.332 | -0.325146648 | count | 1 |
| IL10RB | -0.39778 | 0.3583758 | -1.11 | 0.267 | -0.324794661 | count | 1 |
| ARV1 | -0.2734469 | 0.2693521 | -1.0152 | 0.31 | -0.32462034 | count | 1 |
| EHMT1 | -0.2488986 | 0.2051948 | -1.213 | 0.225 | -0.324247686 | count | 1 |
| SUMO3 | -0.2289502 | 0.0764727 | -2.9939 | 0.00278 | -0.324235179 | count | 1 |
| NAA20 | -0.2300217 | 0.0896184 | -2.5667 | 0.0103 | -0.324233262 | count | 1 |
| ZWILCH | -0.459941 | 0.4669025 | -0.9851 | 0.325 | -0.324201186 | count | 1 |
| EXD3 | -0.4297363 | 0.4128709 | -1.0408 | 0.298 | -0.324065021 | count | 1 |
| SKA2 | -0.2613993 | 0.2449427 | -1.0672 | 0.286 | -0.324060125 | count | 1 |
| PSMD11 | -0.2332519 | 0.1167734 | -1.9975 | 0.0459 | -0.323048228 | count | 1 |
| ATP6AP2 | -0.2259009 | 0.0498913 | -4.5279 | 6.24E-06 | -0.322957423 | count | 0.148044 |
| TEX10 | -0.3355557 | 0.4134807 | -0.8115 | 0.417 | -0.322862192 | count | 1 |
| ESCO2 | -0.7923214 | 0.9263855 | -0.8553 | 0.392 | -0.322656039 | count | 1 |
| GOLGA8B | -0.7923214 | 1.26686 | -0.6254 | 0.532 | -0.322656039 | count | 1 |
| TCF7 | -0.4276083 | 0.8461539 | -0.5054 | 0.613 | -0.322589321 | count | 1 |
| ERCC1 | -0.2309688 | 0.1046148 | -2.2078 | 0.0274 | -0.322558834 | count | 1 |
| DDOST | -0.2319424 | 0.1057251 | -2.1938 | 0.0283 | -0.322173601 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|-----------|
| GK-AS1 | -0.5531437 | 0.5134485 | -1.0773 | 0.281 | -0.321991032 | count | 1 |
| RNF145 | -0.2360348 | 0.1348156 | -1.7508 | 0.0801 | -0.32186773 | count | 1 |
| LUZP1 | -0.2413898 | 0.1616892 | -1.4929 | 0.136 | -0.321667038 | count | 1 |
| SRCAP | -0.78874 | 0.5936238 | -1.3287 | 0.184 | -0.321520536 | count | 1 |
| CNDP2 | -0.2308352 | 0.1044036 | -2.211 | 0.0271 | -0.321391444 | count | 1 |
| TBC1D22B | -0.6380343 | 0.7460643 | -0.8552 | 0.393 | -0.321205147 | count | 1 |
| PMEPA1 | -0.274261 | 0.3143228 | -0.8725 | 0.383 | -0.321057997 | count | 1 |
| L2HGDH | -1.1166274 | 1.4018576 | -0.7965 | 0.426 | -0.321020988 | count | 1 |
| ZNF324B | -1.1166274 | 1.1222908 | -0.995 | 0.32 | -0.321020988 | count | 1 |
| AP001636.3 | -0.7006285 | 0.9262466 | -0.7564 | 0.449 | -0.320976316 | count | 1 |
| RAD51AP1 | -0.2890259 | 0.3380664 | -0.8549 | 0.393 | -0.320636102 | count | 1 |
| DEXI | -0.2777998 | 0.3466394 | -0.8014 | 0.423 | -0.319914176 | count | 1 |
| GPR18 | -0.4374515 | 0.4278658 | -1.0224 | 0.307 | -0.3198853 | count | 1 |
| CALM1 | -0.2222611 | 0.0363272 | -6.1183 | 1.10E-09 | -0.319752005 | count | 2.64E-05 |
| HLA-DPB1 | -0.2216375 | 0.0512129 | -4.3278 | 1.57E-05 | -0.319491635 | count | 0.3715248 |
| CATSPER1 | -0.23752 | 0.1653832 | -1.4362 | 0.151 | -0.319263981 | count | 1 |
| DNAJC5 | -0.2455234 | 0.1904926 | -1.2889 | 0.198 | -0.319189093 | count | 1 |
| FCMR | -0.5167732 | 1.0502659 | -0.492 | 0.623 | -0.319074919 | count | 1 |
| CCNB2 | -0.5167732 | 0.7823459 | -0.6605 | 0.509 | -0.319074919 | count | 1 |
| ELP5 | -0.2573111 | 0.2348371 | -1.0957 | 0.273 | -0.3190638 | count | 1 |
| TSPAN3 | -0.233183 | 0.1345138 | -1.7335 | 0.0831 | -0.31892736 | count | 1 |
| ATP5MD | -0.2240274 | 0.0625578 | -3.5811 | 0.000349 | -0.318806822 | count | 1 |
| ASPH | -0.227531 | 0.1070718 | -2.125 | 0.0337 | -0.31870461 | count | 1 |
| ZNF484 | -0.5152335 | 0.6272097 | -0.8215 | 0.411 | -0.318234524 | count | 1 |
| ORMDL3 | -0.9023188 | 0.717635 | -1.2574 | 0.209 | -0.318203127 | count | 1 |
| DAXX | -0.2538034 | 0.2802436 | -0.9057 | 0.365 | -0.318027322 | count | 1 |
| CFAP44 | -2.8685432 | 1.4334524 | -2.0011 | 0.0455 | -0.317961253 | count | 1 |
| AL139089.1 | -1.4826891 | 1.1352802 | -1.306 | 0.192 | -0.317472702 | count | 1 |
| NPIPB6 | -1.4826891 | 1.507243 | -0.9837 | 0.325 | -0.317472702 | count | 1 |
| AC027097.2 | -1.4826891 | 0.998978 | -1.4842 | 0.138 | -0.317472702 | count | 1 |
| KATNA1 | -0.2515303 | 0.2353345 | -1.0688 | 0.285 | -0.317277814 | count | 1 |
| ATP2C1 | -0.2664287 | 0.2013939 | -1.3229 | 0.186 | -0.317254659 | count | 1 |
| EMC8 | -0.2456234 | 0.1772286 | -1.3859 | 0.166 | -0.317025061 | count | 1 |
| FLNB | -0.269894 | 0.3999209 | -0.6749 | 0.5 | -0.316979605 | count | 1 |
| ASPM | -0.7739051 | 0.7424906 | -1.0423 | 0.297 | -0.316787343 | count | 1 |
| GOLGA8A | -0.5125736 | 0.6942686 | -0.7383 | 0.46 | -0.31678112 | count | 1 |
| KAT2A | -0.6275299 | 0.3845909 | -1.6317 | 0.103 | -0.316766375 | count | 1 |
| FYTTD1 | -0.2316255 | 0.1263928 | -1.8326 | 0.067 | -0.31674439 | count | 1 |
| IL10RB-DT | -0.2355344 | 0.1584596 | -1.4864 | 0.137 | -0.316390397 | count | 1 |
| DUSP8 | -0.3636223 | 0.4162288 | -0.8736 | 0.382 | -0.31635992 | count | 1 |
| SERPINF1 | -0.2371758 | 0.1442882 | -1.6438 | 0.1 | -0.316091371 | count | 1 |
| PINLYP | -0.4315372 | 0.6526118 | -0.6612 | 0.509 | -0.315922525 | count | 1 |
| REXO4 | -0.2682211 | 0.2880927 | -0.931 | 0.352 | -0.315053201 | count | 1 |
| PTPN2 | -0.2238569 | 0.0894775 | -2.5018 | 0.0124 | -0.314892562 | count | 1 |
| SYNGR2 | -0.2221454 | 0.0749303 | -2.9647 | 0.00306 | -0.31478832 | count | 1 |

| | | | | | | | |
|-----------|------------|-----------|---------|----------|--------------|-------|-------------|
| MFSD14B | -0.2581698 | 0.2450045 | -1.0537 | 0.292 | -0.31452216 | count | 1 |
| CARF | -0.6824657 | 0.6365057 | -1.0722 | 0.284 | -0.314177035 | count | 1 |
| TMBIM6 | -0.2184649 | 0.037152 | -5.8803 | 4.65E-09 | -0.314049073 | count | 0.000111605 |
| ORAI2 | -0.251235 | 0.1848114 | -1.3594 | 0.174 | -0.313973707 | count | 1 |
| SLC16A3 | -0.2225341 | 0.0825482 | -2.6958 | 0.00707 | -0.313915971 | count | 1 |
| ATP5PF | -0.2193235 | 0.0518981 | -4.226 | 2.47E-05 | -0.313864854 | count | 0.5835622 |
| MORC2-AS1 | -0.367296 | 0.8864543 | -0.4143 | 0.679 | -0.31372318 | count | 1 |
| RPN2 | -0.2218367 | 0.0741157 | -2.9931 | 0.00279 | -0.313574485 | count | 1 |
| PSMG1 | -0.2472843 | 0.1973342 | -1.2531 | 0.21 | -0.31348479 | count | 1 |
| TXNL4B | -0.3669031 | 0.3955737 | -0.9275 | 0.354 | -0.313407294 | count | 1 |
| SEMA4C | -0.8832827 | 0.588166 | -1.5018 | 0.133 | -0.313232406 | count | 1 |
| MCF2L2 | -0.4428421 | 0.6041747 | -0.733 | 0.464 | -0.313222846 | count | 1 |
| DPP7 | -0.2198545 | 0.0630896 | -3.4848 | 0.000501 | -0.313092271 | count | 1 |
| ERRF1 | -0.5049647 | 0.3809142 | -1.3257 | 0.185 | -0.312612377 | count | 1 |
| SLC35E2A | -0.8809166 | 0.6544173 | -1.3461 | 0.178 | -0.31260976 | count | 1 |
| PDPK1 | -0.2388057 | 0.1840083 | -1.2978 | 0.194 | -0.31250336 | count | 1 |
| SLC49A3 | -0.2562827 | 0.2221101 | -1.1539 | 0.249 | -0.312258969 | count | 1 |
| PUS7 | -0.3812851 | 0.4072117 | -0.9363 | 0.349 | -0.312202269 | count | 1 |
| RAB38 | -0.4410695 | 0.5351287 | -0.8242 | 0.41 | -0.312079813 | count | 1 |
| PAPSS1 | -0.2267565 | 0.129983 | -1.7445 | 0.0812 | -0.312078304 | count | 1 |
| PIK3R1 | -0.2247087 | 0.0967371 | -2.3229 | 0.0203 | -0.31203313 | count | 1 |
| HSD17B14 | -0.2566057 | 0.274634 | -0.9344 | 0.35 | -0.312024884 | count | 1 |
| CHN2 | -0.3134524 | 0.310912 | -1.0082 | 0.313 | -0.311835648 | count | 1 |
| DERL1 | -0.225074 | 0.128237 | -1.7551 | 0.0794 | -0.311689574 | count | 1 |
| ZNF846 | -0.2780794 | 0.3105433 | -0.8955 | 0.371 | -0.311608481 | count | 1 |
| ZPR1 | -0.2360468 | 0.1873474 | -1.2599 | 0.208 | -0.311535688 | count | 1 |
| MMAA | -0.4577127 | 0.8089046 | -0.5658 | 0.572 | -0.311453941 | count | 1 |
| STK38L | -0.2283575 | 0.1339801 | -1.7044 | 0.0884 | -0.311381159 | count | 1 |
| PTMS | -0.2215591 | 0.0914288 | -2.4233 | 0.0155 | -0.310974363 | count | 1 |
| RAB8A | -0.2207959 | 0.0857482 | -2.5749 | 0.0101 | -0.310926829 | count | 1 |
| PSMC2 | -0.2289967 | 0.129284 | -1.7713 | 0.0766 | -0.310913954 | count | 1 |
| MPG | -0.2219039 | 0.1081616 | -2.0516 | 0.0403 | -0.310842538 | count | 1 |
| DACT3 | -0.6736103 | 0.6598874 | -1.0208 | 0.307 | -0.310833316 | count | 1 |
| ZNF444 | -0.4232547 | 0.5059399 | -0.8366 | 0.403 | -0.310355551 | count | 1 |
| IMPA1 | -0.2568214 | 0.2133011 | -1.204 | 0.229 | -0.31033356 | count | 1 |
| CDKN1A | -0.218624 | 0.0748561 | -2.9206 | 0.00353 | -0.310032294 | count | 1 |
| FAM96B | -0.217798 | 0.0604707 | -3.6017 | 0.000322 | -0.309952185 | count | 1 |
| MRPS17 | -0.3057663 | 0.765441 | -0.3995 | 0.69 | -0.309950911 | count | 1 |
| RHOC | -0.2196666 | 0.0901143 | -2.4376 | 0.0149 | -0.309745612 | count | 1 |
| AMD1 | -0.2211629 | 0.0772089 | -2.8645 | 0.00421 | -0.309712507 | count | 1 |
| FOCAD | -0.866934 | 0.6280996 | -1.3802 | 0.168 | -0.308908353 | count | 1 |
| C19orf70 | -0.2174034 | 0.074772 | -2.9075 | 0.00368 | -0.308825317 | count | 1 |
| FRMD6-AS1 | -1.4069228 | 1.2225224 | -1.1508 | 0.25 | -0.308485372 | count | 1 |
| FZD5 | -0.4355031 | 0.4404627 | -0.9887 | 0.323 | -0.308484382 | count | 1 |
| ZNF485 | -0.5265983 | 1.3767879 | -0.3825 | 0.702 | -0.308448673 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|------------|
| AC010542.2 | -0.5620354 | 0.7345217 | -0.7652 | 0.444 | -0.308193408 | count | 1 |
| CTSA | -0.2166262 | 0.0692806 | -3.1268 | 0.00179 | -0.308162583 | count | 1 |
| SLC4A2 | -0.290278 | 0.3226468 | -0.8997 | 0.368 | -0.308112812 | count | 1 |
| VEGFA | -0.2193179 | 0.0990476 | -2.2143 | 0.0269 | -0.307803453 | count | 1 |
| SNRPD1 | -0.2180086 | 0.0870154 | -2.5054 | 0.0123 | -0.307597701 | count | 1 |
| CAMK1D | -0.2388177 | 0.1735503 | -1.3761 | 0.169 | -0.307519506 | count | 1 |
| NDUFAF5 | -0.3527915 | 0.4419455 | -0.7983 | 0.425 | -0.307454126 | count | 1 |
| JOSD2 | -0.2203063 | 0.1090969 | -2.0194 | 0.0436 | -0.307384211 | count | 1 |
| STMN1 | -0.2179348 | 0.1205209 | -1.8083 | 0.0707 | -0.307041049 | count | 1 |
| YBX1 | -0.2129675 | 0.0285875 | -7.4497 | 1.29E-13 | -0.306815116 | count | 3.12E-09 |
| MAP1LC3B2 | -0.4322764 | 0.4938208 | -0.8754 | 0.381 | -0.306395996 | count | 1 |
| GNG5 | -0.2129471 | 0.0395159 | -5.3889 | 7.77E-08 | -0.30602368 | count | 0.00185804 |
| AC074327.1 | -0.4488525 | 0.5872015 | -0.7644 | 0.445 | -0.305986028 | count | 1 |
| ZNF471 | -1.0385505 | 1.0370026 | -1.0015 | 0.317 | -0.305783463 | count | 1 |
| RAC1 | -0.2126408 | 0.0347254 | -6.1235 | 1.06E-09 | -0.30574518 | count | 2.55E-05 |
| TOE1 | -0.3818992 | 0.4711034 | -0.8106 | 0.418 | -0.305734338 | count | 1 |
| PALD1 | -0.3040261 | 0.3254848 | -0.9341 | 0.35 | -0.305582281 | count | 1 |
| ELANE | -0.4161692 | 0.6952728 | -0.5986 | 0.55 | -0.305576992 | count | 1 |
| DDHD2 | -0.3723299 | 0.4486033 | -0.83 | 0.407 | -0.305332264 | count | 1 |
| ANAPC11 | -0.2143256 | 0.0604183 | -3.5474 | 0.000396 | -0.305191 | count | 1 |
| AL591846.2 | -0.7366855 | 0.7665078 | -0.9611 | 0.337 | -0.304700633 | count | 1 |
| TAGAP | -0.2181666 | 0.0949809 | -2.297 | 0.0217 | -0.304638764 | count | 1 |
| CACYBP | -0.216488 | 0.0854038 | -2.5349 | 0.0113 | -0.304629036 | count | 1 |
| MOB4 | -0.2330113 | 0.1564658 | -1.4892 | 0.137 | -0.304578417 | count | 1 |
| DBR1 | -0.3431788 | 0.5937863 | -0.5779 | 0.563 | -0.304522622 | count | 1 |
| PPM1J | -0.4660971 | 0.8843244 | -0.5271 | 0.598 | -0.304278885 | count | 1 |
| GINS2 | -0.4660971 | 0.6883675 | -0.6771 | 0.498 | -0.304278885 | count | 1 |
| HIST1H1E | -0.2262842 | 0.2371567 | -0.9542 | 0.34 | -0.304040169 | count | 1 |
| EFHD2 | -0.2117469 | 0.0471556 | -4.4904 | 7.44E-06 | -0.303738193 | count | 0.17645448 |
| ZNF670 | -1.3670652 | 1.2088991 | -1.1308 | 0.258 | -0.303519151 | count | 1 |
| AC091564.6 | -1.3670652 | 1.2088991 | -1.1308 | 0.258 | -0.303519151 | count | 1 |
| TYW1 | -0.3180264 | 0.3110605 | -1.0224 | 0.307 | -0.303235596 | count | 1 |
| MET | -0.5954091 | 0.7620487 | -0.7813 | 0.435 | -0.303017909 | count | 1 |
| USP14 | -0.2209034 | 0.1299135 | -1.7004 | 0.0892 | -0.302725583 | count | 1 |
| AL121832.2 | -0.8435065 | 0.768013 | -1.0983 | 0.272 | -0.302622644 | count | 1 |
| COL1A2 | -0.6518772 | 0.5151435 | -1.2654 | 0.206 | -0.302547147 | count | 1 |
| HDAC4 | -0.3604061 | 0.3967545 | -0.9084 | 0.364 | -0.302329335 | count | 1 |
| RCAN3 | -0.2825771 | 0.3105587 | -0.9099 | 0.363 | -0.302070893 | count | 1 |
| ARHGAP10 | -0.2222974 | 0.1813485 | -1.2258 | 0.22 | -0.302017432 | count | 1 |
| SLC39A1 | -0.2175931 | 0.1177454 | -1.848 | 0.0647 | -0.301771731 | count | 1 |
| DDX11 | -0.3396323 | 0.3859933 | -0.8799 | 0.379 | -0.301536425 | count | 1 |
| MED12 | -0.3199244 | 0.5292775 | -0.6045 | 0.546 | -0.301324774 | count | 1 |
| PHB | -0.2147653 | 0.0873777 | -2.4579 | 0.014 | -0.301131309 | count | 1 |
| FAM71A | -2.328968 | 1.2131164 | -1.9198 | 0.055 | -0.300786627 | count | 1 |
| CBFA2T2 | -0.3152467 | 0.449176 | -0.7018 | 0.483 | -0.300695787 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|---|
| TPD52L2 | -0.2179614 | 0.1453951 | -1.4991 | 0.134 | -0.30064008 | count | 1 |
| ACYP1 | -0.2539834 | 0.3252963 | -0.7808 | 0.435 | -0.300319198 | count | 1 |
| FAM96A | -0.2124706 | 0.0798299 | -2.6615 | 0.00783 | -0.300037335 | count | 1 |
| B4GALT7 | -0.2351781 | 0.2291364 | -1.0264 | 0.305 | -0.299954042 | count | 1 |
| POP1 | -0.3183672 | 0.3807301 | -0.8362 | 0.403 | -0.299921378 | count | 1 |
| GTF2IRD2B | -2.300766 | 1.2168823 | -1.8907 | 0.0588 | -0.299623192 | count | 1 |
| FKBP3 | -0.2165021 | 0.1333315 | -1.6238 | 0.105 | -0.299388979 | count | 1 |
| SLC2A8 | -0.2634989 | 0.2335376 | -1.1283 | 0.259 | -0.299337421 | count | 1 |
| RAB9A | -0.2204012 | 0.1417475 | -1.5549 | 0.12 | -0.299302542 | count | 1 |
| AC073508.3 | -0.8312541 | 1.0515493 | -0.7905 | 0.429 | -0.299293002 | count | 1 |
| PPP4C | -0.2104738 | 0.0764283 | -2.7539 | 0.00593 | -0.299120373 | count | 1 |
| MCM4 | -0.3939787 | 0.4622786 | -0.8523 | 0.394 | -0.299089875 | count | 1 |
| GGA1 | -0.216179 | 0.1465096 | -1.4755 | 0.14 | -0.299018219 | count | 1 |
| GMPR | -0.2851126 | 0.403013 | -0.7075 | 0.479 | -0.298754062 | count | 1 |
| ZNF611 | -0.3058038 | 0.7330817 | -0.4171 | 0.677 | -0.298552271 | count | 1 |
| C14orf93 | -0.6412916 | 0.4914333 | -1.3049 | 0.192 | -0.298469908 | count | 1 |
| VMA21 | -0.2131082 | 0.0958172 | -2.2241 | 0.0262 | -0.297852228 | count | 1 |
| KIF13B | -0.2305265 | 0.2180868 | -1.057 | 0.291 | -0.297723629 | count | 1 |
| RGS13 | -1.32131 | 1.0681256 | -1.237 | 0.216 | -0.297607862 | count | 1 |
| HDGFL3 | -0.295659 | 0.3343177 | -0.8844 | 0.377 | -0.297466451 | count | 1 |
| HSPB1 | -0.2094262 | 0.0824989 | -2.5385 | 0.0112 | -0.297228642 | count | 1 |
| MFSD5 | -0.2584357 | 0.37853 | -0.6827 | 0.495 | -0.297023511 | count | 1 |
| ZNF329 | -0.637143 | 1.0120277 | -0.6296 | 0.529 | -0.296864605 | count | 1 |
| IFT52 | -0.2507937 | 0.2866178 | -0.875 | 0.382 | -0.296613946 | count | 1 |
| ARFGAP1 | -0.2829069 | 0.4186326 | -0.6758 | 0.499 | -0.296512518 | count | 1 |
| TRPV2 | -0.2467976 | 0.2301702 | -1.0722 | 0.284 | -0.296412091 | count | 1 |
| KCTD9 | -0.3181332 | 0.3555074 | -0.8949 | 0.371 | -0.295914891 | count | 1 |
| NDUFB8 | -0.2075449 | 0.057813 | -3.5899 | 0.000337 | -0.295545653 | count | 1 |
| OLFML3 | -0.3323905 | 0.4422027 | -0.7517 | 0.452 | -0.295427656 | count | 1 |
| APOBEC3F | -0.53526 | 0.676734 | -0.7909 | 0.429 | -0.295421105 | count | 1 |
| RNF7 | -0.2070133 | 0.0625108 | -3.3116 | 0.000941 | -0.295350386 | count | 1 |
| ATP6V1B2 | -0.2095764 | 0.0890316 | -2.354 | 0.0187 | -0.294986305 | count | 1 |
| COA7 | -0.3020018 | 0.4319529 | -0.6992 | 0.485 | -0.294981628 | count | 1 |
| SLC5A3 | -0.2325237 | 0.2493523 | -0.9325 | 0.351 | -0.294977744 | count | 1 |
| GPSM1 | -0.8135455 | 1.0741615 | -0.7574 | 0.449 | -0.294429009 | count | 1 |
| MYO9B | -0.2110608 | 0.1279847 | -1.6491 | 0.0993 | -0.294261057 | count | 1 |
| MPC1 | -0.2129323 | 0.0971886 | -2.1909 | 0.0286 | -0.294128871 | count | 1 |
| M6PR | -0.2062128 | 0.0647845 | -3.1831 | 0.00148 | -0.293991473 | count | 1 |
| SUGP2 | -0.2331309 | 0.2442452 | -0.9545 | 0.34 | -0.293966359 | count | 1 |
| DGUOK | -0.21069 | 0.1036927 | -2.0319 | 0.0423 | -0.293448924 | count | 1 |
| FIZ1 | -0.4701432 | 0.6839644 | -0.6874 | 0.492 | -0.293324211 | count | 1 |
| AC083798.2 | -0.8092649 | 0.6694993 | -1.2088 | 0.227 | -0.293244063 | count | 1 |
| CHORDC1 | -0.2159107 | 0.1400274 | -1.5419 | 0.123 | -0.293083803 | count | 1 |
| MRRF | -0.258713 | 0.2759517 | -0.9375 | 0.349 | -0.292845101 | count | 1 |
| CREB3L4 | -0.3973051 | 0.5232652 | -0.7593 | 0.448 | -0.292782553 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|-----------|
| AC124283.1 | -0.6262519 | 0.4643419 | -1.3487 | 0.178 | -0.292630454 | count | 1 |
| LAMC1 | -0.3288339 | 0.6749112 | -0.4872 | 0.626 | -0.292422079 | count | 1 |
| RABAC1 | -0.2049789 | 0.0619048 | -3.3112 | 0.000942 | -0.292377789 | count | 1 |
| LINC01011 | -0.8053582 | 0.6952678 | -1.1583 | 0.247 | -0.292159483 | count | 1 |
| HTRA4 | -2.125894 | 1.0193844 | -2.0855 | 0.0371 | -0.291678205 | count | 1 |
| POLR3G | -0.9702326 | 1.0880352 | -0.8917 | 0.373 | -0.291672105 | count | 1 |
| CLMP | -0.9702326 | 1.1566616 | -0.8388 | 0.402 | -0.291672105 | count | 1 |
| UBE2L3 | -0.2054738 | 0.0711708 | -2.8871 | 0.00392 | -0.291554271 | count | 1 |
| RPL35 | -0.2025852 | 0.0304438 | -6.6544 | 3.50E-11 | -0.29135654 | count | 8.43E-07 |
| MKL2 | -0.3007552 | 0.3879961 | -0.7752 | 0.438 | -0.290686948 | count | 1 |
| SPAG9 | -0.2048274 | 0.0796915 | -2.5703 | 0.0102 | -0.290592921 | count | 1 |
| GMPPB | -0.2430084 | 0.3062946 | -0.7934 | 0.428 | -0.290545203 | count | 1 |
| ACTR1B | -0.2363114 | 0.2753424 | -0.8582 | 0.391 | -0.290432979 | count | 1 |
| MINOS1 | -0.2048232 | 0.0700592 | -2.9236 | 0.00349 | -0.29042138 | count | 1 |
| EIF5 | -0.2044863 | 0.0623446 | -3.2799 | 0.00105 | -0.290353822 | count | 1 |
| GMNN | -0.2409026 | 0.2404101 | -1.002 | 0.316 | -0.290106816 | count | 1 |
| UTP11 | -0.2152574 | 0.1592885 | -1.3514 | 0.177 | -0.290090969 | count | 1 |
| INTS7 | -0.3811481 | 0.7837781 | -0.4863 | 0.627 | -0.290036111 | count | 1 |
| CENPP | -0.3811481 | 0.5172115 | -0.7369 | 0.461 | -0.290036111 | count | 1 |
| MRPL55 | -0.2106424 | 0.1282015 | -1.6431 | 0.1 | -0.289849424 | count | 1 |
| SPATA2L | -0.2324864 | 0.2369742 | -0.9811 | 0.327 | -0.289557985 | count | 1 |
| POLD4 | -0.3030628 | 0.3494834 | -0.8672 | 0.386 | -0.289538873 | count | 1 |
| VBP1 | -0.2133231 | 0.1466256 | -1.4549 | 0.146 | -0.289283517 | count | 1 |
| IP6K2 | -0.234457 | 0.2424792 | -0.9669 | 0.334 | -0.288692947 | count | 1 |
| TUFT1 | -0.6159605 | 0.7642925 | -0.8059 | 0.42 | -0.288603005 | count | 1 |
| NAT10 | -0.2951122 | 0.3704591 | -0.7966 | 0.426 | -0.288501594 | count | 1 |
| C8orf33 | -0.2182703 | 0.2059962 | -1.0596 | 0.289 | -0.287924786 | count | 1 |
| PHPT1 | -0.2023486 | 0.0737677 | -2.743 | 0.00613 | -0.287498711 | count | 1 |
| NCL | -0.2003487 | 0.0470744 | -4.256 | 2.16E-05 | -0.28746845 | count | 0.5106672 |
| ID3 | -0.206916 | 0.1839001 | -1.1252 | 0.261 | -0.287071762 | count | 1 |
| SGK1 | -0.1997938 | 0.0612971 | -3.2594 | 0.00113 | -0.287025502 | count | 1 |
| LINC01534 | -1.242375 | 1.0535413 | -1.1792 | 0.238 | -0.286861715 | count | 1 |
| TRIP10 | -0.2614234 | 0.3607293 | -0.7247 | 0.469 | -0.286458377 | count | 1 |
| NDUFB7 | -0.2014086 | 0.0720514 | -2.7953 | 0.00522 | -0.28582627 | count | 1 |
| RBM8A | -0.2002332 | 0.0560929 | -3.5697 | 0.000364 | -0.285824957 | count | 1 |
| ZNHIT2 | -0.3549949 | 0.5342104 | -0.6645 | 0.506 | -0.28552344 | count | 1 |
| C10orf95 | -0.6075687 | 0.9148075 | -0.6641 | 0.507 | -0.285299893 | count | 1 |
| SNHG15 | -0.204358 | 0.1028364 | -1.9872 | 0.047 | -0.285234027 | count | 1 |
| FSD1L | -0.3637261 | 0.5458566 | -0.6663 | 0.505 | -0.285103219 | count | 1 |
| GGCT | -0.2147452 | 0.1587242 | -1.3529 | 0.176 | -0.28508102 | count | 1 |
| MBTD1 | -0.3386068 | 0.3968015 | -0.8533 | 0.394 | -0.285052693 | count | 1 |
| CLUAP1 | -0.2756017 | 0.3905953 | -0.7056 | 0.481 | -0.284882539 | count | 1 |
| DERL2 | -0.208019 | 0.1244066 | -1.6721 | 0.0946 | -0.284654288 | count | 1 |
| 6-Sep | -0.2079352 | 0.1082622 | -1.9207 | 0.0549 | -0.28454009 | count | 1 |
| RNF185 | -0.3094708 | 0.4065907 | -0.7611 | 0.447 | -0.284332746 | count | 1 |

| | | | | | | | |
|--------------|------------|-----------|---------|----------|--------------|-------|------------|
| CCSER2 | -0.2236813 | 0.2026605 | -1.1037 | 0.27 | -0.284199969 | count | 1 |
| LMAN2L | -0.7754903 | 0.6713209 | -1.1552 | 0.248 | -0.283768157 | count | 1 |
| ANKRD36B | -0.3721305 | 0.4930114 | -0.7548 | 0.45 | -0.283643989 | count | 1 |
| TOR3A | -0.2169812 | 0.1738077 | -1.2484 | 0.212 | -0.283598223 | count | 1 |
| NIP7 | -0.2298586 | 0.2567829 | -0.8951 | 0.371 | -0.283592402 | count | 1 |
| ERMAP | -0.3041972 | 0.3925053 | -0.775 | 0.438 | -0.283496673 | count | 1 |
| CD47 | -0.2012296 | 0.0846236 | -2.3779 | 0.0175 | -0.283481533 | count | 1 |
| FHL1 | -0.3081048 | 0.4303068 | -0.716 | 0.474 | -0.283132231 | count | 1 |
| AP006623.1 | -1.9575034 | 1.0809182 | -1.811 | 0.0703 | -0.282701461 | count | 1 |
| RNF6 | -0.2475715 | 0.2281385 | -1.0852 | 0.278 | -0.282699135 | count | 1 |
| C12orf49 | -0.2193446 | 0.2064504 | -1.0625 | 0.288 | -0.282673236 | count | 1 |
| MROH1 | -0.2633928 | 0.3033 | -0.8684 | 0.385 | -0.282106007 | count | 1 |
| ACBD6 | -0.2076305 | 0.1519583 | -1.3664 | 0.172 | -0.281969834 | count | 1 |
| LETM2 | -0.4085125 | 0.5368102 | -0.761 | 0.447 | -0.28080114 | count | 1 |
| ELAC2 | -0.2760486 | 0.3595007 | -0.7679 | 0.443 | -0.280787057 | count | 1 |
| BLMH | -0.2439884 | 0.2960705 | -0.8241 | 0.41 | -0.280738088 | count | 1 |
| DAD1 | -0.1960925 | 0.0545886 | -3.5922 | 0.000334 | -0.280638962 | count | 1 |
| GRB2 | -0.1957493 | 0.0460265 | -4.253 | 2.19E-05 | -0.28043244 | count | 0.517716 |
| STOM | -0.2081926 | 0.1250461 | -1.6649 | 0.0961 | -0.280344271 | count | 1 |
| MRPL18 | -0.200784 | 0.0925364 | -2.1698 | 0.0301 | -0.280322154 | count | 1 |
| DFFA | -0.233737 | 0.2731527 | -0.8557 | 0.392 | -0.280305458 | count | 1 |
| CD226 | -0.3197504 | 0.577085 | -0.5541 | 0.58 | -0.280078192 | count | 1 |
| TMEM165 | -0.1990215 | 0.0868983 | -2.2903 | 0.0221 | -0.279911563 | count | 1 |
| AFTPH | -0.2137615 | 0.170341 | -1.2549 | 0.21 | -0.279798044 | count | 1 |
| CWC15 | -0.2010027 | 0.123373 | -1.6292 | 0.103 | -0.279321802 | count | 1 |
| GGA2 | -0.2079861 | 0.1608709 | -1.2929 | 0.196 | -0.279292497 | count | 1 |
| FAHD2B | -1.1887693 | 1.030052 | -1.1541 | 0.249 | -0.279152473 | count | 1 |
| DBN1 | -1.1887693 | 1.1701911 | -1.0159 | 0.31 | -0.279152473 | count | 1 |
| IPO4 | -1.1887693 | 1.030052 | -1.1541 | 0.249 | -0.279152473 | count | 1 |
| SLFN13 | -1.1887693 | 1.1701911 | -1.0159 | 0.31 | -0.279152473 | count | 1 |
| SUGP1 | -0.2768445 | 0.3269885 | -0.8466 | 0.397 | -0.279152077 | count | 1 |
| RAB18 | -0.2051859 | 0.1264757 | -1.6223 | 0.105 | -0.279014868 | count | 1 |
| NARS2 | -0.3656003 | 0.4327462 | -0.8448 | 0.398 | -0.279000174 | count | 1 |
| MAST2 | -0.4696575 | 0.5551198 | -0.846 | 0.398 | -0.278739356 | count | 1 |
| NFKBIE | -0.2077934 | 0.16413 | -1.266 | 0.206 | -0.278306546 | count | 1 |
| MDN1 | -0.2874193 | 0.4558314 | -0.6305 | 0.528 | -0.27827165 | count | 1 |
| GPR132 | -0.2383651 | 0.2041047 | -1.1679 | 0.243 | -0.278070821 | count | 1 |
| PARD6G-AS1 | -0.7552477 | 0.4638415 | -1.6282 | 0.104 | -0.277980405 | count | 1 |
| BOLA2-SMG1P6 | -0.6572207 | 0.7005612 | -0.9381 | 0.348 | -0.277869427 | count | 1 |
| UQCRFS1 | -0.1966049 | 0.0832221 | -2.3624 | 0.0182 | -0.277755959 | count | 1 |
| TRAM2 | -0.4036829 | 0.6310262 | -0.6397 | 0.522 | -0.277754184 | count | 1 |
| COX14 | -0.1974196 | 0.0821058 | -2.4045 | 0.0163 | -0.277400997 | count | 1 |
| RPL27A | -0.1933973 | 0.0379991 | -5.0895 | 3.86E-07 | -0.277343864 | count | 0.00920803 |
| TCTN3 | -0.2863155 | 0.2657445 | -1.0774 | 0.281 | -0.277241953 | count | 1 |
| B3GALT6 | -0.2271294 | 0.2429071 | -0.935 | 0.35 | -0.277223377 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|---|
| SMARCC1 | -0.2080672 | 0.1721047 | -1.209 | 0.227 | -0.277046492 | count | 1 |
| UQCC2 | -0.2029873 | 0.1248029 | -1.6265 | 0.104 | -0.276751745 | count | 1 |
| IGF2R | -0.2018316 | 0.1681225 | -1.2005 | 0.23 | -0.276434077 | count | 1 |
| AP3D1 | -0.2157952 | 0.1775887 | -1.2151 | 0.224 | -0.276315802 | count | 1 |
| PODXL | -1.1693888 | 1.3125035 | -0.891 | 0.373 | -0.276280686 | count | 1 |
| AL136040.1 | -1.1686596 | 0.7384459 | -1.5826 | 0.114 | -0.27617174 | count | 1 |
| TMED10 | -0.1943491 | 0.0684254 | -2.8403 | 0.00454 | -0.276001123 | count | 1 |
| TMEM17 | -0.4951539 | 1.5116908 | -0.3275 | 0.743 | -0.275928726 | count | 1 |
| SRSF2 | -0.1953902 | 0.0702219 | -2.7825 | 0.00544 | -0.275592344 | count | 1 |
| EZH2 | -0.2952894 | 0.3649868 | -0.809 | 0.419 | -0.275531283 | count | 1 |
| POLR2D | -0.2375187 | 0.269863 | -0.8801 | 0.379 | -0.275316366 | count | 1 |
| CLPP | -0.2016773 | 0.133753 | -1.5078 | 0.132 | -0.275216185 | count | 1 |
| KLHL21 | -0.2701513 | 0.318082 | -0.8493 | 0.396 | -0.27497342 | count | 1 |
| COPS8 | -0.2097706 | 0.1944713 | -1.0787 | 0.281 | -0.2749719 | count | 1 |
| SETD5 | -0.2140373 | 0.2429805 | -0.8809 | 0.378 | -0.274884462 | count | 1 |
| LPAR5 | -0.3408739 | 0.3870489 | -0.8807 | 0.379 | -0.27483097 | count | 1 |
| DUSP16 | -0.4367559 | 0.4628561 | -0.9436 | 0.345 | -0.274506973 | count | 1 |
| PLGRKT | -0.2052482 | 0.1507222 | -1.3618 | 0.173 | -0.274371605 | count | 1 |
| PSMD3 | -0.2020453 | 0.1232547 | -1.6393 | 0.101 | -0.274349122 | count | 1 |
| SH3BP4 | -0.5795896 | 0.5404497 | -1.0724 | 0.284 | -0.274162945 | count | 1 |
| KLHDC1 | -0.5795896 | 0.5896615 | -0.9829 | 0.326 | -0.274162945 | count | 1 |
| ARL2 | -0.1985954 | 0.1155357 | -1.7189 | 0.0858 | -0.273940793 | count | 1 |
| AL020996.1 | -0.8878241 | 1.0519419 | -0.844 | 0.399 | -0.273644832 | count | 1 |
| LINC01526 | -0.8878241 | 1.3772968 | -0.6446 | 0.519 | -0.273644832 | count | 1 |
| VLDLR | -0.8878241 | 1.0611704 | -0.8366 | 0.403 | -0.273644832 | count | 1 |
| DLGAP5 | -0.8878241 | 1.0611704 | -0.8366 | 0.403 | -0.273644832 | count | 1 |
| ACOT2 | -0.8878241 | 1.0611704 | -0.8366 | 0.403 | -0.273644832 | count | 1 |
| RAC3 | -0.8878241 | 1.0519419 | -0.844 | 0.399 | -0.273644832 | count | 1 |
| ASIP | -0.8878241 | 1.0611704 | -0.8366 | 0.403 | -0.273644832 | count | 1 |
| AC006116.8 | -0.8878241 | 1.0611704 | -0.8366 | 0.403 | -0.273644832 | count | 1 |
| BACE2 | -0.8873977 | 0.744934 | -1.1912 | 0.234 | -0.273548617 | count | 1 |
| SMARCAD1 | -0.2384713 | 0.2438014 | -0.9781 | 0.328 | -0.273521949 | count | 1 |
| EIF5B | -0.1935697 | 0.082194 | -2.355 | 0.0186 | -0.273087084 | count | 1 |
| GALC | -0.2197763 | 0.2348422 | -0.9358 | 0.349 | -0.273076382 | count | 1 |
| EIF5A | -0.1909945 | 0.0538903 | -3.5441 | 0.000401 | -0.272760963 | count | 1 |
| UQCRHL | -0.4130553 | 0.5351415 | -0.7719 | 0.44 | -0.272709085 | count | 1 |
| INF2 | -0.2228754 | 0.3353805 | -0.6645 | 0.506 | -0.272623547 | count | 1 |
| KIF5B | -0.1931041 | 0.0685758 | -2.8159 | 0.0049 | -0.272382971 | count | 1 |
| CDK10 | -0.277902 | 0.2840474 | -0.9784 | 0.328 | -0.272260332 | count | 1 |
| SLC26A11 | -0.316103 | 0.4041113 | -0.7822 | 0.434 | -0.272190707 | count | 1 |
| HEXA | -0.1933332 | 0.1062641 | -1.8194 | 0.069 | -0.272164898 | count | 1 |
| AURKC | -1.787629 | 1.3340195 | -1.34 | 0.18 | -0.272120886 | count | 1 |
| COQ2 | -0.2059132 | 0.1797757 | -1.1454 | 0.252 | -0.272034315 | count | 1 |
| RHOQ | -0.1949536 | 0.0725338 | -2.6878 | 0.00724 | -0.272013247 | count | 1 |
| CD70 | -1.1405897 | 0.8961243 | -1.2728 | 0.203 | -0.271928491 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|---------|--------------|-------|---|
| UBE2N | -0.193242 | 0.0918572 | -2.1037 | 0.0355 | -0.27191956 | count | 1 |
| BCORL1 | -0.3944336 | 0.5825558 | -0.6771 | 0.498 | -0.271899981 | count | 1 |
| MPP6 | -0.6397697 | 0.8880501 | -0.7204 | 0.471 | -0.271787691 | count | 1 |
| PELP1 | -0.3155058 | 0.3761585 | -0.8388 | 0.402 | -0.271701788 | count | 1 |
| COMMD7 | -0.1956001 | 0.1105041 | -1.7701 | 0.0768 | -0.271616444 | count | 1 |
| NACC1 | -0.237636 | 0.3287433 | -0.7229 | 0.47 | -0.271570836 | count | 1 |
| COMMD10 | -0.2006072 | 0.1609613 | -1.2463 | 0.213 | -0.271440819 | count | 1 |
| TIMM50 | -0.2101687 | 0.2174357 | -0.9666 | 0.334 | -0.271423497 | count | 1 |
| PPT1 | -0.1917305 | 0.0608123 | -3.1528 | 0.00164 | -0.271210967 | count | 1 |
| POLR2K | -0.1942921 | 0.102193 | -1.9012 | 0.0574 | -0.270874382 | count | 1 |
| C5orf34 | -0.4099575 | 0.9967237 | -0.4113 | 0.681 | -0.270840295 | count | 1 |
| VPS35 | -0.1907185 | 0.0638591 | -2.9866 | 0.00285 | -0.270739452 | count | 1 |
| CRYZ | -0.2633845 | 0.607487 | -0.4336 | 0.665 | -0.270498022 | count | 1 |
| C6orf52 | -0.5702237 | 0.8785008 | -0.6491 | 0.516 | -0.27039215 | count | 1 |
| AC006027.1 | -0.5702237 | 1.95502 | -0.2917 | 0.771 | -0.27039215 | count | 1 |
| CNOT6 | -0.2631776 | 0.350235 | -0.7514 | 0.452 | -0.270291755 | count | 1 |
| ARID4B | -0.1942745 | 0.0991587 | -1.9592 | 0.0502 | -0.270154569 | count | 1 |
| SLC22A18AS | -0.2372658 | 0.2896507 | -0.8191 | 0.413 | -0.270116945 | count | 1 |
| LINC02542 | -0.634954 | 1.7243502 | -0.3682 | 0.713 | -0.270097371 | count | 1 |
| FAM86B1 | -0.634954 | 1.1671709 | -0.544 | 0.586 | -0.270097371 | count | 1 |
| ADPRHL1 | -0.634954 | 1.1671709 | -0.544 | 0.586 | -0.270097371 | count | 1 |
| C19orf44 | -0.634954 | 1.2393887 | -0.5123 | 0.608 | -0.270097371 | count | 1 |
| HOMER3-AS1 | -0.634954 | 1.0877855 | -0.5837 | 0.559 | -0.270097371 | count | 1 |
| SHANK3 | -0.634954 | 1.1671709 | -0.544 | 0.586 | -0.270097371 | count | 1 |
| SMCR5 | -0.8714095 | 0.79357 | -1.0981 | 0.272 | -0.269919138 | count | 1 |
| SYT1 | -0.8705282 | 0.7329205 | -1.1878 | 0.235 | -0.269717813 | count | 1 |
| TBC1D8-AS1 | -0.5670617 | 0.69006 | -0.8218 | 0.411 | -0.269114251 | count | 1 |
| CLMN | -0.22077 | 0.2919256 | -0.7563 | 0.45 | -0.269033321 | count | 1 |
| MAPK9 | -0.2392408 | 0.2500878 | -0.9566 | 0.339 | -0.268985696 | count | 1 |
| DLC1 | -0.5662224 | 0.6699043 | -0.8452 | 0.398 | -0.268774657 | count | 1 |
| ACADVL | -0.1899113 | 0.0873915 | -2.1731 | 0.0299 | -0.268559238 | count | 1 |
| PITPNA | -0.1941179 | 0.1367498 | -1.4195 | 0.156 | -0.268361692 | count | 1 |
| UBAC1 | -0.1921489 | 0.1109746 | -1.7315 | 0.0835 | -0.268274844 | count | 1 |
| INTS2 | -0.3244599 | 0.4332876 | -0.7488 | 0.454 | -0.268212294 | count | 1 |
| BCLAF3 | -0.2354845 | 0.3981828 | -0.5914 | 0.554 | -0.268127803 | count | 1 |
| AC005726.5 | -0.3243011 | 0.4706397 | -0.6891 | 0.491 | -0.268088051 | count | 1 |
| NUP98 | -0.215934 | 0.2009339 | -1.0747 | 0.283 | -0.267935577 | count | 1 |
| NUDT1 | -0.1908568 | 0.1036354 | -1.8416 | 0.0657 | -0.267428559 | count | 1 |
| AL035587.1 | -0.8603871 | 0.7235617 | -1.1891 | 0.235 | -0.267391754 | count | 1 |
| NIPSNAP1 | -0.2541073 | 0.3905257 | -0.6507 | 0.515 | -0.267138531 | count | 1 |
| NSMCE3 | -0.1968391 | 0.1569911 | -1.2538 | 0.21 | -0.266887997 | count | 1 |
| MIF4GD | -0.1932599 | 0.121262 | -1.5937 | 0.111 | -0.266826864 | count | 1 |
| SSR3 | -0.1869186 | 0.0565355 | -3.3062 | 0.001 | -0.266659325 | count | 1 |
| ARPC5L | -0.1916763 | 0.1248494 | -1.5353 | 0.125 | -0.266072455 | count | 1 |
| FAM173A | -0.1925939 | 0.111782 | -1.7229 | 0.085 | -0.266017793 | count | 1 |

| | | | | | | | |
|-------------|------------|-----------|---------|----------|--------------|-------|-------------|
| DHRS11 | -0.284374 | 0.5225966 | -0.5442 | 0.586 | -0.26574135 | count | 1 |
| CHUK | -0.2582862 | 0.3223133 | -0.8014 | 0.423 | -0.265412221 | count | 1 |
| TTC1 | -0.1907877 | 0.1011095 | -1.8869 | 0.0593 | -0.265293399 | count | 1 |
| MRPL36 | -0.1919512 | 0.1363102 | -1.4082 | 0.159 | -0.265132858 | count | 1 |
| MAP1LC3B | -0.1853935 | 0.0576119 | -3.218 | 0.00131 | -0.265085198 | count | 1 |
| B4GALT1-AS1 | -0.3693321 | 0.5750937 | -0.6422 | 0.521 | -0.265046552 | count | 1 |
| BRD3OS | -0.4197973 | 0.6826282 | -0.615 | 0.539 | -0.264828003 | count | 1 |
| CORO1C | -0.1921124 | 0.1531817 | -1.2541 | 0.21 | -0.264641044 | count | 1 |
| LSM7 | -0.1860534 | 0.0694904 | -2.6774 | 0.00747 | -0.264476363 | count | 1 |
| RNF181 | -0.1855847 | 0.0683664 | -2.7146 | 0.00668 | -0.264402993 | count | 1 |
| ACBD3 | -0.1885418 | 0.1109128 | -1.6999 | 0.0893 | -0.26419153 | count | 1 |
| SFXN4 | -0.2253526 | 0.2766965 | -0.8144 | 0.415 | -0.263953666 | count | 1 |
| ABL2 | -0.2010638 | 0.1990593 | -1.0101 | 0.313 | -0.263639402 | count | 1 |
| PIGZ | -0.3117014 | 0.9255702 | -0.3368 | 0.736 | -0.263540716 | count | 1 |
| TMEM8A | -0.2033261 | 0.196589 | -1.0343 | 0.301 | -0.263533607 | count | 1 |
| MICAL2 | -0.2543367 | 0.2722678 | -0.9341 | 0.35 | -0.263512832 | count | 1 |
| GOSR2 | -0.216577 | 0.2232466 | -0.9701 | 0.332 | -0.263459298 | count | 1 |
| PFDN2 | -0.1851572 | 0.0678887 | -2.7274 | 0.00643 | -0.263333514 | count | 1 |
| HIST1H4C | -0.1889925 | 0.1604974 | -1.1775 | 0.239 | -0.263327103 | count | 1 |
| MRS2 | -0.2684392 | 0.3471932 | -0.7732 | 0.439 | -0.263297571 | count | 1 |
| FCRLB | -0.2854692 | 0.516629 | -0.5526 | 0.581 | -0.2631642 | count | 1 |
| CST7 | -0.2177116 | 0.2735461 | -0.7959 | 0.426 | -0.263148827 | count | 1 |
| NOMO1 | -0.304858 | 0.6112772 | -0.4987 | 0.618 | -0.262967468 | count | 1 |
| RPF2 | -0.1917671 | 0.1234935 | -1.5529 | 0.121 | -0.262944712 | count | 1 |
| COX8A | -0.1834254 | 0.0445135 | -4.1207 | 3.90E-05 | -0.262901212 | count | 0.919737 |
| HES6 | -0.298997 | 0.3992483 | -0.7489 | 0.454 | -0.26272498 | count | 1 |
| GTF2H1 | -0.219119 | 0.206435 | -1.0614 | 0.289 | -0.262395122 | count | 1 |
| RDH10 | -0.3100258 | 0.501146 | -0.6186 | 0.536 | -0.262194158 | count | 1 |
| SSR4 | -0.1826836 | 0.0422986 | -4.3189 | 1.63E-05 | -0.262024914 | count | 0.385658 |
| SLAMF1 | -1.0764158 | 0.8531133 | -1.2618 | 0.207 | -0.261857505 | count | 1 |
| ZMIZ2 | -0.2437137 | 0.3459577 | -0.7045 | 0.481 | -0.261538521 | count | 1 |
| GAS8 | -0.3781414 | 0.832711 | -0.4541 | 0.65 | -0.261527843 | count | 1 |
| BAG2 | -0.4373147 | 0.5335871 | -0.8196 | 0.413 | -0.261463326 | count | 1 |
| DHX32 | -0.251859 | 0.4407393 | -0.5714 | 0.568 | -0.261015839 | count | 1 |
| MAGED1 | -0.3309552 | 0.5488423 | -0.603 | 0.547 | -0.260919703 | count | 1 |
| AL021068.1 | -0.8320738 | 0.8023904 | -1.037 | 0.3 | -0.26080461 | count | 1 |
| NXT1 | -0.185013 | 0.0926287 | -1.9974 | 0.0459 | -0.260612082 | count | 1 |
| CDC20 | -0.3302738 | 0.9012916 | -0.3664 | 0.714 | -0.260413539 | count | 1 |
| ILK | -0.1879642 | 0.1069867 | -1.7569 | 0.0791 | -0.260356959 | count | 1 |
| LAPTM5 | -0.1812031 | 0.0339074 | -5.3441 | 9.93E-08 | -0.260211828 | count | 0.002373767 |
| GPATCH4 | -0.2054603 | 0.2203283 | -0.9325 | 0.351 | -0.260058314 | count | 1 |
| SMIM30 | -0.203682 | 0.159745 | -1.275 | 0.202 | -0.259874149 | count | 1 |
| ZCCHC17 | -0.1909126 | 0.1408273 | -1.3557 | 0.175 | -0.259623787 | count | 1 |
| COX20 | -0.1844954 | 0.1085796 | -1.6992 | 0.0894 | -0.259506031 | count | 1 |
| DACH1 | -1.612705 | 1.0499575 | -1.536 | 0.125 | -0.259383454 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|-------------|
| SLC17A9 | -0.2615904 | 0.5216478 | -0.5015 | 0.616 | -0.25938339 | count | 1 |
| TGIF1 | -0.185098 | 0.0888917 | -2.0823 | 0.0374 | -0.259344579 | count | 1 |
| NKIRAS1 | -0.2274964 | 0.2762892 | -0.8234 | 0.41 | -0.259199921 | count | 1 |
| GGCX | -0.2003286 | 0.188756 | -1.0613 | 0.289 | -0.258817803 | count | 1 |
| GLOD4 | -0.1910277 | 0.1326766 | -1.4398 | 0.15 | -0.25853777 | count | 1 |
| NPRL2 | -0.2555703 | 0.3670792 | -0.6962 | 0.486 | -0.258336319 | count | 1 |
| RPLP0 | -0.1793645 | 0.0322284 | -5.5654 | 2.90E-08 | -0.258317129 | count | 0.000694608 |
| AC008915.2 | -0.2798842 | 0.5047779 | -0.5545 | 0.579 | -0.258215881 | count | 1 |
| NFS1 | -0.2417025 | 0.4114101 | -0.5875 | 0.557 | -0.257823211 | count | 1 |
| HLA-DRA | -0.178681 | 0.0472362 | -3.7827 | 0.000159 | -0.257694456 | count | 1 |
| USP9X | -0.1982857 | 0.1704672 | -1.1632 | 0.245 | -0.257459004 | count | 1 |
| SAT1 | -0.1785758 | 0.0351745 | -5.0769 | 4.13E-07 | -0.257384571 | count | 0.009850463 |
| G3BP2 | -0.1834489 | 0.0909373 | -2.0173 | 0.0438 | -0.257205624 | count | 1 |
| PGM3 | -0.2237401 | 0.3501099 | -0.6391 | 0.523 | -0.256923146 | count | 1 |
| CYP51A1 | -0.3708058 | 0.5244934 | -0.707 | 0.48 | -0.256832714 | count | 1 |
| TMEM201 | -1.0432195 | 1.1229209 | -0.929 | 0.353 | -0.256440756 | count | 1 |
| SPIN4 | -1.0432195 | 1.1229209 | -0.929 | 0.353 | -0.256440756 | count | 1 |
| ABHD8 | -0.2207916 | 0.2917786 | -0.7567 | 0.449 | -0.256250461 | count | 1 |
| NR4A3 | -0.1818403 | 0.1135237 | -1.6018 | 0.109 | -0.256119166 | count | 1 |
| MORF4L2 | -0.1886995 | 0.1287197 | -1.466 | 0.143 | -0.256036906 | count | 1 |
| ZBTB8A | -1.04024 | 0.8139698 | -1.278 | 0.201 | -0.255947471 | count | 1 |
| PIM1 | -0.1898324 | 0.1562073 | -1.2153 | 0.224 | -0.255740939 | count | 1 |
| ERN1 | -0.1874359 | 0.1380431 | -1.3578 | 0.175 | -0.255689515 | count | 1 |
| TMEM126A | -0.186698 | 0.1383571 | -1.3494 | 0.177 | -0.25533318 | count | 1 |
| BRWD1-AS2 | -0.6786178 | 0.7751184 | -0.8755 | 0.381 | -0.255323181 | count | 1 |
| SLC22A4 | -0.354371 | 0.5423266 | -0.6534 | 0.514 | -0.255048347 | count | 1 |
| SPARC | -0.2521755 | 0.458442 | -0.5501 | 0.582 | -0.255004258 | count | 1 |
| ZNF808 | -0.2286216 | 0.506019 | -0.4518 | 0.651 | -0.254989906 | count | 1 |
| CFDP1 | -0.1831357 | 0.122786 | -1.4915 | 0.136 | -0.254940104 | count | 1 |
| CBWD6 | -0.4873153 | 0.7642389 | -0.6376 | 0.524 | -0.254797619 | count | 1 |
| PI4K2A | -0.2021931 | 0.2379086 | -0.8499 | 0.395 | -0.254356364 | count | 1 |
| PPME1 | -0.2589481 | 0.3850595 | -0.6725 | 0.501 | -0.25428486 | count | 1 |
| BRI3 | -0.1766324 | 0.0372313 | -4.7442 | 2.21E-06 | -0.254101396 | count | 0.05256043 |
| CDC37L1-DT | -0.5302677 | 0.7724588 | -0.6865 | 0.492 | -0.254063787 | count | 1 |
| BBOF1 | -0.5302677 | 0.9339045 | -0.5678 | 0.57 | -0.254063787 | count | 1 |
| CABLES2 | -0.5302677 | 0.8335721 | -0.6361 | 0.525 | -0.254063787 | count | 1 |
| PTTG1IP | -0.1788035 | 0.0711379 | -2.5135 | 0.012 | -0.254042824 | count | 1 |
| RCC1 | -0.2584926 | 0.4617299 | -0.5598 | 0.576 | -0.253851731 | count | 1 |
| OAZ3 | -0.8027612 | 0.6709982 | -1.1964 | 0.232 | -0.253839432 | count | 1 |
| LINC00484 | -0.8027612 | 0.8198446 | -0.9792 | 0.328 | -0.253839432 | count | 1 |
| ZNF410 | -0.8027612 | 0.9389105 | -0.855 | 0.393 | -0.253839432 | count | 1 |
| B3GAT3 | -0.1857023 | 0.1378126 | -1.3475 | 0.178 | -0.253715693 | count | 1 |
| FBXL8 | -0.381597 | 0.513193 | -0.7436 | 0.457 | -0.253603411 | count | 1 |
| CHMP2B | -0.180935 | 0.0926562 | -1.9528 | 0.051 | -0.253477184 | count | 1 |
| ARIH2 | -0.1934989 | 0.2034409 | -0.9511 | 0.342 | -0.253290334 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|-------------|
| SNCA | -0.192143 | 0.1528093 | -1.2574 | 0.209 | -0.253247321 | count | 1 |
| CHMP3 | -0.1848247 | 0.1405681 | -1.3148 | 0.189 | -0.252881756 | count | 1 |
| GRWD1 | -0.2436055 | 0.3451336 | -0.7058 | 0.48 | -0.252687507 | count | 1 |
| LYNX1 | -1.02052 | 0.639651 | -1.5954 | 0.111 | -0.252653646 | count | 1 |
| AC090527.3 | -0.3983872 | 0.6543273 | -0.6089 | 0.543 | -0.252492271 | count | 1 |
| ESF1 | -0.1874007 | 0.1682076 | -1.1141 | 0.265 | -0.252480504 | count | 1 |
| LINS1 | -0.379683 | 0.420589 | -0.9027 | 0.367 | -0.25243184 | count | 1 |
| ATP6V0B | -0.175553 | 0.0352143 | -4.9853 | 6.62E-07 | -0.252353361 | count | 0.015778108 |
| EID2B | -0.3114088 | 0.4618763 | -0.6742 | 0.5 | -0.252334003 | count | 1 |
| TMEM260 | -0.2595197 | 0.5180352 | -0.501 | 0.616 | -0.252147255 | count | 1 |
| SMAD6 | -0.6681726 | 1.0126583 | -0.6598 | 0.509 | -0.25214219 | count | 1 |
| XKR6 | -0.6681725 | 0.9500819 | -0.7033 | 0.482 | -0.252142161 | count | 1 |
| AP005329.3 | -0.2656115 | 0.3474269 | -0.7645 | 0.445 | -0.25198987 | count | 1 |
| KLHL42 | -0.3278598 | 0.3845041 | -0.8527 | 0.394 | -0.251918236 | count | 1 |
| CLDN23 | -0.2512119 | 0.3756569 | -0.6687 | 0.504 | -0.251779247 | count | 1 |
| LSM10 | -0.1801396 | 0.091129 | -1.9768 | 0.0482 | -0.251620015 | count | 1 |
| HSDL1 | -0.2463602 | 0.3395105 | -0.7256 | 0.468 | -0.25143276 | count | 1 |
| PRRC2C | -0.1767948 | 0.0657872 | -2.6874 | 0.00725 | -0.251422587 | count | 1 |
| SECISBP2 | -0.1879148 | 0.1701083 | -1.1047 | 0.269 | -0.251322953 | count | 1 |
| TRIM21 | -0.2506735 | 0.3128987 | -0.8011 | 0.423 | -0.251255465 | count | 1 |
| AC079922.2 | -0.377653 | 0.6079131 | -0.6212 | 0.535 | -0.251188113 | count | 1 |
| CHTOP | -0.1910297 | 0.1655104 | -1.1542 | 0.249 | -0.251041591 | count | 1 |
| UMPS | -0.2400638 | 0.3245979 | -0.7396 | 0.46 | -0.250961004 | count | 1 |
| ACVR1 | -0.2437691 | 0.4538476 | -0.5371 | 0.591 | -0.250896187 | count | 1 |
| NDUFC1 | -0.1774245 | 0.0791117 | -2.2427 | 0.025 | -0.250831718 | count | 1 |
| PLVAP | -1.5028693 | 1.5410051 | -0.9753 | 0.33 | -0.250308571 | count | 1 |
| TESK2 | -0.2326636 | 0.3981105 | -0.5844 | 0.559 | -0.249951147 | count | 1 |
| UPF3B | -0.2004397 | 0.2222481 | -0.9019 | 0.367 | -0.249688346 | count | 1 |
| BAHD1 | -0.3245969 | 0.498407 | -0.6513 | 0.515 | -0.249557422 | count | 1 |
| TBK1 | -0.1997155 | 0.1690197 | -1.1816 | 0.237 | -0.248795606 | count | 1 |
| OPA3 | -0.217208 | 0.3011081 | -0.7214 | 0.471 | -0.248629521 | count | 1 |
| PDE12 | -0.2313888 | 0.2918662 | -0.7928 | 0.428 | -0.248612601 | count | 1 |
| TAB1 | -0.5171306 | 0.6096479 | -0.8482 | 0.396 | -0.248609405 | count | 1 |
| ZNF428 | -0.1827051 | 0.1365187 | -1.3383 | 0.181 | -0.248445751 | count | 1 |
| CCDC115 | -0.183416 | 0.1361885 | -1.3468 | 0.178 | -0.248351664 | count | 1 |
| PSMD7 | -0.1754467 | 0.0781102 | -2.2461 | 0.0248 | -0.248325534 | count | 1 |
| NHP2 | -0.1763523 | 0.0955552 | -1.8456 | 0.0651 | -0.248235688 | count | 1 |
| SELENOW | -0.1741821 | 0.0712542 | -2.4445 | 0.0146 | -0.24820379 | count | 1 |
| LRRC3 | -0.7793508 | 0.8405471 | -0.9272 | 0.354 | -0.248169107 | count | 1 |
| ACSM3 | -0.4124039 | 0.485478 | -0.8495 | 0.396 | -0.247959444 | count | 1 |
| TTLL1 | -0.4722815 | 0.7159683 | -0.6596 | 0.51 | -0.247851355 | count | 1 |
| PGAM1 | -0.1731685 | 0.0603486 | -2.8695 | 0.00415 | -0.247839535 | count | 1 |
| RSPRY1 | -0.2133192 | 0.2698609 | -0.7905 | 0.429 | -0.247716366 | count | 1 |
| NIPA2 | -0.1869563 | 0.1407896 | -1.3279 | 0.184 | -0.247662382 | count | 1 |
| GSTM3 | -0.4383976 | 0.8466258 | -0.5178 | 0.605 | -0.247603106 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|------------|
| AL512353.1 | -1.46916 | 1.1353105 | -1.2941 | 0.196 | -0.247342779 | count | 1 |
| SMYD5 | -1.46916 | 1.1353105 | -1.2941 | 0.196 | -0.247342779 | count | 1 |
| CACNA1A | -0.2639147 | 0.7108074 | -0.3713 | 0.71 | -0.247305232 | count | 1 |
| DUSP23 | -0.1760301 | 0.0986585 | -1.7842 | 0.0745 | -0.247149143 | count | 1 |
| UBE2Z | -0.1902885 | 0.167269 | -1.1376 | 0.255 | -0.246956826 | count | 1 |
| TRIM3 | -0.5131312 | 0.7258816 | -0.7069 | 0.48 | -0.246940445 | count | 1 |
| SLC35F6 | -0.1861728 | 0.192516 | -0.9671 | 0.334 | -0.246502972 | count | 1 |
| NDUFV2 | -0.1728691 | 0.0594232 | -2.9091 | 0.0037 | -0.246391962 | count | 1 |
| SMPD3 | -0.9831256 | 1.2483993 | -0.7875 | 0.431 | -0.246264716 | count | 1 |
| NOP14 | -0.1918921 | 0.2483456 | -0.7727 | 0.44 | -0.245468252 | count | 1 |
| LAIR2 | -0.6461852 | 0.9064143 | -0.7129 | 0.476 | -0.24537265 | count | 1 |
| NOP56 | -0.183796 | 0.1439763 | -1.2766 | 0.202 | -0.245331927 | count | 1 |
| RAB7A | -0.1723826 | 0.0588775 | -2.9278 | 0.00344 | -0.245189258 | count | 1 |
| MED8 | -0.1802289 | 0.144081 | -1.2509 | 0.211 | -0.244907741 | count | 1 |
| WDR1 | -0.1767597 | 0.1134005 | -1.5587 | 0.119 | -0.244821495 | count | 1 |
| AC025164.1 | -0.1762141 | 0.2795359 | -0.6304 | 0.529 | -0.244481621 | count | 1 |
| EIF4EBP1 | -0.1724703 | 0.0775774 | -2.2232 | 0.0263 | -0.244369007 | count | 1 |
| EIF5AL1 | -0.5064527 | 0.7824255 | -0.6473 | 0.518 | -0.244144687 | count | 1 |
| C5orf63 | -1.432447 | 1.004187 | -1.4265 | 0.154 | -0.244011602 | count | 1 |
| SNRPE | -0.1736905 | 0.0916291 | -1.8956 | 0.0581 | -0.244007596 | count | 1 |
| ATP6V0A2 | -0.2816977 | 0.3412315 | -0.8255 | 0.409 | -0.243858897 | count | 1 |
| MILR1 | -0.1819152 | 0.1383631 | -1.3148 | 0.189 | -0.2437252 | count | 1 |
| NUTF2 | -0.1743089 | 0.1046197 | -1.6661 | 0.0958 | -0.24363409 | count | 1 |
| PDAP1 | -0.1735219 | 0.0986002 | -1.7599 | 0.0786 | -0.243271105 | count | 1 |
| WDR43 | -0.1789955 | 0.1484885 | -1.2054 | 0.228 | -0.243176414 | count | 1 |
| NDUFV3 | -0.1743894 | 0.1073771 | -1.6241 | 0.104 | -0.242405564 | count | 1 |
| BTRC | -0.2620747 | 0.4553817 | -0.5755 | 0.565 | -0.2423803 | count | 1 |
| ACOX3 | -0.2548147 | 0.4291855 | -0.5937 | 0.553 | -0.242088963 | count | 1 |
| SNRNP25 | -0.1813419 | 0.1470326 | -1.2333 | 0.218 | -0.242073099 | count | 1 |
| HELLS | -0.4598217 | 0.7201245 | -0.6385 | 0.523 | -0.2420499 | count | 1 |
| TMX2 | -0.189562 | 0.1761748 | -1.076 | 0.282 | -0.242009311 | count | 1 |
| PHETA2 | -0.4014461 | 0.6902425 | -0.5816 | 0.561 | -0.241964958 | count | 1 |
| SRR | -0.3801963 | 0.5648011 | -0.6732 | 0.501 | -0.241909711 | count | 1 |
| CD58 | -0.1741235 | 0.1233135 | -1.412 | 0.158 | -0.241892106 | count | 1 |
| PSMB6 | -0.1692563 | 0.0530598 | -3.1899 | 0.00144 | -0.241703073 | count | 1 |
| ZNF706 | -0.1689871 | 0.0539788 | -3.1306 | 0.00176 | -0.241692848 | count | 1 |
| TBCD | -0.2612851 | 0.2964227 | -0.8815 | 0.378 | -0.241676245 | count | 1 |
| MALSU1 | -0.1810908 | 0.1675041 | -1.0811 | 0.28 | -0.241635899 | count | 1 |
| PRRG1 | -0.7527666 | 0.8204925 | -0.9175 | 0.359 | -0.241612885 | count | 1 |
| ADAM8 | -0.1787566 | 0.1745534 | -1.0241 | 0.306 | -0.241572751 | count | 1 |
| LAPTM4A | -0.1686045 | 0.0470014 | -3.5872 | 0.000341 | -0.24145643 | count | 1 |
| TMEM68 | -0.2474638 | 0.4359527 | -0.5676 | 0.57 | -0.240796022 | count | 1 |
| ORMDL2 | -0.1722697 | 0.1056434 | -1.6307 | 0.103 | -0.240789695 | count | 1 |
| SH3BGR13 | -0.1668481 | 0.0354664 | -4.7044 | 2.69E-06 | -0.240519028 | count | 0.06394399 |
| AC092140.1 | -1.392884 | 1.1118937 | -1.2527 | 0.21 | -0.240301008 | count | 1 |

| | | | | | | | |
|------------|-------------|-------------|---------|----------|--------------|-------|---|
| RBL1 | -0.6298345 | 0.5790746 | -1.0877 | 0.277 | -0.240273671 | count | 1 |
| GSN | -0.1685282 | 0.0734752 | -2.2937 | 0.0219 | -0.239711886 | count | 1 |
| IL1A | -0.4956513 | 1.0425607 | -0.4754 | 0.635 | -0.239599664 | count | 1 |
| SNAPC2 | -0.190002 | 0.1942281 | -0.9782 | 0.328 | -0.239473755 | count | 1 |
| CD22 | -0.3104948 | 0.5943036 | -0.5225 | 0.601 | -0.239318815 | count | 1 |
| SAP130 | -0.2759649 | 0.501487 | -0.5503 | 0.582 | -0.239105814 | count | 1 |
| LRP5L | -0.3193578 | 0.5566232 | -0.5737 | 0.566 | -0.238811306 | count | 1 |
| MYEF2 | -0.93914 | 0.8669407 | -1.0833 | 0.279 | -0.238506097 | count | 1 |
| MPLKIP | -0.1723153 | 0.1164102 | -1.4802 | 0.139 | -0.238452013 | count | 1 |
| APAF1 | -0.1809522 | 0.1508595 | -1.1995 | 0.23 | -0.238447757 | count | 1 |
| NDUFS5 | -0.1664843 | 0.0524901 | -3.1717 | 0.00153 | -0.238183967 | count | 1 |
| C5orf22 | -0.2444133 | 0.5684471 | -0.43 | 0.667 | -0.237917906 | count | 1 |
| UQCR11 | -0.1664574 | 0.0532886 | -3.1237 | 0.0018 | -0.237843548 | count | 1 |
| GUK1 | -0.1660384 | 0.0491118 | -3.3808 | 0.000734 | -0.237831556 | count | 1 |
| SPDL1 | -0.2999801 | 0.4872917 | -0.6156 | 0.538 | -0.237775681 | count | 1 |
| MIATNB | -0.3729953 | 0.5967774 | -0.625 | 0.532 | -0.237694787 | count | 1 |
| TOM1L2 | -0.2691491 | 0.4570426 | -0.5889 | 0.556 | -0.237556199 | count | 1 |
| NUCB2 | -0.1721297 | 0.1222339 | -1.4082 | 0.159 | -0.237539214 | count | 1 |
| SLC38A1 | -0.7355889 | 0.4661188 | -1.5781 | 0.115 | -0.237309646 | count | 1 |
| AL606760.3 | -17.4310003 | 3773.429215 | -0.0046 | 0.996 | -0.237234527 | count | 1 |
| AL139339.1 | -17.4310003 | 3773.429215 | -0.0046 | 0.996 | -0.237234527 | count | 1 |
| AC134312.1 | -17.4310003 | 3773.429215 | -0.0046 | 0.996 | -0.237234527 | count | 1 |
| ZNF610 | -17.4310003 | 3773.429215 | -0.0046 | 0.996 | -0.237234527 | count | 1 |
| AL357079.1 | -17.4308585 | 2783.921146 | -0.0063 | 0.995 | -0.237234527 | count | 1 |
| LINC01160 | -17.4308585 | 2783.921146 | -0.0063 | 0.995 | -0.237234527 | count | 1 |
| AL162258.2 | -17.4308585 | 2783.921146 | -0.0063 | 0.995 | -0.237234527 | count | 1 |
| AL590723.1 | -17.4308585 | 2783.921146 | -0.0063 | 0.995 | -0.237234527 | count | 1 |
| GPC1 | -17.4308585 | 2783.921146 | -0.0063 | 0.995 | -0.237234527 | count | 1 |
| C3orf33 | -17.4308585 | 2783.921146 | -0.0063 | 0.995 | -0.237234527 | count | 1 |
| AC092535.1 | -17.4308585 | 2783.921146 | -0.0063 | 0.995 | -0.237234527 | count | 1 |
| LIFR | -17.4308585 | 2783.921146 | -0.0063 | 0.995 | -0.237234527 | count | 1 |
| AC008875.1 | -17.4308585 | 2783.921146 | -0.0063 | 0.995 | -0.237234527 | count | 1 |
| MRPS30-DT | -17.4308585 | 2783.921146 | -0.0063 | 0.995 | -0.237234527 | count | 1 |
| AC109322.1 | -17.4308585 | 2783.921146 | -0.0063 | 0.995 | -0.237234527 | count | 1 |
| ASS1 | -17.4308585 | 2783.921146 | -0.0063 | 0.995 | -0.237234527 | count | 1 |
| ADAM12 | -17.4308585 | 2783.921146 | -0.0063 | 0.995 | -0.237234527 | count | 1 |
| AC022509.4 | -17.4308585 | 2783.921146 | -0.0063 | 0.995 | -0.237234527 | count | 1 |
| IKZF3 | -17.4308585 | 2783.921146 | -0.0063 | 0.995 | -0.237234527 | count | 1 |
| AC130371.2 | -17.4308585 | 2783.921146 | -0.0063 | 0.995 | -0.237234527 | count | 1 |
| CPXM1 | -17.4308585 | 2783.921146 | -0.0063 | 0.995 | -0.237234527 | count | 1 |
| GRIN3B | -17.4308585 | 2783.921146 | -0.0063 | 0.995 | -0.237234527 | count | 1 |
| NEURL3 | -17.421322 | 2094.167041 | -0.0083 | 0.993 | -0.237234527 | count | 1 |
| EVC2 | -17.421322 | 2094.167041 | -0.0083 | 0.993 | -0.237234527 | count | 1 |
| AL441883.1 | -17.421322 | 2094.167041 | -0.0083 | 0.993 | -0.237234527 | count | 1 |
| LAMB1 | -17.421322 | 2094.167041 | -0.0083 | 0.993 | -0.237234527 | count | 1 |

| | | | | | | | |
|-------------|-------------|-------------|---------|-------|--------------|-------|---|
| DNAJC12 | -17.421322 | 2094.167041 | -0.0083 | 0.993 | -0.237234527 | count | 1 |
| FGF5 | -17.421196 | 2698.119368 | -0.0065 | 0.995 | -0.237234527 | count | 1 |
| E2F1 | -17.421196 | 2698.119368 | -0.0065 | 0.995 | -0.237234527 | count | 1 |
| AL031663.3 | -17.3619141 | 1596.679103 | -0.0109 | 0.991 | -0.237234527 | count | 1 |
| ANXA3 | -17.3610703 | 1312.10275 | -0.0132 | 0.989 | -0.237234527 | count | 1 |
| ADTRP | -17.3610703 | 1312.10275 | -0.0132 | 0.989 | -0.237234527 | count | 1 |
| LPAR3 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| DENND2C | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| MEX3A | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| KIF14 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| CCDC150 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| AC012510.1 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| AC092053.3 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| PSMD6-AS1 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| HCG20 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| THBS2 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| SLC38A5 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| AC087273.2 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| ADRB3 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| MELK | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| AC090587.1 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| CCDC81 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| TEAD4 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| LINC01481 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| SPATA13-AS1 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| CPB2-AS1 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| RBM26-AS1 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| AC091057.2 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| AC051619.5 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| BCAS1 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| ZNF625 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| PIK3R2 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| AC011479.1 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| CRYBB2 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| AP001434.1 | -17.0439327 | 1906.12048 | -0.0089 | 0.993 | -0.237234524 | count | 1 |
| SELP | -17.0439248 | 2527.770254 | -0.0067 | 0.995 | -0.237234524 | count | 1 |
| MOGAT1 | -17.0439248 | 2527.770254 | -0.0067 | 0.995 | -0.237234524 | count | 1 |
| ITK | -17.0439248 | 2527.770254 | -0.0067 | 0.995 | -0.237234524 | count | 1 |
| CPXM2 | -17.0439248 | 2527.770254 | -0.0067 | 0.995 | -0.237234524 | count | 1 |
| CALB2 | -17.0439248 | 2527.770254 | -0.0067 | 0.995 | -0.237234524 | count | 1 |
| RND2 | -17.0439248 | 2527.770254 | -0.0067 | 0.995 | -0.237234524 | count | 1 |
| ERG | -17.0439248 | 2527.770254 | -0.0067 | 0.995 | -0.237234524 | count | 1 |
| C12orf60 | -16.8506404 | 1391.939263 | -0.0121 | 0.99 | -0.237234522 | count | 1 |
| CCNT2-AS1 | -16.85023 | 1264.134854 | -0.0133 | 0.989 | -0.237234522 | count | 1 |
| CAV2 | -16.85023 | 1264.134854 | -0.0133 | 0.989 | -0.237234522 | count | 1 |

| | | | | | | | |
|------------|-------------|-------------|---------|-------|--------------|-------|---|
| CXCR3 | -16.85023 | 1264.134854 | -0.0133 | 0.989 | -0.237234522 | count | 1 |
| SLC16A13 | -16.85023 | 1264.134854 | -0.0133 | 0.989 | -0.237234522 | count | 1 |
| KAZN | -16.8134966 | 1289.369266 | -0.013 | 0.99 | -0.237234521 | count | 1 |
| SLC25A34 | -18.566613 | 2265.505006 | -0.0082 | 0.993 | -0.237234423 | count | 1 |
| ACTN2 | -18.40018 | 2346.293979 | -0.0078 | 0.994 | -0.237234422 | count | 1 |
| B3GNT9 | -18.399538 | 2117.899843 | -0.0087 | 0.993 | -0.237234422 | count | 1 |
| SLC47A1 | -18.196182 | 1868.179119 | -0.0097 | 0.992 | -0.237234422 | count | 1 |
| ICA1L | -17.940905 | 1876.912456 | -0.0096 | 0.992 | -0.237234421 | count | 1 |
| MIAT | -17.940905 | 1876.912456 | -0.0096 | 0.992 | -0.237234421 | count | 1 |
| ZNF749 | -17.932512 | 1912.902376 | -0.0094 | 0.993 | -0.237234421 | count | 1 |
| DIAPH3 | -17.783356 | 2672.845456 | -0.0067 | 0.995 | -0.23723442 | count | 1 |
| NAT2 | -17.706694 | 1762.003592 | -0.01 | 0.992 | -0.23723442 | count | 1 |
| AC114956.1 | -17.594487 | 2674.601446 | -0.0066 | 0.995 | -0.237234419 | count | 1 |
| AL359643.3 | -17.593663 | 1889.168622 | -0.0093 | 0.993 | -0.237234419 | count | 1 |
| BACH2 | -17.593663 | 1889.168622 | -0.0093 | 0.993 | -0.237234419 | count | 1 |
| AL590708.1 | -17.593663 | 1889.168622 | -0.0093 | 0.993 | -0.237234419 | count | 1 |
| AC044839.1 | -17.593663 | 1889.168622 | -0.0093 | 0.993 | -0.237234419 | count | 1 |
| ZNF582-AS1 | -17.593663 | 1889.168622 | -0.0093 | 0.993 | -0.237234419 | count | 1 |
| AL590787.1 | -17.593544 | 2505.517522 | -0.007 | 0.994 | -0.237234419 | count | 1 |
| AC010999.2 | -17.566309 | 1558.078956 | -0.0113 | 0.991 | -0.237234419 | count | 1 |
| ACSM1 | -17.440746 | 2020.827098 | -0.0086 | 0.993 | -0.237234418 | count | 1 |
| FOXD2-AS1 | -17.371153 | 1538.27023 | -0.0113 | 0.991 | -0.237234418 | count | 1 |
| AL160006.1 | -17.20582 | 1915.40763 | -0.009 | 0.993 | -0.237234416 | count | 1 |
| ZKSCAN2 | -17.202784 | 1657.673019 | -0.0104 | 0.992 | -0.237234416 | count | 1 |
| AL663074.1 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| NEGR1 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| PALMD | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC244453.2 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| ERVMER61-1 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| HSD11B1 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AL353593.2 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC016738.1 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| GALNT5 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| FSIP2 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC131235.4 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| SLC26A1 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| DTHD1 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| PRDM5 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC020703.1 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| LINC01948 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| KLHL3 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| CXXC5-AS1 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AL157373.2 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC003092.1 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| STRIP2 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|-------|--------------|-------|---|
| PFKFB1 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AF131216.4 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| CHRNA6 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| PMP2 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AP002907.1 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| PSCA | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC233992.3 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| FBXO10 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| WNK2 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AL158152.2 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| PTGES | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| SARDH | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AL138921.1 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AL121820.1 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| IGHV3-33 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| SLC27A2 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC104590.1 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| UBAP1L | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC130650.2 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| PLA2G10 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| LINC02195 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC009093.5 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| MT3 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC010542.5 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC009120.5 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC135782.3 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC004771.4 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC005899.6 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| RAPGEFL1 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| SDK2 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC087289.4 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC027601.1 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC090772.3 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC017100.1 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC011444.1 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC011511.3 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC008764.3 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| GNG8 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| AC016027.1 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| RFPL3S | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| FP236383.3 | -16.395751 | 3485.021594 | -0.0047 | 0.996 | -0.237234405 | count | 1 |
| VWA1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AL109917.1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| CDCA8 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| RAD54L | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|-------|--------------|-------|---|
| MROH7 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC119674.2 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| ADGRL4 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC093157.2 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| HIST2H4A | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AL391832.1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| SDC1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| IGKV3-20 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| DUSP19 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| LINC01792 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| HJURP | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| SYN2 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| CCR4 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC112220.4 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| CCR3 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| CCDC36 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC006252.1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| SPATA12 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC073352.1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| SLC12A8 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| LINC02029 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| LINC02069 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| ATP13A4 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC019077.1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| BBS12 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC109927.2 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| ANKDD1B | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| DMGDH | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| MZB1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| SPINK6 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| FGF18 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| GPRIN1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC145098.1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC136604.3 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| HIST1H3I | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| PPT2-EGFL8 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| Z97832.2 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| TDRD6 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AL080317.3 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| KLHL7-DT | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| HOXA4 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| TRGV5 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| TRGV3 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| SUN3 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| CDHR3 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|-------|--------------|-------|---|
| LEP | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| DGKI | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| WDR86 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| LINC00630 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| APLN | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| XPNPEP2 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| MAMLD1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| HCFC1-AS1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC100810.3 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| CPA6 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| ATP6V0D2 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AL928970.1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| IL33 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AL158071.3 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| ROR2 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| CCDC180 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| LHX2 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC107884.1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| TMEM9B-AS1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| GNG3 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| MYEOV | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| UCP3 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| TECTA | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| OR8G1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| OR8G5 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| CDNF | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| TMEM26 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC024597.1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC073370.1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| MORN4 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| WDR11-AS1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC005342.2 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC024257.4 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| TROAP | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC023055.1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| IFNG | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| DAO | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| CABP1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| LINC00544 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| LRRRC63 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| PTGDR | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AKAP5 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| ZC2HC1C | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AL133279.1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC124312.1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|-------|--------------|-------|---|
| OIP5 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC090970.2 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC023906.5 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| RORA-AS1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC107241.1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| IQCH | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| SENP8 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| CEMIP | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC068870.2 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| BICDL2 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| NPIPB2 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| PRRT2 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC026461.3 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| ARHGEF15 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC015922.4 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC011815.1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| CCDC68 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| ATP8B1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| LINC01909 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AL049634.2 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AL121890.4 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| LINC00237 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| ZNF337-AS1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| ZNF341-AS1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| LINC01270 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| BX640514.2 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| OGFR-AS1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| FNDC11 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| PLPPR3 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| PCSK4 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC010336.4 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AC136469.1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| NANOS3 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| PPP1R13L | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| KIR3DL2 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| RFPL4A | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| IGLV2-14 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| IGLC7 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| Z95115.1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AL022326.1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| ENTHD1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| AP001062.1 | -16.395168 | 2462.462616 | -0.0067 | 0.995 | -0.237234405 | count | 1 |
| DHRS12 | -0.2121274 | 0.2697772 | -0.7863 | 0.432 | -0.236931168 | count | 1 |
| CYP2S1 | -0.2433426 | 0.4636795 | -0.5248 | 0.6 | -0.236907148 | count | 1 |
| AL355338.1 | -0.3165695 | 0.5078567 | -0.6233 | 0.533 | -0.236848045 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|---|
| EXOSC8 | -0.1740521 | 0.1535697 | -1.1334 | 0.257 | -0.23666531 | count | 1 |
| LACTB | -0.1666724 | 0.0748841 | -2.2257 | 0.0261 | -0.236638861 | count | 1 |
| COX5A | -0.1652577 | 0.0491317 | -3.3636 | 0.000781 | -0.236532807 | count | 1 |
| METTLL17 | -0.2259176 | 0.3793833 | -0.5955 | 0.552 | -0.236523889 | count | 1 |
| PITRM1 | -0.2454886 | 0.3363752 | -0.7298 | 0.466 | -0.236284714 | count | 1 |
| CREG1 | -0.1662414 | 0.0719201 | -2.3115 | 0.0209 | -0.236223444 | count | 1 |
| MRPL13 | -0.1700563 | 0.1074904 | -1.5821 | 0.114 | -0.236183228 | count | 1 |
| FAHD1 | -0.1887411 | 0.2321741 | -0.8129 | 0.416 | -0.235955755 | count | 1 |
| ISOC1 | -0.2307551 | 0.3269333 | -0.7058 | 0.48 | -0.235916926 | count | 1 |
| HIVEP3 | -0.2051261 | 0.2634865 | -0.7785 | 0.436 | -0.235889624 | count | 1 |
| DCAF4 | -0.5403833 | 0.8814715 | -0.613 | 0.54 | -0.235829875 | count | 1 |
| COG6 | -0.2477552 | 0.4140832 | -0.5983 | 0.55 | -0.235598686 | count | 1 |
| GTF2B | -0.1669914 | 0.0816394 | -2.0455 | 0.0409 | -0.23551706 | count | 1 |
| MLF2 | -0.1683841 | 0.0960001 | -1.754 | 0.0796 | -0.235318938 | count | 1 |
| PEX3 | -0.2473338 | 0.3359469 | -0.7362 | 0.462 | -0.235210853 | count | 1 |
| M1AP | -0.9207933 | 0.9516048 | -0.9676 | 0.333 | -0.235190681 | count | 1 |
| TYSND1 | -0.2471336 | 0.5717018 | -0.4323 | 0.666 | -0.235026587 | count | 1 |
| ALKBH5 | -0.1859638 | 0.2124917 | -0.8752 | 0.382 | -0.235022614 | count | 1 |
| CCDC134 | -0.2762244 | 0.5382308 | -0.5132 | 0.608 | -0.234860697 | count | 1 |
| RCHY1 | -0.1912937 | 0.2178999 | -0.8779 | 0.38 | -0.234857442 | count | 1 |
| TMEM87B | -0.2019045 | 0.2477677 | -0.8149 | 0.415 | -0.234659903 | count | 1 |
| OSTM1 | -0.1744421 | 0.1457426 | -1.1969 | 0.231 | -0.234620622 | count | 1 |
| PTGER2 | -0.1691342 | 0.1438346 | -1.1759 | 0.24 | -0.234502271 | count | 1 |
| TMBIM1 | -0.1715737 | 0.1131698 | -1.5161 | 0.13 | -0.234380748 | count | 1 |
| FBXW11 | -0.1805938 | 0.1966455 | -0.9184 | 0.359 | -0.234275706 | count | 1 |
| PLK2 | -0.2124962 | 0.2193093 | -0.9689 | 0.333 | -0.233893166 | count | 1 |
| SLF2 | -0.1862224 | 0.2688471 | -0.6927 | 0.489 | -0.233821011 | count | 1 |
| DNAJC3 | -0.1658064 | 0.0835255 | -1.9851 | 0.0472 | -0.233680672 | count | 1 |
| CAV1 | -0.2872128 | 0.7765339 | -0.3699 | 0.712 | -0.233673757 | count | 1 |
| CD14 | -0.162118 | 0.0449689 | -3.6051 | 0.000318 | -0.233546795 | count | 1 |
| RHEBL1 | -0.3860784 | 0.4411916 | -0.8751 | 0.382 | -0.233502126 | count | 1 |
| HMGNA4 | -0.2485996 | 0.4236143 | -0.5869 | 0.557 | -0.233431585 | count | 1 |
| PIM2 | -0.2143795 | 0.3208921 | -0.6681 | 0.504 | -0.233411326 | count | 1 |
| N4BP1 | -0.1759916 | 0.1453653 | -1.2107 | 0.226 | -0.233335579 | count | 1 |
| AC027097.1 | -0.2556774 | 0.3810046 | -0.6711 | 0.502 | -0.233330679 | count | 1 |
| SORBS1 | -1.320787 | 1.621479 | -0.8146 | 0.415 | -0.233204028 | count | 1 |
| ZNF426 | -0.3850934 | 0.4039064 | -0.9534 | 0.34 | -0.232957479 | count | 1 |
| RIT1 | -0.1653701 | 0.0929436 | -1.7793 | 0.0753 | -0.232657703 | count | 1 |
| CTGF | -0.3211836 | 0.4724504 | -0.6798 | 0.497 | -0.232639066 | count | 1 |
| RAB32 | -0.1631327 | 0.0619921 | -2.6315 | 0.00855 | -0.23240394 | count | 1 |
| WDR73 | -0.2731948 | 0.3295272 | -0.8291 | 0.407 | -0.232395107 | count | 1 |
| GPR65 | -0.1675274 | 0.0987589 | -1.6963 | 0.09 | -0.232383088 | count | 1 |
| RFX3 | -0.3470858 | 0.4772299 | -0.7273 | 0.467 | -0.232318421 | count | 1 |
| ZNF266 | -0.3470408 | 0.5380972 | -0.6449 | 0.519 | -0.232290438 | count | 1 |
| DYNC112 | -0.1665583 | 0.1020072 | -1.6328 | 0.103 | -0.232175959 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|---|
| TREML1 | -0.7150826 | 1.2791884 | -0.559 | 0.576 | -0.232103241 | count | 1 |
| UBAC2-AS1 | -0.7150826 | 1.109106 | -0.6447 | 0.519 | -0.232103241 | count | 1 |
| AL359397.2 | -0.7150826 | 1.0987975 | -0.6508 | 0.515 | -0.232103241 | count | 1 |
| AC016876.1 | -0.7150826 | 1.0987975 | -0.6508 | 0.515 | -0.232103241 | count | 1 |
| ZNF396 | -0.7150826 | 1.1757129 | -0.6082 | 0.543 | -0.232103241 | count | 1 |
| CEBPB | -0.1613208 | 0.0426624 | -3.7813 | 0.00016 | -0.232030099 | count | 1 |
| PPHLN1 | -0.1733055 | 0.1423665 | -1.2173 | 0.224 | -0.231970885 | count | 1 |
| MXD1 | -0.1648513 | 0.0993814 | -1.6588 | 0.0973 | -0.231855053 | count | 1 |
| WDR44 | -0.2265524 | 0.2872288 | -0.7888 | 0.43 | -0.23172822 | count | 1 |
| BCAS2 | -0.1656226 | 0.1377327 | -1.2025 | 0.229 | -0.231598138 | count | 1 |
| GEMIN2 | -0.2777521 | 0.418969 | -0.6629 | 0.507 | -0.231358607 | count | 1 |
| ABCC5 | -0.209067 | 0.3127159 | -0.6686 | 0.504 | -0.231354776 | count | 1 |
| ATL3 | -0.1772306 | 0.1593617 | -1.1121 | 0.266 | -0.231332772 | count | 1 |
| RPL7L1 | -0.1696075 | 0.1315865 | -1.2889 | 0.198 | -0.231299836 | count | 1 |
| AC243960.1 | -0.19622 | 0.4056363 | -0.4837 | 0.629 | -0.23099373 | count | 1 |
| ZSWIM9 | -0.4058716 | 0.6219839 | -0.6525 | 0.514 | -0.230978891 | count | 1 |
| ZNF821 | -0.2661314 | 0.4353066 | -0.6114 | 0.541 | -0.230931509 | count | 1 |
| GNL1 | -0.1849527 | 0.2955133 | -0.6259 | 0.531 | -0.230925919 | count | 1 |
| UGDH | -0.3448234 | 0.4488449 | -0.7682 | 0.442 | -0.230911237 | count | 1 |
| THOC6 | -0.1824317 | 0.2125813 | -0.8582 | 0.391 | -0.230880069 | count | 1 |
| THOC1 | -0.1854063 | 0.2496766 | -0.7426 | 0.458 | -0.23078918 | count | 1 |
| KIF2A | -0.1705803 | 0.1418792 | -1.2023 | 0.229 | -0.230774507 | count | 1 |
| ZFPM1 | -0.1748647 | 0.177544 | -0.9849 | 0.325 | -0.230736206 | count | 1 |
| MKKS | -0.2035394 | 0.2993637 | -0.6799 | 0.497 | -0.230499931 | count | 1 |
| MRPL27 | -0.1657373 | 0.1125683 | -1.4723 | 0.141 | -0.230473624 | count | 1 |
| STRBP | -0.3298114 | 0.5917947 | -0.5573 | 0.577 | -0.23030948 | count | 1 |
| ZFP64 | -0.473767 | 0.7343212 | -0.6452 | 0.519 | -0.230302733 | count | 1 |
| MYBBP1A | -0.2390316 | 0.5934412 | -0.4028 | 0.687 | -0.230258198 | count | 1 |
| PDCD5 | -0.1629259 | 0.0824772 | -1.9754 | 0.0483 | -0.23023663 | count | 1 |
| LY86 | -0.1616555 | 0.0641909 | -2.5184 | 0.0119 | -0.23011263 | count | 1 |
| COMMD5 | -0.1714622 | 0.149673 | -1.1456 | 0.252 | -0.23004781 | count | 1 |
| NT5C2 | -0.1902963 | 0.31808 | -0.5983 | 0.55 | -0.229894955 | count | 1 |
| USB1 | -0.1790768 | 0.2428037 | -0.7375 | 0.461 | -0.22988366 | count | 1 |
| PRELID3A | -0.4726159 | 0.6467597 | -0.7307 | 0.465 | -0.229810438 | count | 1 |
| SMC2 | -0.1781483 | 0.2231939 | -0.7982 | 0.425 | -0.229763831 | count | 1 |
| DYNLL1 | -0.1601684 | 0.0432229 | -3.7056 | 0.000216 | -0.229730391 | count | 1 |
| LSM12 | -0.1640605 | 0.1055654 | -1.5541 | 0.12 | -0.229693454 | count | 1 |
| TRIM25 | -0.1702629 | 0.1576411 | -1.0801 | 0.28 | -0.229564898 | count | 1 |
| ZC3H3 | -0.2474002 | 0.386316 | -0.6404 | 0.522 | -0.22926825 | count | 1 |
| BANF1 | -0.1619498 | 0.0753464 | -2.1494 | 0.0317 | -0.229135425 | count | 1 |
| KLHL7 | -0.1904982 | 0.2995905 | -0.6359 | 0.525 | -0.229086984 | count | 1 |
| CLN6 | -0.2812705 | 0.6400529 | -0.4394 | 0.66 | -0.229065497 | count | 1 |
| AP003392.4 | -0.8869572 | 1.1896615 | -0.7456 | 0.456 | -0.228951788 | count | 1 |
| ZNF10 | -0.8869572 | 1.1161411 | -0.7947 | 0.427 | -0.228951788 | count | 1 |
| CCL2 | -0.1585173 | 0.127383 | -1.2444 | 0.213 | -0.22846015 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|---------|--------------|-------|---|
| PRKCI | -0.2135364 | 0.2912675 | -0.7331 | 0.464 | -0.228415627 | count | 1 |
| TLR1 | -0.1706068 | 0.1432189 | -1.1912 | 0.234 | -0.228375516 | count | 1 |
| TIMP2 | -0.1596891 | 0.0526222 | -3.0346 | 0.00243 | -0.228368008 | count | 1 |
| KIAA1522 | -0.5202529 | 0.8341689 | -0.6237 | 0.533 | -0.228270389 | count | 1 |
| RRM2 | -0.5202529 | 0.834169 | -0.6237 | 0.533 | -0.228270389 | count | 1 |
| APTR | -0.2951766 | 0.5503561 | -0.5363 | 0.592 | -0.228132554 | count | 1 |
| IER3IP1 | -0.1693753 | 0.1685075 | -1.0051 | 0.315 | -0.227914529 | count | 1 |
| ANKRD37 | -0.1714455 | 0.2133786 | -0.8035 | 0.422 | -0.227898341 | count | 1 |
| GNAI1 | -0.6985051 | 0.6105416 | -1.1441 | 0.253 | -0.227838816 | count | 1 |
| ARHGAP20 | -0.3398425 | 0.7416659 | -0.4582 | 0.647 | -0.227808068 | count | 1 |
| SEC13 | -0.1665822 | 0.1281488 | -1.2999 | 0.194 | -0.227632781 | count | 1 |
| CIC | -0.1976494 | 0.2867188 | -0.6893 | 0.491 | -0.227422546 | count | 1 |
| RAB11FIP2 | -0.2075647 | 0.2386341 | -0.8698 | 0.384 | -0.227371317 | count | 1 |
| TCAF1 | -0.2528428 | 0.3750124 | -0.6742 | 0.5 | -0.22736138 | count | 1 |
| MAML2 | -0.1674067 | 0.1789893 | -0.9353 | 0.35 | -0.227254926 | count | 1 |
| ENDOV | -0.1884528 | 0.2953824 | -0.638 | 0.524 | -0.227181137 | count | 1 |
| G3BP1 | -0.1663705 | 0.1181329 | -1.4083 | 0.159 | -0.227101672 | count | 1 |
| KIAA1324L | -0.6956549 | 1.1976917 | -0.5808 | 0.561 | -0.227100589 | count | 1 |
| MRPL21 | -0.1638115 | 0.1107366 | -1.4793 | 0.139 | -0.226984966 | count | 1 |
| EIF3D | -0.1612242 | 0.0799442 | -2.0167 | 0.0438 | -0.226453846 | count | 1 |
| TNFSF14 | -0.1691768 | 0.3995041 | -0.4235 | 0.672 | -0.226379477 | count | 1 |
| DEAF1 | -0.2089253 | 0.3212493 | -0.6504 | 0.516 | -0.226300411 | count | 1 |
| PLXNA3 | -0.3013089 | 0.4432149 | -0.6798 | 0.497 | -0.226063382 | count | 1 |
| GLRX5 | -0.163643 | 0.1188668 | -1.3767 | 0.169 | -0.226014498 | count | 1 |
| AC007950.2 | -0.8713057 | 0.9112177 | -0.9562 | 0.339 | -0.226010656 | count | 1 |
| RABGAP1 | -0.1907445 | 0.2338953 | -0.8155 | 0.415 | -0.225910023 | count | 1 |
| TEX30 | -0.1855506 | 0.2760971 | -0.672 | 0.502 | -0.22567316 | count | 1 |
| AURKA | -0.2186133 | 0.3380375 | -0.6467 | 0.518 | -0.225622508 | count | 1 |
| FOXQ1 | -0.3217728 | 0.883725 | -0.3641 | 0.716 | -0.22505211 | count | 1 |
| LINC01426 | -0.3706799 | 0.733043 | -0.5057 | 0.613 | -0.224956966 | count | 1 |
| C7orf50 | -0.1617457 | 0.1170081 | -1.3823 | 0.167 | -0.224913504 | count | 1 |
| ZNF8 | -0.86543 | 0.8917178 | -0.9705 | 0.332 | -0.22489742 | count | 1 |
| GTF2H3 | -0.1820524 | 0.2316066 | -0.786 | 0.432 | -0.224431342 | count | 1 |
| ZNF619 | -0.4224651 | 0.6638436 | -0.6364 | 0.525 | -0.22441431 | count | 1 |
| SERBP1 | -0.1570876 | 0.0551415 | -2.8488 | 0.0044 | -0.224307785 | count | 1 |
| URB1 | -0.3693471 | 0.7647109 | -0.483 | 0.629 | -0.224214271 | count | 1 |
| AC004540.1 | -0.6837588 | 0.9189191 | -0.7441 | 0.457 | -0.224003455 | count | 1 |
| NCBP2-AS2 | -0.1677404 | 0.1844355 | -0.9095 | 0.363 | -0.223810274 | count | 1 |
| CD2BP2 | -0.1634136 | 0.1324833 | -1.2335 | 0.218 | -0.223767635 | count | 1 |
| MTCH2 | -0.16148 | 0.1134155 | -1.4238 | 0.155 | -0.223709989 | count | 1 |
| SSU72 | -0.1585574 | 0.0816864 | -1.941 | 0.0524 | -0.22357206 | count | 1 |
| TYW1B | -0.3326908 | 0.7755591 | -0.429 | 0.668 | -0.223340158 | count | 1 |
| AP002360.1 | -0.3911023 | 0.8152983 | -0.4797 | 0.631 | -0.223336196 | count | 1 |
| AC009119.1 | -0.5767241 | 0.8376987 | -0.6885 | 0.491 | -0.223325971 | count | 1 |
| AC015917.2 | -0.5767241 | 0.8376987 | -0.6885 | 0.491 | -0.223325971 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|-------------|
| AC005264.1 | -0.5767241 | 0.8367429 | -0.6892 | 0.491 | -0.223325971 | count | 1 |
| MEX3C | -0.2219628 | 0.3316083 | -0.6694 | 0.503 | -0.223220362 | count | 1 |
| SEM1 | -0.1565209 | 0.0566825 | -2.7614 | 0.0058 | -0.223205448 | count | 1 |
| COA5 | -0.1642415 | 0.1706339 | -0.9625 | 0.336 | -0.223090356 | count | 1 |
| PPP1R8 | -0.2124863 | 0.4568517 | -0.4651 | 0.642 | -0.222773312 | count | 1 |
| PPID | -0.1687712 | 0.1858796 | -0.908 | 0.364 | -0.222739592 | count | 1 |
| CTNNB1 | -0.1574777 | 0.0924492 | -1.7034 | 0.0886 | -0.222735632 | count | 1 |
| LRIG2 | -0.3064291 | 0.4216385 | -0.7268 | 0.467 | -0.222574708 | count | 1 |
| CAMSAP2 | -0.191081 | 0.3055843 | -0.6253 | 0.532 | -0.222257618 | count | 1 |
| AC078846.1 | -0.2428875 | 0.5047706 | -0.4812 | 0.63 | -0.222054918 | count | 1 |
| ZBTB21 | -0.1832521 | 0.2543738 | -0.7204 | 0.471 | -0.221967457 | count | 1 |
| GYG1 | -0.1677099 | 0.1441228 | -1.1637 | 0.245 | -0.221952278 | count | 1 |
| SSNA1 | -0.157274 | 0.0822664 | -1.9118 | 0.056 | -0.221917723 | count | 1 |
| APRT | -0.155094 | 0.0518958 | -2.9886 | 0.00283 | -0.221790223 | count | 1 |
| AC008686.1 | -1.212082 | 1.1495653 | -1.0544 | 0.292 | -0.22164227 | count | 1 |
| COMMD2 | -0.1627746 | 0.1487615 | -1.0942 | 0.274 | -0.221494008 | count | 1 |
| ARL5A | -0.1832056 | 0.2307069 | -0.7941 | 0.427 | -0.221425383 | count | 1 |
| TMEM37 | -0.1683541 | 0.1827837 | -0.9211 | 0.357 | -0.221411739 | count | 1 |
| PDXDC1 | -0.1725871 | 0.2360311 | -0.7312 | 0.465 | -0.221397295 | count | 1 |
| ATG4A | -0.241982 | 0.5057687 | -0.4784 | 0.632 | -0.221254954 | count | 1 |
| PSMB5 | -0.1586385 | 0.0996852 | -1.5914 | 0.112 | -0.221176899 | count | 1 |
| MXRA7 | -0.3285879 | 0.6188471 | -0.531 | 0.595 | -0.220770414 | count | 1 |
| CBY1 | -0.3148591 | 0.4565468 | -0.6897 | 0.49 | -0.2205157 | count | 1 |
| B3GAT2 | -0.4141527 | 0.6064804 | -0.6829 | 0.495 | -0.220440765 | count | 1 |
| CEP170 | -0.1571596 | 0.0944092 | -1.6647 | 0.0961 | -0.220408285 | count | 1 |
| CTU1 | -0.1848998 | 0.291384 | -0.6346 | 0.526 | -0.220249176 | count | 1 |
| PPIL1 | -0.2208987 | 0.3589889 | -0.6153 | 0.538 | -0.22009629 | count | 1 |
| CMAS | -0.1687731 | 0.1825187 | -0.9247 | 0.355 | -0.21988242 | count | 1 |
| MFSD1 | -0.1551938 | 0.062597 | -2.4793 | 0.0132 | -0.219822858 | count | 1 |
| EMILIN1 | -0.4128466 | 0.6950351 | -0.594 | 0.553 | -0.219814787 | count | 1 |
| ZNHIT6 | -0.1964321 | 0.2994455 | -0.656 | 0.512 | -0.219695416 | count | 1 |
| RAD23A | -0.1548929 | 0.0814735 | -1.9011 | 0.0574 | -0.219423371 | count | 1 |
| PRRC1 | -0.1735034 | 0.2776306 | -0.6249 | 0.532 | -0.219403217 | count | 1 |
| ZNF330 | -0.1632374 | 0.1499976 | -1.0883 | 0.277 | -0.2193811 | count | 1 |
| MRPS2 | -0.1735943 | 0.2075883 | -0.8362 | 0.403 | -0.219243839 | count | 1 |
| NAGK | -0.1538438 | 0.0614782 | -2.5024 | 0.0124 | -0.219165405 | count | 1 |
| RPS19 | -0.1521503 | 0.0278484 | -5.4635 | 5.14E-08 | -0.219155531 | count | 0.001229951 |
| B3GNT7 | -0.2826276 | 0.3935364 | -0.7182 | 0.473 | -0.218918555 | count | 1 |
| NME4 | -0.1601253 | 0.1622336 | -0.987 | 0.324 | -0.218791747 | count | 1 |
| PHKA2 | -0.232476 | 0.374441 | -0.6209 | 0.535 | -0.218758636 | count | 1 |
| DGCR6L | -0.1629153 | 0.1646893 | -0.9892 | 0.323 | -0.218629999 | count | 1 |
| TMED2 | -0.1573135 | 0.0943055 | -1.6681 | 0.0954 | -0.218411289 | count | 1 |
| SIRT3 | -0.274167 | 0.525235 | -0.522 | 0.602 | -0.218278835 | count | 1 |
| CSRP1 | -0.1616675 | 0.1584899 | -1.02 | 0.308 | -0.218231373 | count | 1 |
| KLHL6 | -0.1830265 | 0.2044566 | -0.8952 | 0.371 | -0.218044654 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|-----------|
| DHX38 | -0.1778659 | 0.280718 | -0.6336 | 0.526 | -0.217719564 | count | 1 |
| ENTPD6 | -0.2059666 | 0.3010745 | -0.6841 | 0.494 | -0.217604749 | count | 1 |
| EFNB1 | -0.2990747 | 0.4873995 | -0.6136 | 0.54 | -0.217534895 | count | 1 |
| SGO1 | -0.3790662 | 0.7893328 | -0.4802 | 0.631 | -0.217064475 | count | 1 |
| WDR34 | -0.3790662 | 0.7607917 | -0.4983 | 0.618 | -0.217064475 | count | 1 |
| EIF4E | -0.1552993 | 0.1301213 | -1.1935 | 0.233 | -0.216858131 | count | 1 |
| DLGAP1-AS2 | -0.8226393 | 0.6454925 | -1.2744 | 0.203 | -0.216638704 | count | 1 |
| CATIP | -0.2793063 | 0.6197431 | -0.4507 | 0.652 | -0.216472411 | count | 1 |
| GMEB2 | -0.2093482 | 0.5437306 | -0.385 | 0.7 | -0.216276186 | count | 1 |
| ATG7 | -0.168879 | 0.2051336 | -0.8233 | 0.41 | -0.216242957 | count | 1 |
| SBNO2 | -0.1796699 | 0.2163181 | -0.8306 | 0.406 | -0.216212444 | count | 1 |
| GALNT11 | -0.1814265 | 0.2342157 | -0.7746 | 0.439 | -0.216161288 | count | 1 |
| CCDC163 | -0.820161 | 0.8081269 | -1.0149 | 0.31 | -0.216152134 | count | 1 |
| CLDND2 | -0.2585798 | 0.6955781 | -0.3717 | 0.71 | -0.216052516 | count | 1 |
| UBXN7 | -0.1939644 | 0.2658757 | -0.7295 | 0.466 | -0.21597097 | count | 1 |
| AC106782.2 | -0.3536881 | 0.6228208 | -0.5679 | 0.57 | -0.215451827 | count | 1 |
| AC005332.7 | -0.3758174 | 0.5212443 | -0.721 | 0.471 | -0.215364925 | count | 1 |
| KHDRBS1 | -0.1522106 | 0.067099 | -2.2684 | 0.0234 | -0.215294259 | count | 1 |
| CLTB | -0.1526826 | 0.081451 | -1.8745 | 0.061 | -0.215107162 | count | 1 |
| LCORL | -0.1639679 | 0.2114107 | -0.7756 | 0.438 | -0.214568974 | count | 1 |
| STX17 | -0.1733541 | 0.2997977 | -0.5782 | 0.563 | -0.214542527 | count | 1 |
| UBE2V2 | -0.1542462 | 0.1102212 | -1.3994 | 0.162 | -0.214527713 | count | 1 |
| JMJD6 | -0.1579873 | 0.1350353 | -1.17 | 0.242 | -0.214513065 | count | 1 |
| KDSR | -0.1629336 | 0.1500265 | -1.086 | 0.278 | -0.214451257 | count | 1 |
| ATP6V0E1 | -0.1491664 | 0.0377821 | -3.9481 | 8.10E-05 | -0.214125396 | count | 1 |
| YWHAG | -0.1532151 | 0.1076756 | -1.4229 | 0.155 | -0.214001617 | count | 1 |
| MDC1 | -0.3048108 | 0.4633926 | -0.6578 | 0.511 | -0.21389831 | count | 1 |
| SYNGAP1 | -0.3506186 | 1.3851026 | -0.2531 | 0.8 | -0.21372629 | count | 1 |
| OST4 | -0.1492328 | 0.0476152 | -3.1341 | 0.00174 | -0.213676799 | count | 1 |
| ACTA2 | -0.1965112 | 0.2323351 | -0.8458 | 0.398 | -0.213102965 | count | 1 |
| NARF | -0.1611836 | 0.1894771 | -0.8507 | 0.395 | -0.213014121 | count | 1 |
| SLC12A2 | -0.2401201 | 0.3823354 | -0.628 | 0.53 | -0.212842249 | count | 1 |
| D2HGDH | -0.2041642 | 0.4197489 | -0.4864 | 0.627 | -0.2126664 | count | 1 |
| C1QBP | -0.1504906 | 0.0820727 | -1.8336 | 0.0668 | -0.21246728 | count | 1 |
| FZR1 | -0.2023545 | 0.3152218 | -0.6419 | 0.521 | -0.212373181 | count | 1 |
| PDGFRB | -2.455543 | 1.4655018 | -1.6756 | 0.094 | -0.212236509 | count | 1 |
| FBXO4 | -0.2037267 | 0.3097003 | -0.6578 | 0.511 | -0.212220428 | count | 1 |
| TULP4 | -0.1705518 | 0.2143507 | -0.7957 | 0.426 | -0.211455232 | count | 1 |
| SRP68 | -0.1973416 | 0.2736468 | -0.7212 | 0.471 | -0.211426664 | count | 1 |
| EBNA1BP2 | -0.1591681 | 0.1745061 | -0.9121 | 0.362 | -0.21134894 | count | 1 |
| OMD | -1.1182229 | 1.0403023 | -1.0749 | 0.283 | -0.210772649 | count | 1 |
| AC145285.2 | -1.1182229 | 1.0403023 | -1.0749 | 0.283 | -0.210772649 | count | 1 |
| GSDMB | -1.1182229 | 1.3670667 | -0.818 | 0.413 | -0.210772649 | count | 1 |
| ZNF417 | -1.1182229 | 1.3670667 | -0.818 | 0.413 | -0.210772649 | count | 1 |
| PSAP | -0.1461831 | 0.0335014 | -4.3635 | 1.33E-05 | -0.210519752 | count | 0.3149174 |

| | | | | | | | |
|----------------|------------|-----------|---------|----------|--------------|-------|---|
| BGN | -0.1951558 | 0.6101733 | -0.3198 | 0.749 | -0.210417142 | count | 1 |
| ANKRD65 | -1.1146395 | 0.9632633 | -1.1571 | 0.247 | -0.210340612 | count | 1 |
| CDH13 | -1.1146395 | 0.9153164 | -1.2178 | 0.223 | -0.210340612 | count | 1 |
| ITPKC | -0.5371738 | 0.5411927 | -0.9926 | 0.321 | -0.21031913 | count | 1 |
| ATP8B2 | -0.7905058 | 1.075667 | -0.7349 | 0.462 | -0.210259472 | count | 1 |
| F2R | -0.7905058 | 1.2294638 | -0.643 | 0.52 | -0.210259472 | count | 1 |
| MIR181A2HG | -0.7905058 | 1.075667 | -0.7349 | 0.462 | -0.210259472 | count | 1 |
| SLFN12L | -0.7905058 | 1.075667 | -0.7349 | 0.462 | -0.210259472 | count | 1 |
| AC145207.5 | -0.7905058 | 1.075667 | -0.7349 | 0.462 | -0.210259472 | count | 1 |
| CNN1 | -0.7905058 | 1.075667 | -0.7349 | 0.462 | -0.210259472 | count | 1 |
| PBX4 | -0.7905058 | 1.075667 | -0.7349 | 0.462 | -0.210259472 | count | 1 |
| AC243960.3 | -0.7905058 | 1.7811212 | -0.4438 | 0.657 | -0.210259472 | count | 1 |
| PSMC1 | -0.1498516 | 0.0965529 | -1.552 | 0.121 | -0.20996448 | count | 1 |
| RITA1 | -0.2631175 | 0.3630719 | -0.7247 | 0.469 | -0.209875284 | count | 1 |
| MSANTD4 | -0.2630341 | 0.3404544 | -0.7726 | 0.44 | -0.209811719 | count | 1 |
| SLC25A3 | -0.1463823 | 0.0408094 | -3.587 | 0.000341 | -0.209807885 | count | 1 |
| PLEKHM3 | -0.4718217 | 0.4518071 | -1.0443 | 0.296 | -0.209698038 | count | 1 |
| ZNF500 | -0.7872301 | 0.7743809 | -1.0166 | 0.309 | -0.209600514 | count | 1 |
| DYNC1LI2 | -0.1555502 | 0.1511708 | -1.029 | 0.304 | -0.209526979 | count | 1 |
| PLEKHN1 | -0.4254854 | 0.8904156 | -0.4779 | 0.633 | -0.209371737 | count | 1 |
| NECTIN4 | -0.4254854 | 0.926407 | -0.4593 | 0.646 | -0.209371737 | count | 1 |
| ZNF236-DT | -0.4254854 | 0.8777367 | -0.4848 | 0.628 | -0.209371737 | count | 1 |
| ZNF552 | -0.4254854 | 0.8262043 | -0.515 | 0.607 | -0.209371737 | count | 1 |
| CEP290 | -0.1780701 | 0.3303938 | -0.539 | 0.59 | -0.209274265 | count | 1 |
| GNS | -0.1506735 | 0.0996137 | -1.5126 | 0.131 | -0.208821156 | count | 1 |
| FAM149B1 | -0.2552426 | 0.5830005 | -0.4378 | 0.662 | -0.208763322 | count | 1 |
| DKC1 | -0.1581951 | 0.186563 | -0.8479 | 0.397 | -0.208734274 | count | 1 |
| LAMTOR5 | -0.1467938 | 0.0681563 | -2.1538 | 0.0314 | -0.208477603 | count | 1 |
| ZNF816-ZNF321P | -0.6253006 | 0.7323882 | -0.8538 | 0.393 | -0.208405979 | count | 1 |
| ZIK1 | -0.4232547 | 0.7219378 | -0.5863 | 0.558 | -0.208390694 | count | 1 |
| AC006547.3 | -0.5305698 | 1.0378485 | -0.5112 | 0.609 | -0.208114898 | count | 1 |
| DNMT1 | -0.1518194 | 0.1157342 | -1.3118 | 0.19 | -0.207897101 | count | 1 |
| ZNF260 | -0.3614827 | 0.590374 | -0.6123 | 0.54 | -0.207832177 | count | 1 |
| NABP2 | -0.1773337 | 0.2791257 | -0.6353 | 0.525 | -0.207788434 | count | 1 |
| MGME1 | -0.1737054 | 0.2336156 | -0.7436 | 0.457 | -0.207596976 | count | 1 |
| LILRB1 | -0.1522114 | 0.1275032 | -1.1938 | 0.233 | -0.207556869 | count | 1 |
| TRMU | -0.2123717 | 0.4360265 | -0.4871 | 0.626 | -0.207544025 | count | 1 |
| CDKAL1 | -0.2427302 | 0.3381999 | -0.7177 | 0.473 | -0.207459894 | count | 1 |
| EIF4G2 | -0.145662 | 0.0596673 | -2.4412 | 0.0147 | -0.207292437 | count | 1 |
| AC004846.1 | -0.3071455 | 0.6238709 | -0.4923 | 0.623 | -0.207263159 | count | 1 |
| HIVEP2 | -0.307063 | 0.5204255 | -0.59 | 0.555 | -0.207210934 | count | 1 |
| PPP1R15B | -0.1486774 | 0.1336178 | -1.1127 | 0.266 | -0.207047066 | count | 1 |
| TSC22D2 | -0.1525588 | 0.1673993 | -0.9113 | 0.362 | -0.207002162 | count | 1 |
| ANXA2R | -0.2073949 | 0.3686325 | -0.5626 | 0.574 | -0.206967736 | count | 1 |
| DYNC2H1 | -0.359806 | 0.6660077 | -0.5402 | 0.589 | -0.206947483 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|------------|
| LAP3 | -0.1451445 | 0.0562799 | -2.579 | 0.00997 | -0.206939717 | count | 1 |
| AC099778.1 | -0.3380704 | 0.4752342 | -0.7114 | 0.477 | -0.206645345 | count | 1 |
| DENND5B | -0.2464925 | 1.1811284 | -0.2087 | 0.835 | -0.206349873 | count | 1 |
| NAGLU | -0.1611218 | 0.2068037 | -0.7791 | 0.436 | -0.206167708 | count | 1 |
| CRIP2 | -0.5244815 | 0.5889508 | -0.8905 | 0.373 | -0.206074562 | count | 1 |
| PLEKHM1 | -0.163468 | 0.2295986 | -0.712 | 0.477 | -0.206025393 | count | 1 |
| KLHL15 | -0.2514651 | 0.3490361 | -0.7205 | 0.471 | -0.205800995 | count | 1 |
| GSTZ1 | -0.1606885 | 0.219025 | -0.7337 | 0.463 | -0.205617055 | count | 1 |
| SMS | -0.1451607 | 0.0807577 | -1.7975 | 0.0724 | -0.205476864 | count | 1 |
| GUCY1B1 | -0.6139554 | 0.6812132 | -0.9013 | 0.368 | -0.205305469 | count | 1 |
| VAMP1 | -0.7657715 | 0.6771702 | -1.1308 | 0.258 | -0.205243855 | count | 1 |
| DNPH1 | -0.1455461 | 0.09089 | -1.6013 | 0.109 | -0.205146859 | count | 1 |
| RNASEH1 | -0.161984 | 0.2420177 | -0.6693 | 0.503 | -0.204946024 | count | 1 |
| FANCM | -0.3557699 | 0.3787386 | -0.9394 | 0.348 | -0.204814787 | count | 1 |
| MIER2 | -0.1887299 | 0.324255 | -0.582 | 0.561 | -0.204813724 | count | 1 |
| TCAF2 | -0.4590063 | 0.7883327 | -0.5822 | 0.56 | -0.204692191 | count | 1 |
| GIMAP5 | -0.7625188 | 0.6402552 | -1.191 | 0.234 | -0.204577392 | count | 1 |
| RAB34 | -0.1467789 | 0.1157224 | -1.2684 | 0.205 | -0.204498575 | count | 1 |
| TCEA3 | -1.0661981 | 0.9507749 | -1.1214 | 0.262 | -0.204373409 | count | 1 |
| SSR2 | -0.1429357 | 0.0545593 | -2.6198 | 0.00885 | -0.204313975 | count | 1 |
| OXL1 | -0.1590989 | 0.2050374 | -0.776 | 0.438 | -0.204008278 | count | 1 |
| MRPL11 | -0.1462803 | 0.1103816 | -1.3252 | 0.185 | -0.203892993 | count | 1 |
| HLA-DMA | -0.1417711 | 0.0496556 | -2.8551 | 0.00434 | -0.203874737 | count | 1 |
| CRYL1 | -0.1488995 | 0.1019561 | -1.4604 | 0.144 | -0.203830128 | count | 1 |
| ZDHHC23 | -2.153456 | 1.2629127 | -1.7051 | 0.0883 | -0.203675744 | count | 1 |
| CTSV | -2.153456 | 1.849958 | -1.1641 | 0.245 | -0.203675744 | count | 1 |
| LRR39 | -0.5167732 | 1.5811474 | -0.3268 | 0.744 | -0.203479971 | count | 1 |
| TOLLIP-AS1 | -0.5167732 | 1.1246937 | -0.4595 | 0.646 | -0.203479971 | count | 1 |
| MRV1-AS1 | -0.5167732 | 1.186984 | -0.4354 | 0.663 | -0.203479971 | count | 1 |
| NLRX1 | -0.5167732 | 1.0911974 | -0.4736 | 0.636 | -0.203479971 | count | 1 |
| AC025580.3 | -0.5167732 | 1.0911974 | -0.4736 | 0.636 | -0.203479971 | count | 1 |
| ZNF223 | -0.5167732 | 1.3043674 | -0.3962 | 0.692 | -0.203479971 | count | 1 |
| BBS4 | -0.2616737 | 0.3728041 | -0.7019 | 0.483 | -0.203433612 | count | 1 |
| TUBA1A | -0.1414545 | 0.066652 | -2.1223 | 0.0339 | -0.203359301 | count | 1 |
| ARPC2 | -0.1412589 | 0.0298315 | -4.7352 | 2.31E-06 | -0.203284158 | count | 0.05492718 |
| SIVA1 | -0.1429713 | 0.078048 | -1.8318 | 0.0671 | -0.203197319 | count | 1 |
| YWHAQ | -0.1439899 | 0.0801272 | -1.797 | 0.0725 | -0.203188635 | count | 1 |
| PDCL3 | -0.1456838 | 0.1133132 | -1.2857 | 0.199 | -0.202922213 | count | 1 |
| NUDCD1 | -0.1868415 | 0.3336445 | -0.56 | 0.576 | -0.202800103 | count | 1 |
| AC017002.3 | -0.3773708 | 0.7764503 | -0.486 | 0.627 | -0.202642487 | count | 1 |
| VTI1B | -0.1440666 | 0.098764 | -1.4587 | 0.145 | -0.202499622 | count | 1 |
| PRPF38B | -0.1448604 | 0.0921889 | -1.5713 | 0.116 | -0.202382587 | count | 1 |
| SRSF9 | -0.1415813 | 0.0538353 | -2.6299 | 0.00859 | -0.202314681 | count | 1 |
| POLR2J | -0.1431066 | 0.0863028 | -1.6582 | 0.0974 | -0.202296548 | count | 1 |
| PCNX4 | -0.1651302 | 0.1869914 | -0.8831 | 0.377 | -0.202276945 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|---|
| TMED4 | -0.1447082 | 0.1042747 | -1.3878 | 0.165 | -0.202185247 | count | 1 |
| GBGT1 | -0.1643546 | 0.1977948 | -0.8309 | 0.406 | -0.202088419 | count | 1 |
| DNAJB11 | -0.1494655 | 0.1404794 | -1.064 | 0.287 | -0.202068547 | count | 1 |
| TNFRSF8 | -0.2275262 | 0.4004359 | -0.5682 | 0.57 | -0.202049009 | count | 1 |
| CCR6 | -2.101768 | 1.0367371 | -2.0273 | 0.0427 | -0.201949725 | count | 1 |
| MRPS18C | -0.1440099 | 0.1045427 | -1.3775 | 0.168 | -0.201900898 | count | 1 |
| QDPR | -0.1525364 | 0.1892968 | -0.8058 | 0.42 | -0.201859276 | count | 1 |
| CDC123 | -0.1469382 | 0.1177866 | -1.2475 | 0.212 | -0.201823066 | count | 1 |
| SUSD6 | -0.1534293 | 0.1518202 | -1.0106 | 0.312 | -0.201760139 | count | 1 |
| UEVLD | -0.2020446 | 0.429853 | -0.47 | 0.638 | -0.20175376 | count | 1 |
| CORO7 | -0.1601735 | 0.2464047 | -0.65 | 0.516 | -0.201639632 | count | 1 |
| TUFM | -0.1428097 | 0.0682834 | -2.0914 | 0.0366 | -0.201635577 | count | 1 |
| TRAF3IP2 | -0.2669768 | 0.5389298 | -0.4954 | 0.62 | -0.201557958 | count | 1 |
| TMC4 | -0.4077676 | 0.599408 | -0.6803 | 0.496 | -0.201545495 | count | 1 |
| NUP50-DT | -0.1917837 | 0.3977839 | -0.4821 | 0.63 | -0.20149745 | count | 1 |
| OAZ2 | -0.1464228 | 0.1306669 | -1.1206 | 0.263 | -0.201453474 | count | 1 |
| SRP54 | -0.1473309 | 0.1325975 | -1.1111 | 0.267 | -0.201318505 | count | 1 |
| CCDC30 | -0.2666409 | 0.7286363 | -0.3659 | 0.714 | -0.201316544 | count | 1 |
| SDCBP | -0.1399364 | 0.0413754 | -3.3821 | 0.000731 | -0.201011231 | count | 1 |
| HAVCR2 | -0.14314 | 0.0864516 | -1.6557 | 0.0979 | -0.200931492 | count | 1 |
| TLN2 | -0.4062946 | 0.471386 | -0.8619 | 0.389 | -0.200891334 | count | 1 |
| TNFAIP1 | -0.1838967 | 0.3999476 | -0.4598 | 0.646 | -0.200787089 | count | 1 |
| AL928654.1 | -1.0370172 | 1.3115291 | -0.7907 | 0.429 | -0.200662779 | count | 1 |
| PWP1 | -0.1491713 | 0.1662543 | -0.8972 | 0.37 | -0.200620754 | count | 1 |
| NEK6 | -0.1556434 | 0.1871844 | -0.8315 | 0.406 | -0.200373417 | count | 1 |
| ZW10 | -0.3723841 | 0.4725592 | -0.788 | 0.431 | -0.200202422 | count | 1 |
| COPE | -0.1400052 | 0.049618 | -2.8217 | 0.00482 | -0.200172623 | count | 1 |
| AC083973.1 | -0.4460252 | 0.7020644 | -0.6353 | 0.525 | -0.199582506 | count | 1 |
| ETV6 | -0.1460376 | 0.1213306 | -1.2036 | 0.229 | -0.199118108 | count | 1 |
| THAP11 | -0.1504482 | 0.2212308 | -0.6801 | 0.497 | -0.198893862 | count | 1 |
| RASGEF1B | -0.1395759 | 0.0790835 | -1.7649 | 0.0777 | -0.198406949 | count | 1 |
| MICAL1 | -0.1675152 | 0.245254 | -0.683 | 0.495 | -0.19815833 | count | 1 |
| PSMA7 | -0.1378141 | 0.0398477 | -3.4585 | 0.000552 | -0.197991572 | count | 1 |
| EXT2 | -0.2000955 | 0.3588716 | -0.5576 | 0.577 | -0.197889834 | count | 1 |
| SMC3 | -0.146071 | 0.1386863 | -1.0532 | 0.292 | -0.197613418 | count | 1 |
| FZD2 | -0.1701231 | 0.2854962 | -0.5959 | 0.551 | -0.19752701 | count | 1 |
| ZNF622 | -0.1460759 | 0.1465067 | -0.9971 | 0.319 | -0.197501783 | count | 1 |
| CEP250 | -0.3053122 | 0.4346408 | -0.7024 | 0.482 | -0.197368357 | count | 1 |
| TXN | -0.1374779 | 0.0598318 | -2.2977 | 0.0217 | -0.197190755 | count | 1 |
| REEP5 | -0.1379302 | 0.0547857 | -2.5176 | 0.0119 | -0.197185137 | count | 1 |
| ADH5 | -0.1423336 | 0.1189938 | -1.1961 | 0.232 | -0.197053421 | count | 1 |
| WDR46 | -0.1543158 | 0.1843501 | -0.8371 | 0.403 | -0.196893267 | count | 1 |
| RTL5 | -0.2297452 | 0.5024641 | -0.4572 | 0.648 | -0.196753726 | count | 1 |
| SYS1 | -0.1481172 | 0.1588862 | -0.9322 | 0.351 | -0.196643177 | count | 1 |
| AP005329.1 | -0.7234447 | 0.8292863 | -0.8724 | 0.383 | -0.196445184 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|-------------|
| STARD3NL | -0.1443067 | 0.1587775 | -0.9089 | 0.364 | -0.19614866 | count | 1 |
| TMSB4X | -0.1360294 | 0.0269309 | -5.051 | 4.72E-07 | -0.196138507 | count | 0.011255312 |
| CIAPIN1 | -0.1694211 | 0.2257756 | -0.7504 | 0.453 | -0.196051053 | count | 1 |
| MRPL47 | -0.1447539 | 0.1264397 | -1.1448 | 0.252 | -0.195779282 | count | 1 |
| MRPS24 | -0.9978423 | 1.0758831 | -0.9275 | 0.354 | -0.195540784 | count | 1 |
| TMEM167A | -0.1375439 | 0.0763825 | -1.8007 | 0.0719 | -0.19544489 | count | 1 |
| AURKAIP1 | -0.1372758 | 0.0643086 | -2.1346 | 0.0329 | -0.195374121 | count | 1 |
| XPC | -0.1566959 | 0.3382242 | -0.4633 | 0.643 | -0.195339727 | count | 1 |
| SPOUT1 | -0.2235067 | 0.3583753 | -0.6237 | 0.533 | -0.195190694 | count | 1 |
| SH3BP5L | -0.2232611 | 0.5002369 | -0.4463 | 0.655 | -0.194983325 | count | 1 |
| TRIM39 | -0.2498634 | 0.6359111 | -0.3929 | 0.694 | -0.194651159 | count | 1 |
| DHRS9 | -0.1410915 | 0.2195794 | -0.6426 | 0.521 | -0.194583459 | count | 1 |
| STRAP | -0.1412007 | 0.0965548 | -1.4624 | 0.144 | -0.19455995 | count | 1 |
| ACIN1 | -0.142915 | 0.1255179 | -1.1386 | 0.255 | -0.194552454 | count | 1 |
| TTYH3 | -0.1451096 | 0.1551383 | -0.9354 | 0.35 | -0.194223597 | count | 1 |
| GNL3L | -0.1888955 | 0.3995768 | -0.4727 | 0.636 | -0.194008967 | count | 1 |
| COX7A2 | -0.1355664 | 0.0492846 | -2.7507 | 0.00599 | -0.194005845 | count | 1 |
| ALDH2 | -0.1371469 | 0.0639548 | -2.1444 | 0.0321 | -0.193992568 | count | 1 |
| TBPL1 | -0.157203 | 0.2271096 | -0.6922 | 0.489 | -0.193719472 | count | 1 |
| C5orf51 | -0.1618105 | 0.2578569 | -0.6275 | 0.53 | -0.193529281 | count | 1 |
| TGFA | -0.9808895 | 0.9528925 | -1.0294 | 0.303 | -0.19327349 | count | 1 |
| WWC2 | -0.1878576 | 0.3311811 | -0.5672 | 0.571 | -0.192964615 | count | 1 |
| PSMD12 | -0.1383532 | 0.0952304 | -1.4528 | 0.146 | -0.192879468 | count | 1 |
| IRGQ | -0.1763605 | 0.3343666 | -0.5274 | 0.598 | -0.192691093 | count | 1 |
| RHOA | -0.1339478 | 0.0348717 | -3.8412 | 0.000126 | -0.192541452 | count | 1 |
| KCTD5 | -0.1608596 | 0.2841802 | -0.566 | 0.571 | -0.192403692 | count | 1 |
| TMED9 | -0.1359351 | 0.0826319 | -1.6451 | 0.1 | -0.192379961 | count | 1 |
| SLC35E1 | -0.1512438 | 0.2274857 | -0.6648 | 0.506 | -0.192358622 | count | 1 |
| SLC12A7 | -0.2061344 | 0.316915 | -0.6504 | 0.515 | -0.192090668 | count | 1 |
| PDE8A | -0.1576643 | 0.3284127 | -0.4801 | 0.631 | -0.192071822 | count | 1 |
| SNRPG | -0.1353536 | 0.0704134 | -1.9223 | 0.0547 | -0.191912413 | count | 1 |
| DENND6A-DT | -1.838001 | 1.2705592 | -1.4466 | 0.148 | -0.191718166 | count | 1 |
| PCBP1 | -0.1337813 | 0.0450539 | -2.9694 | 0.00301 | -0.19162513 | count | 1 |
| RPL3 | -0.1330276 | 0.0293523 | -4.5321 | 6.12E-06 | -0.191420855 | count | 0.14520312 |
| MTX2 | -0.153412 | 0.2314114 | -0.6629 | 0.507 | -0.191277894 | count | 1 |
| MAP9 | -0.6988948 | 0.7888952 | -0.8859 | 0.376 | -0.191215471 | count | 1 |
| YEATS2 | -0.1729465 | 0.4472342 | -0.3867 | 0.699 | -0.191032286 | count | 1 |
| SPTY2D1 | -0.1445214 | 0.1717615 | -0.8414 | 0.4 | -0.19088296 | count | 1 |
| ASCC1 | -0.1789861 | 0.3547192 | -0.5046 | 0.614 | -0.190880001 | count | 1 |
| ADGRA2 | -0.9621425 | 1.1344572 | -0.8481 | 0.396 | -0.190729952 | count | 1 |
| BSCL2 | -0.9621425 | 1.1344572 | -0.8481 | 0.396 | -0.190729952 | count | 1 |
| AL844908.1 | -0.9621425 | 1.4152142 | -0.6799 | 0.497 | -0.190729952 | count | 1 |
| SOD1 | -0.1343632 | 0.0705646 | -1.9041 | 0.057 | -0.190593989 | count | 1 |
| PYURF | -0.1354806 | 0.0889146 | -1.5237 | 0.128 | -0.190519762 | count | 1 |
| MMADHC | -0.1387014 | 0.1127567 | -1.2301 | 0.219 | -0.190336304 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|---------|--------------|-------|---|
| LINC01503 | -0.1511163 | 0.2343893 | -0.6447 | 0.519 | -0.190319816 | count | 1 |
| STAM2 | -0.1598411 | 0.2663096 | -0.6002 | 0.548 | -0.190213298 | count | 1 |
| CD44 | -0.132953 | 0.0623106 | -2.1337 | 0.033 | -0.190212709 | count | 1 |
| ANAPC15 | -0.1390524 | 0.1368717 | -1.0159 | 0.31 | -0.190195362 | count | 1 |
| PIGF | -0.1460709 | 0.1891592 | -0.7722 | 0.44 | -0.190178575 | count | 1 |
| ZSCAN29 | -0.3821647 | 0.6362103 | -0.6007 | 0.548 | -0.190098373 | count | 1 |
| SUGT1 | -0.1351957 | 0.1032202 | -1.3098 | 0.19 | -0.190046903 | count | 1 |
| TFCP2L1 | -0.6930213 | 0.5345555 | -1.2964 | 0.195 | -0.189950371 | count | 1 |
| C18orf25 | -0.1863458 | 0.2658111 | -0.701 | 0.483 | -0.189836512 | count | 1 |
| ILF3 | -0.1369872 | 0.1193304 | -1.148 | 0.251 | -0.189780696 | count | 1 |
| SLC35A4 | -0.153136 | 0.2326056 | -0.6584 | 0.51 | -0.189724687 | count | 1 |
| TMEM256 | -0.1365451 | 0.1094486 | -1.2476 | 0.212 | -0.189592441 | count | 1 |
| NOL8 | -0.14838 | 0.2098401 | -0.7071 | 0.48 | -0.189570763 | count | 1 |
| PINX1 | -0.1607266 | 0.345219 | -0.4656 | 0.642 | -0.189119094 | count | 1 |
| ACTR3 | -0.1324207 | 0.0609619 | -2.1722 | 0.0299 | -0.189096286 | count | 1 |
| TPGS2 | -0.1439198 | 0.2025689 | -0.7105 | 0.477 | -0.189079742 | count | 1 |
| PAFAH1B2 | -0.1377625 | 0.1315456 | -1.0473 | 0.295 | -0.18894791 | count | 1 |
| GNB1L | -0.2354845 | 0.4480955 | -0.5255 | 0.599 | -0.18870911 | count | 1 |
| OPLAH | -0.6861336 | 0.5944093 | -1.1543 | 0.248 | -0.188459942 | count | 1 |
| AL445472.1 | -0.5530705 | 0.8298299 | -0.6665 | 0.505 | -0.188252733 | count | 1 |
| GPKOW | -0.1670597 | 0.3026239 | -0.552 | 0.581 | -0.188145346 | count | 1 |
| HTATIP2 | -0.1362785 | 0.1200296 | -1.1354 | 0.256 | -0.188095319 | count | 1 |
| AC090630.1 | -0.3243011 | 0.9850727 | -0.3292 | 0.742 | -0.188036812 | count | 1 |
| MAIP1 | -0.173992 | 0.3639374 | -0.4781 | 0.633 | -0.187974531 | count | 1 |
| PARK7 | -0.1312691 | 0.0506195 | -2.5933 | 0.00956 | -0.187780554 | count | 1 |
| AATK | -0.3048579 | 0.6820854 | -0.4469 | 0.655 | -0.18769532 | count | 1 |
| AC009275.1 | -0.4701432 | 0.7183625 | -0.6545 | 0.513 | -0.187512728 | count | 1 |
| TBX6 | -0.4701432 | 0.9600081 | -0.4897 | 0.624 | -0.187512728 | count | 1 |
| MDH1 | -0.1328358 | 0.0791857 | -1.6775 | 0.0936 | -0.187498338 | count | 1 |
| NOL9 | -0.1757239 | 0.3281058 | -0.5356 | 0.592 | -0.187460701 | count | 1 |
| AL356417.3 | -0.4689184 | 0.7403453 | -0.6334 | 0.527 | -0.187087025 | count | 1 |
| MRPS23 | -0.1389822 | 0.1484028 | -0.9365 | 0.349 | -0.18696562 | count | 1 |
| C19orf12 | -0.1728561 | 0.3853382 | -0.4486 | 0.654 | -0.186767274 | count | 1 |
| AL358472.4 | -0.5475907 | 0.7541999 | -0.7261 | 0.468 | -0.186683466 | count | 1 |
| MRPL14 | -0.131997 | 0.0906372 | -1.4563 | 0.145 | -0.186289819 | count | 1 |
| GNB1 | -0.1327911 | 0.0927843 | -1.4312 | 0.153 | -0.186280004 | count | 1 |
| RBMX2 | -0.1457212 | 0.1848763 | -0.7882 | 0.431 | -0.186195015 | count | 1 |
| BTBD7 | -0.1414769 | 0.1900737 | -0.7443 | 0.457 | -0.185767823 | count | 1 |
| DHX8 | -0.159298 | 0.2941043 | -0.5416 | 0.588 | -0.185716521 | count | 1 |
| COL18A1 | -0.4108171 | 0.5024198 | -0.8177 | 0.414 | -0.18552509 | count | 1 |
| ZNF879 | -0.9243565 | 0.66156 | -1.3972 | 0.162 | -0.185485883 | count | 1 |
| TBC1D32 | -0.9243565 | 0.9030643 | -1.0236 | 0.306 | -0.185485883 | count | 1 |
| TIAM1 | -0.1490713 | 0.22263 | -0.6696 | 0.503 | -0.185329213 | count | 1 |
| GORAB | -0.2159271 | 0.3842492 | -0.5619 | 0.574 | -0.185309963 | count | 1 |
| WIPF2 | -0.1582572 | 0.2367633 | -0.6684 | 0.504 | -0.18510853 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|---------|--------------|-------|---|
| NDUFS6 | -0.1310494 | 0.0743329 | -1.763 | 0.078 | -0.185078833 | count | 1 |
| POC1B | -0.170225 | 0.4094373 | -0.4158 | 0.678 | -0.185049011 | count | 1 |
| SEH1L | -0.1550188 | 0.2500089 | -0.6201 | 0.535 | -0.185015664 | count | 1 |
| TUBG1 | -0.1534531 | 0.3627061 | -0.4231 | 0.672 | -0.184964012 | count | 1 |
| CCDC12 | -0.1348334 | 0.1282175 | -1.0516 | 0.293 | -0.184660575 | count | 1 |
| GPR89A | -0.3179566 | 0.6120765 | -0.5195 | 0.603 | -0.184622072 | count | 1 |
| YEATS4 | -0.1433992 | 0.2040301 | -0.7028 | 0.482 | -0.184529231 | count | 1 |
| HECTD3 | -0.1878965 | 0.616723 | -0.3047 | 0.761 | -0.184169201 | count | 1 |
| ZNF195 | -0.1569482 | 0.2895383 | -0.5421 | 0.588 | -0.18416536 | count | 1 |
| SSBP3 | -0.1476333 | 0.2640356 | -0.5591 | 0.576 | -0.184126762 | count | 1 |
| LRRC14 | -0.2600346 | 0.4721127 | -0.5508 | 0.582 | -0.184063463 | count | 1 |
| PDSS1 | -0.206334 | 0.4464272 | -0.4622 | 0.644 | -0.18379044 | count | 1 |
| ZNF275 | -0.911584 | 0.8834586 | -1.0318 | 0.302 | -0.183677313 | count | 1 |
| SUV39H2 | -0.911584 | 0.9800878 | -0.9301 | 0.352 | -0.183677313 | count | 1 |
| LINC00672 | -0.911584 | 0.8527045 | -1.0691 | 0.285 | -0.183677313 | count | 1 |
| IL6R-AS1 | -0.4585346 | 0.6524557 | -0.7028 | 0.482 | -0.183464881 | count | 1 |
| PIAS4 | -0.1667857 | 0.2976301 | -0.5604 | 0.575 | -0.183373709 | count | 1 |
| XCL2 | -0.5358108 | 1.8109382 | -0.2959 | 0.767 | -0.183290613 | count | 1 |
| PHF23 | -0.1383069 | 0.1666029 | -0.8302 | 0.407 | -0.183205686 | count | 1 |
| PATL1 | -0.1592557 | 0.2686634 | -0.5928 | 0.553 | -0.183113106 | count | 1 |
| FAF2 | -0.1425373 | 0.1935835 | -0.7363 | 0.462 | -0.183076554 | count | 1 |
| CCDC15 | -0.5345483 | 0.7001432 | -0.7635 | 0.445 | -0.182925423 | count | 1 |
| ANXA11 | -0.1289749 | 0.0705214 | -1.8289 | 0.0675 | -0.182831622 | count | 1 |
| TCTN1 | -0.227763 | 0.4676083 | -0.4871 | 0.626 | -0.182756513 | count | 1 |
| ICMT | -0.1659685 | 0.388794 | -0.4269 | 0.67 | -0.182488478 | count | 1 |
| TAF9 | -0.1303643 | 0.1169309 | -1.1149 | 0.265 | -0.182305355 | count | 1 |
| CANX | -0.1277787 | 0.0571416 | -2.2362 | 0.0254 | -0.182274555 | count | 1 |
| ST13 | -0.1279264 | 0.0634782 | -2.0153 | 0.044 | -0.182269762 | count | 1 |
| NIFK | -0.1304289 | 0.1076387 | -1.2117 | 0.226 | -0.182183628 | count | 1 |
| SLC15A4 | -0.1445425 | 0.2299542 | -0.6286 | 0.53 | -0.182097286 | count | 1 |
| AL138885.3 | -1.633834 | 1.579376 | -1.0345 | 0.301 | -0.181900469 | count | 1 |
| BRSK1 | -1.633834 | 1.0274314 | -1.5902 | 0.112 | -0.181900469 | count | 1 |
| ZNF91 | -0.1512681 | 0.2562348 | -0.5903 | 0.555 | -0.181490138 | count | 1 |
| STAG3 | -0.6529123 | 0.6477095 | -1.008 | 0.314 | -0.181166356 | count | 1 |
| PDCD2L | -0.6529123 | 0.6477095 | -1.008 | 0.314 | -0.181166356 | count | 1 |
| PTGES3 | -0.1271681 | 0.0586346 | -2.1688 | 0.0302 | -0.181116375 | count | 1 |
| HLA-DQB1 | -0.1259502 | 0.0518798 | -2.4277 | 0.0153 | -0.18103573 | count | 1 |
| UBA2 | -0.1350557 | 0.160301 | -0.8425 | 0.4 | -0.181030581 | count | 1 |
| CARD19 | -0.12899 | 0.1150954 | -1.1207 | 0.263 | -0.180509881 | count | 1 |
| OGG1 | -0.2101422 | 0.3733334 | -0.5629 | 0.574 | -0.180503639 | count | 1 |
| BRK1 | -0.1265868 | 0.0512406 | -2.4704 | 0.0136 | -0.180421433 | count | 1 |
| EDF1 | -0.1260899 | 0.0477367 | -2.6414 | 0.00831 | -0.180395855 | count | 1 |
| HYLS1 | -0.3100162 | 0.6705753 | -0.4623 | 0.644 | -0.180333246 | count | 1 |
| BTG3 | -0.1294676 | 0.112815 | -1.1476 | 0.251 | -0.180292005 | count | 1 |
| HERPUD1 | -0.1255399 | 0.0596995 | -2.1029 | 0.0356 | -0.180254959 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|---|
| TM9SF3 | -0.1292098 | 0.0994379 | -1.2994 | 0.194 | -0.18012276 | count | 1 |
| ABI1 | -0.1319511 | 0.1241125 | -1.0632 | 0.288 | -0.180004213 | count | 1 |
| RBSN | -0.1877135 | 0.3455469 | -0.5432 | 0.587 | -0.179877586 | count | 1 |
| CNPY2 | -0.1303663 | 0.1571385 | -0.8296 | 0.407 | -0.179663811 | count | 1 |
| TPMT | -0.1355359 | 0.1343103 | -1.0091 | 0.313 | -0.179643822 | count | 1 |
| AL683813.1 | -0.8832827 | 0.7417659 | -1.1908 | 0.234 | -0.179604153 | count | 1 |
| ABHD17A | -0.1295498 | 0.1119353 | -1.1574 | 0.247 | -0.179580417 | count | 1 |
| ASAH1 | -0.1251411 | 0.046043 | -2.7179 | 0.00662 | -0.179513127 | count | 1 |
| ZNF519 | -0.3584134 | 0.8671808 | -0.4133 | 0.679 | -0.179333267 | count | 1 |
| MAPK12 | -0.5207014 | 0.8284659 | -0.6285 | 0.53 | -0.178899897 | count | 1 |
| ZNF263 | -0.235557 | 0.3808775 | -0.6185 | 0.536 | -0.178839288 | count | 1 |
| C3 | -0.1321182 | 0.2194955 | -0.6019 | 0.547 | -0.178742085 | count | 1 |
| UBXN2B | -0.1376776 | 0.2193208 | -0.6277 | 0.53 | -0.178605032 | count | 1 |
| DUS3L | -0.1719256 | 0.349869 | -0.4914 | 0.623 | -0.178322058 | count | 1 |
| MSC | -1.561725 | 1.0907918 | -1.4317 | 0.152 | -0.177974221 | count | 1 |
| RANBP9 | -0.1420253 | 0.2333685 | -0.6086 | 0.543 | -0.177967482 | count | 1 |
| C16orf87 | -0.1326499 | 0.1479247 | -0.8967 | 0.37 | -0.177954095 | count | 1 |
| NSMF | -0.2029647 | 0.3573074 | -0.568 | 0.57 | -0.177789668 | count | 1 |
| SDHB | -0.1272421 | 0.0899525 | -1.4145 | 0.157 | -0.17775234 | count | 1 |
| RASSF4 | -0.1259083 | 0.0822795 | -1.5303 | 0.126 | -0.177693073 | count | 1 |
| PPP2CB | -0.1324219 | 0.1538321 | -0.8608 | 0.389 | -0.177581249 | count | 1 |
| HEXB | -0.1253513 | 0.0719646 | -1.7418 | 0.0817 | -0.177575882 | count | 1 |
| DLGAP1-AS1 | -0.1472426 | 0.2624415 | -0.561 | 0.575 | -0.177545749 | count | 1 |
| DOT1L | -0.1521097 | 0.344218 | -0.4419 | 0.659 | -0.177427236 | count | 1 |
| NDUFV1 | -0.1291764 | 0.1136101 | -1.137 | 0.256 | -0.177134082 | count | 1 |
| P2RY1 | -0.1751085 | 0.4179416 | -0.419 | 0.675 | -0.17703779 | count | 1 |
| CETP | -0.2863251 | 0.7182286 | -0.3987 | 0.69 | -0.176990141 | count | 1 |
| ZNF7 | -0.1592022 | 0.3743 | -0.4253 | 0.671 | -0.176940469 | count | 1 |
| SIN3A | -0.1436207 | 0.2391391 | -0.6006 | 0.548 | -0.176795884 | count | 1 |
| MAP7D1 | -0.1280689 | 0.1097534 | -1.1669 | 0.243 | -0.176787566 | count | 1 |
| CDC37 | -0.1246336 | 0.0674959 | -1.8465 | 0.0649 | -0.176638655 | count | 1 |
| TXLNA | -0.1448873 | 0.2392606 | -0.6056 | 0.545 | -0.176637166 | count | 1 |
| STOML2 | -0.1286121 | 0.1602363 | -0.8026 | 0.422 | -0.176586259 | count | 1 |
| AL161421.1 | -0.149069 | 0.3092122 | -0.4821 | 0.63 | -0.176556186 | count | 1 |
| COPS7A | -0.1367288 | 0.1766224 | -0.7741 | 0.439 | -0.176476387 | count | 1 |
| CHAF1A | -0.2095551 | 0.3058673 | -0.6851 | 0.493 | -0.176449345 | count | 1 |
| STX8 | -0.1299368 | 0.1220416 | -1.0647 | 0.287 | -0.176395427 | count | 1 |
| MT-ATP6 | -0.1223769 | 0.0307059 | -3.9854 | 6.93E-05 | -0.176330064 | count | 1 |
| MAP4K5 | -0.1410475 | 0.2177619 | -0.6477 | 0.517 | -0.17623618 | count | 1 |
| SNX7 | -0.231472 | 0.3674731 | -0.6299 | 0.529 | -0.175865228 | count | 1 |
| AKAP2 | -1.52113 | 1.1378164 | -1.3369 | 0.181 | -0.175649266 | count | 1 |
| CD151 | -0.1287868 | 0.0982914 | -1.3103 | 0.19 | -0.175537742 | count | 1 |
| APP | -0.1289672 | 0.1435022 | -0.8987 | 0.369 | -0.175311686 | count | 1 |
| RASL10A | -0.2571495 | 0.5250376 | -0.4898 | 0.624 | -0.175267917 | count | 1 |
| TMEM222 | -0.1501185 | 0.3085393 | -0.4865 | 0.627 | -0.175129457 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|---|
| SH3BP5-AS1 | -0.5077973 | 0.8487363 | -0.5983 | 0.55 | -0.175115288 | count | 1 |
| FRS3 | -0.5077973 | 0.8538619 | -0.5947 | 0.552 | -0.175115288 | count | 1 |
| AJM1 | -0.5077973 | 1.0347724 | -0.4907 | 0.624 | -0.175115288 | count | 1 |
| NCOR2 | -0.1307936 | 0.1750181 | -0.7473 | 0.455 | -0.175058825 | count | 1 |
| DCXR | -0.1249834 | 0.0975841 | -1.2808 | 0.2 | -0.174934105 | count | 1 |
| CCDC90B | -0.1275411 | 0.1343723 | -0.9492 | 0.343 | -0.174896924 | count | 1 |
| EMILIN2 | -0.1240913 | 0.0750546 | -1.6533 | 0.0984 | -0.174813326 | count | 1 |
| CCL19 | -1.500214 | 0.8732205 | -1.718 | 0.0859 | -0.174418036 | count | 1 |
| ASB7 | -0.2990747 | 0.470579 | -0.6355 | 0.525 | -0.174395885 | count | 1 |
| CHCHD10 | -0.1221724 | 0.0587284 | -2.0803 | 0.0376 | -0.17426026 | count | 1 |
| TAF5L | -0.172102 | 0.3873692 | -0.4443 | 0.657 | -0.174056496 | count | 1 |
| PCNX1 | -0.1437971 | 0.2793068 | -0.5148 | 0.607 | -0.173823514 | count | 1 |
| AL031848.2 | -1.489796 | 1.481218 | -1.0058 | 0.315 | -0.173796062 | count | 1 |
| TCEAL4 | -0.1234054 | 0.11139 | -1.1079 | 0.268 | -0.173300249 | count | 1 |
| APMAP | -0.1272869 | 0.1534548 | -0.8295 | 0.407 | -0.173292538 | count | 1 |
| CDH26 | -0.3806309 | 0.6627915 | -0.5743 | 0.566 | -0.173241088 | count | 1 |
| SMTN | -0.3806309 | 0.8626004 | -0.4413 | 0.659 | -0.173241088 | count | 1 |
| RPSA | -0.1204973 | 0.0364188 | -3.3087 | 0.000951 | -0.173228844 | count | 1 |
| RELB | -0.1265615 | 0.1385951 | -0.9132 | 0.361 | -0.172972537 | count | 1 |
| PAPOLA | -0.1229677 | 0.0799273 | -1.5385 | 0.124 | -0.172943775 | count | 1 |
| RBL2 | -0.1420576 | 0.1923211 | -0.7386 | 0.46 | -0.172493981 | count | 1 |
| GMDS-DT | -0.2202113 | 0.4209725 | -0.5231 | 0.601 | -0.172428902 | count | 1 |
| ITGB3BP | -0.1574827 | 0.306672 | -0.5135 | 0.608 | -0.17235901 | count | 1 |
| AL132656.2 | -1.464829 | 1.298091 | -1.1284 | 0.259 | -0.172281956 | count | 1 |
| TOR1A | -0.128763 | 0.1646254 | -0.7822 | 0.434 | -0.172064756 | count | 1 |
| STAM | -0.1352258 | 0.2195984 | -0.6158 | 0.538 | -0.171910917 | count | 1 |
| ACBD5 | -0.1375509 | 0.189245 | -0.7268 | 0.467 | -0.171897134 | count | 1 |
| G2E3 | -0.1419904 | 0.2584238 | -0.5494 | 0.583 | -0.171658228 | count | 1 |
| RTL8B | -0.251118 | 0.7452227 | -0.337 | 0.736 | -0.17136092 | count | 1 |
| PLXDC2 | -0.1214721 | 0.082562 | -1.4713 | 0.141 | -0.17132113 | count | 1 |
| PARM1 | -0.6091694 | 0.7633704 | -0.798 | 0.425 | -0.171294916 | count | 1 |
| AC012360.3 | -0.2251625 | 0.9741886 | -0.2311 | 0.817 | -0.171262498 | count | 1 |
| ACOT7 | -0.2249738 | 0.5036273 | -0.4467 | 0.655 | -0.171124678 | count | 1 |
| USP12 | -0.1266765 | 0.1778503 | -0.7123 | 0.476 | -0.170978827 | count | 1 |
| DMAC1 | -0.125829 | 0.1453923 | -0.8654 | 0.387 | -0.170742362 | count | 1 |
| KHK | -0.2501576 | 0.4332494 | -0.5774 | 0.564 | -0.17073787 | count | 1 |
| PRMT1 | -0.1218838 | 0.102339 | -1.191 | 0.234 | -0.170426465 | count | 1 |
| AC008429.1 | -0.8212991 | 0.8675742 | -0.9467 | 0.344 | -0.170360982 | count | 1 |
| LINC01268 | -0.8212991 | 0.8786115 | -0.9348 | 0.35 | -0.170360982 | count | 1 |
| PRR14 | -0.1522383 | 0.335318 | -0.454 | 0.65 | -0.170113107 | count | 1 |
| AL137186.2 | -0.1636744 | 0.4167024 | -0.3928 | 0.695 | -0.169910389 | count | 1 |
| LINC01759 | -0.6029909 | 1.1849751 | -0.5089 | 0.611 | -0.169875821 | count | 1 |
| NOS1AP | -0.6029909 | 1.1849751 | -0.5089 | 0.611 | -0.169875821 | count | 1 |
| DOCK3 | -0.6029909 | 1.1304458 | -0.5334 | 0.594 | -0.169875821 | count | 1 |
| POT1-AS1 | -0.6029909 | 1.550106 | -0.389 | 0.697 | -0.169875821 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|---|
| AL391988.1 | -0.6029909 | 1.2691712 | -0.4751 | 0.635 | -0.169875821 | count | 1 |
| FBXL14 | -0.6029909 | 1.1304458 | -0.5334 | 0.594 | -0.169875821 | count | 1 |
| WNK1 | -0.1232456 | 0.1089277 | -1.1314 | 0.258 | -0.16935212 | count | 1 |
| UBA1 | -0.1310391 | 0.2006236 | -0.6532 | 0.514 | -0.169319871 | count | 1 |
| DNASE1L1 | -0.1449617 | 0.1600311 | -0.9058 | 0.365 | -0.169175467 | count | 1 |
| CA11 | -0.1834503 | 0.3353827 | -0.547 | 0.584 | -0.169084857 | count | 1 |
| OXSM | -0.1784259 | 0.3689601 | -0.4836 | 0.629 | -0.169079787 | count | 1 |
| SRGAP1 | -0.1272601 | 0.2207562 | -0.5765 | 0.564 | -0.169057267 | count | 1 |
| SPIB | -0.1581832 | 0.3302073 | -0.479 | 0.632 | -0.169035548 | count | 1 |
| SLC6A6 | -0.1241594 | 0.1709343 | -0.7264 | 0.468 | -0.168836464 | count | 1 |
| MPZL2 | -0.2887062 | 0.6479002 | -0.4456 | 0.656 | -0.168740038 | count | 1 |
| NUCKS1 | -0.1186632 | 0.0690837 | -1.7177 | 0.086 | -0.168698799 | count | 1 |
| TRIM16 | -1.406195 | 0.9297599 | -1.5124 | 0.131 | -0.168591356 | count | 1 |
| SCAMP3 | -0.134041 | 0.2356523 | -0.5688 | 0.57 | -0.168497921 | count | 1 |
| HCCS | -0.1270233 | 0.1611438 | -0.7883 | 0.431 | -0.168490547 | count | 1 |
| PGPEP1 | -0.140854 | 0.271342 | -0.5191 | 0.604 | -0.168262694 | count | 1 |
| PEX19 | -0.1478856 | 0.3069125 | -0.4818 | 0.63 | -0.168222586 | count | 1 |
| ZDHHC4 | -0.1303907 | 0.1827215 | -0.7136 | 0.476 | -0.168186345 | count | 1 |
| ZNF714 | -0.1882527 | 0.3707741 | -0.5077 | 0.612 | -0.168117469 | count | 1 |
| NUTM2B-AS1 | -0.1255384 | 0.17382 | -0.7222 | 0.47 | -0.168048726 | count | 1 |
| F8A1 | -0.129084 | 0.1839286 | -0.7018 | 0.483 | -0.168038338 | count | 1 |
| SRP9 | -0.1190789 | 0.0805308 | -1.4787 | 0.139 | -0.167973933 | count | 1 |
| SNRPB | -0.1180539 | 0.054899 | -2.1504 | 0.0316 | -0.167851353 | count | 1 |
| FOXC1 | -0.8048576 | 0.6922496 | -1.1627 | 0.245 | -0.167833447 | count | 1 |
| SNX1 | -0.1229429 | 0.1333532 | -0.9219 | 0.357 | -0.167820872 | count | 1 |
| USP8 | -0.1215114 | 0.1192458 | -1.019 | 0.308 | -0.16760922 | count | 1 |
| C19orf48 | -0.1520989 | 0.4143723 | -0.3671 | 0.714 | -0.167443437 | count | 1 |
| NDUFAB1 | -0.117495 | 0.0690349 | -1.702 | 0.0889 | -0.16701003 | count | 1 |
| CAMKMT | -0.2556742 | 0.4434319 | -0.5766 | 0.564 | -0.166984193 | count | 1 |
| POGK | -0.1516038 | 0.2526488 | -0.6001 | 0.549 | -0.166905652 | count | 1 |
| CLIC1 | -0.1158975 | 0.0309112 | -3.7494 | 0.000181 | -0.16687557 | count | 1 |
| PJA1 | -0.2127557 | 0.4702196 | -0.4525 | 0.651 | -0.166802957 | count | 1 |
| FAM53A | -1.378688 | 1.4503264 | -0.9506 | 0.342 | -0.166793044 | count | 1 |
| COL4A2 | -1.378688 | 1.010867 | -1.3639 | 0.173 | -0.166793044 | count | 1 |
| CGRRF1 | -0.1371972 | 0.2451141 | -0.5597 | 0.576 | -0.166639763 | count | 1 |
| TMEM189 | -0.13405 | 0.2059585 | -0.6509 | 0.515 | -0.166516421 | count | 1 |
| TCEA1 | -0.1175578 | 0.0827858 | -1.42 | 0.156 | -0.166487185 | count | 1 |
| DALRD3 | -0.1325741 | 0.2143393 | -0.6185 | 0.536 | -0.166435463 | count | 1 |
| BEX4 | -0.1183455 | 0.1217485 | -0.972 | 0.331 | -0.166167671 | count | 1 |
| LINC02246 | -0.794049 | 1.0790934 | -0.7358 | 0.462 | -0.166154294 | count | 1 |
| FUT8 | -0.2335237 | 0.4467958 | -0.5227 | 0.601 | -0.16613395 | count | 1 |
| MNT | -0.1339556 | 0.2348289 | -0.5704 | 0.568 | -0.166128404 | count | 1 |
| AC093627.4 | -0.22515 | 0.4764457 | -0.4726 | 0.637 | -0.166026155 | count | 1 |
| KDELRL1 | -0.1164586 | 0.0633576 | -1.8381 | 0.0662 | -0.165839863 | count | 1 |
| PITHD1 | -0.1209145 | 0.1535999 | -0.7872 | 0.431 | -0.165768008 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|---------|--------------|-------|---|
| PIGS | -0.1364517 | 0.2765432 | -0.4934 | 0.622 | -0.165741515 | count | 1 |
| MYO1D | -0.4761374 | 0.743485 | -0.6404 | 0.522 | -0.165693558 | count | 1 |
| FANCD2 | -0.4080108 | 0.7969516 | -0.512 | 0.609 | -0.165507458 | count | 1 |
| MTDH | -0.1156482 | 0.0495467 | -2.3341 | 0.0197 | -0.165453112 | count | 1 |
| CHD3 | -0.1333846 | 0.230697 | -0.5782 | 0.563 | -0.165425173 | count | 1 |
| TPD52 | -0.1883492 | 0.3255977 | -0.5785 | 0.563 | -0.165340012 | count | 1 |
| RILPL1 | -0.474111 | 0.5689957 | -0.8332 | 0.405 | -0.165083903 | count | 1 |
| PARN | -0.1531362 | 0.259824 | -0.5894 | 0.556 | -0.164761922 | count | 1 |
| BOP1 | -0.1714918 | 0.3063638 | -0.5598 | 0.576 | -0.164666159 | count | 1 |
| TMEM230 | -0.1168726 | 0.0778114 | -1.502 | 0.133 | -0.164620396 | count | 1 |
| AF129075.2 | -1.3426727 | 1.3553721 | -0.9906 | 0.322 | -0.164371854 | count | 1 |
| PDE7A | -0.1375483 | 0.2856571 | -0.4815 | 0.63 | -0.164348348 | count | 1 |
| GNPTG | -0.1166691 | 0.0904532 | -1.2898 | 0.197 | -0.164347674 | count | 1 |
| AC010680.3 | -0.3004457 | 1.180064 | -0.2546 | 0.799 | -0.164283987 | count | 1 |
| BIRC5 | -0.3004457 | 0.7828468 | -0.3838 | 0.701 | -0.164283987 | count | 1 |
| DNAJB1 | -0.1155065 | 0.0989703 | -1.1671 | 0.243 | -0.164150721 | count | 1 |
| TXNDC11 | -0.1377161 | 0.252626 | -0.5451 | 0.586 | -0.164119952 | count | 1 |
| CDCA7L | -0.1708485 | 0.3427607 | -0.4984 | 0.618 | -0.164061567 | count | 1 |
| LRRC57 | -0.1446215 | 0.263075 | -0.5497 | 0.583 | -0.163872873 | count | 1 |
| MARF1 | -0.1286477 | 0.2322502 | -0.5539 | 0.58 | -0.163782258 | count | 1 |
| GPR108 | -0.1183506 | 0.1199489 | -0.9867 | 0.324 | -0.163576415 | count | 1 |
| CREB1 | -0.1250573 | 0.1556475 | -0.8035 | 0.422 | -0.163534369 | count | 1 |
| RTL10 | -0.2144998 | 0.6031871 | -0.3556 | 0.722 | -0.163459003 | count | 1 |
| DDX19A | -0.1527755 | 0.3713035 | -0.4115 | 0.681 | -0.163341759 | count | 1 |
| TYMP | -0.1134445 | 0.037939 | -2.9902 | 0.00282 | -0.163123858 | count | 1 |
| ZNF317 | -0.2381024 | 0.3804316 | -0.6259 | 0.531 | -0.162895537 | count | 1 |
| AP002478.1 | -1.320787 | 0.911143 | -1.4496 | 0.147 | -0.162862716 | count | 1 |
| SPATA13 | -0.1328513 | 0.2141142 | -0.6205 | 0.535 | -0.162401081 | count | 1 |
| PSMC5 | -0.1151487 | 0.0736418 | -1.5636 | 0.118 | -0.162325034 | count | 1 |
| MPC2 | -0.115591 | 0.1221008 | -0.9467 | 0.344 | -0.162161813 | count | 1 |
| HRAS | -0.121839 | 0.1849326 | -0.6588 | 0.51 | -0.162038514 | count | 1 |
| ATF3 | -0.1126889 | 0.0707467 | -1.5929 | 0.111 | -0.161904008 | count | 1 |
| RAD18 | -0.2006478 | 0.3905785 | -0.5137 | 0.607 | -0.16172242 | count | 1 |
| NECAP2 | -0.1171149 | 0.1243557 | -0.9418 | 0.346 | -0.161649242 | count | 1 |
| SLAMF6 | -0.7648622 | 0.9209919 | -0.8305 | 0.406 | -0.161549682 | count | 1 |
| PLEKHA8 | -0.1623645 | 0.4043179 | -0.4016 | 0.688 | -0.161284374 | count | 1 |
| POLH | -0.3961786 | 0.7484676 | -0.5293 | 0.597 | -0.16122178 | count | 1 |
| PROS1 | -0.2114304 | 0.3410799 | -0.6199 | 0.535 | -0.161206827 | count | 1 |
| PACSN2 | -0.1208302 | 0.1563501 | -0.7728 | 0.44 | -0.161076065 | count | 1 |
| ZNF540 | -0.2746838 | 1.4526059 | -0.1891 | 0.85 | -0.161045558 | count | 1 |
| MIF-AS1 | -0.2746838 | 0.8283578 | -0.3316 | 0.74 | -0.161045558 | count | 1 |
| LRMDA | -0.1152876 | 0.1090653 | -1.0571 | 0.291 | -0.160926619 | count | 1 |
| SUMO1 | -0.1134791 | 0.0682268 | -1.6633 | 0.0964 | -0.160898903 | count | 1 |
| SRD5A3 | -0.1171829 | 0.129288 | -0.9064 | 0.365 | -0.160811613 | count | 1 |
| PIDD1 | -0.2583932 | 0.7162619 | -0.3608 | 0.718 | -0.160679387 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|---------|--------------|-------|---|
| TFB2M | -0.1616661 | 0.380125 | -0.4253 | 0.671 | -0.160603571 | count | 1 |
| AP3S1 | -0.1150804 | 0.1058918 | -1.0868 | 0.277 | -0.160467698 | count | 1 |
| CLSPN | -0.1941908 | 0.4803392 | -0.4043 | 0.686 | -0.160401672 | count | 1 |
| TRAF3 | -0.1274262 | 0.2367696 | -0.5382 | 0.59 | -0.160233118 | count | 1 |
| LINC01137 | -0.3486295 | 0.8389572 | -0.4156 | 0.678 | -0.159984333 | count | 1 |
| SNHG10 | -0.3486295 | 0.8494975 | -0.4104 | 0.682 | -0.159984333 | count | 1 |
| AC009126.1 | -0.3927477 | 0.7653549 | -0.5132 | 0.608 | -0.159973378 | count | 1 |
| TNKS1BP1 | -0.3927477 | 0.7063908 | -0.556 | 0.578 | -0.159973378 | count | 1 |
| EFTUD2 | -0.1243209 | 0.1930558 | -0.644 | 0.52 | -0.159950293 | count | 1 |
| RRP15 | -0.1226231 | 0.2432308 | -0.5041 | 0.614 | -0.159542499 | count | 1 |
| THRAP3 | -0.1125261 | 0.0677358 | -1.6612 | 0.0968 | -0.159509747 | count | 1 |
| TIMM9 | -0.1263117 | 0.1889651 | -0.6684 | 0.504 | -0.159473028 | count | 1 |
| PNO1 | -0.1237703 | 0.1940464 | -0.6378 | 0.524 | -0.159395327 | count | 1 |
| MFSD4B | -0.1603323 | 0.5061066 | -0.3168 | 0.751 | -0.159303048 | count | 1 |
| FBXO45 | -0.1586588 | 0.3307369 | -0.4797 | 0.631 | -0.159218268 | count | 1 |
| PAIP1 | -0.1189426 | 0.1523095 | -0.7809 | 0.435 | -0.159182689 | count | 1 |
| RHBDD3 | -0.158304 | 0.620536 | -0.2551 | 0.799 | -0.15886857 | count | 1 |
| RPS10 | -0.1111503 | 0.0464834 | -2.3912 | 0.0169 | -0.158839612 | count | 1 |
| UNC45A | -0.1381999 | 0.2657904 | -0.52 | 0.603 | -0.158562513 | count | 1 |
| CSNK1A1 | -0.1114724 | 0.0614822 | -1.8131 | 0.0699 | -0.158528062 | count | 1 |
| DCTN5 | -0.1356441 | 0.3826078 | -0.3545 | 0.723 | -0.157887203 | count | 1 |
| MYO6 | -1.2498252 | 1.0957026 | -1.1407 | 0.254 | -0.157767286 | count | 1 |
| TTLL11 | -1.2498252 | 1.0957026 | -1.1407 | 0.254 | -0.157767286 | count | 1 |
| AL137077.2 | -1.2498252 | 1.3252282 | -0.9431 | 0.346 | -0.157767286 | count | 1 |
| C6orf120 | -0.1280435 | 0.2337857 | -0.5477 | 0.584 | -0.157753745 | count | 1 |
| ATP1A1 | -0.1123739 | 0.0873591 | -1.2863 | 0.198 | -0.157662648 | count | 1 |
| ZNF790 | -0.2685371 | 0.5558993 | -0.4831 | 0.629 | -0.157656243 | count | 1 |
| PPP4R3A | -0.1152119 | 0.1262461 | -0.9126 | 0.362 | -0.157594128 | count | 1 |
| ARPC5 | -0.1094689 | 0.0350219 | -3.1257 | 0.00179 | -0.157370792 | count | 1 |
| UBE2Q1 | -0.1181465 | 0.1893986 | -0.6238 | 0.533 | -0.15736642 | count | 1 |
| RMDN1 | -0.1172671 | 0.172704 | -0.679 | 0.497 | -0.157320306 | count | 1 |
| MAP4 | -0.1159704 | 0.1271269 | -0.9122 | 0.362 | -0.157312998 | count | 1 |
| PEBP1 | -0.1107847 | 0.0756936 | -1.4636 | 0.143 | -0.157257836 | count | 1 |
| VPS41 | -0.1207217 | 0.1517386 | -0.7956 | 0.426 | -0.156957257 | count | 1 |
| HLA-DRB5 | -0.108927 | 0.0449479 | -2.4234 | 0.0154 | -0.156942377 | count | 1 |
| ENPP2 | -0.1305688 | 0.1613028 | -0.8095 | 0.418 | -0.156857342 | count | 1 |
| FIBP | -0.1115889 | 0.0944165 | -1.1819 | 0.237 | -0.156666106 | count | 1 |
| FAM207A | -0.1176241 | 0.1683929 | -0.6985 | 0.485 | -0.156600093 | count | 1 |
| DCST1-AS1 | -0.5460932 | 0.799359 | -0.6832 | 0.495 | -0.156514987 | count | 1 |
| NHLRC1 | -0.5460932 | 0.799359 | -0.6832 | 0.495 | -0.156514987 | count | 1 |
| ANKRD16 | -0.2663769 | 0.5504649 | -0.4839 | 0.628 | -0.156462717 | count | 1 |
| BCOR | -0.1849942 | 0.3521771 | -0.5253 | 0.599 | -0.156361193 | count | 1 |
| TSR1 | -0.1261119 | 0.3520734 | -0.3582 | 0.72 | -0.156204101 | count | 1 |
| IFNAR1 | -0.1113421 | 0.0881107 | -1.2637 | 0.206 | -0.156154044 | count | 1 |
| SARS | -0.1147665 | 0.1436885 | -0.7987 | 0.425 | -0.156094721 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|--------|--------------|-------|---|
| PITPNB | -0.1159972 | 0.1450042 | -0.8 | 0.424 | -0.156079841 | count | 1 |
| ZNF250 | -0.2505355 | 0.4394696 | -0.5701 | 0.569 | -0.156052836 | count | 1 |
| ATP5MC3 | -0.1086115 | 0.0453547 | -2.3947 | 0.0167 | -0.155865917 | count | 1 |
| ABHD3 | -0.1361857 | 0.2203766 | -0.618 | 0.537 | -0.155674524 | count | 1 |
| MIR3945HG | -0.1217046 | 0.2101233 | -0.5792 | 0.563 | -0.155665719 | count | 1 |
| SIK2 | -0.1283538 | 0.307416 | -0.4175 | 0.676 | -0.155642987 | count | 1 |
| EMC3 | -0.1111491 | 0.0984213 | -1.1293 | 0.259 | -0.15561493 | count | 1 |
| FOXK2 | -0.1285696 | 0.2626822 | -0.4894 | 0.625 | -0.15555816 | count | 1 |
| TNPO2 | -0.1768119 | 0.4919287 | -0.3594 | 0.719 | -0.155472285 | count | 1 |
| FSTL1 | -0.3801963 | 1.0133333 | -0.3752 | 0.708 | -0.155384427 | count | 1 |
| AC138356.1 | -0.3801963 | 1.3877242 | -0.274 | 0.784 | -0.155384427 | count | 1 |
| ZBTB3 | -0.3801963 | 1.0748319 | -0.3537 | 0.724 | -0.155384427 | count | 1 |
| AC022098.3 | -0.3801963 | 0.8770262 | -0.4335 | 0.665 | -0.155384427 | count | 1 |
| AC010331.1 | -0.3801963 | 0.8009912 | -0.4747 | 0.635 | -0.155384427 | count | 1 |
| RBM34 | -0.2035028 | 0.5001724 | -0.4069 | 0.684 | -0.155377887 | count | 1 |
| BBS7 | -0.151883 | 0.4008346 | -0.3789 | 0.705 | -0.155309919 | count | 1 |
| LAG3 | -0.1656879 | 0.6295225 | -0.2632 | 0.792 | -0.155222351 | count | 1 |
| ZNF778 | -0.5401754 | 0.6090091 | -0.887 | 0.375 | -0.155094836 | count | 1 |
| RB1 | -0.110817 | 0.0903478 | -1.2266 | 0.22 | -0.154742839 | count | 1 |
| COPB1 | -0.1115682 | 0.1090147 | -1.0234 | 0.306 | -0.154676969 | count | 1 |
| VCP | -0.1119288 | 0.0975068 | -1.1479 | 0.251 | -0.154674606 | count | 1 |
| LRP1 | -0.1097756 | 0.0905182 | -1.2127 | 0.225 | -0.154614172 | count | 1 |
| IQSEC2 | -0.138845 | 0.321772 | -0.4315 | 0.666 | -0.154582048 | count | 1 |
| EMC2 | -0.116482 | 0.1699321 | -0.6855 | 0.493 | -0.154556409 | count | 1 |
| RALGAPB | -0.1672786 | 0.3586358 | -0.4664 | 0.641 | -0.154513451 | count | 1 |
| U62317.5 | -0.1274824 | 0.2669425 | -0.4776 | 0.633 | -0.154252725 | count | 1 |
| TTN-AS1 | -0.1646182 | 0.331336 | -0.4968 | 0.619 | -0.154241622 | count | 1 |
| NCKAP5 | -0.2350237 | 0.33865 | -0.694 | 0.488 | -0.154144055 | count | 1 |
| INO80 | -0.1181686 | 0.1867543 | -0.6327 | 0.527 | -0.154120185 | count | 1 |
| UTP4 | -0.1863314 | 0.4098604 | -0.4546 | 0.649 | -0.154101628 | count | 1 |
| PSMD2 | -0.1115144 | 0.112394 | -0.9922 | 0.321 | -0.154061196 | count | 1 |
| CD300A | -0.109281 | 0.0952011 | -1.1479 | 0.251 | -0.154030862 | count | 1 |
| C11orf49 | -0.1493003 | 0.5186822 | -0.2878 | 0.773 | -0.153991287 | count | 1 |
| TSPAN14 | -0.1142085 | 0.1401032 | -0.8152 | 0.415 | -0.153787115 | count | 1 |
| HIST1H2AC | -0.1400067 | 0.4261808 | -0.3285 | 0.743 | -0.15347127 | count | 1 |
| SRP72 | -0.1087207 | 0.0829711 | -1.3103 | 0.19 | -0.153430661 | count | 1 |
| CD52 | -0.1068382 | 0.0908416 | -1.1761 | 0.24 | -0.153364511 | count | 1 |
| CBWD1 | -0.1152015 | 0.1976944 | -0.5827 | 0.56 | -0.153313225 | count | 1 |
| MRPS16 | -0.1107791 | 0.1193015 | -0.9286 | 0.353 | -0.153088564 | count | 1 |
| NAMPT | -0.1065117 | 0.0461626 | -2.3073 | 0.0211 | -0.153080016 | count | 1 |
| ACTR2 | -0.1068355 | 0.0462586 | -2.3095 | 0.021 | -0.15264833 | count | 1 |
| DNAJB9 | -0.1125055 | 0.1180937 | -0.9527 | 0.341 | -0.152453672 | count | 1 |
| UBE2M | -0.1075067 | 0.0801516 | -1.3413 | 0.18 | -0.152325727 | count | 1 |
| EIF5A2 | -0.1991126 | 0.4716592 | -0.4222 | 0.673 | -0.152142436 | count | 1 |
| AL163051.1 | -0.5273375 | 0.5701648 | -0.9249 | 0.355 | -0.151994059 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|---------|--------------|-------|---|
| MYOF | -0.1140386 | 0.1973448 | -0.5779 | 0.563 | -0.15198225 | count | 1 |
| SURF4 | -0.1117835 | 0.1378639 | -0.8108 | 0.418 | -0.151969835 | count | 1 |
| LRCH1 | -0.1439421 | 0.382493 | -0.3763 | 0.707 | -0.151962485 | count | 1 |
| STRN | -0.1228279 | 0.2236859 | -0.5491 | 0.583 | -0.151903956 | count | 1 |
| FAM177A1 | -0.1089016 | 0.1064481 | -1.023 | 0.306 | -0.151888934 | count | 1 |
| HLA-DRB1 | -0.1052337 | 0.0482625 | -2.1804 | 0.0293 | -0.151770546 | count | 1 |
| THAP9 | -1.1697709 | 0.7334864 | -1.5948 | 0.111 | -0.151631428 | count | 1 |
| RPA3 | -0.1101177 | 0.1343932 | -0.8194 | 0.413 | -0.151499831 | count | 1 |
| TTC38 | -0.1615649 | 0.4694846 | -0.3441 | 0.731 | -0.151440685 | count | 1 |
| PHKG1 | -0.1395424 | 0.2932382 | -0.4759 | 0.634 | -0.151239531 | count | 1 |
| IPO9 | -0.1612737 | 0.3453465 | -0.467 | 0.641 | -0.151173431 | count | 1 |
| PCLAF | -0.2041804 | 0.4858474 | -0.4203 | 0.674 | -0.151137002 | count | 1 |
| SRP14 | -0.1050878 | 0.0334888 | -3.138 | 0.00172 | -0.151106611 | count | 1 |
| MINK1 | -0.1588011 | 0.3760103 | -0.4223 | 0.673 | -0.150858266 | count | 1 |
| LEPROT | -0.1062667 | 0.0723727 | -1.4683 | 0.142 | -0.150822444 | count | 1 |
| PAK1IP1 | -0.1158706 | 0.196804 | -0.5888 | 0.556 | -0.150793758 | count | 1 |
| HAUS1 | -0.1154301 | 0.180605 | -0.6391 | 0.523 | -0.150782118 | count | 1 |
| NUBP1 | -0.11006 | 0.1193897 | -0.9219 | 0.357 | -0.150713647 | count | 1 |
| LAMP1 | -0.1059856 | 0.0682838 | -1.5521 | 0.121 | -0.150650083 | count | 1 |
| LINC00667 | -0.1122691 | 0.2002754 | -0.5606 | 0.575 | -0.150278148 | count | 1 |
| LSM3 | -0.1060288 | 0.0754997 | -1.4044 | 0.16 | -0.150189803 | count | 1 |
| SPTAN1 | -0.1175748 | 0.2080595 | -0.5651 | 0.572 | -0.1500887 | count | 1 |
| PSMA3 | -0.1065266 | 0.0815689 | -1.306 | 0.192 | -0.150079667 | count | 1 |
| ISG20L2 | -0.1111509 | 0.1603779 | -0.6931 | 0.488 | -0.150078779 | count | 1 |
| MSX1 | -0.519201 | 0.8914363 | -0.5824 | 0.56 | -0.150014653 | count | 1 |
| TRAC | -0.519201 | 0.9626847 | -0.5393 | 0.59 | -0.150014653 | count | 1 |
| R3HCC1 | -0.1183408 | 0.2063923 | -0.5734 | 0.566 | -0.149841251 | count | 1 |
| EFCAB13 | -0.1853342 | 0.5147598 | -0.36 | 0.719 | -0.149754007 | count | 1 |
| H2AFJ | -0.1050923 | 0.0776558 | -1.3533 | 0.176 | -0.149669383 | count | 1 |
| PARP3 | -0.2538777 | 0.5144047 | -0.4935 | 0.622 | -0.149532559 | count | 1 |
| GMIP | -0.1205252 | 0.2058924 | -0.5854 | 0.558 | -0.149327775 | count | 1 |
| MIS12 | -0.1516847 | 0.3178693 | -0.4772 | 0.633 | -0.149315566 | count | 1 |
| LZTFL1 | -0.1569825 | 0.3909255 | -0.4016 | 0.688 | -0.149164828 | count | 1 |
| ZNF880 | -0.1195763 | 0.2747583 | -0.4352 | 0.663 | -0.149116101 | count | 1 |
| RASAL2 | -0.125879 | 0.2722142 | -0.4624 | 0.644 | -0.148898539 | count | 1 |
| AC015982.1 | -0.2926817 | 0.6363065 | -0.46 | 0.646 | -0.148809203 | count | 1 |
| KCNAB2 | -0.1100823 | 0.149499 | -0.7363 | 0.462 | -0.14859207 | count | 1 |
| EIF4A1 | -0.1051513 | 0.0766146 | -1.3725 | 0.17 | -0.148418455 | count | 1 |
| KREMEN1 | -0.1561429 | 0.499308 | -0.3127 | 0.755 | -0.148382737 | count | 1 |
| C12orf65 | -0.1269534 | 0.3038124 | -0.4179 | 0.676 | -0.148347192 | count | 1 |
| HNRNPM | -0.1047903 | 0.0710751 | -1.4744 | 0.141 | -0.148217428 | count | 1 |
| TRIM66 | -0.1833383 | 0.5631112 | -0.3256 | 0.745 | -0.148189392 | count | 1 |
| EPST11 | -0.1046347 | 0.091266 | -1.1465 | 0.252 | -0.148075608 | count | 1 |
| CRYAB | -0.1935974 | 0.8131395 | -0.2381 | 0.812 | -0.148070392 | count | 1 |
| TWF2 | -0.1040916 | 0.0730841 | -1.4243 | 0.154 | -0.147893389 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|--------|--------------|-------|---|
| MCRIP1 | -0.1059793 | 0.1198925 | -0.884 | 0.377 | -0.147743661 | count | 1 |
| ARFIP2 | -0.1338701 | 0.27645 | -0.4842 | 0.628 | -0.147610523 | count | 1 |
| NINJ1 | -0.1029597 | 0.0598219 | -1.7211 | 0.0854 | -0.147598115 | count | 1 |
| DHCR7 | -0.1825463 | 0.4868659 | -0.3749 | 0.708 | -0.147568233 | count | 1 |
| AC239798.2 | -0.6786178 | 1.1283119 | -0.6014 | 0.548 | -0.147331055 | count | 1 |
| AC108047.1 | -0.6786178 | 1.0975105 | -0.6183 | 0.536 | -0.147331055 | count | 1 |
| AC009950.1 | -0.6786178 | 1.0975105 | -0.6183 | 0.536 | -0.147331055 | count | 1 |
| AC011899.3 | -0.6786178 | 1.2958427 | -0.5237 | 0.601 | -0.147331055 | count | 1 |
| AC016394.1 | -0.6786178 | 1.0975105 | -0.6183 | 0.536 | -0.147331055 | count | 1 |
| ENTPD7 | -0.6786178 | 1.0975105 | -0.6183 | 0.536 | -0.147331055 | count | 1 |
| AC025580.2 | -0.6786178 | 1.0975105 | -0.6183 | 0.536 | -0.147331055 | count | 1 |
| AC099524.1 | -0.6786178 | 1.0975105 | -0.6183 | 0.536 | -0.147331055 | count | 1 |
| SNX25 | -0.4161575 | 0.7132723 | -0.5834 | 0.56 | -0.147308819 | count | 1 |
| ELK4 | -0.1241317 | 0.2231813 | -0.5562 | 0.578 | -0.147262813 | count | 1 |
| FH | -0.1161442 | 0.1830738 | -0.6344 | 0.526 | -0.147254498 | count | 1 |
| KPNA1 | -0.1159429 | 0.192023 | -0.6038 | 0.546 | -0.147177157 | count | 1 |
| ATP5ME | -0.1036102 | 0.0663987 | -1.5604 | 0.119 | -0.147155914 | count | 1 |
| MFSD12 | -0.1057019 | 0.1119007 | -0.9446 | 0.345 | -0.146978599 | count | 1 |
| GMCL1 | -0.1310888 | 0.2833874 | -0.4626 | 0.644 | -0.146738105 | count | 1 |
| GHRL | -0.2346353 | 0.5025484 | -0.4669 | 0.641 | -0.146639977 | count | 1 |
| ZBTB17 | -0.1472264 | 0.3191486 | -0.4613 | 0.645 | -0.146501603 | count | 1 |
| AC073957.3 | -0.5042471 | 0.7909641 | -0.6375 | 0.524 | -0.146347959 | count | 1 |
| AP001257.1 | -0.5042471 | 1.1293358 | -0.4465 | 0.655 | -0.146347959 | count | 1 |
| PSMC3IP | -0.5042471 | 0.7099183 | -0.7103 | 0.478 | -0.146347959 | count | 1 |
| ETS1 | -0.1971808 | 0.8786778 | -0.2244 | 0.822 | -0.146140031 | count | 1 |
| BRI3BP | -0.1112219 | 0.163813 | -0.679 | 0.497 | -0.145808835 | count | 1 |
| CARS | -0.1212843 | 0.2936404 | -0.413 | 0.68 | -0.145786802 | count | 1 |
| PRKAG1 | -0.1158734 | 0.1819801 | -0.6367 | 0.524 | -0.145785473 | count | 1 |
| TMEM176B | -0.1015844 | 0.0684683 | -1.4837 | 0.138 | -0.145551464 | count | 1 |
| RNH1 | -0.1016558 | 0.0467667 | -2.1737 | 0.0298 | -0.145482271 | count | 1 |
| EIF6 | -0.1029377 | 0.0826798 | -1.245 | 0.213 | -0.145361016 | count | 1 |
| CLOCK | -0.1192684 | 0.2979929 | -0.4002 | 0.689 | -0.145319224 | count | 1 |
| PLS1 | -1.087759 | 0.6464321 | -1.6827 | 0.0926 | -0.144895513 | count | 1 |
| LMBR1L | -0.1154577 | 0.1802079 | -0.6407 | 0.522 | -0.14486256 | count | 1 |
| FGFR1OP2 | -0.1041711 | 0.1052673 | -0.9896 | 0.322 | -0.144809692 | count | 1 |
| MFSD10 | -0.1035725 | 0.1254034 | -0.8259 | 0.409 | -0.144726739 | count | 1 |
| AL133264.2 | -0.6627556 | 0.8414392 | -0.7876 | 0.431 | -0.144614204 | count | 1 |
| AC090559.1 | -0.6627556 | 0.8414392 | -0.7876 | 0.431 | -0.144614204 | count | 1 |
| C16orf89 | -0.6627556 | 0.8414392 | -0.7876 | 0.431 | -0.144614204 | count | 1 |
| AC008764.6 | -0.6627556 | 1.0045702 | -0.6597 | 0.509 | -0.144614204 | count | 1 |
| ZNF682 | -0.6627556 | 0.8414392 | -0.7876 | 0.431 | -0.144614204 | count | 1 |
| UBA6-AS1 | -0.4957279 | 0.8111603 | -0.6111 | 0.541 | -0.144242336 | count | 1 |
| NEFH | -0.2821298 | 0.504191 | -0.5596 | 0.576 | -0.143809164 | count | 1 |
| AL024508.2 | -0.6572003 | 0.9105502 | -0.7218 | 0.471 | -0.143655099 | count | 1 |
| ZNF486 | -0.6572003 | 0.7382075 | -0.8903 | 0.373 | -0.143655099 | count | 1 |

| | | | | | | | |
|-------------|------------|-----------|---------|-------|--------------|-------|---|
| UBR7 | -0.1379862 | 0.3043139 | -0.4534 | 0.65 | -0.143624348 | count | 1 |
| CREB3L2 | -0.1109436 | 0.2186543 | -0.5074 | 0.612 | -0.143588436 | count | 1 |
| PSMB7 | -0.1026256 | 0.090456 | -1.1345 | 0.257 | -0.143509297 | count | 1 |
| CDC34 | -0.1068528 | 0.1560967 | -0.6845 | 0.494 | -0.143163916 | count | 1 |
| MMP2-AS1 | -0.1504559 | 0.4621575 | -0.3256 | 0.745 | -0.143080651 | count | 1 |
| HSD17B10 | -0.1046015 | 0.1188532 | -0.8801 | 0.379 | -0.143020418 | count | 1 |
| POLDIP2 | -0.1112039 | 0.210037 | -0.5294 | 0.597 | -0.143012351 | count | 1 |
| SAP30L | -0.116003 | 0.2923052 | -0.3969 | 0.692 | -0.143011833 | count | 1 |
| DDX52 | -0.1111558 | 0.1856901 | -0.5986 | 0.549 | -0.142950768 | count | 1 |
| DDX56 | -0.1130022 | 0.2681318 | -0.4214 | 0.673 | -0.1429378 | count | 1 |
| AP1S3 | -0.1686052 | 1.0626595 | -0.1587 | 0.874 | -0.14286635 | count | 1 |
| SLC29A3 | -0.1301834 | 0.2805707 | -0.464 | 0.643 | -0.142827169 | count | 1 |
| MAP3K6 | -0.4008214 | 0.4570061 | -0.8771 | 0.381 | -0.142494743 | count | 1 |
| ALG6 | -0.1430927 | 0.3579001 | -0.3998 | 0.689 | -0.142455484 | count | 1 |
| HDGFL2 | -0.1084797 | 0.2387568 | -0.4544 | 0.65 | -0.142413855 | count | 1 |
| FBXO5 | -0.1919161 | 0.469655 | -0.4086 | 0.683 | -0.142372721 | count | 1 |
| CINP | -0.1052831 | 0.1683476 | -0.6254 | 0.532 | -0.1423094 | count | 1 |
| TBCB | -0.1005132 | 0.0744735 | -1.3496 | 0.177 | -0.142155893 | count | 1 |
| TMEM14B | -0.0999515 | 0.0696861 | -1.4343 | 0.152 | -0.142031181 | count | 1 |
| NRSN2-AS1 | -0.3992359 | 0.8916878 | -0.4477 | 0.654 | -0.141994407 | count | 1 |
| KTN1 | -0.1000787 | 0.0670743 | -1.4921 | 0.136 | -0.141932274 | count | 1 |
| PGAP1 | -0.3056787 | 0.6617473 | -0.4619 | 0.644 | -0.141812512 | count | 1 |
| PRMT2 | -0.1009475 | 0.1058309 | -0.9539 | 0.34 | -0.141679139 | count | 1 |
| UQCRQ | -0.0994724 | 0.0625309 | -1.5908 | 0.112 | -0.141674576 | count | 1 |
| SNRPA1 | -0.104203 | 0.1388228 | -0.7506 | 0.453 | -0.141650484 | count | 1 |
| NUDT8 | -0.1671046 | 0.4351742 | -0.384 | 0.701 | -0.141627154 | count | 1 |
| KCNC4 | -0.397491 | 0.8451837 | -0.4703 | 0.638 | -0.141443189 | count | 1 |
| GPR89B | -0.397491 | 0.853321 | -0.4658 | 0.641 | -0.141443189 | count | 1 |
| TMEM177 | -0.397491 | 1.0867763 | -0.3658 | 0.715 | -0.141443189 | count | 1 |
| TSTD3 | -0.397491 | 0.853321 | -0.4658 | 0.641 | -0.141443189 | count | 1 |
| AC025259.3 | -0.397491 | 0.853321 | -0.4658 | 0.641 | -0.141443189 | count | 1 |
| AC005523.2 | -0.2257381 | 0.3831864 | -0.5891 | 0.556 | -0.141343186 | count | 1 |
| TRAPPC3 | -0.1014002 | 0.1217027 | -0.8332 | 0.405 | -0.141167005 | count | 1 |
| TSEN15 | -0.1176984 | 0.2736974 | -0.43 | 0.667 | -0.141161668 | count | 1 |
| BECN1 | -0.1047096 | 0.1499247 | -0.6984 | 0.485 | -0.141029147 | count | 1 |
| MSRA | -0.1032072 | 0.1299777 | -0.794 | 0.427 | -0.140841867 | count | 1 |
| AC118553.2 | -1.04024 | 1.0542749 | -0.9867 | 0.324 | -0.140773946 | count | 1 |
| AC109454.2 | -1.04024 | 1.0542749 | -0.9867 | 0.324 | -0.140773946 | count | 1 |
| SEPT7-AS1 | -1.04024 | 1.0542749 | -0.9867 | 0.324 | -0.140773946 | count | 1 |
| ABCB1 | -1.04024 | 1.2426744 | -0.8371 | 0.403 | -0.140773946 | count | 1 |
| PNMA5 | -1.04024 | 1.0542749 | -0.9867 | 0.324 | -0.140773946 | count | 1 |
| THRIL | -1.04024 | 1.0542749 | -0.9867 | 0.324 | -0.140773946 | count | 1 |
| CCDC168 | -1.04024 | 1.1398628 | -0.9126 | 0.362 | -0.140773946 | count | 1 |
| ZNF594 | -1.04024 | 1.0542749 | -0.9867 | 0.324 | -0.140773946 | count | 1 |
| MIR4435-2HG | -0.1077198 | 0.2053183 | -0.5246 | 0.6 | -0.140748078 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|-------|--------------|-------|---|
| LRBA | -0.196191 | 0.4353497 | -0.4507 | 0.652 | -0.140555258 | count | 1 |
| PDCD10 | -0.100584 | 0.092788 | -1.084 | 0.278 | -0.140359734 | count | 1 |
| HDHD5 | -0.1087263 | 0.1850611 | -0.5875 | 0.557 | -0.140233317 | count | 1 |
| PRR11 | -0.1618151 | 0.3920107 | -0.4128 | 0.68 | -0.139999957 | count | 1 |
| GTPBP4 | -0.1043175 | 0.1564476 | -0.6668 | 0.505 | -0.139831661 | count | 1 |
| TENT4B | -0.110149 | 0.1831597 | -0.6014 | 0.548 | -0.139520203 | count | 1 |
| SLC52A2 | -0.1043216 | 0.1605827 | -0.6496 | 0.516 | -0.139437288 | count | 1 |
| DUS4L | -0.1644105 | 0.4448225 | -0.3696 | 0.712 | -0.139400856 | count | 1 |
| DYNC2LI1 | -0.1642567 | 0.4117746 | -0.3989 | 0.69 | -0.139273704 | count | 1 |
| OXCT2 | -0.2995834 | 0.7141781 | -0.4195 | 0.675 | -0.139198457 | count | 1 |
| TXNL4A | -0.0983147 | 0.0767351 | -1.2812 | 0.2 | -0.139163906 | count | 1 |
| SOD2 | -0.0971678 | 0.0614439 | -1.5814 | 0.114 | -0.139097399 | count | 1 |
| CAPRIN1 | -0.1020207 | 0.1483733 | -0.6876 | 0.492 | -0.139033221 | count | 1 |
| BUD31 | -0.0995554 | 0.104445 | -0.9532 | 0.341 | -0.138970583 | count | 1 |
| TIMM17A | -0.1010883 | 0.1278492 | -0.7907 | 0.429 | -0.138911751 | count | 1 |
| LDLRAD3 | -0.2511285 | 0.4894709 | -0.5131 | 0.608 | -0.138886932 | count | 1 |
| SPNS1 | -0.1030964 | 0.1473064 | -0.6999 | 0.484 | -0.138861842 | count | 1 |
| ATG3 | -0.0977363 | 0.0617863 | -1.5818 | 0.114 | -0.138839982 | count | 1 |
| GTF2A1 | -0.1085953 | 0.2056096 | -0.5282 | 0.597 | -0.138827583 | count | 1 |
| MIRLET7BHG | -0.2339408 | 0.7542167 | -0.3102 | 0.756 | -0.138393116 | count | 1 |
| PHC1 | -0.1630585 | 0.415961 | -0.392 | 0.695 | -0.138282891 | count | 1 |
| UBE2E3 | -0.0985525 | 0.0995082 | -0.9904 | 0.322 | -0.138235064 | count | 1 |
| GLG1 | -0.1027866 | 0.1486808 | -0.6913 | 0.489 | -0.138100609 | count | 1 |
| SLC22A16 | -0.1564689 | 0.4708994 | -0.3323 | 0.74 | -0.137987668 | count | 1 |
| PIP5K1A | -0.1263967 | 0.2960767 | -0.4269 | 0.669 | -0.137951412 | count | 1 |
| GOLGA2 | -0.1008941 | 0.1615715 | -0.6245 | 0.532 | -0.13793209 | count | 1 |
| CENPH | -0.1593459 | 0.4747581 | -0.3356 | 0.737 | -0.137913799 | count | 1 |
| GPS1 | -0.1078785 | 0.1867577 | -0.5776 | 0.564 | -0.137767388 | count | 1 |
| CCZ1B | -0.2085874 | 0.3449452 | -0.6047 | 0.545 | -0.137536618 | count | 1 |
| MYPOP | -0.1481555 | 0.3279422 | -0.4518 | 0.651 | -0.137196511 | count | 1 |
| SUMF2 | -0.1012951 | 0.1401712 | -0.7227 | 0.47 | -0.1371784 | count | 1 |
| ERC1 | -0.1068867 | 0.2227892 | -0.4798 | 0.631 | -0.137078537 | count | 1 |
| TRMT10C | -0.0990787 | 0.1201097 | -0.8249 | 0.41 | -0.13705232 | count | 1 |
| RAMMET | -0.1006219 | 0.1541877 | -0.6526 | 0.514 | -0.13686266 | count | 1 |
| SYN1 | -0.1983744 | 0.6793785 | -0.292 | 0.77 | -0.136767924 | count | 1 |
| ZDHHC9 | -0.1983744 | 0.6911635 | -0.287 | 0.774 | -0.136767924 | count | 1 |
| ATP5MC1 | -0.097111 | 0.0897069 | -1.0825 | 0.279 | -0.136703769 | count | 1 |
| SFR1 | -0.1154841 | 0.2433478 | -0.4746 | 0.635 | -0.136696527 | count | 1 |
| RBM48 | -0.1417965 | 0.4178684 | -0.3393 | 0.734 | -0.136651264 | count | 1 |
| TRAF4 | -0.1200325 | 0.3169874 | -0.3787 | 0.705 | -0.136274466 | count | 1 |
| TMEM120A | -0.1024419 | 0.1581322 | -0.6478 | 0.517 | -0.135773201 | count | 1 |
| SLC9B1 | -0.3790662 | 1.0538974 | -0.3597 | 0.719 | -0.13558603 | count | 1 |
| AC109347.1 | -0.3790662 | 1.9962709 | -0.1899 | 0.849 | -0.13558603 | count | 1 |
| USP27X-AS1 | -0.3790662 | 1.1781752 | -0.3217 | 0.748 | -0.13558603 | count | 1 |
| SCARA3 | -0.3790662 | 1.9962709 | -0.1899 | 0.849 | -0.13558603 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|----------|--------------|-------|---|
| RND1 | -0.3790662 | 1.429447 | -0.2652 | 0.791 | -0.13558603 | count | 1 |
| AC027319.1 | -0.3790662 | 1.2200511 | -0.3107 | 0.756 | -0.13558603 | count | 1 |
| FAM3B | -0.3790662 | 1.0538974 | -0.3597 | 0.719 | -0.13558603 | count | 1 |
| GNAS | -0.0941819 | 0.0315094 | -2.989 | 0.00283 | -0.135503439 | count | 1 |
| ORAOV1 | -0.1320566 | 0.3775012 | -0.3498 | 0.727 | -0.135322852 | count | 1 |
| PTDSS2 | -0.2152998 | 0.4124652 | -0.522 | 0.602 | -0.135101848 | count | 1 |
| RAB3GAP2 | -0.1153824 | 0.25621 | -0.4503 | 0.653 | -0.134934995 | count | 1 |
| REPIN1 | -0.1149338 | 0.2607462 | -0.4408 | 0.659 | -0.134840057 | count | 1 |
| DGKE | -0.1156231 | 0.3194594 | -0.3619 | 0.717 | -0.13477418 | count | 1 |
| IFNLR1 | -0.3247558 | 1.4367243 | -0.226 | 0.821 | -0.134702159 | count | 1 |
| IGFBP3 | -0.3247558 | 0.9144356 | -0.3551 | 0.723 | -0.134702159 | count | 1 |
| BEX2 | -0.3247558 | 1.0120595 | -0.3209 | 0.748 | -0.134702159 | count | 1 |
| AC011043.1 | -0.3247558 | 0.9034833 | -0.3594 | 0.719 | -0.134702159 | count | 1 |
| PRPF40A | -0.0951605 | 0.0813029 | -1.1704 | 0.242 | -0.134609966 | count | 1 |
| DEDD | -0.1115362 | 0.2561214 | -0.4355 | 0.663 | -0.13446867 | count | 1 |
| HTT | -0.1058823 | 0.2326719 | -0.4551 | 0.649 | -0.134465778 | count | 1 |
| DOLPP1 | -0.3750385 | 0.6188214 | -0.6061 | 0.545 | -0.134296698 | count | 1 |
| ZNF720 | -0.1187277 | 0.2906739 | -0.4085 | 0.683 | -0.134235162 | count | 1 |
| PLXNC1 | -0.1072475 | 0.1707941 | -0.6279 | 0.53 | -0.134226437 | count | 1 |
| CDK5 | -0.1051157 | 0.2452695 | -0.4286 | 0.668 | -0.134108211 | count | 1 |
| C19orf54 | -0.1469207 | 0.4170234 | -0.3523 | 0.725 | -0.134075923 | count | 1 |
| CYCS | -0.0936141 | 0.0783786 | -1.1944 | 0.232 | -0.133934773 | count | 1 |
| PPP1R18 | -0.0949659 | 0.0846121 | -1.1224 | 0.262 | -0.133733019 | count | 1 |
| MCAM | -0.9584358 | 1.2057457 | -0.7949 | 0.427 | -0.133285023 | count | 1 |
| PRDX6 | -0.0937103 | 0.0655907 | -1.4287 | 0.153 | -0.133078774 | count | 1 |
| TIMM23 | -0.1114602 | 0.2369372 | -0.4704 | 0.638 | -0.1330527 | count | 1 |
| HSPB11 | -0.0961008 | 0.1232121 | -0.78 | 0.435 | -0.132816431 | count | 1 |
| NXN | -0.9527278 | 0.8521011 | -1.1181 | 0.264 | -0.132743332 | count | 1 |
| NOL7 | -0.0932279 | 0.0701869 | -1.3283 | 0.184 | -0.132633303 | count | 1 |
| SQSTM1 | -0.0924847 | 0.0570958 | -1.6198 | 0.105 | -0.132590665 | count | 1 |
| MRPS34 | -0.0936679 | 0.0874199 | -1.0715 | 0.284 | -0.132562316 | count | 1 |
| NDFIP1 | -0.0940781 | 0.0776619 | -1.2114 | 0.226 | -0.132550368 | count | 1 |
| UTP14A | -0.1144685 | 0.2711959 | -0.4221 | 0.673 | -0.132530646 | count | 1 |
| RANBP10 | -0.2108966 | 0.4684165 | -0.4502 | 0.653 | -0.132460315 | count | 1 |
| DARS | -0.0975971 | 0.1288872 | -0.7572 | 0.449 | -0.131943742 | count | 1 |
| FN3KRP | -0.1061341 | 0.2475937 | -0.4287 | 0.668 | -0.13159537 | count | 1 |
| RPL15 | -0.0913192 | 0.0245759 | -3.7158 | 0.000207 | -0.131520882 | count | 1 |
| CLIC2 | -0.1162789 | 0.1937848 | -0.6 | 0.549 | -0.131491996 | count | 1 |
| RFTN1 | -0.1242882 | 0.2784867 | -0.4463 | 0.655 | -0.131467321 | count | 1 |
| CFL1 | -0.0912733 | 0.0281805 | -3.2389 | 0.00122 | -0.131353746 | count | 1 |
| URI1 | -0.0969644 | 0.1520725 | -0.6376 | 0.524 | -0.131326306 | count | 1 |
| PNP | -0.0942599 | 0.1107348 | -0.8512 | 0.395 | -0.131298298 | count | 1 |
| NSMCE2 | -0.0986987 | 0.1557157 | -0.6338 | 0.526 | -0.131094484 | count | 1 |
| COX6C | -0.0916539 | 0.0519324 | -1.7649 | 0.0777 | -0.131041692 | count | 1 |
| ANXA4 | -0.0936525 | 0.1046831 | -0.8946 | 0.371 | -0.130974704 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|--------|--------------|-------|---|
| AGAP5 | -0.5856951 | 0.7252447 | -0.8076 | 0.419 | -0.130953164 | count | 1 |
| GTF3C4 | -0.1357488 | 0.4306811 | -0.3152 | 0.753 | -0.130919329 | count | 1 |
| CBARP | -0.3143545 | 0.7681402 | -0.4092 | 0.682 | -0.130746814 | count | 1 |
| PPP1R26 | -0.363402 | 0.639538 | -0.5682 | 0.57 | -0.130553576 | count | 1 |
| ZSCAN21 | -0.2076815 | 0.6436459 | -0.3227 | 0.747 | -0.130528259 | count | 1 |
| DENND2D | -0.1103394 | 0.2553236 | -0.4322 | 0.666 | -0.130274356 | count | 1 |
| MECR | -0.1270167 | 0.3700645 | -0.3432 | 0.731 | -0.130227898 | count | 1 |
| TRMT44 | -0.312983 | 0.4977623 | -0.6288 | 0.53 | -0.130223497 | count | 1 |
| MAPK1IP1L | -0.0932843 | 0.1002888 | -0.9302 | 0.352 | -0.129998697 | count | 1 |
| DEGS1 | -0.0931575 | 0.0954823 | -0.9757 | 0.329 | -0.129997473 | count | 1 |
| VPS25 | -0.0956636 | 0.1427438 | -0.6702 | 0.503 | -0.129788895 | count | 1 |
| CREM | -0.0911269 | 0.0777542 | -1.172 | 0.241 | -0.129720126 | count | 1 |
| BCAM | -0.5778824 | 0.675503 | -0.8555 | 0.392 | -0.129524729 | count | 1 |
| NT5C | -0.0930858 | 0.1142851 | -0.8145 | 0.415 | -0.129470181 | count | 1 |
| KIAA1958 | -0.2181029 | 0.6543584 | -0.3333 | 0.739 | -0.129469277 | count | 1 |
| AHDC1 | -0.3108316 | 0.5048486 | -0.6157 | 0.538 | -0.129401751 | count | 1 |
| TSHZ3 | -0.1556932 | 0.3236124 | -0.4811 | 0.63 | -0.129383151 | count | 1 |
| C1D | -0.093277 | 0.1014126 | -0.9198 | 0.358 | -0.129261666 | count | 1 |
| CHCHD2 | -0.0900014 | 0.0382335 | -2.354 | 0.0187 | -0.129252497 | count | 1 |
| LINC01970 | -0.3103741 | 0.5276563 | -0.5882 | 0.556 | -0.129226878 | count | 1 |
| ARF4 | -0.0913901 | 0.0846706 | -1.0794 | 0.281 | -0.129196863 | count | 1 |
| ANKLE2 | -0.0955522 | 0.1735518 | -0.5506 | 0.582 | -0.129104892 | count | 1 |
| PPP4R2 | -0.0932063 | 0.1231052 | -0.7571 | 0.449 | -0.128973634 | count | 1 |
| GABARAP | -0.1032469 | 0.1957312 | -0.5275 | 0.598 | -0.128857007 | count | 1 |
| SSBP1 | -0.0904318 | 0.0618808 | -1.4614 | 0.144 | -0.128788202 | count | 1 |
| TIMM13 | -0.0914217 | 0.0891698 | -1.0253 | 0.305 | -0.128655507 | count | 1 |
| RAB10 | -0.090684 | 0.0735374 | -1.2332 | 0.218 | -0.128457556 | count | 1 |
| ZFP14 | -0.1314806 | 0.3032276 | -0.4336 | 0.665 | -0.128333691 | count | 1 |
| BANP | -0.101606 | 0.2532721 | -0.4012 | 0.688 | -0.128260519 | count | 1 |
| RAB1A | -0.0913166 | 0.0881013 | -1.0365 | 0.3 | -0.128065192 | count | 1 |
| FP565260.1 | -0.4316682 | 0.6006971 | -0.7186 | 0.472 | -0.128017011 | count | 1 |
| BEND5 | -0.4315999 | 0.8733869 | -0.4942 | 0.621 | -0.127999343 | count | 1 |
| LINC01560 | -0.4315999 | 0.8733869 | -0.4942 | 0.621 | -0.127999343 | count | 1 |
| AC142472.1 | -0.4315999 | 0.8739748 | -0.4938 | 0.621 | -0.127999343 | count | 1 |
| UNKL | -0.2302628 | 0.4132604 | -0.5572 | 0.577 | -0.127953273 | count | 1 |
| EML3 | -0.1534072 | 0.3937399 | -0.3896 | 0.697 | -0.127528761 | count | 1 |
| POLR3D | -0.108986 | 0.2621623 | -0.4157 | 0.678 | -0.127511079 | count | 1 |
| ATMIN | -0.1095378 | 0.2708376 | -0.4044 | 0.686 | -0.127307384 | count | 1 |
| ASF1A | -0.0999063 | 0.2143606 | -0.4661 | 0.641 | -0.127204807 | count | 1 |
| CLSTN1 | -0.1093693 | 0.2449186 | -0.4466 | 0.655 | -0.127113071 | count | 1 |
| DAPK1 | -0.0984058 | 0.1882496 | -0.5227 | 0.601 | -0.12708753 | count | 1 |
| NELFCD | -0.0980535 | 0.2275062 | -0.431 | 0.667 | -0.127074522 | count | 1 |
| TTLL4 | -0.1350501 | 0.4579026 | -0.2949 | 0.768 | -0.127019123 | count | 1 |
| TNFRSF12A | -0.0940196 | 0.1582251 | -0.5942 | 0.552 | -0.126958112 | count | 1 |
| XRR1A | -0.1332066 | 0.4215922 | -0.316 | 0.752 | -0.126949982 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|----------|--------------|-------|---|
| SLC31A1 | -0.0935669 | 0.1548338 | -0.6043 | 0.546 | -0.126879428 | count | 1 |
| ARAP3 | -0.427194 | 0.739719 | -0.5775 | 0.564 | -0.126857714 | count | 1 |
| HAUS7 | -0.2710026 | 0.6339845 | -0.4275 | 0.669 | -0.126824341 | count | 1 |
| P3H2 | -0.1601908 | 0.3230609 | -0.4959 | 0.62 | -0.126704899 | count | 1 |
| SMIM15 | -0.091572 | 0.1415747 | -0.6468 | 0.518 | -0.126633439 | count | 1 |
| CLYBL | -0.2011079 | 0.7273131 | -0.2765 | 0.782 | -0.126569382 | count | 1 |
| KIAA0895L | -0.5603454 | 0.6980625 | -0.8027 | 0.422 | -0.126288813 | count | 1 |
| CIPC | -0.1381784 | 0.3524541 | -0.392 | 0.695 | -0.126246331 | count | 1 |
| TRIM62 | -0.5564266 | 0.8461405 | -0.6576 | 0.511 | -0.125560105 | count | 1 |
| AC004520.1 | -0.5564266 | 1.0110891 | -0.5503 | 0.582 | -0.125560105 | count | 1 |
| HDAC3 | -0.0937243 | 0.1510747 | -0.6204 | 0.535 | -0.125465119 | count | 1 |
| PTN | -0.2438394 | 1.5006961 | -0.1625 | 0.871 | -0.125433316 | count | 1 |
| RAB40C | -0.1682492 | 0.5800122 | -0.2901 | 0.772 | -0.125343576 | count | 1 |
| TOMM40 | -0.0912749 | 0.1614591 | -0.5653 | 0.572 | -0.125224161 | count | 1 |
| LYSMD2 | -0.0892629 | 0.1000761 | -0.892 | 0.373 | -0.124850677 | count | 1 |
| WBP1L | -0.1056895 | 0.2241414 | -0.4715 | 0.637 | -0.124822811 | count | 1 |
| DCP1A | -0.0959844 | 0.2066118 | -0.4646 | 0.642 | -0.124808443 | count | 1 |
| DHRS1 | -0.0957894 | 0.2331152 | -0.4109 | 0.681 | -0.124749637 | count | 1 |
| HARS2 | -0.2986764 | 0.516833 | -0.5779 | 0.563 | -0.124739904 | count | 1 |
| BUB1 | -0.8713056 | 1.1511046 | -0.7569 | 0.449 | -0.124734813 | count | 1 |
| KCNMB3 | -0.8713056 | 1.1511046 | -0.7569 | 0.449 | -0.124734813 | count | 1 |
| RAD9B | -0.8713056 | 1.4123739 | -0.6169 | 0.537 | -0.124734813 | count | 1 |
| ARHGAP11B | -0.8713056 | 1.1511046 | -0.7569 | 0.449 | -0.124734813 | count | 1 |
| ZNF433 | -0.8713056 | 1.1511046 | -0.7569 | 0.449 | -0.124734813 | count | 1 |
| PIN4 | -0.0904808 | 0.1262854 | -0.7165 | 0.474 | -0.124663325 | count | 1 |
| NEDD8 | -0.086987 | 0.0514383 | -1.6911 | 0.0909 | -0.124460828 | count | 1 |
| ZNF614 | -0.1669861 | 0.5493668 | -0.304 | 0.761 | -0.124430447 | count | 1 |
| NCKAP5L | -0.10047 | 0.2003154 | -0.5016 | 0.616 | -0.124398355 | count | 1 |
| DISP1 | -0.1728561 | 0.6489743 | -0.2664 | 0.79 | -0.124373051 | count | 1 |
| ANKAR | -0.1407043 | 0.4151404 | -0.3389 | 0.735 | -0.12436384 | count | 1 |
| ARL6IP1 | -0.0886868 | 0.0879846 | -1.008 | 0.314 | -0.124290777 | count | 1 |
| UNK | -0.1150387 | 0.3681627 | -0.3125 | 0.755 | -0.124211677 | count | 1 |
| UBA5 | -0.1082991 | 0.2701973 | -0.4008 | 0.689 | -0.124059517 | count | 1 |
| AC104695.3 | -0.1873319 | 0.5566124 | -0.3366 | 0.736 | -0.124046414 | count | 1 |
| EXOSC3 | -0.0958324 | 0.1972694 | -0.4858 | 0.627 | -0.123886193 | count | 1 |
| ZFP30 | -0.8623482 | 0.819061 | -1.0528 | 0.293 | -0.123821013 | count | 1 |
| ZNF280B | -0.8623482 | 0.9049316 | -0.9529 | 0.341 | -0.123821013 | count | 1 |
| MTG1 | -0.2405043 | 0.6310063 | -0.3811 | 0.703 | -0.123815591 | count | 1 |
| AC093249.6 | -0.2405043 | 0.605307 | -0.3973 | 0.691 | -0.123815591 | count | 1 |
| PTMA | -0.0858358 | 0.0229437 | -3.7411 | 0.000187 | -0.123744637 | count | 1 |
| GPR85 | -0.8591631 | 0.8995776 | -0.9551 | 0.34 | -0.123494482 | count | 1 |
| PCDH17 | -18.525121 | 2745.083433 | -0.0067 | 0.995 | -0.123488054 | count | 1 |
| ZDBF2 | -18.524312 | 2053.985462 | -0.009 | 0.993 | -0.123488054 | count | 1 |
| ASPN | -18.352372 | 2325.654407 | -0.0079 | 0.994 | -0.123488054 | count | 1 |
| SIGLEC8 | -18.351541 | 2099.172962 | -0.0087 | 0.993 | -0.123488054 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|-------|--------------|-------|---|
| KRT17 | -18.161614 | 1965.489598 | -0.0092 | 0.993 | -0.123488053 | count | 1 |
| HLX-AS1 | -18.142466 | 2438.068072 | -0.0074 | 0.994 | -0.123488053 | count | 1 |
| ZNF215 | -18.142466 | 2438.068072 | -0.0074 | 0.994 | -0.123488053 | count | 1 |
| ALDH1L1 | -18.141339 | 2164.167784 | -0.0084 | 0.993 | -0.123488053 | count | 1 |
| AC104984.3 | -18.092035 | 1649.029008 | -0.011 | 0.991 | -0.123488053 | count | 1 |
| FAM110D | -18.09112 | 3117.481017 | -0.0058 | 0.995 | -0.123488053 | count | 1 |
| GPX8 | -18.09112 | 3117.481017 | -0.0058 | 0.995 | -0.123488053 | count | 1 |
| IGHA2 | -18.087598 | 2697.592818 | -0.0067 | 0.995 | -0.123488053 | count | 1 |
| GALNT4 | -17.973237 | 2194.691266 | -0.0082 | 0.993 | -0.123488053 | count | 1 |
| SLC8A1-AS1 | -17.940974 | 2055.784912 | -0.0087 | 0.993 | -0.123488053 | count | 1 |
| ZNF665 | -17.940974 | 2055.784912 | -0.0087 | 0.993 | -0.123488053 | count | 1 |
| ADGRV1 | -17.906361 | 1557.664006 | -0.0115 | 0.991 | -0.123488053 | count | 1 |
| PIK3CD-AS2 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AL139424.3 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| Z98257.1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AL606760.2 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AL356488.2 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| PGLYRP4 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| KCNT2 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| SOX13 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| DTL | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| SPATA45 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AL513314.2 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| LGALS8-AS1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AC012074.1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AC006369.1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AC019171.1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| ADD2 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| TMEM182 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| LINC01963 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| GRIP2 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| CXCR6 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AC084035.1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AC092953.2 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| NSG1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AC098829.1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AC124016.2 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| NPNT | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| FAT4 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| SPOCK3 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| TRIP13 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| CCNO | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| KCNIP1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AC136604.2 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| HIST1H2AH | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |

| | | | | | | | |
|-------------|------------|-------------|---------|-------|--------------|-------|---|
| C6orf163 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AL353135.1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AL023581.2 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AL355297.3 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AL139393.2 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| TFR2 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| ATP6V1FNB | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AC073320.1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| GHET1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| BMX | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| INE2 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AFF2 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| PRRG3 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| MSC-AS1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AP001330.5 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| ARHGEF39 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| COL27A1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| PPP1R26-AS1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| SLC1A2 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| POU2AF1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| CYP17A1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AC016957.2 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| C12orf42 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| ASCL4 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AC026367.1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AC027290.1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| DNAH10 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| MAB21L1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AC001226.1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AC005480.1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| LINC01550 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| JAG2 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| SCG3 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| THAP10 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| ACAN | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| SRRM2-AS1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AC007216.4 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AC130466.1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AC009090.2 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AC027682.1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| HASPIN | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| MYH3 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| MYH7B | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| BCAS4 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| PLIN4 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |

| | | | | | | | |
|-------------|------------|-------------|---------|-------|--------------|-------|---|
| ADGRL1 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| LIPE | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| NLGN4Y | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| AC253536.6 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| PVALB | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| SLC16A8 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| GRAP2 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| EFCAB6 | -17.899091 | 3114.605105 | -0.0057 | 0.995 | -0.123488053 | count | 1 |
| GCSAM | -17.889086 | 1996.687505 | -0.009 | 0.993 | -0.123488053 | count | 1 |
| CASZ1 | -17.870915 | 1857.103643 | -0.0096 | 0.992 | -0.123488053 | count | 1 |
| LMOD1 | -17.870915 | 1857.103643 | -0.0096 | 0.992 | -0.123488053 | count | 1 |
| CYB561D2 | -17.794111 | 1827.1213 | -0.0097 | 0.992 | -0.123488053 | count | 1 |
| ZNF365 | -17.794111 | 1827.1213 | -0.0097 | 0.992 | -0.123488053 | count | 1 |
| RAD51 | -17.794111 | 1827.1213 | -0.0097 | 0.992 | -0.123488053 | count | 1 |
| RN7SL832P | -17.7737 | 2064.251785 | -0.0086 | 0.993 | -0.123488053 | count | 1 |
| AC005540.1 | -17.7737 | 2064.251785 | -0.0086 | 0.993 | -0.123488053 | count | 1 |
| CACNA1C-AS2 | -17.7737 | 2064.251785 | -0.0086 | 0.993 | -0.123488053 | count | 1 |
| AC008758.4 | -17.7737 | 2064.251785 | -0.0086 | 0.993 | -0.123488053 | count | 1 |
| UNC80 | -17.742531 | 2935.421747 | -0.006 | 0.995 | -0.123488053 | count | 1 |
| SPINK2 | -17.742531 | 2935.421747 | -0.006 | 0.995 | -0.123488053 | count | 1 |
| ITPR3 | -17.742531 | 2935.421747 | -0.006 | 0.995 | -0.123488053 | count | 1 |
| THEMIS | -17.742531 | 2935.421747 | -0.006 | 0.995 | -0.123488053 | count | 1 |
| AL136320.1 | -17.742531 | 2935.421747 | -0.006 | 0.995 | -0.123488053 | count | 1 |
| AC006064.2 | -17.742531 | 2935.421747 | -0.006 | 0.995 | -0.123488053 | count | 1 |
| GZMH | -17.742531 | 2935.421747 | -0.006 | 0.995 | -0.123488053 | count | 1 |
| IGLV3-1 | -17.742531 | 2935.421747 | -0.006 | 0.995 | -0.123488053 | count | 1 |
| AL513550.1 | -17.740777 | 2716.887115 | -0.0065 | 0.995 | -0.123488053 | count | 1 |
| TRIM6 | -17.740777 | 2716.887115 | -0.0065 | 0.995 | -0.123488053 | count | 1 |
| DNM1P35 | -17.740777 | 2716.887115 | -0.0065 | 0.995 | -0.123488053 | count | 1 |
| ADAM32 | -17.670684 | 1594.044523 | -0.0111 | 0.991 | -0.123488052 | count | 1 |
| AL158151.3 | -17.670684 | 1594.044523 | -0.0111 | 0.991 | -0.123488052 | count | 1 |
| AC093827.5 | -17.553023 | 2175.93826 | -0.0081 | 0.994 | -0.123488052 | count | 1 |
| HIST1H2BF | -17.552096 | 2045.655339 | -0.0086 | 0.993 | -0.123488052 | count | 1 |
| AC147651.1 | -17.552096 | 2045.655339 | -0.0086 | 0.993 | -0.123488052 | count | 1 |
| ZNF608 | -17.502184 | 2084.392974 | -0.0084 | 0.993 | -0.123488052 | count | 1 |
| RNF217-AS1 | -17.502184 | 2084.392974 | -0.0084 | 0.993 | -0.123488052 | count | 1 |
| RNFT2 | -17.502184 | 2084.392974 | -0.0084 | 0.993 | -0.123488052 | count | 1 |
| AL137786.1 | -17.502184 | 2084.392974 | -0.0084 | 0.993 | -0.123488052 | count | 1 |
| ARNT2 | -17.502184 | 2084.392974 | -0.0084 | 0.993 | -0.123488052 | count | 1 |
| ZNF23 | -17.502184 | 2084.392974 | -0.0084 | 0.993 | -0.123488052 | count | 1 |
| ZNF556 | -17.502184 | 2084.392974 | -0.0084 | 0.993 | -0.123488052 | count | 1 |
| AC007663.3 | -17.502184 | 2084.392974 | -0.0084 | 0.993 | -0.123488052 | count | 1 |
| RAVER2 | -17.500989 | 1868.169847 | -0.0094 | 0.993 | -0.123488052 | count | 1 |
| AC135507.1 | -17.500989 | 1868.169847 | -0.0094 | 0.993 | -0.123488052 | count | 1 |
| LSAMP | -17.500989 | 1868.169847 | -0.0094 | 0.993 | -0.123488052 | count | 1 |

| | | | | | | | |
|-------------|------------|-------------|---------|-------|--------------|-------|---|
| TRPC1 | -17.500989 | 1868.169847 | -0.0094 | 0.993 | -0.123488052 | count | 1 |
| SEMA3A | -17.500989 | 1868.169847 | -0.0094 | 0.993 | -0.123488052 | count | 1 |
| AL683807.1 | -17.500989 | 1868.169847 | -0.0094 | 0.993 | -0.123488052 | count | 1 |
| AZIN1-AS1 | -17.500989 | 1868.169847 | -0.0094 | 0.993 | -0.123488052 | count | 1 |
| ABO | -17.500989 | 1868.169847 | -0.0094 | 0.993 | -0.123488052 | count | 1 |
| AC087241.3 | -17.500989 | 1868.169847 | -0.0094 | 0.993 | -0.123488052 | count | 1 |
| TSC22D1-AS1 | -17.500989 | 1868.169847 | -0.0094 | 0.993 | -0.123488052 | count | 1 |
| MSLN | -17.500989 | 1868.169847 | -0.0094 | 0.993 | -0.123488052 | count | 1 |
| AC009163.7 | -17.500989 | 1868.169847 | -0.0094 | 0.993 | -0.123488052 | count | 1 |
| ARHGAP44 | -17.500989 | 1868.169847 | -0.0094 | 0.993 | -0.123488052 | count | 1 |
| MOCOS | -17.500989 | 1868.169847 | -0.0094 | 0.993 | -0.123488052 | count | 1 |
| LINC00663 | -17.500989 | 1868.169847 | -0.0094 | 0.993 | -0.123488052 | count | 1 |
| OSBPL10 | -17.4966 | 1674.47573 | -0.0104 | 0.992 | -0.123488052 | count | 1 |
| ADAMTS4 | -17.314235 | 2076.210816 | -0.0083 | 0.993 | -0.123488051 | count | 1 |
| ABCG8 | -17.314235 | 2076.210816 | -0.0083 | 0.993 | -0.123488051 | count | 1 |
| LINC01305 | -17.314235 | 2076.210816 | -0.0083 | 0.993 | -0.123488051 | count | 1 |
| CP | -17.314235 | 2076.210816 | -0.0083 | 0.993 | -0.123488051 | count | 1 |
| AC096564.1 | -17.314235 | 2076.210816 | -0.0083 | 0.993 | -0.123488051 | count | 1 |
| MIR583HG | -17.314235 | 2076.210816 | -0.0083 | 0.993 | -0.123488051 | count | 1 |
| LINC02201 | -17.314235 | 2076.210816 | -0.0083 | 0.993 | -0.123488051 | count | 1 |
| ADAMTSL2 | -17.314235 | 2076.210816 | -0.0083 | 0.993 | -0.123488051 | count | 1 |
| AL137145.2 | -17.314235 | 2076.210816 | -0.0083 | 0.993 | -0.123488051 | count | 1 |
| AL133417.1 | -17.314235 | 2076.210816 | -0.0083 | 0.993 | -0.123488051 | count | 1 |
| AC090617.5 | -17.229564 | 1473.714778 | -0.0117 | 0.991 | -0.123488051 | count | 1 |
| PHGDH | -17.211639 | 1244.530295 | -0.0138 | 0.989 | -0.123488051 | count | 1 |
| AL096855.1 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| PINK1-AS | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| LINC01355 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| LINC02574 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| LINC02586 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| S100A3 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| NR1I3 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| CCDC181 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| PLEKHA6 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| SERTAD4-AS1 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| FIGLA | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| SULT1C2 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| SGPP2 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| AC099541.1 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| AC092910.3 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| IL20RB | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| CAMK2N2 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| AC109347.2 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| MGARP | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| EDA2R | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|-------|--------------|-------|---|
| PDGFRL | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| AC100814.1 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| AL358113.1 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| CXCR5 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| AL158163.1 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| CLEC1B | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| AC025031.4 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| PTPRB | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| LINC00426 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| ITGBL1 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| PPP1R36 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| LINC00239 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| BUB1B | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| AC018362.2 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| DUOX1 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| CSPG4 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| AC124068.2 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| NKD1 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| CDH5 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| AC092718.8 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| CORO6 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| SMIM5 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| NDC80 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| ABALON | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| SLA2 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| KISS1R | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| PRR36 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| F2RL3 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| ZNF547 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| AP001065.1 | -17.197067 | 2752.218623 | -0.0062 | 0.995 | -0.123488051 | count | 1 |
| AL627309.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL390719.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TTLL10 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL139246.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FBXO2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL121992.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL450998.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| MFAP2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| GPR3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC01778 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC114488.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TMEM35B | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TMCO2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PTPRF | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| KIF2C | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|-------|--------------|-------|---|
| AL358075.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC093424.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC099794.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL031429.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC01725 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL121989.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| HFM1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FAM19A3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SYT6 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC01762 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC245014.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| NUDT4B | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LYSMD1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TDRKH-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL365181.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| KIRREL1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC01704 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| OR6N1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL139011.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL591806.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ILDR2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL022310.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AXDND1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| NMNAT2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL445228.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC00862 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC104463.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ADORA1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL031316.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL136379.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| OBSCN-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL121990.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC01348 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL357556.4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| EDARADD | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CATSPERE | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL591848.4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ZNF695 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| OR2L2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC00299 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC01814 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC012065.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC02580 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC009501.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC016700.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|-------|--------------|-------|---|
| LINC01293 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC012511.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CD8A | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC133644.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ZAP70 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CHST10 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| NT5DC4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC016745.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| DPP10 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| POTEE | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CCDC74A | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC01876 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC02478 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC008063.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| GRB14 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CCDC173 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC016737.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC010894.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CHN1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC019080.4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| NCKAP1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC01827 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SATB2-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC005037.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC012668.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC013448.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SCYGR4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SLC16A14 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SNORC | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SAG | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC112715.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC068313.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC018809.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| COLQ | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ZNF385D | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC01980 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CSPG5 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PLXNB1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SEMA3F | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ITIH3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC116036.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FAM3D | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC00882 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| BTLA | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC074044.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |

| | | | | | | | |
|--------------|------------|-------------|---------|-------|--------------|-------|---|
| AC128687.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ARHGAP31-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ALG1L | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PODXL2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| KBTBD12 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| EFCC1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC02014 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC02021 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| BFSP2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| EPHB1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FOXL2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CLSTN2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TM4SF18 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC104472.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC00881 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC080013.6 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| IL12A | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PEX5L-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| KLHL6-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ABCC5-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CHRD | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC139887.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ADRA2C | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| C1QTNF7 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC099550.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC02357 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| UCHL1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC110792.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC069307.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC104806.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC053527.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC110615.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PPEF2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC104785.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FGF2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| GYPE | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| REELD1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FAM160A1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC107214.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AHRR | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC026740.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC091891.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC034229.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| EGFLAM | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC01033 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |

| | | | | | | | |
|-------------|------------|-------------|---------|-------|--------------|-------|---|
| AC010359.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC010273.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SERF1B | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC008972.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC113404.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| BHMT2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CMYA5 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC104118.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SPATA9 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC104123.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC012603.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TMEM232 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LOX | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| KIAA1024L | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ACSL6 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SMAD5-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC104116.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PCDHB4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PLAC8L1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| POU4F3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SPINK5 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| HTR4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CARMN | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SLC6A7 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| C5orf58 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| NEURL1B | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| STC2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FAM153A | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| COL23A1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ZFP2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC01962 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL138831.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL136309.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ERVFRD-1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CAP2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL031775.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| HIST1H3B | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| GTF2H4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| NCR3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| C6orf47-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL662796.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TCP11 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| POLH-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LRRC1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL121972.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |

| | | | | | | | |
|-------------|------------|-------------|---------|-------|--------------|-------|---|
| AL080317.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PTPRK | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL356124.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ENPP3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL596188.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL353596.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL138737.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL031056.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SOD2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SMOC2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SLC29A4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC007029.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC005014.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ABCB5 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| KIAA0895 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| GLI3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| MLXIPL | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| RUNDC3B | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| DLX5 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TMEM130 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC093668.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| NFE4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC005046.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TSPAN12 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FSCN3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SMKR1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ZC3HAV1L | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| DENND2A | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CTAGE6 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC073314.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC008060.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC004554.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC02154 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CLTRN | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC01281 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| RGN | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ZNF157 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FAM156B | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ZNF711 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PABPC5 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TSPAN6 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| BHLHB9 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TCEAL5 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TMEM31 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TMSB15B-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|-------|--------------|-------|---|
| ALG13-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SH2D1A | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| INTS6L-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FMR1NB | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC004908.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TDRP | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC104964.4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FAM66D | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FAM86B2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TRMT9B | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LZTS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC100861.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PBK | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| MBOAT4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC026979.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC103724.4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC012103.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LACTB2-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC022274.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC036214.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC009686.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC018616.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC010834.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC023632.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC083836.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC012213.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| DPYS | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ZFPM2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| RAD21-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC00861 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CCDC26 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC087045.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC134682.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LY6H | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| RHPN1-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC084125.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| VLDLR-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL135786.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL360014.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL137847.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SHC3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| BARX1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL359182.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FAM225B | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| RNF183 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|-------|--------------|-------|---|
| WDR31 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| BSPRY | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| C9orf43 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL157935.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| QRFP | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AIF1L | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AK8 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| GFI1B | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| DRD4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TRIM34 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC091564.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| OR10A2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC069360.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| GALNT18 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC00958 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CALCB | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| KCNC1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC009549.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CSTF3-DT | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL356215.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FJX1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC087521.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| C11orf94 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AGBL2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| OR5B21 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AP000442.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| MS4A2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AP000777.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AP003721.4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| C11orf95 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| OVOL1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SNX32 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SLC29A2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AP003716.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ARAP1-AS2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AP001922.5 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AP002360.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AP001189.6 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| KCTD14 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AP003063.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| DSCAML1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| USP2-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AP003501.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AP001318.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL590068.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|-------|--------------|-------|---|
| ZNF239 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL137026.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| OR13A1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PRF1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| DNAJC9-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL139241.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| NKX2-3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| INA | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TDRD1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL390763.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL162274.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL162274.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC00942 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC005842.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| GALNT8 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC006064.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| A2ML1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC008115.4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC125611.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FIGNL2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC034102.6 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LRP1-AS | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| DTX3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| DPY19L2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| GLIPR1L1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC011611.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC107032.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| C12orf50 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC024909.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC138123.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC073655.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC089983.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC079385.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TBX3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| KSR2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC131159.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TMEM233 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PITPNM2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC068790.8 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PABPC3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC02340 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| UBE2L5 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC00545 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL138820.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL354696.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|-------|--------------|-------|---|
| TUSC8 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC00330 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TEX29 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ATP11A-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| GRTP1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL136295.6 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL049830.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL139353.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL133163.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL132639.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL049875.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC02315 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL139099.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL139317.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC00520 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SIX1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FAM71D | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PLEKHH1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ACTN1-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PLEKHD1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| KCNK10 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL162171.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| BCL11B | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| BEGAIN | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL138976.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL583722.4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| GOLGA8M | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC055876.5 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC091057.6 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC010809.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| RASGRP1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC022929.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC020661.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CHAC1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC022306.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC022087.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC092755.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC100827.4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| C15orf59 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC090260.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC016705.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TMC3-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PCSK6-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC004754.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CCDC78 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|-------|--------------|-------|---|
| TPSAB1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC120498.9 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| BAIAP3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SYNGR3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| NPW | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TEKT5 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC130456.5 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC092375.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC092338.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC109460.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC009133.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC106886.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PYDC1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ITGAD | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC018845.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ZNF423 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC007610.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC007493.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| DOK4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC092118.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| NDRG4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CDH11 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC01572 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC092718.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC126696.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC02166 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC087392.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC027796.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| BCL6B | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SLC35G6 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| GUCY2D | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| MFSD6L | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC002091.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| HS3ST3A1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| DRC3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC007952.7 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| VTN | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC104984.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC005899.5 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC060766.4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| RASL10B | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SRCIN1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC004231.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ZNF385C | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| C17orf113 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|-------|--------------|-------|---|
| AC099811.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SOST | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ITGA2B | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC005670.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TMEM92 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC015813.4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC015813.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC005972.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC005332.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| KIF19 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC021683.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| C1QTNF1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC145207.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PYCR1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC139099.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC139099.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AP001496.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AP005059.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AP005482.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| GATA6-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC090912.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LAMA3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC012417.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SLC14A1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SIRPG | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL049712.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PRND | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL133396.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL121890.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CHGB | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL021396.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PARAL1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SNAP25 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LINC01752 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL161938.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL121892.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL121761.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL035252.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| NINL | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FOXS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TTL9 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL133227.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL031666.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL157838.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| EEF1A2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |

| | | | | | | | |
|---------------|------------|-------------|---------|-------|--------------|-------|---|
| LINC00266-1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FGF22 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ANKRD24 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC005339.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TEX45 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CAMSAP3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC011451.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ZNF559-ZNF177 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| COL5A3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC011472.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ELAVL3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| MAST1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC011446.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC010319.4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| UNC13A | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| TSSK6 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ZNF730 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ZNF724 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| RGS9BP | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC008747.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| WTIP | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FXYD7 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AD000090.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AD000671.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| NPHS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| GGN | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LGALS4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ZNF285 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| GIPR | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| DACT3-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| KCNA7 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC063977.6 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC008750.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC092070.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| KIR2DL4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC020922.4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ZNF667 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC005498.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ZNF154 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC012313.8 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC012313.7 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PCDH11Y | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| HDHD5-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| RTN4R | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC007731.3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|---------|--------------|-------|---|
| LRRRC74B | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AP000550.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| RAB36 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| Z97353.2 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| C22orf42 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PDXP | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| KDELRL3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| DMC1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FAM83F | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| PNPLA3 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AL021392.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CU638689.4 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| CU638689.5 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| FP236241.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| SMIM11B | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AF127577.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AF124730.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AP000311.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AP000704.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| LCA5L | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| ZNF295-AS1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| AC145212.1 | -16.700967 | 4059.590711 | -0.0041 | 0.997 | -0.123488048 | count | 1 |
| WDR4 | -0.1655162 | 0.4500587 | -0.3678 | 0.713 | -0.123367269 | count | 1 |
| RGS10 | -0.0861327 | 0.0548783 | -1.5695 | 0.117 | -0.12330862 | count | 1 |
| PEX13 | -0.103728 | 0.2712479 | -0.3824 | 0.702 | -0.123219986 | count | 1 |
| FKBP7 | -0.1600179 | 0.5895013 | -0.2714 | 0.786 | -0.123098213 | count | 1 |
| PUF60 | -0.0886744 | 0.1005412 | -0.882 | 0.378 | -0.123073701 | count | 1 |
| SEC14L1 | -0.088985 | 0.0995422 | -0.8939 | 0.371 | -0.122928472 | count | 1 |
| CD320 | -0.147706 | 0.4535686 | -0.3257 | 0.745 | -0.122897919 | count | 1 |
| CYP2U1 | -0.1596917 | 0.3982073 | -0.401 | 0.688 | -0.122854123 | count | 1 |
| PAFAH1B1 | -0.0873948 | 0.0890038 | -0.9819 | 0.326 | -0.122785582 | count | 1 |
| SERTAD3 | -0.0879854 | 0.1064506 | -0.8265 | 0.409 | -0.122747472 | count | 1 |
| RAP2C | -0.0975516 | 0.2035035 | -0.4794 | 0.632 | -0.12267123 | count | 1 |
| PIK3C2B | -0.2933049 | 0.7979251 | -0.3676 | 0.713 | -0.122669436 | count | 1 |
| SLC20A1 | -0.0916254 | 0.1521486 | -0.6022 | 0.547 | -0.122662159 | count | 1 |
| NFE2L2 | -0.0857365 | 0.0570717 | -1.5023 | 0.133 | -0.122608584 | count | 1 |
| GPD1L | -0.3389565 | 0.4977247 | -0.681 | 0.496 | -0.122602553 | count | 1 |
| SUB1 | -0.0855709 | 0.050616 | -1.6906 | 0.091 | -0.122563147 | count | 1 |
| EPHB2 | -0.1097607 | 0.3595828 | -0.3052 | 0.76 | -0.12249808 | count | 1 |
| C1QC | -0.0850731 | 0.0774125 | -1.099 | 0.272 | -0.122495109 | count | 1 |
| CDC42BPA | -0.2604079 | 0.3756152 | -0.6933 | 0.488 | -0.122188442 | count | 1 |
| RAP1B | -0.085875 | 0.0565792 | -1.5178 | 0.129 | -0.122170042 | count | 1 |
| MGAT1 | -0.0862405 | 0.062577 | -1.3782 | 0.168 | -0.122163746 | count | 1 |
| RPS5 | -0.0848548 | 0.0308845 | -2.7475 | 0.00605 | -0.122115552 | count | 1 |
| MAGIX | -0.1936039 | 0.4523615 | -0.428 | 0.669 | -0.122036102 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|--------|--------------|-------|---|
| PRRC2A | -0.0993993 | 0.2219079 | -0.4479 | 0.654 | -0.121971491 | count | 1 |
| KCTD7 | -0.1143623 | 0.386752 | -0.2957 | 0.767 | -0.121916705 | count | 1 |
| TMC6 | -0.0927409 | 0.1598649 | -0.5801 | 0.562 | -0.121892553 | count | 1 |
| HIVEP1 | -0.0981702 | 0.1996574 | -0.4917 | 0.623 | -0.121770605 | count | 1 |
| GRN | -0.0847782 | 0.0407941 | -2.0782 | 0.0378 | -0.121746418 | count | 1 |
| MSH3 | -0.1311705 | 0.272289 | -0.4817 | 0.63 | -0.121738314 | count | 1 |
| UBE2A | -0.0862576 | 0.0808411 | -1.067 | 0.286 | -0.121699422 | count | 1 |
| AC091271.1 | -0.0989243 | 0.2473893 | -0.3999 | 0.689 | -0.121621783 | count | 1 |
| ICE2 | -0.1001279 | 0.2581765 | -0.3878 | 0.698 | -0.121615648 | count | 1 |
| NDUFA4 | -0.0847723 | 0.0440019 | -1.9266 | 0.0541 | -0.121449689 | count | 1 |
| ATP6V1G1 | -0.0845959 | 0.0427544 | -1.9786 | 0.048 | -0.121433616 | count | 1 |
| GALNT1 | -0.0897549 | 0.1240387 | -0.7236 | 0.469 | -0.121400644 | count | 1 |
| CISD1 | -0.0924578 | 0.2075885 | -0.4454 | 0.656 | -0.121365107 | count | 1 |
| AC108134.2 | -0.3351571 | 0.9189327 | -0.3647 | 0.715 | -0.121356099 | count | 1 |
| C11orf58 | -0.0850549 | 0.0570399 | -1.4911 | 0.136 | -0.121304199 | count | 1 |
| PEX7 | -0.1241632 | 0.3983215 | -0.3117 | 0.755 | -0.121296191 | count | 1 |
| SARAF | -0.0848312 | 0.043997 | -1.9281 | 0.054 | -0.121279504 | count | 1 |
| KDEL2 | -0.4055057 | 0.4643691 | -0.8732 | 0.383 | -0.12118957 | count | 1 |
| QKI | -0.0850214 | 0.0622693 | -1.3654 | 0.172 | -0.121122236 | count | 1 |
| GFPT1 | -0.104009 | 0.2696138 | -0.3858 | 0.7 | -0.120929029 | count | 1 |
| TFDP1 | -0.0929242 | 0.1796559 | -0.5172 | 0.605 | -0.120842546 | count | 1 |
| CAMLG | -0.0879157 | 0.1415735 | -0.621 | 0.535 | -0.1202941 | count | 1 |
| KIAA0556 | -0.1811666 | 0.4649758 | -0.3896 | 0.697 | -0.12011071 | count | 1 |
| EIF3J | -0.085169 | 0.0985962 | -0.8638 | 0.388 | -0.119796608 | count | 1 |
| TCEAL3 | -0.086913 | 0.1380777 | -0.6294 | 0.529 | -0.119754641 | count | 1 |
| SLC4A7 | -0.0854821 | 0.1186049 | -0.7207 | 0.471 | -0.119575915 | count | 1 |
| GATAD2A | -0.0956775 | 0.2233624 | -0.4284 | 0.668 | -0.119454427 | count | 1 |
| POLD1 | -0.1373015 | 0.4877629 | -0.2815 | 0.778 | -0.119218187 | count | 1 |
| MTRF1L | -0.0972397 | 0.2151872 | -0.4519 | 0.651 | -0.119104496 | count | 1 |
| SNX3 | -0.0831218 | 0.051563 | -1.612 | 0.107 | -0.119080877 | count | 1 |
| CCDC32 | -0.0962732 | 0.2003714 | -0.4805 | 0.631 | -0.119022344 | count | 1 |
| IPO13 | -0.1462068 | 0.4929025 | -0.2966 | 0.767 | -0.118885293 | count | 1 |
| MAGOH | -0.0843574 | 0.0825746 | -1.0216 | 0.307 | -0.118726919 | count | 1 |
| CCNE2 | -0.2521934 | 0.5996658 | -0.4206 | 0.674 | -0.118575844 | count | 1 |
| IFNGR1 | -0.0830182 | 0.0531336 | -1.5624 | 0.118 | -0.1185697 | count | 1 |
| FOXO4 | -0.1877494 | 0.5659285 | -0.3318 | 0.74 | -0.118488898 | count | 1 |
| FAM133B | -0.0837312 | 0.080303 | -1.0427 | 0.297 | -0.118372642 | count | 1 |
| STARD9 | -0.5161099 | 0.6877238 | -0.7505 | 0.453 | -0.117943318 | count | 1 |
| NOP2 | -0.2506261 | 0.6972381 | -0.3595 | 0.719 | -0.11788477 | count | 1 |
| ARHGEF7 | -0.1076597 | 0.2793471 | -0.3854 | 0.7 | -0.117697079 | count | 1 |
| IL2RA | -0.1053719 | 0.2572275 | -0.4096 | 0.682 | -0.117642512 | count | 1 |
| NDUFAF7 | -0.1232469 | 0.3355075 | -0.3673 | 0.713 | -0.117602971 | count | 1 |
| SLIRP | -0.0844184 | 0.1019303 | -0.8282 | 0.408 | -0.117528993 | count | 1 |
| AAED1 | -0.0842647 | 0.1155538 | -0.7292 | 0.466 | -0.117472898 | count | 1 |
| RRAGA | -0.0862773 | 0.1319111 | -0.6541 | 0.513 | -0.117296795 | count | 1 |

| | | | | | | | |
|-------------|------------|-----------|---------|-------|--------------|-------|---|
| HLA-DPA1 | -0.0813201 | 0.0547698 | -1.4848 | 0.138 | -0.117269016 | count | 1 |
| MESD | -0.0831484 | 0.0861082 | -0.9656 | 0.334 | -0.117240965 | count | 1 |
| NOL11 | -0.1065367 | 0.3015743 | -0.3533 | 0.724 | -0.117125395 | count | 1 |
| SCOC | -0.0904733 | 0.17304 | -0.5228 | 0.601 | -0.116981957 | count | 1 |
| IGHM | -0.7972658 | 1.2709058 | -0.6273 | 0.531 | -0.116980432 | count | 1 |
| ARPC1A | -0.0848885 | 0.1119937 | -0.758 | 0.449 | -0.116560425 | count | 1 |
| MTR | -0.1012044 | 0.2804551 | -0.3609 | 0.718 | -0.115993981 | count | 1 |
| SNAPC5 | -0.092986 | 0.2013712 | -0.4618 | 0.644 | -0.115930149 | count | 1 |
| FLNA | -0.0813855 | 0.0927384 | -0.8776 | 0.38 | -0.115773979 | count | 1 |
| MRPL50 | -0.0869631 | 0.1679141 | -0.5179 | 0.605 | -0.115770514 | count | 1 |
| SMAP1 | -0.0827151 | 0.1076416 | -0.7684 | 0.442 | -0.115740876 | count | 1 |
| NCKAP1L | -0.0832126 | 0.0982123 | -0.8473 | 0.397 | -0.115718616 | count | 1 |
| PCK2 | -0.0924295 | 0.2134879 | -0.4329 | 0.665 | -0.115592208 | count | 1 |
| CDC42EP2 | -0.0891384 | 0.2030633 | -0.439 | 0.661 | -0.115558864 | count | 1 |
| UBP1 | -0.0952661 | 0.2750436 | -0.3464 | 0.729 | -0.11548962 | count | 1 |
| SPR | -0.0989213 | 0.3164824 | -0.3126 | 0.755 | -0.115440642 | count | 1 |
| PRUNE2 | -0.3169656 | 0.4351131 | -0.7285 | 0.466 | -0.115348177 | count | 1 |
| COPZ1 | -0.0824282 | 0.0945635 | -0.8717 | 0.383 | -0.115315907 | count | 1 |
| SNF8 | -0.0817397 | 0.0882066 | -0.9267 | 0.354 | -0.115303934 | count | 1 |
| HCG18 | -0.0944781 | 0.282763 | -0.3341 | 0.738 | -0.115035952 | count | 1 |
| ZNF799 | -0.2058661 | 0.5255293 | -0.3917 | 0.695 | -0.115027968 | count | 1 |
| PSMD4 | -0.0817381 | 0.082099 | -0.9956 | 0.32 | -0.115027538 | count | 1 |
| SERPINB6 | -0.0809978 | 0.0701475 | -1.1547 | 0.248 | -0.114718457 | count | 1 |
| TINF2 | -0.0866493 | 0.1734597 | -0.4995 | 0.617 | -0.114650125 | count | 1 |
| AC069544.1 | -0.1199463 | 0.6114173 | -0.1962 | 0.844 | -0.114500089 | count | 1 |
| REEP4 | -0.0894758 | 0.1771958 | -0.505 | 0.614 | -0.114229653 | count | 1 |
| HTATSF1 | -0.0880909 | 0.1799152 | -0.4896 | 0.624 | -0.114205288 | count | 1 |
| PSMD10 | -0.092276 | 0.2365309 | -0.3901 | 0.696 | -0.114104302 | count | 1 |
| PROX1 | -0.4958732 | 0.5649119 | -0.8778 | 0.38 | -0.11403707 | count | 1 |
| VPS26A | -0.081563 | 0.0955245 | -0.8538 | 0.393 | -0.11394934 | count | 1 |
| ZBTB20-AS2 | -0.7675392 | 0.9636642 | -0.7965 | 0.426 | -0.113735958 | count | 1 |
| 7-Sep | -0.0794682 | 0.0489763 | -1.6226 | 0.105 | -0.113694548 | count | 1 |
| ZFP36L1 | -0.0790488 | 0.0577053 | -1.3699 | 0.171 | -0.113548155 | count | 1 |
| SRA1 | -0.0799676 | 0.0860121 | -0.9297 | 0.353 | -0.113480747 | count | 1 |
| SEPSECS-AS1 | -0.1305649 | 0.6654966 | -0.1962 | 0.844 | -0.113479678 | count | 1 |
| CISD3 | -0.0811516 | 0.1025125 | -0.7916 | 0.429 | -0.113417609 | count | 1 |
| CCT8 | -0.0801936 | 0.0742163 | -1.0805 | 0.28 | -0.113201704 | count | 1 |
| SUCLA2 | -0.0896398 | 0.2075373 | -0.4319 | 0.666 | -0.112917494 | count | 1 |
| SLC39A4 | -0.0836204 | 0.1569302 | -0.5329 | 0.594 | -0.112833362 | count | 1 |
| ABI2 | -0.1013468 | 0.2516774 | -0.4027 | 0.687 | -0.112633111 | count | 1 |
| RALGPS2 | -0.1048525 | 0.2926938 | -0.3582 | 0.72 | -0.112612589 | count | 1 |
| NOP10 | -0.0784745 | 0.0516568 | -1.5192 | 0.129 | -0.112406188 | count | 1 |
| FBXW5 | -0.0813251 | 0.1650729 | -0.4927 | 0.622 | -0.112313167 | count | 1 |
| C1RL-AS1 | -0.2379981 | 0.8989356 | -0.2648 | 0.791 | -0.112295551 | count | 1 |
| SNRNP200 | -0.0845488 | 0.1623208 | -0.5209 | 0.603 | -0.111999126 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|--------|--------------|-------|---|
| RFC1 | -0.0818455 | 0.1437396 | -0.5694 | 0.569 | -0.111762355 | count | 1 |
| BMF | -0.0914829 | 0.3922252 | -0.2332 | 0.816 | -0.111639914 | count | 1 |
| TLK2 | -0.085893 | 0.2048582 | -0.4193 | 0.675 | -0.111638401 | count | 1 |
| NEK1 | -0.0924671 | 0.4482715 | -0.2063 | 0.837 | -0.111605832 | count | 1 |
| UQCR10 | -0.0780526 | 0.0574377 | -1.3589 | 0.174 | -0.111604847 | count | 1 |
| TMEM126B | -0.0826428 | 0.1443865 | -0.5724 | 0.567 | -0.111589326 | count | 1 |
| FOSL2 | -0.0789157 | 0.0901621 | -0.8753 | 0.382 | -0.111531165 | count | 1 |
| RALY | -0.0797867 | 0.0890171 | -0.8963 | 0.37 | -0.111519982 | count | 1 |
| ZNF446 | -0.2152377 | 0.6657898 | -0.3233 | 0.747 | -0.11147052 | count | 1 |
| USP37 | -0.0893665 | 0.1945403 | -0.4594 | 0.646 | -0.111437407 | count | 1 |
| ATRAID | -0.0787129 | 0.0749675 | -1.05 | 0.294 | -0.11123427 | count | 1 |
| AC023509.4 | -0.1278438 | 0.5817367 | -0.2198 | 0.826 | -0.111158402 | count | 1 |
| ZDHHC6 | -0.0844897 | 0.1808171 | -0.4673 | 0.64 | -0.11114722 | count | 1 |
| PPM1G | -0.0790723 | 0.0903952 | -0.8747 | 0.382 | -0.111055279 | count | 1 |
| DDX41 | -0.0879855 | 0.1953552 | -0.4504 | 0.652 | -0.110990156 | count | 1 |
| GSC | -0.2632872 | 1.0550026 | -0.2496 | 0.803 | -0.110982118 | count | 1 |
| RAMP2 | -0.2632872 | 0.9263742 | -0.2842 | 0.776 | -0.110982118 | count | 1 |
| TBKBP1 | -0.2632872 | 1.004232 | -0.2622 | 0.793 | -0.110982118 | count | 1 |
| ZNF155 | -0.2632872 | 0.9317084 | -0.2826 | 0.778 | -0.110982118 | count | 1 |
| RPL36AL | -0.07716 | 0.034288 | -2.2504 | 0.0245 | -0.110863648 | count | 1 |
| DCSTAMP | -0.1360503 | 0.7156665 | -0.1901 | 0.849 | -0.110805494 | count | 1 |
| OAS3 | -0.0919662 | 0.3084109 | -0.2982 | 0.766 | -0.110742388 | count | 1 |
| UBALD2 | -0.0782196 | 0.0717624 | -1.09 | 0.276 | -0.110719985 | count | 1 |
| CBLL1 | -0.0919198 | 0.2579324 | -0.3564 | 0.722 | -0.110686821 | count | 1 |
| LAMP2 | -0.0784003 | 0.0797694 | -0.9828 | 0.326 | -0.110596271 | count | 1 |
| LAMB3 | -0.2133296 | 0.9454468 | -0.2256 | 0.822 | -0.110531836 | count | 1 |
| PACSN3 | -0.2133296 | 0.7908747 | -0.2697 | 0.787 | -0.110531836 | count | 1 |
| CMC1 | -0.0799633 | 0.1283816 | -0.6229 | 0.533 | -0.109996937 | count | 1 |
| AIDA | -0.0841998 | 0.1810797 | -0.465 | 0.642 | -0.109946862 | count | 1 |
| FO393401.1 | -0.0981596 | 0.2755802 | -0.3562 | 0.722 | -0.109655208 | count | 1 |
| SKP1 | -0.0764414 | 0.0449005 | -1.7025 | 0.0888 | -0.109560801 | count | 1 |
| ANO7 | -0.4722815 | 1.1726611 | -0.4027 | 0.687 | -0.109412393 | count | 1 |
| ZBED8 | -0.4722815 | 1.2025025 | -0.3927 | 0.695 | -0.109412393 | count | 1 |
| HIST1H2BG | -0.4722815 | 1.1726611 | -0.4027 | 0.687 | -0.109412393 | count | 1 |
| KIF24 | -0.4722815 | 1.3851632 | -0.341 | 0.733 | -0.109412393 | count | 1 |
| P3H4 | -0.4722815 | 1.3851632 | -0.341 | 0.733 | -0.109412393 | count | 1 |
| ZNF671 | -0.4722815 | 1.1726611 | -0.4027 | 0.687 | -0.109412393 | count | 1 |
| EAF1 | -0.0808756 | 0.1904632 | -0.4246 | 0.671 | -0.109277243 | count | 1 |
| EXOSC7 | -0.0827823 | 0.1852937 | -0.4468 | 0.655 | -0.10923664 | count | 1 |
| HMG20B | -0.0802498 | 0.1439705 | -0.5574 | 0.577 | -0.109199324 | count | 1 |
| ATAD5 | -0.1052021 | 0.3341397 | -0.3148 | 0.753 | -0.109005267 | count | 1 |
| SCRN3 | -0.1229365 | 0.4288751 | -0.2866 | 0.774 | -0.108931926 | count | 1 |
| LIX1L-AS1 | -0.4689184 | 0.8167814 | -0.5741 | 0.566 | -0.108746885 | count | 1 |
| HECW2 | -0.4689184 | 0.9684151 | -0.4842 | 0.628 | -0.108746885 | count | 1 |
| AP000763.3 | -0.4689184 | 0.8472218 | -0.5535 | 0.58 | -0.108746885 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|--------|--------------|-------|---|
| RNFT1-DT | -0.4689184 | 0.8766384 | -0.5349 | 0.593 | -0.108746885 | count | 1 |
| XRN2 | -0.0764221 | 0.0615849 | -1.2409 | 0.215 | -0.108574818 | count | 1 |
| EHBP1 | -0.1017138 | 0.4260837 | -0.2387 | 0.811 | -0.108562737 | count | 1 |
| ZBTB25 | -0.1002997 | 0.3274617 | -0.3063 | 0.759 | -0.108443284 | count | 1 |
| COX5B | -0.0755624 | 0.0415772 | -1.8174 | 0.0693 | -0.1084105 | count | 1 |
| VAV3 | -0.0824941 | 0.2086401 | -0.3954 | 0.693 | -0.108321449 | count | 1 |
| DPH3 | -0.078211 | 0.1108648 | -0.7055 | 0.481 | -0.107971886 | count | 1 |
| APIP | -0.078945 | 0.1306336 | -0.6043 | 0.546 | -0.10780769 | count | 1 |
| PSMA1 | -0.0758729 | 0.0671673 | -1.1296 | 0.259 | -0.107601044 | count | 1 |
| APPL1 | -0.0766727 | 0.0935602 | -0.8195 | 0.413 | -0.107486539 | count | 1 |
| CHID1 | -0.0810919 | 0.1404753 | -0.5773 | 0.564 | -0.107373151 | count | 1 |
| ACSS2 | -0.1019838 | 0.3557747 | -0.2867 | 0.774 | -0.10733871 | count | 1 |
| NUDT5 | -0.079839 | 0.1369799 | -0.5829 | 0.56 | -0.107330314 | count | 1 |
| HS1BP3 | -0.0943444 | 0.2539242 | -0.3715 | 0.71 | -0.107323449 | count | 1 |
| ZFYVE21 | -0.0817938 | 0.2235191 | -0.3659 | 0.714 | -0.107190399 | count | 1 |
| STX7 | -0.0765012 | 0.0896517 | -0.8533 | 0.394 | -0.107186731 | count | 1 |
| GPAT4 | -0.092755 | 0.2652518 | -0.3497 | 0.727 | -0.107175829 | count | 1 |
| STARD5 | -0.1107534 | 0.4626649 | -0.2394 | 0.811 | -0.107135363 | count | 1 |
| TRIM13 | -0.0838811 | 0.2228872 | -0.3763 | 0.707 | -0.107112119 | count | 1 |
| MSH6 | -0.0822839 | 0.1609647 | -0.5112 | 0.609 | -0.107046111 | count | 1 |
| DPY30 | -0.0769514 | 0.1170433 | -0.6575 | 0.511 | -0.106966661 | count | 1 |
| SELENOS | -0.0756666 | 0.0773719 | -0.978 | 0.328 | -0.106948425 | count | 1 |
| AL139289.2 | -0.2918139 | 0.9118215 | -0.32 | 0.749 | -0.106932637 | count | 1 |
| MAPK10 | -0.2918139 | 1.5153948 | -0.1926 | 0.847 | -0.106932637 | count | 1 |
| AL359644.1 | -0.2918139 | 0.8196777 | -0.356 | 0.722 | -0.106932637 | count | 1 |
| AC136475.1 | -0.2918139 | 1.0756275 | -0.2713 | 0.786 | -0.106932637 | count | 1 |
| RPL36A | -0.0761394 | 0.0757849 | -1.0047 | 0.315 | -0.106845623 | count | 1 |
| LY96 | -0.0750776 | 0.0692347 | -1.0844 | 0.278 | -0.106772519 | count | 1 |
| BCCIP | -0.0805471 | 0.1722456 | -0.4676 | 0.64 | -0.106710838 | count | 1 |
| NEK11 | -0.7046919 | 0.7905014 | -0.8914 | 0.373 | -0.106621377 | count | 1 |
| TBC1D16 | -0.7046919 | 0.87603 | -0.8044 | 0.421 | -0.106621377 | count | 1 |
| CCNE1 | -0.7046919 | 0.7905014 | -0.8914 | 0.373 | -0.106621377 | count | 1 |
| C21orf58 | -0.7046919 | 0.8846898 | -0.7965 | 0.426 | -0.106621377 | count | 1 |
| QSER1 | -0.0825863 | 0.2702158 | -0.3056 | 0.76 | -0.106429237 | count | 1 |
| GPM6B | -0.456261 | 0.5933897 | -0.7689 | 0.442 | -0.10622814 | count | 1 |
| TIMP3 | -0.0861578 | 0.7290518 | -0.1182 | 0.906 | -0.106193946 | count | 1 |
| SCAF1 | -0.1110012 | 0.3889039 | -0.2854 | 0.775 | -0.106077585 | count | 1 |
| PSMG4 | -0.0810454 | 0.1965197 | -0.4124 | 0.68 | -0.105915994 | count | 1 |
| TBC1D19 | -0.4544735 | 0.8229044 | -0.5523 | 0.581 | -0.105870644 | count | 1 |
| POLR2L | -0.0741454 | 0.0621712 | -1.1926 | 0.233 | -0.105699921 | count | 1 |
| TXNL1 | -0.0752812 | 0.0874186 | -0.8612 | 0.389 | -0.105659987 | count | 1 |
| C1orf35 | -0.0788754 | 0.1627877 | -0.4845 | 0.628 | -0.105585109 | count | 1 |
| PSMA2 | -0.0758649 | 0.1071241 | -0.7082 | 0.479 | -0.105436334 | count | 1 |
| PIGG | -0.1188696 | 0.3853999 | -0.3084 | 0.758 | -0.105388318 | count | 1 |
| EPG5 | -0.1131547 | 0.369259 | -0.3064 | 0.759 | -0.105263343 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|--------|--------------|-------|---|
| HIC2 | -0.0990745 | 0.5353442 | -0.1851 | 0.853 | -0.10505337 | count | 1 |
| AC007325.4 | -0.2018882 | 0.7009565 | -0.288 | 0.773 | -0.104884489 | count | 1 |
| PNPO | -0.1027908 | 0.2724351 | -0.3773 | 0.706 | -0.104745592 | count | 1 |
| AGFG2 | -0.6885987 | 1.2044369 | -0.5717 | 0.568 | -0.104742747 | count | 1 |
| SKAP1 | -0.6885987 | 1.1036482 | -0.6239 | 0.533 | -0.104742747 | count | 1 |
| ZSCAN22 | -0.6885987 | 1.2682727 | -0.5429 | 0.587 | -0.104742747 | count | 1 |
| NAA10 | -0.0749851 | 0.1070446 | -0.7005 | 0.484 | -0.104669572 | count | 1 |
| USP13 | -0.6874395 | 0.6390759 | -1.0757 | 0.282 | -0.10460652 | count | 1 |
| NSUN4 | -0.0919113 | 0.417952 | -0.2199 | 0.826 | -0.104575099 | count | 1 |
| NBPF12 | -0.2843787 | 0.5627354 | -0.5054 | 0.613 | -0.104420629 | count | 1 |
| GALM | -0.0831711 | 0.234376 | -0.3549 | 0.723 | -0.10421378 | count | 1 |
| PRKCA | -0.0975587 | 0.2943058 | -0.3315 | 0.74 | -0.10416862 | count | 1 |
| PPIA | -0.0724519 | 0.032909 | -2.2016 | 0.0278 | -0.104163384 | count | 1 |
| C19orf53 | -0.072871 | 0.0555019 | -1.3129 | 0.189 | -0.10396233 | count | 1 |
| PTGR2 | -0.130512 | 0.3095477 | -0.4216 | 0.673 | -0.103734799 | count | 1 |
| PIAS2 | -0.1008198 | 0.2361377 | -0.427 | 0.669 | -0.103653325 | count | 1 |
| CD207 | -1.9948141 | 2.088497 | -0.9551 | 0.3396 | -0.103607161 | count | 1 |
| OSBPL8 | -0.0731247 | 0.0875153 | -0.8356 | 0.403 | -0.103583327 | count | 1 |
| TP53BP2 | -0.0792475 | 0.1959556 | -0.4044 | 0.686 | -0.103572701 | count | 1 |
| AC006333.2 | -0.0822831 | 0.305976 | -0.2689 | 0.788 | -0.103544485 | count | 1 |
| TMCC1 | -0.0880322 | 0.3437974 | -0.2561 | 0.798 | -0.103467422 | count | 1 |
| LGALS9 | -0.072779 | 0.073461 | -0.9907 | 0.322 | -0.10344793 | count | 1 |
| FAAP24 | -0.2179424 | 0.7122987 | -0.306 | 0.76 | -0.103341709 | count | 1 |
| DCLK2 | -1.9800126 | 2.2275407 | -0.8889 | 0.3742 | -0.103319416 | count | 1 |
| USPL1 | -0.0943509 | 0.2612239 | -0.3612 | 0.718 | -0.103267961 | count | 1 |
| COL8A2 | -0.1425927 | 0.4353475 | -0.3275 | 0.743 | -0.103166217 | count | 1 |
| ATP6V1E2 | -0.1162289 | 0.3755637 | -0.3095 | 0.757 | -0.103085143 | count | 1 |
| AC026304.1 | -0.1833383 | 1.312477 | -0.1397 | 0.889 | -0.102957975 | count | 1 |
| IL10 | -0.0734713 | 0.2135542 | -0.344 | 0.731 | -0.102566515 | count | 1 |
| MAPK3 | -0.0793977 | 0.1746488 | -0.4546 | 0.649 | -0.102521126 | count | 1 |
| ARHGEF26 | -1.921258 | 1.0348711 | -1.8565 | 0.0635 | -0.102136903 | count | 1 |
| TSPAN13 | -0.1609382 | 0.7247094 | -0.2221 | 0.824 | -0.102128091 | count | 1 |
| YAE1D1 | -0.1320738 | 0.4264353 | -0.3097 | 0.757 | -0.102084432 | count | 1 |
| PSMA5 | -0.0724559 | 0.075768 | -0.9563 | 0.339 | -0.102083729 | count | 1 |
| TMEM9B | -0.0731841 | 0.098463 | -0.7433 | 0.457 | -0.102012791 | count | 1 |
| ULK4 | -0.1170916 | 0.3578275 | -0.3272 | 0.744 | -0.101967377 | count | 1 |
| GALK1 | -0.0735473 | 0.124262 | -0.5919 | 0.554 | -0.101888419 | count | 1 |
| GDF15 | -0.0929729 | 0.4616051 | -0.2014 | 0.84 | -0.101771963 | count | 1 |
| NDUFB6 | -0.0724462 | 0.0957179 | -0.7569 | 0.449 | -0.101541065 | count | 1 |
| SRSF10 | -0.0722392 | 0.1226584 | -0.5889 | 0.556 | -0.101404691 | count | 1 |
| C4orf48 | -0.0716945 | 0.0771581 | -0.9292 | 0.353 | -0.10134649 | count | 1 |
| EIF3B | -0.0757761 | 0.2290768 | -0.3308 | 0.741 | -0.101317143 | count | 1 |
| IFT20 | -0.0741822 | 0.1177616 | -0.6299 | 0.529 | -0.101198516 | count | 1 |
| LIN7B | -0.1085052 | 0.3441432 | -0.3153 | 0.753 | -0.100998476 | count | 1 |
| SPATA20 | -0.097387 | 0.2836041 | -0.3434 | 0.731 | -0.100988079 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|--------|--------------|-------|---|
| TIMMDC1 | -0.0745424 | 0.1273942 | -0.5851 | 0.559 | -0.100859145 | count | 1 |
| ZNF551 | -0.1935974 | 0.7468105 | -0.2592 | 0.795 | -0.100772112 | count | 1 |
| HIST1H4H | -0.2374638 | 0.4999104 | -0.475 | 0.635 | -0.100769119 | count | 1 |
| CHMP2A | -0.0706394 | 0.0651281 | -1.0846 | 0.2782 | -0.100687324 | count | 1 |
| EIF1B | -0.0707468 | 0.0693858 | -1.0196 | 0.308 | -0.100514908 | count | 1 |
| ECI2 | -0.0773746 | 0.1799151 | -0.4301 | 0.667 | -0.100267119 | count | 1 |
| VKORC1L1 | -0.085398 | 0.2552832 | -0.3345 | 0.738 | -0.100074986 | count | 1 |
| TMTC3 | -0.1171485 | 0.4428446 | -0.2645 | 0.791 | -0.100034031 | count | 1 |
| GPRC5C | -0.1920423 | 0.3129849 | -0.6136 | 0.54 | -0.099998877 | count | 1 |
| NF2 | -0.0907674 | 0.4271887 | -0.2125 | 0.832 | -0.099924319 | count | 1 |
| SLC9A1 | -0.112595 | 0.43028 | -0.2617 | 0.794 | -0.099912798 | count | 1 |
| HPS1 | -0.0732177 | 0.1366125 | -0.536 | 0.592 | -0.099907577 | count | 1 |
| MTMR1 | -0.1255007 | 0.4745285 | -0.2645 | 0.791 | -0.099833091 | count | 1 |
| RPL13A | -0.0693768 | 0.0306549 | -2.2632 | 0.0237 | -0.099782167 | count | 1 |
| SPATA7 | -0.100575 | 0.3250568 | -0.3094 | 0.757 | -0.099589345 | count | 1 |
| AL078604.2 | -1.804128 | 2.070401 | -0.8714 | 0.3836 | -0.099576068 | count | 1 |
| BBS1 | -1.804128 | 1.276397 | -1.4135 | 0.158 | -0.099576068 | count | 1 |
| MCF2L | -1.804128 | 2.1522761 | -0.8382 | 0.402 | -0.099576068 | count | 1 |
| ISLR | -1.804128 | 2.1522761 | -0.8382 | 0.402 | -0.099576068 | count | 1 |
| TRPV4 | -0.3253277 | 0.4385241 | -0.7419 | 0.458 | -0.099530063 | count | 1 |
| MEI1 | -0.0931496 | 0.3879029 | -0.2401 | 0.81 | -0.099501983 | count | 1 |
| TANK | -0.0721054 | 0.1039948 | -0.6934 | 0.488 | -0.099421097 | count | 1 |
| BANK1 | -0.1655015 | 0.6230942 | -0.2656 | 0.791 | -0.099359768 | count | 1 |
| STAU2 | -0.0871954 | 0.3020579 | -0.2887 | 0.773 | -0.099245146 | count | 1 |
| ZNF649 | -0.0991946 | 0.3767816 | -0.2633 | 0.792 | -0.099241412 | count | 1 |
| ZMYND11 | -0.0851762 | 0.2676397 | -0.3182 | 0.75 | -0.099163497 | count | 1 |
| MICALL2 | -0.1757854 | 0.6782698 | -0.2592 | 0.796 | -0.09888239 | count | 1 |
| LDLRAD4 | -0.0726933 | 0.1943883 | -0.374 | 0.708 | -0.098805535 | count | 1 |
| C22orf34 | -0.1753417 | 1.0001479 | -0.1753 | 0.861 | -0.098642515 | count | 1 |
| UBE2J1 | -0.0703248 | 0.1051877 | -0.6686 | 0.504 | -0.098482453 | count | 1 |
| DUSP3 | -0.0720947 | 0.13379 | -0.5389 | 0.59 | -0.098262674 | count | 1 |
| ARL6IP5 | -0.0685651 | 0.0469154 | -1.4615 | 0.144 | -0.09818248 | count | 1 |
| AL031280.1 | -1.7382 | 1.121868 | -1.5494 | 0.121 | -0.098006921 | count | 1 |
| CPQ | -0.0705696 | 0.1083011 | -0.6516 | 0.515 | -0.097937523 | count | 1 |
| TMEM141 | -0.0703424 | 0.1131067 | -0.6219 | 0.534 | -0.097903566 | count | 1 |
| SRRM1 | -0.0685154 | 0.0563997 | -1.2148 | 0.2246 | -0.097855555 | count | 1 |
| DYNLRB1 | -0.0687715 | 0.0700609 | -0.9816 | 0.326 | -0.097575306 | count | 1 |
| ZCCHC10 | -0.0730323 | 0.1621004 | -0.4505 | 0.652 | -0.097528943 | count | 1 |
| NECTIN1 | -0.1460686 | 0.5860206 | -0.2493 | 0.803 | -0.097511527 | count | 1 |
| RBM28 | -0.0764933 | 0.234363 | -0.3264 | 0.744 | -0.097491204 | count | 1 |
| DRAM2 | -0.0692762 | 0.0800856 | -0.865 | 0.387 | -0.097447003 | count | 1 |
| CFL2 | -0.1295171 | 0.3429727 | -0.3776 | 0.706 | -0.097147286 | count | 1 |
| DARS-AS1 | -0.1527064 | 0.5577615 | -0.2738 | 0.784 | -0.097066775 | count | 1 |
| ELP1 | -0.1527064 | 0.529296 | -0.2885 | 0.773 | -0.097066775 | count | 1 |
| RNASE6 | -0.0683555 | 0.0718169 | -0.9518 | 0.341 | -0.096965167 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|-------|--------------|-------|---|
| PPDPF | -0.0677762 | 0.0734998 | -0.9221 | 0.357 | -0.096634782 | count | 1 |
| BLVRB | -0.0672344 | 0.0525882 | -1.2785 | 0.201 | -0.096629765 | count | 1 |
| HIST1H2AG | -0.6210416 | 0.8368133 | -0.7422 | 0.458 | -0.096597153 | count | 1 |
| ATG16L1 | -0.4088184 | 0.524926 | -0.7788 | 0.436 | -0.096588702 | count | 1 |
| RARS | -0.0771198 | 0.2020411 | -0.3817 | 0.703 | -0.096516885 | count | 1 |
| CEP104 | -0.0937756 | 0.2905324 | -0.3228 | 0.747 | -0.096481658 | count | 1 |
| AC026250.1 | -0.3143545 | 0.9668854 | -0.3251 | 0.745 | -0.096478658 | count | 1 |
| MS4A7 | -0.0671801 | 0.0575148 | -1.168 | 0.243 | -0.096466465 | count | 1 |
| ZNF213-AS1 | -0.1849294 | 0.6301497 | -0.2935 | 0.769 | -0.096454579 | count | 1 |
| AC010654.1 | -0.1179845 | 0.4338157 | -0.272 | 0.786 | -0.096366125 | count | 1 |
| RNF187 | -0.0717927 | 0.1501791 | -0.478 | 0.633 | -0.096351508 | count | 1 |
| C1orf159 | -0.1710122 | 0.4656247 | -0.3673 | 0.713 | -0.096299285 | count | 1 |
| HMMR | -0.1514051 | 0.7033762 | -0.2153 | 0.83 | -0.096265039 | count | 1 |
| C6orf203 | -0.0900398 | 0.3274864 | -0.2749 | 0.783 | -0.09620813 | count | 1 |
| CORO1B | -0.0684042 | 0.0934126 | -0.7323 | 0.464 | -0.096193596 | count | 1 |
| LINC00920 | -0.3127241 | 0.5694975 | -0.5491 | 0.583 | -0.096023482 | count | 1 |
| TRDMT1 | -0.0979844 | 0.3817496 | -0.2567 | 0.797 | -0.096015026 | count | 1 |
| ORC3 | -0.0807006 | 0.3153897 | -0.2559 | 0.798 | -0.096006302 | count | 1 |
| ZFYVE19 | -0.084238 | 0.3918071 | -0.215 | 0.83 | -0.095900638 | count | 1 |
| SAP18 | -0.0670125 | 0.0493353 | -1.3583 | 0.174 | -0.095864412 | count | 1 |
| LRR1 | -0.0807825 | 0.2863999 | -0.2821 | 0.778 | -0.095836446 | count | 1 |
| KHDRBS2 | -0.1699822 | 0.573863 | -0.2962 | 0.767 | -0.095741127 | count | 1 |
| FOXRED1 | -0.0895923 | 0.4640591 | -0.1931 | 0.847 | -0.095733982 | count | 1 |
| FAM89B | -0.0684173 | 0.1096182 | -0.6241 | 0.533 | -0.095306065 | count | 1 |
| ATP5IF1 | -0.0669679 | 0.0631664 | -1.0602 | 0.289 | -0.095047898 | count | 1 |
| LPXN | -0.0703245 | 0.1454397 | -0.4835 | 0.629 | -0.095013727 | count | 1 |
| CD1B | -1.619621 | 1.339221 | -1.2094 | 0.227 | -0.094932434 | count | 1 |
| TMEM219 | -0.0663171 | 0.0591816 | -1.1206 | 0.263 | -0.094624925 | count | 1 |
| URB2 | -0.1982408 | 0.620742 | -0.3194 | 0.749 | -0.094453946 | count | 1 |
| WDR5B | -0.1982408 | 0.6525112 | -0.3038 | 0.761 | -0.094453946 | count | 1 |
| MAGI2 | -0.1982408 | 0.6525112 | -0.3038 | 0.761 | -0.094453946 | count | 1 |
| FAM222A | -0.6034094 | 0.8691944 | -0.6942 | 0.488 | -0.094401067 | count | 1 |
| AL365361.1 | -0.306546 | 0.6694488 | -0.4579 | 0.647 | -0.094294457 | count | 1 |
| LAMTOR1 | -0.065956 | 0.0549704 | -1.1998 | 0.23 | -0.094293393 | count | 1 |
| FGFRL1 | -0.1410492 | 0.643055 | -0.2193 | 0.826 | -0.094252782 | count | 1 |
| TRAPPC2L | -0.0674894 | 0.1125003 | -0.5999 | 0.549 | -0.094145525 | count | 1 |
| AL590560.2 | -1.590985 | 1.229861 | -1.2936 | 0.196 | -0.094138296 | count | 1 |
| RAPGEF5 | -1.590985 | 1.229861 | -1.2936 | 0.196 | -0.094138296 | count | 1 |
| AC037487.2 | -0.253151 | 0.901589 | -0.2808 | 0.779 | -0.093749134 | count | 1 |
| TRMT12 | -0.1096088 | 0.4234117 | -0.2589 | 0.796 | -0.093699957 | count | 1 |
| CHMP1A | -0.0734965 | 0.2025923 | -0.3628 | 0.717 | -0.093683544 | count | 1 |
| AL356056.2 | -0.2194962 | 0.6961817 | -0.3153 | 0.753 | -0.093576429 | count | 1 |
| CLNK | -0.5962322 | 0.9236078 | -0.6455 | 0.519 | -0.09349872 | count | 1 |
| ZNF367 | -0.5962322 | 0.8566748 | -0.696 | 0.487 | -0.09349872 | count | 1 |
| HNRNPA3 | -0.0653578 | 0.05447 | -1.1999 | 0.23 | -0.093190451 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|--------|--------------|-------|---|
| SNRNP40 | -0.0705378 | 0.1592995 | -0.4428 | 0.658 | -0.093168131 | count | 1 |
| SNAP29 | -0.0686337 | 0.1306087 | -0.5255 | 0.599 | -0.093014024 | count | 1 |
| ABHD14B | -0.0692648 | 0.1524954 | -0.4542 | 0.65 | -0.092928786 | count | 1 |
| FBXO46 | -0.1195817 | 0.5223556 | -0.2289 | 0.819 | -0.092622943 | count | 1 |
| ELK1 | -0.0754501 | 0.2430582 | -0.3104 | 0.756 | -0.092156515 | count | 1 |
| PSMA4 | -0.0649869 | 0.0643044 | -1.0106 | 0.312 | -0.092144739 | count | 1 |
| OSBPL7 | -0.3871673 | 0.567326 | -0.6824 | 0.495 | -0.092084474 | count | 1 |
| CD180 | -0.0768796 | 0.2911618 | -0.264 | 0.792 | -0.091970893 | count | 1 |
| SEC24D | -0.0707607 | 0.2086794 | -0.3391 | 0.735 | -0.091871545 | count | 1 |
| PCYT1A | -0.0724556 | 0.1779357 | -0.4072 | 0.684 | -0.091815386 | count | 1 |
| OCIAD1 | -0.0647928 | 0.0726954 | -0.8913 | 0.373 | -0.091734745 | count | 1 |
| C1orf56 | -0.066042 | 0.1439001 | -0.4589 | 0.646 | -0.091363242 | count | 1 |
| ZMAT3 | -0.0865974 | 0.2990797 | -0.2895 | 0.772 | -0.091281258 | count | 1 |
| SMIM29 | -0.0664443 | 0.1343999 | -0.4944 | 0.621 | -0.091181136 | count | 1 |
| NPHP4 | -0.3820781 | 0.6221892 | -0.6141 | 0.539 | -0.091016099 | count | 1 |
| EXOSC6 | -0.0683687 | 0.2125652 | -0.3216 | 0.748 | -0.09097685 | count | 1 |
| TKTL2 | -1.48291 | 1.217315 | -1.2182 | 0.223 | -0.090947264 | count | 1 |
| AL512625.1 | -1.48291 | 1.066513 | -1.3904 | 0.165 | -0.090947264 | count | 1 |
| GINS3 | -1.48291 | 1.066513 | -1.3904 | 0.165 | -0.090947264 | count | 1 |
| GLO1 | -0.0687306 | 0.168392 | -0.4082 | 0.683 | -0.090939659 | count | 1 |
| CD274 | -0.381608 | 0.7090838 | -0.5382 | 0.591 | -0.090917189 | count | 1 |
| DNAJB12 | -0.0654431 | 0.109405 | -0.5982 | 0.55 | -0.090298193 | count | 1 |
| DBI | -0.0628183 | 0.0462537 | -1.3581 | 0.175 | -0.090240279 | count | 1 |
| ARCN1 | -0.0656788 | 0.1211639 | -0.5421 | 0.588 | -0.089867748 | count | 1 |
| RAB4A | -0.0660586 | 0.1201039 | -0.55 | 0.582 | -0.089823326 | count | 1 |
| MTMR2 | -0.1027907 | 0.3532646 | -0.291 | 0.771 | -0.08969696 | count | 1 |
| IGHG2 | -1.443018 | 0.6758587 | -2.1351 | 0.0329 | -0.08968815 | count | 1 |
| ZBTB41 | -0.0946305 | 0.2941167 | -0.3217 | 0.748 | -0.089456707 | count | 1 |
| RIDA | -0.0911981 | 0.2923257 | -0.312 | 0.755 | -0.089435227 | count | 1 |
| HMG5 | -0.104377 | 0.312374 | -0.3341 | 0.738 | -0.08929613 | count | 1 |
| MRPS21 | -0.06304 | 0.0743956 | -0.8474 | 0.397 | -0.089254147 | count | 1 |
| TSEN34 | -0.0631627 | 0.1007997 | -0.6266 | 0.531 | -0.088885372 | count | 1 |
| GRAMD4 | -0.0820007 | 0.2921026 | -0.2807 | 0.779 | -0.088805086 | count | 1 |
| MEIKIN | -0.3709514 | 0.7170702 | -0.5173 | 0.605 | -0.08866744 | count | 1 |
| ANO5 | -0.3709514 | 0.8120055 | -0.4568 | 0.648 | -0.08866744 | count | 1 |
| ITGA1 | -0.5581938 | 0.8188871 | -0.6816 | 0.496 | -0.088634017 | count | 1 |
| C6orf47 | -0.0723646 | 0.2272886 | -0.3184 | 0.75 | -0.088581428 | count | 1 |
| ATP2A3 | -0.0913449 | 0.4535282 | -0.2014 | 0.84 | -0.088564829 | count | 1 |
| MTERF2 | -0.1849105 | 0.6107387 | -0.3028 | 0.762 | -0.088388753 | count | 1 |
| CD2AP | -0.0675484 | 0.1766293 | -0.3824 | 0.702 | -0.088380225 | count | 1 |
| AC002310.1 | -0.369381 | 0.6742376 | -0.5478 | 0.584 | -0.088334536 | count | 1 |
| ATP5F1C | -0.0618903 | 0.0504038 | -1.2279 | 0.2196 | -0.088311645 | count | 1 |
| IDNK | -0.0733112 | 0.2862163 | -0.2561 | 0.798 | -0.088163595 | count | 1 |
| SYNCRIP | -0.0627514 | 0.0796212 | -0.7881 | 0.431 | -0.088029731 | count | 1 |
| TM2D1 | -0.0653388 | 0.1554778 | -0.4202 | 0.674 | -0.087836196 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|--------|--------------|-------|---|
| PALLD | -0.0728189 | 0.195391 | -0.3727 | 0.709 | -0.087785826 | count | 1 |
| DRAP1 | -0.0615575 | 0.0660845 | -0.9315 | 0.352 | -0.087701579 | count | 1 |
| CLEC2B | -0.0613764 | 0.0676145 | -0.9077 | 0.3641 | -0.08763607 | count | 1 |
| PRELID1 | -0.0611667 | 0.0495465 | -1.2345 | 0.217 | -0.087618867 | count | 1 |
| AC009088.1 | -1.378087 | 1.40928 | -0.9779 | 0.328 | -0.087539315 | count | 1 |
| VASH2 | -1.3780868 | 1.5622851 | -0.8821 | 0.3778 | -0.087539293 | count | 1 |
| GNPTAB | -0.0653274 | 0.1707289 | -0.3826 | 0.702 | -0.087333351 | count | 1 |
| LIG4 | -0.0815273 | 0.2679127 | -0.3043 | 0.761 | -0.087181669 | count | 1 |
| PYROXD1 | -0.0721083 | 0.2611891 | -0.2761 | 0.783 | -0.087137394 | count | 1 |
| SUCLG2 | -0.0678943 | 0.1596993 | -0.4251 | 0.671 | -0.087120404 | count | 1 |
| NUF2 | -1.365715 | 1.0895615 | -1.2535 | 0.21 | -0.08711547 | count | 1 |
| MANEAL | -0.5460932 | 1.1315662 | -0.4826 | 0.629 | -0.087057184 | count | 1 |
| CD160 | -0.5460932 | 1.1315662 | -0.4826 | 0.629 | -0.087057184 | count | 1 |
| C2orf81 | -0.5460932 | 1.1315662 | -0.4826 | 0.629 | -0.087057184 | count | 1 |
| CDCA7 | -0.5460932 | 1.1933187 | -0.4576 | 0.647 | -0.087057184 | count | 1 |
| PLK4 | -0.5460932 | 1.1315662 | -0.4826 | 0.629 | -0.087057184 | count | 1 |
| AC091982.3 | -0.5460932 | 1.1933187 | -0.4576 | 0.647 | -0.087057184 | count | 1 |
| GET4 | -0.5460932 | 1.1315662 | -0.4826 | 0.629 | -0.087057184 | count | 1 |
| AC068389.4 | -0.5460932 | 1.1315662 | -0.4826 | 0.629 | -0.087057184 | count | 1 |
| PPP1R32 | -0.5460932 | 1.4322371 | -0.3813 | 0.703 | -0.087057184 | count | 1 |
| TESPA1 | -0.5460932 | 1.1315662 | -0.4826 | 0.629 | -0.087057184 | count | 1 |
| PCDH9 | -0.5460932 | 1.1315662 | -0.4826 | 0.629 | -0.087057184 | count | 1 |
| TOMM20L | -0.5460932 | 1.1315662 | -0.4826 | 0.629 | -0.087057184 | count | 1 |
| CARD14 | -0.5460932 | 1.1933187 | -0.4576 | 0.647 | -0.087057184 | count | 1 |
| FBXO15 | -0.5460932 | 1.1315662 | -0.4826 | 0.629 | -0.087057184 | count | 1 |
| SH2D3A | -0.5460932 | 1.1315662 | -0.4826 | 0.629 | -0.087057184 | count | 1 |
| EPHX3 | -0.5460932 | 1.1315662 | -0.4826 | 0.629 | -0.087057184 | count | 1 |
| MRPS11 | -0.0652455 | 0.177181 | -0.3682 | 0.713 | -0.087031747 | count | 1 |
| GCSH | -0.074214 | 0.277706 | -0.2672 | 0.789 | -0.086466859 | count | 1 |
| C1R | -0.2017519 | 0.6328498 | -0.3188 | 0.75 | -0.086403382 | count | 1 |
| PKP2 | -0.2314736 | 0.3713621 | -0.6233 | 0.533 | -0.086226063 | count | 1 |
| NUP62 | -0.0641704 | 0.2155615 | -0.2977 | 0.766 | -0.085968316 | count | 1 |
| FMN1 | -0.0721875 | 0.2062238 | -0.35 | 0.726 | -0.085924673 | count | 1 |
| CX3CL1 | -1.331068 | 1.710024 | -0.7784 | 0.436 | -0.085903338 | count | 1 |
| NUCB1 | -0.0613091 | 0.0861658 | -0.7115 | 0.477 | -0.085729775 | count | 1 |
| ZC3H13 | -0.0616545 | 0.1109223 | -0.5558 | 0.578 | -0.085603575 | count | 1 |
| LGALSL | -1.320787 | 1.0194426 | -1.2956 | 0.195 | -0.085536371 | count | 1 |
| ZNF662 | -1.320787 | 1.822703 | -0.7246 | 0.469 | -0.085536371 | count | 1 |
| DLL1 | -1.320787 | 1.716973 | -0.7693 | 0.442 | -0.085536371 | count | 1 |
| AC007541.1 | -1.320787 | 1.0194426 | -1.2956 | 0.195 | -0.085536371 | count | 1 |
| SIGIRR | -0.0612985 | 0.1023183 | -0.5991 | 0.549 | -0.085341986 | count | 1 |
| FAM136A | -0.0633473 | 0.163671 | -0.387 | 0.699 | -0.085316121 | count | 1 |
| RAB31 | -0.0599875 | 0.0710028 | -0.8449 | 0.398 | -0.08488848 | count | 1 |
| KRAS | -0.0604158 | 0.0977117 | -0.6183 | 0.536 | -0.084845144 | count | 1 |
| PTOV1-AS1 | -0.197832 | 0.7810773 | -0.2533 | 0.8 | -0.084809438 | count | 1 |

| | | | | | | | |
|-------------|------------|-----------|---------|-------|--------------|-------|---|
| ADARB1 | -0.1035814 | 0.4238302 | -0.2444 | 0.807 | -0.08479282 | count | 1 |
| HYAL3 | -0.2723828 | 0.7771218 | -0.3505 | 0.726 | -0.08461228 | count | 1 |
| 2-Sep | -0.060372 | 0.0885524 | -0.6818 | 0.495 | -0.084547943 | count | 1 |
| TFB1M | -0.0860579 | 0.3654558 | -0.2355 | 0.814 | -0.084444332 | count | 1 |
| AC068768.1 | -1.290037 | 1.056757 | -1.2208 | 0.222 | -0.084418626 | count | 1 |
| BRD9 | -0.0684636 | 0.2180997 | -0.3139 | 0.754 | -0.084308489 | count | 1 |
| TMEM223 | -0.0653775 | 0.2283064 | -0.2864 | 0.775 | -0.084228665 | count | 1 |
| NBDY | -0.0602895 | 0.0957609 | -0.6296 | 0.529 | -0.084087897 | count | 1 |
| DVL2 | -0.0901072 | 0.5343651 | -0.1686 | 0.866 | -0.084070579 | count | 1 |
| CERS4 | -0.0901072 | 0.365826 | -0.2463 | 0.805 | -0.084070579 | count | 1 |
| ZNF653 | -0.3461478 | 0.9146036 | -0.3785 | 0.705 | -0.083368245 | count | 1 |
| FAM50B | -0.0905648 | 0.4286088 | -0.2113 | 0.833 | -0.083266956 | count | 1 |
| GPATCH11 | -0.0621057 | 0.1603124 | -0.3874 | 0.698 | -0.083206657 | count | 1 |
| MRPL28 | -0.0600531 | 0.1197238 | -0.5016 | 0.616 | -0.08310689 | count | 1 |
| SHTN1 | -0.0592481 | 0.0858847 | -0.6899 | 0.49 | -0.083083847 | count | 1 |
| CDK2 | -0.0990745 | 0.5193012 | -0.1908 | 0.849 | -0.083048992 | count | 1 |
| RNF13 | -0.058233 | 0.0683012 | -0.8526 | 0.394 | -0.082875124 | count | 1 |
| TWF1 | -0.0637232 | 0.1781407 | -0.3577 | 0.721 | -0.082822572 | count | 1 |
| ST3GAL4 | -0.0790666 | 0.3412339 | -0.2317 | 0.817 | -0.082785729 | count | 1 |
| TEPSIN | -0.0982485 | 0.3632878 | -0.2704 | 0.787 | -0.082366845 | count | 1 |
| IQCIN | -0.1175369 | 0.914481 | -0.1285 | 0.898 | -0.082282734 | count | 1 |
| DCUN1D5 | -0.0622431 | 0.1999432 | -0.3113 | 0.756 | -0.082185504 | count | 1 |
| TMEM11 | -0.0658455 | 0.2494134 | -0.264 | 0.792 | -0.082073011 | count | 1 |
| MAPKAPK2 | -0.0613993 | 0.1604836 | -0.3826 | 0.702 | -0.081796393 | count | 1 |
| GABPB1 | -0.0701671 | 0.2574876 | -0.2725 | 0.785 | -0.08177463 | count | 1 |
| SNRPN | -0.0617814 | 0.1690335 | -0.3655 | 0.715 | -0.081481103 | count | 1 |
| ZNF226 | -0.0673661 | 0.2586521 | -0.2605 | 0.795 | -0.081429272 | count | 1 |
| SLC16A1-AS1 | -0.099342 | 0.4233398 | -0.2347 | 0.814 | -0.081376032 | count | 1 |
| MMEL1 | -0.5011557 | 0.6648347 | -0.7538 | 0.451 | -0.0810758 | count | 1 |
| CMPK1 | -0.0589505 | 0.120122 | -0.4908 | 0.624 | -0.081009878 | count | 1 |
| PARP4 | -0.0616409 | 0.1907738 | -0.3231 | 0.747 | -0.08099391 | count | 1 |
| GART | -0.0646646 | 0.2184128 | -0.2961 | 0.767 | -0.080976861 | count | 1 |
| HNRNPAB | -0.056701 | 0.0699466 | -0.8106 | 0.418 | -0.080676245 | count | 1 |
| NMRK1 | -0.0624536 | 0.2030389 | -0.3076 | 0.758 | -0.080620552 | count | 1 |
| UBE2E2 | -0.0592482 | 0.1489699 | -0.3977 | 0.691 | -0.080594893 | count | 1 |
| UBA6 | -0.0613999 | 0.2248689 | -0.273 | 0.785 | -0.08057215 | count | 1 |
| AC090198.1 | -1.18366 | 1.182579 | -1.0009 | 0.317 | -0.080308989 | count | 1 |
| RMRP | -1.18366 | 1.1067293 | -1.0695 | 0.285 | -0.080308989 | count | 1 |
| KDELCL1 | -1.18366 | 1.365757 | -0.8667 | 0.386 | -0.080308989 | count | 1 |
| AC022098.4 | -1.18366 | 1.1067293 | -1.0695 | 0.285 | -0.080308989 | count | 1 |
| DAP3 | -0.0595611 | 0.1398995 | -0.4257 | 0.67 | -0.080224093 | count | 1 |
| EFCAB11 | -0.0800158 | 0.403291 | -0.1984 | 0.843 | -0.080222747 | count | 1 |
| AC244090.1 | -0.0609018 | 0.1744813 | -0.349 | 0.727 | -0.080176823 | count | 1 |
| ALKBH7 | -0.0564498 | 0.0673943 | -0.8376 | 0.402 | -0.080093783 | count | 1 |
| VRK3 | -0.064136 | 0.2408837 | -0.2663 | 0.79 | -0.080073989 | count | 1 |

| | | | | | | | |
|-----------|------------|-----------|---------|-------|--------------|-------|---|
| GPATCH2L | -0.0600167 | 0.1592022 | -0.377 | 0.706 | -0.080031777 | count | 1 |
| LINC01637 | -0.067949 | 0.277053 | -0.2453 | 0.806 | -0.079969605 | count | 1 |
| URB1-AS1 | -0.0692315 | 0.3300137 | -0.2098 | 0.834 | -0.079837309 | count | 1 |
| USP40 | -0.0929935 | 0.5684897 | -0.1636 | 0.87 | -0.079689908 | count | 1 |
| MOK | -0.0970797 | 0.5840669 | -0.1662 | 0.868 | -0.079550799 | count | 1 |
| C7orf31 | -0.139634 | 0.4736242 | -0.2948 | 0.768 | -0.079175019 | count | 1 |
| EEF2KMT | -0.084775 | 0.3958246 | -0.2142 | 0.83 | -0.079149074 | count | 1 |
| MVB12A | -0.0589263 | 0.1530536 | -0.385 | 0.7 | -0.079109189 | count | 1 |
| TSTD1 | -0.0572103 | 0.1494192 | -0.3829 | 0.702 | -0.078983076 | count | 1 |
| PSENE1 | -0.0560039 | 0.0793314 | -0.7059 | 0.48 | -0.078959632 | count | 1 |
| SRP19 | -0.0567036 | 0.1268124 | -0.4471 | 0.655 | -0.078926991 | count | 1 |
| RSRC1 | -0.0576904 | 0.1284896 | -0.449 | 0.653 | -0.078865805 | count | 1 |
| AGPAT2 | -0.0562897 | 0.1095422 | -0.5139 | 0.607 | -0.078808248 | count | 1 |
| ZNF407 | -0.0725898 | 0.3600949 | -0.2016 | 0.84 | -0.078679406 | count | 1 |
| IRAK1BP1 | -0.4830433 | 0.8684696 | -0.5562 | 0.578 | -0.0786084 | count | 1 |
| NLGN2 | -0.4830433 | 1.022004 | -0.4726 | 0.637 | -0.0786084 | count | 1 |
| ZDHHC16 | -0.0674364 | 0.4371769 | -0.1543 | 0.877 | -0.078606964 | count | 1 |
| HERC5 | -0.0582924 | 0.1981301 | -0.2942 | 0.769 | -0.078571928 | count | 1 |
| HDDC2 | -0.0593642 | 0.1744301 | -0.3403 | 0.734 | -0.078436248 | count | 1 |
| GAA | -0.0559252 | 0.0816092 | -0.6853 | 0.493 | -0.078422053 | count | 1 |
| NEAT1 | -0.0542909 | 0.0679141 | -0.7994 | 0.424 | -0.078223551 | count | 1 |
| SOWAHD | -0.0674565 | 0.3265111 | -0.2066 | 0.836 | -0.078085037 | count | 1 |
| VPS29 | -0.0547236 | 0.0583813 | -0.9373 | 0.349 | -0.078066912 | count | 1 |
| SLC22A15 | -0.0784981 | 0.4445643 | -0.1766 | 0.86 | -0.077922201 | count | 1 |
| RPS6KA1 | -0.0625033 | 0.192261 | -0.3251 | 0.745 | -0.077919801 | count | 1 |
| CLCN2 | -0.4776356 | 0.9064438 | -0.5269 | 0.598 | -0.077865364 | count | 1 |
| SLC9B2 | -0.4776356 | 0.8144097 | -0.5865 | 0.558 | -0.077865364 | count | 1 |
| NANOS1 | -0.4776356 | 0.7706077 | -0.6198 | 0.535 | -0.077865364 | count | 1 |
| COG8 | -0.4776356 | 0.7396663 | -0.6457 | 0.519 | -0.077865364 | count | 1 |
| LAMTOR2 | -0.0547192 | 0.0628864 | -0.8701 | 0.384 | -0.077802554 | count | 1 |
| SCAMP1 | -0.059267 | 0.1709094 | -0.3468 | 0.729 | -0.077673864 | count | 1 |
| RRM1 | -0.0753364 | 0.3071167 | -0.2453 | 0.806 | -0.077657531 | count | 1 |
| B3GALT4 | -0.0612879 | 0.2338202 | -0.2621 | 0.793 | -0.077505773 | count | 1 |
| P3H3 | -1.115414 | 1.260005 | -0.8852 | 0.376 | -0.077463594 | count | 1 |
| TSPAN31 | -0.0608507 | 0.1856542 | -0.3278 | 0.743 | -0.077148675 | count | 1 |
| PLA2G2D | -0.3173819 | 0.6336122 | -0.5009 | 0.616 | -0.077111928 | count | 1 |
| ASTN2 | -1.1016767 | 1.373904 | -0.8019 | 0.423 | -0.076870124 | count | 1 |
| RNF212 | -0.1054756 | 0.6498092 | -0.1623 | 0.871 | -0.076821947 | count | 1 |
| COMMD4 | -0.0555652 | 0.1350911 | -0.4113 | 0.681 | -0.076799678 | count | 1 |
| ACTR6 | -0.0591205 | 0.2127625 | -0.2779 | 0.781 | -0.076727371 | count | 1 |
| GLB1L | -0.066646 | 0.3319539 | -0.2008 | 0.841 | -0.076580278 | count | 1 |
| SF3B6 | -0.05394 | 0.0730916 | -0.738 | 0.461 | -0.076549436 | count | 1 |
| ABCD4 | -0.0612947 | 0.2721051 | -0.2253 | 0.822 | -0.076295663 | count | 1 |
| CAPN10-DT | -0.1087336 | 0.5908926 | -0.184 | 0.854 | -0.076243964 | count | 1 |
| HSD11B1L | -0.0888635 | 0.4496601 | -0.1976 | 0.843 | -0.076196537 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|--------|--------------|-------|---|
| MTFR1L | -0.0611058 | 0.2782897 | -0.2196 | 0.826 | -0.076182777 | count | 1 |
| SNHG25 | -0.0738771 | 0.4402542 | -0.1678 | 0.867 | -0.076164626 | count | 1 |
| GTF2IRD2 | -0.1339656 | 0.5181295 | -0.2586 | 0.796 | -0.076055105 | count | 1 |
| ANPEP | -0.0538947 | 0.1178957 | -0.4571 | 0.648 | -0.075990153 | count | 1 |
| RIC8B | -0.1006713 | 0.8193734 | -0.1229 | 0.902 | -0.075887757 | count | 1 |
| METTL6 | -0.0676234 | 0.3263532 | -0.2072 | 0.836 | -0.075729755 | count | 1 |
| EEF1B2 | -0.0525599 | 0.034231 | -1.5354 | 0.125 | -0.075592959 | count | 1 |
| SLC20A2 | -0.076097 | 0.3328644 | -0.2286 | 0.819 | -0.075558971 | count | 1 |
| YWHAE | -0.0529567 | 0.0595503 | -0.8893 | 0.374 | -0.07547222 | count | 1 |
| ARHGEF6 | -0.060209 | 0.1721484 | -0.3498 | 0.727 | -0.07506797 | count | 1 |
| AC073332.1 | -0.0655018 | 0.3572786 | -0.1833 | 0.855 | -0.074978429 | count | 1 |
| POLR1E | -0.0874084 | 0.4223709 | -0.2069 | 0.836 | -0.074964701 | count | 1 |
| AC005229.4 | -0.099347 | 0.55664 | -0.1785 | 0.858 | -0.074906464 | count | 1 |
| EXOSC9 | -0.0593923 | 0.2336841 | -0.2542 | 0.799 | -0.074714124 | count | 1 |
| NUP160 | -0.0705725 | 0.2977661 | -0.237 | 0.813 | -0.074504655 | count | 1 |
| ALOX5 | -0.0530891 | 0.1016781 | -0.5221 | 0.602 | -0.074382983 | count | 1 |
| HGS | -0.0601913 | 0.2572421 | -0.234 | 0.815 | -0.074153778 | count | 1 |
| ZNF160 | -0.0666761 | 0.2923637 | -0.2281 | 0.82 | -0.07393947 | count | 1 |
| ASMTL-AS1 | -1.035722 | 0.916086 | -1.1306 | 0.258 | -0.073920981 | count | 1 |
| COL14A1 | -1.035198 | 0.8560716 | -1.2092 | 0.227 | -0.073896865 | count | 1 |
| SEC23IP | -0.0677225 | 0.2558133 | -0.2647 | 0.791 | -0.073872385 | count | 1 |
| AL158850.1 | -1.03373 | 1.200626 | -0.861 | 0.389 | -0.073829297 | count | 1 |
| AL158071.4 | -1.03373 | 1.139308 | -0.9073 | 0.364 | -0.073829297 | count | 1 |
| NHLRC4 | -1.03373 | 1.200626 | -0.861 | 0.389 | -0.073829297 | count | 1 |
| TMEM179B | -0.0520359 | 0.0769044 | -0.6766 | 0.499 | -0.073750503 | count | 1 |
| CTDNBP1 | -0.05223 | 0.0808003 | -0.6464 | 0.518 | -0.07371289 | count | 1 |
| TNRC6B | -0.053762 | 0.1160832 | -0.4631 | 0.643 | -0.073623259 | count | 1 |
| NDUFA13 | -0.0527737 | 0.0997498 | -0.5291 | 0.597 | -0.073567675 | count | 1 |
| PRKRA | -0.0576829 | 0.1917119 | -0.3009 | 0.764 | -0.073491402 | count | 1 |
| STUB1 | -0.0522028 | 0.0918933 | -0.5681 | 0.57 | -0.073431586 | count | 1 |
| H1FO | -0.0528162 | 0.1538042 | -0.3434 | 0.731 | -0.073395395 | count | 1 |
| SNHG12 | -0.0558748 | 0.1893675 | -0.2951 | 0.768 | -0.073383245 | count | 1 |
| MOCS2 | -0.0583517 | 0.2032717 | -0.2871 | 0.774 | -0.073305461 | count | 1 |
| PON2 | -0.0642692 | 0.2113806 | -0.304 | 0.761 | -0.073277509 | count | 1 |
| AP001462.1 | -0.2331677 | 0.7354827 | -0.317 | 0.751 | -0.073244522 | count | 1 |
| PIGP | -0.0541405 | 0.1465847 | -0.3693 | 0.712 | -0.073243149 | count | 1 |
| ELAVL1 | -0.0545761 | 0.139597 | -0.391 | 0.696 | -0.073191362 | count | 1 |
| NDUFB11 | -0.0511562 | 0.0491204 | -1.0414 | 0.298 | -0.07317893 | count | 1 |
| FAN1 | -0.2329326 | 0.6040109 | -0.3856 | 0.7 | -0.073175548 | count | 1 |
| SLC25A33 | -0.057771 | 0.1860483 | -0.3105 | 0.756 | -0.073162555 | count | 1 |
| SYVN1 | -0.0806816 | 0.3586048 | -0.225 | 0.822 | -0.073125036 | count | 1 |
| AC005332.5 | -0.11397 | 0.5619345 | -0.2028 | 0.839 | -0.073011387 | count | 1 |
| MORF4L1 | -0.0510145 | 0.0506111 | -1.008 | 0.3136 | -0.072909704 | count | 1 |
| KNL1 | -1.013863 | 0.7079191 | -1.4322 | 0.152 | -0.072906185 | count | 1 |
| NDUFA8 | -0.0529455 | 0.1174457 | -0.4508 | 0.652 | -0.072899925 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|--------|--------------|-------|---|
| NUDCD2 | -0.0539112 | 0.1484791 | -0.3631 | 0.717 | -0.072888146 | count | 1 |
| POLD2 | -0.0589516 | 0.2728585 | -0.2161 | 0.829 | -0.072763998 | count | 1 |
| ABCA5 | -0.1133412 | 0.5156607 | -0.2198 | 0.826 | -0.072617675 | count | 1 |
| AAMP | -0.0536487 | 0.1338669 | -0.4008 | 0.689 | -0.072510884 | count | 1 |
| HSBP1 | -0.0507387 | 0.0591936 | -0.8572 | 0.391 | -0.072446455 | count | 1 |
| ERGIC2 | -0.0538786 | 0.1348956 | -0.3994 | 0.69 | -0.072423505 | count | 1 |
| CYLD | -0.0535029 | 0.1509777 | -0.3544 | 0.723 | -0.072244587 | count | 1 |
| LINC01303 | -0.0809847 | 0.4502139 | -0.1799 | 0.857 | -0.072177164 | count | 1 |
| CNOT6L | -0.0547841 | 0.1522818 | -0.3598 | 0.719 | -0.072136684 | count | 1 |
| SLC25A29 | -0.0639419 | 0.38556 | -0.1658 | 0.868 | -0.071963107 | count | 1 |
| PAIP2B | -0.2933049 | 0.7416491 | -0.3955 | 0.693 | -0.071783494 | count | 1 |
| ALDH18A1 | -0.2933049 | 0.7416491 | -0.3955 | 0.693 | -0.071783494 | count | 1 |
| AC018362.1 | -0.2933049 | 0.7567711 | -0.3876 | 0.698 | -0.071783494 | count | 1 |
| MAD2L1BP | -0.0551911 | 0.2684155 | -0.2056 | 0.837 | -0.071637826 | count | 1 |
| COL4A3BP | -0.0515795 | 0.1101619 | -0.4682 | 0.64 | -0.071460425 | count | 1 |
| SCP2 | -0.0505707 | 0.0786089 | -0.6433 | 0.52 | -0.071143537 | count | 1 |
| METTL23 | -0.052463 | 0.1563345 | -0.3356 | 0.737 | -0.071040815 | count | 1 |
| FBNP1 | -0.0513537 | 0.0991536 | -0.5179 | 0.605 | -0.071030753 | count | 1 |
| FUBP1 | -0.0535267 | 0.1455326 | -0.3678 | 0.713 | -0.070969503 | count | 1 |
| MTIF3 | -0.0508518 | 0.1047012 | -0.4857 | 0.627 | -0.070896319 | count | 1 |
| TCEANC2 | -0.1053226 | 0.4420618 | -0.2383 | 0.812 | -0.070865955 | count | 1 |
| ITGAX | -0.0501078 | 0.0951875 | -0.5264 | 0.599 | -0.070791545 | count | 1 |
| DCTN3 | -0.0504039 | 0.0838404 | -0.6012 | 0.548 | -0.070768617 | count | 1 |
| PIP4K2C | -0.134062 | 0.5386796 | -0.2489 | 0.803 | -0.070746796 | count | 1 |
| ACTG1 | -0.0490956 | 0.0344615 | -1.4247 | 0.1544 | -0.070718921 | count | 1 |
| MTMR9 | -0.0608724 | 0.2682633 | -0.2269 | 0.821 | -0.070239687 | count | 1 |
| NAPA | -0.0502823 | 0.1023287 | -0.4914 | 0.623 | -0.070235296 | count | 1 |
| PCNT | -0.0612662 | 0.281617 | -0.2176 | 0.828 | -0.070151929 | count | 1 |
| MCMBP | -0.0571274 | 0.2004577 | -0.285 | 0.776 | -0.070124595 | count | 1 |
| ACOT9 | -0.0508894 | 0.1353652 | -0.3759 | 0.707 | -0.070115951 | count | 1 |
| CEP152 | -0.0760513 | 0.4787194 | -0.1589 | 0.874 | -0.070054739 | count | 1 |
| HORMAD1 | -0.9527278 | 1.0736556 | -0.8874 | 0.375 | -0.069965593 | count | 1 |
| AC073046.1 | -0.9527278 | 1.0736556 | -0.8874 | 0.375 | -0.069965593 | count | 1 |
| AC137630.2 | -0.9527278 | 1.0736556 | -0.8874 | 0.375 | -0.069965593 | count | 1 |
| DEPDC1B | -0.9527278 | 1.0736556 | -0.8874 | 0.375 | -0.069965593 | count | 1 |
| MTBP | -0.9527278 | 1.0736556 | -0.8874 | 0.375 | -0.069965593 | count | 1 |
| AL354733.3 | -0.9527278 | 1.0736556 | -0.8874 | 0.375 | -0.069965593 | count | 1 |
| EXPH5 | -0.9527278 | 1.515811 | -0.6285 | 0.53 | -0.069965593 | count | 1 |
| PSD | -0.9527278 | 1.1635679 | -0.8188 | 0.413 | -0.069965593 | count | 1 |
| AC069209.1 | -0.9527278 | 1.0736556 | -0.8874 | 0.375 | -0.069965593 | count | 1 |
| AC015967.1 | -0.9527278 | 1.0736556 | -0.8874 | 0.375 | -0.069965593 | count | 1 |
| LPIN3 | -0.9527278 | 1.643165 | -0.5798 | 0.562 | -0.069965593 | count | 1 |
| AC005944.1 | -0.9527278 | 1.0736556 | -0.8874 | 0.375 | -0.069965593 | count | 1 |
| LINC01694 | -0.9527278 | 1.515811 | -0.6285 | 0.53 | -0.069965593 | count | 1 |
| METAP2 | -0.0504305 | 0.1147499 | -0.4395 | 0.66 | -0.069936136 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|--------|--------------|-------|---|
| FAM199X | -0.0555805 | 0.2295604 | -0.2421 | 0.809 | -0.069931136 | count | 1 |
| SLC2A14 | -0.9508769 | 0.8186868 | -1.1615 | 0.246 | -0.069874168 | count | 1 |
| WASL | -0.0521038 | 0.1958422 | -0.266 | 0.79 | -0.069852354 | count | 1 |
| PTAFR | -0.0496599 | 0.1021832 | -0.486 | 0.627 | -0.069776548 | count | 1 |
| MRPL22 | -0.0515297 | 0.1546689 | -0.3332 | 0.739 | -0.069672065 | count | 1 |
| UBE3A | -0.050885 | 0.1352709 | -0.3762 | 0.707 | -0.069556339 | count | 1 |
| FAM228B | -0.0584575 | 0.2437412 | -0.2398 | 0.81 | -0.069449488 | count | 1 |
| AC127496.5 | -0.1438359 | 0.8856267 | -0.1624 | 0.871 | -0.069438691 | count | 1 |
| DYNC1LI1 | -0.0499316 | 0.1011277 | -0.4937 | 0.622 | -0.069425091 | count | 1 |
| CMSS1 | -0.0596531 | 0.2733682 | -0.2182 | 0.827 | -0.069334263 | count | 1 |
| CUL3 | -0.0518851 | 0.1665956 | -0.3114 | 0.755 | -0.069296951 | count | 1 |
| SMPD1 | -0.0662997 | 0.3425961 | -0.1935 | 0.847 | -0.068966594 | count | 1 |
| ATP5MF | -0.048322 | 0.0504331 | -0.9581 | 0.3381 | -0.06894338 | count | 1 |
| AC078883.1 | -0.0820204 | 0.5605313 | -0.1463 | 0.884 | -0.068929417 | count | 1 |
| ID2 | -0.0488373 | 0.0963844 | -0.5067 | 0.612 | -0.068731519 | count | 1 |
| CDC73 | -0.050505 | 0.1349349 | -0.3743 | 0.708 | -0.068731283 | count | 1 |
| SIGLEC11 | -0.2177667 | 0.550637 | -0.3955 | 0.693 | -0.068705546 | count | 1 |
| CD164 | -0.0482772 | 0.0657317 | -0.7345 | 0.463 | -0.068627755 | count | 1 |
| ABHD4 | -0.129747 | 0.5845503 | -0.222 | 0.824 | -0.068537014 | count | 1 |
| FBXO28 | -0.0578154 | 0.2467979 | -0.2343 | 0.815 | -0.068494462 | count | 1 |
| ZNF554 | -0.410404 | 0.7278428 | -0.5639 | 0.573 | -0.068380186 | count | 1 |
| ZNF17 | -0.410404 | 0.6369471 | -0.6443 | 0.519 | -0.068380186 | count | 1 |
| EHD4 | -0.0499285 | 0.1254379 | -0.398 | 0.691 | -0.068322403 | count | 1 |
| NOCT | -0.0534432 | 0.2386187 | -0.224 | 0.823 | -0.067943174 | count | 1 |
| VDAC2 | -0.0476273 | 0.0588041 | -0.8099 | 0.418 | -0.067876987 | count | 1 |
| ARF1 | -0.0474845 | 0.04618 | -1.0282 | 0.3039 | -0.067859607 | count | 1 |
| NDUFA6 | -0.0478952 | 0.0752584 | -0.6364 | 0.525 | -0.067849388 | count | 1 |
| RPS20 | -0.0472734 | 0.0340892 | -1.3868 | 0.166 | -0.067835526 | count | 1 |
| NABP1 | -0.0481454 | 0.1042795 | -0.4617 | 0.644 | -0.067817917 | count | 1 |
| RIOK3 | -0.048433 | 0.1041471 | -0.465 | 0.642 | -0.067719711 | count | 1 |
| BRIX1 | -0.0536148 | 0.2412477 | -0.2222 | 0.824 | -0.067647889 | count | 1 |
| MRPS12 | -0.0488736 | 0.1291029 | -0.3786 | 0.705 | -0.067602823 | count | 1 |
| IFIH1 | -0.0561007 | 0.1884354 | -0.2977 | 0.766 | -0.067535323 | count | 1 |
| AC005162.3 | -0.9044556 | 0.7673943 | -1.1786 | 0.239 | -0.067533963 | count | 1 |
| PAK3 | -0.9044556 | 0.9356897 | -0.9666 | 0.334 | -0.067533963 | count | 1 |
| TRIM58 | -0.2133296 | 1.872474 | -0.1139 | 0.909 | -0.067390035 | count | 1 |
| AC008443.5 | -0.2133296 | 1.119772 | -0.1905 | 0.849 | -0.067390035 | count | 1 |
| WASF1 | -0.2133296 | 1.119772 | -0.1905 | 0.849 | -0.067390035 | count | 1 |
| AC087672.2 | -0.2133296 | 1.119772 | -0.1905 | 0.849 | -0.067390035 | count | 1 |
| ZNF202 | -0.2133296 | 1.119772 | -0.1905 | 0.849 | -0.067390035 | count | 1 |
| LINC00167 | -0.2133296 | 1.872474 | -0.1139 | 0.909 | -0.067390035 | count | 1 |
| NUAK1 | -0.2133296 | 1.0960392 | -0.1946 | 0.846 | -0.067390035 | count | 1 |
| AL161772.1 | -0.2133296 | 1.0960392 | -0.1946 | 0.846 | -0.067390035 | count | 1 |
| KDM8 | -0.2133296 | 1.2764278 | -0.1671 | 0.867 | -0.067390035 | count | 1 |
| AC004771.1 | -0.2133296 | 1.2764278 | -0.1671 | 0.867 | -0.067390035 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|--------|--------------|-------|---|
| AC011498.4 | -0.2133296 | 1.0960392 | -0.1946 | 0.846 | -0.067390035 | count | 1 |
| ARHGEF18 | -0.2133296 | 1.2764278 | -0.1671 | 0.867 | -0.067390035 | count | 1 |
| LINC00665 | -0.2133296 | 1.0960392 | -0.1946 | 0.846 | -0.067390035 | count | 1 |
| AC008440.2 | -0.2133296 | 1.2764278 | -0.1671 | 0.867 | -0.067390035 | count | 1 |
| AC002470.1 | -0.2133296 | 1.119772 | -0.1905 | 0.849 | -0.067390035 | count | 1 |
| RNF227 | -0.2734408 | 0.4926659 | -0.555 | 0.579 | -0.067323988 | count | 1 |
| TRIM33 | -0.050403 | 0.2027009 | -0.2487 | 0.804 | -0.067071263 | count | 1 |
| UFM1 | -0.0479097 | 0.1120572 | -0.4275 | 0.669 | -0.067063756 | count | 1 |
| CCDC124 | -0.0482307 | 0.1099188 | -0.4388 | 0.661 | -0.06699189 | count | 1 |
| BUB3 | -0.0486376 | 0.1304579 | -0.3728 | 0.709 | -0.066777998 | count | 1 |
| SLC35A5 | -0.0736017 | 0.2666267 | -0.276 | 0.783 | -0.066770934 | count | 1 |
| LIMK1 | -0.0615055 | 0.2643112 | -0.2327 | 0.816 | -0.066730804 | count | 1 |
| ARHGEF35 | -0.8875695 | 0.8301569 | -1.0692 | 0.285 | -0.066659842 | count | 1 |
| AEBP1 | -0.1531528 | 0.611845 | -0.2503 | 0.802 | -0.066402962 | count | 1 |
| SLC35B4 | -0.0564702 | 0.3042386 | -0.1856 | 0.853 | -0.066303906 | count | 1 |
| SF3B4 | -0.0490245 | 0.1428014 | -0.3433 | 0.731 | -0.066204191 | count | 1 |
| BBS10 | -0.3946516 | 0.8212829 | -0.4805 | 0.631 | -0.066090828 | count | 1 |
| RSPH3 | -0.0550785 | 0.2815313 | -0.1956 | 0.845 | -0.065977847 | count | 1 |
| MRPL12 | -0.0482082 | 0.1504839 | -0.3204 | 0.749 | -0.065914804 | count | 1 |
| ITFG2-AS1 | -0.1518701 | 0.6441771 | -0.2358 | 0.814 | -0.065868055 | count | 1 |
| AC022211.2 | -0.8711115 | 1.25031 | -0.6967 | 0.486 | -0.065795931 | count | 1 |
| CD79A | -0.8711115 | 1.210499 | -0.7196 | 0.472 | -0.065795931 | count | 1 |
| AC009061.2 | -0.0702082 | 0.5008951 | -0.1402 | 0.889 | -0.06566933 | count | 1 |
| NDUFS7 | -0.0463182 | 0.0671084 | -0.6902 | 0.49 | -0.065529137 | count | 1 |
| SGTA | -0.0530736 | 0.2214633 | -0.2396 | 0.811 | -0.06552858 | count | 1 |
| MED4 | -0.0481851 | 0.1427461 | -0.3376 | 0.736 | -0.065422062 | count | 1 |
| ENTPD3-AS1 | -0.0672349 | 0.3712764 | -0.1811 | 0.856 | -0.065372921 | count | 1 |
| DNHD1 | -0.8624539 | 0.8221627 | -1.049 | 0.294 | -0.065336708 | count | 1 |
| SC5D | -0.058285 | 0.2756359 | -0.2115 | 0.833 | -0.065320521 | count | 1 |
| ZNF469 | -0.2639355 | 0.6994664 | -0.3773 | 0.706 | -0.065169674 | count | 1 |
| CBWD2 | -0.0621382 | 0.2479238 | -0.2506 | 0.802 | -0.065168865 | count | 1 |
| AC004803.1 | -0.1719718 | 0.9216989 | -0.1866 | 0.852 | -0.06509001 | count | 1 |
| CDKL1 | -0.1719718 | 0.925533 | -0.1858 | 0.853 | -0.06509001 | count | 1 |
| ZNF354C | -0.1499134 | 0.8436426 | -0.1777 | 0.859 | -0.065051383 | count | 1 |
| SRI | -0.0456176 | 0.0824667 | -0.5532 | 0.58 | -0.064674282 | count | 1 |
| ANP32B | -0.0453258 | 0.0543916 | -0.8333 | 0.405 | -0.064594723 | count | 1 |
| RB1-DT | -0.2604903 | 0.9635663 | -0.2703 | 0.787 | -0.064385578 | count | 1 |
| MRPL52 | -0.045736 | 0.0833728 | -0.5486 | 0.583 | -0.064356781 | count | 1 |
| MAX | -0.0473068 | 0.121797 | -0.3884 | 0.698 | -0.06428284 | count | 1 |
| PJVK | -0.381608 | 0.839866 | -0.4544 | 0.65 | -0.064175659 | count | 1 |
| SPEG | -0.381608 | 0.8832674 | -0.432 | 0.666 | -0.064175659 | count | 1 |
| KIF18A | -0.381608 | 0.839866 | -0.4544 | 0.65 | -0.064175659 | count | 1 |
| AL133467.1 | -0.381608 | 0.839866 | -0.4544 | 0.65 | -0.064175659 | count | 1 |
| NDUFA1 | -0.0449489 | 0.0531884 | -0.8451 | 0.3981 | -0.064128709 | count | 1 |
| ZNF782 | -0.8350737 | 0.6615495 | -1.2623 | 0.207 | -0.063862455 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|-------|--------------|-------|---|
| CDC26 | -0.0457292 | 0.105602 | -0.433 | 0.665 | -0.063828064 | count | 1 |
| RRP7A | -0.0452385 | 0.1058229 | -0.4275 | 0.669 | -0.063816397 | count | 1 |
| ALG3 | -0.0476643 | 0.1595081 | -0.2988 | 0.765 | -0.063776768 | count | 1 |
| IDH1 | -0.0475585 | 0.148692 | -0.3198 | 0.749 | -0.063581118 | count | 1 |
| NR6A1 | -0.073967 | 0.5237176 | -0.1412 | 0.888 | -0.063560338 | count | 1 |
| PDCD11 | -0.0688081 | 0.3796895 | -0.1812 | 0.856 | -0.06344183 | count | 1 |
| NAA15 | -0.0499354 | 0.1777584 | -0.2809 | 0.779 | -0.063417049 | count | 1 |
| SUV39H1 | -0.1671047 | 0.8781318 | -0.1903 | 0.849 | -0.063329575 | count | 1 |
| AC093512.1 | -0.1671047 | 0.8716661 | -0.1917 | 0.848 | -0.063329575 | count | 1 |
| SPAG5 | -0.1671047 | 0.8781318 | -0.1903 | 0.849 | -0.063329575 | count | 1 |
| TPM3 | -0.0440391 | 0.0347292 | -1.2681 | 0.205 | -0.063314607 | count | 1 |
| C9orf3 | -0.1668824 | 0.5801303 | -0.2877 | 0.774 | -0.063249056 | count | 1 |
| AF127577.4 | -0.8235864 | 0.8869078 | -0.9286 | 0.353 | -0.063233922 | count | 1 |
| HADHB | -0.0445703 | 0.0787606 | -0.5659 | 0.572 | -0.062737196 | count | 1 |
| UQCC1 | -0.3710332 | 0.5412337 | -0.6855 | 0.493 | -0.06261 | count | 1 |
| MOSPD1 | -0.0596816 | 0.3552516 | -0.168 | 0.867 | -0.062607387 | count | 1 |
| YRDC | -0.0474702 | 0.166637 | -0.2849 | 0.776 | -0.062558701 | count | 1 |
| SLC16A4 | -0.1649425 | 0.8160432 | -0.2021 | 0.84 | -0.062545977 | count | 1 |
| ITGA10 | -0.1649425 | 0.81986 | -0.2012 | 0.841 | -0.062545977 | count | 1 |
| AC010997.5 | -0.1649425 | 0.8744404 | -0.1886 | 0.85 | -0.062545977 | count | 1 |
| PFKM | -0.1649425 | 0.7452985 | -0.2213 | 0.825 | -0.062545977 | count | 1 |
| MCM8 | -0.1649425 | 0.8326648 | -0.1981 | 0.843 | -0.062545977 | count | 1 |
| EGLN2 | -0.1649425 | 0.7431347 | -0.222 | 0.824 | -0.062545977 | count | 1 |
| TFG | -0.0459176 | 0.1299726 | -0.3533 | 0.724 | -0.062540954 | count | 1 |
| RNF43 | -0.8093501 | 0.8686358 | -0.9317 | 0.352 | -0.062446661 | count | 1 |
| PSMD6 | -0.0456684 | 0.1186469 | -0.3849 | 0.7 | -0.062418156 | count | 1 |
| MDFIC | -0.0456532 | 0.1849809 | -0.2468 | 0.805 | -0.062370046 | count | 1 |
| BORA | -0.8068162 | 0.8991809 | -0.8973 | 0.37 | -0.062305562 | count | 1 |
| TNFRSF10C | -0.0921014 | 0.6536356 | -0.1409 | 0.888 | -0.062126496 | count | 1 |
| DBF4B | -0.1637199 | 0.7474789 | -0.219 | 0.827 | -0.062102478 | count | 1 |
| AL031595.2 | -0.1637199 | 0.6571979 | -0.2491 | 0.803 | -0.062102478 | count | 1 |
| LIN54 | -0.0695213 | 0.390591 | -0.178 | 0.859 | -0.062057297 | count | 1 |
| POLE | -0.3668619 | 0.6445339 | -0.5692 | 0.569 | -0.061989189 | count | 1 |
| VSIG8 | -0.3661425 | 0.9046994 | -0.4047 | 0.686 | -0.061881938 | count | 1 |
| ANKRD39 | -0.0532027 | 0.2731736 | -0.1948 | 0.846 | -0.061864591 | count | 1 |
| PNKP | -0.0473008 | 0.2132023 | -0.2219 | 0.824 | -0.061751363 | count | 1 |
| LRRRC37A | -0.1274093 | 1.5132551 | -0.0842 | 0.933 | -0.061749998 | count | 1 |
| AC104532.2 | -0.1274093 | 0.7476824 | -0.1704 | 0.865 | -0.061749998 | count | 1 |
| DDX24 | -0.0433067 | 0.0667831 | -0.6485 | 0.517 | -0.06166471 | count | 1 |
| GRASP | -0.0448149 | 0.101497 | -0.4415 | 0.659 | -0.061610109 | count | 1 |
| HAT1 | -0.0458065 | 0.1487042 | -0.308 | 0.758 | -0.061515637 | count | 1 |
| GGNBP2 | -0.0440996 | 0.0983508 | -0.4484 | 0.654 | -0.06141019 | count | 1 |
| TAF1A | -0.0871251 | 0.4621788 | -0.1885 | 0.85 | -0.06133492 | count | 1 |
| HEATR6 | -0.0549476 | 0.2980776 | -0.1843 | 0.854 | -0.061299449 | count | 1 |
| PELI3 | -0.0560616 | 0.4160604 | -0.1347 | 0.893 | -0.061214469 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|--------|--------------|-------|---|
| NFYB | -0.0502516 | 0.2640884 | -0.1903 | 0.849 | -0.061207771 | count | 1 |
| PHF6 | -0.0479587 | 0.1766011 | -0.2716 | 0.786 | -0.061196123 | count | 1 |
| SNX6 | -0.0427319 | 0.0620941 | -0.6882 | 0.4914 | -0.060998951 | count | 1 |
| CSTF2 | -0.0723832 | 0.4433401 | -0.1633 | 0.87 | -0.060917635 | count | 1 |
| TMEM208 | -0.0431922 | 0.0942805 | -0.4581 | 0.647 | -0.060726291 | count | 1 |
| AL353764.1 | -0.1908455 | 1.1661608 | -0.1637 | 0.87 | -0.060670148 | count | 1 |
| COL15A1 | -0.1908455 | 0.9645036 | -0.1979 | 0.843 | -0.060670148 | count | 1 |
| LINC01146 | -0.1908455 | 0.8440173 | -0.2261 | 0.821 | -0.060670148 | count | 1 |
| MAMSTR | -0.1908455 | 1.1661608 | -0.1637 | 0.87 | -0.060670148 | count | 1 |
| AC084018.2 | -0.1144542 | 0.7136733 | -0.1604 | 0.873 | -0.060668912 | count | 1 |
| DIABLO | -0.1144542 | 0.7166078 | -0.1597 | 0.873 | -0.060668912 | count | 1 |
| CD99 | -0.042241 | 0.050271 | -0.8403 | 0.401 | -0.060629804 | count | 1 |
| TMEM160 | -0.0429982 | 0.0909766 | -0.4726 | 0.637 | -0.060590424 | count | 1 |
| MDH2 | -0.0426332 | 0.0673202 | -0.6333 | 0.527 | -0.060492527 | count | 1 |
| RXRB | -0.0618249 | 0.3716221 | -0.1664 | 0.868 | -0.060150466 | count | 1 |
| GANAB | -0.0459991 | 0.1910603 | -0.2408 | 0.81 | -0.060142577 | count | 1 |
| ALDH4A1 | -0.7675392 | 1.1770254 | -0.6521 | 0.514 | -0.060080603 | count | 1 |
| AL512408.1 | -0.7675392 | 1.1755742 | -0.6529 | 0.514 | -0.060080603 | count | 1 |
| DLEC1 | -0.7675392 | 1.1755742 | -0.6529 | 0.514 | -0.060080603 | count | 1 |
| TERC | -0.7675392 | 1.1755742 | -0.6529 | 0.514 | -0.060080603 | count | 1 |
| WWC2-AS2 | -0.7675392 | 1.1755742 | -0.6529 | 0.514 | -0.060080603 | count | 1 |
| FANCC | -0.7675392 | 1.1755742 | -0.6529 | 0.514 | -0.060080603 | count | 1 |
| SYCP3 | -0.7675392 | 1.1755742 | -0.6529 | 0.514 | -0.060080603 | count | 1 |
| AL138963.3 | -0.7675392 | 1.1755742 | -0.6529 | 0.514 | -0.060080603 | count | 1 |
| AC090825.1 | -0.7675392 | 1.1755742 | -0.6529 | 0.514 | -0.060080603 | count | 1 |
| AC005224.4 | -0.7675392 | 1.528769 | -0.5021 | 0.616 | -0.060080603 | count | 1 |
| TEX14 | -0.7675392 | 1.1755742 | -0.6529 | 0.514 | -0.060080603 | count | 1 |
| TMEM87A | -0.0458179 | 0.1687008 | -0.2716 | 0.786 | -0.060074092 | count | 1 |
| EPRS | -0.044148 | 0.1199125 | -0.3682 | 0.713 | -0.059994413 | count | 1 |
| PGGHG | -0.0766517 | 0.3467615 | -0.2211 | 0.825 | -0.059794365 | count | 1 |
| DYNLT1 | -0.0418808 | 0.0676327 | -0.6192 | 0.536 | -0.059612808 | count | 1 |
| OSTF1 | -0.0417892 | 0.0579537 | -0.7211 | 0.471 | -0.059523643 | count | 1 |
| LTBP3 | -0.0491716 | 0.3249347 | -0.1513 | 0.88 | -0.059498917 | count | 1 |
| SRSF8 | -0.0482224 | 0.2842268 | -0.1697 | 0.865 | -0.059445383 | count | 1 |
| R3HCC1L | -0.0484487 | 0.3083354 | -0.1571 | 0.875 | -0.059263639 | count | 1 |
| PFKFB3 | -0.0435776 | 0.115438 | -0.3775 | 0.706 | -0.05923567 | count | 1 |
| HNRNPR | -0.0420453 | 0.0890327 | -0.4722 | 0.637 | -0.059233312 | count | 1 |
| SH3YL1 | -0.0516277 | 0.3631266 | -0.1422 | 0.887 | -0.059157293 | count | 1 |
| HINT1 | -0.0412678 | 0.0468005 | -0.8818 | 0.378 | -0.059157108 | count | 1 |
| FBXL15 | -0.0429874 | 0.1514381 | -0.2839 | 0.777 | -0.059139853 | count | 1 |
| PGAM5 | -0.0607223 | 0.378009 | -0.1606 | 0.872 | -0.059085265 | count | 1 |
| OSBPL2 | -0.0500885 | 0.3353978 | -0.1493 | 0.881 | -0.05901847 | count | 1 |
| DNAJA1 | -0.0412559 | 0.0504518 | -0.8177 | 0.414 | -0.059016411 | count | 1 |
| ZNF580 | -0.0440982 | 0.16759 | -0.2631 | 0.792 | -0.058908971 | count | 1 |
| RBM47 | -0.0424263 | 0.1238846 | -0.3425 | 0.732 | -0.058735783 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|--------|--------------|-------|---|
| LINC02019 | -0.0774861 | 0.9657969 | -0.0802 | 0.936 | -0.058641392 | count | 1 |
| HIBADH | -0.0505365 | 0.2473264 | -0.2043 | 0.838 | -0.058568674 | count | 1 |
| ZNF334 | -0.0959888 | 1.100857 | -0.0872 | 0.931 | -0.058471577 | count | 1 |
| SETD3 | -0.0439364 | 0.1401123 | -0.3136 | 0.754 | -0.05823913 | count | 1 |
| CSTF3 | -0.0512936 | 0.3182044 | -0.1612 | 0.872 | -0.05804477 | count | 1 |
| PRDM2 | -0.0437597 | 0.1761707 | -0.2484 | 0.804 | -0.058005204 | count | 1 |
| BATF2 | -0.7317518 | 0.7167178 | -1.021 | 0.307 | -0.057990272 | count | 1 |
| CYB5RL | -0.1816061 | 0.7594619 | -0.2391 | 0.811 | -0.057882662 | count | 1 |
| AP003354.2 | -0.1816061 | 0.7594619 | -0.2391 | 0.811 | -0.057882662 | count | 1 |
| BAK1 | -0.0463782 | 0.2172871 | -0.2134 | 0.831 | -0.057770548 | count | 1 |
| UQCRC1 | -0.0410674 | 0.090257 | -0.455 | 0.649 | -0.057619637 | count | 1 |
| TMEM191C | -0.066844 | 0.4859739 | -0.1375 | 0.891 | -0.057498357 | count | 1 |
| B2M | -0.0398585 | 0.0201103 | -1.982 | 0.0476 | -0.057491961 | count | 1 |
| TMCO6 | -0.0605245 | 0.4174912 | -0.145 | 0.885 | -0.057455542 | count | 1 |
| GTF2A2 | -0.0406756 | 0.0786964 | -0.5169 | 0.605 | -0.057318656 | count | 1 |
| MINCR | -0.0615522 | 0.5162871 | -0.1192 | 0.905 | -0.056804638 | count | 1 |
| PIGM | -0.0674389 | 0.3872195 | -0.1742 | 0.862 | -0.056798092 | count | 1 |
| ALG11 | -0.0840312 | 0.622705 | -0.1349 | 0.893 | -0.056769603 | count | 1 |
| ZC3H15 | -0.0399889 | 0.0716658 | -0.558 | 0.577 | -0.056728377 | count | 1 |
| FBXO41 | -0.0929935 | 0.5259191 | -0.1768 | 0.86 | -0.056681934 | count | 1 |
| RAB2A | -0.0398426 | 0.0673838 | -0.5913 | 0.554 | -0.05666763 | count | 1 |
| UBC | -0.0393393 | 0.0315589 | -1.2465 | 0.213 | -0.056646576 | count | 1 |
| PRMT3 | -0.067131 | 0.4112648 | -0.1632 | 0.87 | -0.056541347 | count | 1 |
| SEC62 | -0.0394277 | 0.0535031 | -0.7369 | 0.461 | -0.056520775 | count | 1 |
| ZBTB8OS | -0.0405525 | 0.1161503 | -0.3491 | 0.727 | -0.056424753 | count | 1 |
| ABRACL | -0.0395745 | 0.0634665 | -0.6235 | 0.533 | -0.05640296 | count | 1 |
| MAD1L1 | -0.0438651 | 0.2435241 | -0.1801 | 0.857 | -0.056396091 | count | 1 |
| IL24 | -0.1765595 | 0.8162251 | -0.2163 | 0.829 | -0.056353702 | count | 1 |
| IDH1-AS1 | -0.1154859 | 0.8696872 | -0.1328 | 0.894 | -0.056129801 | count | 1 |
| CTNBL1 | -0.0412544 | 0.1478748 | -0.279 | 0.78 | -0.056065526 | count | 1 |
| IGSF21 | -0.0428297 | 0.1445405 | -0.2963 | 0.767 | -0.056004567 | count | 1 |
| SNRPD3 | -0.0395224 | 0.0726354 | -0.5441 | 0.586 | -0.055936029 | count | 1 |
| C5 | -0.6969145 | 0.6019978 | -1.1577 | 0.247 | -0.055896409 | count | 1 |
| KATNAL1 | -0.0614985 | 0.6897191 | -0.0892 | 0.929 | -0.055880135 | count | 1 |
| SYT11 | -0.046872 | 0.2274446 | -0.2061 | 0.837 | -0.055725938 | count | 1 |
| TLN1 | -0.0387331 | 0.0520419 | -0.7443 | 0.457 | -0.055444469 | count | 1 |
| PRCP | -0.0400123 | 0.1115431 | -0.3587 | 0.72 | -0.055443757 | count | 1 |
| THAP4 | -0.0513307 | 0.3217007 | -0.1596 | 0.873 | -0.055398996 | count | 1 |
| FRA10AC1 | -0.0431452 | 0.1856419 | -0.2324 | 0.816 | -0.055303352 | count | 1 |
| MAF1 | -0.0396753 | 0.0985377 | -0.4026 | 0.687 | -0.055287569 | count | 1 |
| DCUN1D4 | -0.0706701 | 0.410362 | -0.1722 | 0.863 | -0.055182103 | count | 1 |
| RALBP1 | -0.039201 | 0.093642 | -0.4186 | 0.676 | -0.055174419 | count | 1 |
| CLK3 | -0.043426 | 0.2072635 | -0.2095 | 0.834 | -0.055165462 | count | 1 |
| AL158835.1 | -0.2204687 | 1.025811 | -0.2149 | 0.83 | -0.0551494 | count | 1 |
| WHRN | -0.1133529 | 0.544516 | -0.2082 | 0.835 | -0.055120914 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|--------|--------------|-------|---|
| OAZ1 | -0.0382314 | 0.0231612 | -1.6507 | 0.0989 | -0.055085761 | count | 1 |
| AC245452.1 | -0.1260721 | 0.5792719 | -0.2176 | 0.828 | -0.055033306 | count | 1 |
| RINT1 | -0.0615344 | 0.4047923 | -0.152 | 0.879 | -0.054987324 | count | 1 |
| KTI12 | -0.0477821 | 0.2974283 | -0.1607 | 0.872 | -0.0549794 | count | 1 |
| RNPS1 | -0.0395595 | 0.1129952 | -0.3501 | 0.726 | -0.054816674 | count | 1 |
| SLC25A1 | -0.0421543 | 0.2042465 | -0.2064 | 0.837 | -0.054786336 | count | 1 |
| SDHC | -0.0388995 | 0.0828522 | -0.4695 | 0.639 | -0.054575953 | count | 1 |
| RPL27 | -0.0379393 | 0.0333365 | -1.1381 | 0.255 | -0.054491887 | count | 1 |
| SOWAHC | -0.0571165 | 0.427075 | -0.1337 | 0.894 | -0.054242769 | count | 1 |
| RPL41 | -0.0375718 | 0.020377 | -1.8438 | 0.0653 | -0.054167858 | count | 1 |
| LRRIQ3 | -0.3143545 | 1.2345272 | -0.2546 | 0.799 | -0.054017783 | count | 1 |
| CFB | -0.3143545 | 1.2345272 | -0.2546 | 0.799 | -0.054017783 | count | 1 |
| PIP5KL1 | -0.3143545 | 1.5161908 | -0.2073 | 0.836 | -0.054017783 | count | 1 |
| PHYHD1 | -0.3143545 | 1.202161 | -0.2615 | 0.794 | -0.054017783 | count | 1 |
| BACE1-AS | -0.3143545 | 1.2345272 | -0.2546 | 0.799 | -0.054017783 | count | 1 |
| AC090061.1 | -0.3143545 | 1.2345272 | -0.2546 | 0.799 | -0.054017783 | count | 1 |
| LINC02391 | -0.3143545 | 1.202161 | -0.2615 | 0.794 | -0.054017783 | count | 1 |
| PLSCR3 | -0.3143545 | 1.2345272 | -0.2546 | 0.799 | -0.054017783 | count | 1 |
| ZNF382 | -0.3143545 | 1.2345272 | -0.2546 | 0.799 | -0.054017783 | count | 1 |
| AC021092.1 | -0.3143545 | 1.202161 | -0.2615 | 0.794 | -0.054017783 | count | 1 |
| ZNF112 | -0.3143545 | 1.2345272 | -0.2546 | 0.799 | -0.054017783 | count | 1 |
| CDK4 | -0.0400747 | 0.1666175 | -0.2405 | 0.81 | -0.053925732 | count | 1 |
| PPP1R2 | -0.0382343 | 0.0840372 | -0.455 | 0.649 | -0.053861546 | count | 1 |
| IBTK | -0.0410408 | 0.2027667 | -0.2024 | 0.84 | -0.053782087 | count | 1 |
| RAB5A | -0.0393693 | 0.120736 | -0.3261 | 0.744 | -0.053767601 | count | 1 |
| EIF2B1 | -0.0422669 | 0.1759039 | -0.2403 | 0.81 | -0.053759856 | count | 1 |
| PPM1A | -0.0432572 | 0.2183064 | -0.1981 | 0.843 | -0.053714423 | count | 1 |
| NRBP1 | -0.0386325 | 0.1343601 | -0.2875 | 0.774 | -0.053545745 | count | 1 |
| DTX3L | -0.0416673 | 0.1847282 | -0.2256 | 0.822 | -0.053521573 | count | 1 |
| SAMD13 | -0.3096509 | 0.7652368 | -0.4046 | 0.686 | -0.053289429 | count | 1 |
| TMEM161A | -0.0474993 | 0.2850244 | -0.1666 | 0.868 | -0.053021855 | count | 1 |
| TBRG1 | -0.0384763 | 0.1293657 | -0.2974 | 0.766 | -0.052964022 | count | 1 |
| MTRF1 | -0.0581027 | 0.4677546 | -0.1242 | 0.901 | -0.052818104 | count | 1 |
| PRPF31 | -0.0385208 | 0.1407104 | -0.2738 | 0.784 | -0.052755361 | count | 1 |
| PLCE1 | -0.0989341 | 0.8767853 | -0.1128 | 0.91 | -0.052625982 | count | 1 |
| ITGA7 | -0.0989341 | 0.8260253 | -0.1198 | 0.905 | -0.052625982 | count | 1 |
| ZNF599 | -0.0989341 | 1.117569 | -0.0885 | 0.929 | -0.052625982 | count | 1 |
| GINM1 | -0.0378765 | 0.10256 | -0.3693 | 0.712 | -0.052559522 | count | 1 |
| SLC39A6 | -0.0427446 | 0.1885582 | -0.2267 | 0.821 | -0.052509429 | count | 1 |
| TDRD3 | -0.0422781 | 0.248842 | -0.1699 | 0.865 | -0.052412162 | count | 1 |
| MRPL19 | -0.0408279 | 0.162707 | -0.2509 | 0.802 | -0.052391893 | count | 1 |
| HUWE1 | -0.0410197 | 0.217349 | -0.1887 | 0.85 | -0.052356696 | count | 1 |
| ZNF32 | -0.0419229 | 0.2119892 | -0.1978 | 0.843 | -0.052315069 | count | 1 |
| XRCC3 | -0.6385284 | 0.8062399 | -0.792 | 0.428 | -0.052253208 | count | 1 |
| LINC01678 | -0.0380821 | 0.139668 | -0.2727 | 0.785 | -0.052216774 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|-------|--------------|-------|---|
| TAF11 | -0.038961 | 0.1438048 | -0.2709 | 0.786 | -0.052098715 | count | 1 |
| PSEN2 | -0.0592802 | 0.3758727 | -0.1577 | 0.875 | -0.052046334 | count | 1 |
| ARHGAP32 | -0.0710121 | 0.7545953 | -0.0941 | 0.925 | -0.052035913 | count | 1 |
| RRP1B | -0.0398757 | 0.1997759 | -0.1996 | 0.842 | -0.052032013 | count | 1 |
| CYFIP2 | -0.084282 | 0.4798698 | -0.1756 | 0.861 | -0.05146405 | count | 1 |
| AP002954.1 | -0.0702032 | 0.4796986 | -0.1463 | 0.884 | -0.051450437 | count | 1 |
| CHRNB1 | -0.0506045 | 0.2946472 | -0.1717 | 0.864 | -0.051383474 | count | 1 |
| SNRPC | -0.0363497 | 0.0787235 | -0.4617 | 0.644 | -0.051299713 | count | 1 |
| QTRT2 | -0.0398889 | 0.2560204 | -0.1558 | 0.876 | -0.051188812 | count | 1 |
| CDK2AP1 | -0.0955952 | 0.5020192 | -0.1904 | 0.849 | -0.050888071 | count | 1 |
| ATAD3A | -0.0519027 | 0.2928039 | -0.1773 | 0.859 | -0.05055483 | count | 1 |
| TMEM258 | -0.0353347 | 0.0621976 | -0.5681 | 0.57 | -0.050236136 | count | 1 |
| NLE1 | -0.0874972 | 0.588863 | -0.1486 | 0.882 | -0.050175605 | count | 1 |
| GINS1 | -0.2896891 | 0.9783271 | -0.2961 | 0.767 | -0.050172006 | count | 1 |
| PARL | -0.0365121 | 0.1089958 | -0.335 | 0.738 | -0.05015852 | count | 1 |
| APBB2 | -0.131084 | 0.5365325 | -0.2443 | 0.807 | -0.050152523 | count | 1 |
| SUZ12 | -0.0365485 | 0.1300099 | -0.2811 | 0.779 | -0.049776944 | count | 1 |
| ZNF805 | -0.0933353 | 0.5240413 | -0.1781 | 0.859 | -0.049710261 | count | 1 |
| TAPBP | -0.0353768 | 0.091013 | -0.3887 | 0.698 | -0.049698515 | count | 1 |
| C1QA | -0.0344403 | 0.0743804 | -0.463 | 0.643 | -0.049599805 | count | 1 |
| SNRNP27 | -0.0369123 | 0.201261 | -0.1834 | 0.854 | -0.04958199 | count | 1 |
| KAT6B | -0.0411298 | 0.2992465 | -0.1374 | 0.891 | -0.049434845 | count | 1 |
| SCMH1 | -0.0651637 | 0.5658219 | -0.1152 | 0.908 | -0.049418408 | count | 1 |
| DBT | -0.0599038 | 0.4108918 | -0.1458 | 0.884 | -0.049368344 | count | 1 |
| SMARCB1 | -0.035922 | 0.1261842 | -0.2847 | 0.776 | -0.049247256 | count | 1 |
| DEF8 | -0.0364266 | 0.1539139 | -0.2367 | 0.813 | -0.049056058 | count | 1 |
| SELENOK | -0.03401 | 0.0757709 | -0.4489 | 0.654 | -0.048848784 | count | 1 |
| MMP23B | -0.2805033 | 0.7799094 | -0.3597 | 0.719 | -0.048723094 | count | 1 |
| MAPK8IP1 | -0.2805033 | 0.7745144 | -0.3622 | 0.717 | -0.048723094 | count | 1 |
| AC008764.8 | -0.2805033 | 0.6156575 | -0.4556 | 0.649 | -0.048723094 | count | 1 |
| LILRA4 | -0.0995176 | 0.5308937 | -0.1875 | 0.851 | -0.048551365 | count | 1 |
| C12orf75 | -0.0542106 | 0.3940845 | -0.1376 | 0.891 | -0.048490584 | count | 1 |
| PPP2R1B | -0.0454045 | 0.4422375 | -0.1027 | 0.918 | -0.048388447 | count | 1 |
| LRRC27 | -0.0714489 | 0.4594049 | -0.1555 | 0.876 | -0.048384013 | count | 1 |
| NKILA | -0.277634 | 0.8304401 | -0.3343 | 0.738 | -0.048268669 | count | 1 |
| AL590764.1 | -0.0839337 | 0.4670278 | -0.1797 | 0.857 | -0.048168808 | count | 1 |
| TMEM65 | -0.0386677 | 0.2228547 | -0.1735 | 0.862 | -0.048105934 | count | 1 |
| DNAJC30 | -0.0464294 | 0.3740354 | -0.1241 | 0.901 | -0.048000101 | count | 1 |
| GLMN | -0.0502907 | 0.3662214 | -0.1373 | 0.891 | -0.047799829 | count | 1 |
| HMGXB3 | -0.0353362 | 0.1726594 | -0.2047 | 0.838 | -0.047779486 | count | 1 |
| LYAR | -0.0350229 | 0.1359079 | -0.2577 | 0.797 | -0.047747058 | count | 1 |
| PRDM4 | -0.0447935 | 0.3836737 | -0.1167 | 0.907 | -0.047739985 | count | 1 |
| CCDC58 | -0.0404707 | 0.3277247 | -0.1235 | 0.902 | -0.047715696 | count | 1 |
| FBXO34 | -0.0366025 | 0.1646808 | -0.2223 | 0.824 | -0.047693404 | count | 1 |
| OSGEP | -0.0350467 | 0.1385388 | -0.253 | 0.8 | -0.047596758 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|-------|--------------|-------|---|
| SNRPD2 | -0.0332991 | 0.0578311 | -0.5758 | 0.565 | -0.047523301 | count | 1 |
| PKD2L2 | -0.5660077 | 1.1391677 | -0.4969 | 0.619 | -0.047486923 | count | 1 |
| ACHE | -0.5660077 | 1.1391677 | -0.4969 | 0.619 | -0.047486923 | count | 1 |
| C20orf197 | -0.5660077 | 1.223277 | -0.4627 | 0.644 | -0.047486923 | count | 1 |
| AC011498.1 | -0.5660077 | 1.1391677 | -0.4969 | 0.619 | -0.047486923 | count | 1 |
| NEK8 | -0.0735265 | 0.6955165 | -0.1057 | 0.916 | -0.047480596 | count | 1 |
| AHI1 | -0.0362043 | 0.2158251 | -0.1677 | 0.867 | -0.047451503 | count | 1 |
| AC009133.1 | -0.5652309 | 0.7092245 | -0.797 | 0.426 | -0.047434387 | count | 1 |
| MZT1 | -0.0357013 | 0.1713643 | -0.2083 | 0.835 | -0.047309042 | count | 1 |
| RNF25 | -0.057195 | 0.4154393 | -0.1377 | 0.891 | -0.047155325 | count | 1 |
| LIPE-AS1 | -0.0468556 | 0.355052 | -0.132 | 0.895 | -0.04714554 | count | 1 |
| DYRK1B | -0.0641486 | 0.4904315 | -0.1308 | 0.896 | -0.047062785 | count | 1 |
| SPCS1 | -0.0329128 | 0.0528624 | -0.6226 | 0.534 | -0.046990289 | count | 1 |
| CHST12 | -0.0378698 | 0.2571932 | -0.1472 | 0.883 | -0.046876158 | count | 1 |
| MTHFD1L | -0.0377255 | 0.2943224 | -0.1282 | 0.898 | -0.046858208 | count | 1 |
| RAB14 | -0.0332344 | 0.0873103 | -0.3806 | 0.703 | -0.046766087 | count | 1 |
| ZNF395 | -0.0452191 | 0.4338008 | -0.1042 | 0.917 | -0.046754522 | count | 1 |
| ZNHIT1 | -0.0325753 | 0.0718524 | -0.4534 | 0.65 | -0.046332422 | count | 1 |
| NUTM2A-AS1 | -0.0367155 | 0.2116696 | -0.1735 | 0.862 | -0.04629799 | count | 1 |
| TIMM17B | -0.0331652 | 0.1125536 | -0.2947 | 0.768 | -0.046211041 | count | 1 |
| LARP4 | -0.0350055 | 0.178916 | -0.1957 | 0.845 | -0.046204959 | count | 1 |
| FIS1 | -0.0324783 | 0.0590291 | -0.5502 | 0.582 | -0.046179477 | count | 1 |
| CCDC153 | -0.0803856 | 0.6055012 | -0.1328 | 0.894 | -0.046167561 | count | 1 |
| ITGB1BP1 | -0.0331402 | 0.1169763 | -0.2833 | 0.777 | -0.046078844 | count | 1 |
| CDK1 | -0.0863188 | 0.6447306 | -0.1339 | 0.894 | -0.046045572 | count | 1 |
| DNAJB5 | -0.051437 | 0.5019555 | -0.1025 | 0.918 | -0.046026785 | count | 1 |
| FUCA1 | -0.0337893 | 0.1121996 | -0.3012 | 0.763 | -0.045975255 | count | 1 |
| TRIM24 | -0.0393416 | 0.2519981 | -0.1561 | 0.876 | -0.045946029 | count | 1 |
| STK32C | -0.036334 | 0.2266105 | -0.1603 | 0.873 | -0.045879162 | count | 1 |
| YIF1B | -0.0339911 | 0.16675 | -0.2038 | 0.838 | -0.04585774 | count | 1 |
| EIF1AX | -0.0323868 | 0.0741896 | -0.4365 | 0.662 | -0.045823915 | count | 1 |
| USP46-AS1 | -0.074795 | 0.6179232 | -0.121 | 0.904 | -0.045759806 | count | 1 |
| UTP3 | -0.034779 | 0.1943023 | -0.179 | 0.858 | -0.045707598 | count | 1 |
| AC062017.1 | -0.0449568 | 0.5185101 | -0.0867 | 0.931 | -0.045675821 | count | 1 |
| HS2ST1 | -0.0405089 | 0.31446 | -0.1288 | 0.898 | -0.045673734 | count | 1 |
| CCDC191 | -0.093055 | 0.4256099 | -0.2186 | 0.827 | -0.045467492 | count | 1 |
| BNIP1 | -0.0455874 | 0.3472804 | -0.1313 | 0.896 | -0.045417811 | count | 1 |
| ATP6V0E2 | -0.0451208 | 0.3141119 | -0.1436 | 0.886 | -0.045408422 | count | 1 |
| TMEM237 | -0.0702199 | 0.6909294 | -0.1016 | 0.919 | -0.045374666 | count | 1 |
| EVL | -0.0334636 | 0.1463697 | -0.2286 | 0.819 | -0.045358779 | count | 1 |
| AL355922.1 | -0.0926224 | 0.5443497 | -0.1702 | 0.865 | -0.045260713 | count | 1 |
| SSH1 | -0.0381032 | 0.273839 | -0.1391 | 0.889 | -0.04506616 | count | 1 |
| OTUD4 | -0.0394876 | 0.2476329 | -0.1595 | 0.873 | -0.044725081 | count | 1 |
| ACAA1 | -0.0320529 | 0.0951584 | -0.3368 | 0.736 | -0.044716398 | count | 1 |
| TMEM53 | -0.0378049 | 0.2745883 | -0.1377 | 0.891 | -0.04458033 | count | 1 |

| | | | | | | | |
|-----------------|------------|-----------|---------|-------|--------------|-------|---|
| AQP1 | -0.5224034 | 0.8761359 | -0.5963 | 0.551 | -0.044488356 | count | 1 |
| STIM2 | -0.0358074 | 0.2026211 | -0.1767 | 0.86 | -0.044479953 | count | 1 |
| KPNA6 | -0.0348898 | 0.2288467 | -0.1525 | 0.879 | -0.044442463 | count | 1 |
| ADAP2 | -0.0310277 | 0.0811368 | -0.3824 | 0.702 | -0.044122104 | count | 1 |
| LEO1 | -0.0356107 | 0.2147409 | -0.1658 | 0.868 | -0.043926965 | count | 1 |
| BBS5 | -0.0545504 | 0.9985305 | -0.0546 | 0.956 | -0.043887343 | count | 1 |
| LRRRC75B | -0.0896888 | 0.7912999 | -0.1133 | 0.91 | -0.04385736 | count | 1 |
| LARS2 | -0.0896057 | 0.5743641 | -0.156 | 0.876 | -0.043817577 | count | 1 |
| LCP2 | -0.0318472 | 0.099599 | -0.3198 | 0.749 | -0.043769076 | count | 1 |
| RBP1 | -0.064541 | 0.6143353 | -0.1051 | 0.916 | -0.043762827 | count | 1 |
| AP2A2 | -0.0334576 | 0.1380067 | -0.2424 | 0.808 | -0.043699315 | count | 1 |
| KDM1A | -0.0348081 | 0.2878262 | -0.1209 | 0.904 | -0.04364956 | count | 1 |
| RPS6KL1 | -0.2484519 | 0.9384224 | -0.2648 | 0.791 | -0.043596123 | count | 1 |
| TMEM204 | -0.2484519 | 0.9334979 | -0.2662 | 0.79 | -0.043596123 | count | 1 |
| AL008635.1 | -0.2484519 | 0.9334979 | -0.2662 | 0.79 | -0.043596123 | count | 1 |
| AP001059.2 | -0.2484519 | 0.9169425 | -0.271 | 0.786 | -0.043596123 | count | 1 |
| PRPF6 | -0.0317542 | 0.1399495 | -0.2269 | 0.821 | -0.043493566 | count | 1 |
| AGER | -0.1130232 | 0.6526207 | -0.1732 | 0.863 | -0.043447229 | count | 1 |
| NMT1 | -0.0323819 | 0.1678021 | -0.193 | 0.847 | -0.04327089 | count | 1 |
| ANKHD1-EIF4EBP3 | -0.5050637 | 0.7352596 | -0.6869 | 0.492 | -0.043267585 | count | 1 |
| DENND1B | -0.03353 | 0.2087311 | -0.1606 | 0.872 | -0.042712752 | count | 1 |
| ARF6 | -0.0305062 | 0.0879294 | -0.3469 | 0.729 | -0.042674774 | count | 1 |
| PAXIP1 | -0.0529788 | 0.5092974 | -0.104 | 0.917 | -0.04263341 | count | 1 |
| PCNA | -0.0332559 | 0.2003087 | -0.166 | 0.868 | -0.042599187 | count | 1 |
| C3AR1 | -0.029808 | 0.0630713 | -0.4726 | 0.637 | -0.042366764 | count | 1 |
| MAP3K14 | -0.0444841 | 0.3530601 | -0.126 | 0.9 | -0.042310397 | count | 1 |
| PA2G4 | -0.0297311 | 0.0727003 | -0.409 | 0.683 | -0.042173806 | count | 1 |
| MFSD2A | -0.0427112 | 0.3737931 | -0.1143 | 0.909 | -0.042116614 | count | 1 |
| LYRM9 | -0.0430602 | 0.444854 | -0.0968 | 0.923 | -0.041984501 | count | 1 |
| ANO6 | -0.0315566 | 0.1998202 | -0.1579 | 0.875 | -0.041973055 | count | 1 |
| FOXO1 | -0.0343576 | 0.2430832 | -0.1413 | 0.888 | -0.041972932 | count | 1 |
| GCNT2 | -0.0388034 | 0.3697436 | -0.1049 | 0.916 | -0.041925487 | count | 1 |
| RAB1B | -0.0311295 | 0.1557621 | -0.1999 | 0.842 | -0.041867158 | count | 1 |
| UBL5 | -0.0292461 | 0.0486528 | -0.6011 | 0.548 | -0.041854778 | count | 1 |
| LRRRC40 | -0.0398218 | 0.2961788 | -0.1345 | 0.893 | -0.041854017 | count | 1 |
| ASMTL | -0.033464 | 0.248594 | -0.1346 | 0.893 | -0.041642594 | count | 1 |
| TOP1MT | -0.0398121 | 0.4422811 | -0.09 | 0.928 | -0.041521804 | count | 1 |
| NDUFA5 | -0.0298903 | 0.1051489 | -0.2843 | 0.776 | -0.041486538 | count | 1 |
| ZNF90 | -0.084632 | 0.4909416 | -0.1724 | 0.863 | -0.041433664 | count | 1 |
| UBAP1 | -0.0316318 | 0.1868627 | -0.1693 | 0.866 | -0.041377364 | count | 1 |
| NUBP2 | -0.0316892 | 0.1777721 | -0.1783 | 0.859 | -0.041097929 | count | 1 |
| BEX1 | -0.066844 | 0.67691 | -0.0987 | 0.921 | -0.040961645 | count | 1 |
| MGRN1 | -0.0314794 | 0.3730794 | -0.0844 | 0.933 | -0.040927837 | count | 1 |
| CSNK2A1 | -0.0306351 | 0.1593824 | -0.1922 | 0.848 | -0.040768418 | count | 1 |
| NFE2L3 | -0.0384725 | 0.190251 | -0.2022 | 0.84 | -0.040739887 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|-------|--------------|-------|---|
| JMY | -0.0331169 | 0.2202263 | -0.1504 | 0.88 | -0.040623674 | count | 1 |
| CASTOR3 | -0.1047798 | 0.5954432 | -0.176 | 0.86 | -0.04036495 | count | 1 |
| SLC37A3 | -0.1047798 | 0.5933502 | -0.1766 | 0.86 | -0.04036495 | count | 1 |
| XYLT1 | -0.0442328 | 0.3957254 | -0.1118 | 0.911 | -0.040282577 | count | 1 |
| IDO1 | -0.039622 | 0.5419704 | -0.0731 | 0.942 | -0.040278091 | count | 1 |
| FDXR | -0.0418919 | 0.5331285 | -0.0786 | 0.937 | -0.039857267 | count | 1 |
| NNMT | -0.0904831 | 0.5177454 | -0.1748 | 0.861 | -0.039847575 | count | 1 |
| DESI1 | -0.0294828 | 0.1629814 | -0.1809 | 0.856 | -0.039766225 | count | 1 |
| ZDHHC2 | -0.0306975 | 0.1848101 | -0.1661 | 0.868 | -0.039709446 | count | 1 |
| TRAF1 | -0.0352872 | 0.3294898 | -0.1071 | 0.915 | -0.039618367 | count | 1 |
| ACTR10 | -0.0289687 | 0.1636922 | -0.177 | 0.86 | -0.039614319 | count | 1 |
| COX7B | -0.0277157 | 0.053578 | -0.5173 | 0.605 | -0.039578603 | count | 1 |
| TGFB2 | -0.0739196 | 0.5808146 | -0.1273 | 0.899 | -0.039540593 | count | 1 |
| EPOP | -0.0739196 | 0.6108063 | -0.121 | 0.904 | -0.039540593 | count | 1 |
| ROCK2 | -0.0301131 | 0.155728 | -0.1934 | 0.847 | -0.039529252 | count | 1 |
| HIRA | -0.0476723 | 0.5028482 | -0.0948 | 0.924 | -0.039360808 | count | 1 |
| CHMP5 | -0.027795 | 0.0775417 | -0.3585 | 0.72 | -0.039301795 | count | 1 |
| CD1A | -0.2220366 | 0.7612231 | -0.2917 | 0.771 | -0.039286766 | count | 1 |
| AC106047.1 | -0.2220366 | 0.7612231 | -0.2917 | 0.771 | -0.039286766 | count | 1 |
| TRIM60 | -0.2220366 | 1.021223 | -0.2174 | 0.828 | -0.039286766 | count | 1 |
| AC006064.4 | -0.2220366 | 0.7685758 | -0.2889 | 0.773 | -0.039286766 | count | 1 |
| CXCL12 | -0.0302808 | 0.1907858 | -0.1587 | 0.874 | -0.039273332 | count | 1 |
| XRCC5 | -0.0275905 | 0.0604083 | -0.4567 | 0.648 | -0.03921347 | count | 1 |
| CD163 | -0.0274114 | 0.0668367 | -0.4101 | 0.682 | -0.039091459 | count | 1 |
| FCER1G | -0.0270419 | 0.0255655 | -1.0578 | 0.29 | -0.038960502 | count | 1 |
| ARHGAP35 | -0.0350073 | 0.3242759 | -0.108 | 0.914 | -0.038921371 | count | 1 |
| MGMT | -0.0281738 | 0.1108299 | -0.2542 | 0.799 | -0.038856061 | count | 1 |
| FAM13A-AS1 | -0.0674568 | 0.6035584 | -0.1118 | 0.911 | -0.038848962 | count | 1 |
| SNAP47 | -0.0358777 | 0.4335577 | -0.0828 | 0.934 | -0.038774412 | count | 1 |
| PINK1 | -0.0309524 | 0.1832185 | -0.1689 | 0.866 | -0.03864527 | count | 1 |
| FAM168A | -0.0390366 | 0.3249656 | -0.1201 | 0.904 | -0.038508937 | count | 1 |
| MEF2C-AS1 | -0.0565368 | 0.5184183 | -0.1091 | 0.913 | -0.038392926 | count | 1 |
| CATSPER2 | -0.0870559 | 0.6514532 | -0.1336 | 0.894 | -0.038370612 | count | 1 |
| SUMO2 | -0.026713 | 0.0365716 | -0.7304 | 0.465 | -0.038353947 | count | 1 |
| COMMD8 | -0.0278638 | 0.1151028 | -0.2421 | 0.809 | -0.038310424 | count | 1 |
| GLIPR2 | -0.0267439 | 0.0798314 | -0.335 | 0.738 | -0.038163837 | count | 1 |
| MED21 | -0.0313602 | 0.2041188 | -0.1536 | 0.878 | -0.037985082 | count | 1 |
| CDC42 | -0.026431 | 0.0371888 | -0.7107 | 0.477 | -0.037941631 | count | 1 |
| CCDC171 | -0.0614339 | 0.6292253 | -0.0976 | 0.922 | -0.037687748 | count | 1 |
| GABARAPL2 | -0.0264505 | 0.0643672 | -0.4109 | 0.681 | -0.037677654 | count | 1 |
| NUFIP2 | -0.0269116 | 0.1002432 | -0.2685 | 0.788 | -0.037658373 | count | 1 |
| TMED5 | -0.0265289 | 0.09262 | -0.2864 | 0.775 | -0.037434424 | count | 1 |
| POLR3GL | -0.0271488 | 0.1194962 | -0.2272 | 0.82 | -0.037321306 | count | 1 |
| FAM120AOS | -0.0278488 | 0.1479464 | -0.1882 | 0.851 | -0.037234059 | count | 1 |
| TRERF1 | -0.0365929 | 0.4862273 | -0.0753 | 0.94 | -0.037210546 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|-------|--------------|-------|---|
| BRCA2 | -0.0305651 | 0.2488964 | -0.1228 | 0.902 | -0.037189361 | count | 1 |
| TMEM123 | -0.026122 | 0.0633423 | -0.4124 | 0.68 | -0.037149876 | count | 1 |
| MRPS9 | -0.0300687 | 0.2392378 | -0.1257 | 0.9 | -0.037101208 | count | 1 |
| ARF4-AS1 | -0.0840312 | 0.7697284 | -0.1092 | 0.913 | -0.037064985 | count | 1 |
| ZBED3-AS1 | -0.0840312 | 0.7687341 | -0.1093 | 0.913 | -0.037064985 | count | 1 |
| LRRRC49 | -0.4199852 | 0.9264474 | -0.4533 | 0.65 | -0.037038164 | count | 1 |
| ABCE1 | -0.027306 | 0.1465599 | -0.1863 | 0.852 | -0.036962273 | count | 1 |
| PAN3-AS1 | -0.2077307 | 0.6674987 | -0.3112 | 0.756 | -0.036921051 | count | 1 |
| ADAMTS1 | -0.2077307 | 0.8516569 | -0.2439 | 0.807 | -0.036921051 | count | 1 |
| GNA13 | -0.0263841 | 0.1002635 | -0.2631 | 0.792 | -0.036738427 | count | 1 |
| IGFBP7 | -0.0263657 | 0.1385188 | -0.1903 | 0.849 | -0.036726496 | count | 1 |
| NCOR1 | -0.0260096 | 0.0870085 | -0.2989 | 0.765 | -0.036718969 | count | 1 |
| ILVBL | -0.0288197 | 0.2146052 | -0.1343 | 0.893 | -0.036588692 | count | 1 |
| SELENOT | -0.0259089 | 0.0678335 | -0.3819 | 0.703 | -0.036574249 | count | 1 |
| ARMCX3 | -0.0264315 | 0.1317883 | -0.2006 | 0.841 | -0.036390987 | count | 1 |
| EIF1AD | -0.0285746 | 0.2323459 | -0.123 | 0.902 | -0.036365164 | count | 1 |
| MT-ND3 | -0.0251996 | 0.0355565 | -0.7087 | 0.479 | -0.036255464 | count | 1 |
| AC037459.2 | -0.4068395 | 0.7682875 | -0.5295 | 0.596 | -0.036039469 | count | 1 |
| SLC25A25 | -0.032064 | 0.2846904 | -0.1126 | 0.91 | -0.036008597 | count | 1 |
| UBE2D3 | -0.0251579 | 0.0477855 | -0.5265 | 0.599 | -0.035991536 | count | 1 |
| CLUH | -0.0407956 | 0.543347 | -0.0751 | 0.94 | -0.035908826 | count | 1 |
| PLCD1 | -0.0729676 | 0.5547836 | -0.1315 | 0.895 | -0.035820488 | count | 1 |
| UBE2B | -0.0251112 | 0.0557423 | -0.4505 | 0.652 | -0.035813256 | count | 1 |
| ZNF710 | -0.0325911 | 0.2927468 | -0.1113 | 0.911 | -0.035658305 | count | 1 |
| STX12 | -0.0255918 | 0.0952686 | -0.2686 | 0.788 | -0.035615096 | count | 1 |
| NDUFA2 | -0.0250078 | 0.0647197 | -0.3864 | 0.699 | -0.035589474 | count | 1 |
| PPP1R16B | -0.4008463 | 0.8888874 | -0.451 | 0.652 | -0.035580892 | count | 1 |
| AC027307.3 | -0.4008463 | 0.8888874 | -0.451 | 0.652 | -0.035580892 | count | 1 |
| IPO7 | -0.0271684 | 0.1575432 | -0.1725 | 0.863 | -0.035569315 | count | 1 |
| WDR81 | -0.0382714 | 0.3898834 | -0.0982 | 0.922 | -0.03542407 | count | 1 |
| DUSP2 | -0.0247202 | 0.0993283 | -0.2489 | 0.803 | -0.035386427 | count | 1 |
| UBXN4 | -0.0248513 | 0.0667713 | -0.3722 | 0.71 | -0.035359258 | count | 1 |
| DNAJC14 | -0.0338279 | 0.3383142 | -0.1 | 0.92 | -0.035301195 | count | 1 |
| DCAF13 | -0.0262074 | 0.1571082 | -0.1668 | 0.868 | -0.035114854 | count | 1 |
| CDK8 | -0.0377396 | 0.5334135 | -0.0708 | 0.944 | -0.034934177 | count | 1 |
| SGK3 | -0.0254276 | 0.134923 | -0.1885 | 0.851 | -0.034824938 | count | 1 |
| C2orf68 | -0.0280544 | 0.2888518 | -0.0971 | 0.923 | -0.034803528 | count | 1 |
| NEURL2 | -0.3890643 | 0.5592986 | -0.6956 | 0.487 | -0.03467339 | count | 1 |
| RBMXL1 | -0.032182 | 0.2967211 | -0.1085 | 0.914 | -0.034569494 | count | 1 |
| UBE2J2 | -0.0255415 | 0.1457171 | -0.1753 | 0.861 | -0.034487816 | count | 1 |
| TRIM69 | -0.0273237 | 0.2333314 | -0.1171 | 0.907 | -0.034374446 | count | 1 |
| ARHGAP1 | -0.0300604 | 0.288934 | -0.104 | 0.917 | -0.034218445 | count | 1 |
| PATJ | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| TEX41 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| DLX2 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|--------|--------------|-------|---|
| FAM171B | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| AC114730.2 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| FBLN2 | -0.381608 | 1.308419 | -0.2917 | 0.771 | -0.034094948 | count | 1 |
| TNK2-AS1 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| STBD1 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| AC126283.1 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| AC105285.1 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| PLN | -0.381608 | 1.308419 | -0.2917 | 0.771 | -0.034094948 | count | 1 |
| AL591468.1 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| KCND1 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| NEFM | -0.381608 | 1.308419 | -0.2917 | 0.771 | -0.034094948 | count | 1 |
| PKIA | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| ERICD | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| AL357874.1 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| AL358781.1 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| NPFFR1 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| SYCE1 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| ADCY6 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| AC073592.1 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| AC091057.3 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| KLHL25 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| AC018557.1 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| AC127024.5 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| SYDE1 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| CYP4F22 | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| BCKDHA | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| ARVCF | -0.381608 | 1.1886192 | -0.3211 | 0.748 | -0.034094948 | count | 1 |
| PLA2G4A | -0.0362743 | 0.5090031 | -0.0713 | 0.943 | -0.034072256 | count | 1 |
| IFI27L2 | -0.0242076 | 0.1072145 | -0.2258 | 0.821 | -0.034048883 | count | 1 |
| TUBB4B | -0.0239817 | 0.0771506 | -0.3108 | 0.756 | -0.034012778 | count | 1 |
| PI4K2B | -0.0385804 | 0.4306665 | -0.0896 | 0.929 | -0.03396929 | count | 1 |
| B4GAT1 | -0.1900327 | 0.5200806 | -0.3654 | 0.715 | -0.033963261 | count | 1 |
| EDEM1 | -0.025364 | 0.1617872 | -0.1568 | 0.875 | -0.033725345 | count | 1 |
| SNHG21 | -0.0398001 | 0.472683 | -0.0842 | 0.933 | -0.033656427 | count | 1 |
| CFAP20 | -0.0273646 | 0.2391493 | -0.1144 | 0.909 | -0.033642934 | count | 1 |
| EXO5 | -0.1027908 | 0.6686335 | -0.1537 | 0.878 | -0.033485471 | count | 1 |
| RNASE3 | -0.1027908 | 0.7692206 | -0.1336 | 0.894 | -0.033485471 | count | 1 |
| HLA-DQA2 | -0.0414656 | 0.071022 | -0.5838 | 0.559 | -0.033428278 | count | 1 |
| TMEM59 | -0.0233789 | 0.0461625 | -0.5064 | 0.6126 | -0.03342431 | count | 1 |
| AC027307.2 | -0.0404357 | 0.9481758 | -0.0426 | 0.966 | -0.033422246 | count | 1 |
| NUDT21 | -0.0252219 | 0.1466464 | -0.172 | 0.863 | -0.033261248 | count | 1 |
| TES | -0.0257414 | 0.1610998 | -0.1598 | 0.873 | -0.033244169 | count | 1 |
| WDR19 | -0.129056 | 0.7171531 | -0.18 | 0.857 | -0.033164618 | count | 1 |
| PTGES2 | -0.0248052 | 0.1561595 | -0.1588 | 0.874 | -0.033138293 | count | 1 |
| SOX12 | -0.0573648 | 0.5806912 | -0.0988 | 0.921 | -0.033107566 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|-------|--------------|-------|---|
| RSU1 | -0.0242469 | 0.1247935 | -0.1943 | 0.846 | -0.033047023 | count | 1 |
| ABAT | -0.0485221 | 0.4361594 | -0.1112 | 0.911 | -0.032999558 | count | 1 |
| CYB561 | -0.0746182 | 0.4982688 | -0.1498 | 0.881 | -0.032989075 | count | 1 |
| PRR5L | -0.1282531 | 0.5210643 | -0.2461 | 0.806 | -0.032966004 | count | 1 |
| SLC35D1 | -0.0614305 | 0.491198 | -0.1251 | 0.9 | -0.032951196 | count | 1 |
| AEBP2 | -0.0283037 | 0.2642395 | -0.1071 | 0.915 | -0.03285273 | count | 1 |
| ME3 | -0.0534252 | 0.7556717 | -0.0707 | 0.944 | -0.032827844 | count | 1 |
| AP002433.1 | -0.0534252 | 1.600515 | -0.0334 | 0.973 | -0.032827844 | count | 1 |
| EPN1 | -0.0241584 | 0.1414789 | -0.1708 | 0.864 | -0.032816766 | count | 1 |
| C14orf28 | -0.0481235 | 0.51481 | -0.0935 | 0.926 | -0.032730899 | count | 1 |
| AIG1 | -0.0245022 | 0.1638724 | -0.1495 | 0.881 | -0.032674434 | count | 1 |
| MRPL54 | -0.0230234 | 0.0875137 | -0.2631 | 0.793 | -0.032491133 | count | 1 |
| AC021054.1 | -0.0391055 | 0.6059524 | -0.0645 | 0.949 | -0.032329218 | count | 1 |
| PPARGC1B | -0.0471376 | 0.3673814 | -0.1283 | 0.898 | -0.032066222 | count | 1 |
| NRL | -0.0724924 | 0.6170179 | -0.1175 | 0.906 | -0.03206592 | count | 1 |
| WBP2NL | -0.0724924 | 0.6773708 | -0.107 | 0.915 | -0.03206592 | count | 1 |
| ARSA | -0.0241245 | 0.1803236 | -0.1338 | 0.894 | -0.032045946 | count | 1 |
| DUSP5 | -0.0233499 | 0.1472752 | -0.1585 | 0.874 | -0.032036944 | count | 1 |
| SCO1 | -0.0275028 | 0.2326868 | -0.1182 | 0.906 | -0.032036647 | count | 1 |
| TIMM29 | -0.0297849 | 0.3333314 | -0.0894 | 0.929 | -0.032001436 | count | 1 |
| AL606760.1 | -0.3534516 | 1.0886027 | -0.3247 | 0.745 | -0.031881683 | count | 1 |
| AKIP1 | -0.0243736 | 0.2009209 | -0.1213 | 0.903 | -0.03186754 | count | 1 |
| SP140 | -0.0315416 | 0.2796445 | -0.1128 | 0.91 | -0.031788504 | count | 1 |
| CEP19 | -0.0447857 | 0.4525461 | -0.099 | 0.921 | -0.031770585 | count | 1 |
| AQP3 | -0.0641486 | 0.7468562 | -0.0859 | 0.932 | -0.031555809 | count | 1 |
| CASTOR1 | -0.0641486 | 0.6508201 | -0.0986 | 0.921 | -0.031555809 | count | 1 |
| CCDC122 | -0.0513307 | 0.5781847 | -0.0888 | 0.929 | -0.031554194 | count | 1 |
| AC048382.5 | -0.0513307 | 0.5767825 | -0.089 | 0.929 | -0.031554194 | count | 1 |
| AC020912.1 | -0.0513307 | 0.6636232 | -0.0773 | 0.938 | -0.031554194 | count | 1 |
| BSG | -0.0221264 | 0.062183 | -0.3558 | 0.722 | -0.031466634 | count | 1 |
| CD300LB | -0.0237946 | 0.1750606 | -0.1359 | 0.892 | -0.031220288 | count | 1 |
| BMP2K | -0.0224728 | 0.1004399 | -0.2237 | 0.823 | -0.031190932 | count | 1 |
| ERGIC3 | -0.0223059 | 0.1096122 | -0.2035 | 0.839 | -0.031122054 | count | 1 |
| ASL | -0.0256714 | 0.2126533 | -0.1207 | 0.904 | -0.031032443 | count | 1 |
| 8-Sep | -0.0628938 | 0.4571038 | -0.1376 | 0.891 | -0.030947563 | count | 1 |
| TMX1 | -0.0222269 | 0.1092657 | -0.2034 | 0.839 | -0.030776284 | count | 1 |
| DNAJC7 | -0.0218441 | 0.0910653 | -0.2399 | 0.81 | -0.03070697 | count | 1 |
| TAX1BP1 | -0.0214323 | 0.0617736 | -0.347 | 0.729 | -0.030479638 | count | 1 |
| KCTD17 | -0.0281968 | 0.3264824 | -0.0864 | 0.931 | -0.03029946 | count | 1 |
| CLP1 | -0.0254616 | 0.3477305 | -0.0732 | 0.942 | -0.030226049 | count | 1 |
| RECK | -0.02959 | 0.359519 | -0.0823 | 0.934 | -0.030111276 | count | 1 |
| HDAC2 | -0.0218182 | 0.1351507 | -0.1614 | 0.872 | -0.029759604 | count | 1 |
| KLF12 | -0.3266344 | 0.598754 | -0.5455 | 0.585 | -0.029730685 | count | 1 |
| AMDHD2 | -0.0229373 | 0.1727838 | -0.1328 | 0.894 | -0.029705589 | count | 1 |
| POLR2I | -0.0216049 | 0.1449221 | -0.1491 | 0.882 | -0.029692432 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|-------|--------------|-------|---|
| SLC25A24 | -0.0212998 | 0.1083702 | -0.1965 | 0.844 | -0.029685167 | count | 1 |
| FAM120C | -0.043477 | 0.4714073 | -0.0922 | 0.927 | -0.02959613 | count | 1 |
| LAGE3 | -0.0210847 | 0.1193525 | -0.1767 | 0.86 | -0.029393302 | count | 1 |
| ERLIN1 | -0.0243643 | 0.2001349 | -0.1217 | 0.903 | -0.029384544 | count | 1 |
| C22orf39 | -0.0220505 | 0.1804521 | -0.1222 | 0.903 | -0.029336736 | count | 1 |
| SIL1 | -0.0216267 | 0.1421885 | -0.1521 | 0.879 | -0.029287034 | count | 1 |
| EMP2 | -0.0236126 | 0.1482506 | -0.1593 | 0.873 | -0.029249019 | count | 1 |
| GLS | -0.0208697 | 0.1032725 | -0.2021 | 0.84 | -0.029180517 | count | 1 |
| ZNF436-AS1 | -0.074795 | 0.739756 | -0.1011 | 0.919 | -0.029038224 | count | 1 |
| ATL1 | -0.074795 | 0.820605 | -0.0911 | 0.927 | -0.029038224 | count | 1 |
| SOCS1 | -0.0241025 | 0.2669399 | -0.0903 | 0.928 | -0.028998249 | count | 1 |
| TSPAN10 | -0.1121364 | 0.8572018 | -0.1308 | 0.896 | -0.028958912 | count | 1 |
| RWDD2B | -0.0537838 | 0.5024399 | -0.107 | 0.915 | -0.02889831 | count | 1 |
| TMEM184B | -0.029922 | 0.402636 | -0.0743 | 0.941 | -0.028872593 | count | 1 |
| FAM20A | -0.0252243 | 0.2584414 | -0.0976 | 0.922 | -0.028842826 | count | 1 |
| ATF7 | -0.0230425 | 0.2205963 | -0.1045 | 0.917 | -0.02878019 | count | 1 |
| TNFSF13 | -0.0494352 | 0.5125449 | -0.0965 | 0.923 | -0.028578826 | count | 1 |
| WIZ | -0.0277386 | 0.4097817 | -0.0677 | 0.946 | -0.028486883 | count | 1 |
| GON4L | -0.0216525 | 0.1760384 | -0.123 | 0.902 | -0.028291635 | count | 1 |
| ACP6 | -0.0863188 | 1.0228455 | -0.0844 | 0.933 | -0.028246419 | count | 1 |
| TNNI2 | -0.0209966 | 0.1639822 | -0.128 | 0.898 | -0.028245861 | count | 1 |
| CAMKK1 | -0.0318096 | 0.4065224 | -0.0782 | 0.938 | -0.028033664 | count | 1 |
| NME7 | -0.027757 | 0.4432171 | -0.0626 | 0.95 | -0.027985465 | count | 1 |
| RNF10 | -0.0210434 | 0.1884996 | -0.1116 | 0.911 | -0.027787476 | count | 1 |
| C5orf24 | -0.0210254 | 0.1973048 | -0.1066 | 0.915 | -0.027763722 | count | 1 |
| MTHFD2L | -0.0207862 | 0.2197329 | -0.0946 | 0.925 | -0.027495586 | count | 1 |
| GSKIP | -0.0266123 | 0.2518034 | -0.1057 | 0.916 | -0.027089442 | count | 1 |
| EEF1E1 | -0.0203745 | 0.1839837 | -0.1107 | 0.912 | -0.027025201 | count | 1 |
| ASB6 | -0.0271279 | 0.4660601 | -0.0582 | 0.954 | -0.026796563 | count | 1 |
| SAE1 | -0.0224551 | 0.2151881 | -0.1044 | 0.917 | -0.02673705 | count | 1 |
| MGAT2 | -0.0203414 | 0.1616382 | -0.1258 | 0.9 | -0.026710247 | count | 1 |
| CYB5R3 | -0.0191094 | 0.1036584 | -0.1843 | 0.854 | -0.026684966 | count | 1 |
| CLIP1 | -0.0196668 | 0.1405472 | -0.1399 | 0.889 | -0.026657725 | count | 1 |
| ARMC5 | -0.0684699 | 0.4333411 | -0.158 | 0.874 | -0.02662588 | count | 1 |
| POLR1A | -0.029541 | 0.6845204 | -0.0432 | 0.966 | -0.026511096 | count | 1 |
| ANKZF1 | -0.0289927 | 0.3559068 | -0.0815 | 0.935 | -0.026455591 | count | 1 |
| GTPBP2 | -0.0248515 | 0.3385498 | -0.0734 | 0.941 | -0.026349571 | count | 1 |
| FKBP1B | -0.0258275 | 0.4026025 | -0.0642 | 0.949 | -0.026292698 | count | 1 |
| VSIG4 | -0.0184543 | 0.0712688 | -0.2589 | 0.796 | -0.026253618 | count | 1 |
| RTN2 | -0.0283103 | 0.3144348 | -0.09 | 0.928 | -0.02623687 | count | 1 |
| SBDS | -0.0185409 | 0.0801712 | -0.2313 | 0.817 | -0.026195207 | count | 1 |
| 11-Sep | -0.0198047 | 0.1386855 | -0.1428 | 0.886 | -0.026183123 | count | 1 |
| NUDC | -0.0186281 | 0.0864005 | -0.2156 | 0.829 | -0.026116991 | count | 1 |
| MRPS10 | -0.0197716 | 0.1508159 | -0.1311 | 0.896 | -0.026046055 | count | 1 |
| LAMA4 | -0.2805033 | 0.9408038 | -0.2982 | 0.766 | -0.025930991 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|-------|--------------|-------|---|
| OMG | -0.2805033 | 0.944513 | -0.297 | 0.767 | -0.025930991 | count | 1 |
| NSMCE4A | -0.020122 | 0.2108439 | -0.0954 | 0.924 | -0.025815537 | count | 1 |
| AL583839.1 | -0.0993269 | 1.1103791 | -0.0895 | 0.929 | -0.025746366 | count | 1 |
| APBB1 | -0.0993269 | 0.8636628 | -0.115 | 0.908 | -0.025746366 | count | 1 |
| AC032044.1 | -0.0993269 | 0.7801571 | -0.1273 | 0.899 | -0.025746366 | count | 1 |
| SFT2D1 | -0.0182797 | 0.0862946 | -0.2118 | 0.832 | -0.025722176 | count | 1 |
| NCLN | -0.021072 | 0.2393906 | -0.088 | 0.93 | -0.02570721 | count | 1 |
| NOXA1 | -0.0348177 | 0.4224553 | -0.0824 | 0.934 | -0.025673774 | count | 1 |
| SCCPDH | -0.0191506 | 0.1659952 | -0.1154 | 0.908 | -0.025480622 | count | 1 |
| DEPDC7 | -0.2750998 | 0.9383558 | -0.2932 | 0.769 | -0.025477598 | count | 1 |
| VASN | -0.2750998 | 1.056868 | -0.2603 | 0.795 | -0.025477598 | count | 1 |
| AC015726.1 | -0.2750998 | 1.010125 | -0.2723 | 0.785 | -0.025477598 | count | 1 |
| LYPD5 | -0.2750998 | 0.9383558 | -0.2932 | 0.769 | -0.025477598 | count | 1 |
| RBFOX2 | -0.2750998 | 0.8732483 | -0.315 | 0.753 | -0.025477598 | count | 1 |
| AL353194.1 | -0.0254939 | 0.3950396 | -0.0645 | 0.949 | -0.025454495 | count | 1 |
| LY75 | -0.0332729 | 0.4867947 | -0.0684 | 0.946 | -0.025367718 | count | 1 |
| MCUR1 | -0.018493 | 0.1427297 | -0.1296 | 0.897 | -0.02532029 | count | 1 |
| C12orf73 | -0.0223755 | 0.3101121 | -0.0722 | 0.942 | -0.0252634 | count | 1 |
| ACVR1B | -0.0245726 | 0.4673289 | -0.0526 | 0.958 | -0.025243535 | count | 1 |
| CHD9 | -0.0180591 | 0.1065944 | -0.1694 | 0.865 | -0.025162814 | count | 1 |
| IMP4 | -0.0182622 | 0.1687739 | -0.1082 | 0.914 | -0.025125864 | count | 1 |
| RABL6 | -0.0188623 | 0.1706376 | -0.1105 | 0.912 | -0.025059521 | count | 1 |
| CPOX | -0.0464429 | 0.4428733 | -0.1049 | 0.916 | -0.024994388 | count | 1 |
| TMEM19 | -0.0197518 | 0.233369 | -0.0846 | 0.933 | -0.024958797 | count | 1 |
| TRMT112 | -0.0174531 | 0.0586484 | -0.2976 | 0.766 | -0.024910585 | count | 1 |
| CCDC28B | -0.0239739 | 0.387207 | -0.0619 | 0.951 | -0.024629973 | count | 1 |
| RPS21 | -0.0170653 | 0.0336813 | -0.5067 | 0.612 | -0.024499618 | count | 1 |
| TAF6 | -0.0234492 | 0.3335291 | -0.0703 | 0.944 | -0.024495087 | count | 1 |
| ETV7 | -0.0453593 | 0.4918975 | -0.0922 | 0.927 | -0.024417039 | count | 1 |
| TAF3 | -0.0196808 | 0.1975906 | -0.0996 | 0.921 | -0.024383422 | count | 1 |
| AGAP3 | -0.0200172 | 0.1975639 | -0.1013 | 0.919 | -0.024369539 | count | 1 |
| RAB30 | -0.1336637 | 0.6726742 | -0.1987 | 0.843 | -0.02431144 | count | 1 |
| APEX1 | -0.0172194 | 0.0754324 | -0.2283 | 0.819 | -0.024261574 | count | 1 |
| ARF3 | -0.0173788 | 0.1181641 | -0.1471 | 0.883 | -0.023902647 | count | 1 |
| CLDN1 | -0.0179453 | 0.2441523 | -0.0735 | 0.941 | -0.02388938 | count | 1 |
| CAB39L | -0.0267968 | 0.5411919 | -0.0495 | 0.961 | -0.02363203 | count | 1 |
| PPP6C | -0.0176203 | 0.1561547 | -0.1128 | 0.91 | -0.023554414 | count | 1 |
| GPRC5A | -0.0316509 | 0.6867439 | -0.0461 | 0.963 | -0.023351299 | count | 1 |
| HIST1H2BD | -0.1271926 | 0.7326831 | -0.1736 | 0.862 | -0.02318078 | count | 1 |
| EPCAM | -0.1260721 | 0.983862 | -0.1281 | 0.898 | -0.022984527 | count | 1 |
| CLEC4F | -0.1260721 | 0.7855534 | -0.1605 | 0.873 | -0.022984527 | count | 1 |
| DDX42 | -0.0171275 | 0.1849735 | -0.0926 | 0.926 | -0.022778788 | count | 1 |
| LINC01315 | -0.0288868 | 0.5722713 | -0.0505 | 0.96 | -0.022708315 | count | 1 |
| GDE1 | -0.0174881 | 0.1477941 | -0.1183 | 0.906 | -0.022652864 | count | 1 |
| PID1 | -0.0162732 | 0.1235756 | -0.1317 | 0.895 | -0.022631445 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|-------|--------------|-------|---|
| NDRG2 | -0.0243217 | 0.2588876 | -0.0939 | 0.925 | -0.022551639 | count | 1 |
| PSD3 | -0.0203391 | 0.3299905 | -0.0616 | 0.951 | -0.02240177 | count | 1 |
| REX1BD | -0.0157211 | 0.0692439 | -0.227 | 0.82 | -0.022395664 | count | 1 |
| DYNC1H1 | -0.0158342 | 0.1268424 | -0.1248 | 0.901 | -0.022132735 | count | 1 |
| PEX26 | -0.0221436 | 0.360051 | -0.0615 | 0.951 | -0.022117347 | count | 1 |
| APBB3 | -0.0173892 | 0.2214364 | -0.0785 | 0.937 | -0.021823545 | count | 1 |
| TM6SF1 | -0.0159575 | 0.1503269 | -0.1062 | 0.915 | -0.021579194 | count | 1 |
| WFS1 | -0.0432701 | 0.6256901 | -0.0692 | 0.945 | -0.021388302 | count | 1 |
| SEC61A2 | -0.0476723 | 0.8900487 | -0.0536 | 0.957 | -0.021214911 | count | 1 |
| PAPLN | -0.0476723 | 0.7610162 | -0.0626 | 0.95 | -0.021214911 | count | 1 |
| NOL10 | -0.019679 | 0.2735561 | -0.0719 | 0.943 | -0.021162549 | count | 1 |
| PTOV1 | -0.0159826 | 0.2163023 | -0.0739 | 0.941 | -0.02100344 | count | 1 |
| CDK19 | -0.018637 | 0.2901403 | -0.0642 | 0.949 | -0.020951554 | count | 1 |
| AC069185.1 | -0.035986 | 0.7114562 | -0.0506 | 0.96 | -0.020862563 | count | 1 |
| AL021707.6 | -0.0628679 | 0.6113293 | -0.1028 | 0.918 | -0.020704046 | count | 1 |
| SULT1B1 | -0.2181436 | 0.5966145 | -0.3656 | 0.715 | -0.020590943 | count | 1 |
| CPT2 | -0.0188864 | 0.3045988 | -0.062 | 0.951 | -0.020567004 | count | 1 |
| RFC3 | -0.0237273 | 0.625168 | -0.038 | 0.97 | -0.020534926 | count | 1 |
| SHLD1 | -0.0168126 | 0.2756576 | -0.061 | 0.951 | -0.020426859 | count | 1 |
| FTCDNL1 | -0.0295667 | 0.4971945 | -0.0595 | 0.953 | -0.020178775 | count | 1 |
| ENKD1 | -0.0294338 | 0.5672956 | -0.0519 | 0.959 | -0.020088565 | count | 1 |
| NDUFS8 | -0.0141766 | 0.0772392 | -0.1835 | 0.854 | -0.020045621 | count | 1 |
| MIR99AHG | -0.2107859 | 0.7048752 | -0.299 | 0.765 | -0.019945219 | count | 1 |
| RPS19BP1 | -0.0140755 | 0.0958601 | -0.1468 | 0.883 | -0.019894037 | count | 1 |
| GIGYF2 | -0.0152505 | 0.1753501 | -0.087 | 0.931 | -0.01985487 | count | 1 |
| MED27 | -0.0166489 | 0.2613167 | -0.0637 | 0.949 | -0.019830689 | count | 1 |
| F8 | -0.0340239 | 0.528005 | -0.0644 | 0.949 | -0.01973315 | count | 1 |
| AC098613.1 | -0.0213235 | 0.4292379 | -0.0497 | 0.96 | -0.019476678 | count | 1 |
| AC024257.3 | -0.1041948 | 0.735075 | -0.1417 | 0.887 | -0.019124562 | count | 1 |
| ARHGDI | -0.0134587 | 0.0689492 | -0.1952 | 0.845 | -0.0190935 | count | 1 |
| ZNF658 | -0.0385804 | 0.7851412 | -0.0491 | 0.961 | -0.019090777 | count | 1 |
| ABHD2 | -0.0141842 | 0.1487442 | -0.0954 | 0.924 | -0.019048628 | count | 1 |
| MRPL35 | -0.0143826 | 0.1813841 | -0.0793 | 0.937 | -0.018973146 | count | 1 |
| TTLL7 | -0.0724924 | 0.9737966 | -0.0744 | 0.941 | -0.018936709 | count | 1 |
| BX323046.1 | -0.0724924 | 1.0410207 | -0.0696 | 0.944 | -0.018936709 | count | 1 |
| AC018638.7 | -0.0724924 | 1.3091132 | -0.0554 | 0.956 | -0.018936709 | count | 1 |
| AL365203.2 | -0.0724924 | 1.125101 | -0.0644 | 0.949 | -0.018936709 | count | 1 |
| ODF3L1 | -0.0724924 | 0.8723876 | -0.0831 | 0.934 | -0.018936709 | count | 1 |
| KCNG2 | -0.0724924 | 0.8723876 | -0.0831 | 0.934 | -0.018936709 | count | 1 |
| ZNF737 | -0.0724924 | 0.8723876 | -0.0831 | 0.934 | -0.018936709 | count | 1 |
| KYNU | -0.0137993 | 0.1200212 | -0.115 | 0.908 | -0.018850822 | count | 1 |
| REL | -0.0131557 | 0.0601545 | -0.2187 | 0.827 | -0.018817994 | count | 1 |
| C16orf91 | -0.0146488 | 0.2603399 | -0.0563 | 0.955 | -0.018758169 | count | 1 |
| APEX2 | -0.0160641 | 0.3353043 | -0.0479 | 0.962 | -0.018726672 | count | 1 |
| OXSRI | -0.0136744 | 0.1482718 | -0.0922 | 0.927 | -0.01865451 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|--------|--------------|-------|---|
| LCK | -0.0565368 | 1.0144026 | -0.0557 | 0.956 | -0.01865097 | count | 1 |
| AC013400.1 | -0.0565368 | 1.0142335 | -0.0557 | 0.956 | -0.01865097 | count | 1 |
| AP003469.4 | -0.0565368 | 1.0139229 | -0.0558 | 0.956 | -0.01865097 | count | 1 |
| ZBTB26 | -0.0565368 | 1.2100903 | -0.0467 | 0.963 | -0.01865097 | count | 1 |
| DTX4 | -0.0565368 | 0.9001992 | -0.0628 | 0.95 | -0.01865097 | count | 1 |
| AC000403.1 | -0.0565368 | 1.0144026 | -0.0557 | 0.956 | -0.01865097 | count | 1 |
| SULT1A3 | -0.0565368 | 0.9007395 | -0.0628 | 0.95 | -0.01865097 | count | 1 |
| PLD6 | -0.0565368 | 0.9012795 | -0.0627 | 0.95 | -0.01865097 | count | 1 |
| RIPOR3 | -0.0565368 | 0.9009299 | -0.0628 | 0.95 | -0.01865097 | count | 1 |
| SH3GLB1 | -0.0129548 | 0.072309 | -0.1792 | 0.858 | -0.018430363 | count | 1 |
| ENY2 | -0.0128983 | 0.0521871 | -0.2472 | 0.8048 | -0.018422559 | count | 1 |
| PIK3IP1 | -0.0164025 | 0.180042 | -0.0911 | 0.927 | -0.018354685 | count | 1 |
| TECPR1 | -0.0168154 | 0.3539796 | -0.0475 | 0.962 | -0.018203446 | count | 1 |
| FUBP3 | -0.0159463 | 0.2658895 | -0.06 | 0.952 | -0.018170925 | count | 1 |
| HELZ2 | -0.0176618 | 0.3039154 | -0.0581 | 0.954 | -0.018156645 | count | 1 |
| SMARCD1 | -0.0144493 | 0.2095989 | -0.0689 | 0.945 | -0.018109624 | count | 1 |
| MXD4 | -0.0129074 | 0.0996114 | -0.1296 | 0.897 | -0.017987379 | count | 1 |
| ZNF764 | -0.021639 | 0.6821725 | -0.0317 | 0.975 | -0.017936034 | count | 1 |
| SIAH1 | -0.0139288 | 0.1872051 | -0.0744 | 0.941 | -0.017928276 | count | 1 |
| VPS28 | -0.0124521 | 0.0506623 | -0.2458 | 0.8059 | -0.017794965 | count | 1 |
| HACL1 | -0.0144907 | 0.2479091 | -0.0585 | 0.953 | -0.017486375 | count | 1 |
| CHAC2 | -0.0525326 | 0.6056301 | -0.0867 | 0.931 | -0.017348779 | count | 1 |
| TBL1XR1 | -0.0126988 | 0.1548614 | -0.082 | 0.935 | -0.017146041 | count | 1 |
| RPL9 | -0.0117897 | 0.0249189 | -0.4731 | 0.636 | -0.016974775 | count | 1 |
| COX6A1 | -0.0118293 | 0.0458183 | -0.2582 | 0.796 | -0.016954297 | count | 1 |
| KLF16 | -0.013063 | 0.1779658 | -0.0734 | 0.941 | -0.016862677 | count | 1 |
| IDI1 | -0.0121836 | 0.1083395 | -0.1125 | 0.91 | -0.016822151 | count | 1 |
| RAD54L2 | -0.0170092 | 0.3906656 | -0.0435 | 0.965 | -0.016820166 | count | 1 |
| SMIM19 | -0.0120157 | 0.1295055 | -0.0928 | 0.926 | -0.016618182 | count | 1 |
| PHF13 | -0.0138227 | 0.253473 | -0.0545 | 0.957 | -0.016598662 | count | 1 |
| SVBP | -0.0118886 | 0.1253629 | -0.0948 | 0.924 | -0.016580968 | count | 1 |
| MYO7A | -0.0267699 | 0.3365705 | -0.0795 | 0.937 | -0.016537406 | count | 1 |
| PSMB4 | -0.011658 | 0.0790112 | -0.1475 | 0.883 | -0.016360445 | count | 1 |
| SERPING1 | -0.0117558 | 0.1394859 | -0.0843 | 0.933 | -0.016236263 | count | 1 |
| MACO1 | -0.0126202 | 0.2194539 | -0.0575 | 0.954 | -0.015993343 | count | 1 |
| HSPA8 | -0.0111344 | 0.0470068 | -0.2369 | 0.813 | -0.015985088 | count | 1 |
| PSMG2 | -0.0113304 | 0.0783017 | -0.1447 | 0.885 | -0.015956718 | count | 1 |
| PEX10 | -0.0153507 | 0.2958503 | -0.0519 | 0.959 | -0.015918945 | count | 1 |
| SLMAP | -0.0131747 | 0.2382609 | -0.0553 | 0.956 | -0.015899509 | count | 1 |
| GTPBP3 | -0.0176184 | 0.3554724 | -0.0496 | 0.96 | -0.015836226 | count | 1 |
| USE1 | -0.0119313 | 0.1717095 | -0.0695 | 0.945 | -0.01579539 | count | 1 |
| TAF15 | -0.0120843 | 0.1370106 | -0.0882 | 0.93 | -0.015709125 | count | 1 |
| ZNF605 | -0.0204961 | 0.4780347 | -0.0429 | 0.966 | -0.015659399 | count | 1 |
| DTD2 | -0.0240002 | 0.6451428 | -0.0372 | 0.97 | -0.01564763 | count | 1 |
| ICAM4 | -0.0211453 | 0.505142 | -0.0419 | 0.967 | -0.015628481 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|-------|--------------|-------|---|
| EIF2B2 | -0.0134035 | 0.2588133 | -0.0518 | 0.959 | -0.015627867 | count | 1 |
| MRPS30 | -0.0128116 | 0.2264117 | -0.0566 | 0.955 | -0.015603343 | count | 1 |
| UCKL1 | -0.0126354 | 0.2624087 | -0.0482 | 0.962 | -0.015575565 | count | 1 |
| CCM2 | -0.0114824 | 0.1355631 | -0.0847 | 0.933 | -0.01552907 | count | 1 |
| SOAT1 | -0.0113258 | 0.1518257 | -0.0746 | 0.941 | -0.015479428 | count | 1 |
| OGFOD3 | -0.0118488 | 0.1941622 | -0.061 | 0.951 | -0.015377541 | count | 1 |
| RPS16 | -0.0106162 | 0.0268453 | -0.3955 | 0.693 | -0.015281429 | count | 1 |
| CYP20A1 | -0.0111393 | 0.1628329 | -0.0684 | 0.945 | -0.015151738 | count | 1 |
| ZC3H18 | -0.0118174 | 0.1743732 | -0.0678 | 0.946 | -0.015101233 | count | 1 |
| CDC5L | -0.0108518 | 0.1076655 | -0.1008 | 0.92 | -0.015044847 | count | 1 |
| FDX2 | -0.0157441 | 0.422913 | -0.0372 | 0.97 | -0.015026081 | count | 1 |
| BPGM | -0.0138948 | 0.4024136 | -0.0345 | 0.972 | -0.014747313 | count | 1 |
| ATXN7L1 | -0.019264 | 0.3701775 | -0.052 | 0.959 | -0.014721025 | count | 1 |
| CSDE1 | -0.010373 | 0.0787261 | -0.1318 | 0.895 | -0.014646274 | count | 1 |
| GBP7 | -0.0784495 | 0.9799505 | -0.0801 | 0.936 | -0.014513267 | count | 1 |
| UGDH-AS1 | -0.0784495 | 0.9799505 | -0.0801 | 0.936 | -0.014513267 | count | 1 |
| BEND6 | -0.0784495 | 0.9799505 | -0.0801 | 0.936 | -0.014513267 | count | 1 |
| AC069503.2 | -0.0784495 | 0.9799505 | -0.0801 | 0.936 | -0.014513267 | count | 1 |
| CPNE3 | -0.0103901 | 0.1224102 | -0.0849 | 0.932 | -0.014503449 | count | 1 |
| RBM12B | -0.0146357 | 0.3373067 | -0.0434 | 0.965 | -0.014476808 | count | 1 |
| SDF2 | -0.0105891 | 0.1355523 | -0.0781 | 0.938 | -0.01447592 | count | 1 |
| NDUFB10 | -0.0101145 | 0.0575249 | -0.1758 | 0.86 | -0.014426595 | count | 1 |
| C17orf75 | -0.0132468 | 0.3091791 | -0.0428 | 0.966 | -0.014344721 | count | 1 |
| AL031590.1 | -0.1469191 | 0.9794685 | -0.15 | 0.881 | -0.014199145 | count | 1 |
| NDUFB3 | -0.0100435 | 0.0828919 | -0.1212 | 0.904 | -0.014159336 | count | 1 |
| DNAJC24 | -0.0125493 | 0.3225985 | -0.0389 | 0.969 | -0.014114419 | count | 1 |
| STEAP3 | -0.0172672 | 0.4006271 | -0.0431 | 0.966 | -0.013972253 | count | 1 |
| AC004918.1 | -0.018076 | 0.5090394 | -0.0355 | 0.972 | -0.013815875 | count | 1 |
| TXLNG | -0.0125268 | 0.2626809 | -0.0477 | 0.962 | -0.013806077 | count | 1 |
| MISP3 | -0.0235154 | 0.5429098 | -0.0433 | 0.965 | -0.013668365 | count | 1 |
| ACSL1 | -0.0098827 | 0.0989038 | -0.0999 | 0.92 | -0.013587181 | count | 1 |
| COX6B1 | -0.0094493 | 0.0375592 | -0.2516 | 0.801 | -0.01356311 | count | 1 |
| SUPT6H | -0.0100399 | 0.1483739 | -0.0677 | 0.946 | -0.013374733 | count | 1 |
| KIF21B | -0.0337554 | 0.5688031 | -0.0593 | 0.953 | -0.013243408 | count | 1 |
| RTF2 | -0.0093803 | 0.0937161 | -0.1001 | 0.92 | -0.013224425 | count | 1 |
| MT-ND4 | -0.009154 | 0.030785 | -0.2974 | 0.766 | -0.013191465 | count | 1 |
| HGH1 | -0.0201299 | 0.423416 | -0.0475 | 0.962 | -0.013133977 | count | 1 |
| DNMBP | -0.013904 | 0.2995757 | -0.0464 | 0.963 | -0.013095557 | count | 1 |
| ATG12 | -0.0094561 | 0.1315941 | -0.0719 | 0.943 | -0.013039218 | count | 1 |
| BMP8B | -0.1336637 | 0.9509513 | -0.1406 | 0.888 | -0.012974586 | count | 1 |
| PASK | -0.1336637 | 0.9509513 | -0.1406 | 0.888 | -0.012974586 | count | 1 |
| MEG8 | -0.1336637 | 0.9509513 | -0.1406 | 0.888 | -0.012974586 | count | 1 |
| ZNF726 | -0.1336637 | 0.9509513 | -0.1406 | 0.888 | -0.012974586 | count | 1 |
| AL117339.5 | -0.0281243 | 0.6543517 | -0.043 | 0.966 | -0.012574952 | count | 1 |
| AC002467.1 | -0.0200135 | 0.4079213 | -0.0491 | 0.961 | -0.012380215 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|-------|--------------|-------|---|
| ZCRB1 | -0.008834 | 0.1140657 | -0.0774 | 0.938 | -0.012292874 | count | 1 |
| BLVRA | -0.0086177 | 0.0791809 | -0.1088 | 0.913 | -0.012193015 | count | 1 |
| ATAD3B | -0.0129954 | 0.3567003 | -0.0364 | 0.971 | -0.012066626 | count | 1 |
| LRCH3 | -0.0110338 | 0.4430569 | -0.0249 | 0.98 | -0.012023695 | count | 1 |
| HLA-A | -0.0083394 | 0.0296317 | -0.2814 | 0.778 | -0.012011713 | count | 1 |
| PDE6B | -0.0152062 | 0.4556386 | -0.0334 | 0.973 | -0.01197976 | count | 1 |
| UTP14C | -0.01611 | 0.4490502 | -0.0359 | 0.971 | -0.011917072 | count | 1 |
| ESD | -0.0083413 | 0.0835916 | -0.0998 | 0.921 | -0.011792126 | count | 1 |
| NAPG | -0.0086616 | 0.1769311 | -0.049 | 0.961 | -0.011610587 | count | 1 |
| LINC02345 | -0.0210579 | 0.2940691 | -0.0716 | 0.943 | -0.011395924 | count | 1 |
| RAB4B | -0.0229377 | 0.6788291 | -0.0338 | 0.973 | -0.011391026 | count | 1 |
| POU5F2 | -0.0148738 | 0.6955894 | -0.0214 | 0.983 | -0.011374322 | count | 1 |
| SAMHD1 | -0.0079009 | 0.0592148 | -0.1334 | 0.894 | -0.011268035 | count | 1 |
| RAB11FIP1 | -0.0077944 | 0.0857425 | -0.0909 | 0.928 | -0.011116485 | count | 1 |
| UBXN10-AS1 | -0.1121364 | 1.283587 | -0.0874 | 0.93 | -0.0109622 | count | 1 |
| AL357055.3 | -0.1121364 | 1.296036 | -0.0865 | 0.931 | -0.0109622 | count | 1 |
| TTC30B | -0.1121364 | 1.296036 | -0.0865 | 0.931 | -0.0109622 | count | 1 |
| ATG9A | -0.1121364 | 1.283587 | -0.0874 | 0.93 | -0.0109622 | count | 1 |
| CD96 | -0.1121364 | 1.296036 | -0.0865 | 0.931 | -0.0109622 | count | 1 |
| ACTRT3 | -0.1121364 | 1.296036 | -0.0865 | 0.931 | -0.0109622 | count | 1 |
| AC008957.1 | -0.1121364 | 1.296036 | -0.0865 | 0.931 | -0.0109622 | count | 1 |
| PRR16 | -0.1121364 | 1.296036 | -0.0865 | 0.931 | -0.0109622 | count | 1 |
| CHSY3 | -0.1121364 | 1.296036 | -0.0865 | 0.931 | -0.0109622 | count | 1 |
| TTC26 | -0.1121364 | 1.296036 | -0.0865 | 0.931 | -0.0109622 | count | 1 |
| LINC01546 | -0.1121364 | 1.296036 | -0.0865 | 0.931 | -0.0109622 | count | 1 |
| CTHRC1 | -0.1121364 | 1.296036 | -0.0865 | 0.931 | -0.0109622 | count | 1 |
| SPATC1 | -0.1121364 | 1.283587 | -0.0874 | 0.93 | -0.0109622 | count | 1 |
| AQP11 | -0.1121364 | 1.283587 | -0.0874 | 0.93 | -0.0109622 | count | 1 |
| AP002986.1 | -0.1121364 | 1.283587 | -0.0874 | 0.93 | -0.0109622 | count | 1 |
| AL158211.3 | -0.1121364 | 1.296036 | -0.0865 | 0.931 | -0.0109622 | count | 1 |
| OXGR1 | -0.1121364 | 1.313611 | -0.0854 | 0.932 | -0.0109622 | count | 1 |
| AC123768.4 | -0.1121364 | 1.296036 | -0.0865 | 0.931 | -0.0109622 | count | 1 |
| EFCAB5 | -0.1121364 | 1.313611 | -0.0854 | 0.932 | -0.0109622 | count | 1 |
| CDK5R1 | -0.1121364 | 1.296036 | -0.0865 | 0.931 | -0.0109622 | count | 1 |
| AL121760.1 | -0.1121364 | 1.296036 | -0.0865 | 0.931 | -0.0109622 | count | 1 |
| LMTK3 | -0.1121364 | 1.296036 | -0.0865 | 0.931 | -0.0109622 | count | 1 |
| C19orf84 | -0.1121364 | 1.296036 | -0.0865 | 0.931 | -0.0109622 | count | 1 |
| AC008735.2 | -0.1121364 | 1.283587 | -0.0874 | 0.93 | -0.0109622 | count | 1 |
| SCO2 | -0.1121364 | 1.283587 | -0.0874 | 0.93 | -0.0109622 | count | 1 |
| NRDC | -0.0077917 | 0.107479 | -0.0725 | 0.942 | -0.010960884 | count | 1 |
| TRIM38 | -0.0079105 | 0.101506 | -0.0779 | 0.938 | -0.010942638 | count | 1 |
| PPP2R2B | -0.0586752 | 0.678121 | -0.0865 | 0.931 | -0.010920709 | count | 1 |
| PIWIL4 | -0.0586752 | 0.7053292 | -0.0832 | 0.934 | -0.010920709 | count | 1 |
| SERTAD1 | -0.0076772 | 0.0834978 | -0.0919 | 0.927 | -0.010864841 | count | 1 |
| NTPCR | -0.0079504 | 0.1909507 | -0.0416 | 0.967 | -0.010721395 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|-------|--------------|-------|---|
| NEPRO | -0.0089905 | 0.2612978 | -0.0344 | 0.973 | -0.010683676 | count | 1 |
| AAK1 | -0.007679 | 0.1205068 | -0.0637 | 0.949 | -0.010604801 | count | 1 |
| TRAPPC1 | -0.0071901 | 0.0714085 | -0.1007 | 0.92 | -0.010221814 | count | 1 |
| CENPU | -0.0092679 | 0.3120676 | -0.0297 | 0.976 | -0.010217099 | count | 1 |
| OXER1 | -0.0181484 | 0.6418595 | -0.0283 | 0.977 | -0.009827601 | count | 1 |
| SARS2 | -0.0181484 | 0.578512 | -0.0314 | 0.975 | -0.009827601 | count | 1 |
| UBE2D2 | -0.0067321 | 0.0603373 | -0.1116 | 0.911 | -0.009584119 | count | 1 |
| CHTF18 | -0.0284633 | 0.6695821 | -0.0425 | 0.966 | -0.009460999 | count | 1 |
| AL355816.2 | -0.0355042 | 0.6879268 | -0.0516 | 0.959 | -0.009373214 | count | 1 |
| SCLY | -0.0355042 | 0.6879268 | -0.0516 | 0.959 | -0.009373214 | count | 1 |
| ZFR | -0.0067953 | 0.1127243 | -0.0603 | 0.952 | -0.009332952 | count | 1 |
| RPS2 | -0.0064118 | 0.0255213 | -0.2512 | 0.802 | -0.009241763 | count | 1 |
| HADHA | -0.0064678 | 0.0532957 | -0.1214 | 0.903 | -0.009216634 | count | 1 |
| PPOX | -0.0108867 | 0.3709525 | -0.0293 | 0.977 | -0.009038084 | count | 1 |
| GOT1 | -0.0086555 | 0.4737062 | -0.0183 | 0.985 | -0.008906018 | count | 1 |
| CKS1B | -0.006824 | 0.2476313 | -0.0276 | 0.978 | -0.008459897 | count | 1 |
| SPRYD7 | -0.006793 | 0.255385 | -0.0266 | 0.979 | -0.008406695 | count | 1 |
| VAMP7 | -0.0065347 | 0.2356402 | -0.0277 | 0.978 | -0.00840509 | count | 1 |
| RBBP5 | -0.0073755 | 0.3063728 | -0.0241 | 0.981 | -0.008336869 | count | 1 |
| WTAP | -0.0058649 | 0.0878465 | -0.0668 | 0.947 | -0.008269602 | count | 1 |
| STRIP1 | -0.0090681 | 0.3444029 | -0.0263 | 0.979 | -0.008159958 | count | 1 |
| DUSP10 | -0.0063025 | 0.1943798 | -0.0324 | 0.974 | -0.008106499 | count | 1 |
| ZCCHC7 | -0.0063542 | 0.1977003 | -0.0321 | 0.974 | -0.00791743 | count | 1 |
| TAF2 | -0.0076595 | 0.294797 | -0.026 | 0.979 | -0.007881972 | count | 1 |
| INAFM1 | -0.0058417 | 0.2248613 | -0.026 | 0.979 | -0.007513932 | count | 1 |
| MYL12B | -0.0050916 | 0.0366228 | -0.139 | 0.889 | -0.007313741 | count | 1 |
| GDPD1 | -0.0070711 | 0.5017169 | -0.0141 | 0.989 | -0.007144763 | count | 1 |
| FAM49A | -0.005212 | 0.1191563 | -0.0437 | 0.965 | -0.007131926 | count | 1 |
| RABIF | -0.0054175 | 0.2169615 | -0.025 | 0.98 | -0.007107467 | count | 1 |
| HNRNPDL | -0.0048228 | 0.0446583 | -0.108 | 0.914 | -0.006911617 | count | 1 |
| HSPA1L | -0.0673866 | 0.6909164 | -0.0975 | 0.922 | -0.006684588 | count | 1 |
| CXorf38 | -0.0048802 | 0.137054 | -0.0356 | 0.972 | -0.006670752 | count | 1 |
| RCN2 | -0.0051452 | 0.1831305 | -0.0281 | 0.978 | -0.006597983 | count | 1 |
| PFDN6 | -0.0048416 | 0.1618714 | -0.0299 | 0.976 | -0.006456765 | count | 1 |
| KEAP1 | -0.0055732 | 0.2574273 | -0.0216 | 0.983 | -0.006407152 | count | 1 |
| GALR2 | -0.0069628 | 0.5324364 | -0.0131 | 0.99 | -0.00626722 | count | 1 |
| EIF2S2 | -0.0042408 | 0.076337 | -0.0556 | 0.956 | -0.006033675 | count | 1 |
| PLCB3 | -0.0055212 | 0.3278971 | -0.0168 | 0.987 | -0.005777379 | count | 1 |
| NUP35 | -0.0075239 | 0.4300673 | -0.0175 | 0.986 | -0.005760594 | count | 1 |
| AL118506.1 | -0.006633 | 0.4161379 | -0.0159 | 0.987 | -0.005754224 | count | 1 |
| CDK5RAP1 | -0.0048043 | 0.2799522 | -0.0172 | 0.986 | -0.005604801 | count | 1 |
| ELOB | -0.0038522 | 0.0458275 | -0.0841 | 0.933 | -0.005524374 | count | 1 |
| ERLEC1 | -0.0038967 | 0.1450108 | -0.0269 | 0.979 | -0.00539135 | count | 1 |
| CDK13 | -0.0039838 | 0.1637869 | -0.0243 | 0.981 | -0.005263186 | count | 1 |
| NPIPB5 | -0.0044793 | 0.3055298 | -0.0147 | 0.988 | -0.005188989 | count | 1 |

| | | | | | | | |
|------------|------------|-----------|---------|-------|--------------|-------|---|
| ZNF557 | -0.0047318 | 0.3944118 | -0.012 | 0.99 | -0.004912047 | count | 1 |
| MRPL57 | -0.003367 | 0.0765229 | -0.044 | 0.965 | -0.004764205 | count | 1 |
| GBA | -0.0037644 | 0.209615 | -0.018 | 0.986 | -0.004760055 | count | 1 |
| DNAAF1 | -0.0468521 | 0.257251 | -0.1821 | 0.855 | -0.004678728 | count | 1 |
| BRD8 | -0.0038952 | 0.2679398 | -0.0145 | 0.988 | -0.004630223 | count | 1 |
| YIPF5 | -0.0033708 | 0.1797796 | -0.0187 | 0.985 | -0.004470861 | count | 1 |
| VPS4A | -0.0034246 | 0.1699323 | -0.0202 | 0.984 | -0.004456776 | count | 1 |
| ODC1 | -0.003139 | 0.1697673 | -0.0185 | 0.985 | -0.004294551 | count | 1 |
| GPR84 | -0.003276 | 0.1883719 | -0.0174 | 0.986 | -0.004209963 | count | 1 |
| CPM | -0.0029951 | 0.1050084 | -0.0285 | 0.977 | -0.004106881 | count | 1 |
| ANAPC7 | -0.0037314 | 0.3659705 | -0.0102 | 0.992 | -0.004068682 | count | 1 |
| BLM | -0.0052815 | 0.6103518 | -0.0087 | 0.993 | -0.004045199 | count | 1 |
| RPS11 | -0.0028005 | 0.0342927 | -0.0817 | 0.935 | -0.004025222 | count | 1 |
| JTB | -0.002797 | 0.0645858 | -0.0433 | 0.965 | -0.003972294 | count | 1 |
| ATP6V0A1 | -0.0028183 | 0.1649079 | -0.0171 | 0.986 | -0.003849043 | count | 1 |
| SARM1 | -0.0384007 | 0.7922533 | -0.0485 | 0.961 | -0.003845275 | count | 1 |
| MAP1S | -0.0030891 | 0.2271987 | -0.0136 | 0.989 | -0.003843353 | count | 1 |
| KMO | -0.0032052 | 0.288143 | -0.0111 | 0.991 | -0.003685428 | count | 1 |
| FCGRT | -0.0024861 | 0.0401544 | -0.0619 | 0.951 | -0.003576062 | count | 1 |
| EMC4 | -0.002506 | 0.0987141 | -0.0254 | 0.98 | -0.003516532 | count | 1 |
| AC005921.2 | -0.002914 | 0.2832423 | -0.0103 | 0.992 | -0.003510184 | count | 1 |
| NUS1 | -0.0026336 | 0.2025388 | -0.013 | 0.99 | -0.003450672 | count | 1 |
| TCEAL8 | -0.0024771 | 0.1365505 | -0.0181 | 0.986 | -0.003383841 | count | 1 |
| BABAM1 | -0.0023684 | 0.1061025 | -0.0223 | 0.982 | -0.00326364 | count | 1 |
| CCDC43 | -0.0024844 | 0.2043693 | -0.0122 | 0.99 | -0.003259698 | count | 1 |
| RBM17 | -0.0022513 | 0.0908495 | -0.0248 | 0.98 | -0.003155307 | count | 1 |
| SDHA | -0.0023977 | 0.186094 | -0.0129 | 0.99 | -0.00306848 | count | 1 |
| AP002748.3 | -0.0061033 | 0.5288838 | -0.0115 | 0.991 | -0.003042574 | count | 1 |
| BEST1 | -0.0023321 | 0.267353 | -0.0087 | 0.993 | -0.003039909 | count | 1 |
| INCENP | -0.0040455 | 0.4572476 | -0.0088 | 0.993 | -0.00299869 | count | 1 |
| EAF2 | -0.0021404 | 0.12118 | -0.0177 | 0.986 | -0.002911903 | count | 1 |
| SLC35D2 | -0.0021368 | 0.1593755 | -0.0134 | 0.989 | -0.002826439 | count | 1 |
| SRGAP2B | -0.0025941 | 0.1948539 | -0.0133 | 0.989 | -0.002775363 | count | 1 |
| ATXN10 | -0.0018687 | 0.1450038 | -0.0129 | 0.99 | -0.002530145 | count | 1 |
| ZNF562 | -0.0018515 | 0.2531099 | -0.0073 | 0.994 | -0.002174761 | count | 1 |
| NAXE | -0.0016002 | 0.1408446 | -0.0114 | 0.991 | -0.002172318 | count | 1 |
| PTPRO | -0.0019829 | 0.4015014 | -0.0049 | 0.996 | -0.002149338 | count | 1 |
| AC097103.2 | -0.0036429 | 1.0868929 | -0.0034 | 0.997 | -0.002126175 | count | 1 |
| ENOPH1 | -0.0017005 | 0.1941401 | -0.0088 | 0.993 | -0.002112301 | count | 1 |
| RPL23 | -0.001434 | 0.0328897 | -0.0436 | 0.965 | -0.002060217 | count | 1 |
| ZNF829 | -0.0026774 | 1.1598884 | -0.0023 | 0.998 | -0.001913506 | count | 1 |
| AC004148.2 | -0.0097583 | 0.6592889 | -0.0148 | 0.988 | -0.001843335 | count | 1 |
| DNAJC1 | -0.0013242 | 0.1009917 | -0.0131 | 0.99 | -0.001843208 | count | 1 |
| PIP4K2A | -0.0012882 | 0.1196325 | -0.0108 | 0.991 | -0.001769752 | count | 1 |
| MMP25-AS1 | -0.0044057 | 0.631265 | -0.007 | 0.994 | -0.001741375 | count | 1 |

| | | | | | | | |
|--------------|------------|-----------|---------|--------|--------------|-------|---|
| GTF2H5 | -0.0012222 | 0.1106227 | -0.011 | 0.991 | -0.001696052 | count | 1 |
| AC016727.1 | -0.0036429 | 0.8179104 | -0.0045 | 0.996 | -0.001638389 | count | 1 |
| ABHD14A-ACY1 | -0.0036429 | 0.8177902 | -0.0045 | 0.996 | -0.001638389 | count | 1 |
| ZNF596 | -0.0036429 | 0.8179104 | -0.0045 | 0.996 | -0.001638389 | count | 1 |
| AP003352.1 | -0.0036429 | 1.0445515 | -0.0035 | 0.997 | -0.001638389 | count | 1 |
| AL354920.1 | -0.0036429 | 1.0444573 | -0.0035 | 0.997 | -0.001638389 | count | 1 |
| CTSW | -0.0036429 | 0.9747757 | -0.0037 | 0.997 | -0.001638389 | count | 1 |
| AC010336.1 | -0.0036429 | 0.8177902 | -0.0045 | 0.996 | -0.001638389 | count | 1 |
| PARVB | -0.0011315 | 0.11215 | -0.0101 | 0.992 | -0.001576034 | count | 1 |
| P2RX7 | -0.0012029 | 0.1659438 | -0.0072 | 0.994 | -0.001569258 | count | 1 |
| TUBB6 | -0.0011268 | 0.1265092 | -0.0089 | 0.993 | -0.001555827 | count | 1 |
| SART3 | -0.001351 | 0.2783522 | -0.0049 | 0.996 | -0.001455201 | count | 1 |
| SZRD1 | -0.001045 | 0.1361276 | -0.0077 | 0.994 | -0.001427237 | count | 1 |
| PPP6R1 | -0.0011113 | 0.2041008 | -0.0054 | 0.996 | -0.001380457 | count | 1 |
| NECAB3 | -0.0021586 | 0.418333 | -0.0052 | 0.996 | -0.00126025 | count | 1 |
| SET | -0.0008694 | 0.0511673 | -0.017 | 0.9864 | -0.001242873 | count | 1 |
| SLC25A22 | -0.0014825 | 0.4824966 | -0.0031 | 0.998 | -0.001232467 | count | 1 |
| PAQR6 | -0.0036429 | 1.37961 | -0.0026 | 0.998 | -0.000970462 | count | 1 |
| AL353708.3 | -0.0036429 | 1.1574636 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| PPFIA4 | -0.0036429 | 1.1578035 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| ATP6V1C2 | -0.0036429 | 1.1578035 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| AC007038.1 | -0.0036429 | 1.1578035 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| AC009974.1 | -0.0036429 | 1.1578035 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| ZNF620 | -0.0036429 | 1.37961 | -0.0026 | 0.998 | -0.000970462 | count | 1 |
| LNP1 | -0.0036429 | 1.1578035 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| KIAA1257 | -0.0036429 | 1.37961 | -0.0026 | 0.998 | -0.000970462 | count | 1 |
| PXYLP1 | -0.0036429 | 1.1574636 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| AC068620.1 | -0.0036429 | 1.1578035 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| NEIL3 | -0.0036429 | 1.1578035 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| AC026691.1 | -0.0036429 | 1.37961 | -0.0026 | 0.998 | -0.000970462 | count | 1 |
| ZNF165 | -0.0036429 | 1.1574636 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| AC105446.1 | -0.0036429 | 1.1578035 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| C8orf37 | -0.0036429 | 1.1574636 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| AL356489.3 | -0.0036429 | 1.1574636 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| STKLD1 | -0.0036429 | 1.1578035 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| SCUBE2 | -0.0036429 | 1.1578035 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| LIPT2 | -0.0036429 | 1.1578035 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| LINC02550 | -0.0036429 | 1.37961 | -0.0026 | 0.998 | -0.000970462 | count | 1 |
| ABLIM1 | -0.0036429 | 1.740388 | -0.0021 | 0.998 | -0.000970462 | count | 1 |
| AC026333.3 | -0.0036429 | 1.1574636 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| AL133371.2 | -0.0036429 | 1.1578035 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| CLBA1 | -0.0036429 | 1.37961 | -0.0026 | 0.998 | -0.000970462 | count | 1 |
| MAP1A | -0.0036429 | 1.1574636 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| MESP1 | -0.0036429 | 1.1578035 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| PKMYT1 | -0.0036429 | 1.1578035 | -0.0031 | 0.997 | -0.000970462 | count | 1 |

| | | | | | | | |
|------------|-------------|-------------|-----------|--------|--------------|-------|---|
| ATP2A1-AS1 | -0.0036429 | 1.1574636 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| MC1R | -0.0036429 | 1.1578035 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| CEP112 | -0.0036429 | 1.37961 | -0.0026 | 0.998 | -0.000970462 | count | 1 |
| AC005332.8 | -0.0036429 | 1.37961 | -0.0026 | 0.998 | -0.000970462 | count | 1 |
| AL121899.1 | -0.0036429 | 1.1578035 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| SPC24 | -0.0036429 | 1.1578035 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| AC010487.2 | -0.0036429 | 1.1578035 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| MLC1 | -0.0036429 | 1.1578035 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| LINC01547 | -0.0036429 | 1.1578035 | -0.0031 | 0.997 | -0.000970462 | count | 1 |
| EFNA3 | -0.00473 | 0.808442 | -0.0059 | 0.995 | -0.000894846 | count | 1 |
| CNIH3 | -0.00473 | 0.8085966 | -0.0058 | 0.995 | -0.000894846 | count | 1 |
| ZNF786 | -0.00473 | 0.7541279 | -0.0063 | 0.995 | -0.000894846 | count | 1 |
| GARNL3 | -0.00473 | 0.754559 | -0.0063 | 0.995 | -0.000894846 | count | 1 |
| ZBTB2 | -0.0009365 | 0.3720413 | -0.0025 | 0.998 | -0.000828782 | count | 1 |
| SOX4 | -0.0005065 | 0.1456336 | -0.0035 | 0.997 | -0.000700052 | count | 1 |
| PPP2CA | -2.17E-05 | 0.1024337 | -2.00E-04 | 1 | -3.02E-05 | count | 1 |
| CD5 | -18.169022 | 1691.610154 | -0.0107 | 0.991 | -3.72E-08 | count | 1 |
| CCDC85C | -1.8994837 | 0.7977577 | -2.381 | 0.0173 | -2.99E-08 | count | 1 |
| GTSF1 | -1.2107129 | 0.4152493 | -2.9156 | 0.0036 | -2.37E-08 | count | 1 |
| AC093525.4 | -1.0334775 | 0.8601001 | -1.2016 | 0.23 | -2.15E-08 | count | 1 |
| AL954642.1 | -0.8243504 | 0.5095365 | -1.6178 | 0.106 | -1.84E-08 | count | 1 |
| AL731563.3 | -0.6638257 | 0.6282464 | -1.0566 | 0.291 | -1.57E-08 | count | 1 |
| ANGPT2 | -0.6203618 | 0.5119998 | -1.2116 | 0.226 | -1.49E-08 | count | 1 |
| NOX4 | -18.7498142 | 2522.961576 | -0.0074 | 0.994 | -1.36E-08 | count | 1 |
| GPR75 | -18.7498142 | 2522.961576 | -0.0074 | 0.994 | -1.36E-08 | count | 1 |
| AC015727.1 | -18.7498142 | 2522.961576 | -0.0074 | 0.994 | -1.36E-08 | count | 1 |
| PTPRS | -18.7498142 | 2522.961576 | -0.0074 | 0.994 | -1.36E-08 | count | 1 |
| ANKRD33B | -18.7360435 | 2220.130283 | -0.0084 | 0.993 | -1.36E-08 | count | 1 |
| AL022323.3 | -18.6211908 | 1754.161086 | -0.0106 | 0.992 | -1.36E-08 | count | 1 |
| AP001267.2 | -18.5986116 | 2038.513951 | -0.0091 | 0.993 | -1.36E-08 | count | 1 |
| DIO2 | -18.2412221 | 1979.151666 | -0.0092 | 0.993 | -1.36E-08 | count | 1 |
| AKNAD1 | -18.4688718 | 2192.324165 | -0.0084 | 0.993 | -1.36E-08 | count | 1 |
| CAMK4 | -18.4688718 | 2192.324165 | -0.0084 | 0.993 | -1.36E-08 | count | 1 |
| AC211476.2 | -18.4688718 | 2192.324165 | -0.0084 | 0.993 | -1.36E-08 | count | 1 |
| TFPI2 | -18.4688718 | 2192.324165 | -0.0084 | 0.993 | -1.36E-08 | count | 1 |
| CD40LG | -18.4688718 | 2192.324165 | -0.0084 | 0.993 | -1.36E-08 | count | 1 |
| AC083809.1 | -18.4688718 | 2192.324165 | -0.0084 | 0.993 | -1.36E-08 | count | 1 |
| AC100835.2 | -18.4688718 | 2192.324165 | -0.0084 | 0.993 | -1.36E-08 | count | 1 |
| ZNF114 | -18.4688718 | 2192.324165 | -0.0084 | 0.993 | -1.36E-08 | count | 1 |
| SCHIP1 | -18.1588298 | 2023.268447 | -0.009 | 0.993 | -1.35E-08 | count | 1 |
| SMO | -0.4957827 | 0.6750333 | -0.7345 | 0.463 | -1.24E-08 | count | 1 |
| FAM129C | -2.238752 | 1.227489 | -1.8238 | 0.0683 | -1.17E-08 | count | 1 |
| ECM2 | -2.1052206 | 0.9153687 | -2.2999 | 0.0215 | -1.14E-08 | count | 1 |
| PREX2 | -1.9510699 | 0.9680762 | -2.0154 | 0.044 | -1.11E-08 | count | 1 |
| SPRY3 | -1.8732101 | 1.4009598 | -1.3371 | 0.181 | -1.09E-08 | count | 1 |

| | | | | | | | |
|------------|-------------|-------------|---------|--------|-----------|-------|---|
| AC012645.4 | -1.7687484 | 0.8946825 | -1.977 | 0.0482 | -1.06E-08 | count | 1 |
| AC007620.3 | -1.7687484 | 1.0399837 | -1.7007 | 0.0891 | -1.06E-08 | count | 1 |
| AL121652.1 | -1.6763339 | 1.1734298 | -1.4286 | 0.153 | -1.04E-08 | count | 1 |
| GJA1 | -1.6763339 | 1.3122069 | -1.2775 | 0.202 | -1.04E-08 | count | 1 |
| AC012467.2 | -1.5456048 | 0.9716621 | -1.5907 | 0.112 | -9.97E-09 | count | 1 |
| AC245297.2 | -1.5456048 | 0.9716621 | -1.5907 | 0.112 | -9.97E-09 | count | 1 |
| ITPRIPL1 | -0.373768 | 0.4406468 | -0.8482 | 0.396 | -9.76E-09 | count | 1 |
| CYS1 | -1.4305494 | 0.8825188 | -1.621 | 0.105 | -9.57E-09 | count | 1 |
| AUNIP | -1.4120734 | 0.8757092 | -1.6125 | 0.107 | -9.52E-09 | count | 1 |
| TPBG | -1.1736256 | 0.8191836 | -1.4327 | 0.152 | -8.56E-09 | count | 1 |
| CDCA2 | -1.1109527 | 0.8452878 | -1.3143 | 0.189 | -8.28E-09 | count | 1 |
| CLIC3 | -1.1109527 | 0.7770778 | -1.4297 | 0.153 | -8.28E-09 | count | 1 |
| SPIRE2 | -1.1109527 | 0.947253 | -1.1728 | 0.241 | -8.28E-09 | count | 1 |
| CAPN3 | -0.9918519 | 0.9447676 | -1.0498 | 0.294 | -7.69E-09 | count | 1 |
| STAC | -0.9490996 | 0.8173814 | -1.1611 | 0.246 | -7.47E-09 | count | 1 |
| JPH4 | -0.9035882 | 0.5670456 | -1.5935 | 0.111 | -7.22E-09 | count | 1 |
| TNFSF4 | -0.6456441 | 0.8399452 | -0.7687 | 0.442 | -5.64E-09 | count | 1 |
| INSL3 | -0.6456441 | 0.8399452 | -0.7687 | 0.442 | -5.64E-09 | count | 1 |
| TUBG2 | -0.6456441 | 0.8399452 | -0.7687 | 0.442 | -5.64E-09 | count | 1 |
| ACTG2 | -0.6456441 | 0.8399452 | -0.7687 | 0.442 | -5.64E-09 | count | 1 |
| AL355304.1 | -0.6456441 | 0.8399452 | -0.7687 | 0.442 | -5.64E-09 | count | 1 |
| LINC01063 | -0.6456441 | 0.8399452 | -0.7687 | 0.442 | -5.64E-09 | count | 1 |
| AC004846.2 | -0.6456441 | 0.8399452 | -0.7687 | 0.442 | -5.64E-09 | count | 1 |
| CFAP97D1 | -0.6456441 | 0.84006 | -0.7686 | 0.442 | -5.64E-09 | count | 1 |
| SGIP1 | -0.6456441 | 0.8399452 | -0.7687 | 0.442 | -5.64E-09 | count | 1 |
| PDE6A | -0.6456441 | 0.8399452 | -0.7687 | 0.442 | -5.64E-09 | count | 1 |
| ZNF473 | -0.6456441 | 0.8399452 | -0.7687 | 0.442 | -5.64E-09 | count | 1 |
| ABCA10 | -0.6456441 | 1.0332868 | -0.6248 | 0.532 | -5.64E-09 | count | 1 |
| ZFP57 | -0.6124899 | 0.5322154 | -1.1508 | 0.25 | -5.41E-09 | count | 1 |
| AC107959.1 | -0.5647756 | 0.7123264 | -0.7929 | 0.428 | -5.07E-09 | count | 1 |
| AC106795.2 | -18.1492175 | 1932.519667 | -0.0094 | 0.993 | -5.00E-09 | count | 1 |
| NTM | -18.1492175 | 1932.519667 | -0.0094 | 0.993 | -5.00E-09 | count | 1 |
| TC2N | -18.1492175 | 1932.519667 | -0.0094 | 0.993 | -5.00E-09 | count | 1 |
| WWC1 | -18.1492175 | 1932.519667 | -0.0094 | 0.993 | -5.00E-09 | count | 1 |
| EFCAB9 | -18.1492175 | 1932.519667 | -0.0094 | 0.993 | -5.00E-09 | count | 1 |
| THY1 | -18.1492175 | 1932.519667 | -0.0094 | 0.993 | -5.00E-09 | count | 1 |
| POSTN | -18.1492175 | 1932.519667 | -0.0094 | 0.993 | -5.00E-09 | count | 1 |
| AL031666.2 | -18.1492175 | 1932.519667 | -0.0094 | 0.993 | -5.00E-09 | count | 1 |
| TMIGD2 | -18.1492175 | 1932.519667 | -0.0094 | 0.993 | -5.00E-09 | count | 1 |
| WFDC3 | -18.1492175 | 1932.519667 | -0.0094 | 0.993 | -5.00E-09 | count | 1 |
| FAM184A | -18.1492175 | 1932.519667 | -0.0094 | 0.993 | -5.00E-09 | count | 1 |
| AC011471.2 | -18.1492175 | 1932.519667 | -0.0094 | 0.993 | -5.00E-09 | count | 1 |
| AC073263.2 | -18.1492175 | 1932.519667 | -0.0094 | 0.993 | -5.00E-09 | count | 1 |
| RHCG | -18.1492175 | 1932.519667 | -0.0094 | 0.993 | -5.00E-09 | count | 1 |
| LINC01356 | -18.1492175 | 1932.519667 | -0.0094 | 0.993 | -5.00E-09 | count | 1 |

| | | | | | | | |
|---------------|-------------|-------------|---------|-------|-----------|-------|---|
| AC006213.1 | -18.1492175 | 1932.519667 | -0.0094 | 0.993 | -5.00E-09 | count | 1 |
| RARB | -18.1492175 | 1932.519667 | -0.0094 | 0.993 | -5.00E-09 | count | 1 |
| LIN37 | -18.1492175 | 1932.519667 | -0.0094 | 0.993 | -5.00E-09 | count | 1 |
| Z68871.1 | -18.7709922 | 1468.020922 | -0.0128 | 0.99 | -5.00E-09 | count | 1 |
| GAD1 | -18.7709922 | 1468.020922 | -0.0128 | 0.99 | -5.00E-09 | count | 1 |
| ZNF773 | -18.7709922 | 1468.020922 | -0.0128 | 0.99 | -5.00E-09 | count | 1 |
| CNKSR3 | -18.66134 | 1934.491173 | -0.0096 | 0.992 | -5.00E-09 | count | 1 |
| CLRN3 | -18.66134 | 1934.491173 | -0.0096 | 0.992 | -5.00E-09 | count | 1 |
| SCML4 | -18.66134 | 1934.491173 | -0.0096 | 0.992 | -5.00E-09 | count | 1 |
| AP001107.2 | -18.77231 | 1899.649652 | -0.0099 | 0.992 | -5.00E-09 | count | 1 |
| TRAT1 | -18.993572 | 2295.917823 | -0.0083 | 0.993 | -5.00E-09 | count | 1 |
| FUT1 | -19.0610187 | 1800.902468 | -0.0106 | 0.992 | -5.00E-09 | count | 1 |
| COL4A1 | -19.2395746 | 2203.399068 | -0.0087 | 0.993 | -5.00E-09 | count | 1 |
| RBM15-AS1 | -18.7740488 | 2553.719074 | -0.0074 | 0.994 | -4.99E-09 | count | 1 |
| PCDHGB2 | -18.7740488 | 2553.719074 | -0.0074 | 0.994 | -4.99E-09 | count | 1 |
| RSPH4A | -18.7740488 | 2553.719074 | -0.0074 | 0.994 | -4.99E-09 | count | 1 |
| AC012560.1 | -18.7740488 | 2553.719074 | -0.0074 | 0.994 | -4.99E-09 | count | 1 |
| AC087286.2 | -18.7740488 | 2553.719074 | -0.0074 | 0.994 | -4.99E-09 | count | 1 |
| TMEM78 | -18.7740488 | 2553.719074 | -0.0074 | 0.994 | -4.99E-09 | count | 1 |
| GABRD | -18.9945996 | 2893.869995 | -0.0066 | 0.995 | -4.99E-09 | count | 1 |
| AC106886.5 | -18.4203338 | 1911.9697 | -0.0096 | 0.992 | -4.99E-09 | count | 1 |
| TPTEP2-CSNK1E | -18.4203338 | 1911.9697 | -0.0096 | 0.992 | -4.99E-09 | count | 1 |
| OTUB2 | -18.4203338 | 1911.9697 | -0.0096 | 0.992 | -4.99E-09 | count | 1 |
| MCOLN3 | -19.4681798 | 2551.404622 | -0.0076 | 0.994 | -4.99E-09 | count | 1 |
| DTX1 | -19.2866875 | 2719.318142 | -0.0071 | 0.994 | -4.99E-09 | count | 1 |
| LINC00844 | -19.2866875 | 2719.318142 | -0.0071 | 0.994 | -4.99E-09 | count | 1 |
| ATP9A | -19.2866875 | 2719.318142 | -0.0071 | 0.994 | -4.99E-09 | count | 1 |
| CRISPLD1 | -19.4686813 | 3069.818202 | -0.0063 | 0.995 | -4.99E-09 | count | 1 |
| BDH1 | -19.4686813 | 3069.818202 | -0.0063 | 0.995 | -4.99E-09 | count | 1 |
| HIST1H4I | -19.4686813 | 3069.818202 | -0.0063 | 0.995 | -4.99E-09 | count | 1 |
| CCNB3 | -18.421466 | 2249.781849 | -0.0082 | 0.993 | -4.99E-09 | count | 1 |
| PCDHB14 | -19.0638415 | 2951.894243 | -0.0065 | 0.995 | -4.99E-09 | count | 1 |
| OLFML1 | -19.0638415 | 2951.894243 | -0.0065 | 0.995 | -4.99E-09 | count | 1 |
| AL121757.1 | -19.0638415 | 2951.894243 | -0.0065 | 0.995 | -4.99E-09 | count | 1 |
| KLHL13 | -19.0638415 | 2951.894243 | -0.0065 | 0.995 | -4.99E-09 | count | 1 |
| KRTAP5-8 | -19.0638415 | 2951.894243 | -0.0065 | 0.995 | -4.99E-09 | count | 1 |
| AC138028.1 | -19.0638415 | 2951.894243 | -0.0065 | 0.995 | -4.99E-09 | count | 1 |
| AL590648.2 | -19.287568 | 3301.280262 | -0.0058 | 0.995 | -4.99E-09 | count | 1 |
| TRAPPC12-AS1 | -19.287568 | 3301.280262 | -0.0058 | 0.995 | -4.99E-09 | count | 1 |
| CA9 | -19.287568 | 3301.280262 | -0.0058 | 0.995 | -4.99E-09 | count | 1 |
| TOM1L1 | -19.287568 | 3301.280262 | -0.0058 | 0.995 | -4.99E-09 | count | 1 |
| CDC42EP5 | -18.6286142 | 2518.48108 | -0.0074 | 0.994 | -4.99E-09 | count | 1 |
| AL157888.1 | -17.9254142 | 1835.131859 | -0.0098 | 0.992 | -4.97E-09 | count | 1 |
| AC007383.3 | -18.2157226 | 2121.812261 | -0.0086 | 0.993 | -4.97E-09 | count | 1 |
| LINC00683 | -18.7688917 | 2797.860757 | -0.0067 | 0.995 | -4.97E-09 | count | 1 |

| | | | | | | | |
|------------|-------------|-------------|---------|--------|-----------|-------|---|
| FANK1 | -18.7688917 | 2797.860757 | -0.0067 | 0.995 | -4.97E-09 | count | 1 |
| AL157402.2 | -18.6194605 | 2596.435361 | -0.0072 | 0.994 | -4.97E-09 | count | 1 |
| AC005670.2 | -0.1593104 | 0.6931143 | -0.2298 | 0.818 | -4.48E-09 | count | 1 |
| MCMD2 | -0.4391085 | 0.6176914 | -0.7109 | 0.477 | -4.12E-09 | count | 1 |
| KRBA1 | -0.4317173 | 0.5029861 | -0.8583 | 0.391 | -4.06E-09 | count | 1 |
| AC005840.2 | -0.4182652 | 0.9946649 | -0.4205 | 0.674 | -3.96E-09 | count | 1 |
| PLEKHG6 | -0.4182652 | 0.9946649 | -0.4205 | 0.674 | -3.96E-09 | count | 1 |
| C11orf80 | -0.382454 | 0.7289795 | -0.5246 | 0.6 | -3.66E-09 | count | 1 |
| NBPF3 | -1.2579227 | 0.649591 | -1.9365 | 0.0529 | -3.28E-09 | count | 1 |
| TMEM98 | -1.2579227 | 0.649591 | -1.9365 | 0.0529 | -3.28E-09 | count | 1 |
| SGCA | -1.2579227 | 0.649591 | -1.9365 | 0.0529 | -3.28E-09 | count | 1 |
| AL731577.1 | -0.1125293 | 0.3975903 | -0.283 | 0.777 | -3.22E-09 | count | 1 |
| CENPO | -0.8524576 | 0.6894391 | -1.2365 | 0.216 | -2.55E-09 | count | 1 |
| AC015987.1 | -0.8524576 | 0.6894391 | -1.2365 | 0.216 | -2.55E-09 | count | 1 |
| RNF207 | -0.8524576 | 0.6894391 | -1.2365 | 0.216 | -2.55E-09 | count | 1 |
| SEMA4F | -0.8524576 | 0.6894391 | -1.2365 | 0.216 | -2.55E-09 | count | 1 |
| GPR174 | -0.8524576 | 0.6894391 | -1.2365 | 0.216 | -2.55E-09 | count | 1 |
| ZNF462 | -0.8524576 | 0.6894391 | -1.2365 | 0.216 | -2.55E-09 | count | 1 |
| ZNF461 | -0.8524576 | 0.8336323 | -1.0226 | 0.307 | -2.55E-09 | count | 1 |
| AC138150.2 | -0.8524576 | 0.8336323 | -1.0226 | 0.307 | -2.55E-09 | count | 1 |
| LINC01134 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL050343.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC099791.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL391335.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL596325.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC138969.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| EME1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| SAMD11 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| PLA2G2C | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| LINC01635 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| EPHA8 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| SMPDL3B | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| TMEM269 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| ZSWIM5 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC104170.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL603832.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL157904.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| SRGAP2-AS1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| PDZK1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| BGLAP | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| ETV3L | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| ATP1A2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| MAEL | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| CNTN2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| TMEM81 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |

| | | | | | | | |
|------------|-------------|-------------|---------|-------|-----------|-------|---|
| PIGR | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| IRF6 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC096637.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC096642.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| LINC01354 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| LINC01132 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| RNF144A | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| EFR3B | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC092567.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| LINC02576 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC073263.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| ADRA2B | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC108868.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| CCDC148 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC104076.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| PDE1A | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| ASIC4 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC013476.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC104667.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| BOK | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC098614.4 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| VIPR1-AS1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| UCN2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| SUCLG2-AS1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| FOXP1-AS1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| CADM2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| CD200 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| GAP43 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| NPHP3-AS1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| PLCH1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| SPTSSB | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC090425.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| CTBP1-AS | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC092546.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC006160.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| PDGFRA | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| TMPRSS11D | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| LINC02435 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC131956.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC098679.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC021087.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| C5orf38 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC112187.3 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC035140.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| FAM169A | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |

| | | | | | | | |
|------------|-------------|-------------|---------|-------|-----------|-------|---|
| AC113383.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC099509.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| PRDM6 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC135457.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC008781.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AFAP1L1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC106801.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| IL12B | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC008378.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL138720.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| HIST1H2BO | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL662890.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| TRIM10 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| HCG27 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| ZBTB12 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL645940.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL035588.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL583856.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| OOEP | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| FHL5 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| ALDH8A1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| PERP | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| GRM1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| ISPD | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| HOXA9 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| HOXA13 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC005091.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| WIPF3 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| TRGC1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| C7orf25 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| EGFR | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| PEG10 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| FBXL13 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| STRA8 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| TRBVB | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| C7orf33 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AOC1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC099552.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| CRLF2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| RAI2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| EFHC2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| JADE3 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| CCDC120 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| DLG3 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| PHKA1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |

| | | | | | | | |
|-------------|-------------|-------------|---------|-------|-----------|-------|---|
| AMOT | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC087269.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| SOX7 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| RBPMS | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC103724.3 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC090739.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| CLVS1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| SLCO5A1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC010834.3 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC087752.4 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AARD | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| ARHGAP39 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL161725.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| TRBV26OR9-2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| FRMPD1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| FOXE1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| CAVIN4 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL356309.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL592211.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| PRDM12 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL590226.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC069287.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC104389.4 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| UBQLNL | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| OR56B1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC080023.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC079329.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| SAA2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| SAA1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| LDHC | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AP003721.3 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AP003721.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC004923.4 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AP002490.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| WNT11 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| THRSP | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| CCDC89 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AP000880.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AP004147.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AP000646.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| CASC10 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| UNC5B-AS1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC067750.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| SLIT1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL157786.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |

| | | | | | | | |
|------------|-------------|-------------|---------|-------|-----------|-------|---|
| AL513190.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| EDRF1-AS1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL451069.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| PRMT8 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC018630.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| RERGL | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC053513.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| LINC00477 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| PTHLH | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC121338.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC121338.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| FAIM2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| KRT7 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| NEUROD4 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| ERBB3 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC083805.3 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC020611.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC089998.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| LINC02458 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC079907.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| CCDC63 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| RASAL1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC127164.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC026333.4 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| LINC02405 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| GJA3 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL160153.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| FGF14-AS2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| NFATC4 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| FOXA1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| BMP4 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL139300.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| LINC00638 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC021755.3 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| TYRO3 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| SLC28A2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC084757.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| LINC01169 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| SH2D7 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC013565.3 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| WDR93 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC068831.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL031705.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| KREMEN2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC007601.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |

| | | | | | | | |
|------------|-------------|-------------|---------|-------|-----------|-------|---|
| MIR193BHG | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC092287.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC012645.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC116348.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| SLC5A2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| SLC12A3 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| ADGRG5 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| MMP15 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC092115.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| MTSS1L | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| HYDIN | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| TMEM231 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| CA5A | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC134312.5 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC138028.3 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| LINC00304 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| SLC22A31 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| TRPV3 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC124066.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC104982.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| ARL5C | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC040934.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC103702.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| LINC02073 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| HLF | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| C17orf77 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| OTOP2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| MAFG-DT | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AP005329.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AP005059.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| DSG2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| MYO5B | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| ONECUT2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| CDH7 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC104423.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC021594.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| LINC01754 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL354813.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| LAMA5 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL121829.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC020916.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| CLEC17A | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC020911.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC020913.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| USHBP1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |

| | | | | | | | |
|-------------|-------------|-------------|---------|-------|-----------|-------|---|
| PLEKHF1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC020907.3 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| CEACAM1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| GPR4 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| NOVA2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| MEIS3 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| SLC6A16 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| NAPSA | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC010320.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| COX6B2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| ZNF460-AS1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC004076.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| LINC01658 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AP000350.7 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| SUSD2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| LINC01422 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| PIK3IP1-AS1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| BAIAP2L2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| ARHGAP8 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| Z97192.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| MIOX | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AP000223.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AP000317.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| TSPEAR-AS1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AP001469.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL109811.3 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AL590434.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| NUP210L | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| LINC01460 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| MEIS1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC012447.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| RFTN2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| KIT | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| CRYGN | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| LINC00102 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| HDC | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| CHRNA3 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC100793.2 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| LINC02078 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| SNPH | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| AC004156.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| BX322562.1 | -18.6677302 | 2421.510289 | -0.0077 | 0.994 | -1.84E-09 | count | 1 |
| EBF1 | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| C6orf132 | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| WASF3 | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |

| | | | | | | | |
|------------|-------------|-------------|---------|-------|-----------|-------|---|
| TENT5B | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| AC074099.1 | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| SYNPO2 | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| PNMA2 | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| EHF | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| CBX2 | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| DRAXIN | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| AL451074.6 | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| LAD1 | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| RAB17 | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| TBX18 | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| AL732314.4 | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| HSPA12A | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| COL4A2-AS1 | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| C17orf99 | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| CLUL1 | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| NPR1 | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| NCAPG | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| AC067735.1 | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| DACT1 | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| BRIP1 | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| AC008752.2 | -19.363641 | 2421.469698 | -0.008 | 0.994 | -1.84E-09 | count | 1 |
| CHMP1B-AS1 | -19.365217 | 3431.971417 | -0.0056 | 0.995 | -1.84E-09 | count | 1 |
| ACOD1 | -19.365217 | 3431.971417 | -0.0056 | 0.995 | -1.84E-09 | count | 1 |
| UNC5C | -19.365217 | 3431.971417 | -0.0056 | 0.995 | -1.84E-09 | count | 1 |
| AP006284.1 | -19.365217 | 3431.971417 | -0.0056 | 0.995 | -1.84E-09 | count | 1 |
| AL359220.1 | -19.365217 | 3431.971417 | -0.0056 | 0.995 | -1.84E-09 | count | 1 |
| AP001542.3 | -19.365217 | 3431.971417 | -0.0056 | 0.995 | -1.84E-09 | count | 1 |
| TGFBR3L | -19.365217 | 3431.971417 | -0.0056 | 0.995 | -1.84E-09 | count | 1 |
| SLC8A2 | -19.365217 | 3431.971417 | -0.0056 | 0.995 | -1.84E-09 | count | 1 |
| LINC01122 | -19.365217 | 3431.971417 | -0.0056 | 0.995 | -1.84E-09 | count | 1 |
| CPA3 | -19.365217 | 3431.971417 | -0.0056 | 0.995 | -1.84E-09 | count | 1 |
| AP001610.1 | -19.365217 | 3431.971417 | -0.0056 | 0.995 | -1.84E-09 | count | 1 |
| UPK1B | -19.365217 | 3431.971417 | -0.0056 | 0.995 | -1.84E-09 | count | 1 |
| AC067930.2 | -19.365217 | 3431.971417 | -0.0056 | 0.995 | -1.84E-09 | count | 1 |
| RCVRN | -19.365217 | 3431.971417 | -0.0056 | 0.995 | -1.84E-09 | count | 1 |
| DDIT4L | -18.513372 | 1737.146346 | -0.0107 | 0.991 | -1.83E-09 | count | 1 |
| ACBD7 | -18.513372 | 1737.146346 | -0.0107 | 0.991 | -1.83E-09 | count | 1 |
| C9orf153 | -18.5154838 | 2464.899725 | -0.0075 | 0.994 | -1.83E-09 | count | 1 |
| BEAN1-AS1 | -18.5154838 | 2464.899725 | -0.0075 | 0.994 | -1.83E-09 | count | 1 |
| CES3 | -18.5154838 | 2464.899725 | -0.0075 | 0.994 | -1.83E-09 | count | 1 |
| AC107952.2 | -18.5154838 | 2464.899725 | -0.0075 | 0.994 | -1.83E-09 | count | 1 |
| CRYGS | -18.5154838 | 2464.899725 | -0.0075 | 0.994 | -1.83E-09 | count | 1 |
| FAM218A | -18.5154838 | 2464.899725 | -0.0075 | 0.994 | -1.83E-09 | count | 1 |
| RHBDL1 | -18.5154838 | 2464.899725 | -0.0075 | 0.994 | -1.83E-09 | count | 1 |

| | | | | | | | |
|--------------|-------------|-------------|---------|-------|-----------|-------|---|
| AC008753.2 | -18.5154838 | 2464.899725 | -0.0075 | 0.994 | -1.83E-09 | count | 1 |
| CYP2D6 | -18.5154838 | 2464.899725 | -0.0075 | 0.994 | -1.83E-09 | count | 1 |
| EMCN | -18.5154838 | 2464.899725 | -0.0075 | 0.994 | -1.83E-09 | count | 1 |
| EGFL6 | -18.5154838 | 2464.899725 | -0.0075 | 0.994 | -1.83E-09 | count | 1 |
| AC105020.5 | -18.5154838 | 2464.899725 | -0.0075 | 0.994 | -1.83E-09 | count | 1 |
| AL022329.2 | -18.5154838 | 2464.899725 | -0.0075 | 0.994 | -1.83E-09 | count | 1 |
| AC104184.1 | -18.9230629 | 2248.415785 | -0.0084 | 0.993 | -1.83E-09 | count | 1 |
| AC011374.1 | -18.9230629 | 2248.415785 | -0.0084 | 0.993 | -1.83E-09 | count | 1 |
| AL590560.1 | -0.1593104 | 0.6986937 | -0.228 | 0.82 | -1.65E-09 | count | 1 |
| PNMA8A | -0.1593104 | 0.5931455 | -0.2686 | 0.788 | -1.65E-09 | count | 1 |
| FAM71F2 | -0.1593104 | 0.6803583 | -0.2342 | 0.815 | -1.65E-09 | count | 1 |
| ITPR1-DT | -0.1593104 | 0.6803583 | -0.2342 | 0.815 | -1.65E-09 | count | 1 |
| POC1B-GALNT4 | -0.1593104 | 0.6803583 | -0.2342 | 0.815 | -1.65E-09 | count | 1 |
| AC013652.2 | -0.1593104 | 0.6803583 | -0.2342 | 0.815 | -1.65E-09 | count | 1 |
| PPT2 | -0.4182652 | 0.8924533 | -0.4687 | 0.639 | -1.46E-09 | count | 1 |
| KRT31 | -0.4182652 | 0.8924533 | -0.4687 | 0.639 | -1.46E-09 | count | 1 |
| ZNF257 | -0.077028 | 0.527679 | -0.146 | 0.884 | -8.20E-10 | count | 1 |
| AC011374.2 | -0.077028 | 0.5243187 | -0.1469 | 0.883 | -8.20E-10 | count | 1 |
| AL136985.3 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC093155.3 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| FAM72C | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AL031733.2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| Z99127.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| LINC01115 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| NRIR | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| SLC5A7 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| RGPD8 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| INHBB | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| PLA2R1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| MYO1B | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| YEATS2-AS1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| MEPE | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| SNCA-AS1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC020900.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AL024498.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| KCNK5 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| GNMT | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| RIMS1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AL390208.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC006042.2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC005154.4 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| TRGV10 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| TRGV7 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| SEMA3D | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| SPDYE3 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |

| | | | | | | | |
|------------|-------------|-------------|---------|-------|-----------|-------|---|
| AC016831.6 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| NUDT11 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| FAM167A | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC079209.2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| DSCC1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC100803.3 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| KYAT1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| CNIH2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| NUTM2D | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| KLRC4 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| EIF2S3B | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| ARHGEF25 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| TRAV8-2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| SLC10A1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| DPF3 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AL138478.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AL137779.2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| DISP2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC021752.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| LINC00926 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC027237.2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC104938.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC008731.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC044802.2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| CARMIL2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| CLEC18A | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| MAFTRR | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| C16orf46 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC087393.2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| FLJ45513 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| SOX9 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AP001029.2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| TCF4-AS2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| XKR7 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| ZNF831 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC007292.2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC003956.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC012313.6 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| Z98885.3 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| BX004987.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC254633.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AL031283.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AL050343.2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| DAB1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| TNNI3K | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |

| | | | | | | | |
|-------------|-------------|-------------|---------|-------|-----------|-------|---|
| TSACC | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AL513217.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| ALK | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| GCC2-AS1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC074286.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| KCNH8 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| CCK | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| STX19 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| PLCXD2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC093788.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC019163.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| LINC01262 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| C7 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| CDO1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| HIST1H2AI | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| UBD | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AL135905.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AL451064.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC002464.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AL078590.3 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AL390955.2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| FAM180A | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| PIP | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC004889.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| FAM239B | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| HR | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| RIMS2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC104316.2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| LINC01219 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| TSKU | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| LAYN | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| SCN4B | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| DKK1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC022509.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| BCDIN3D-AS1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| LINC02389 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| MYL2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| LINC00642 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| IGHV4-34 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| IGHV1-69-2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| TGM5 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC068722.2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| UNC13C | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| TMC7 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| PRSS8 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |

| | | | | | | | |
|------------|-------------|-------------|---------|-------|-----------|-------|---|
| AC044802.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| TERB1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC091153.3 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| WSCD1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC016876.3 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC135178.2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC005224.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| ANGPT4 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| HAR1A | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| DIRAS1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC011446.2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| OR1I1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| LINC01764 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| MYBPC2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| FAM71E1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| VPREB3 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| SHISA8 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| TNFRSF13C | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC233755.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| HEYL | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| TBR1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| LINC01013 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| LINC00894 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AP003110.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AP002884.4 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| SPAG6 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| TMEM72-AS1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC123768.2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC018521.2 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AC007638.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| AL133230.1 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| S1PR5 | -18.8167105 | 2865.561954 | -0.0066 | 0.995 | -6.74E-10 | count | 1 |
| ANGPT1 | -0.1777864 | 0.4627212 | -0.3842 | 0.701 | -6.73E-10 | count | 1 |
| RASL11B | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| AC108866.1 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| MYOZ3 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| EPDR1 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| ACTR3C | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| AL162586.1 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| PIH1D2 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| AL133353.1 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| SLC4A1 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| CCBE1 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| PLCG1 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| AC022144.1 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |

| | | | | | | | |
|---------------|------------|-----------|---------|-------|-----------|-------|---|
| MUC1 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| PRELP | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| KIF26B | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| PDE8B | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| LAMA2 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| MID1 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| AC103957.2 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| AC018523.2 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| TPH1 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| RPS6KB2-AS1 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| NAALAD2 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| MAT1A | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| PPP1R3C | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| AL157832.3 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| LINC00562 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| AC009120.4 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| LINC02132 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| P2RX5-TAX1BP3 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| RHBDL3 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| ABCA8 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| ITGB4 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| RNF157 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| PCP2 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| ZNRF3-AS1 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| AL035681.1 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| SFTPD | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| AC079949.2 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| LRRC46 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| OR7A17 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| Z83847.1 | -0.1593104 | 0.7966078 | -0.2 | 0.842 | -6.07E-10 | count | 1 |
| ABI3BP | -0.1593104 | 0.5625623 | -0.2832 | 0.777 | -6.07E-10 | count | 1 |
| ZNF366 | -0.1593104 | 0.5625623 | -0.2832 | 0.777 | -6.07E-10 | count | 1 |
| RECQL4 | -0.1593104 | 0.5625623 | -0.2832 | 0.777 | -6.07E-10 | count | 1 |
| AKR1C1 | 0.0069755 | 0.6857454 | 0.0102 | 0.992 | 7.65E-11 | count | 1 |
| HTR2B | 0.0069755 | 0.6855492 | 0.0102 | 0.992 | 7.65E-11 | count | 1 |
| BVES | 0.0069755 | 0.6857454 | 0.0102 | 0.992 | 7.65E-11 | count | 1 |
| IGHEP2 | 0.0069755 | 0.6857454 | 0.0102 | 0.992 | 7.65E-11 | count | 1 |
| AL031599.1 | 0.0636845 | 0.5602511 | 0.1137 | 0.91 | 7.12E-10 | count | 1 |
| AXIN2 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| GNAL | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| HNRNPA1L2 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| AC012640.1 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| AC078795.3 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| FNDC4 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| KRBOX1 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|-------|----------|-------|---|
| SPTA1 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| DYNC111 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| HCN2 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| HIST2H2AA4 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| AC007364.1 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| AC004067.1 | 0.1780252 | 0.9937802 | 0.1791 | 0.858 | 7.62E-10 | count | 1 |
| Z94721.1 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| HPN | 0.1780252 | 0.9937802 | 0.1791 | 0.858 | 7.62E-10 | count | 1 |
| SMAD9 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| ALPK2 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| AC016722.2 | 0.1780252 | 0.9937802 | 0.1791 | 0.858 | 7.62E-10 | count | 1 |
| APOBEC3D | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| FAM95B1 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| AC087203.3 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| SOX8 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| AC026254.2 | 0.1780252 | 0.9937802 | 0.1791 | 0.858 | 7.62E-10 | count | 1 |
| AC010175.1 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| AC097359.2 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| C2orf15 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| FAM66C | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| INPP5J | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| LINC00671 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| DLEU7-AS1 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| AL137789.1 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| AC007220.1 | 0.1780252 | 0.9937802 | 0.1791 | 0.858 | 7.62E-10 | count | 1 |
| POLQ | 0.1780252 | 0.9937802 | 0.1791 | 0.858 | 7.62E-10 | count | 1 |
| SLC26A4 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| AP003392.1 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| MFAP3L | 0.1780252 | 0.9937802 | 0.1791 | 0.858 | 7.62E-10 | count | 1 |
| GPR153 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| GRIN3A | 0.1780252 | 0.9937802 | 0.1791 | 0.858 | 7.62E-10 | count | 1 |
| MCM3AP-AS1 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| RHPN2 | 0.1780252 | 0.9599292 | 0.1855 | 0.853 | 7.62E-10 | count | 1 |
| ZNF74 | 0.1393456 | 0.5271788 | 0.2643 | 0.792 | 1.60E-09 | count | 1 |
| ZNF883 | 0.1780252 | 0.6902367 | 0.2579 | 0.796 | 2.07E-09 | count | 1 |
| ROBO1 | 0.5153608 | 0.3772702 | 1.366 | 0.172 | 2.47E-09 | count | 1 |
| AC007878.1 | 0.5153608 | 0.5350672 | 0.9632 | 0.336 | 2.47E-09 | count | 1 |
| SCGB3A2 | 0.5153608 | 0.5350672 | 0.9632 | 0.336 | 2.47E-09 | count | 1 |
| TBX21 | 0.5153608 | 0.5350672 | 0.9632 | 0.336 | 2.47E-09 | count | 1 |
| AC105105.1 | 0.5153608 | 0.5350672 | 0.9632 | 0.336 | 2.47E-09 | count | 1 |
| AC006504.1 | 0.5153608 | 0.5350672 | 0.9632 | 0.336 | 2.47E-09 | count | 1 |
| AC092747.4 | 0.2157162 | 0.4556486 | 0.4734 | 0.636 | 2.54E-09 | count | 1 |
| SDK1 | 0.5338367 | 0.8560789 | 0.6236 | 0.533 | 2.57E-09 | count | 1 |
| AC139749.1 | 0.5338367 | 0.8560789 | 0.6236 | 0.533 | 2.57E-09 | count | 1 |
| MORC1 | 0.5338367 | 0.8560789 | 0.6236 | 0.533 | 2.57E-09 | count | 1 |

| | | | | | | | |
|-------------|------------|-------------|--------|-------|----------|-------|---|
| AL355297.4 | 0.5338367 | 0.8560789 | 0.6236 | 0.533 | 2.57E-09 | count | 1 |
| AL356019.2 | 0.5338367 | 0.8560789 | 0.6236 | 0.533 | 2.57E-09 | count | 1 |
| GPR135 | 0.5338367 | 0.8560789 | 0.6236 | 0.533 | 2.57E-09 | count | 1 |
| GOLGA8H | 0.5338367 | 0.8560789 | 0.6236 | 0.533 | 2.57E-09 | count | 1 |
| AC239799.2 | 0.5338367 | 0.6894391 | 0.7743 | 0.439 | 2.57E-09 | count | 1 |
| CAPN12 | 0.5338367 | 0.6894391 | 0.7743 | 0.439 | 2.57E-09 | count | 1 |
| TTC34 | 0.5338367 | 0.6894391 | 0.7743 | 0.439 | 2.57E-09 | count | 1 |
| TOGARAM2 | 0.5338367 | 0.6894391 | 0.7743 | 0.439 | 2.57E-09 | count | 1 |
| CYP26B1 | 0.5338367 | 0.6894391 | 0.7743 | 0.439 | 2.57E-09 | count | 1 |
| LINC01238 | 0.5338367 | 0.6894391 | 0.7743 | 0.439 | 2.57E-09 | count | 1 |
| PART1 | 0.5338367 | 0.6894391 | 0.7743 | 0.439 | 2.57E-09 | count | 1 |
| MOCS1 | 0.5338367 | 0.6894391 | 0.7743 | 0.439 | 2.57E-09 | count | 1 |
| LBHD1 | 0.5338367 | 0.6894391 | 0.7743 | 0.439 | 2.57E-09 | count | 1 |
| CDCA5 | 0.5338367 | 0.6894391 | 0.7743 | 0.439 | 2.57E-09 | count | 1 |
| ELOVL3 | 0.5338367 | 0.6894391 | 0.7743 | 0.439 | 2.57E-09 | count | 1 |
| CCDC184 | 0.5338367 | 0.6894391 | 0.7743 | 0.439 | 2.57E-09 | count | 1 |
| SEMA6D | 0.5338367 | 0.6894391 | 0.7743 | 0.439 | 2.57E-09 | count | 1 |
| AC087286.3 | 0.5338367 | 0.6894391 | 0.7743 | 0.439 | 2.57E-09 | count | 1 |
| AC027130.1 | 0.5338367 | 0.6894391 | 0.7743 | 0.439 | 2.57E-09 | count | 1 |
| SMG8 | 0.5338367 | 0.6894391 | 0.7743 | 0.439 | 2.57E-09 | count | 1 |
| ZNF792 | 0.5338367 | 0.6894391 | 0.7743 | 0.439 | 2.57E-09 | count | 1 |
| FAM198A | 0.2265442 | 0.5775302 | 0.3923 | 0.695 | 2.68E-09 | count | 1 |
| AC095055.1 | 0.2265442 | 0.5259894 | 0.4307 | 0.667 | 2.68E-09 | count | 1 |
| C2orf80 | 0.2265442 | 0.7860802 | 0.2882 | 0.773 | 2.68E-09 | count | 1 |
| AC055811.3 | 0.2461547 | 0.5132158 | 0.4796 | 0.632 | 2.93E-09 | count | 1 |
| MYLK | 0.1463533 | 0.4943841 | 0.296 | 0.767 | 4.58E-09 | count | 1 |
| PCDHGA12 | 0.3860913 | 0.7039261 | 0.5485 | 0.583 | 4.82E-09 | count | 1 |
| DUSP15 | 0.3860913 | 0.6319212 | 0.611 | 0.541 | 4.82E-09 | count | 1 |
| MSANTD1 | 18.4303267 | 2731.527168 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| STEAP2 | 18.4303269 | 2731.527089 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| FHDC1 | 18.4303267 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC092354.1 | 18.4303267 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| INMT | 18.4303266 | 2731.527036 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ARSE | 18.4303266 | 2731.527182 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC108860.2 | 18.4303266 | 2731.527182 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC100830.2 | 18.4303268 | 2731.527063 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC093525.3 | 18.4303266 | 2731.527182 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ADM5 | 18.4303266 | 2731.527182 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL031283.2 | 18.4303265 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL139220.2 | 18.4303266 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| MAB21L3 | 18.4303266 | 2731.527089 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL078644.2 | 18.4303266 | 2731.526878 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| NR5A2 | 18.4303266 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| OR2C3 | 18.4303265 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC009237.15 | 18.4303264 | 2731.527195 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |

| | | | | | | | |
|----------------|------------|-------------|--------|-------|----------|-------|---|
| AC012087.1 | 18.4303264 | 2731.527195 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| RBMS3 | 18.4303266 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| CDC25A | 18.4303266 | 2731.527089 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC072039.2 | 18.4303266 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| KLB | 18.4303264 | 2731.526944 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| NIM1K | 18.4303268 | 2731.526904 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC008897.2 | 18.4303266 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| HCG9 | 18.4303266 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| GABRR2 | 18.4303266 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| STK31 | 18.4303266 | 2731.526878 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| TRPV6 | 18.4303266 | 2731.52701 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| WWC3-AS1 | 18.4303266 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| SHROOM4 | 18.4303264 | 2731.527089 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| SBSPON | 18.4303266 | 2731.526878 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC100771.2 | 18.4303266 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AP001107.7 | 18.4303266 | 2731.52701 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AP001972.1 | 18.4303264 | 2731.527195 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| OLAH | 18.4303265 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| CYP17A1-AS1 | 18.4303264 | 2731.526944 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PRAP1 | 18.4303264 | 2731.527089 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| IQSEC3 | 18.4303266 | 2731.52701 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| THSD1 | 18.4303266 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC001226.2 | 18.4303264 | 2731.527089 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| WASIR2 | 18.4303264 | 2731.527195 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC010536.1 | 18.4303266 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC002553.2 | 18.4303268 | 2731.526904 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AP005899.1 | 18.4303267 | 2731.526891 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AP001010.1 | 18.4303264 | 2731.527195 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PCAT18 | 18.4303266 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL391095.1 | 18.4303266 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| APOBEC3B-AS1 | 18.4303266 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| Z83851.1 | 18.4303265 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL591163.1 | 18.4303265 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AK5 | 18.4303267 | 2731.527023 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL390066.1 | 18.4303267 | 2731.527023 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| C1orf220 | 18.4303264 | 2731.527116 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| GREB1 | 18.4303264 | 2731.52697 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC073869.5 | 18.4303265 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC131097.3 | 18.4303264 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| UBE2E2-AS1 | 18.4303266 | 2731.527155 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| TMEM110-MUSTN1 | 18.4303265 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC131235.3 | 18.4303266 | 2731.52697 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC109927.1 | 18.4303267 | 2731.527023 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC034229.4 | 18.4303263 | 2731.52697 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PCDHB15 | 18.4303264 | 2731.526904 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |

| | | | | | | | |
|--------------|------------|-------------|--------|-------|----------|-------|---|
| MAS1 | 18.4303263 | 2731.52697 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC079760.2 | 18.4303265 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL161909.2 | 18.4303265 | 2731.527155 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LINC01474 | 18.4303265 | 2731.527155 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC138230.1 | 18.4303265 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| CATSPERZ | 18.4303266 | 2731.52697 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC005520.5 | 18.4303265 | 2731.527023 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC002550.2 | 18.4303264 | 2731.526904 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC002550.1 | 18.4303264 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| BOLA2 | 18.4303264 | 2731.52697 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| NRN1L | 18.4303267 | 2731.52701 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| FKBP10 | 18.4303266 | 2731.527234 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC023983.2 | 18.4303264 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ATCAY | 18.4303266 | 2731.527234 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| BORCS8-MEF2B | 18.4303264 | 2731.526904 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC007773.1 | 18.4303265 | 2731.527023 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC005392.2 | 18.4303263 | 2731.52697 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ZNF320 | 18.4303264 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC008753.3 | 18.4303263 | 2731.52697 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC007666.1 | 18.4303265 | 2731.527023 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PARS2 | 18.4303263 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC119674.1 | 18.4303265 | 2731.527182 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC244453.3 | 18.4303264 | 2731.527116 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL590714.1 | 18.4303266 | 2731.527063 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LINC01934 | 18.4303267 | 2731.527168 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AMOTL2 | 18.4303265 | 2731.527116 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| SHOX2 | 18.4303264 | 2731.526944 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LINC01206 | 18.4303266 | 2731.527063 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LINC00887 | 18.4303265 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC046143.1 | 18.4303264 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC139887.4 | 18.4303264 | 2731.527023 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC096564.2 | 18.4303264 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC008592.5 | 18.4303265 | 2731.52701 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| C1QTNF2 | 18.4303265 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL353759.1 | 18.4303264 | 2731.527116 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ZNF391 | 18.4303262 | 2731.52697 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL078581.1 | 18.4303264 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PNLDC1 | 18.4303265 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AMPH | 18.4303265 | 2731.527063 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC007566.1 | 18.4303264 | 2731.527023 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LRGUK | 18.4303264 | 2731.527116 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC026904.2 | 18.4303265 | 2731.527182 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC100801.1 | 18.4303265 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL353743.2 | 18.4303264 | 2731.527076 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| C9orf170 | 18.4303264 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|--------|-------|----------|-------|---|
| SYT9 | 18.4303265 | 2731.527208 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| STK33 | 18.4303264 | 2731.527023 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AP002770.1 | 18.4303267 | 2731.527142 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL121749.1 | 18.4303263 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| GFRA1 | 18.4303264 | 2731.527023 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC036103.1 | 18.4303266 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AP3B2 | 18.4303264 | 2731.527116 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC099518.4 | 18.4303264 | 2731.527023 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| KCNJ12 | 18.4303264 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LINC01415 | 18.4303266 | 2731.527063 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC011450.1 | 18.4303265 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC003002.3 | 18.4303265 | 2731.526878 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| SMIM34B | 18.4303265 | 2731.526878 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| SRARP | 18.4303263 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| IQCC | 18.4303265 | 2731.52701 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL592166.1 | 18.4303264 | 2731.527076 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PODN | 18.4303264 | 2731.526838 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| BCAN | 18.4303266 | 2731.527089 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| MYBPH | 18.4303263 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| MAP1LC3C | 18.4303264 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC092687.3 | 18.4303264 | 2731.527076 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| KLHL29 | 18.4303262 | 2731.527023 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AGBL5 | 18.4303264 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| GCKR | 18.4303263 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC007250.1 | 18.4303262 | 2731.52697 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC107081.2 | 18.4303264 | 2731.527076 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC073869.3 | 18.4303264 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC007750.1 | 18.4303264 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| NOSTRIN | 18.4303266 | 2731.527089 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| KIAA2012 | 18.4303263 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC090948.3 | 18.4303263 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| MAGI1 | 18.4303262 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| TMEM212 | 18.4303263 | 2731.526904 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC116651.1 | 18.4303266 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC097504.2 | 18.4303266 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LRAT | 18.4303264 | 2731.527076 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LINC02427 | 18.4303264 | 2731.527076 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ROPN1L | 18.4303265 | 2731.527076 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| RNF180 | 18.4303264 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| SNCAIP | 18.4303264 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| DND1 | 18.4303264 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| SLC36A3 | 18.4303263 | 2731.52701 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| SLIT3 | 18.4303264 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL139095.4 | 18.4303265 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| DDR1-DT | 18.4303262 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|--------|-------|----------|-------|---|
| POU5F1 | 18.4303264 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LY6G6C | 18.4303264 | 2731.526838 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| RHAG | 18.4303263 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL354892.2 | 18.4303263 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ZNF853 | 18.4303265 | 2731.527129 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| HOXA3 | 18.4303266 | 2731.527089 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| SPDYE1 | 18.4303264 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ZBPB | 18.4303264 | 2731.526904 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| CFAP69 | 18.4303262 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| CHRD1 | 18.4303264 | 2731.526838 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| FGF20 | 18.4303265 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PENK | 18.4303264 | 2731.526891 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC067930.5 | 18.4303262 | 2731.527023 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LMO1 | 18.4303263 | 2731.526904 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC018410.1 | 18.4303263 | 2731.526904 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AP003064.2 | 18.4303264 | 2731.527063 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| KDM4D | 18.4303265 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AP000757.1 | 18.4303263 | 2731.526904 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PARD3 | 18.4303264 | 2731.526838 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ASAH2 | 18.4303264 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| EBF3 | 18.4303264 | 2731.526838 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| B4GALNT3 | 18.4303262 | 2731.52697 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| GUCY2C | 18.4303264 | 2731.527063 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ATP7B | 18.4303262 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC007182.1 | 18.4303263 | 2731.526904 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| TMEM63C | 18.4303262 | 2731.527023 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| TEPP | 18.4303264 | 2731.526865 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| NECAB2 | 18.4303264 | 2731.526838 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC107982.3 | 18.4303262 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC087294.1 | 18.4303264 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| CCL1 | 18.4303262 | 2731.527023 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC091132.1 | 18.4303263 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LINC01483 | 18.4303264 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| QRICH2 | 18.4303263 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC022966.1 | 18.4303264 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC090229.1 | 18.4303264 | 2731.526904 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| TMEM74B | 18.4303262 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ADAM33 | 18.4303263 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ITCH-AS1 | 18.4303264 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC007292.1 | 18.4303264 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| CYP4F12 | 18.4303264 | 2731.526838 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ZNF221 | 18.4303264 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| EHD2 | 18.4303264 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| XKR3 | 18.4303266 | 2731.527089 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC004832.6 | 18.4303263 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|--------|-------|----------|-------|---|
| AC254562.2 | 18.4303264 | 2731.526904 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| GRIK1 | 18.4303263 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AP000238.1 | 18.4303263 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AP000253.1 | 18.4303264 | 2731.526904 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| TMPRSS3 | 18.4303265 | 2731.527129 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| SCNN1D | 18.4303263 | 2731.526891 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PRDM16 | 18.4303265 | 2731.527036 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| DPYD-AS1 | 18.4303261 | 2731.527076 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| FCRL6 | 18.4303266 | 2731.527129 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LINC01645 | 18.4303263 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| CFHR3 | 18.4303262 | 2731.526825 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| MARK1 | 18.4303263 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| CAPN8 | 18.430326 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC011747.2 | 18.4303263 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| MIR3681HG | 18.4303262 | 2731.52701 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC093690.1 | 18.4303263 | 2731.527129 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PTH2R | 18.4303265 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| CPS1 | 18.4303263 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC131097.4 | 18.4303263 | 2731.527129 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC104187.1 | 18.4303263 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC137630.1 | 18.4303263 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| HTR1F | 18.4303263 | 2731.526891 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PTTG2 | 18.4303263 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| TXK | 18.4303263 | 2731.527129 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LNX1 | 18.4303262 | 2731.52701 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| BTC | 18.4303266 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| GALNTL6 | 18.4303264 | 2731.526944 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PLEKHG4B | 18.4303263 | 2731.526878 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC034236.3 | 18.4303261 | 2731.527076 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| SFTA2 | 18.4303261 | 2731.52697 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PI16 | 18.4303263 | 2731.52697 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| BVES-AS1 | 18.4303263 | 2731.526891 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| FAM131B | 18.4303264 | 2731.527023 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| NUDT10 | 18.4303264 | 2731.526838 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| GLUD2 | 18.430326 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| TMLHE-AS1 | 18.4303263 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC107959.5 | 18.4303264 | 2731.52701 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| DUSP26 | 18.4303265 | 2731.527036 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC087362.1 | 18.4303264 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| RAD54B | 18.4303262 | 2731.526825 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC090922.1 | 18.4303262 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PTPRD-AS1 | 18.4303263 | 2731.527129 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| TRPM3 | 18.430326 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| OR5211 | 18.4303263 | 2731.526865 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC023946.1 | 18.4303263 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|--------|-------|----------|-------|---|
| ABTB2 | 18.4303263 | 2731.527063 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| RERG | 18.4303262 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ASIC1 | 18.4303263 | 2731.526865 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| MYBPC1 | 18.4303263 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL158063.1 | 18.4303264 | 2731.527116 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL138694.1 | 18.4303262 | 2731.526865 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AF111167.1 | 18.4303262 | 2731.526851 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| C14orf132 | 18.4303263 | 2731.526891 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| SNURF | 18.4303263 | 2731.527129 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| DPH6-DT | 18.4303263 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC013391.1 | 18.430326 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| CRTC3-AS1 | 18.4303263 | 2731.527129 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC109597.2 | 18.430326 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| NPIPA3 | 18.4303265 | 2731.527036 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC133919.2 | 18.4303263 | 2731.526865 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC240565.2 | 18.4303264 | 2731.52701 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| TEKT3 | 18.4303263 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC005549.1 | 18.4303263 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC060766.6 | 18.4303264 | 2731.52701 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LINC00511 | 18.4303264 | 2731.526944 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC120049.1 | 18.4303263 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC100778.3 | 18.4303263 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL049794.1 | 18.4303263 | 2731.526891 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| CCM2L | 18.4303262 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL023803.2 | 18.4303262 | 2731.52701 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL031055.1 | 18.4303261 | 2731.527076 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| CSE1L-AS1 | 18.4303263 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC011498.6 | 18.4303263 | 2731.52697 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| TM6SF2 | 18.4303263 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ZNF418 | 18.4303263 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LINC00896 | 18.4303263 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| SCARF2 | 18.4303261 | 2731.52697 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| SLC5A4 | 18.4303262 | 2731.52701 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL121672.3 | 18.4303263 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LINC00158 | 18.4303263 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LINC00310 | 18.4303264 | 2731.527142 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AP001412.1 | 18.4303263 | 2731.526878 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LINC01786 | 18.4303263 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL513327.1 | 18.4303264 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL596275.2 | 18.4303263 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| GNG12-AS1 | 18.4303264 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| DNASE2B | 18.4303264 | 2731.526904 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| CD5L | 18.4303263 | 2731.527116 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| C1orf143 | 18.4303261 | 2731.526904 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC009242.1 | 18.4303263 | 2731.527116 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |

| | | | | | | | |
|-----------------|------------|-------------|--------|-------|----------|-------|---|
| FAM228A | 18.4303261 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC012073.1 | 18.4303264 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC008280.3 | 18.4303264 | 2731.526904 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC017002.1 | 18.4303263 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| KIF5C | 18.4303262 | 2731.52701 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC022001.3 | 18.4303263 | 2731.526944 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LINC02026 | 18.4303263 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC024560.3 | 18.430326 | 2731.526772 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC108477.1 | 18.4303263 | 2731.527116 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PCDHB3 | 18.4303261 | 2731.526917 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LINC02569 | 18.4303261 | 2731.526904 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| TEAD3 | 18.430326 | 2731.526772 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL136304.1 | 18.4303263 | 2731.527116 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LINC02518 | 18.4303262 | 2731.526825 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL627422.2 | 18.4303262 | 2731.527036 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC019117.2 | 18.4303262 | 2731.527036 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC004837.2 | 18.4303262 | 2731.527023 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ABCA13 | 18.430326 | 2731.526838 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ZNF727 | 18.4303263 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC004990.1 | 18.4303262 | 2731.527036 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| KIAA1549 | 18.4303263 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| RNF32 | 18.4303263 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| SRPX | 18.4303263 | 2731.526944 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| TMSB15B | 18.4303263 | 2731.527142 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PIWIL2 | 18.4303263 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| GPR20 | 18.4303262 | 2731.52701 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL359636.1 | 18.4303264 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| TUBB8 | 18.4303262 | 2731.526825 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC073651.1 | 18.4303261 | 2731.527089 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| SCN8A | 18.4303263 | 2731.52701 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| GLS2 | 18.4303264 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC026367.3 | 18.4303261 | 2731.527089 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LINC00462 | 18.4303263 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL132780.1 | 18.4303261 | 2731.526917 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL157756.1 | 18.4303263 | 2731.526944 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC122108.2 | 18.4303262 | 2731.527036 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| TPM1-AS | 18.430326 | 2731.526772 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| RPL3L | 18.4303262 | 2731.527036 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| IRX5 | 18.430326 | 2731.526772 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| BEAN1 | 18.4303261 | 2731.526904 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC138627.1 | 18.4303261 | 2731.527089 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC091153.4 | 18.4303263 | 2731.526944 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LINC02210-CRHR1 | 18.4303263 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| HOXB3 | 18.4303264 | 2731.526838 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| C17orf82 | 18.4303264 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|--------|-------|----------|-------|---|
| GRIN2C | 18.4303262 | 2731.526798 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| TRERNA1 | 18.4303264 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PALM | 18.430326 | 2731.526772 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC008770.2 | 18.4303263 | 2731.526944 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC010422.3 | 18.4303264 | 2731.526997 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC016590.3 | 18.4303263 | 2731.527116 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ZNF233 | 18.4303261 | 2731.527089 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ZNF135 | 18.4303264 | 2731.526838 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL022322.1 | 18.4303264 | 2731.526904 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL121992.2 | 18.4303261 | 2731.526838 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| UBXN10 | 18.4303262 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL136115.1 | 18.4303261 | 2731.526865 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PDZK1IP1 | 18.4303262 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL445231.1 | 18.4303261 | 2731.526865 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| MYOC | 18.4303259 | 2731.526838 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| SUSD4 | 18.4303262 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PLEKHH2 | 18.4303261 | 2731.52701 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PARD3B | 18.4303261 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ACKR2 | 18.430326 | 2731.526838 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| HYAL1 | 18.4303263 | 2731.527076 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| TM4SF4 | 18.4303261 | 2731.527116 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC146944.4 | 18.4303261 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC008438.1 | 18.4303262 | 2731.526865 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| TTK | 18.430326 | 2731.526838 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC024084.1 | 18.4303261 | 2731.52697 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC107959.3 | 18.4303262 | 2731.526838 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PGM5-AS1 | 18.4303261 | 2731.527089 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ALDH1L2 | 18.4303261 | 2731.526838 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL365394.1 | 18.4303261 | 2731.527063 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| STXBP6 | 18.430326 | 2731.526838 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC012236.1 | 18.4303261 | 2731.527116 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| PRSS27 | 18.4303261 | 2731.527089 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC009119.2 | 18.4303261 | 2731.526891 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC009123.1 | 18.4303262 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL035461.2 | 18.4303261 | 2731.526865 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ZNF99 | 18.4303261 | 2731.526865 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC011466.1 | 18.4303263 | 2731.527076 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| TULP2 | 18.4303262 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC245884.8 | 18.4303261 | 2731.526798 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| GRM7-AS1 | 18.430326 | 2731.527049 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| RPL34-AS1 | 18.4303261 | 2731.526957 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| IDO2 | 18.4303261 | 2731.527102 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| CDKN2B-AS1 | 18.430326 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AP000936.1 | 18.4303262 | 2731.527102 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LINC02551 | 18.4303261 | 2731.526865 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|--------|-------|----------|-------|---|
| KRT80 | 18.4303262 | 2731.527102 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC011939.3 | 18.4303261 | 2731.526865 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC027277.1 | 18.430326 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL117328.2 | 18.4303263 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL445248.1 | 18.4303262 | 2731.526851 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC096586.1 | 18.4303262 | 2731.526891 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| FIRRE | 18.4303262 | 2731.526851 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| CYP7A1 | 18.4303262 | 2731.526851 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| CDH3 | 18.4303262 | 2731.526851 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LRRRC7 | 18.430326 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| KCND3 | 18.430326 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| KCNS3 | 18.430326 | 2731.526983 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LIMS3 | 18.430326 | 2731.526944 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ZFP37 | 18.430326 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AL731533.2 | 18.430326 | 2731.526825 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| SFTPD-AS1 | 18.4303259 | 2731.526917 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| ABCC2 | 18.430326 | 2731.526944 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| LINC01993 | 18.430326 | 2731.526931 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| AC010271.1 | 18.4303262 | 2731.526917 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| Z82217.1 | 18.4303262 | 2731.527063 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| CREB3L1 | 18.4303259 | 2731.526825 | 0.0067 | 0.995 | 4.82E-09 | count | 1 |
| CSMD1 | 19.7400066 | 1476.028717 | 0.0134 | 0.989 | 4.88E-09 | count | 1 |
| TRIM71 | 19.7400062 | 1476.029 | 0.0134 | 0.989 | 4.88E-09 | count | 1 |
| AC022217.3 | 19.7400057 | 1476.028582 | 0.0134 | 0.989 | 4.88E-09 | count | 1 |
| FAM209B | 19.7400056 | 1476.028582 | 0.0134 | 0.989 | 4.88E-09 | count | 1 |
| AL049795.1 | 19.0442689 | 1479.888577 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| LINC01960 | 19.0442686 | 1479.888712 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC079354.3 | 19.0442686 | 1479.888712 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC078881.1 | 19.0442686 | 1479.888712 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| EGFL8 | 19.0442689 | 1479.888577 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC131011.1 | 19.0442686 | 1479.888712 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AL354710.2 | 19.0442686 | 1479.888712 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC027682.2 | 19.0442686 | 1479.888712 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| CHMP4C | 19.0442687 | 1479.888651 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| NHLH1 | 19.0442687 | 1479.888725 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC010746.1 | 19.0442688 | 1479.888759 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| DNAH12 | 19.0442686 | 1479.888698 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| LINC02102 | 19.0442686 | 1479.888685 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| EPB41L4A | 19.0442686 | 1479.888698 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| GRID2IP | 19.0442688 | 1479.888759 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC092849.1 | 19.0442686 | 1479.888671 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| TRBV9 | 19.0442686 | 1479.888685 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC084026.2 | 19.0442687 | 1479.888691 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| SFTA1P | 19.0442686 | 1479.888644 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| MANSC4 | 19.0442687 | 1479.888725 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|--------|------|----------|-------|---|
| AC007496.2 | 19.0442686 | 1479.888563 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| CKLF-CMTM1 | 19.0442686 | 1479.888698 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC010531.6 | 19.0442686 | 1479.888698 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC021491.4 | 19.0442686 | 1479.888671 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| FAM83D | 19.0442686 | 1479.888671 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| LGI4 | 19.0442686 | 1479.888644 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| Z95114.2 | 19.0442686 | 1479.888671 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| CACHD1 | 19.0442686 | 1479.888631 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| WDR63 | 19.0442687 | 1479.888678 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| TMPRSS7 | 19.0442686 | 1479.888631 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| MARVELD2 | 19.0442687 | 1479.888685 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| LRRRC73 | 19.0442686 | 1479.888671 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| RAB40A | 19.0442686 | 1479.888651 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC136624.2 | 19.0442686 | 1479.888671 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| TMED6 | 19.0442685 | 1479.888624 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC011921.1 | 19.0442686 | 1479.888631 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| PARD6G | 19.0442687 | 1479.888664 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| LYPD8 | 19.0442686 | 1479.888604 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| DES | 19.0442686 | 1479.888617 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| NPY1R | 19.0442686 | 1479.888617 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| C9orf163 | 19.0442686 | 1479.888631 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AP001267.3 | 19.0442686 | 1479.888664 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC079315.1 | 19.0442686 | 1479.888638 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC023034.1 | 19.0442687 | 1479.888638 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| FMOD | 19.0442684 | 1479.888597 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| SPINK9 | 19.0442686 | 1479.888691 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| TMEM200A | 19.0442685 | 1479.888631 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| FAM171A1 | 19.0442684 | 1479.888597 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| MUCL1 | 19.0442684 | 1479.888644 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC090181.1 | 19.0442686 | 1479.888691 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC020978.5 | 19.0442684 | 1479.888631 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| PSMA8 | 19.0442686 | 1479.888691 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| 3-Sep | 19.0442684 | 1479.888597 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| MAPK11 | 19.0442684 | 1479.888597 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AP000569.1 | 19.0442684 | 1479.888631 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AP000322.2 | 19.0442684 | 1479.888597 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC018682.1 | 19.0442683 | 1479.888604 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| LINC01513 | 19.0442683 | 1479.888691 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| PCDHB9 | 19.0442683 | 1479.888604 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| ELFN1-AS1 | 19.0442683 | 1479.888671 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| OR5AN1 | 19.0442684 | 1479.888638 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| MS4A3 | 19.0442683 | 1479.888651 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AL512506.3 | 19.0442684 | 1479.888597 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| SLITRK5 | 19.0442683 | 1479.888651 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| TBC1D3D | 19.0442685 | 1479.888604 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|--------|--------|----------|-------|---|
| AC097724.1 | 19.0442682 | 1479.888617 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC007391.1 | 19.0442682 | 1479.888617 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| PCDHB2 | 19.0442684 | 1479.88859 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AL021997.3 | 19.0442682 | 1479.888617 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| SFRP1 | 19.0442682 | 1479.888624 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AL391839.2 | 19.0442682 | 1479.888617 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| BX248123.1 | 19.0442682 | 1479.888617 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| ADRA2A | 19.0442684 | 1479.888651 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC121761.1 | 19.0442682 | 1479.888611 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| APBA2 | 19.0442682 | 1479.888624 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC009041.2 | 19.0442682 | 1479.888617 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AP005432.2 | 19.0442684 | 1479.88859 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| C20orf144 | 19.0442682 | 1479.888604 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AL354760.1 | 19.0442683 | 1479.888624 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC112220.3 | 19.0442682 | 1479.888631 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| OPRK1 | 19.0442682 | 1479.888631 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| SAMD12 | 19.0442682 | 1479.888631 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AL512625.3 | 19.0442683 | 1479.888624 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| BICDL1 | 19.0442682 | 1479.888631 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| C1orf167 | 19.0442681 | 1479.888644 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| DMP1 | 19.0442683 | 1479.888631 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| LINC01393 | 19.0442683 | 1479.888698 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| TTC16 | 19.0442683 | 1479.888698 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AL136526.1 | 19.0442683 | 1479.888698 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC087286.1 | 19.0442683 | 1479.888631 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| AC134407.1 | 19.0442683 | 1479.888698 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| FOXD3-AS1 | 19.0442681 | 1479.88851 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| PRL | 19.0442681 | 1479.88851 | 0.0129 | 0.99 | 4.89E-09 | count | 1 |
| LINC00504 | 0.9393018 | 0.7580156 | 1.2392 | 0.215 | 5.13E-09 | count | 1 |
| AL021707.5 | 0.9393018 | 0.649591 | 1.446 | 0.148 | 5.13E-09 | count | 1 |
| CFAP70 | 0.9393018 | 0.649591 | 1.446 | 0.148 | 5.13E-09 | count | 1 |
| KAT14 | 0.4246942 | 0.5208916 | 0.8153 | 0.415 | 5.37E-09 | count | 1 |
| KIZ-AS1 | 1.0016945 | 0.7688079 | 1.3029 | 0.193 | 5.58E-09 | count | 1 |
| YAP1 | 1.0016945 | 0.7688079 | 1.3029 | 0.193 | 5.58E-09 | count | 1 |
| AC007620.2 | 1.0016945 | 0.7688079 | 1.3029 | 0.193 | 5.58E-09 | count | 1 |
| COL24A1 | 1.0016945 | 0.7688079 | 1.3029 | 0.193 | 5.58E-09 | count | 1 |
| AL590399.1 | 1.0016945 | 0.7688079 | 1.3029 | 0.193 | 5.58E-09 | count | 1 |
| MYB | 1.0016945 | 0.7688079 | 1.3029 | 0.193 | 5.58E-09 | count | 1 |
| DLX4 | 1.0016945 | 0.7688079 | 1.3029 | 0.193 | 5.58E-09 | count | 1 |
| B9D1 | 1.0016945 | 0.7688079 | 1.3029 | 0.193 | 5.58E-09 | count | 1 |
| ZNF710-AS1 | 0.5259245 | 0.6118511 | 0.8596 | 0.39 | 6.87E-09 | count | 1 |
| PYGM | 0.5338367 | 0.6556708 | 0.8142 | 0.416 | 6.99E-09 | count | 1 |
| AC005034.3 | 0.5338367 | 0.486565 | 1.0972 | 0.273 | 6.99E-09 | count | 1 |
| BCL2L14 | 1.208508 | 0.5430113 | 2.2256 | 0.0261 | 7.12E-09 | count | 1 |
| NEBL | 1.208508 | 0.4627212 | 2.6117 | 0.0091 | 7.12E-09 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|--------|--------|----------|-------|---|
| FADS2 | 0.6950648 | 0.4840703 | 1.4359 | 0.151 | 9.58E-09 | count | 1 |
| LURAP1 | 0.7031844 | 0.5238275 | 1.3424 | 0.18 | 9.72E-09 | count | 1 |
| SRXN1 | 1.6139731 | 0.5773503 | 2.7955 | 0.0052 | 1.05E-08 | count | 1 |
| LRRRC17 | 0.7569803 | 0.642633 | 1.1779 | 0.239 | 1.06E-08 | count | 1 |
| AC013652.1 | 0.7743155 | 0.6601244 | 1.173 | 0.241 | 1.09E-08 | count | 1 |
| AC068491.3 | 0.7743155 | 0.8266783 | 0.9367 | 0.349 | 1.09E-08 | count | 1 |
| SH2D6 | 0.7743155 | 0.8266783 | 0.9367 | 0.349 | 1.09E-08 | count | 1 |
| HSPB2 | 0.7743155 | 0.8266783 | 0.9367 | 0.349 | 1.09E-08 | count | 1 |
| AL353708.1 | 0.7743155 | 0.8266783 | 0.9367 | 0.349 | 1.09E-08 | count | 1 |
| TRPV1 | 0.7743155 | 0.8266783 | 0.9367 | 0.349 | 1.09E-08 | count | 1 |
| CLDN16 | 0.7743155 | 0.8266783 | 0.9367 | 0.349 | 1.09E-08 | count | 1 |
| AC137723.1 | 0.7743155 | 0.8266783 | 0.9367 | 0.349 | 1.09E-08 | count | 1 |
| AC093227.1 | 0.7743155 | 0.8525727 | 0.9082 | 0.364 | 1.09E-08 | count | 1 |
| GZMB | 0.7743155 | 0.8525727 | 0.9082 | 0.364 | 1.09E-08 | count | 1 |
| AC011337.1 | 0.7743155 | 0.8525727 | 0.9082 | 0.364 | 1.09E-08 | count | 1 |
| TMCC2 | 0.7743155 | 0.8525727 | 0.9082 | 0.364 | 1.09E-08 | count | 1 |
| KCNH3 | 0.7743155 | 0.8525727 | 0.9082 | 0.364 | 1.09E-08 | count | 1 |
| AC007326.4 | 0.7743155 | 0.8525727 | 0.9082 | 0.364 | 1.09E-08 | count | 1 |
| NPIPB15 | 0.7951589 | 0.5728693 | 1.388 | 0.165 | 1.13E-08 | count | 1 |
| NOMO2 | 0.7951589 | 0.6455904 | 1.2317 | 0.218 | 1.13E-08 | count | 1 |
| SEMA6C | 0.8902569 | 0.6414993 | 1.3878 | 0.165 | 1.30E-08 | count | 1 |
| VAT1L | 18.5321042 | 2874.128727 | 0.0064 | 0.995 | 1.31E-08 | count | 1 |
| OSR1 | 18.5321038 | 2874.128809 | 0.0064 | 0.995 | 1.31E-08 | count | 1 |
| SGCD | 18.532104 | 2874.128665 | 0.0064 | 0.995 | 1.31E-08 | count | 1 |
| AC012150.1 | 18.532104 | 2874.128665 | 0.0064 | 0.995 | 1.31E-08 | count | 1 |
| AC141586.2 | 18.5321038 | 2874.128809 | 0.0064 | 0.995 | 1.31E-08 | count | 1 |
| FCRL1 | 18.5321038 | 2874.128583 | 0.0064 | 0.995 | 1.31E-08 | count | 1 |
| AC018638.6 | 18.5321035 | 2874.128665 | 0.0064 | 0.995 | 1.31E-08 | count | 1 |
| AC008121.2 | 18.5321038 | 2874.128583 | 0.0064 | 0.995 | 1.31E-08 | count | 1 |
| AL121845.1 | 18.5321039 | 2874.128768 | 0.0064 | 0.995 | 1.31E-08 | count | 1 |
| MATN1 | 18.532104 | 2874.128799 | 0.0064 | 0.995 | 1.31E-08 | count | 1 |
| LIPH | 18.532104 | 2874.128799 | 0.0064 | 0.995 | 1.31E-08 | count | 1 |
| AC004982.1 | 18.532104 | 2874.128799 | 0.0064 | 0.995 | 1.31E-08 | count | 1 |
| ZNF709 | 18.532104 | 2874.128799 | 0.0064 | 0.995 | 1.31E-08 | count | 1 |
| CCDC33 | 18.5321036 | 2874.128635 | 0.0064 | 0.995 | 1.31E-08 | count | 1 |
| HBB | 18.5321033 | 2874.128573 | 0.0064 | 0.995 | 1.31E-08 | count | 1 |
| TDRD10 | 18.8196994 | 2028.19145 | 0.0093 | 0.993 | 1.31E-08 | count | 1 |
| AC110285.2 | 18.8196994 | 2028.191421 | 0.0093 | 0.993 | 1.31E-08 | count | 1 |
| LLGL1 | 18.8192076 | 1652.963425 | 0.0114 | 0.991 | 1.31E-08 | count | 1 |
| RAPGEF3 | 18.8192072 | 1652.963401 | 0.0114 | 0.991 | 1.31E-08 | count | 1 |
| INSM1 | 18.5313554 | 2139.407022 | 0.0087 | 0.993 | 1.31E-08 | count | 1 |
| PARVA | 18.5313554 | 2139.407091 | 0.0087 | 0.993 | 1.31E-08 | count | 1 |
| KCNJ11 | 18.5313556 | 2139.407022 | 0.0087 | 0.993 | 1.31E-08 | count | 1 |
| AIRE | 18.5313557 | 2139.407205 | 0.0087 | 0.993 | 1.31E-08 | count | 1 |
| MAP2 | 18.5313552 | 2139.406908 | 0.0087 | 0.993 | 1.31E-08 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|--------|-------|----------|-------|---|
| CXCR1 | 18.5313553 | 2139.406976 | 0.0087 | 0.993 | 1.31E-08 | count | 1 |
| SKIDA1 | 18.5313554 | 2139.407045 | 0.0087 | 0.993 | 1.31E-08 | count | 1 |
| AC139491.7 | 18.5313549 | 2139.406931 | 0.0087 | 0.993 | 1.31E-08 | count | 1 |
| RASGEF1C | 18.5313554 | 2139.407007 | 0.0087 | 0.993 | 1.31E-08 | count | 1 |
| ZNF79 | 18.5313557 | 2139.407137 | 0.0087 | 0.993 | 1.31E-08 | count | 1 |
| CCDC154 | 18.5313552 | 2139.406954 | 0.0087 | 0.993 | 1.31E-08 | count | 1 |
| AC027702.1 | 18.5313551 | 2139.406992 | 0.0087 | 0.993 | 1.31E-08 | count | 1 |
| AC009159.3 | 18.5313555 | 2139.407091 | 0.0087 | 0.993 | 1.31E-08 | count | 1 |
| PIFO | 18.5308183 | 1654.35969 | 0.0112 | 0.991 | 1.31E-08 | count | 1 |
| NDFIP2 | 18.5308184 | 1654.359743 | 0.0112 | 0.991 | 1.31E-08 | count | 1 |
| LINC01238 | 18.5308184 | 1654.359661 | 0.0112 | 0.991 | 1.31E-08 | count | 1 |
| SEMA3B | 18.5308183 | 1654.359666 | 0.0112 | 0.991 | 1.31E-08 | count | 1 |
| PGA4 | 18.5308185 | 1654.35969 | 0.0112 | 0.991 | 1.31E-08 | count | 1 |
| AC022916.1 | 18.5308181 | 1654.35969 | 0.0112 | 0.991 | 1.31E-08 | count | 1 |
| LOXHD1 | 18.5308183 | 1654.359655 | 0.0112 | 0.991 | 1.31E-08 | count | 1 |
| KCTD21-AS1 | 18.5308181 | 1654.359548 | 0.0112 | 0.991 | 1.31E-08 | count | 1 |
| HOXB-AS3 | 18.5308185 | 1654.359619 | 0.0112 | 0.991 | 1.31E-08 | count | 1 |
| AC091173.1 | 18.5308182 | 1654.359637 | 0.0112 | 0.991 | 1.31E-08 | count | 1 |
| DMPK | 18.5308182 | 1654.359719 | 0.0112 | 0.991 | 1.31E-08 | count | 1 |
| AC008467.1 | 18.5308179 | 1654.359637 | 0.0112 | 0.991 | 1.31E-08 | count | 1 |
| AC084855.2 | 18.1250804 | 2344.888095 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| SCGB1B2P | 18.1250804 | 2344.888229 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| AC226118.1 | 18.1250802 | 2344.88812 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| GPRASP2 | 18.1250801 | 2344.888078 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| LINC02172 | 18.1250801 | 2344.888154 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| AL355802.2 | 18.1250803 | 2344.888279 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| AC126177.8 | 18.1250801 | 2344.888154 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| MTRNR2L1 | 18.1250801 | 2344.88817 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| AC007998.4 | 18.1250802 | 2344.888104 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| SLC2A10 | 18.1250802 | 2344.888129 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| AC104170.1 | 18.1250801 | 2344.888062 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| FAXC | 18.1250802 | 2344.888129 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| LINC00629 | 18.1250801 | 2344.888162 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| PHYHIP | 18.1250801 | 2344.888162 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| COL5A1 | 18.1250801 | 2344.888162 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| ARMC4 | 18.1250802 | 2344.888154 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| OLFM4 | 18.1250802 | 2344.888129 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| CELF4 | 18.1250802 | 2344.888129 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| LINC01273 | 18.1250801 | 2344.888104 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| FAM43B | 18.1250803 | 2344.888129 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| AGTR1 | 18.1250801 | 2344.88812 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| AC106881.1 | 18.1250803 | 2344.888129 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| FRG1-DT | 18.1250803 | 2344.888129 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| BMP6 | 18.1250801 | 2344.88812 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| VAX1 | 18.1250799 | 2344.888137 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|--------|-------|----------|-------|---|
| AC009093.1 | 18.1250801 | 2344.88812 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| LINC01624 | 18.1250801 | 2344.888087 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| LANCL3 | 18.1250801 | 2344.888087 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| AL356275.1 | 18.1250799 | 2344.888078 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| AL160408.4 | 18.1250799 | 2344.888078 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| ALS2CR12 | 18.12508 | 2344.888095 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| OR5H14 | 18.1250799 | 2344.888078 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| OR2A1-AS1 | 18.1250799 | 2344.888078 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| ARMS2 | 18.1250799 | 2344.888078 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| LINC00470 | 18.1250799 | 2344.888078 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| TLE2 | 18.1250799 | 2344.888078 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| OR2B6 | 18.1250799 | 2344.888129 | 0.0077 | 0.994 | 1.31E-08 | count | 1 |
| AL139384.2 | 18.1244968 | 1655.628137 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AC024267.4 | 18.1244967 | 1655.628214 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| SPATA25 | 18.1244966 | 1655.628102 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AL162742.1 | 18.1244967 | 1655.628179 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| UBE2Q2L | 18.1244964 | 1655.628137 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AC239803.1 | 18.1244965 | 1655.628137 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AL353593.1 | 18.1244966 | 1655.628102 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| CD8B2 | 18.1244967 | 1655.628155 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| GALNT15 | 18.1244965 | 1655.628126 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| LRRTM2 | 18.1244966 | 1655.628126 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| PCDHGB7 | 18.1244965 | 1655.628096 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| GPT | 18.1244964 | 1655.628137 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AL356056.1 | 18.1244965 | 1655.628078 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| ENO4 | 18.1244966 | 1655.628161 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AC138207.7 | 18.1244965 | 1655.62812 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| PSPN | 18.1244966 | 1655.628102 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| GSTM5 | 18.1244966 | 1655.628096 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AC137630.3 | 18.1244963 | 1655.628055 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| LINC02150 | 18.1244965 | 1655.628137 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| ITGA2 | 18.1244965 | 1655.628078 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| JAZF1-AS1 | 18.1244964 | 1655.628102 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| TMEM225B | 18.1244964 | 1655.628067 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AC007938.3 | 18.1244964 | 1655.628043 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AC124947.1 | 18.1244964 | 1655.628031 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AC012085.2 | 18.1244966 | 1655.628126 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AC055713.1 | 18.1244966 | 1655.628108 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AL031600.3 | 18.1244965 | 1655.628084 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| HOXB8 | 18.1244964 | 1655.628108 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AC092835.1 | 18.1244965 | 1655.628043 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AC009226.1 | 18.1244965 | 1655.628132 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| ZDHHC11B | 18.1244964 | 1655.628078 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AC026412.3 | 18.1244965 | 1655.628179 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AC104113.1 | 18.1244963 | 1655.628049 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|--------|-------|----------|-------|---|
| RGMB-AS1 | 18.1244966 | 1655.628143 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| FIBCD1 | 18.1244964 | 1655.628161 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AC022400.6 | 18.1244964 | 1655.628143 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AL121929.2 | 18.1244964 | 1655.628078 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| NPIPB13 | 18.1244964 | 1655.628155 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| HAS3 | 18.1244965 | 1655.628179 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| SLC5A10 | 18.1244965 | 1655.628155 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| PADI6 | 18.1244965 | 1655.628114 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| PM20D1 | 18.1244964 | 1655.62812 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| GPR150 | 18.1244964 | 1655.628126 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AC091948.1 | 18.1244964 | 1655.628126 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AL662797.1 | 18.1244963 | 1655.628049 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AL356124.1 | 18.1244963 | 1655.628108 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| ZFP92 | 18.1244965 | 1655.628084 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| ORM1 | 18.1244964 | 1655.628126 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AL121748.2 | 18.1244963 | 1655.628078 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AL157832.1 | 18.1244964 | 1655.628049 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| MYO1A | 18.1244964 | 1655.628084 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| PKN2-AS1 | 18.1244963 | 1655.628149 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| CCDC85A | 18.1244963 | 1655.628078 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AC005740.4 | 18.1244963 | 1655.628037 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| TMEM45B | 18.1244961 | 1655.628043 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AC016394.2 | 18.1244964 | 1655.628137 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| AC008763.1 | 18.1244962 | 1655.628067 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| PCDHGA6 | 18.1244963 | 1655.628137 | 0.0109 | 0.991 | 1.31E-08 | count | 1 |
| FAM161B | 0.3860913 | 0.5295237 | 0.7291 | 0.466 | 1.31E-08 | count | 1 |
| TMEM198 | 19.4392274 | 1802.949017 | 0.0108 | 0.991 | 1.32E-08 | count | 1 |
| LINC00211 | 18.8628971 | 2589.943635 | 0.0073 | 0.994 | 1.32E-08 | count | 1 |
| AL360181.2 | 18.8627186 | 1949.026634 | 0.0097 | 0.992 | 1.32E-08 | count | 1 |
| MYO7B | 18.8626715 | 1949.016967 | 0.0097 | 0.992 | 1.32E-08 | count | 1 |
| DMTN | 19.1497917 | 1560.031092 | 0.0123 | 0.99 | 1.32E-08 | count | 1 |
| LINC00885 | 19.1497916 | 1560.031092 | 0.0123 | 0.99 | 1.32E-08 | count | 1 |
| HDAC11-AS1 | 19.1497912 | 1560.031155 | 0.0123 | 0.99 | 1.32E-08 | count | 1 |
| GPR137C | 19.1497914 | 1560.031071 | 0.0123 | 0.99 | 1.32E-08 | count | 1 |
| AC108463.3 | 19.1497911 | 1560.030976 | 0.0123 | 0.99 | 1.32E-08 | count | 1 |
| TENM1 | 19.1497911 | 1560.030976 | 0.0123 | 0.99 | 1.32E-08 | count | 1 |
| AL845472.1 | 19.1497911 | 1560.030976 | 0.0123 | 0.99 | 1.32E-08 | count | 1 |
| AC116366.2 | 18.7413273 | 1271.851491 | 0.0147 | 0.988 | 1.32E-08 | count | 1 |
| AC139795.2 | 18.7413271 | 1271.851375 | 0.0147 | 0.988 | 1.32E-08 | count | 1 |
| SLIT2 | 18.7413271 | 1271.851452 | 0.0147 | 0.988 | 1.32E-08 | count | 1 |
| AC079807.1 | 18.7413269 | 1271.851529 | 0.0147 | 0.988 | 1.32E-08 | count | 1 |
| ASPG | 18.741327 | 1271.851469 | 0.0147 | 0.988 | 1.32E-08 | count | 1 |
| CSMD2 | 18.7413267 | 1271.851512 | 0.0147 | 0.988 | 1.32E-08 | count | 1 |
| AC092384.1 | 19.0511414 | 2138.991388 | 0.0089 | 0.993 | 1.33E-08 | count | 1 |
| LINC02471 | 19.0511855 | 2139.002037 | 0.0089 | 0.993 | 1.33E-08 | count | 1 |

| | | | | | | | |
|-------------|------------|-------------|--------|----------|----------|-------|---|
| ZNF132 | 18.5593643 | 1938.565008 | 0.0096 | 0.992 | 1.33E-08 | count | 1 |
| FZD9 | 18.559371 | 1938.580507 | 0.0096 | 0.992 | 1.33E-08 | count | 1 |
| AC135012.1 | 18.5593575 | 1938.565196 | 0.0096 | 0.992 | 1.33E-08 | count | 1 |
| AL355490.2 | 18.5593627 | 1938.573078 | 0.0096 | 0.992 | 1.33E-08 | count | 1 |
| PLGLB1 | 18.5593673 | 1938.568881 | 0.0096 | 0.992 | 1.33E-08 | count | 1 |
| FOXC2 | 18.5593442 | 1938.574036 | 0.0096 | 0.992 | 1.33E-08 | count | 1 |
| AL512770.1 | 18.5593568 | 1938.577419 | 0.0096 | 0.992 | 1.33E-08 | count | 1 |
| AC004593.3 | 18.5593564 | 1938.577405 | 0.0096 | 0.992 | 1.33E-08 | count | 1 |
| CRX | 18.5593426 | 1938.569983 | 0.0096 | 0.992 | 1.33E-08 | count | 1 |
| LINC00691 | 18.5593548 | 1938.561272 | 0.0096 | 0.992 | 1.33E-08 | count | 1 |
| F12 | 18.559341 | 1938.570177 | 0.0096 | 0.992 | 1.33E-08 | count | 1 |
| SLC4A3 | 18.5593349 | 1938.570271 | 0.0096 | 0.992 | 1.33E-08 | count | 1 |
| FBXL16 | 18.5593314 | 1938.56647 | 0.0096 | 0.992 | 1.33E-08 | count | 1 |
| OCLN | 19.0500971 | 1919.879614 | 0.0099 | 0.992 | 1.33E-08 | count | 1 |
| LYPD2 | 0.4003053 | 0.698917 | 0.5728 | 0.567 | 1.36E-08 | count | 1 |
| KALRN | 0.9393018 | 0.9379904 | 1.0014 | 0.317 | 1.39E-08 | count | 1 |
| PDE3A | 0.9393018 | 0.9379904 | 1.0014 | 0.317 | 1.39E-08 | count | 1 |
| AL691403.1 | 0.9393018 | 0.9379904 | 1.0014 | 0.317 | 1.39E-08 | count | 1 |
| IKZF2 | 1.035242 | 0.5922974 | 1.7478 | 0.0806 | 1.58E-08 | count | 1 |
| TCIM | 1.1285195 | 1.1129849 | 1.014 | 0.311 | 1.77E-08 | count | 1 |
| AF230666.1 | 1.1285195 | 0.9176323 | 1.2298 | 0.219 | 1.77E-08 | count | 1 |
| ZNF578 | 1.1285195 | 0.7844669 | 1.4386 | 0.15 | 1.77E-08 | count | 1 |
| MORF4L2-AS1 | 1.2269839 | 0.7087989 | 1.7311 | 0.0836 | 1.97E-08 | count | 1 |
| PRRX1 | 1.2269839 | 0.7087989 | 1.7311 | 0.0836 | 1.97E-08 | count | 1 |
| AC103996.2 | 1.2269839 | 0.6285584 | 1.9521 | 0.051 | 1.97E-08 | count | 1 |
| AC006238.1 | 1.2269839 | 0.6285584 | 1.9521 | 0.051 | 1.97E-08 | count | 1 |
| AC087627.1 | 1.30515 | 0.8825956 | 1.4788 | 0.139 | 2.14E-08 | count | 1 |
| AC107214.1 | 1.30515 | 0.8825956 | 1.4788 | 0.139 | 2.14E-08 | count | 1 |
| EHD3 | 1.3836902 | 0.8834411 | 1.5663 | 0.117 | 2.32E-08 | count | 1 |
| GFPT2 | 1.4670031 | 1.2263035 | 1.1963 | 0.232 | 2.51E-08 | count | 1 |
| FRY-AS1 | 1.5296759 | 0.8691379 | 1.76 | 0.0785 | 2.65E-08 | count | 1 |
| ACKR1 | 1.5296759 | 0.8314648 | 1.8397 | 0.0659 | 2.65E-08 | count | 1 |
| SULT1A2 | 1.632449 | 0.606461 | 2.6918 | 0.0072 | 2.89E-08 | count | 1 |
| PGA5 | 1.632449 | 0.4268866 | 3.8241 | 1.00E-04 | 2.89E-08 | count | 1 |
| ZNF550 | 1.6643649 | 0.9709579 | 1.7141 | 0.0866 | 2.97E-08 | count | 1 |
| TIMD4 | 0.8306861 | 0.5295785 | 1.5686 | 0.117 | 3.25E-08 | count | 1 |
| TBX1 | 1.7865997 | 0.9594085 | 1.8622 | 0.0627 | 3.25E-08 | count | 1 |
| GIPC2 | 0.8359784 | 0.5021302 | 1.6649 | 0.0961 | 3.27E-08 | count | 1 |
| MED12L | 1.8908357 | 0.9606564 | 1.9683 | 0.0491 | 3.51E-08 | count | 1 |
| OVCH1-AS1 | 18.5170796 | 2852.619212 | 0.0065 | 0.995 | 3.53E-08 | count | 1 |
| AL731571.1 | 18.3833226 | 2668.079438 | 0.0069 | 0.995 | 3.53E-08 | count | 1 |
| SPATA8 | 18.634236 | 2252.338292 | 0.0083 | 0.993 | 3.54E-08 | count | 1 |
| NPIPA5 | 18.6338913 | 1984.814992 | 0.0094 | 0.993 | 3.54E-08 | count | 1 |
| FBN1 | 18.8339124 | 1941.025214 | 0.0097 | 0.992 | 3.54E-08 | count | 1 |
| GPR12 | 18.9206606 | 1967.766782 | 0.0096 | 0.992 | 3.54E-08 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|--------|--------|----------|-------|---|
| AC108102.1 | 18.045449 | 2253.359221 | 0.008 | 0.994 | 3.54E-08 | count | 1 |
| AC087289.5 | 18.045449 | 2253.359221 | 0.008 | 0.994 | 3.54E-08 | count | 1 |
| AC008443.3 | 18.0454486 | 2253.359138 | 0.008 | 0.994 | 3.54E-08 | count | 1 |
| LINC02080 | 18.0454486 | 2253.359138 | 0.008 | 0.994 | 3.54E-08 | count | 1 |
| GABRB3 | 18.0454491 | 2253.35915 | 0.008 | 0.994 | 3.54E-08 | count | 1 |
| C4BPB | 18.8329046 | 1166.252364 | 0.0161 | 0.987 | 3.54E-08 | count | 1 |
| AASS | 18.3809023 | 1257.41354 | 0.0146 | 0.988 | 3.54E-08 | count | 1 |
| NXPH3 | 18.3809024 | 1257.413543 | 0.0146 | 0.988 | 3.54E-08 | count | 1 |
| RRAS2 | 18.2266691 | 1420.969497 | 0.0128 | 0.99 | 3.54E-08 | count | 1 |
| FGF13 | 18.3805488 | 1135.820261 | 0.0162 | 0.987 | 3.55E-08 | count | 1 |
| ARHGAP42 | 18.0439994 | 1491.361787 | 0.0121 | 0.99 | 3.55E-08 | count | 1 |
| MIR497HG | 17.820388 | 1590.701359 | 0.0112 | 0.991 | 3.55E-08 | count | 1 |
| RBM44 | 17.8203879 | 1590.701346 | 0.0112 | 0.991 | 3.55E-08 | count | 1 |
| ADAD2 | 17.8203878 | 1590.701334 | 0.0112 | 0.991 | 3.55E-08 | count | 1 |
| CAMK2B | 17.8203878 | 1590.701296 | 0.0112 | 0.991 | 3.55E-08 | count | 1 |
| BEX5 | 17.8203878 | 1590.701317 | 0.0112 | 0.991 | 3.55E-08 | count | 1 |
| FAM72B | 18.0433773 | 1187.479445 | 0.0152 | 0.988 | 3.55E-08 | count | 1 |
| ZNF280C | 18.0433774 | 1187.479411 | 0.0152 | 0.988 | 3.55E-08 | count | 1 |
| TRIM50 | 17.820181 | 1421.940772 | 0.0125 | 0.99 | 3.55E-08 | count | 1 |
| AL590867.1 | 17.8201809 | 1421.940809 | 0.0125 | 0.99 | 3.55E-08 | count | 1 |
| LINC02376 | 18.0429284 | 1001.659618 | 0.018 | 0.986 | 3.55E-08 | count | 1 |
| AC011825.4 | 18.7859724 | 2647.3234 | 0.0071 | 0.994 | 3.55E-08 | count | 1 |
| ANK2 | 18.4303895 | 1764.694729 | 0.0104 | 0.992 | 3.57E-08 | count | 1 |
| ZC3H11A | 18.4297618 | 1350.589038 | 0.0136 | 0.989 | 3.57E-08 | count | 1 |
| AC025423.1 | 18.4294722 | 1180.810853 | 0.0156 | 0.988 | 3.57E-08 | count | 1 |
| AC127521.1 | 18.2756677 | 1734.994634 | 0.0105 | 0.992 | 3.57E-08 | count | 1 |
| AC013264.1 | 19.1237262 | 1539.851798 | 0.0124 | 0.99 | 3.58E-08 | count | 1 |
| AC079601.1 | 19.1237262 | 1539.851798 | 0.0124 | 0.99 | 3.58E-08 | count | 1 |
| AC013553.4 | 19.1237262 | 1539.851798 | 0.0124 | 0.99 | 3.58E-08 | count | 1 |
| RHEX | 18.8435991 | 1338.597618 | 0.0141 | 0.989 | 3.58E-08 | count | 1 |
| GPRC5B | 18.0912116 | 1454.470078 | 0.0124 | 0.99 | 3.58E-08 | count | 1 |
| TRPC6 | 18.6625951 | 1222.772234 | 0.0153 | 0.988 | 3.58E-08 | count | 1 |
| C17orf97 | 18.0909473 | 1182.990657 | 0.0153 | 0.988 | 3.58E-08 | count | 1 |
| MYLK-AS1 | 18.0909514 | 1182.992108 | 0.0153 | 0.988 | 3.58E-08 | count | 1 |
| ZCCHC12 | 18.8140271 | 1609.707141 | 0.0117 | 0.991 | 3.59E-08 | count | 1 |
| CCNA1 | 18.2547523 | 1308.636746 | 0.0139 | 0.989 | 3.59E-08 | count | 1 |
| AC012368.2 | 18.2547519 | 1308.640878 | 0.0139 | 0.989 | 3.59E-08 | count | 1 |
| AC092746.1 | 18.2539205 | 1174.505072 | 0.0155 | 0.988 | 3.60E-08 | count | 1 |
| CA8 | 0.9031511 | 0.550742 | 1.6399 | 0.101 | 3.61E-08 | count | 1 |
| CYP4F3 | 0.9214451 | 0.7388707 | 1.2471 | 0.212 | 3.71E-08 | count | 1 |
| LOXL1 | 1.0901897 | 0.563536 | 1.9346 | 0.0532 | 4.60E-08 | count | 1 |
| ABCA9 | 1.367888 | 0.5587916 | 2.4479 | 0.0144 | 6.22E-08 | count | 1 |
| AMY2B | 1.3836902 | 0.7057044 | 1.9607 | 0.05 | 6.29E-08 | count | 1 |
| ZNF585B | 1.4437825 | 0.8071989 | 1.7886 | 0.0738 | 6.67E-08 | count | 1 |
| AL121985.1 | 1.5454376 | 0.8876171 | 1.7411 | 0.0818 | 7.30E-08 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|----------|----------|-------------|-------|-------------|
| HOXA5 | 1.7865997 | 0.409011 | 4.3681 | 1.31E-05 | 8.89E-08 | count | 0.3102211 |
| RGPD2 | 1.8506953 | 0.8069838 | 2.2933 | 0.0219 | 9.36E-08 | count | 1 |
| CNTN4 | 17.8342277 | 2027.516223 | 0.0088 | 0.993 | 9.61E-08 | count | 1 |
| FOXL2NB | 17.8342277 | 2027.51618 | 0.0088 | 0.993 | 9.61E-08 | count | 1 |
| ARHGFE5 | 17.9987579 | 2201.362747 | 0.0082 | 0.993 | 9.63E-08 | count | 1 |
| CACNB4 | 18.5198799 | 810.2949949 | 0.0229 | 0.982 | 9.68E-08 | count | 1 |
| SGCB | 2.0449251 | 0.8808434 | 2.3216 | 0.0203 | 1.06E-07 | count | 1 |
| GCOM1 | 2.2385848 | 1.1821203 | 1.8937 | 0.0584 | 1.19E-07 | count | 1 |
| AL078639.1 | 2.3255962 | 1.4296555 | 1.6267 | 0.104 | 1.25E-07 | count | 1 |
| AC132192.1 | 2.4451378 | 0.8537101 | 2.8641 | 0.0042 | 1.33E-07 | count | 1 |
| KCNAB1 | 2.5387496 | 1.3754229 | 1.8458 | 0.065 | 1.39E-07 | count | 1 |
| IL12RB2 | 2.6491411 | 0.7773905 | 3.4077 | 7.00E-04 | 1.46E-07 | count | 1 |
| CXCL13 | 3.33674 | 0.6779655 | 4.9217 | 9.15E-07 | 6.01E-07 | count | 0.021798045 |
| PANX1 | 0.000118 | 0.351208 | 3.00E-04 | 1 | 0.000102462 | count | 1 |
| EMC7 | 8.47E-05 | 0.0957679 | 9.00E-04 | 0.999 | 0.000118365 | count | 1 |
| PSMB8-AS1 | 9.78E-05 | 0.1559696 | 6.00E-04 | 0.999 | 0.00013091 | count | 1 |
| ANAPC13 | 0.0001531 | 0.1439231 | 0.0011 | 0.999 | 0.000206499 | count | 1 |
| ZNF100 | 0.0001904 | 0.2323082 | 8.00E-04 | 0.999 | 0.000229953 | count | 1 |
| CYC1 | 0.0001713 | 0.0761019 | 0.0023 | 0.998 | 0.000242458 | count | 1 |
| TNFSF12 | 0.0002249 | 0.0789157 | 0.0028 | 0.998 | 0.000316745 | count | 1 |
| APH1B | 0.0002807 | 0.1408409 | 0.002 | 0.998 | 0.000380858 | count | 1 |
| CD93 | 0.0002964 | 0.1002478 | 0.003 | 0.998 | 0.000414558 | count | 1 |
| CRACR2A | 0.0009625 | 0.7053461 | 0.0014 | 0.999 | 0.000433358 | count | 1 |
| NIPA1 | 0.0009625 | 0.7053461 | 0.0014 | 0.999 | 0.000433358 | count | 1 |
| RMND1 | 0.0006346 | 0.3002257 | 0.0021 | 0.998 | 0.000659117 | count | 1 |
| AL160408.2 | 0.0027806 | 0.9677966 | 0.0029 | 0.998 | 0.000742089 | count | 1 |
| HARS | 0.0006144 | 0.2136912 | 0.0029 | 0.998 | 0.000757872 | count | 1 |
| JMJD8 | 0.0006724 | 0.2117414 | 0.0032 | 0.997 | 0.000824636 | count | 1 |
| TMCC3 | 0.0008418 | 0.2941972 | 0.0029 | 0.998 | 0.000842865 | count | 1 |
| MRPL32 | 0.0006634 | 0.1433376 | 0.0046 | 0.996 | 0.000884005 | count | 1 |
| BAZ1A | 0.0007011 | 0.0868441 | 0.0081 | 0.994 | 0.000980805 | count | 1 |
| GADD45A | 0.0008193 | 0.2274288 | 0.0036 | 0.997 | 0.001055132 | count | 1 |
| TTC27 | 0.0014422 | 0.4013179 | 0.0036 | 0.997 | 0.001105813 | count | 1 |
| AXIN1 | 0.0014422 | 0.419368 | 0.0034 | 0.997 | 0.001105813 | count | 1 |
| MCTS1 | 0.0008146 | 0.1129333 | 0.0072 | 0.994 | 0.001115488 | count | 1 |
| RPS29 | 0.0008588 | 0.0315157 | 0.0273 | 0.978 | 0.001234432 | count | 1 |
| MAPKAPK3 | 0.0009686 | 0.1248846 | 0.0078 | 0.994 | 0.001322941 | count | 1 |
| CISH | 0.0013994 | 0.2817125 | 0.005 | 0.996 | 0.001386625 | count | 1 |
| ABCA7 | 0.0015504 | 0.5109643 | 0.003 | 0.998 | 0.001442179 | count | 1 |
| WDCP | 0.0168136 | 1.094296 | 0.0154 | 0.988 | 0.001713855 | count | 1 |
| TMEM255A | 0.0168136 | 0.9553703 | 0.0176 | 0.986 | 0.001713855 | count | 1 |
| KITLG | 0.0168136 | 1.020771 | 0.0165 | 0.987 | 0.001713855 | count | 1 |
| ADGRD1 | 0.0168136 | 1.021003 | 0.0165 | 0.987 | 0.001713855 | count | 1 |
| CORO2A | 0.0024969 | 0.6071296 | 0.0041 | 0.997 | 0.001786116 | count | 1 |
| PDE4A | 0.0014835 | 0.2279283 | 0.0065 | 0.995 | 0.001846122 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|-------|-------------|-------|---|
| MCRS1 | 0.0016393 | 0.2062643 | 0.0079 | 0.994 | 0.002133751 | count | 1 |
| IFT22 | 0.0024163 | 0.4543452 | 0.0053 | 0.996 | 0.002213693 | count | 1 |
| GJC2 | 0.0049771 | 1.0217766 | 0.0049 | 0.996 | 0.002487376 | count | 1 |
| TAPT1-AS1 | 0.0049771 | 0.9074413 | 0.0055 | 0.996 | 0.002487376 | count | 1 |
| NFYC-AS1 | 0.0137794 | 0.5843113 | 0.0236 | 0.981 | 0.002621377 | count | 1 |
| CCT7 | 0.0019558 | 0.1021135 | 0.0192 | 0.985 | 0.00271571 | count | 1 |
| PTPN7 | 0.0022155 | 0.2153928 | 0.0103 | 0.992 | 0.002823083 | count | 1 |
| MIR34AHG | 0.0084473 | 0.6053633 | 0.014 | 0.989 | 0.002835567 | count | 1 |
| AC006059.1 | 0.0058 | 0.6471915 | 0.009 | 0.993 | 0.00289917 | count | 1 |
| AL031708.1 | 0.0058 | 0.7832307 | 0.0074 | 0.994 | 0.00289917 | count | 1 |
| LINC00910 | 0.0058 | 0.7418924 | 0.0078 | 0.994 | 0.00289917 | count | 1 |
| VPS36 | 0.0021342 | 0.1263009 | 0.0169 | 0.987 | 0.002940651 | count | 1 |
| OAS2 | 0.0023272 | 0.2103175 | 0.0111 | 0.991 | 0.002978806 | count | 1 |
| SNX5 | 0.0021483 | 0.087483 | 0.0246 | 0.98 | 0.003005841 | count | 1 |
| ST8SIA4 | 0.0021629 | 0.1172112 | 0.0185 | 0.985 | 0.003005886 | count | 1 |
| TTC39C | 0.0024879 | 0.2147661 | 0.0116 | 0.991 | 0.003025921 | count | 1 |
| CYB5D2 | 0.0026962 | 0.3128998 | 0.0086 | 0.993 | 0.003113354 | count | 1 |
| MED30 | 0.0023397 | 0.1610678 | 0.0145 | 0.988 | 0.003151492 | count | 1 |
| ERLIN2 | 0.002877 | 0.2705993 | 0.0106 | 0.992 | 0.003506884 | count | 1 |
| STX4 | 0.0026038 | 0.112609 | 0.0231 | 0.982 | 0.003636035 | count | 1 |
| ZBTB1 | 0.0027584 | 0.1290489 | 0.0214 | 0.983 | 0.003675871 | count | 1 |
| AC083880.1 | 0.0049771 | 0.6824694 | 0.0073 | 0.994 | 0.003694826 | count | 1 |
| LSM1 | 0.0027132 | 0.126927 | 0.0214 | 0.983 | 0.003706719 | count | 1 |
| PPFIA1 | 0.0027591 | 0.1318738 | 0.0209 | 0.983 | 0.003722911 | count | 1 |
| DDRKG1 | 0.002737 | 0.1087845 | 0.0252 | 0.98 | 0.003778218 | count | 1 |
| CMTM3 | 0.0028037 | 0.086193 | 0.0325 | 0.974 | 0.003941918 | count | 1 |
| MS4A1 | 0.01224 | 1.1184248 | 0.0109 | 0.991 | 0.004112816 | count | 1 |
| CIRBP-AS1 | 0.01224 | 1.118357 | 0.0109 | 0.991 | 0.004112816 | count | 1 |
| HIST3H2A | 0.0045238 | 0.3207518 | 0.0141 | 0.989 | 0.004145579 | count | 1 |
| WDR20 | 0.00362 | 0.2522313 | 0.0144 | 0.989 | 0.004164369 | count | 1 |
| LRRC34 | 0.0247206 | 0.9450064 | 0.0262 | 0.979 | 0.004718227 | count | 1 |
| SLC39A14 | 0.0247206 | 0.902012 | 0.0274 | 0.978 | 0.004718227 | count | 1 |
| PIH1D1 | 0.0034774 | 0.1372965 | 0.0253 | 0.98 | 0.00475082 | count | 1 |
| HAX1 | 0.0034628 | 0.1001777 | 0.0346 | 0.972 | 0.004833651 | count | 1 |
| TSPAN17 | 0.0051935 | 0.2882488 | 0.018 | 0.986 | 0.005031581 | count | 1 |
| GMPPA | 0.0040765 | 0.2138661 | 0.0191 | 0.985 | 0.005113465 | count | 1 |
| TMED8 | 0.0047145 | 0.3089099 | 0.0153 | 0.988 | 0.005144307 | count | 1 |
| LAT2 | 0.0037585 | 0.09376 | 0.0401 | 0.968 | 0.005175499 | count | 1 |
| TAF10 | 0.0037652 | 0.0584871 | 0.0644 | 0.949 | 0.005365407 | count | 1 |
| GPAT3 | 0.0042095 | 0.1638102 | 0.0257 | 0.98 | 0.005612494 | count | 1 |
| ACYP2 | 0.0046086 | 0.186295 | 0.0247 | 0.98 | 0.005745351 | count | 1 |
| CLPTM1L | 0.0043256 | 0.1442609 | 0.03 | 0.976 | 0.005756186 | count | 1 |
| LRP10 | 0.0042387 | 0.1396112 | 0.0304 | 0.976 | 0.005765751 | count | 1 |
| PEAK3 | 0.0220747 | 0.465619 | 0.0474 | 0.962 | 0.005923328 | count | 1 |
| AC092279.1 | 0.0149408 | 0.7323174 | 0.0204 | 0.984 | 0.005934111 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|-------|-------------|-------|---|
| SERAC1 | 0.0067046 | 0.3943952 | 0.017 | 0.986 | 0.005939476 | count | 1 |
| HPS3 | 0.0044693 | 0.1619809 | 0.0276 | 0.978 | 0.005953246 | count | 1 |
| APBA3 | 0.0064196 | 0.6296286 | 0.0102 | 0.992 | 0.006061096 | count | 1 |
| FUCA2 | 0.0045844 | 0.0960104 | 0.0477 | 0.962 | 0.006359343 | count | 1 |
| MTCH1 | 0.0045783 | 0.0871845 | 0.0525 | 0.958 | 0.006431364 | count | 1 |
| ATAT1 | 0.0073589 | 0.4593389 | 0.016 | 0.987 | 0.006636078 | count | 1 |
| ARHGEF37 | 0.0107836 | 0.5196903 | 0.0208 | 0.983 | 0.006711336 | count | 1 |
| FBXO7 | 0.0049274 | 0.1481976 | 0.0332 | 0.973 | 0.006756046 | count | 1 |
| IQGAP3 | 0.0654732 | 0.8110503 | 0.0807 | 0.936 | 0.00677821 | count | 1 |
| MAPK1 | 0.0049706 | 0.1132664 | 0.0439 | 0.965 | 0.006836639 | count | 1 |
| NRSN2 | 0.0661193 | 0.8199917 | 0.0806 | 0.936 | 0.006846501 | count | 1 |
| SMG1 | 0.0051525 | 0.1488138 | 0.0346 | 0.972 | 0.006943141 | count | 1 |
| SLC27A4 | 0.0206574 | 0.5489226 | 0.0376 | 0.97 | 0.00695663 | count | 1 |
| HNRNPLL | 0.0058514 | 0.2348014 | 0.0249 | 0.98 | 0.006979127 | count | 1 |
| UFD1 | 0.0050347 | 0.1206853 | 0.0417 | 0.967 | 0.007044623 | count | 1 |
| APLF | 0.0122027 | 0.72636 | 0.0168 | 0.987 | 0.00714531 | count | 1 |
| ZKSCAN1 | 0.0056571 | 0.2836824 | 0.0199 | 0.984 | 0.007201029 | count | 1 |
| JADE2 | 0.0102524 | 0.3622848 | 0.0283 | 0.977 | 0.007343779 | count | 1 |
| CDC42SE1 | 0.005357 | 0.0869355 | 0.0616 | 0.951 | 0.00750578 | count | 1 |
| PAPSS2 | 0.0059325 | 0.2031823 | 0.0292 | 0.977 | 0.007602796 | count | 1 |
| POLRMT | 0.0116033 | 0.3613818 | 0.0321 | 0.974 | 0.007616299 | count | 1 |
| NHSL1 | 0.0098998 | 0.5249886 | 0.0189 | 0.985 | 0.007830024 | count | 1 |
| SMARCA5 | 0.0056935 | 0.0927203 | 0.0614 | 0.951 | 0.007940242 | count | 1 |
| TSPOAP1 | 0.0146748 | 0.6141614 | 0.0239 | 0.981 | 0.008003051 | count | 1 |
| SCRIB | 0.0087658 | 0.3985926 | 0.022 | 0.982 | 0.008037203 | count | 1 |
| AC036176.1 | 0.0129141 | 0.6874596 | 0.0188 | 0.985 | 0.008040638 | count | 1 |
| BNIP2 | 0.005749 | 0.0832395 | 0.0691 | 0.945 | 0.008075554 | count | 1 |
| MIR22HG | 0.0057959 | 0.10012 | 0.0579 | 0.954 | 0.008140997 | count | 1 |
| GPR137 | 0.0071106 | 0.3432646 | 0.0207 | 0.983 | 0.008149527 | count | 1 |
| LETM1 | 0.0069256 | 0.2369544 | 0.0292 | 0.977 | 0.008367454 | count | 1 |
| NOP58 | 0.0062277 | 0.141642 | 0.044 | 0.965 | 0.008428335 | count | 1 |
| TM2D2 | 0.0061477 | 0.130083 | 0.0473 | 0.962 | 0.008449877 | count | 1 |
| AACS | 0.0168869 | 0.4905659 | 0.0344 | 0.973 | 0.008462121 | count | 1 |
| SLC25A53 | 0.0093597 | 0.3788929 | 0.0247 | 0.98 | 0.008582379 | count | 1 |
| TBC1D9 | 0.0067171 | 0.1663905 | 0.0404 | 0.968 | 0.008660839 | count | 1 |
| ZNF775 | 0.0847634 | 0.6028954 | 0.1406 | 0.888 | 0.008829004 | count | 1 |
| TNKS2 | 0.0066949 | 0.1642176 | 0.0408 | 0.967 | 0.00887751 | count | 1 |
| PFDN1 | 0.0063408 | 0.0969256 | 0.0654 | 0.948 | 0.008881964 | count | 1 |
| THOC7 | 0.0066152 | 0.0854186 | 0.0774 | 0.938 | 0.009297285 | count | 1 |
| PGP | 0.0066497 | 0.0834005 | 0.0797 | 0.936 | 0.009363752 | count | 1 |
| ISCU | 0.0066371 | 0.0747187 | 0.0888 | 0.929 | 0.009395829 | count | 1 |
| H2AFZ | 0.006659 | 0.0515361 | 0.1292 | 0.897 | 0.009555321 | count | 1 |
| NRF1 | 0.0146328 | 0.5267317 | 0.0278 | 0.978 | 0.009610294 | count | 1 |
| ALDH6A1 | 0.0087681 | 0.3329102 | 0.0263 | 0.979 | 0.009626505 | count | 1 |
| SEL1L | 0.0069536 | 0.1380713 | 0.0504 | 0.96 | 0.009636921 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|-------|-------------|-------|---|
| BTBD19 | 0.0089995 | 0.4524977 | 0.0199 | 0.984 | 0.009638291 | count | 1 |
| TIMM10 | 0.0071319 | 0.1266841 | 0.0563 | 0.955 | 0.00971908 | count | 1 |
| ORC2 | 0.0111852 | 0.4835314 | 0.0231 | 0.982 | 0.009727122 | count | 1 |
| SORBS3 | 0.0089688 | 0.2549054 | 0.0352 | 0.972 | 0.009730744 | count | 1 |
| ZNF33B | 0.0116978 | 0.3148555 | 0.0372 | 0.97 | 0.009965303 | count | 1 |
| PQLC2 | 0.0104551 | 0.4278616 | 0.0244 | 0.981 | 0.010135168 | count | 1 |
| TAX1BP3 | 0.0079851 | 0.2304755 | 0.0346 | 0.972 | 0.010177311 | count | 1 |
| SRRT | 0.0077834 | 0.1675872 | 0.0464 | 0.963 | 0.010242604 | count | 1 |
| CREBZF | 0.0082352 | 0.208836 | 0.0394 | 0.969 | 0.01025146 | count | 1 |
| AC107375.1 | 0.0380749 | 0.844895 | 0.0451 | 0.964 | 0.010262454 | count | 1 |
| RRAGC | 0.0077031 | 0.1657563 | 0.0465 | 0.963 | 0.010299451 | count | 1 |
| PWWP2B | 0.0086879 | 0.2759389 | 0.0315 | 0.975 | 0.010497685 | count | 1 |
| SMPD4 | 0.0106061 | 0.3838811 | 0.0276 | 0.978 | 0.010837217 | count | 1 |
| CEP89 | 0.0115146 | 0.4150517 | 0.0277 | 0.978 | 0.010878154 | count | 1 |
| SLC37A1 | 0.0120985 | 0.3619101 | 0.0334 | 0.973 | 0.01091681 | count | 1 |
| POLR2A | 0.0085519 | 0.1990666 | 0.043 | 0.966 | 0.010983706 | count | 1 |
| DHX58 | 0.0097698 | 0.3241696 | 0.0301 | 0.976 | 0.011006931 | count | 1 |
| SMYD4 | 0.0120492 | 0.2952765 | 0.0408 | 0.967 | 0.011052243 | count | 1 |
| PRPF38A | 0.0084656 | 0.1818902 | 0.0465 | 0.963 | 0.011080226 | count | 1 |
| RFFL | 0.0117284 | 0.3372463 | 0.0348 | 0.972 | 0.011371138 | count | 1 |
| FKBP15 | 0.0084472 | 0.1302996 | 0.0648 | 0.948 | 0.01156409 | count | 1 |
| AL359915.2 | 0.0430924 | 0.734965 | 0.0586 | 0.953 | 0.011631079 | count | 1 |
| NAIF1 | 0.029688 | 0.491057 | 0.0605 | 0.952 | 0.01183469 | count | 1 |
| MEX3B | 0.023582 | 0.4529099 | 0.0521 | 0.958 | 0.011834825 | count | 1 |
| E2F3 | 0.0098111 | 0.2174663 | 0.0451 | 0.964 | 0.011855605 | count | 1 |
| RAPGEF2 | 0.0100084 | 0.2530501 | 0.0396 | 0.968 | 0.011872888 | count | 1 |
| TMEM14C | 0.0084567 | 0.0666871 | 0.1268 | 0.899 | 0.012072218 | count | 1 |
| FBXO33 | 0.0097395 | 0.2283184 | 0.0427 | 0.966 | 0.012104689 | count | 1 |
| ARL6IP6 | 0.0093481 | 0.1720509 | 0.0543 | 0.957 | 0.01215111 | count | 1 |
| RGS5 | 0.0135198 | 0.751709 | 0.018 | 0.986 | 0.012201521 | count | 1 |
| H3F3B | 0.0085027 | 0.0304477 | 0.2793 | 0.78 | 0.012255952 | count | 1 |
| PDE6D | 0.0098741 | 0.2247066 | 0.0439 | 0.965 | 0.012272055 | count | 1 |
| TCEAL1 | 0.0102111 | 0.2139787 | 0.0477 | 0.962 | 0.012339235 | count | 1 |
| CHCHD7 | 0.0090079 | 0.1235952 | 0.0729 | 0.942 | 0.012390406 | count | 1 |
| FBXO30 | 0.0113419 | 0.3528534 | 0.0321 | 0.974 | 0.012719067 | count | 1 |
| ETFA | 0.0091735 | 0.0989765 | 0.0927 | 0.926 | 0.012775474 | count | 1 |
| YWHAZ | 0.0089216 | 0.0492709 | 0.1811 | 0.856 | 0.01278356 | count | 1 |
| RWDD1 | 0.0090407 | 0.0745099 | 0.1213 | 0.903 | 0.01281787 | count | 1 |
| CYTH4 | 0.0094261 | 0.1443949 | 0.0653 | 0.948 | 0.013028211 | count | 1 |
| RAB22A | 0.009781 | 0.1662847 | 0.0588 | 0.953 | 0.013089733 | count | 1 |
| ATF6 | 0.0097041 | 0.117943 | 0.0823 | 0.934 | 0.013095969 | count | 1 |
| SORT1 | 0.0103547 | 0.187249 | 0.0553 | 0.956 | 0.013258102 | count | 1 |
| TCTEX1D2 | 0.0174477 | 0.5649289 | 0.0309 | 0.975 | 0.013412661 | count | 1 |
| PTPRJ | 0.0100435 | 0.1522798 | 0.066 | 0.947 | 0.013576464 | count | 1 |
| TFAP2E | 0.0716501 | 0.9205733 | 0.0778 | 0.938 | 0.013867062 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|-------|-------------|-------|---|
| IFT172 | 0.0716501 | 1.0246684 | 0.0699 | 0.944 | 0.013867062 | count | 1 |
| AGAP1 | 0.0716501 | 0.9205733 | 0.0778 | 0.938 | 0.013867062 | count | 1 |
| AC107464.3 | 0.0716501 | 0.9205733 | 0.0778 | 0.938 | 0.013867062 | count | 1 |
| AC120053.1 | 0.0716501 | 0.9145319 | 0.0783 | 0.938 | 0.013867062 | count | 1 |
| VSTM4 | 0.0716501 | 0.9205733 | 0.0778 | 0.938 | 0.013867062 | count | 1 |
| CCDC9B | 0.0716501 | 1.0246684 | 0.0699 | 0.944 | 0.013867062 | count | 1 |
| AC048382.6 | 0.0716501 | 0.9205733 | 0.0778 | 0.938 | 0.013867062 | count | 1 |
| AC011481.2 | 0.0716501 | 1.1771429 | 0.0609 | 0.951 | 0.013867062 | count | 1 |
| RFT1 | 0.0133748 | 0.3042158 | 0.044 | 0.965 | 0.014020416 | count | 1 |
| CCAR2 | 0.0141369 | 0.2884874 | 0.049 | 0.961 | 0.014027086 | count | 1 |
| COA6 | 0.0100931 | 0.1077825 | 0.0936 | 0.925 | 0.01402827 | count | 1 |
| TNFRSF10D | 0.0178929 | 0.3573642 | 0.0501 | 0.96 | 0.014169557 | count | 1 |
| SORL1 | 0.0104265 | 0.1504596 | 0.0693 | 0.945 | 0.01425905 | count | 1 |
| C1orf53 | 0.0207958 | 0.4956829 | 0.042 | 0.967 | 0.014323291 | count | 1 |
| CMTM6 | 0.0101655 | 0.0618382 | 0.1644 | 0.869 | 0.014436136 | count | 1 |
| TAB3 | 0.013402 | 0.3548434 | 0.0378 | 0.97 | 0.014634467 | count | 1 |
| CDIPT | 0.0110031 | 0.1659287 | 0.0663 | 0.947 | 0.014651898 | count | 1 |
| TNFRSF10A | 0.0138933 | 0.343631 | 0.0404 | 0.968 | 0.014676093 | count | 1 |
| ATP6V1C1 | 0.0109011 | 0.14855 | 0.0734 | 0.942 | 0.014745397 | count | 1 |
| PIN1 | 0.0106196 | 0.1011138 | 0.105 | 0.916 | 0.014849189 | count | 1 |
| CC2D1B | 0.0167461 | 0.4652864 | 0.036 | 0.971 | 0.01485482 | count | 1 |
| AL133342.1 | 0.012633 | 0.2371588 | 0.0533 | 0.958 | 0.015502759 | count | 1 |
| DIP2A | 0.0124503 | 0.2863145 | 0.0435 | 0.965 | 0.01571218 | count | 1 |
| POU3F1 | 0.1488244 | 0.5685668 | 0.2618 | 0.794 | 0.015816156 | count | 1 |
| IFI30 | 0.0110795 | 0.0915191 | 0.1211 | 0.904 | 0.015860649 | count | 1 |
| SLC11A2 | 0.0125213 | 0.2210412 | 0.0566 | 0.955 | 0.016132474 | count | 1 |
| SLC2A13 | 0.0164717 | 0.3956107 | 0.0416 | 0.967 | 0.016167649 | count | 1 |
| STARD3 | 0.0126166 | 0.1841317 | 0.0685 | 0.945 | 0.016345734 | count | 1 |
| SLC39A3 | 0.0124261 | 0.1623827 | 0.0765 | 0.939 | 0.01660901 | count | 1 |
| MYH11 | 0.0241758 | 0.4716737 | 0.0513 | 0.959 | 0.016661383 | count | 1 |
| TARBP1 | 0.0167971 | 0.4505415 | 0.0373 | 0.97 | 0.016671374 | count | 1 |
| RILP | 0.0124879 | 0.1485792 | 0.084 | 0.933 | 0.016938301 | count | 1 |
| CENPS | 0.0423637 | 0.7164213 | 0.0591 | 0.953 | 0.016940767 | count | 1 |
| CBLN3 | 0.0423637 | 0.8029478 | 0.0528 | 0.958 | 0.016940767 | count | 1 |
| SNRK-AS1 | 0.1593638 | 0.9958372 | 0.16 | 0.873 | 0.016991781 | count | 1 |
| SOX5 | 0.1593638 | 1.1113606 | 0.1434 | 0.886 | 0.016991781 | count | 1 |
| ZNF20 | 0.1593638 | 1.0504143 | 0.1517 | 0.879 | 0.016991781 | count | 1 |
| BLCAP | 0.0143224 | 0.2060568 | 0.0695 | 0.945 | 0.017043823 | count | 1 |
| UBE2R2 | 0.0122346 | 0.071641 | 0.1708 | 0.864 | 0.017325193 | count | 1 |
| UBE2E1 | 0.0128472 | 0.1340951 | 0.0958 | 0.924 | 0.017425776 | count | 1 |
| PRKDC | 0.0126507 | 0.1053938 | 0.12 | 0.904 | 0.017444817 | count | 1 |
| P3H1 | 0.0157856 | 0.3300832 | 0.0478 | 0.962 | 0.017708347 | count | 1 |
| MCAT | 0.0147022 | 0.316268 | 0.0465 | 0.963 | 0.017727878 | count | 1 |
| ZNF136 | 0.0224913 | 0.388537 | 0.0579 | 0.954 | 0.017823745 | count | 1 |
| AC007448.3 | 0.0201119 | 0.4805198 | 0.0419 | 0.967 | 0.017848424 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|-------|-------------|-------|---|
| AC010280.2 | 0.1674885 | 0.9433476 | 0.1775 | 0.859 | 0.017903098 | count | 1 |
| TMCO1 | 0.0127639 | 0.0849166 | 0.1503 | 0.881 | 0.018017548 | count | 1 |
| PLRG1 | 0.0140634 | 0.2240605 | 0.0628 | 0.95 | 0.018028574 | count | 1 |
| SLC19A2 | 0.016426 | 0.342103 | 0.048 | 0.962 | 0.018045454 | count | 1 |
| COA4 | 0.0129945 | 0.110336 | 0.1178 | 0.906 | 0.018181 | count | 1 |
| GRAMD2B | 0.0673354 | 0.5435545 | 0.1239 | 0.901 | 0.018297083 | count | 1 |
| MYZAP | 0.0673354 | 0.5888245 | 0.1144 | 0.909 | 0.018297083 | count | 1 |
| GRPEL1 | 0.0131589 | 0.0959573 | 0.1371 | 0.891 | 0.018348356 | count | 1 |
| CAHM | 0.0189984 | 0.4065832 | 0.0467 | 0.963 | 0.018434758 | count | 1 |
| MEGF6 | 0.0682723 | 0.6172925 | 0.1106 | 0.912 | 0.018556467 | count | 1 |
| KLF8 | 0.1733584 | 0.799501 | 0.2168 | 0.828 | 0.018564235 | count | 1 |
| VMP1 | 0.0131147 | 0.0727393 | 0.1803 | 0.857 | 0.018691933 | count | 1 |
| EIF4G1 | 0.0138209 | 0.1326521 | 0.1042 | 0.917 | 0.018846168 | count | 1 |
| DCLRE1B | 0.0216872 | 0.4050625 | 0.0535 | 0.957 | 0.018887108 | count | 1 |
| SAR1A | 0.0134905 | 0.0970506 | 0.139 | 0.889 | 0.018923295 | count | 1 |
| ACP1 | 0.013606 | 0.1014869 | 0.1341 | 0.893 | 0.018996036 | count | 1 |
| DCPS | 0.0145471 | 0.1780954 | 0.0817 | 0.935 | 0.019096884 | count | 1 |
| TNRC6C | 0.038085 | 0.4750346 | 0.0802 | 0.936 | 0.019175241 | count | 1 |
| AKIRIN1 | 0.0138815 | 0.1081391 | 0.1284 | 0.898 | 0.019176614 | count | 1 |
| LINC00482 | 0.0328567 | 0.8409777 | 0.0391 | 0.969 | 0.019320366 | count | 1 |
| WIPF1 | 0.0138344 | 0.0950693 | 0.1455 | 0.884 | 0.019347894 | count | 1 |
| ZFP1 | 0.0353946 | 0.4572039 | 0.0774 | 0.938 | 0.019388206 | count | 1 |
| TPRKB | 0.014233 | 0.1325742 | 0.1074 | 0.915 | 0.019514382 | count | 1 |
| JAK1 | 0.0138038 | 0.0622146 | 0.2219 | 0.824 | 0.019635764 | count | 1 |
| WDTC1 | 0.0205877 | 0.3430282 | 0.06 | 0.952 | 0.019732076 | count | 1 |
| FAM72A | 0.0210862 | 0.3058149 | 0.069 | 0.945 | 0.019943282 | count | 1 |
| RAPGEF1 | 0.0148075 | 0.1554647 | 0.0952 | 0.924 | 0.020130291 | count | 1 |
| PCDHGC3 | 0.0741486 | 1.2090624 | 0.0613 | 0.951 | 0.020186347 | count | 1 |
| AC008393.1 | 0.0741486 | 1.0916312 | 0.0679 | 0.946 | 0.020186347 | count | 1 |
| ANLN | 0.0741486 | 0.9355963 | 0.0793 | 0.937 | 0.020186347 | count | 1 |
| CYP3A5 | 0.0741486 | 1.0920987 | 0.0679 | 0.946 | 0.020186347 | count | 1 |
| FAM111A-DT | 0.0741486 | 0.9344635 | 0.0793 | 0.937 | 0.020186347 | count | 1 |
| CR381653.1 | 0.0741486 | 0.9350096 | 0.0793 | 0.937 | 0.020186347 | count | 1 |
| SLX4IP | 0.0256783 | 0.3992853 | 0.0643 | 0.949 | 0.020359365 | count | 1 |
| NREP | 0.0172472 | 0.2908904 | 0.0593 | 0.953 | 0.02040892 | count | 1 |
| VPS33B | 0.0373662 | 0.5958285 | 0.0627 | 0.95 | 0.020476751 | count | 1 |
| MED16 | 0.0177849 | 0.2486472 | 0.0715 | 0.943 | 0.020633765 | count | 1 |
| RASSF8 | 0.0206229 | 0.3288346 | 0.0627 | 0.95 | 0.020691939 | count | 1 |
| AC108471.2 | 0.1060709 | 0.8189803 | 0.1295 | 0.897 | 0.020737256 | count | 1 |
| ZNF564 | 0.1060709 | 0.8189803 | 0.1295 | 0.897 | 0.020737256 | count | 1 |
| SYCE3 | 0.1060709 | 0.8111691 | 0.1308 | 0.896 | 0.020737256 | count | 1 |
| PPP4R3B | 0.0157067 | 0.1631499 | 0.0963 | 0.923 | 0.020774688 | count | 1 |
| IPO8 | 0.0186298 | 0.2693785 | 0.0692 | 0.945 | 0.020800776 | count | 1 |
| FARSA | 0.0163721 | 0.1754983 | 0.0933 | 0.926 | 0.020990062 | count | 1 |
| CDC4A | 0.0186037 | 0.3411475 | 0.0545 | 0.957 | 0.021069301 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|-------|-------------|-------|---|
| MFAP1 | 0.016091 | 0.1615104 | 0.0996 | 0.921 | 0.021258487 | count | 1 |
| COX17 | 0.0150021 | 0.0760903 | 0.1972 | 0.844 | 0.021261677 | count | 1 |
| CCDC112 | 0.0155424 | 0.1271067 | 0.1223 | 0.903 | 0.021275512 | count | 1 |
| NADK2 | 0.0216863 | 0.3913692 | 0.0554 | 0.956 | 0.021298149 | count | 1 |
| ERH | 0.0150287 | 0.0740709 | 0.2029 | 0.839 | 0.021366561 | count | 1 |
| RPS18 | 0.0148376 | 0.0261541 | 0.5673 | 0.571 | 0.021382925 | count | 1 |
| DSC2 | 0.0156303 | 0.1188581 | 0.1315 | 0.895 | 0.02143906 | count | 1 |
| USP34 | 0.0157801 | 0.1501694 | 0.1051 | 0.916 | 0.021558735 | count | 1 |
| PTPN11 | 0.016073 | 0.157586 | 0.102 | 0.919 | 0.021625129 | count | 1 |
| CTNND1 | 0.0164736 | 0.2506159 | 0.0657 | 0.948 | 0.021684191 | count | 1 |
| CHD4 | 0.0157191 | 0.1343882 | 0.117 | 0.907 | 0.021699985 | count | 1 |
| BAD | 0.0161404 | 0.1434239 | 0.1125 | 0.91 | 0.021707759 | count | 1 |
| THUMPD1 | 0.0160672 | 0.125909 | 0.1276 | 0.898 | 0.021762588 | count | 1 |
| MRPL43 | 0.015589 | 0.0939046 | 0.166 | 0.868 | 0.021849803 | count | 1 |
| CLEC11A | 0.0158696 | 0.1383647 | 0.1147 | 0.909 | 0.021911021 | count | 1 |
| ZNF830 | 0.0207332 | 0.3147334 | 0.0659 | 0.947 | 0.021915122 | count | 1 |
| ZSCAN18 | 0.0335694 | 0.4187251 | 0.0802 | 0.936 | 0.022125157 | count | 1 |
| ZNF134 | 0.0321813 | 0.4424887 | 0.0727 | 0.942 | 0.022210316 | count | 1 |
| ADORA3 | 0.0273335 | 0.3293124 | 0.083 | 0.934 | 0.02226703 | count | 1 |
| RAD1 | 0.0184505 | 0.2707972 | 0.0681 | 0.946 | 0.022358563 | count | 1 |
| COPS3 | 0.0165052 | 0.1279951 | 0.129 | 0.897 | 0.022528982 | count | 1 |
| SLC41A2 | 0.0239355 | 0.4139449 | 0.0578 | 0.954 | 0.022645747 | count | 1 |
| GPX7 | 0.030423 | 0.5476332 | 0.0556 | 0.956 | 0.022680768 | count | 1 |
| AL353719.1 | 0.030423 | 0.7657124 | 0.0397 | 0.968 | 0.022680768 | count | 1 |
| CYB561A3 | 0.0177721 | 0.1752322 | 0.1014 | 0.919 | 0.022945774 | count | 1 |
| PTPN9 | 0.0214117 | 0.4115456 | 0.052 | 0.959 | 0.02295666 | count | 1 |
| SURF2 | 0.0175414 | 0.2285203 | 0.0768 | 0.939 | 0.02296574 | count | 1 |
| TMEM80 | 0.0182442 | 0.2130176 | 0.0856 | 0.932 | 0.02323518 | count | 1 |
| ETFRF1 | 0.0173531 | 0.1636287 | 0.1061 | 0.916 | 0.023237567 | count | 1 |
| RUVBL1 | 0.0185299 | 0.2284673 | 0.0811 | 0.935 | 0.023453074 | count | 1 |
| SGSH | 0.0195963 | 0.3935018 | 0.0498 | 0.96 | 0.02345539 | count | 1 |
| BACH1-IT2 | 0.2161909 | 0.792011 | 0.273 | 0.785 | 0.023457972 | count | 1 |
| SMIM7 | 0.016898 | 0.1053542 | 0.1604 | 0.873 | 0.023648483 | count | 1 |
| ANAPC2 | 0.0402195 | 0.5559121 | 0.0723 | 0.942 | 0.023685073 | count | 1 |
| TOP2B | 0.0185237 | 0.1860794 | 0.0995 | 0.921 | 0.023750496 | count | 1 |
| RPL36 | 0.0166527 | 0.0325595 | 0.5115 | 0.609 | 0.023939426 | count | 1 |
| ELOVL1 | 0.0177696 | 0.1362378 | 0.1304 | 0.896 | 0.024076549 | count | 1 |
| BRD7 | 0.0174792 | 0.1079397 | 0.1619 | 0.871 | 0.024218744 | count | 1 |
| WNT2B | 0.1236455 | 0.7938892 | 0.1557 | 0.876 | 0.024297244 | count | 1 |
| AC025682.1 | 0.1236455 | 0.7027443 | 0.1759 | 0.86 | 0.024297244 | count | 1 |
| RAB35 | 0.0193479 | 0.1850707 | 0.1045 | 0.917 | 0.024321645 | count | 1 |
| MMACHC | 0.0716501 | 0.6480358 | 0.1106 | 0.912 | 0.02445283 | count | 1 |
| GRB10 | 0.0716501 | 0.6501708 | 0.1102 | 0.912 | 0.02445283 | count | 1 |
| NFKB1 | 0.0178976 | 0.138538 | 0.1292 | 0.897 | 0.024490134 | count | 1 |
| CNOT11 | 0.0209525 | 0.2363494 | 0.0887 | 0.929 | 0.024646482 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|-------|-------------|-------|---|
| NUP43 | 0.0262753 | 0.356279 | 0.0737 | 0.941 | 0.02486631 | count | 1 |
| CSNK2B | 0.0174515 | 0.0588678 | 0.2965 | 0.767 | 0.024869235 | count | 1 |
| MMAB | 0.0210399 | 0.3605596 | 0.0584 | 0.953 | 0.024902698 | count | 1 |
| LRP11 | 0.2298273 | 0.8674098 | 0.265 | 0.791 | 0.025041612 | count | 1 |
| CNPY4 | 0.0324975 | 0.4370386 | 0.0744 | 0.941 | 0.025042095 | count | 1 |
| AC010618.3 | 0.0324975 | 0.5747553 | 0.0565 | 0.955 | 0.025042095 | count | 1 |
| SMC4 | 0.0198196 | 0.191951 | 0.1033 | 0.918 | 0.025119218 | count | 1 |
| LRFN1 | 0.0921138 | 0.6002377 | 0.1535 | 0.878 | 0.025201337 | count | 1 |
| IGFBP5 | 0.0744784 | 0.4660103 | 0.1598 | 0.873 | 0.025436703 | count | 1 |
| CLDN15 | 0.0463537 | 0.5083738 | 0.0912 | 0.927 | 0.025450229 | count | 1 |
| DCHS1 | 0.0463537 | 0.475745 | 0.0974 | 0.922 | 0.025450229 | count | 1 |
| UPF1 | 0.0233142 | 0.252105 | 0.0925 | 0.926 | 0.025627164 | count | 1 |
| GLT8D1 | 0.0217806 | 0.276499 | 0.0788 | 0.937 | 0.025702337 | count | 1 |
| RFK | 0.0197191 | 0.1836883 | 0.1074 | 0.915 | 0.02570272 | count | 1 |
| C1orf174 | 0.0200265 | 0.1772376 | 0.113 | 0.91 | 0.025809281 | count | 1 |
| GNAI2 | 0.0180724 | 0.0341209 | 0.5297 | 0.596 | 0.025922551 | count | 1 |
| TXNDC12 | 0.0185673 | 0.0950506 | 0.1953 | 0.845 | 0.025992324 | count | 1 |
| C10orf25 | 0.0761402 | 0.889873 | 0.0856 | 0.932 | 0.026015436 | count | 1 |
| MCM3 | 0.0268699 | 0.3344374 | 0.0803 | 0.936 | 0.026095706 | count | 1 |
| WDR92 | 0.0397294 | 0.4549312 | 0.0873 | 0.93 | 0.026215031 | count | 1 |
| SLC23A2 | 0.0262409 | 0.4168861 | 0.0629 | 0.95 | 0.026344144 | count | 1 |
| LSM5 | 0.0188147 | 0.0970018 | 0.194 | 0.846 | 0.026498839 | count | 1 |
| SAP30BP | 0.0196245 | 0.1509357 | 0.13 | 0.897 | 0.02650733 | count | 1 |
| PRDX5 | 0.018586 | 0.0580708 | 0.3201 | 0.749 | 0.02652217 | count | 1 |
| GPR157 | 0.0322297 | 0.4613333 | 0.0699 | 0.944 | 0.02692536 | count | 1 |
| ZMAT2 | 0.0196842 | 0.1194692 | 0.1648 | 0.869 | 0.027056619 | count | 1 |
| TMED1 | 0.0203182 | 0.2093603 | 0.097 | 0.923 | 0.027126547 | count | 1 |
| PLAGL2 | 0.0251403 | 0.2925664 | 0.0859 | 0.932 | 0.02731354 | count | 1 |
| GPFR1 | 0.2494877 | 0.6337559 | 0.3937 | 0.694 | 0.027346639 | count | 1 |
| SHCBP1 | 0.0367166 | 0.5476003 | 0.0671 | 0.947 | 0.027401148 | count | 1 |
| RASA2 | 0.021606 | 0.1801652 | 0.1199 | 0.905 | 0.02748751 | count | 1 |
| FAM192A | 0.0206288 | 0.1387435 | 0.1487 | 0.882 | 0.027528769 | count | 1 |
| GSTA4 | 0.2514173 | 0.676166 | 0.3718 | 0.71 | 0.027574255 | count | 1 |
| TRAPPC6A | 0.0203673 | 0.1329788 | 0.1532 | 0.878 | 0.02762219 | count | 1 |
| TMEM109 | 0.0201561 | 0.1100428 | 0.1832 | 0.855 | 0.027632667 | count | 1 |
| TRAPPC9 | 0.0296891 | 0.3739164 | 0.0794 | 0.937 | 0.0277114 | count | 1 |
| EIF3I | 0.0197081 | 0.0723649 | 0.2723 | 0.785 | 0.027888245 | count | 1 |
| TBC1D20 | 0.0226382 | 0.2866565 | 0.079 | 0.937 | 0.02790294 | count | 1 |
| SPPL3 | 0.0223688 | 0.2178905 | 0.1027 | 0.918 | 0.027953755 | count | 1 |
| PPIL4 | 0.0203196 | 0.1120442 | 0.1814 | 0.856 | 0.027973686 | count | 1 |
| EIF3A | 0.0198018 | 0.0763303 | 0.2594 | 0.795 | 0.028029487 | count | 1 |
| VAMP4 | 0.0223772 | 0.2611453 | 0.0857 | 0.932 | 0.02813343 | count | 1 |
| GRINA | 0.0201456 | 0.0973095 | 0.207 | 0.836 | 0.028152891 | count | 1 |
| SLC7A6OS | 0.0259628 | 0.2626656 | 0.0988 | 0.921 | 0.028209096 | count | 1 |
| NDUFA10 | 0.0204123 | 0.0988262 | 0.2065 | 0.836 | 0.028324514 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|-------|-------------|-------|---|
| MTMR8 | 0.2586483 | 1.0014526 | 0.2583 | 0.796 | 0.028429435 | count | 1 |
| AC091563.1 | 0.2586483 | 0.942174 | 0.2745 | 0.784 | 0.028429435 | count | 1 |
| SPAG8 | 0.2586483 | 1.0014526 | 0.2583 | 0.796 | 0.028429435 | count | 1 |
| DKK3 | 0.2586483 | 1.104727 | 0.2341 | 0.815 | 0.028429435 | count | 1 |
| PRDM11 | 0.2586483 | 1.0014526 | 0.2583 | 0.796 | 0.028429435 | count | 1 |
| CLEC6A | 0.2586483 | 1.0014526 | 0.2583 | 0.796 | 0.028429435 | count | 1 |
| AC135050.1 | 0.2586483 | 1.0014526 | 0.2583 | 0.796 | 0.028429435 | count | 1 |
| MARVELD3 | 0.2586483 | 0.942174 | 0.2745 | 0.784 | 0.028429435 | count | 1 |
| ZFP3 | 0.2586483 | 1.0014526 | 0.2583 | 0.796 | 0.028429435 | count | 1 |
| AC008763.2 | 0.2586483 | 1.104727 | 0.2341 | 0.815 | 0.028429435 | count | 1 |
| LRFN3 | 0.2586483 | 0.942174 | 0.2745 | 0.784 | 0.028429435 | count | 1 |
| MED7 | 0.0236614 | 0.2896602 | 0.0817 | 0.935 | 0.028474548 | count | 1 |
| HMGB1 | 0.0200341 | 0.037588 | 0.533 | 0.594 | 0.028810339 | count | 1 |
| LINC01353 | 0.0459979 | 0.4968464 | 0.0926 | 0.926 | 0.028823897 | count | 1 |
| RRAS | 0.0206339 | 0.1052392 | 0.1961 | 0.845 | 0.028837648 | count | 1 |
| OBSCN | 0.1050536 | 0.8350864 | 0.1258 | 0.9 | 0.028843396 | count | 1 |
| CD86 | 0.02034 | 0.0665966 | 0.3054 | 0.76 | 0.028936516 | count | 1 |
| CEBPZOS | 0.0218118 | 0.1914684 | 0.1139 | 0.909 | 0.029010111 | count | 1 |
| HELZ | 0.0218071 | 0.1563298 | 0.1395 | 0.889 | 0.029102068 | count | 1 |
| HPGD | 0.0391285 | 0.306734 | 0.1276 | 0.899 | 0.029212703 | count | 1 |
| RCC2 | 0.022094 | 0.1725952 | 0.128 | 0.898 | 0.029277523 | count | 1 |
| YBEY | 0.0235581 | 0.237249 | 0.0993 | 0.921 | 0.029532392 | count | 1 |
| SNW1 | 0.0211699 | 0.1010272 | 0.2095 | 0.834 | 0.029642567 | count | 1 |
| CEP72 | 0.0502729 | 1.1858875 | 0.0424 | 0.966 | 0.029665466 | count | 1 |
| HIST1H2AE | 0.0502729 | 0.909805 | 0.0553 | 0.956 | 0.029665466 | count | 1 |
| PLPP4 | 0.0502729 | 0.8139014 | 0.0618 | 0.951 | 0.029665466 | count | 1 |
| ZNF256 | 0.0502729 | 1.5216874 | 0.033 | 0.974 | 0.029665466 | count | 1 |
| SNX4 | 0.0228383 | 0.1931256 | 0.1183 | 0.906 | 0.030345236 | count | 1 |
| SESN2 | 0.0248008 | 0.2106796 | 0.1177 | 0.906 | 0.030392409 | count | 1 |
| CLEC2D | 0.0330623 | 0.3766575 | 0.0878 | 0.93 | 0.03040608 | count | 1 |
| HMG3-AS1 | 0.0552914 | 0.6357135 | 0.087 | 0.931 | 0.030414592 | count | 1 |
| NAA25 | 0.0294734 | 0.2641531 | 0.1116 | 0.911 | 0.030440233 | count | 1 |
| BDH2 | 0.0262856 | 0.3342185 | 0.0786 | 0.937 | 0.030513481 | count | 1 |
| KLHL24 | 0.0235611 | 0.1406116 | 0.1676 | 0.867 | 0.030640585 | count | 1 |
| ZNF678 | 0.042647 | 0.426996 | 0.0999 | 0.92 | 0.030718552 | count | 1 |
| ZMIZ1 | 0.0239524 | 0.21508 | 0.1114 | 0.911 | 0.03093209 | count | 1 |
| AP003068.2 | 0.2797728 | 0.661931 | 0.4227 | 0.673 | 0.030947669 | count | 1 |
| AL133245.1 | 0.2828022 | 0.6452812 | 0.4383 | 0.661 | 0.031311235 | count | 1 |
| PYCARD-AS1 | 0.0308966 | 0.3848487 | 0.0803 | 0.936 | 0.031340257 | count | 1 |
| RPA2 | 0.0236016 | 0.1575886 | 0.1498 | 0.881 | 0.031392076 | count | 1 |
| RPL10 | 0.0220161 | 0.0216498 | 1.0169 | 0.309 | 0.031751058 | count | 1 |
| MRPL42 | 0.0240696 | 0.1535228 | 0.1568 | 0.875 | 0.03178783 | count | 1 |
| TCIRG1 | 0.0227522 | 0.0933167 | 0.2438 | 0.807 | 0.031919501 | count | 1 |
| EIPR1 | 0.0328567 | 0.3750918 | 0.0876 | 0.93 | 0.031931293 | count | 1 |
| VCPIP1 | 0.0271636 | 0.1874724 | 0.1449 | 0.885 | 0.032065296 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|-------|-------------|-------|---|
| PNKD | 0.0230862 | 0.1020023 | 0.2263 | 0.821 | 0.032078792 | count | 1 |
| RUNX1 | 0.0230404 | 0.1164261 | 0.1979 | 0.843 | 0.032184168 | count | 1 |
| C17orf80 | 0.0304848 | 0.4413424 | 0.0691 | 0.945 | 0.032251284 | count | 1 |
| PMVK | 0.0236251 | 0.1271548 | 0.1858 | 0.853 | 0.032273844 | count | 1 |
| SH3BGRL | 0.0225499 | 0.038678 | 0.583 | 0.56 | 0.032356882 | count | 1 |
| ALDOA | 0.023748 | 0.1678275 | 0.1415 | 0.887 | 0.032357053 | count | 1 |
| CFAP298 | 0.0248984 | 0.1823794 | 0.1365 | 0.891 | 0.032433557 | count | 1 |
| SLFN5 | 0.0271542 | 0.2668905 | 0.1017 | 0.919 | 0.032515939 | count | 1 |
| GPBP1L1 | 0.02495 | 0.1568173 | 0.1591 | 0.874 | 0.032551798 | count | 1 |
| PPP3CC | 0.0294687 | 0.3107874 | 0.0948 | 0.924 | 0.032588576 | count | 1 |
| MECP2 | 0.0239065 | 0.1540097 | 0.1552 | 0.877 | 0.032643484 | count | 1 |
| PUM3 | 0.0241351 | 0.1513945 | 0.1594 | 0.873 | 0.032645309 | count | 1 |
| PPP1CA | 0.0229967 | 0.0605851 | 0.3796 | 0.704 | 0.032698213 | count | 1 |
| SRSF1 | 0.0250641 | 0.1571231 | 0.1595 | 0.873 | 0.032725828 | count | 1 |
| DARS2 | 0.043817 | 0.4983386 | 0.0879 | 0.93 | 0.032738233 | count | 1 |
| GATD1 | 0.0341115 | 0.3295883 | 0.1035 | 0.918 | 0.032744463 | count | 1 |
| MYO1G | 0.0243173 | 0.1538293 | 0.1581 | 0.874 | 0.032805178 | count | 1 |
| ENSA | 0.0231504 | 0.0663214 | 0.3491 | 0.727 | 0.032805874 | count | 1 |
| TM7SF3 | 0.0269006 | 0.1855353 | 0.145 | 0.885 | 0.032969184 | count | 1 |
| TMBIM4 | 0.0231305 | 0.0490061 | 0.472 | 0.637 | 0.033095156 | count | 1 |
| WDR18 | 0.0251447 | 0.1964892 | 0.128 | 0.898 | 0.033188801 | count | 1 |
| GMPS | 0.0253143 | 0.1934968 | 0.1308 | 0.896 | 0.033510486 | count | 1 |
| LYN | 0.0236672 | 0.067685 | 0.3497 | 0.727 | 0.033636599 | count | 1 |
| SPACA9 | 0.0569745 | 0.617187 | 0.0923 | 0.926 | 0.033665215 | count | 1 |
| MFGE8 | 0.1699024 | 0.614658 | 0.2764 | 0.782 | 0.033835772 | count | 1 |
| AL096865.1 | 0.0741486 | 0.7073423 | 0.1048 | 0.917 | 0.033962266 | count | 1 |
| GTF3A | 0.0238953 | 0.0703394 | 0.3397 | 0.734 | 0.0339733 | count | 1 |
| CASP9 | 0.0293983 | 0.347313 | 0.0846 | 0.933 | 0.034008657 | count | 1 |
| CAPZB | 0.0238021 | 0.0459066 | 0.5185 | 0.604 | 0.034060866 | count | 1 |
| LZIC | 0.0251481 | 0.127113 | 0.1978 | 0.843 | 0.034204046 | count | 1 |
| PRIM1 | 0.0334741 | 0.3956706 | 0.0846 | 0.933 | 0.03428148 | count | 1 |
| RPL37A | 0.0238895 | 0.0313775 | 0.7614 | 0.447 | 0.034333378 | count | 1 |
| FBXL19 | 0.0476726 | 0.5988032 | 0.0796 | 0.937 | 0.034367845 | count | 1 |
| RORA | 0.1247 | 0.565333 | 0.2206 | 0.825 | 0.034420917 | count | 1 |
| MUTYH | 0.0387336 | 0.5273482 | 0.0734 | 0.941 | 0.034458392 | count | 1 |
| TRAM1 | 0.0244283 | 0.0751746 | 0.325 | 0.745 | 0.034582177 | count | 1 |
| RABL2B | 0.0360891 | 0.4018686 | 0.0898 | 0.928 | 0.034650608 | count | 1 |
| AP000692.2 | 0.0436441 | 0.7851174 | 0.0556 | 0.956 | 0.034699215 | count | 1 |
| AC005332.4 | 0.0860064 | 0.7538602 | 0.1141 | 0.909 | 0.034762635 | count | 1 |
| HNRNPC | 0.0245914 | 0.0598559 | 0.4108 | 0.681 | 0.034950863 | count | 1 |
| ZEB2 | 0.0244826 | 0.0606322 | 0.4038 | 0.686 | 0.035038049 | count | 1 |
| PTGER4 | 0.0248769 | 0.1014121 | 0.2453 | 0.806 | 0.035058177 | count | 1 |
| TRPM4 | 0.0356447 | 0.3488577 | 0.1022 | 0.919 | 0.035059891 | count | 1 |
| TRIAP1 | 0.0273853 | 0.1953849 | 0.1402 | 0.889 | 0.035402489 | count | 1 |
| AC079209.1 | 0.0511536 | 0.4434841 | 0.1153 | 0.908 | 0.035423233 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|-------|-------------|-------|---|
| RXYLT1 | 0.0301638 | 0.2594544 | 0.1163 | 0.907 | 0.035502323 | count | 1 |
| SMCO4 | 0.0252963 | 0.0828685 | 0.3053 | 0.76 | 0.035714155 | count | 1 |
| CTU2 | 0.0353274 | 0.3612329 | 0.0978 | 0.922 | 0.035850719 | count | 1 |
| DAZAP1 | 0.0259422 | 0.1162928 | 0.2231 | 0.823 | 0.035859302 | count | 1 |
| PTCD3 | 0.0341818 | 0.2922838 | 0.1169 | 0.907 | 0.035901342 | count | 1 |
| STAG2 | 0.0258821 | 0.1053491 | 0.2457 | 0.806 | 0.035976506 | count | 1 |
| DNAAF4 | 0.0358775 | 0.3831054 | 0.0936 | 0.925 | 0.036054601 | count | 1 |
| ARPC3 | 0.0250562 | 0.0242568 | 1.033 | 0.302 | 0.036089402 | count | 1 |
| RTRAF | 0.0254385 | 0.0598458 | 0.4251 | 0.671 | 0.036096168 | count | 1 |
| RPUSD2 | 0.0501512 | 0.5370413 | 0.0934 | 0.926 | 0.036169914 | count | 1 |
| MS4A6A | 0.0253048 | 0.0466744 | 0.5422 | 0.588 | 0.036369879 | count | 1 |
| IMP3 | 0.0259341 | 0.0882789 | 0.2938 | 0.769 | 0.036575064 | count | 1 |
| CAPZA1 | 0.0258399 | 0.0634373 | 0.4073 | 0.684 | 0.036643494 | count | 1 |
| KPNA3 | 0.0277289 | 0.1443639 | 0.1921 | 0.848 | 0.036646042 | count | 1 |
| OS9 | 0.0260708 | 0.0737287 | 0.3536 | 0.724 | 0.036695716 | count | 1 |
| MCM9 | 0.0394504 | 0.3784136 | 0.1043 | 0.917 | 0.036865634 | count | 1 |
| PRKAR2A | 0.0274834 | 0.1519316 | 0.1809 | 0.856 | 0.036872862 | count | 1 |
| EPS15L1 | 0.0361587 | 0.3179894 | 0.1137 | 0.909 | 0.037040635 | count | 1 |
| PFKFB4 | 0.0444362 | 0.3658262 | 0.1215 | 0.903 | 0.037187796 | count | 1 |
| BROX | 0.0269666 | 0.106843 | 0.2524 | 0.801 | 0.037249419 | count | 1 |
| ERV3-1 | 0.0293701 | 0.2362152 | 0.1243 | 0.901 | 0.037331427 | count | 1 |
| RAMP1 | 0.0922591 | 0.644895 | 0.1431 | 0.886 | 0.037346486 | count | 1 |
| PDCD1LG2 | 0.0539715 | 0.4148853 | 0.1301 | 0.897 | 0.037393158 | count | 1 |
| LINC00623 | 0.030262 | 0.2401527 | 0.126 | 0.9 | 0.037518302 | count | 1 |
| CC2D1A | 0.0373298 | 0.4500101 | 0.083 | 0.934 | 0.037519685 | count | 1 |
| LRRC28 | 0.0322273 | 0.3267481 | 0.0986 | 0.921 | 0.037688174 | count | 1 |
| HSD17B12 | 0.0279125 | 0.1541498 | 0.1811 | 0.856 | 0.037781359 | count | 1 |
| PLEC | 0.0280551 | 0.1578502 | 0.1777 | 0.859 | 0.037824542 | count | 1 |
| SLC35B2 | 0.0314287 | 0.2775641 | 0.1132 | 0.91 | 0.037838437 | count | 1 |
| YTHDF2 | 0.0275987 | 0.122927 | 0.2245 | 0.822 | 0.037870221 | count | 1 |
| IFT27 | 0.030793 | 0.2035227 | 0.1513 | 0.88 | 0.037897107 | count | 1 |
| ZNF385A | 0.0271779 | 0.1142396 | 0.2379 | 0.812 | 0.038006145 | count | 1 |
| SF3B5 | 0.0267945 | 0.0631431 | 0.4243 | 0.671 | 0.038114383 | count | 1 |
| THAP2 | 0.0319543 | 0.2589069 | 0.1234 | 0.902 | 0.038171609 | count | 1 |
| PPRC1 | 0.0388071 | 0.4058406 | 0.0956 | 0.924 | 0.038183454 | count | 1 |
| GNG7 | 0.0304057 | 0.2513766 | 0.121 | 0.904 | 0.03824058 | count | 1 |
| SLC25A38 | 0.0342116 | 0.3695483 | 0.0926 | 0.926 | 0.038244195 | count | 1 |
| ZNF77 | 0.13938 | 0.5631823 | 0.2475 | 0.805 | 0.03862601 | count | 1 |
| AC007365.1 | 0.0516828 | 0.7320253 | 0.0706 | 0.944 | 0.038664917 | count | 1 |
| TDRKH | 0.0704017 | 0.5781614 | 0.1218 | 0.903 | 0.038849117 | count | 1 |
| XFLT2 | 0.0704017 | 0.6042496 | 0.1165 | 0.907 | 0.038849117 | count | 1 |
| SAMD4B | 0.0300055 | 0.2235908 | 0.1342 | 0.893 | 0.038897825 | count | 1 |
| RHOT2 | 0.031835 | 0.2203463 | 0.1445 | 0.885 | 0.03894643 | count | 1 |
| EIF4H | 0.0280825 | 0.0896627 | 0.3132 | 0.754 | 0.0389627 | count | 1 |
| LINC01473 | 0.1943158 | 0.7360607 | 0.264 | 0.792 | 0.038968307 | count | 1 |

| | | | | | | | |
|-------------|-----------|-----------|--------|-------|-------------|-------|---|
| RBM3 | 0.0273216 | 0.0505801 | 0.5402 | 0.589 | 0.039012529 | count | 1 |
| ZCCHC2 | 0.0294747 | 0.1572469 | 0.1874 | 0.851 | 0.039087264 | count | 1 |
| BAZ1B | 0.0307404 | 0.1686674 | 0.1823 | 0.855 | 0.039432596 | count | 1 |
| FAM151B | 0.049671 | 0.5973899 | 0.0831 | 0.934 | 0.039527137 | count | 1 |
| TBCK | 0.0716501 | 0.4571321 | 0.1567 | 0.875 | 0.039548304 | count | 1 |
| PMPCA | 0.0315071 | 0.2185882 | 0.1441 | 0.885 | 0.039627688 | count | 1 |
| GSTM2 | 0.3522197 | 1.070735 | 0.329 | 0.742 | 0.039808988 | count | 1 |
| ACTR3B | 0.3522197 | 0.8681808 | 0.4057 | 0.685 | 0.039808988 | count | 1 |
| USP20 | 0.3522197 | 0.8681808 | 0.4057 | 0.685 | 0.039808988 | count | 1 |
| PCCA | 0.0426006 | 0.2982335 | 0.1428 | 0.886 | 0.039824425 | count | 1 |
| FTX | 0.0314203 | 0.2258973 | 0.1391 | 0.889 | 0.039940682 | count | 1 |
| CASP7 | 0.0379365 | 0.2334931 | 0.1625 | 0.871 | 0.040161881 | count | 1 |
| GOLPH3 | 0.0310096 | 0.1843799 | 0.1682 | 0.866 | 0.040200887 | count | 1 |
| ATXN1 | 0.0301216 | 0.1544297 | 0.1951 | 0.845 | 0.040224935 | count | 1 |
| PHACTR1 | 0.0281924 | 0.0745165 | 0.3783 | 0.705 | 0.040297761 | count | 1 |
| ARPC4 | 0.028309 | 0.06102 | 0.4639 | 0.643 | 0.04029915 | count | 1 |
| TYW5 | 0.0471363 | 0.4537186 | 0.1039 | 0.917 | 0.040353973 | count | 1 |
| TYROBP | 0.0281037 | 0.0212268 | 1.324 | 0.186 | 0.040517195 | count | 1 |
| ZNF544 | 0.0733808 | 0.5490549 | 0.1336 | 0.894 | 0.040518195 | count | 1 |
| TMEM206 | 0.0324641 | 0.265207 | 0.1224 | 0.903 | 0.040523894 | count | 1 |
| TTL | 0.0337285 | 0.2861719 | 0.1179 | 0.906 | 0.040811027 | count | 1 |
| A2M-AS1 | 0.0528241 | 0.5091471 | 0.1038 | 0.917 | 0.040836458 | count | 1 |
| TRIO | 0.0331114 | 0.2486932 | 0.1331 | 0.894 | 0.040909116 | count | 1 |
| IAH1 | 0.0292938 | 0.088935 | 0.3294 | 0.742 | 0.041082008 | count | 1 |
| DUSP11 | 0.0331405 | 0.2222756 | 0.1491 | 0.881 | 0.041302454 | count | 1 |
| PSMC6 | 0.0299605 | 0.1098857 | 0.2727 | 0.785 | 0.041344024 | count | 1 |
| BLOC1S5 | 0.0368718 | 0.3071383 | 0.12 | 0.904 | 0.041428969 | count | 1 |
| RUVBL2 | 0.0338758 | 0.2925237 | 0.1158 | 0.908 | 0.041447477 | count | 1 |
| DPM2 | 0.0306971 | 0.1551797 | 0.1978 | 0.843 | 0.041591049 | count | 1 |
| C11orf54 | 0.0354069 | 0.2437108 | 0.1453 | 0.884 | 0.041687035 | count | 1 |
| AC008074.3 | 0.0498114 | 0.4004772 | 0.1244 | 0.901 | 0.041718081 | count | 1 |
| TOR1B | 0.0354655 | 0.3076304 | 0.1153 | 0.908 | 0.041756181 | count | 1 |
| ATP5S | 0.0308291 | 0.1561445 | 0.1974 | 0.843 | 0.041855328 | count | 1 |
| RUSC1-AS1 | 0.1034483 | 0.7161855 | 0.1444 | 0.885 | 0.041989271 | count | 1 |
| JAGN1 | 0.0318489 | 0.1660128 | 0.1918 | 0.848 | 0.042095908 | count | 1 |
| GAS6-AS1 | 0.0502729 | 0.577303 | 0.0871 | 0.931 | 0.042107354 | count | 1 |
| AC009005.1 | 0.0828496 | 0.5357787 | 0.1546 | 0.877 | 0.042126872 | count | 1 |
| AC090114.2 | 0.0492047 | 0.4673225 | 0.1053 | 0.916 | 0.042136752 | count | 1 |
| RPL8 | 0.0292809 | 0.0251006 | 1.1665 | 0.244 | 0.042204927 | count | 1 |
| THTPA | 0.0399892 | 0.2815676 | 0.142 | 0.887 | 0.042342838 | count | 1 |
| NEK3 | 0.0361206 | 0.2265747 | 0.1594 | 0.873 | 0.042392468 | count | 1 |
| SCAND1 | 0.0297794 | 0.0661644 | 0.4501 | 0.653 | 0.042443133 | count | 1 |
| LRIF1 | 0.032041 | 0.2699204 | 0.1187 | 0.906 | 0.0424935 | count | 1 |
| CHIT1 | 0.0926328 | 0.8028294 | 0.1154 | 0.908 | 0.042609221 | count | 1 |
| ST3GAL6-AS1 | 0.0926328 | 1.1409191 | 0.0812 | 0.935 | 0.042609221 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|-------|-------------|-------|---|
| POLN | 0.0926328 | 1.1409191 | 0.0812 | 0.935 | 0.042609221 | count | 1 |
| MND1 | 0.0926328 | 0.8028294 | 0.1154 | 0.908 | 0.042609221 | count | 1 |
| CCNF | 0.0926328 | 0.8028294 | 0.1154 | 0.908 | 0.042609221 | count | 1 |
| ANKEF1 | 0.0926328 | 0.8028294 | 0.1154 | 0.908 | 0.042609221 | count | 1 |
| RHOG | 0.0299141 | 0.0510107 | 0.5864 | 0.558 | 0.04266382 | count | 1 |
| CALCOCO1 | 0.0339234 | 0.2424953 | 0.1399 | 0.889 | 0.042732073 | count | 1 |
| ZSWIM4 | 0.1236455 | 0.6700241 | 0.1845 | 0.854 | 0.042764709 | count | 1 |
| ZNF503 | 0.0318377 | 0.1635031 | 0.1947 | 0.846 | 0.042819032 | count | 1 |
| THYN1 | 0.0315263 | 0.1339323 | 0.2354 | 0.814 | 0.042861499 | count | 1 |
| AL139260.1 | 0.0617861 | 0.5163915 | 0.1196 | 0.905 | 0.04286618 | count | 1 |
| MAP3K10 | 0.0617861 | 0.5768871 | 0.1071 | 0.915 | 0.04286618 | count | 1 |
| SDHAF2 | 0.0322074 | 0.1748696 | 0.1842 | 0.854 | 0.04286967 | count | 1 |
| DIS3 | 0.0331484 | 0.1596088 | 0.2077 | 0.835 | 0.042900524 | count | 1 |
| H3F3A | 0.0297761 | 0.0251779 | 1.1826 | 0.237 | 0.042905549 | count | 1 |
| PPP1R7 | 0.0308147 | 0.087559 | 0.3519 | 0.725 | 0.04307085 | count | 1 |
| VHL | 0.0340361 | 0.1963045 | 0.1734 | 0.862 | 0.043216907 | count | 1 |
| PNMA8B | 0.3797529 | 0.7542869 | 0.5035 | 0.615 | 0.04326768 | count | 1 |
| TMEM41A | 0.0385476 | 0.264613 | 0.1457 | 0.884 | 0.043317332 | count | 1 |
| TMEM203 | 0.0349998 | 0.257009 | 0.1362 | 0.892 | 0.04332493 | count | 1 |
| PPCS | 0.0308619 | 0.0904452 | 0.3412 | 0.733 | 0.043370336 | count | 1 |
| SH2B1 | 0.0445907 | 0.3468664 | 0.1286 | 0.898 | 0.043391118 | count | 1 |
| YIPF2 | 0.03419 | 0.2158618 | 0.1584 | 0.874 | 0.043519061 | count | 1 |
| CHTF8 | 0.0343809 | 0.2388926 | 0.1439 | 0.886 | 0.043600309 | count | 1 |
| COPS9 | 0.030864 | 0.0719829 | 0.4288 | 0.668 | 0.043662617 | count | 1 |
| IRF2BPL | 0.0349444 | 0.2667617 | 0.131 | 0.896 | 0.043694144 | count | 1 |
| FOXD2 | 0.216874 | 0.8013055 | 0.2707 | 0.787 | 0.043771031 | count | 1 |
| TAF1A-AS1 | 0.216874 | 0.8919104 | 0.2432 | 0.808 | 0.043771031 | count | 1 |
| FZD7 | 0.216874 | 0.8046245 | 0.2695 | 0.788 | 0.043771031 | count | 1 |
| KLHL2 | 0.0389696 | 0.2812073 | 0.1386 | 0.89 | 0.043792933 | count | 1 |
| AL590617.2 | 0.0500974 | 0.4148241 | 0.1208 | 0.904 | 0.043796268 | count | 1 |
| DDX49 | 0.03457 | 0.2040259 | 0.1694 | 0.865 | 0.043840457 | count | 1 |
| ZCCHC9 | 0.0333563 | 0.204054 | 0.1635 | 0.87 | 0.043843417 | count | 1 |
| UBAP2 | 0.0350389 | 0.2208912 | 0.1586 | 0.874 | 0.043880503 | count | 1 |
| SIMC1 | 0.0698662 | 0.4843824 | 0.1442 | 0.885 | 0.043980917 | count | 1 |
| CALCR | 0.1580818 | 0.7184522 | 0.22 | 0.826 | 0.044029594 | count | 1 |
| SEC61A1 | 0.0331685 | 0.1877225 | 0.1767 | 0.86 | 0.044083185 | count | 1 |
| PRDX3 | 0.0310986 | 0.0643463 | 0.4833 | 0.629 | 0.044106136 | count | 1 |
| DNAJC19 | 0.0323376 | 0.1278281 | 0.253 | 0.8 | 0.044131756 | count | 1 |
| NKRF | 0.0392989 | 0.3720545 | 0.1056 | 0.916 | 0.04416408 | count | 1 |
| YTHDC1 | 0.0318275 | 0.1149548 | 0.2769 | 0.782 | 0.044171011 | count | 1 |
| ZSWIM7 | 0.0321212 | 0.1095103 | 0.2933 | 0.769 | 0.044440709 | count | 1 |
| GOLGA4 | 0.0321317 | 0.0942359 | 0.341 | 0.733 | 0.044562077 | count | 1 |
| TATDN1 | 0.0336446 | 0.1676985 | 0.2006 | 0.841 | 0.044693368 | count | 1 |
| AP000547.3 | 0.0561738 | 0.4595268 | 0.1222 | 0.903 | 0.044746019 | count | 1 |
| TTLL12 | 0.1295615 | 0.4877671 | 0.2656 | 0.791 | 0.044878184 | count | 1 |

| | | | | | | | |
|-------------|-----------|-----------|--------|-------|-------------|-------|---|
| AFF1 | 0.0343241 | 0.1744968 | 0.1967 | 0.844 | 0.044961876 | count | 1 |
| GPCPD1 | 0.031715 | 0.0922384 | 0.3438 | 0.731 | 0.045014063 | count | 1 |
| UBE2H | 0.0329296 | 0.1513614 | 0.2176 | 0.828 | 0.045022281 | count | 1 |
| PHF10 | 0.0342783 | 0.1928409 | 0.1778 | 0.859 | 0.045056543 | count | 1 |
| SRGAP3 | 0.0403373 | 0.2581227 | 0.1563 | 0.876 | 0.045113026 | count | 1 |
| WRAP53 | 0.0453353 | 0.4581719 | 0.0989 | 0.921 | 0.04513224 | count | 1 |
| ZNF707 | 0.1621478 | 0.731904 | 0.2215 | 0.825 | 0.045211264 | count | 1 |
| N6AMT1 | 0.062765 | 0.485969 | 0.1292 | 0.897 | 0.045363797 | count | 1 |
| SLC19A1 | 0.0473042 | 0.314887 | 0.1502 | 0.881 | 0.045476422 | count | 1 |
| PLPP3 | 0.0377914 | 0.298999 | 0.1264 | 0.899 | 0.045515024 | count | 1 |
| POM121 | 0.0369125 | 0.2389533 | 0.1545 | 0.877 | 0.045528988 | count | 1 |
| WDR13 | 0.0351237 | 0.1943958 | 0.1807 | 0.857 | 0.045540853 | count | 1 |
| PADI2 | 0.0686603 | 0.4801784 | 0.143 | 0.886 | 0.045545956 | count | 1 |
| ZNF566 | 0.0495045 | 0.7732454 | 0.064 | 0.949 | 0.045619349 | count | 1 |
| COMMD1 | 0.032706 | 0.1043255 | 0.3135 | 0.754 | 0.045664642 | count | 1 |
| LMNA | 0.031964 | 0.0779856 | 0.4099 | 0.682 | 0.045791099 | count | 1 |
| ZNF248 | 0.0830208 | 0.4909069 | 0.1691 | 0.866 | 0.045932961 | count | 1 |
| KXD1 | 0.0330523 | 0.120208 | 0.275 | 0.783 | 0.045937542 | count | 1 |
| HPCAL1 | 0.0330584 | 0.1290878 | 0.2561 | 0.798 | 0.045950903 | count | 1 |
| CLN5 | 0.0345813 | 0.1624582 | 0.2129 | 0.831 | 0.045962626 | count | 1 |
| NET1 | 0.0507478 | 0.2746302 | 0.1848 | 0.853 | 0.046016792 | count | 1 |
| SPEN | 0.0340286 | 0.1329548 | 0.2559 | 0.798 | 0.046162518 | count | 1 |
| PARP12 | 0.0400036 | 0.2350243 | 0.1702 | 0.865 | 0.0463101 | count | 1 |
| ITGA4 | 0.0331704 | 0.0912272 | 0.3636 | 0.716 | 0.046320834 | count | 1 |
| ZNF600 | 0.2289966 | 0.532762 | 0.4298 | 0.667 | 0.046375816 | count | 1 |
| UBB | 0.032282 | 0.0367694 | 0.878 | 0.38 | 0.046376446 | count | 1 |
| CDC23 | 0.0472108 | 0.3218019 | 0.1467 | 0.883 | 0.046494137 | count | 1 |
| GHITM | 0.0328565 | 0.0633546 | 0.5186 | 0.604 | 0.046539542 | count | 1 |
| LY6E | 0.0326038 | 0.0843823 | 0.3864 | 0.699 | 0.046549737 | count | 1 |
| SAT2 | 0.0328049 | 0.0732993 | 0.4475 | 0.655 | 0.046599125 | count | 1 |
| ECHS1 | 0.0333616 | 0.0970931 | 0.3436 | 0.731 | 0.046964976 | count | 1 |
| TP53TG1 | 0.0365352 | 0.2042268 | 0.1789 | 0.858 | 0.046973308 | count | 1 |
| UBE2I | 0.033119 | 0.0751073 | 0.441 | 0.659 | 0.047016619 | count | 1 |
| LSP1 | 0.0328657 | 0.0616518 | 0.5331 | 0.594 | 0.047111431 | count | 1 |
| FASTKD2 | 0.0411897 | 0.3440325 | 0.1197 | 0.905 | 0.047128463 | count | 1 |
| AGAP2 | 0.0748607 | 0.5465504 | 0.137 | 0.891 | 0.047169658 | count | 1 |
| NDST2 | 0.0484545 | 0.4026754 | 0.1203 | 0.904 | 0.047171029 | count | 1 |
| DESI2 | 0.0352509 | 0.1549792 | 0.2275 | 0.82 | 0.047706836 | count | 1 |
| TRIM68 | 0.2352118 | 0.9899699 | 0.2376 | 0.812 | 0.047717724 | count | 1 |
| AC091814.1 | 0.2352118 | 0.9899699 | 0.2376 | 0.812 | 0.047717724 | count | 1 |
| PWAR6 | 0.2352118 | 0.977298 | 0.2407 | 0.81 | 0.047717724 | count | 1 |
| FSIP1 | 0.2352118 | 0.977298 | 0.2407 | 0.81 | 0.047717724 | count | 1 |
| NT5M | 0.2352118 | 0.9875452 | 0.2382 | 0.812 | 0.047717724 | count | 1 |
| ADORA2A-AS1 | 0.2352118 | 0.9875452 | 0.2382 | 0.812 | 0.047717724 | count | 1 |
| APOBEC3H | 0.2352118 | 0.9899699 | 0.2376 | 0.812 | 0.047717724 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|--------|-------------|-------|---|
| NT5C3B | 0.0438685 | 0.2777264 | 0.158 | 0.875 | 0.047735461 | count | 1 |
| SPAG1 | 0.0637509 | 0.4861401 | 0.1311 | 0.896 | 0.047786931 | count | 1 |
| UNG | 0.0637509 | 0.4713992 | 0.1352 | 0.892 | 0.047786931 | count | 1 |
| CRHBP | 0.0557707 | 0.3308054 | 0.1686 | 0.866 | 0.047802655 | count | 1 |
| MYO15B | 0.0557707 | 0.3968567 | 0.1405 | 0.888 | 0.047802655 | count | 1 |
| ZNF319 | 0.0637776 | 1.0224862 | 0.0624 | 0.95 | 0.04780715 | count | 1 |
| HCLS1 | 0.0336695 | 0.0556945 | 0.6045 | 0.546 | 0.047872136 | count | 1 |
| EXD2 | 0.086793 | 0.6814946 | 0.1274 | 0.899 | 0.048057535 | count | 1 |
| XRCC6 | 0.03406 | 0.0749747 | 0.4543 | 0.65 | 0.048093502 | count | 1 |
| RABL3 | 0.0461689 | 0.382926 | 0.1206 | 0.904 | 0.04816089 | count | 1 |
| RRN3 | 0.0522816 | 0.3021758 | 0.173 | 0.863 | 0.048194827 | count | 1 |
| APH1A | 0.0344763 | 0.0863744 | 0.3991 | 0.69 | 0.048201644 | count | 1 |
| SURF6 | 0.0411116 | 0.3281693 | 0.1253 | 0.9 | 0.048265292 | count | 1 |
| RNF217 | 0.0403427 | 0.2556187 | 0.1578 | 0.875 | 0.048345291 | count | 1 |
| MFAP3 | 0.1050536 | 0.9415496 | 0.1116 | 0.911 | 0.04845976 | count | 1 |
| NRARP | 0.0362728 | 0.2618026 | 0.1386 | 0.89 | 0.048468799 | count | 1 |
| AC009065.4 | 0.0819223 | 0.7541799 | 0.1086 | 0.914 | 0.04864727 | count | 1 |
| TSKS | 0.0819223 | 0.7092161 | 0.1155 | 0.908 | 0.04864727 | count | 1 |
| CCDC51 | 0.0583147 | 0.4833984 | 0.1206 | 0.904 | 0.048898617 | count | 1 |
| LINC00294 | 0.1060709 | 0.6021006 | 0.1762 | 0.86 | 0.048940357 | count | 1 |
| ZNF593 | 0.0356359 | 0.1442322 | 0.2471 | 0.805 | 0.048995309 | count | 1 |
| LINC00893 | 0.0777384 | 0.934018 | 0.0832 | 0.934 | 0.049009601 | count | 1 |
| AGFG1 | 0.0353273 | 0.1074075 | 0.3289 | 0.742 | 0.049442313 | count | 1 |
| DDIT3 | 0.0363789 | 0.138358 | 0.2629 | 0.793 | 0.049578663 | count | 1 |
| TOP1 | 0.034864 | 0.0669006 | 0.5211 | 0.602 | 0.049581887 | count | 1 |
| NMRAL1 | 0.0393328 | 0.2090352 | 0.1882 | 0.851 | 0.049826165 | count | 1 |
| PIGBOS1 | 0.0379942 | 0.1980308 | 0.1919 | 0.848 | 0.049845063 | count | 1 |
| HRH2 | 0.0367033 | 0.1336066 | 0.2747 | 0.784 | 0.049918275 | count | 1 |
| PNPT1 | 0.0408849 | 0.2141574 | 0.1909 | 0.849 | 0.050041228 | count | 1 |
| ADI1 | 0.0361699 | 0.0927189 | 0.3901 | 0.696 | 0.050429529 | count | 1 |
| GTPBP6 | 0.0387766 | 0.1484056 | 0.2613 | 0.794 | 0.050453573 | count | 1 |
| CCNC | 0.0383897 | 0.1716157 | 0.2237 | 0.823 | 0.050466945 | count | 1 |
| GCLC | 0.0481045 | 0.2896054 | 0.1661 | 0.868 | 0.050589184 | count | 1 |
| GLMP | 0.0374713 | 0.1513307 | 0.2476 | 0.804 | 0.050698249 | count | 1 |
| PTPRM | 0.1243402 | 0.4931286 | 0.2521 | 0.801 | 0.050723008 | count | 1 |
| KCMF1 | 0.0380085 | 0.1430718 | 0.2657 | 0.791 | 0.050767322 | count | 1 |
| DUSP12 | 0.0423929 | 0.242541 | 0.1748 | 0.861 | 0.050808141 | count | 1 |
| AL138966.2 | 0.1461253 | 0.8552665 | 0.1709 | 0.864 | 0.050827982 | count | 1 |
| BIVM | 0.1461253 | 0.7409142 | 0.1972 | 0.844 | 0.050827982 | count | 1 |
| AC116913.1 | 0.1461253 | 0.9173933 | 0.1593 | 0.873 | 0.050827982 | count | 1 |
| NR1H2 | 0.0368441 | 0.1157223 | 0.3184 | 0.75 | 0.050878452 | count | 1 |
| VAPA | 0.0356567 | 0.0508622 | 0.701 | 0.4833 | 0.050948862 | count | 1 |
| PDCL | 0.0408913 | 0.182385 | 0.2242 | 0.823 | 0.051062913 | count | 1 |
| CLIC4 | 0.0395073 | 0.2198472 | 0.1797 | 0.857 | 0.051095056 | count | 1 |
| UFL1 | 0.0380826 | 0.1349118 | 0.2823 | 0.778 | 0.051244383 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|-------|-------------|-------|---|
| UBFD1 | 0.0565203 | 0.3307792 | 0.1709 | 0.864 | 0.051288229 | count | 1 |
| SACS | 0.0527167 | 0.3729833 | 0.1413 | 0.888 | 0.051344341 | count | 1 |
| MRPL23 | 0.0367532 | 0.1016539 | 0.3616 | 0.718 | 0.051350632 | count | 1 |
| ACTN4 | 0.0372827 | 0.1229049 | 0.3033 | 0.762 | 0.051751425 | count | 1 |
| TOP2A | 0.1017308 | 0.8093468 | 0.1257 | 0.9 | 0.05193991 | count | 1 |
| KCNK7 | 0.1272842 | 0.9468374 | 0.1344 | 0.893 | 0.051960508 | count | 1 |
| BTBD11 | 0.1272842 | 0.8407863 | 0.1514 | 0.88 | 0.051960508 | count | 1 |
| AC004943.2 | 0.1272842 | 0.8407863 | 0.1514 | 0.88 | 0.051960508 | count | 1 |
| AC006157.1 | 0.1272842 | 1.5945048 | 0.0798 | 0.936 | 0.051960508 | count | 1 |
| RARS2 | 0.0439387 | 0.2564176 | 0.1714 | 0.864 | 0.052078067 | count | 1 |
| PRR15 | 0.4482087 | 1.211345 | 0.37 | 0.711 | 0.052082244 | count | 1 |
| AMER1 | 0.4482087 | 1.085943 | 0.4127 | 0.68 | 0.052082244 | count | 1 |
| LINC02099 | 0.4482087 | 1.085943 | 0.4127 | 0.68 | 0.052082244 | count | 1 |
| FAM84B | 0.4482087 | 1.085943 | 0.4127 | 0.68 | 0.052082244 | count | 1 |
| ZFP41 | 0.4482087 | 1.085943 | 0.4127 | 0.68 | 0.052082244 | count | 1 |
| AC023355.1 | 0.4482087 | 1.211345 | 0.37 | 0.711 | 0.052082244 | count | 1 |
| GP1BA | 0.4482087 | 1.0116915 | 0.443 | 0.658 | 0.052082244 | count | 1 |
| AC010761.2 | 0.4482087 | 1.079644 | 0.4151 | 0.678 | 0.052082244 | count | 1 |
| AC015819.1 | 0.4482087 | 1.085943 | 0.4127 | 0.68 | 0.052082244 | count | 1 |
| ARHGAP33 | 0.4482087 | 1.079644 | 0.4151 | 0.678 | 0.052082244 | count | 1 |
| CCDC13 | 0.0826486 | 0.7546693 | 0.1095 | 0.913 | 0.052153584 | count | 1 |
| MFHAS1 | 0.0468751 | 0.286598 | 0.1636 | 0.87 | 0.052184757 | count | 1 |
| NEMP2 | 0.0721097 | 0.5041355 | 0.143 | 0.886 | 0.052199582 | count | 1 |
| SYTL3 | 0.0422758 | 0.2237907 | 0.1889 | 0.85 | 0.052254978 | count | 1 |
| SLC39A7 | 0.0410364 | 0.1732095 | 0.2369 | 0.813 | 0.05248962 | count | 1 |
| HCST | 0.0367236 | 0.0464835 | 0.79 | 0.43 | 0.052733484 | count | 1 |
| CDAN1 | 0.2586483 | 0.7449146 | 0.3472 | 0.728 | 0.052817098 | count | 1 |
| PIK3AP1 | 0.0388094 | 0.1372299 | 0.2828 | 0.777 | 0.052880279 | count | 1 |
| SNX33 | 0.0761419 | 0.5103072 | 0.1492 | 0.881 | 0.052958585 | count | 1 |
| PCIF1 | 0.0424095 | 0.2205155 | 0.1923 | 0.848 | 0.053046269 | count | 1 |
| RFESD | 0.1537275 | 0.7033645 | 0.2186 | 0.827 | 0.053574673 | count | 1 |
| PSMD13 | 0.0386725 | 0.1028271 | 0.3761 | 0.707 | 0.053735198 | count | 1 |
| IFI16 | 0.0377446 | 0.0568634 | 0.6638 | 0.507 | 0.053742799 | count | 1 |
| PFN1 | 0.0374057 | 0.0272845 | 1.371 | 0.171 | 0.0538946 | count | 1 |
| SINHCAF | 0.0398428 | 0.1506785 | 0.2644 | 0.791 | 0.053959837 | count | 1 |
| CUTA | 0.038169 | 0.0682182 | 0.5595 | 0.576 | 0.054011942 | count | 1 |
| COG1 | 0.0569075 | 0.3527631 | 0.1613 | 0.872 | 0.054048081 | count | 1 |
| TMEM170A | 0.0404924 | 0.1471983 | 0.2751 | 0.783 | 0.054063656 | count | 1 |
| ISCA1 | 0.0392574 | 0.1362221 | 0.2882 | 0.773 | 0.054139223 | count | 1 |
| FARS2 | 0.0511536 | 0.3071715 | 0.1665 | 0.868 | 0.054218667 | count | 1 |
| ECH1 | 0.0382492 | 0.0662403 | 0.5774 | 0.564 | 0.054449681 | count | 1 |
| CRTAM | 0.0497184 | 0.2973941 | 0.1672 | 0.867 | 0.054453161 | count | 1 |
| PDCD6IP | 0.0394568 | 0.1219299 | 0.3236 | 0.746 | 0.054456056 | count | 1 |
| SCRG1 | 0.0785694 | 0.3993153 | 0.1968 | 0.844 | 0.054670032 | count | 1 |
| RPL10A | 0.0380212 | 0.0312563 | 1.2164 | 0.224 | 0.054722708 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|--------|-------------|-------|---|
| PHTF1 | 0.0480362 | 0.2837682 | 0.1693 | 0.866 | 0.054757577 | count | 1 |
| USP42 | 0.0577766 | 0.3563648 | 0.1621 | 0.871 | 0.054878998 | count | 1 |
| AC106707.1 | 0.0654851 | 0.3237103 | 0.2023 | 0.84 | 0.054966715 | count | 1 |
| SQOR | 0.0393498 | 0.0875228 | 0.4496 | 0.653 | 0.05507811 | count | 1 |
| HMG2 | 0.0385588 | 0.0590326 | 0.6532 | 0.5137 | 0.055117468 | count | 1 |
| ZNF813 | 0.1584011 | 0.6296061 | 0.2516 | 0.801 | 0.055268222 | count | 1 |
| CENPT | 0.0529637 | 0.2863088 | 0.185 | 0.853 | 0.055283914 | count | 1 |
| AP001189.5 | 0.4725612 | 0.7909152 | 0.5975 | 0.55 | 0.055291322 | count | 1 |
| RRBP1 | 0.0392994 | 0.0832781 | 0.4719 | 0.637 | 0.055487845 | count | 1 |
| HSPBP1 | 0.0468306 | 0.2655165 | 0.1764 | 0.86 | 0.055515333 | count | 1 |
| CAMK1 | 0.0403603 | 0.1102167 | 0.3662 | 0.714 | 0.055589849 | count | 1 |
| PTP4A2 | 0.039169 | 0.0677075 | 0.5785 | 0.563 | 0.055680124 | count | 1 |
| SLC8A1 | 0.0397455 | 0.0940756 | 0.4225 | 0.673 | 0.055692397 | count | 1 |
| TMOD3 | 0.0395932 | 0.092536 | 0.4279 | 0.669 | 0.055724876 | count | 1 |
| MUL1 | 0.0614228 | 0.3838675 | 0.16 | 0.873 | 0.05577103 | count | 1 |
| GID8 | 0.0415668 | 0.1441368 | 0.2884 | 0.773 | 0.05615344 | count | 1 |
| IK | 0.0398317 | 0.0778702 | 0.5115 | 0.609 | 0.056191783 | count | 1 |
| CEP41 | 0.0669842 | 0.488917 | 0.137 | 0.891 | 0.05623687 | count | 1 |
| AMDHD1 | 0.1012677 | 0.6965495 | 0.1454 | 0.884 | 0.056239799 | count | 1 |
| L3MBTL1 | 0.1012677 | 1.2869119 | 0.0787 | 0.937 | 0.056239799 | count | 1 |
| BLOC1S2 | 0.0402117 | 0.1151322 | 0.3493 | 0.727 | 0.056285003 | count | 1 |
| EIF4E2 | 0.0399263 | 0.0800237 | 0.4989 | 0.618 | 0.056350757 | count | 1 |
| SLAIN2 | 0.0408683 | 0.1352466 | 0.3022 | 0.763 | 0.056379574 | count | 1 |
| ZNF350 | 0.0481624 | 0.3950849 | 0.1219 | 0.903 | 0.056380884 | count | 1 |
| ORAI1 | 0.0417796 | 0.1478143 | 0.2826 | 0.777 | 0.056441173 | count | 1 |
| NCK1-DT | 0.0456089 | 0.2545309 | 0.1792 | 0.858 | 0.056486245 | count | 1 |
| ALKBH2 | 0.0484304 | 0.335784 | 0.1442 | 0.885 | 0.05669558 | count | 1 |
| AAMDC | 0.0431348 | 0.1706475 | 0.2528 | 0.8 | 0.056859016 | count | 1 |
| SELENBP1 | 0.4853224 | 0.8120123 | 0.5977 | 0.55 | 0.056988182 | count | 1 |
| AC008914.1 | 0.4853224 | 0.8120123 | 0.5977 | 0.55 | 0.056988182 | count | 1 |
| FP565260.6 | 0.4853224 | 0.7463248 | 0.6503 | 0.516 | 0.056988182 | count | 1 |
| ERI3 | 0.0456666 | 0.2122196 | 0.2152 | 0.83 | 0.057038403 | count | 1 |
| DR1 | 0.0418631 | 0.1461687 | 0.2864 | 0.775 | 0.057194231 | count | 1 |
| RHOBTB1 | 0.0698183 | 0.3121243 | 0.2237 | 0.823 | 0.057233008 | count | 1 |
| MAMDC4 | 0.1238797 | 1.0707655 | 0.1157 | 0.908 | 0.057388407 | count | 1 |
| AC079174.2 | 0.1238797 | 1.2483789 | 0.0992 | 0.921 | 0.057388407 | count | 1 |
| PTPN21 | 0.1238797 | 1.6715811 | 0.0741 | 0.941 | 0.057388407 | count | 1 |
| STX1B | 0.1238797 | 0.8696794 | 0.1424 | 0.887 | 0.057388407 | count | 1 |
| RPP14 | 0.0584668 | 0.4701522 | 0.1244 | 0.901 | 0.057648574 | count | 1 |
| PAF1 | 0.0450111 | 0.1867013 | 0.2411 | 0.81 | 0.057708097 | count | 1 |
| UNC5B | 0.0970351 | 0.4872094 | 0.1992 | 0.842 | 0.057793326 | count | 1 |
| CAPRIN2 | 0.0724355 | 0.3718746 | 0.1948 | 0.846 | 0.057840925 | count | 1 |
| PRKAG2-AS1 | 0.042794 | 0.1661828 | 0.2575 | 0.797 | 0.057924426 | count | 1 |
| MTREX | 0.0456623 | 0.2485588 | 0.1837 | 0.854 | 0.057933545 | count | 1 |
| TCTE3 | 0.0772454 | 0.7021497 | 0.11 | 0.912 | 0.058028409 | count | 1 |

| | | | | | | | |
|-------------|-----------|-----------|--------|-------|-------------|-------|---|
| CREB5 | 0.0435325 | 0.1358829 | 0.3204 | 0.749 | 0.058100229 | count | 1 |
| AL022069.1 | 0.1418817 | 0.7687729 | 0.1846 | 0.854 | 0.058121155 | count | 1 |
| AC011944.1 | 0.2063004 | 0.8732296 | 0.2362 | 0.813 | 0.058200237 | count | 1 |
| UBAP2L | 0.0465079 | 0.2017829 | 0.2305 | 0.818 | 0.058447974 | count | 1 |
| FAHD2A | 0.0555397 | 0.391841 | 0.1417 | 0.887 | 0.058448062 | count | 1 |
| HMBS | 0.0544011 | 0.2668578 | 0.2039 | 0.838 | 0.058493602 | count | 1 |
| SNX9 | 0.0429252 | 0.122184 | 0.3513 | 0.725 | 0.058578335 | count | 1 |
| GDPD5 | 0.1264034 | 0.5913577 | 0.2138 | 0.831 | 0.05859089 | count | 1 |
| SGK494 | 0.0756871 | 0.4733268 | 0.1599 | 0.873 | 0.058720113 | count | 1 |
| ADCK2 | 0.0462385 | 0.2047856 | 0.2258 | 0.821 | 0.058812153 | count | 1 |
| AL034417.3 | 0.2858546 | 1.2553215 | 0.2277 | 0.82 | 0.058814282 | count | 1 |
| RIMKLA | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| AL356356.1 | 0.2858546 | 1.2553215 | 0.2277 | 0.82 | 0.058814282 | count | 1 |
| TRIM46 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| AC013271.1 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| NPHP1 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| COL8A1 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| AC016596.1 | 0.2858546 | 1.2553215 | 0.2277 | 0.82 | 0.058814282 | count | 1 |
| AC010245.2 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| NRN1 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| AL354719.2 | 0.2858546 | 1.2553215 | 0.2277 | 0.82 | 0.058814282 | count | 1 |
| SRSF12 | 0.2858546 | 1.2553215 | 0.2277 | 0.82 | 0.058814282 | count | 1 |
| Z97989.1 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| THSD7A | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| SLC12A9-AS1 | 0.2858546 | 1.2553215 | 0.2277 | 0.82 | 0.058814282 | count | 1 |
| VGF | 0.2858546 | 1.2553215 | 0.2277 | 0.82 | 0.058814282 | count | 1 |
| RASA4B | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| AC246817.2 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| AC138696.2 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| ZNF252P-AS1 | 0.2858546 | 1.6004755 | 0.1786 | 0.858 | 0.058814282 | count | 1 |
| GLIDR | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| TNC | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| RNF208 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| AP003774.1 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| AP002761.1 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| SYTL2 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| MMP3 | 0.2858546 | 1.2553215 | 0.2277 | 0.82 | 0.058814282 | count | 1 |
| MCM10 | 0.2858546 | 1.2553215 | 0.2277 | 0.82 | 0.058814282 | count | 1 |
| AL512598.1 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| BICC1 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| AC092794.1 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| AC009318.1 | 0.2858546 | 1.2553215 | 0.2277 | 0.82 | 0.058814282 | count | 1 |
| AC073610.3 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| PMEL | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| AC089984.1 | 0.2858546 | 1.2553215 | 0.2277 | 0.82 | 0.058814282 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|-------|-------------|-------|---|
| WDR66 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| AL136295.2 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| POLE2 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| AL355916.1 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| AC090515.2 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| AC068338.3 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| ZNF774 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| ADGRG3 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| ZNF19 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| AC092718.1 | 0.2858546 | 1.6004755 | 0.1786 | 0.858 | 0.058814282 | count | 1 |
| TIAF1 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| C17orf53 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| CA4 | 0.2858546 | 1.6004755 | 0.1786 | 0.858 | 0.058814282 | count | 1 |
| AC132938.3 | 0.2858546 | 1.6004755 | 0.1786 | 0.858 | 0.058814282 | count | 1 |
| AL121894.1 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| SLC25A23 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| AC011445.2 | 0.2858546 | 1.2553215 | 0.2277 | 0.82 | 0.058814282 | count | 1 |
| CLTCL1 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| AF127936.1 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| AP001505.1 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| AL354822.1 | 0.2858546 | 1.2388281 | 0.2307 | 0.818 | 0.058814282 | count | 1 |
| COA3 | 0.0420848 | 0.1061624 | 0.3964 | 0.692 | 0.0588169 | count | 1 |
| SPAG7 | 0.0425071 | 0.100226 | 0.4241 | 0.672 | 0.058909243 | count | 1 |
| AC099518.5 | 0.0538724 | 0.3530666 | 0.1526 | 0.879 | 0.059022619 | count | 1 |
| CYB5R4 | 0.0424262 | 0.1080707 | 0.3926 | 0.695 | 0.059107921 | count | 1 |
| CTCF | 0.0446053 | 0.1612508 | 0.2766 | 0.782 | 0.059112134 | count | 1 |
| BMPR2 | 0.056734 | 0.2762936 | 0.2053 | 0.837 | 0.059240145 | count | 1 |
| LTBP4 | 0.0765599 | 0.3490511 | 0.2193 | 0.826 | 0.059405287 | count | 1 |
| DBNL | 0.0424893 | 0.0897594 | 0.4734 | 0.636 | 0.059542529 | count | 1 |
| CHMP1B | 0.0415215 | 0.0782116 | 0.5309 | 0.596 | 0.059573735 | count | 1 |
| KMT5C | 0.0671271 | 0.4953763 | 0.1355 | 0.892 | 0.059937245 | count | 1 |
| YIPF3 | 0.0433268 | 0.111218 | 0.3896 | 0.697 | 0.060096863 | count | 1 |
| AC092164.1 | 0.1008545 | 0.834058 | 0.1209 | 0.904 | 0.060113102 | count | 1 |
| FAM219A | 0.0624985 | 0.5020116 | 0.1245 | 0.901 | 0.060186177 | count | 1 |
| SLC25A5 | 0.0420279 | 0.0424657 | 0.9897 | 0.322 | 0.060299091 | count | 1 |
| IGF1 | 0.044683 | 0.1589551 | 0.2811 | 0.779 | 0.060502457 | count | 1 |
| TRAK1 | 0.0518889 | 0.2506594 | 0.207 | 0.836 | 0.060550253 | count | 1 |
| APOPT1 | 0.0450368 | 0.157259 | 0.2864 | 0.775 | 0.06063396 | count | 1 |
| ZC3H10 | 0.0723324 | 0.4543641 | 0.1592 | 0.874 | 0.060772524 | count | 1 |
| FASN | 0.0761415 | 0.495645 | 0.1536 | 0.878 | 0.060833944 | count | 1 |
| PPIE | 0.0472751 | 0.1651519 | 0.2863 | 0.775 | 0.06098595 | count | 1 |
| TOMM22 | 0.0435581 | 0.0887548 | 0.4908 | 0.624 | 0.061145273 | count | 1 |
| CRK | 0.046202 | 0.1523395 | 0.3033 | 0.762 | 0.061230802 | count | 1 |
| AMOTL1 | 0.1499405 | 0.6755973 | 0.2219 | 0.824 | 0.061539767 | count | 1 |
| PLXDC1 | 0.0689353 | 0.4089017 | 0.1686 | 0.866 | 0.061565996 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|-------|-------------|-------|---|
| ZNF287 | 0.2179409 | 0.9143607 | 0.2384 | 0.812 | 0.061672455 | count | 1 |
| CCR10 | 0.2179409 | 0.9143607 | 0.2384 | 0.812 | 0.061672455 | count | 1 |
| PRR34 | 0.2179409 | 0.9143607 | 0.2384 | 0.812 | 0.061672455 | count | 1 |
| SBF1 | 0.0679323 | 0.4046486 | 0.1679 | 0.867 | 0.061731514 | count | 1 |
| TSTA3 | 0.046953 | 0.1576523 | 0.2978 | 0.766 | 0.061859991 | count | 1 |
| AC007613.1 | 0.0803045 | 0.4745272 | 0.1692 | 0.866 | 0.062346941 | count | 1 |
| MPZL1 | 0.0507967 | 0.2152944 | 0.2359 | 0.813 | 0.062577726 | count | 1 |
| DNAJC25 | 0.0572637 | 0.3423907 | 0.1672 | 0.867 | 0.062755324 | count | 1 |
| RGL2 | 0.0527936 | 0.1902737 | 0.2775 | 0.781 | 0.062789781 | count | 1 |
| AC104794.2 | 0.0584074 | 0.2801711 | 0.2085 | 0.835 | 0.062822813 | count | 1 |
| ARHGAP25 | 0.0503237 | 0.2286553 | 0.2201 | 0.826 | 0.062967733 | count | 1 |
| TFEC | 0.0460194 | 0.1188163 | 0.3873 | 0.699 | 0.063066546 | count | 1 |
| SNHG9 | 0.0489076 | 0.2629765 | 0.186 | 0.852 | 0.063095575 | count | 1 |
| SPART | 0.0472119 | 0.1452596 | 0.325 | 0.745 | 0.063213792 | count | 1 |
| DCAF5 | 0.0506957 | 0.2099008 | 0.2415 | 0.809 | 0.063334215 | count | 1 |
| RUFY1 | 0.0477031 | 0.1376033 | 0.3467 | 0.729 | 0.063359311 | count | 1 |
| DNM2 | 0.0488252 | 0.1372298 | 0.3558 | 0.722 | 0.063390241 | count | 1 |
| MUS81 | 0.0573238 | 0.2608311 | 0.2198 | 0.826 | 0.06353176 | count | 1 |
| ACVR2A | 0.0844974 | 0.398164 | 0.2122 | 0.832 | 0.0635501 | count | 1 |
| GATD3B | 0.1144438 | 0.7048654 | 0.1624 | 0.871 | 0.063728952 | count | 1 |
| PHF11 | 0.0468112 | 0.1257771 | 0.3722 | 0.71 | 0.063839939 | count | 1 |
| PPP2R5B | 0.0570455 | 0.4995736 | 0.1142 | 0.909 | 0.06388004 | count | 1 |
| MUT | 0.0641257 | 0.3715045 | 0.1726 | 0.863 | 0.06396354 | count | 1 |
| LCP1 | 0.0446304 | 0.0422356 | 1.0567 | 0.291 | 0.06399194 | count | 1 |
| VRK1 | 0.0544891 | 0.2579326 | 0.2113 | 0.833 | 0.064024194 | count | 1 |
| TM9SF2 | 0.0458773 | 0.0967023 | 0.4744 | 0.635 | 0.064149101 | count | 1 |
| CD19 | 0.1382858 | 0.7998261 | 0.1729 | 0.863 | 0.064270178 | count | 1 |
| TOMM7 | 0.0450381 | 0.0452383 | 0.9956 | 0.32 | 0.06432003 | count | 1 |
| C17orf51 | 0.0966457 | 0.5406286 | 0.1788 | 0.858 | 0.064435129 | count | 1 |
| ZNF583 | 0.0786631 | 0.4959414 | 0.1586 | 0.874 | 0.064565948 | count | 1 |
| LINC02470 | 0.0926328 | 0.734747 | 0.1261 | 0.9 | 0.064612588 | count | 1 |
| TOMM20 | 0.0453771 | 0.0547071 | 0.8295 | 0.407 | 0.064619299 | count | 1 |
| TP53I13 | 0.0480939 | 0.1575175 | 0.3053 | 0.76 | 0.064632394 | count | 1 |
| BCL3 | 0.0471392 | 0.1315334 | 0.3584 | 0.72 | 0.064653964 | count | 1 |
| STK11IP | 0.0725307 | 0.586268 | 0.1237 | 0.902 | 0.064806751 | count | 1 |
| CCR1 | 0.0468702 | 0.119483 | 0.3923 | 0.695 | 0.06517392 | count | 1 |
| CCDC174 | 0.0489831 | 0.1843702 | 0.2657 | 0.791 | 0.065322355 | count | 1 |
| IMMP1L | 0.0616002 | 0.3458178 | 0.1781 | 0.859 | 0.065351986 | count | 1 |
| GABARAPL1 | 0.0463108 | 0.0843855 | 0.5488 | 0.583 | 0.065409055 | count | 1 |
| AC109587.1 | 0.3157495 | 0.7642442 | 0.4132 | 0.68 | 0.065499718 | count | 1 |
| TEN1 | 0.0521253 | 0.2128261 | 0.2449 | 0.807 | 0.065523477 | count | 1 |
| SCAMP2 | 0.0463271 | 0.0698932 | 0.6628 | 0.508 | 0.065529039 | count | 1 |
| MAP2K6 | 0.0942484 | 0.3581792 | 0.2631 | 0.792 | 0.06575778 | count | 1 |
| ABCD3 | 0.0646409 | 0.2911826 | 0.222 | 0.824 | 0.065790515 | count | 1 |
| NDUFS3 | 0.0474932 | 0.1127921 | 0.4211 | 0.674 | 0.065847867 | count | 1 |

| | | | | | | | |
|----------|-----------|-----------|--------|--------|-------------|-------|---|
| ERCC6 | 0.057982 | 0.299041 | 0.1939 | 0.846 | 0.065854206 | count | 1 |
| MT-CO2 | 0.045704 | 0.0268105 | 1.7047 | 0.0884 | 0.065892341 | count | 1 |
| TRNP1 | 0.2321488 | 0.641994 | 0.3616 | 0.718 | 0.065937375 | count | 1 |
| TSSC4 | 0.0490529 | 0.1461629 | 0.3356 | 0.737 | 0.066022534 | count | 1 |
| LRRC45 | 0.0878434 | 0.4628119 | 0.1898 | 0.849 | 0.066101935 | count | 1 |
| CLEC14A | 0.0850962 | 1.1679758 | 0.0729 | 0.942 | 0.066115978 | count | 1 |
| MRPS15 | 0.0477153 | 0.1080758 | 0.4415 | 0.659 | 0.06622638 | count | 1 |
| TECR | 0.0476048 | 0.1005655 | 0.4734 | 0.636 | 0.066236693 | count | 1 |
| NBPF1 | 0.0807856 | 0.4439874 | 0.182 | 0.856 | 0.066328347 | count | 1 |
| TASP1 | 0.0807856 | 0.3694289 | 0.2187 | 0.827 | 0.066328347 | count | 1 |
| ZUP1 | 0.0575276 | 0.2401332 | 0.2396 | 0.811 | 0.066423088 | count | 1 |
| C9orf16 | 0.0470908 | 0.0682255 | 0.6902 | 0.49 | 0.066838925 | count | 1 |
| VAMP3 | 0.047683 | 0.0838858 | 0.5684 | 0.57 | 0.066930452 | count | 1 |
| NTHL1 | 0.0622807 | 0.4594818 | 0.1355 | 0.892 | 0.067011051 | count | 1 |
| PLEKHJ1 | 0.0490826 | 0.1348815 | 0.3639 | 0.716 | 0.067081445 | count | 1 |
| ITPA | 0.0492212 | 0.1401222 | 0.3513 | 0.725 | 0.067255831 | count | 1 |
| NDC1 | 0.0965618 | 0.4653962 | 0.2075 | 0.836 | 0.06739867 | count | 1 |
| CHPT1 | 0.0500084 | 0.1216156 | 0.4112 | 0.681 | 0.067407742 | count | 1 |
| UGP2 | 0.0488928 | 0.1160196 | 0.4214 | 0.673 | 0.067488371 | count | 1 |
| ZMYM2 | 0.0499313 | 0.1354085 | 0.3687 | 0.712 | 0.067531189 | count | 1 |
| DMAP1 | 0.0540084 | 0.1925208 | 0.2805 | 0.779 | 0.067589315 | count | 1 |
| ERO1B | 0.0548727 | 0.2012144 | 0.2727 | 0.785 | 0.067612558 | count | 1 |
| PCSK7 | 0.055447 | 0.2048485 | 0.2707 | 0.787 | 0.06762729 | count | 1 |
| EZR | 0.0475198 | 0.0799168 | 0.5946 | 0.552 | 0.067713082 | count | 1 |
| CCNG2 | 0.0615373 | 0.215501 | 0.2856 | 0.775 | 0.067849868 | count | 1 |
| THAP7 | 0.0567531 | 0.2323859 | 0.2442 | 0.807 | 0.067892799 | count | 1 |
| BTBD3 | 0.0826883 | 0.5784471 | 0.1429 | 0.886 | 0.067909123 | count | 1 |
| YIPF6 | 0.0513653 | 0.1970317 | 0.2607 | 0.794 | 0.068300877 | count | 1 |
| FERMT3 | 0.0482832 | 0.0669343 | 0.7214 | 0.471 | 0.068312948 | count | 1 |
| ENDOD1 | 0.0607354 | 0.4995617 | 0.1216 | 0.903 | 0.06836312 | count | 1 |
| NEK10 | 0.5698047 | 0.7619191 | 0.7479 | 0.455 | 0.068482648 | count | 1 |
| ACSL4 | 0.0498162 | 0.1338194 | 0.3723 | 0.71 | 0.068711433 | count | 1 |
| LMF2 | 0.0550802 | 0.1923636 | 0.2863 | 0.775 | 0.069040289 | count | 1 |
| ADPGK | 0.050102 | 0.117468 | 0.4265 | 0.67 | 0.069062422 | count | 1 |
| DDX43 | 0.5740714 | 0.6197715 | 0.9263 | 0.354 | 0.069075036 | count | 1 |
| ZNF668 | 0.0599213 | 0.2563214 | 0.2338 | 0.815 | 0.069198002 | count | 1 |
| EXOC8 | 0.0613175 | 0.3351106 | 0.183 | 0.855 | 0.069345518 | count | 1 |
| FRMD8 | 0.0616453 | 0.2575569 | 0.2393 | 0.811 | 0.069391939 | count | 1 |
| SFT2D2 | 0.0518177 | 0.1834898 | 0.2824 | 0.778 | 0.069475914 | count | 1 |
| SLC35E4 | 0.0633654 | 0.3368187 | 0.1881 | 0.851 | 0.069476297 | count | 1 |
| TAP1 | 0.0541464 | 0.1241251 | 0.4362 | 0.663 | 0.069660863 | count | 1 |
| GTF2F2 | 0.0514425 | 0.146404 | 0.3514 | 0.725 | 0.069664783 | count | 1 |
| CASP3 | 0.0545815 | 0.204754 | 0.2666 | 0.79 | 0.069773133 | count | 1 |
| TBL2 | 0.0556353 | 0.2352954 | 0.2364 | 0.813 | 0.069946267 | count | 1 |
| KIAA1614 | 0.2456156 | 0.9812744 | 0.2503 | 0.802 | 0.070007011 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|--------|-------------|-------|---|
| TAS2R4 | 0.2456156 | 0.9857669 | 0.2492 | 0.803 | 0.070007011 | count | 1 |
| EIF2AK2 | 0.0501796 | 0.1219396 | 0.4115 | 0.681 | 0.070040036 | count | 1 |
| ELP6 | 0.0602259 | 0.2375813 | 0.2535 | 0.8 | 0.070068951 | count | 1 |
| ABHD16A | 0.2459551 | 0.7652815 | 0.3214 | 0.748 | 0.070109947 | count | 1 |
| CNN2 | 0.0509937 | 0.1216823 | 0.4191 | 0.675 | 0.070139874 | count | 1 |
| NDUFA3 | 0.0497339 | 0.0793337 | 0.6269 | 0.531 | 0.070238193 | count | 1 |
| HNRNPUL2 | 0.0606693 | 0.2765462 | 0.2194 | 0.826 | 0.070330027 | count | 1 |
| DDX5 | 0.0490371 | 0.034899 | 1.4051 | 0.16 | 0.070339197 | count | 1 |
| STXBP5 | 0.1008217 | 0.4096792 | 0.2461 | 0.806 | 0.070423497 | count | 1 |
| CEP76 | 0.1520492 | 0.5962727 | 0.255 | 0.799 | 0.070884691 | count | 1 |
| GSDMD | 0.0529124 | 0.1122835 | 0.4712 | 0.638 | 0.07091604 | count | 1 |
| ROMO1 | 0.0507128 | 0.0903475 | 0.5613 | 0.575 | 0.071117145 | count | 1 |
| METTL26 | 0.0504989 | 0.0880704 | 0.5734 | 0.566 | 0.071168699 | count | 1 |
| AL355388.2 | 0.589203 | 0.977433 | 0.6028 | 0.547 | 0.071184989 | count | 1 |
| SLC25A26 | 0.0583673 | 0.2218067 | 0.2631 | 0.792 | 0.071199866 | count | 1 |
| TTC23 | 0.5894214 | 0.7813198 | 0.7544 | 0.451 | 0.071215541 | count | 1 |
| AC005224.3 | 0.2019966 | 0.546039 | 0.3699 | 0.711 | 0.071246995 | count | 1 |
| SS18L2 | 0.0517718 | 0.1439852 | 0.3596 | 0.719 | 0.071388533 | count | 1 |
| DHX33 | 0.0869085 | 0.421417 | 0.2062 | 0.837 | 0.071418286 | count | 1 |
| EHD1 | 0.0538278 | 0.1701172 | 0.3164 | 0.752 | 0.071429848 | count | 1 |
| C6orf62 | 0.0514811 | 0.0985964 | 0.5221 | 0.602 | 0.071488988 | count | 1 |
| SNIP1 | 0.0610351 | 0.2677227 | 0.228 | 0.82 | 0.071508342 | count | 1 |
| CACNA2D4 | 0.0549273 | 0.2171966 | 0.2529 | 0.8 | 0.071620469 | count | 1 |
| L3MBTL2 | 0.0642486 | 0.2933567 | 0.219 | 0.827 | 0.071621351 | count | 1 |
| RGS9 | 0.0725966 | 0.4418647 | 0.1643 | 0.87 | 0.071687805 | count | 1 |
| TLE1 | 0.1130626 | 0.3787313 | 0.2985 | 0.765 | 0.071753103 | count | 1 |
| UBE2K | 0.0521052 | 0.1188868 | 0.4383 | 0.661 | 0.071814355 | count | 1 |
| DPYSL2 | 0.0518853 | 0.0863959 | 0.6006 | 0.548 | 0.071906195 | count | 1 |
| RPL12 | 0.05005 | 0.0234715 | 2.1324 | 0.0331 | 0.072152653 | count | 1 |
| LMOD3 | 0.0992327 | 0.5548045 | 0.1789 | 0.858 | 0.072158099 | count | 1 |
| MAZ | 0.0523811 | 0.1166864 | 0.4489 | 0.654 | 0.072194914 | count | 1 |
| AL121658.1 | 0.2046005 | 0.7131707 | 0.2869 | 0.774 | 0.072211679 | count | 1 |
| TRAPPC10 | 0.0528002 | 0.142601 | 0.3703 | 0.711 | 0.072246558 | count | 1 |
| ETV5 | 0.0544226 | 0.1476249 | 0.3687 | 0.712 | 0.072371998 | count | 1 |
| IKBKB | 0.0629866 | 0.2320446 | 0.2714 | 0.786 | 0.072469437 | count | 1 |
| NPRL3 | 0.0613493 | 0.4026648 | 0.1524 | 0.879 | 0.072571195 | count | 1 |
| VPS33A | 0.0737065 | 0.3251873 | 0.2267 | 0.821 | 0.072792317 | count | 1 |
| ZSCAN32 | 0.0787569 | 0.4973173 | 0.1584 | 0.874 | 0.07283313 | count | 1 |
| EBAG9 | 0.0554612 | 0.2124024 | 0.2611 | 0.794 | 0.073087518 | count | 1 |
| RBM14 | 0.0675149 | 0.2972041 | 0.2272 | 0.82 | 0.073151267 | count | 1 |
| CTNNA1 | 0.0528591 | 0.1058394 | 0.4994 | 0.618 | 0.073153146 | count | 1 |
| MED10 | 0.0529907 | 0.113112 | 0.4685 | 0.639 | 0.073234624 | count | 1 |
| LIMA1 | 0.059182 | 0.2195585 | 0.2696 | 0.788 | 0.073343613 | count | 1 |
| SPRED2 | 0.0892962 | 0.4287975 | 0.2082 | 0.835 | 0.073405512 | count | 1 |
| ZYX | 0.0518022 | 0.0793629 | 0.6527 | 0.514 | 0.073423758 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|-------|-------------|-------|---|
| TPR | 0.0520952 | 0.0849838 | 0.613 | 0.54 | 0.073464478 | count | 1 |
| EPC2 | 0.0646693 | 0.2094839 | 0.3087 | 0.758 | 0.07348439 | count | 1 |
| C12orf10 | 0.0536068 | 0.1377449 | 0.3892 | 0.697 | 0.073762731 | count | 1 |
| PPA2 | 0.0553119 | 0.1476845 | 0.3745 | 0.708 | 0.073774073 | count | 1 |
| CDK2AP2 | 0.0527815 | 0.1016335 | 0.5193 | 0.604 | 0.073791622 | count | 1 |
| PTPN12 | 0.0525119 | 0.1078608 | 0.4868 | 0.626 | 0.073816753 | count | 1 |
| PRMT5-AS1 | 0.3527055 | 0.6864161 | 0.5138 | 0.607 | 0.073901592 | count | 1 |
| MAP2K2 | 0.0522998 | 0.0826801 | 0.6326 | 0.527 | 0.073903473 | count | 1 |
| TEF | 0.2586483 | 0.5771103 | 0.4482 | 0.654 | 0.073970557 | count | 1 |
| TCF25 | 0.0520139 | 0.0773268 | 0.6726 | 0.501 | 0.073975384 | count | 1 |
| TBL3 | 0.0777434 | 0.3962668 | 0.1962 | 0.844 | 0.074012949 | count | 1 |
| RFPL1S | 0.3539828 | 0.809975 | 0.437 | 0.662 | 0.074194684 | count | 1 |
| ATP5F1A | 0.0526603 | 0.0675108 | 0.78 | 0.435 | 0.074279306 | count | 1 |
| C10orf143 | 0.0883203 | 0.6254893 | 0.1412 | 0.888 | 0.074370657 | count | 1 |
| PPAN | 0.0598275 | 0.2497721 | 0.2395 | 0.811 | 0.074404794 | count | 1 |
| PDIA4 | 0.0540432 | 0.1228948 | 0.4398 | 0.66 | 0.074439067 | count | 1 |
| RNF5 | 0.0543437 | 0.1316938 | 0.4127 | 0.68 | 0.07461589 | count | 1 |
| USP6NL | 0.0637279 | 0.3152865 | 0.2021 | 0.84 | 0.074675833 | count | 1 |
| GLTP | 0.0541188 | 0.1252598 | 0.4321 | 0.666 | 0.074718801 | count | 1 |
| TLR10 | 0.1118554 | 0.6001455 | 0.1864 | 0.852 | 0.074778424 | count | 1 |
| UFSP1 | 0.1118554 | 0.6432129 | 0.1739 | 0.862 | 0.074778424 | count | 1 |
| TSR3 | 0.0545584 | 0.1251022 | 0.4361 | 0.663 | 0.074938988 | count | 1 |
| SLC43A2 | 0.0532429 | 0.1122491 | 0.4743 | 0.635 | 0.075046874 | count | 1 |
| TMEM248 | 0.0549942 | 0.1231059 | 0.4467 | 0.655 | 0.075082507 | count | 1 |
| MGST2 | 0.0534803 | 0.0846912 | 0.6315 | 0.528 | 0.075209384 | count | 1 |
| THOP1 | 0.0780292 | 0.4086841 | 0.1909 | 0.849 | 0.075271921 | count | 1 |
| FAM3C | 0.0587042 | 0.1818827 | 0.3228 | 0.747 | 0.075302257 | count | 1 |
| AK9 | 0.1827887 | 0.4915549 | 0.3719 | 0.71 | 0.075602379 | count | 1 |
| PGAP3 | 0.1191889 | 0.4922964 | 0.2421 | 0.809 | 0.075726998 | count | 1 |
| ATG2B | 0.0795583 | 0.4031865 | 0.1973 | 0.844 | 0.075756335 | count | 1 |
| MFN1 | 0.0659017 | 0.2723384 | 0.242 | 0.809 | 0.075838359 | count | 1 |
| SLC15A2 | 0.1833832 | 0.5892808 | 0.3112 | 0.756 | 0.075858775 | count | 1 |
| C9orf64 | 0.0786482 | 0.3080564 | 0.2553 | 0.799 | 0.075874232 | count | 1 |
| FIP1L1 | 0.0582048 | 0.1718935 | 0.3386 | 0.735 | 0.075902047 | count | 1 |
| EI24 | 0.0605594 | 0.2320117 | 0.261 | 0.794 | 0.075926434 | count | 1 |
| C3orf14 | 0.0693645 | 0.2657548 | 0.261 | 0.794 | 0.076090504 | count | 1 |
| AL359541.1 | 0.6245294 | 0.9328551 | 0.6695 | 0.503 | 0.076165527 | count | 1 |
| NDUFB2-AS1 | 0.6245294 | 0.9328551 | 0.6695 | 0.503 | 0.076165527 | count | 1 |
| OR52K1 | 0.6245294 | 0.9946242 | 0.6279 | 0.53 | 0.076165527 | count | 1 |
| FAM241B | 0.6245294 | 0.9328551 | 0.6695 | 0.503 | 0.076165527 | count | 1 |
| NUDT13 | 0.6245294 | 0.9328551 | 0.6695 | 0.503 | 0.076165527 | count | 1 |
| TSPAN9 | 0.6245294 | 0.9963512 | 0.6268 | 0.531 | 0.076165527 | count | 1 |
| ARHGAP11A | 0.6245294 | 0.9328551 | 0.6695 | 0.503 | 0.076165527 | count | 1 |
| ZNF517 | 0.1841472 | 0.5397034 | 0.3412 | 0.733 | 0.076188372 | count | 1 |
| RBBP7 | 0.0570462 | 0.1518127 | 0.3758 | 0.707 | 0.076231729 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|--------|-------------|-------|---|
| LINC02001 | 0.0613939 | 0.2060373 | 0.298 | 0.766 | 0.076486992 | count | 1 |
| HSPA13 | 0.0607984 | 0.2595226 | 0.2343 | 0.815 | 0.076564844 | count | 1 |
| BRMS1 | 0.0556902 | 0.1545651 | 0.3603 | 0.719 | 0.076591888 | count | 1 |
| COQ5 | 0.0645663 | 0.2991085 | 0.2159 | 0.829 | 0.076621147 | count | 1 |
| AL356599.1 | 0.1851653 | 0.6525907 | 0.2837 | 0.777 | 0.076627763 | count | 1 |
| IL2RG | 0.0577189 | 0.1607706 | 0.359 | 0.72 | 0.076762084 | count | 1 |
| GAB1 | 0.1208945 | 0.397293 | 0.3043 | 0.761 | 0.076834894 | count | 1 |
| LPCAT2 | 0.0550447 | 0.0907384 | 0.6066 | 0.544 | 0.076853936 | count | 1 |
| ZNF841 | 0.0987788 | 0.7386827 | 0.1337 | 0.894 | 0.076907976 | count | 1 |
| TRNAU1AP | 0.0566553 | 0.1666029 | 0.3401 | 0.734 | 0.076914276 | count | 1 |
| TRIP4 | 0.0634692 | 0.2644674 | 0.24 | 0.81 | 0.076920457 | count | 1 |
| KLHDC2 | 0.0603022 | 0.2015277 | 0.2992 | 0.765 | 0.076926115 | count | 1 |
| AC011815.2 | 0.6300557 | 0.9206596 | 0.6844 | 0.494 | 0.076951517 | count | 1 |
| MCEMP1 | 0.0552956 | 0.1594405 | 0.3468 | 0.729 | 0.076959993 | count | 1 |
| TBCA | 0.0539487 | 0.0551927 | 0.9775 | 0.3284 | 0.077027864 | count | 1 |
| AP001056.2 | 0.0962678 | 0.56854 | 0.1693 | 0.866 | 0.077144227 | count | 1 |
| RUFY4 | 0.269181 | 0.7812011 | 0.3446 | 0.73 | 0.077191769 | count | 1 |
| VASP | 0.0545746 | 0.062275 | 0.8763 | 0.381 | 0.07753295 | count | 1 |
| NFKBIA | 0.0539953 | 0.0605423 | 0.8919 | 0.373 | 0.077804931 | count | 1 |
| PCCB | 0.0687915 | 0.3371919 | 0.204 | 0.838 | 0.077839997 | count | 1 |
| DSTYK | 0.0683239 | 0.3444896 | 0.1983 | 0.843 | 0.077994941 | count | 1 |
| DNAJB14 | 0.0583959 | 0.1589009 | 0.3675 | 0.713 | 0.078107728 | count | 1 |
| DYNLT3 | 0.0567516 | 0.1459104 | 0.3889 | 0.697 | 0.078172817 | count | 1 |
| AL451085.2 | 0.1118127 | 0.9356027 | 0.1195 | 0.905 | 0.07824751 | count | 1 |
| SPRYD4 | 0.0859192 | 0.451762 | 0.1902 | 0.849 | 0.078249953 | count | 1 |
| SP100 | 0.0554715 | 0.0772023 | 0.7185 | 0.473 | 0.078293853 | count | 1 |
| CDC40 | 0.0559603 | 0.0956064 | 0.5853 | 0.558 | 0.078378532 | count | 1 |
| C18orf21 | 0.0666727 | 0.2358474 | 0.2827 | 0.777 | 0.078398988 | count | 1 |
| RAD17 | 0.0769369 | 0.3174954 | 0.2423 | 0.809 | 0.078399799 | count | 1 |
| POLR2E | 0.0556923 | 0.0768351 | 0.7248 | 0.469 | 0.078766571 | count | 1 |
| GNE | 0.0960432 | 0.4459759 | 0.2154 | 0.83 | 0.079027966 | count | 1 |
| MPP5 | 0.0800772 | 0.3583333 | 0.2235 | 0.823 | 0.079136919 | count | 1 |
| CSNK2A2 | 0.0587893 | 0.1693343 | 0.3472 | 0.728 | 0.079173553 | count | 1 |
| DLEU2 | 0.0613254 | 0.2063628 | 0.2972 | 0.766 | 0.079299709 | count | 1 |
| ZDHHC3 | 0.0590024 | 0.1474161 | 0.4002 | 0.689 | 0.079372443 | count | 1 |
| RIPK3 | 0.074741 | 0.4589182 | 0.1629 | 0.871 | 0.079385134 | count | 1 |
| RAB23 | 0.2242968 | 0.9246107 | 0.2426 | 0.808 | 0.07954621 | count | 1 |
| ARL6IP4 | 0.0556574 | 0.0509379 | 1.0927 | 0.2747 | 0.079548318 | count | 1 |
| NBAS | 0.0683441 | 0.2356563 | 0.29 | 0.772 | 0.079555644 | count | 1 |
| RFNG | 0.0612508 | 0.2145179 | 0.2855 | 0.775 | 0.079622852 | count | 1 |
| CDKN2C | 0.0825103 | 0.3478984 | 0.2372 | 0.813 | 0.079633992 | count | 1 |
| COPG2 | 0.1097632 | 0.448347 | 0.2448 | 0.807 | 0.079953661 | count | 1 |
| IDUA | 0.0785453 | 0.298987 | 0.2627 | 0.793 | 0.080051356 | count | 1 |
| MMP14 | 0.0771866 | 0.2413619 | 0.3198 | 0.749 | 0.080081257 | count | 1 |
| ADHFE1 | 0.3797529 | 0.5416499 | 0.7011 | 0.483 | 0.080146202 | count | 1 |

| | | | | | | | |
|--------------|-----------|-----------|--------|--------|-------------|-------|---|
| CDKN2AIPNL | 0.0723008 | 0.2755385 | 0.2624 | 0.793 | 0.080223565 | count | 1 |
| TRG-AS1 | 0.0895952 | 0.3785361 | 0.2367 | 0.813 | 0.080227205 | count | 1 |
| FLYWCH2 | 0.0596573 | 0.1953389 | 0.3054 | 0.76 | 0.080254625 | count | 1 |
| CLCN5 | 0.1263332 | 0.3657619 | 0.3454 | 0.73 | 0.080372133 | count | 1 |
| RPP25L | 0.0626885 | 0.2213974 | 0.2831 | 0.777 | 0.08042493 | count | 1 |
| EPB41L2 | 0.0611277 | 0.1418465 | 0.4309 | 0.667 | 0.080861265 | count | 1 |
| ZGLP1 | 0.0635872 | 0.2189005 | 0.2905 | 0.771 | 0.080934005 | count | 1 |
| MTFMT | 0.0720206 | 0.320061 | 0.225 | 0.822 | 0.081132676 | count | 1 |
| PPFIBP2 | 0.0796054 | 0.3261804 | 0.2441 | 0.807 | 0.081140176 | count | 1 |
| SNU13 | 0.0569988 | 0.0560283 | 1.0173 | 0.309 | 0.081148546 | count | 1 |
| ZNF639 | 0.0679931 | 0.2673783 | 0.2543 | 0.799 | 0.081168229 | count | 1 |
| HDAC10 | 0.0804346 | 0.3503941 | 0.2296 | 0.818 | 0.081197881 | count | 1 |
| RPTOR | 0.1012677 | 0.5870004 | 0.1725 | 0.863 | 0.081210686 | count | 1 |
| PAIP2 | 0.0572346 | 0.0668753 | 0.8558 | 0.392 | 0.081215837 | count | 1 |
| NOP53 | 0.0576042 | 0.0712926 | 0.808 | 0.419 | 0.08144904 | count | 1 |
| RAB11A | 0.0584634 | 0.1001462 | 0.5838 | 0.559 | 0.081450602 | count | 1 |
| DHODH | 0.0896635 | 0.3931625 | 0.2281 | 0.82 | 0.081697461 | count | 1 |
| LINC00847 | 0.0635108 | 0.2182571 | 0.291 | 0.771 | 0.081977397 | count | 1 |
| MBOAT2 | 0.2848397 | 0.4894117 | 0.582 | 0.561 | 0.082010247 | count | 1 |
| SERINC2 | 0.1054094 | 0.3305203 | 0.3189 | 0.75 | 0.082153452 | count | 1 |
| MORC4 | 0.198217 | 0.4705715 | 0.4212 | 0.674 | 0.082277906 | count | 1 |
| THAP3 | 0.087558 | 0.3366175 | 0.2601 | 0.795 | 0.082285645 | count | 1 |
| APTX | 0.0691427 | 0.2586849 | 0.2673 | 0.789 | 0.082313299 | count | 1 |
| AIMP1 | 0.0595867 | 0.1029959 | 0.5785 | 0.563 | 0.082415549 | count | 1 |
| COX7A2L | 0.0584304 | 0.0714016 | 0.8183 | 0.413 | 0.082486993 | count | 1 |
| MYLIP | 0.0635131 | 0.1540908 | 0.4122 | 0.68 | 0.082838427 | count | 1 |
| AC009779.2 | 0.0830004 | 0.346916 | 0.2393 | 0.811 | 0.082951178 | count | 1 |
| ARMCX5 | 0.0984054 | 0.4109111 | 0.2395 | 0.811 | 0.082978307 | count | 1 |
| SLC16A5 | 0.0822549 | 0.3459015 | 0.2378 | 0.812 | 0.083050529 | count | 1 |
| RNF103 | 0.0884065 | 0.3476537 | 0.2543 | 0.799 | 0.083091202 | count | 1 |
| MTPN | 0.0582386 | 0.0535355 | 1.0879 | 0.2768 | 0.083125018 | count | 1 |
| BAG6 | 0.0632632 | 0.178158 | 0.3551 | 0.723 | 0.083226972 | count | 1 |
| GCN1 | 0.138788 | 0.4653248 | 0.2983 | 0.766 | 0.083333339 | count | 1 |
| UCKL1-AS1 | 0.6746252 | 0.6264392 | 1.0769 | 0.282 | 0.083357271 | count | 1 |
| NFYA | 0.1013653 | 0.3566477 | 0.2842 | 0.776 | 0.083470362 | count | 1 |
| MCTP1 | 0.0655042 | 0.1404406 | 0.4664 | 0.641 | 0.08348049 | count | 1 |
| PPIAL4G | 0.3940779 | 1.0300171 | 0.3826 | 0.702 | 0.083485917 | count | 1 |
| ANKRD33 | 0.3940779 | 0.9313036 | 0.4231 | 0.672 | 0.083485917 | count | 1 |
| SMU1 | 0.060781 | 0.1276875 | 0.476 | 0.634 | 0.083585235 | count | 1 |
| EPB41L4A-AS1 | 0.0669937 | 0.1843673 | 0.3634 | 0.716 | 0.083621936 | count | 1 |
| ZRANB3 | 0.2352118 | 0.6948293 | 0.3385 | 0.735 | 0.083639079 | count | 1 |
| AC096992.2 | 0.2352118 | 0.6948293 | 0.3385 | 0.735 | 0.083639079 | count | 1 |
| AC020917.3 | 0.2352118 | 0.6956914 | 0.3381 | 0.735 | 0.083639079 | count | 1 |
| ECT2 | 0.0846131 | 0.4263763 | 0.1984 | 0.843 | 0.083659233 | count | 1 |
| FHOD1 | 0.0793302 | 0.2878079 | 0.2756 | 0.783 | 0.083663613 | count | 1 |

| | | | | | | | |
|-------------|-----------|-----------|--------|--------|-------------|-------|---|
| PET100 | 0.0598062 | 0.0973659 | 0.6142 | 0.539 | 0.083912079 | count | 1 |
| PLCL1 | 0.1198165 | 0.4720766 | 0.2538 | 0.8 | 0.083962776 | count | 1 |
| CD74 | 0.0582529 | 0.0436891 | 1.3333 | 0.183 | 0.084019559 | count | 1 |
| MBNL3 | 0.1047243 | 0.3491503 | 0.2999 | 0.764 | 0.084025328 | count | 1 |
| SLC35C1 | 0.0775605 | 0.3619598 | 0.2143 | 0.83 | 0.08410545 | count | 1 |
| RBM22 | 0.0612155 | 0.1209213 | 0.5062 | 0.613 | 0.084107358 | count | 1 |
| IRF7 | 0.0599918 | 0.1056859 | 0.5676 | 0.57 | 0.084157424 | count | 1 |
| AC118549.1 | 0.0701237 | 0.2348776 | 0.2986 | 0.765 | 0.08417549 | count | 1 |
| RAB8B | 0.0597973 | 0.09951 | 0.6009 | 0.548 | 0.084257615 | count | 1 |
| FAM241A | 0.0659346 | 0.2247765 | 0.2933 | 0.769 | 0.084322481 | count | 1 |
| ZNF35 | 0.0958783 | 0.4184449 | 0.2291 | 0.819 | 0.084324181 | count | 1 |
| PHF5A | 0.0611313 | 0.1340714 | 0.456 | 0.648 | 0.084345329 | count | 1 |
| SGO2 | 0.0960177 | 0.3578252 | 0.2683 | 0.788 | 0.084448304 | count | 1 |
| FGF7 | 0.682572 | 0.7952283 | 0.8583 | 0.391 | 0.084511741 | count | 1 |
| TMEM159 | 0.0685601 | 0.2212593 | 0.3099 | 0.757 | 0.08453403 | count | 1 |
| ATXN7L3 | 0.0679256 | 0.2639015 | 0.2574 | 0.797 | 0.084649561 | count | 1 |
| AC005726.1 | 0.1805807 | 0.7527307 | 0.2399 | 0.81 | 0.084719352 | count | 1 |
| ZNF570 | 0.1805807 | 0.5848386 | 0.3088 | 0.758 | 0.084719352 | count | 1 |
| RBAK-RBAKDN | 0.0752769 | 0.2796964 | 0.2691 | 0.788 | 0.084821079 | count | 1 |
| TAF1B | 0.0692293 | 0.2258276 | 0.3066 | 0.759 | 0.084855147 | count | 1 |
| ZNF785 | 0.108874 | 0.9980141 | 0.1091 | 0.913 | 0.084898348 | count | 1 |
| PRICKLE3 | 0.1809854 | 0.7499493 | 0.2413 | 0.809 | 0.084916775 | count | 1 |
| RAB30-AS1 | 0.0645785 | 0.1970188 | 0.3278 | 0.743 | 0.084960614 | count | 1 |
| RPS25 | 0.0590522 | 0.0249632 | 2.3656 | 0.0181 | 0.085042062 | count | 1 |
| VPS37C | 0.0716894 | 0.307463 | 0.2332 | 0.816 | 0.085109947 | count | 1 |
| AGAP9 | 0.239239 | 0.5586199 | 0.4283 | 0.668 | 0.085154269 | count | 1 |
| TSN | 0.0674133 | 0.1939095 | 0.3477 | 0.728 | 0.085156325 | count | 1 |
| TIGD6 | 0.1815423 | 0.6545851 | 0.2773 | 0.782 | 0.085188493 | count | 1 |
| RPL4 | 0.0596052 | 0.040404 | 1.4752 | 0.14 | 0.085320492 | count | 1 |
| PACS2 | 0.0719131 | 0.3016495 | 0.2384 | 0.812 | 0.085376648 | count | 1 |
| TPT1 | 0.0592207 | 0.0251986 | 2.3502 | 0.0188 | 0.085394479 | count | 1 |
| METTLL18 | 0.1823572 | 0.6378222 | 0.2859 | 0.775 | 0.085586209 | count | 1 |
| AL645933.2 | 0.1424743 | 0.4864943 | 0.2929 | 0.77 | 0.085607194 | count | 1 |
| WDFY4 | 0.0702192 | 0.2752415 | 0.2551 | 0.799 | 0.085709736 | count | 1 |
| AKT1S1 | 0.0768237 | 0.3013991 | 0.2549 | 0.799 | 0.085720947 | count | 1 |
| MEG3 | 0.6909624 | 0.9187214 | 0.7521 | 0.452 | 0.085734717 | count | 1 |
| CYP1B1-AS1 | 0.2062835 | 0.5725001 | 0.3603 | 0.719 | 0.085785951 | count | 1 |
| CUTC | 0.0661227 | 0.2379201 | 0.2779 | 0.781 | 0.085823667 | count | 1 |
| TBC1D23 | 0.0689663 | 0.2058332 | 0.3351 | 0.738 | 0.086091759 | count | 1 |
| NUP58 | 0.0665375 | 0.1451411 | 0.4584 | 0.647 | 0.086133852 | count | 1 |
| MOB1A | 0.0606184 | 0.0587857 | 1.0312 | 0.303 | 0.086190201 | count | 1 |
| RPL7 | 0.0599744 | 0.0317866 | 1.8868 | 0.0593 | 0.08623282 | count | 1 |
| NDUFB4 | 0.0606339 | 0.0605974 | 1.0006 | 0.317 | 0.086374394 | count | 1 |
| UBL4A | 0.0671776 | 0.3313868 | 0.2027 | 0.839 | 0.086378622 | count | 1 |
| ZNF34 | 0.1024347 | 0.4408896 | 0.2323 | 0.816 | 0.086423759 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|-------|-------------|-------|---|
| TACC1 | 0.0615156 | 0.0798527 | 0.7704 | 0.441 | 0.086570257 | count | 1 |
| ZNRF1 | 0.0775831 | 0.2990737 | 0.2594 | 0.795 | 0.08657324 | count | 1 |
| FMNL3 | 0.0685657 | 0.2357953 | 0.2908 | 0.771 | 0.086616162 | count | 1 |
| SMARCA4 | 0.0665503 | 0.2393171 | 0.2781 | 0.781 | 0.086669715 | count | 1 |
| ARNTL | 0.0859147 | 0.3429047 | 0.2505 | 0.802 | 0.086777327 | count | 1 |
| TMEM191B | 0.1239355 | 0.4523828 | 0.274 | 0.784 | 0.086909821 | count | 1 |
| IDH3G | 0.0622202 | 0.0914711 | 0.6802 | 0.496 | 0.086921464 | count | 1 |
| WEE1 | 0.1446039 | 0.5848581 | 0.2472 | 0.805 | 0.0869222 | count | 1 |
| WDR25 | 0.0823995 | 0.3240016 | 0.2543 | 0.799 | 0.086924376 | count | 1 |
| FCGR1B | 0.0629166 | 0.1109755 | 0.5669 | 0.571 | 0.087129527 | count | 1 |
| FKRP | 0.1450165 | 0.434364 | 0.3339 | 0.739 | 0.087177095 | count | 1 |
| RECQL | 0.0659221 | 0.1321668 | 0.4988 | 0.618 | 0.08741231 | count | 1 |
| MANEA | 0.0994595 | 0.2990426 | 0.3326 | 0.739 | 0.087514264 | count | 1 |
| PEF1 | 0.0673198 | 0.1731131 | 0.3889 | 0.697 | 0.08760242 | count | 1 |
| SPTLC3 | 0.1306714 | 0.5150224 | 0.2537 | 0.8 | 0.087648524 | count | 1 |
| HSCB | 0.0688252 | 0.1903779 | 0.3615 | 0.718 | 0.087724163 | count | 1 |
| MCOLN1 | 0.0627882 | 0.1174532 | 0.5346 | 0.593 | 0.087829976 | count | 1 |
| CCDC86 | 0.0816083 | 0.3955829 | 0.2063 | 0.837 | 0.087950144 | count | 1 |
| CBX5 | 0.0682309 | 0.1905411 | 0.3581 | 0.72 | 0.087999584 | count | 1 |
| ALAD | 0.0871491 | 0.3453134 | 0.2524 | 0.801 | 0.088034914 | count | 1 |
| NUP88 | 0.0871908 | 0.3064614 | 0.2845 | 0.776 | 0.088077403 | count | 1 |
| SLC25A14 | 0.1256347 | 0.5375873 | 0.2337 | 0.815 | 0.088126696 | count | 1 |
| ZNF677 | 0.1256347 | 0.5419107 | 0.2318 | 0.817 | 0.088126696 | count | 1 |
| LINC02384 | 0.7081621 | 0.6754559 | 1.0484 | 0.295 | 0.088254431 | count | 1 |
| JARID2 | 0.0657575 | 0.1602482 | 0.4103 | 0.682 | 0.08837157 | count | 1 |
| HIST1H2BC | 0.1260585 | 0.5531777 | 0.2279 | 0.82 | 0.088430304 | count | 1 |
| AC003102.1 | 0.1212748 | 0.4409994 | 0.275 | 0.783 | 0.088505045 | count | 1 |
| PDE6G | 0.1212748 | 0.4154993 | 0.2919 | 0.77 | 0.088505045 | count | 1 |
| AC074117.1 | 0.1175284 | 0.3941619 | 0.2982 | 0.766 | 0.088856047 | count | 1 |
| AC243772.2 | 0.1478756 | 0.6310231 | 0.2343 | 0.815 | 0.088944424 | count | 1 |
| DEK | 0.0621988 | 0.0514693 | 1.2085 | 0.227 | 0.088992079 | count | 1 |
| TIMM10B | 0.0721724 | 0.2258862 | 0.3195 | 0.749 | 0.089003481 | count | 1 |
| AC010226.1 | 0.1081048 | 0.5023703 | 0.2152 | 0.83 | 0.089105124 | count | 1 |
| AGPS | 0.070437 | 0.1712148 | 0.4114 | 0.681 | 0.089107369 | count | 1 |
| AL022328.3 | 0.2499428 | 0.5941901 | 0.4206 | 0.674 | 0.089194725 | count | 1 |
| CLTC | 0.0636403 | 0.0846473 | 0.7518 | 0.452 | 0.089206313 | count | 1 |
| MPPED2 | 0.7152709 | 0.4889227 | 1.463 | 0.144 | 0.089300835 | count | 1 |
| COPS5 | 0.0646029 | 0.1075297 | 0.6008 | 0.548 | 0.089384034 | count | 1 |
| NCF4 | 0.062962 | 0.070161 | 0.8974 | 0.37 | 0.089407257 | count | 1 |
| PDK3 | 0.0765413 | 0.2926552 | 0.2615 | 0.794 | 0.089457844 | count | 1 |
| MT-ND5 | 0.0623231 | 0.0357047 | 1.7455 | 0.081 | 0.089627063 | count | 1 |
| MINDY2 | 0.0700793 | 0.2121923 | 0.3303 | 0.741 | 0.089736838 | count | 1 |
| KLHDC3 | 0.0716286 | 0.1848596 | 0.3875 | 0.698 | 0.08984774 | count | 1 |
| LINC00467 | 0.0823316 | 0.3035995 | 0.2712 | 0.786 | 0.089871532 | count | 1 |
| CTIF | 0.1339239 | 0.5739824 | 0.2333 | 0.816 | 0.089881499 | count | 1 |

| | | | | | | | |
|-------------|-----------|-----------|--------|---------|-------------|-------|---|
| FAM198B-AS1 | 0.1042156 | 0.3568224 | 0.2921 | 0.77 | 0.089911451 | count | 1 |
| RUNX2 | 0.0942882 | 0.4127438 | 0.2284 | 0.819 | 0.089931361 | count | 1 |
| FOXO6 | 0.4215622 | 0.837236 | 0.5035 | 0.615 | 0.089955942 | count | 1 |
| C1orf115 | 0.4215622 | 0.837236 | 0.5035 | 0.615 | 0.089955942 | count | 1 |
| GXYLT2 | 0.4215622 | 1.1268636 | 0.3741 | 0.708 | 0.089955942 | count | 1 |
| ZSCAN12 | 0.4215622 | 0.837236 | 0.5035 | 0.615 | 0.089955942 | count | 1 |
| EPHB4 | 0.4215622 | 0.837236 | 0.5035 | 0.615 | 0.089955942 | count | 1 |
| KCP | 0.4215622 | 0.8057521 | 0.5232 | 0.601 | 0.089955942 | count | 1 |
| POMK | 0.4215622 | 0.8691609 | 0.485 | 0.628 | 0.089955942 | count | 1 |
| PPP1R13B | 0.4215622 | 0.837236 | 0.5035 | 0.615 | 0.089955942 | count | 1 |
| TRIM16L | 0.4215622 | 0.837236 | 0.5035 | 0.615 | 0.089955942 | count | 1 |
| LZTS3 | 0.4215622 | 0.8984256 | 0.4692 | 0.639 | 0.089955942 | count | 1 |
| CUL1 | 0.073494 | 0.2284296 | 0.3217 | 0.748 | 0.090101617 | count | 1 |
| PGRMC1 | 0.0666788 | 0.1454457 | 0.4584 | 0.647 | 0.090155216 | count | 1 |
| RASD1 | 0.1192197 | 0.4231382 | 0.2818 | 0.778 | 0.090158617 | count | 1 |
| ATP5PO | 0.0631701 | 0.0510111 | 1.2384 | 0.2157 | 0.090216734 | count | 1 |
| EIF2B4 | 0.0758017 | 0.2600438 | 0.2915 | 0.771 | 0.090275603 | count | 1 |
| DNM3 | 0.2528183 | 0.8993785 | 0.2811 | 0.779 | 0.090283449 | count | 1 |
| AC016773.1 | 0.2528183 | 0.9961672 | 0.2538 | 0.8 | 0.090283449 | count | 1 |
| HOPX | 0.2528183 | 0.7974075 | 0.3171 | 0.751 | 0.090283449 | count | 1 |
| ZNF674 | 0.2528183 | 0.7957776 | 0.3177 | 0.751 | 0.090283449 | count | 1 |
| AF196972.1 | 0.2528183 | 0.8696151 | 0.2907 | 0.771 | 0.090283449 | count | 1 |
| PYCR3 | 0.2528183 | 0.9008369 | 0.2806 | 0.779 | 0.090283449 | count | 1 |
| ANKRD42 | 0.0887188 | 0.4021644 | 0.2206 | 0.825 | 0.090509427 | count | 1 |
| KCNK6 | 0.0722823 | 0.1760203 | 0.4106 | 0.681 | 0.09053127 | count | 1 |
| DCAF7 | 0.0686901 | 0.152472 | 0.4505 | 0.652 | 0.090555221 | count | 1 |
| COX7C | 0.0631802 | 0.0404607 | 1.5615 | 0.119 | 0.090592187 | count | 1 |
| ASB9 | 0.1611598 | 0.4494776 | 0.3585 | 0.72 | 0.090592569 | count | 1 |
| RPL13 | 0.0628356 | 0.0223179 | 2.8155 | 0.00491 | 0.090593702 | count | 1 |
| MRPS26 | 0.0672025 | 0.1512954 | 0.4442 | 0.657 | 0.090743693 | count | 1 |
| SUPT4H1 | 0.0639997 | 0.069868 | 0.916 | 0.36 | 0.09078157 | count | 1 |
| PTBP1 | 0.0676531 | 0.128619 | 0.526 | 0.599 | 0.090958156 | count | 1 |
| ILF3-DT | 0.0672407 | 0.156134 | 0.4307 | 0.667 | 0.091032086 | count | 1 |
| RPS27 | 0.0632879 | 0.0257145 | 2.4612 | 0.0139 | 0.091128196 | count | 1 |
| ACVR2B | 0.1517705 | 0.5150673 | 0.2947 | 0.768 | 0.091354972 | count | 1 |
| FASTKD1 | 0.0923789 | 0.6338214 | 0.1457 | 0.884 | 0.091411358 | count | 1 |
| ULBP1 | 0.1764908 | 0.8696482 | 0.2029 | 0.839 | 0.091550775 | count | 1 |
| TMEM246 | 0.1764908 | 1.4740086 | 0.1197 | 0.905 | 0.091550775 | count | 1 |
| AC005363.2 | 0.1764908 | 0.6965141 | 0.2534 | 0.8 | 0.091550775 | count | 1 |
| IPO9-AS1 | 0.1768234 | 0.8916918 | 0.1983 | 0.843 | 0.091729654 | count | 1 |
| FUNDC2 | 0.0655849 | 0.1023483 | 0.6408 | 0.522 | 0.091778021 | count | 1 |
| ATP2B1 | 0.064243 | 0.0660142 | 0.9732 | 0.3306 | 0.091835718 | count | 1 |
| UBE3D | 0.1770375 | 0.7437847 | 0.238 | 0.812 | 0.091844821 | count | 1 |
| HKR1 | 0.1771868 | 0.5565172 | 0.3184 | 0.75 | 0.091925133 | count | 1 |
| CAND1 | 0.0706935 | 0.217831 | 0.3245 | 0.746 | 0.091926389 | count | 1 |

| | | | | | | | |
|----------|-----------|-----------|--------|---------|-------------|-------|---|
| TMEM192 | 0.0762515 | 0.2448809 | 0.3114 | 0.756 | 0.092030034 | count | 1 |
| CRBN | 0.0689423 | 0.1447064 | 0.4764 | 0.634 | 0.092071508 | count | 1 |
| CENPB | 0.072159 | 0.2154715 | 0.3349 | 0.738 | 0.092199896 | count | 1 |
| SNRNP48 | 0.0722588 | 0.1825813 | 0.3958 | 0.692 | 0.092221258 | count | 1 |
| IDS | 0.0657217 | 0.1115356 | 0.5892 | 0.556 | 0.092381961 | count | 1 |
| PLAUR | 0.0642074 | 0.0600964 | 1.0684 | 0.285 | 0.092452211 | count | 1 |
| RNF130 | 0.0645354 | 0.0485388 | 1.3296 | 0.184 | 0.092471603 | count | 1 |
| MOSPD2 | 0.0733586 | 0.1918901 | 0.3823 | 0.702 | 0.092561421 | count | 1 |
| RPS6 | 0.064313 | 0.0277288 | 2.3194 | 0.0205 | 0.092599549 | count | 1 |
| REXO2 | 0.0687726 | 0.1419144 | 0.4846 | 0.628 | 0.092638834 | count | 1 |
| MAFB | 0.0646863 | 0.053436 | 1.2105 | 0.226 | 0.092859801 | count | 1 |
| RPS12 | 0.0644544 | 0.0239296 | 2.6935 | 0.00712 | 0.092930314 | count | 1 |
| XPNPEP1 | 0.0758557 | 0.3316161 | 0.2287 | 0.819 | 0.093007929 | count | 1 |
| RAB6A | 0.070228 | 0.1684111 | 0.417 | 0.677 | 0.093029011 | count | 1 |
| TENT4A | 0.0888781 | 0.3550379 | 0.2503 | 0.802 | 0.093078164 | count | 1 |
| ARRDC2 | 0.0767639 | 0.1897114 | 0.4046 | 0.686 | 0.09309842 | count | 1 |
| PHC2 | 0.0686239 | 0.1174174 | 0.5844 | 0.559 | 0.093184501 | count | 1 |
| C1orf43 | 0.0659166 | 0.0766499 | 0.86 | 0.39 | 0.093258286 | count | 1 |
| TGOLN2 | 0.0654402 | 0.0648348 | 1.0093 | 0.313 | 0.093272704 | count | 1 |
| PANK4 | 0.1464183 | 0.5065849 | 0.289 | 0.773 | 0.093493678 | count | 1 |
| NOL6 | 0.1464183 | 0.5757946 | 0.2543 | 0.799 | 0.093493678 | count | 1 |
| HAPLN3 | 0.1989499 | 0.3783581 | 0.5258 | 0.599 | 0.093713313 | count | 1 |
| ZNF703 | 0.0839866 | 0.2153678 | 0.39 | 0.697 | 0.093763769 | count | 1 |
| IFT57 | 0.0769407 | 0.2011621 | 0.3825 | 0.702 | 0.093946224 | count | 1 |
| TSPAN4 | 0.0670658 | 0.0981703 | 0.6832 | 0.495 | 0.094022949 | count | 1 |
| UBE2W | 0.0698674 | 0.1300623 | 0.5372 | 0.591 | 0.094046563 | count | 1 |
| ADPRM | 0.1400126 | 0.5304199 | 0.264 | 0.792 | 0.094068148 | count | 1 |
| TLNRD1 | 0.0694633 | 0.149865 | 0.4635 | 0.643 | 0.094132281 | count | 1 |
| CYBA | 0.0653405 | 0.0246733 | 2.6482 | 0.00814 | 0.094144382 | count | 1 |
| EXOC1 | 0.0703618 | 0.162572 | 0.4328 | 0.665 | 0.094181224 | count | 1 |
| HIGD1A | 0.0697662 | 0.1345183 | 0.5186 | 0.604 | 0.0943357 | count | 1 |
| FNBP4 | 0.0690429 | 0.1213909 | 0.5688 | 0.57 | 0.094538002 | count | 1 |
| ST20-AS1 | 0.1036237 | 0.4240578 | 0.2444 | 0.807 | 0.094577829 | count | 1 |
| LMO4 | 0.067719 | 0.1077407 | 0.6285 | 0.53 | 0.094732035 | count | 1 |
| LAPTM4B | 0.1075945 | 0.4121605 | 0.2611 | 0.794 | 0.094771306 | count | 1 |
| OTUB1 | 0.0687719 | 0.1388198 | 0.4954 | 0.62 | 0.094897872 | count | 1 |
| LAMP5 | 0.2654623 | 0.6317792 | 0.4202 | 0.674 | 0.095087144 | count | 1 |
| PRPS2 | 0.0748175 | 0.2275858 | 0.3287 | 0.742 | 0.095153406 | count | 1 |
| RABGGTB | 0.0725069 | 0.1670081 | 0.4342 | 0.664 | 0.095156176 | count | 1 |
| CCDC146 | 0.1259548 | 0.4802674 | 0.2623 | 0.793 | 0.095352243 | count | 1 |
| NSF | 0.0765037 | 0.2159348 | 0.3543 | 0.723 | 0.095376588 | count | 1 |
| RNF126 | 0.0713451 | 0.1766015 | 0.404 | 0.686 | 0.095499644 | count | 1 |
| NFX1 | 0.0754053 | 0.3554165 | 0.2122 | 0.832 | 0.095538214 | count | 1 |
| FNDC3A | 0.0691329 | 0.1188056 | 0.5819 | 0.561 | 0.095591978 | count | 1 |
| COX10 | 0.1065604 | 0.4604805 | 0.2314 | 0.817 | 0.095621363 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|--------|-------------|-------|---|
| CAP1 | 0.0668736 | 0.049275 | 1.3572 | 0.175 | 0.095636186 | count | 1 |
| STK19 | 0.078534 | 0.2586835 | 0.3036 | 0.761 | 0.095689509 | count | 1 |
| DDX46 | 0.0676401 | 0.0717966 | 0.9421 | 0.346 | 0.095843451 | count | 1 |
| ZNF598 | 0.0922645 | 0.2977078 | 0.3099 | 0.757 | 0.095858757 | count | 1 |
| GNB2 | 0.0674067 | 0.0620757 | 1.0859 | 0.278 | 0.095872839 | count | 1 |
| ACTB | 0.0664772 | 0.0279914 | 2.3749 | 0.0176 | 0.095874926 | count | 1 |
| OTUD6B-AS1 | 0.0712144 | 0.1331364 | 0.5349 | 0.593 | 0.095933161 | count | 1 |
| AC022098.1 | 0.0923485 | 0.3380713 | 0.2732 | 0.785 | 0.095946774 | count | 1 |
| DOCK7 | 0.0760642 | 0.2386853 | 0.3187 | 0.75 | 0.096118389 | count | 1 |
| ZC3H8 | 0.0835649 | 0.2571501 | 0.325 | 0.745 | 0.096278746 | count | 1 |
| GPR161 | 0.4482087 | 0.7123416 | 0.6292 | 0.529 | 0.096306355 | count | 1 |
| S100BPB | 0.0899349 | 0.3158189 | 0.2848 | 0.776 | 0.096334041 | count | 1 |
| USP36 | 0.0733596 | 0.152348 | 0.4815 | 0.63 | 0.096537927 | count | 1 |
| KLHDC4 | 0.0956175 | 0.3140458 | 0.3045 | 0.761 | 0.09667037 | count | 1 |
| AMZ1 | 0.1173063 | 0.7560703 | 0.1552 | 0.877 | 0.096814925 | count | 1 |
| KIF3C | 0.2055997 | 0.7369228 | 0.279 | 0.78 | 0.096985843 | count | 1 |
| EFCAB7 | 0.3330084 | 0.7264342 | 0.4584 | 0.647 | 0.097052591 | count | 1 |
| AC104653.1 | 0.1611662 | 0.6581805 | 0.2449 | 0.807 | 0.097183858 | count | 1 |
| MEF2D | 0.0734631 | 0.1908146 | 0.385 | 0.7 | 0.097267779 | count | 1 |
| LSM4 | 0.0690426 | 0.0817793 | 0.8443 | 0.399 | 0.097283334 | count | 1 |
| TRBC1 | 0.2063004 | 0.7251943 | 0.2845 | 0.776 | 0.097331183 | count | 1 |
| SNX2 | 0.0684442 | 0.0585951 | 1.1681 | 0.243 | 0.097351995 | count | 1 |
| MAN2C1 | 0.0887701 | 0.3555654 | 0.2497 | 0.803 | 0.097527765 | count | 1 |
| ORAI3 | 0.0718058 | 0.134485 | 0.5339 | 0.593 | 0.097619904 | count | 1 |
| C1QTNF12 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC114490.2 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AL109741.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| TRIM45 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| ANXA9 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AL358472.2 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| SH2D2A | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| AL512306.2 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AL512343.2 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| BOLA3-AS1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| CD8B | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| NCAPH | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC012360.2 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| LINC01191 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC068282.1 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| AC097468.3 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC012485.3 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| KIF15 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| TRAIIP | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| PCBP4 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| AC108693.2 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|-------|-------------|-------|---|
| ILDR1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| EVC | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC024243.1 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| TMEM150C | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| DKK2 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC096711.2 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| TPPP | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| EIF4EBP3 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC008641.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| ZNF311 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| SLC44A4 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AL662884.4 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| RCAN2 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| EYS | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| AL138828.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AL356234.3 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AL121956.1 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| LINC01615 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| MINDY4 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC073335.2 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| NPTX2 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC008264.2 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC009542.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| ZNF425 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| BX890604.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| YY2 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC115618.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| FAM156A | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| AL121601.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| FAM85B | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| LINC01301 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| CYP7B1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| NCALD | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| PCA3 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| PTCH1 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| AL359091.4 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AL356481.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AL590226.2 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| PNPLA7 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| MIR194-2HG | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| P4HA3 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AP001528.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| TTC36 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AL157395.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AL137145.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |

| | | | | | | | |
|-------------|-----------|-----------|--------|-------|-------------|-------|---|
| AC067747.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AL136982.7 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| AL592071.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AKAP3 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| FAM90A1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| TAS2R30 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| PDE6H | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| DDN | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| GLT8D2 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| SLAIN1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| LINC00379 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AL358334.2 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| ARMH4 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| AL391262.1 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| KIF26A | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| DLL4 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC090510.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| SERINC4 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC016355.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| GOLGA6L10 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| AC003965.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC109460.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| MYLK3 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC023813.3 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| MT1A | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC004771.3 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| PITPNM3 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| ATP1B2 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| TMEM220-AS1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC020558.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC122129.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| GRAPL | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC130324.3 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC006441.1 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| LINC00854 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| MEIOC | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| SMIM6 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| DSCAS | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AL031665.2 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| SDCBP2 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| PDYN-AS1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| MACROD2 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| AL121772.3 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| DLGAP4-AS1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| TLDC2 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|---------|-------------|-------|---|
| AL008726.1 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| AL357033.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| COL9A3 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| PTK6 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| SHC2 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AMH | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| ZNF426-DT | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| ANGPTL8 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| ZNF491 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC005614.1 | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| NTN5 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| LHB | 0.7713801 | 1.4140999 | 0.5455 | 0.585 | 0.097660211 | count | 1 |
| SIGLECL1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| ZNF835 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| AC012313.1 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| CECR2 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| ZNRF3 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| LINC01521 | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.097660211 | count | 1 |
| LSM14A | 0.0713841 | 0.1199403 | 0.5952 | 0.552 | 0.097684956 | count | 1 |
| FNTA | 0.0731074 | 0.1310649 | 0.5578 | 0.577 | 0.097688699 | count | 1 |
| DHX9 | 0.0732709 | 0.1287285 | 0.5692 | 0.569 | 0.097725013 | count | 1 |
| AC009948.4 | 0.7731887 | 1.002598 | 0.7712 | 0.441 | 0.097932574 | count | 1 |
| STX18-AS1 | 0.7731887 | 1.214623 | 0.6366 | 0.524 | 0.097932574 | count | 1 |
| LINC02104 | 0.7731887 | 1.083255 | 0.7138 | 0.475 | 0.097932574 | count | 1 |
| CLSTN3 | 0.7731887 | 1.002598 | 0.7712 | 0.441 | 0.097932574 | count | 1 |
| AC018904.1 | 0.7731887 | 1.075238 | 0.7191 | 0.472 | 0.097932574 | count | 1 |
| BX539320.1 | 0.7731887 | 0.9680519 | 0.7987 | 0.425 | 0.097932574 | count | 1 |
| PARP16 | 0.174104 | 0.5473484 | 0.3181 | 0.75 | 0.098120711 | count | 1 |
| LGALS8 | 0.0737741 | 0.1458144 | 0.5059 | 0.613 | 0.098155208 | count | 1 |
| SCML1 | 0.0743919 | 0.1717978 | 0.433 | 0.665 | 0.098443428 | count | 1 |
| TBC1D22A | 0.0723386 | 0.1563432 | 0.4627 | 0.644 | 0.098527654 | count | 1 |
| WDR89 | 0.1748224 | 0.5488538 | 0.3185 | 0.75 | 0.098539587 | count | 1 |
| FUS | 0.0691467 | 0.0641969 | 1.0771 | 0.2815 | 0.098637398 | count | 1 |
| IL1B | 0.0686 | 0.0954437 | 0.7187 | 0.472 | 0.098676661 | count | 1 |
| LINC00891 | 0.1547089 | 0.3470404 | 0.4458 | 0.656 | 0.098936575 | count | 1 |
| ZNF430 | 0.0840889 | 0.2172608 | 0.387 | 0.699 | 0.098983779 | count | 1 |
| ZNF559 | 0.1472083 | 0.4079093 | 0.3609 | 0.718 | 0.099026893 | count | 1 |
| BZW2 | 0.075282 | 0.1878655 | 0.4007 | 0.689 | 0.099137724 | count | 1 |
| CCDC82 | 0.072198 | 0.1320053 | 0.5469 | 0.584 | 0.099214019 | count | 1 |
| CRIP1 | 0.0743737 | 0.1586194 | 0.4689 | 0.639 | 0.099473323 | count | 1 |
| AUP1 | 0.0709039 | 0.0782219 | 0.9064 | 0.365 | 0.099628433 | count | 1 |
| IGLL5 | 0.2111309 | 0.9957263 | 0.212 | 0.832 | 0.099714586 | count | 1 |
| UBA52 | 0.0692611 | 0.0244936 | 2.8277 | 0.00473 | 0.099741375 | count | 1 |
| ANKIB1 | 0.0789633 | 0.2374873 | 0.3325 | 0.74 | 0.099793695 | count | 1 |
| AC009309.1 | 0.4630788 | 0.6665965 | 0.6947 | 0.487 | 0.099883113 | count | 1 |

| | | | | | | | |
|-----------|-----------|-----------|--------|-------|-------------|-------|---|
| SMIM26 | 0.0714341 | 0.08603 | 0.8303 | 0.406 | 0.099903188 | count | 1 |
| GNPNAT1 | 0.090411 | 0.3340761 | 0.2706 | 0.787 | 0.099910339 | count | 1 |
| CHD7 | 0.0841092 | 0.2974405 | 0.2828 | 0.777 | 0.100217355 | count | 1 |
| FAM160A2 | 0.0852094 | 0.3229785 | 0.2638 | 0.792 | 0.100309581 | count | 1 |
| RAB21 | 0.0724914 | 0.1028011 | 0.7052 | 0.481 | 0.100465623 | count | 1 |
| BST2 | 0.0702846 | 0.051735 | 1.3585 | 0.174 | 0.100665731 | count | 1 |
| AOAH | 0.0718579 | 0.0774023 | 0.9284 | 0.353 | 0.100739349 | count | 1 |
| PIK3CB | 0.077126 | 0.1978578 | 0.3898 | 0.697 | 0.100792199 | count | 1 |
| BASP1 | 0.0704781 | 0.077647 | 0.9077 | 0.364 | 0.100909781 | count | 1 |
| AMFR | 0.0828278 | 0.2074481 | 0.3993 | 0.69 | 0.100943516 | count | 1 |
| EEFSEC | 0.0863659 | 0.2762814 | 0.3126 | 0.755 | 0.10100257 | count | 1 |
| NCK2 | 0.0822117 | 0.2325935 | 0.3535 | 0.724 | 0.101037489 | count | 1 |
| TMEM102 | 0.0889647 | 0.3576504 | 0.2487 | 0.804 | 0.101264165 | count | 1 |
| TIAL1 | 0.0735864 | 0.1231513 | 0.5975 | 0.55 | 0.101268158 | count | 1 |
| ZFP90 | 0.0974328 | 0.3262334 | 0.2987 | 0.765 | 0.101276617 | count | 1 |
| SRPRA | 0.0728814 | 0.098586 | 0.7393 | 0.46 | 0.101277919 | count | 1 |
| BFAR | 0.0745749 | 0.1289885 | 0.5782 | 0.563 | 0.101471801 | count | 1 |
| FKBP8 | 0.0716345 | 0.0798713 | 0.8969 | 0.37 | 0.101588233 | count | 1 |
| SSSCA1 | 0.0742521 | 0.1397387 | 0.5314 | 0.595 | 0.101614602 | count | 1 |
| MRPS35 | 0.0741053 | 0.1247064 | 0.5942 | 0.552 | 0.101624174 | count | 1 |
| ZNF12 | 0.1027071 | 0.3696994 | 0.2778 | 0.781 | 0.101739976 | count | 1 |
| GPATCH3 | 0.1203262 | 0.4594971 | 0.2619 | 0.793 | 0.101766759 | count | 1 |
| IRS1 | 0.7992824 | 0.9064383 | 0.8818 | 0.378 | 0.101881934 | count | 1 |
| ATP5F1D | 0.0712018 | 0.0459736 | 1.5488 | 0.122 | 0.101908523 | count | 1 |
| SCFD1 | 0.0789414 | 0.1449556 | 0.5446 | 0.586 | 0.102045808 | count | 1 |
| RAD21 | 0.0740941 | 0.1124887 | 0.6587 | 0.51 | 0.102087856 | count | 1 |
| GPBP1 | 0.0733769 | 0.0941914 | 0.779 | 0.436 | 0.102356521 | count | 1 |
| IMPDH2 | 0.0761679 | 0.1510877 | 0.5041 | 0.614 | 0.102503511 | count | 1 |
| CBR1 | 0.0737409 | 0.1075323 | 0.6858 | 0.493 | 0.102528334 | count | 1 |
| NOC2L | 0.0798097 | 0.168201 | 0.4745 | 0.635 | 0.102562083 | count | 1 |
| STK40 | 0.0809842 | 0.2035634 | 0.3978 | 0.691 | 0.102629675 | count | 1 |
| SLC25A16 | 0.0909877 | 0.5943099 | 0.1531 | 0.878 | 0.102640288 | count | 1 |
| RBCK1 | 0.0749958 | 0.1147621 | 0.6535 | 0.514 | 0.102846855 | count | 1 |
| MTFR2 | 0.2858546 | 0.881206 | 0.3244 | 0.746 | 0.102890702 | count | 1 |
| TRIM32 | 0.2858546 | 0.8753512 | 0.3266 | 0.744 | 0.102890702 | count | 1 |
| LINC01569 | 0.2858546 | 1.0114082 | 0.2826 | 0.777 | 0.102890702 | count | 1 |
| REXO5 | 0.2858546 | 1.2394998 | 0.2306 | 0.818 | 0.102890702 | count | 1 |
| UTRN | 0.0765764 | 0.114945 | 0.6662 | 0.505 | 0.103015306 | count | 1 |
| EXOC4 | 0.081026 | 0.2215227 | 0.3658 | 0.715 | 0.103074438 | count | 1 |
| KIAA0825 | 0.2179409 | 0.7061131 | 0.3086 | 0.758 | 0.103082556 | count | 1 |
| PCNP | 0.0748251 | 0.1120355 | 0.6679 | 0.504 | 0.103096157 | count | 1 |
| RC3H2 | 0.0955635 | 0.2680147 | 0.3566 | 0.721 | 0.103109737 | count | 1 |
| UBR5 | 0.078846 | 0.1933384 | 0.4078 | 0.683 | 0.103199646 | count | 1 |
| NDUFB9 | 0.0726237 | 0.0712057 | 1.0199 | 0.308 | 0.103336368 | count | 1 |
| ZKSCAN4 | 0.35321 | 0.5608994 | 0.6297 | 0.529 | 0.103459016 | count | 1 |

| | | | | | | | |
|----------|-----------|-----------|--------|---------|-------------|-------|---|
| CBX6 | 0.0772142 | 0.1415471 | 0.5455 | 0.585 | 0.103502622 | count | 1 |
| COMMD9 | 0.0749948 | 0.1142235 | 0.6566 | 0.512 | 0.10350985 | count | 1 |
| EID1 | 0.0728069 | 0.0538797 | 1.3513 | 0.177 | 0.103802068 | count | 1 |
| BUD23 | 0.0760787 | 0.1363968 | 0.5578 | 0.577 | 0.103834207 | count | 1 |
| ATP2A2 | 0.0771863 | 0.1507757 | 0.5119 | 0.609 | 0.103991513 | count | 1 |
| UXT | 0.0732488 | 0.0593822 | 1.2335 | 0.218 | 0.104212119 | count | 1 |
| ZNF518A | 0.0824635 | 0.2109916 | 0.3908 | 0.696 | 0.104232158 | count | 1 |
| ABHD1 | 0.3557799 | 0.7963302 | 0.4468 | 0.655 | 0.104278136 | count | 1 |
| ATP5F1E | 0.0724285 | 0.0280734 | 2.58 | 0.00994 | 0.104306295 | count | 1 |
| ZNF777 | 0.289564 | 0.7612099 | 0.3804 | 0.704 | 0.104317592 | count | 1 |
| CHST11 | 0.0786089 | 0.1388104 | 0.5663 | 0.571 | 0.10443859 | count | 1 |
| RPS3 | 0.072499 | 0.0256751 | 2.8237 | 0.00479 | 0.104461332 | count | 1 |
| TPP1 | 0.0742619 | 0.0865632 | 0.8579 | 0.391 | 0.104637197 | count | 1 |
| RUSC1 | 0.0859079 | 0.3107036 | 0.2765 | 0.782 | 0.104713777 | count | 1 |
| SERPINH1 | 0.1268053 | 0.4831209 | 0.2625 | 0.793 | 0.104793966 | count | 1 |
| NUDT7 | 0.1166838 | 0.4541261 | 0.2569 | 0.797 | 0.104837037 | count | 1 |
| SMARCA2 | 0.0802667 | 0.1440325 | 0.5573 | 0.577 | 0.104906856 | count | 1 |
| ZNF626 | 0.358129 | 0.4106182 | 0.8722 | 0.383 | 0.105027673 | count | 1 |
| PNPLA8 | 0.0746471 | 0.0881923 | 0.8464 | 0.397 | 0.105076143 | count | 1 |
| PSMB3 | 0.073573 | 0.045787 | 1.6069 | 0.108 | 0.105318674 | count | 1 |
| NDUFA7 | 0.1102567 | 0.3567511 | 0.3091 | 0.757 | 0.105349156 | count | 1 |
| ECI1 | 0.0769821 | 0.1132583 | 0.6797 | 0.497 | 0.105355508 | count | 1 |
| RAP1A | 0.074261 | 0.0731635 | 1.015 | 0.31 | 0.10539045 | count | 1 |
| UBLCP1 | 0.0901262 | 0.2436516 | 0.3699 | 0.711 | 0.105424848 | count | 1 |
| NSRP1 | 0.0752894 | 0.1245209 | 0.6046 | 0.545 | 0.105442161 | count | 1 |
| AK6 | 0.077637 | 0.1365443 | 0.5686 | 0.57 | 0.105471563 | count | 1 |
| ATP23 | 0.0971251 | 0.2879883 | 0.3373 | 0.736 | 0.105489801 | count | 1 |
| RCL1 | 0.0908944 | 0.4049859 | 0.2244 | 0.822 | 0.105575029 | count | 1 |
| EXOC5 | 0.0849403 | 0.2013264 | 0.4219 | 0.673 | 0.10575751 | count | 1 |
| SFMBT1 | 0.0996077 | 0.4273101 | 0.2331 | 0.816 | 0.106025942 | count | 1 |
| METTL15 | 0.0889626 | 0.2561172 | 0.3474 | 0.728 | 0.106029746 | count | 1 |
| UBE2G2 | 0.078911 | 0.1772446 | 0.4452 | 0.656 | 0.106121012 | count | 1 |
| RABEP1 | 0.0812973 | 0.1836671 | 0.4426 | 0.658 | 0.106493785 | count | 1 |
| TERF2IP | 0.0752743 | 0.0771664 | 0.9755 | 0.329 | 0.106670933 | count | 1 |
| CCDC6 | 0.0819837 | 0.1786104 | 0.459 | 0.646 | 0.107156639 | count | 1 |
| MED20 | 0.254892 | 0.6368543 | 0.4002 | 0.689 | 0.10718175 | count | 1 |
| SIGLEC5 | 0.254892 | 0.6439012 | 0.3959 | 0.692 | 0.10718175 | count | 1 |
| ZMPSTE24 | 0.0878207 | 0.1953149 | 0.4496 | 0.653 | 0.107290012 | count | 1 |
| TMEM183A | 0.0790286 | 0.1446371 | 0.5464 | 0.585 | 0.107364954 | count | 1 |
| SLK | 0.0820864 | 0.1482626 | 0.5537 | 0.58 | 0.107371971 | count | 1 |
| MED14OS | 0.1095842 | 0.2904438 | 0.3773 | 0.706 | 0.107384864 | count | 1 |
| SAYSD1 | 0.0902322 | 0.2361672 | 0.3821 | 0.702 | 0.10755072 | count | 1 |
| MRPS28 | 0.0831527 | 0.1928866 | 0.4311 | 0.666 | 0.107604941 | count | 1 |
| FAM234B | 0.2274423 | 0.5486907 | 0.4145 | 0.679 | 0.107796916 | count | 1 |
| TTC7B | 0.1688311 | 0.5288699 | 0.3192 | 0.75 | 0.108243565 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|-------|-------------|-------|---|
| ACTR1A | 0.0794863 | 0.1408768 | 0.5642 | 0.573 | 0.108277329 | count | 1 |
| TENT5A | 0.0793564 | 0.1223952 | 0.6484 | 0.517 | 0.108314011 | count | 1 |
| STAU1 | 0.0774062 | 0.0929323 | 0.8329 | 0.405 | 0.108317593 | count | 1 |
| SS18 | 0.0881142 | 0.2152563 | 0.4093 | 0.682 | 0.108322773 | count | 1 |
| LYPLAL1 | 0.0791983 | 0.1440427 | 0.5498 | 0.582 | 0.108438997 | count | 1 |
| RNF34 | 0.0900853 | 0.2799841 | 0.3218 | 0.748 | 0.108535593 | count | 1 |
| ATAD1 | 0.0981951 | 0.225542 | 0.4354 | 0.663 | 0.108577266 | count | 1 |
| PCDHGA10 | 0.8433795 | 0.6946773 | 1.2141 | 0.225 | 0.108638566 | count | 1 |
| TPRG1L | 0.090658 | 0.2444873 | 0.3708 | 0.711 | 0.108660327 | count | 1 |
| GPS2 | 0.0841894 | 0.1961958 | 0.4291 | 0.668 | 0.10904971 | count | 1 |
| PRPF18 | 0.0877522 | 0.2312304 | 0.3795 | 0.704 | 0.109085775 | count | 1 |
| AC072061.1 | 0.3713953 | 0.5985682 | 0.6205 | 0.535 | 0.109274947 | count | 1 |
| TSHZ1 | 0.1035782 | 0.3863646 | 0.2681 | 0.789 | 0.109470788 | count | 1 |
| PLAC9 | 0.1707807 | 0.4956634 | 0.3445 | 0.73 | 0.109531921 | count | 1 |
| SELENOH | 0.0770199 | 0.0551042 | 1.3977 | 0.162 | 0.109725459 | count | 1 |
| RPGR | 0.0923367 | 0.2426525 | 0.3805 | 0.704 | 0.109754629 | count | 1 |
| WDPCP | 0.1150105 | 0.5609445 | 0.205 | 0.838 | 0.10994911 | count | 1 |
| ELP4 | 0.0961371 | 0.3224761 | 0.2981 | 0.766 | 0.109955179 | count | 1 |
| CHST14 | 0.1087304 | 0.3378503 | 0.3218 | 0.748 | 0.11006923 | count | 1 |
| EML1 | 0.2321488 | 0.5534786 | 0.4194 | 0.675 | 0.110138755 | count | 1 |
| C1orf52 | 0.0804775 | 0.1275342 | 0.631 | 0.528 | 0.110145724 | count | 1 |
| TMEM199 | 0.0874306 | 0.2002507 | 0.4366 | 0.662 | 0.11053283 | count | 1 |
| JMJD1C | 0.0777783 | 0.0695907 | 1.1177 | 0.264 | 0.110705423 | count | 1 |
| LINC02062 | 0.2632183 | 0.978266 | 0.2691 | 0.788 | 0.110890404 | count | 1 |
| HNRNPK | 0.0779285 | 0.0492976 | 1.5808 | 0.114 | 0.111087915 | count | 1 |
| ZNF347 | 0.1463344 | 0.5695257 | 0.2569 | 0.797 | 0.111130579 | count | 1 |
| DHRX | 0.0839613 | 0.1869748 | 0.4491 | 0.653 | 0.11119938 | count | 1 |
| CLK4 | 0.0931542 | 0.2143921 | 0.4345 | 0.664 | 0.11136399 | count | 1 |
| C22orf46 | 0.1198892 | 0.3543324 | 0.3384 | 0.735 | 0.111410792 | count | 1 |
| MRPL24 | 0.083437 | 0.200175 | 0.4168 | 0.677 | 0.111619585 | count | 1 |
| VAV1 | 0.0866987 | 0.1957214 | 0.443 | 0.658 | 0.111670157 | count | 1 |
| KPNA4 | 0.0805129 | 0.1041211 | 0.7733 | 0.439 | 0.111702842 | count | 1 |
| CA5B | 0.1065938 | 0.2962763 | 0.3598 | 0.719 | 0.111809084 | count | 1 |
| KLHDC7B | 0.1006218 | 0.3843961 | 0.2618 | 0.794 | 0.11188851 | count | 1 |
| LINC02185 | 0.1155256 | 0.4635808 | 0.2492 | 0.803 | 0.111899224 | count | 1 |
| HDLBP | 0.0802164 | 0.1045639 | 0.7672 | 0.443 | 0.111925073 | count | 1 |
| CLDND1 | 0.082345 | 0.1328336 | 0.6199 | 0.535 | 0.112030799 | count | 1 |
| TP53I3 | 0.0876328 | 0.1911558 | 0.4584 | 0.647 | 0.112036509 | count | 1 |
| ATR | 0.1120419 | 0.3126675 | 0.3583 | 0.72 | 0.112304029 | count | 1 |
| ZC3H7B | 0.1433387 | 0.3632176 | 0.3946 | 0.693 | 0.112353089 | count | 1 |
| ZBTB47 | 0.159468 | 0.582259 | 0.2739 | 0.784 | 0.112493963 | count | 1 |
| DPAGT1 | 0.1018142 | 0.2750036 | 0.3702 | 0.711 | 0.112610202 | count | 1 |
| NDUFB5 | 0.0796667 | 0.0647399 | 1.2306 | 0.219 | 0.112621399 | count | 1 |
| SLC24A1 | 0.1536291 | 0.9470192 | 0.1622 | 0.871 | 0.112702462 | count | 1 |
| SIKE1 | 0.0887049 | 0.2032368 | 0.4365 | 0.663 | 0.112736569 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|-------|-------------|-------|---|
| YY1 | 0.0791859 | 0.0640927 | 1.2355 | 0.217 | 0.112737786 | count | 1 |
| SEC16A | 0.0900896 | 0.2946915 | 0.3057 | 0.76 | 0.112745497 | count | 1 |
| NOL3 | 0.1151619 | 0.419974 | 0.2742 | 0.784 | 0.11291665 | count | 1 |
| PWWP2A | 0.0886299 | 0.2290185 | 0.387 | 0.699 | 0.113052972 | count | 1 |
| CAVIN1 | 0.1489389 | 0.6553157 | 0.2273 | 0.82 | 0.113153823 | count | 1 |
| HIPK2 | 0.0861049 | 0.2138042 | 0.4027 | 0.687 | 0.113351915 | count | 1 |
| MDP1 | 0.2386502 | 0.4919751 | 0.4851 | 0.628 | 0.113380843 | count | 1 |
| PLEKHA5 | 0.1050105 | 0.3853809 | 0.2725 | 0.785 | 0.113391192 | count | 1 |
| ZNF804A | 0.140619 | 0.4506404 | 0.312 | 0.755 | 0.113414264 | count | 1 |
| RTL6 | 0.2688822 | 0.5248422 | 0.5123 | 0.608 | 0.113420421 | count | 1 |
| WIPI2 | 0.082498 | 0.1277217 | 0.6459 | 0.518 | 0.113488183 | count | 1 |
| C2orf49 | 0.0865737 | 0.1984093 | 0.4363 | 0.663 | 0.113505066 | count | 1 |
| PRIMPOL | 0.117175 | 0.433892 | 0.2701 | 0.787 | 0.113516941 | count | 1 |
| TEX264 | 0.0816684 | 0.0973519 | 0.8389 | 0.402 | 0.113537276 | count | 1 |
| FAM174A | 0.0914953 | 0.2691177 | 0.34 | 0.734 | 0.113559563 | count | 1 |
| INPP5E | 0.1263623 | 0.6173848 | 0.2047 | 0.838 | 0.113668255 | count | 1 |
| TRPS1 | 0.0834364 | 0.1419839 | 0.5876 | 0.557 | 0.113695365 | count | 1 |
| FBXO36 | 0.385126 | 0.838375 | 0.4594 | 0.646 | 0.113696655 | count | 1 |
| RAB43 | 0.385126 | 0.8224141 | 0.4683 | 0.64 | 0.113696655 | count | 1 |
| ULBP2 | 0.385126 | 0.9779565 | 0.3938 | 0.694 | 0.113696655 | count | 1 |
| CENPI | 0.385126 | 1.226056 | 0.3141 | 0.753 | 0.113696655 | count | 1 |
| AC124798.1 | 0.385126 | 0.8224141 | 0.4683 | 0.64 | 0.113696655 | count | 1 |
| TMTC4 | 0.385126 | 0.8255833 | 0.4665 | 0.641 | 0.113696655 | count | 1 |
| AGPAT4 | 0.1023281 | 0.3015929 | 0.3393 | 0.734 | 0.113800438 | count | 1 |
| SGMS1-AS1 | 0.3855594 | 0.6111712 | 0.6309 | 0.528 | 0.113836648 | count | 1 |
| BCL2L1 | 0.0901643 | 0.2280698 | 0.3953 | 0.693 | 0.113845181 | count | 1 |
| CCNDBP1 | 0.0829726 | 0.1137567 | 0.7294 | 0.466 | 0.11386786 | count | 1 |
| MARK2 | 0.0895856 | 0.1744455 | 0.5135 | 0.608 | 0.114139905 | count | 1 |
| FILNC1 | 0.161761 | 0.5266518 | 0.3071 | 0.759 | 0.114154812 | count | 1 |
| ENO1-AS1 | 0.315505 | 0.7747077 | 0.4073 | 0.684 | 0.114359599 | count | 1 |
| SERPINI1 | 0.315505 | 0.7235179 | 0.4361 | 0.663 | 0.114359599 | count | 1 |
| LINC01852 | 0.315505 | 0.6879055 | 0.4586 | 0.647 | 0.114359599 | count | 1 |
| DTWD2 | 0.1558494 | 0.3965922 | 0.393 | 0.694 | 0.114371719 | count | 1 |
| LINC00106 | 0.880927 | 0.7337471 | 1.2006 | 0.23 | 0.114470592 | count | 1 |
| AC023590.1 | 0.880927 | 0.7857269 | 1.1212 | 0.262 | 0.114470592 | count | 1 |
| SEZ6 | 0.880927 | 0.8997634 | 0.9791 | 0.328 | 0.114470592 | count | 1 |
| SHMT2 | 0.0915462 | 0.1967984 | 0.4652 | 0.642 | 0.114575659 | count | 1 |
| SELENOF | 0.0811462 | 0.0685003 | 1.1846 | 0.236 | 0.114577749 | count | 1 |
| ZNF701 | 0.1076282 | 0.3499892 | 0.3075 | 0.758 | 0.114642127 | count | 1 |
| TPGS1 | 0.0839433 | 0.1356766 | 0.6187 | 0.536 | 0.114871064 | count | 1 |
| AC003681.1 | 0.2725379 | 0.480908 | 0.5667 | 0.571 | 0.115056497 | count | 1 |
| CTNNBIP1 | 0.0854692 | 0.1488703 | 0.5741 | 0.566 | 0.115087269 | count | 1 |
| MED9 | 0.189875 | 0.4728785 | 0.4015 | 0.688 | 0.115115054 | count | 1 |
| C6orf48 | 0.0874118 | 0.13379 | 0.6534 | 0.514 | 0.115297541 | count | 1 |
| CCDC138 | 0.2037139 | 0.6118322 | 0.333 | 0.739 | 0.115477289 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|---------|-------------|-------|---|
| AL159169.2 | 0.2738394 | 1.3252515 | 0.2066 | 0.836 | 0.115639552 | count | 1 |
| AC073896.2 | 0.1912313 | 0.4823707 | 0.3964 | 0.692 | 0.115966653 | count | 1 |
| NUDT18 | 0.1044123 | 0.3983284 | 0.2621 | 0.793 | 0.116136442 | count | 1 |
| NUPL2 | 0.0933567 | 0.1776222 | 0.5256 | 0.599 | 0.116280566 | count | 1 |
| FASTK | 0.0917609 | 0.2088255 | 0.4394 | 0.66 | 0.116336796 | count | 1 |
| N4BP2 | 0.0953151 | 0.2989926 | 0.3188 | 0.75 | 0.116489707 | count | 1 |
| ERGIC1 | 0.0864672 | 0.131721 | 0.6564 | 0.512 | 0.116882168 | count | 1 |
| YWHAB | 0.0814065 | 0.0351076 | 2.3188 | 0.0205 | 0.116943159 | count | 1 |
| CTBS | 0.0839068 | 0.105221 | 0.7974 | 0.425 | 0.117006646 | count | 1 |
| PARP15 | 0.2459551 | 0.5502695 | 0.447 | 0.655 | 0.117033487 | count | 1 |
| PHACTR4 | 0.0908427 | 0.1823406 | 0.4982 | 0.618 | 0.117255141 | count | 1 |
| RPL21 | 0.0814513 | 0.0250633 | 3.2498 | 0.00117 | 0.117306383 | count | 1 |
| PI4KA | 0.1079914 | 0.2567898 | 0.4205 | 0.674 | 0.117395032 | count | 1 |
| RPP30 | 0.0897901 | 0.1729443 | 0.5192 | 0.604 | 0.11756328 | count | 1 |
| AIF1 | 0.081636 | 0.0293002 | 2.7862 | 0.00537 | 0.117637438 | count | 1 |
| UBQLN1 | 0.0910986 | 0.1892269 | 0.4814 | 0.63 | 0.117699158 | count | 1 |
| EIF4B | 0.0842694 | 0.0696338 | 1.2102 | 0.226 | 0.117806507 | count | 1 |
| SYF2 | 0.0836968 | 0.0760767 | 1.1002 | 0.271 | 0.118347994 | count | 1 |
| SPARCL1 | 0.1168758 | 0.6035004 | 0.1937 | 0.846 | 0.118408786 | count | 1 |
| POC1B-AS1 | 0.5386618 | 0.6478088 | 0.8315 | 0.406 | 0.118421328 | count | 1 |
| C5AR1 | 0.0823455 | 0.043848 | 1.878 | 0.0605 | 0.118431069 | count | 1 |
| IMPACT | 0.0923286 | 0.1966241 | 0.4696 | 0.639 | 0.118452807 | count | 1 |
| TADA2A | 0.1030987 | 0.2898897 | 0.3556 | 0.722 | 0.11846307 | count | 1 |
| ELOA | 0.0879915 | 0.1403538 | 0.6269 | 0.531 | 0.11861967 | count | 1 |
| ZNF511 | 0.0857861 | 0.1219224 | 0.7036 | 0.482 | 0.118662216 | count | 1 |
| LYSMD3 | 0.101041 | 0.2183605 | 0.4627 | 0.644 | 0.118672064 | count | 1 |
| ZNF274 | 0.1099801 | 0.2980345 | 0.369 | 0.712 | 0.118805892 | count | 1 |
| EGR4 | 0.4014803 | 0.7883167 | 0.5093 | 0.611 | 0.118997172 | count | 1 |
| CCS | 0.0867728 | 0.1291417 | 0.6719 | 0.502 | 0.119020205 | count | 1 |
| SNRPB2 | 0.0842347 | 0.0775759 | 1.0858 | 0.278 | 0.119059457 | count | 1 |
| NOB1 | 0.0931084 | 0.2676406 | 0.3479 | 0.728 | 0.119195352 | count | 1 |
| SNRPA | 0.0876418 | 0.1501687 | 0.5836 | 0.56 | 0.119280622 | count | 1 |
| AGPAT5 | 0.0938952 | 0.2884115 | 0.3256 | 0.745 | 0.119357161 | count | 1 |
| TFDP2 | 0.1113004 | 0.2621758 | 0.4245 | 0.671 | 0.119434617 | count | 1 |
| MRPL58 | 0.0912773 | 0.1766822 | 0.5166 | 0.605 | 0.119515868 | count | 1 |
| 9-Mar | 0.0980351 | 0.2542118 | 0.3856 | 0.7 | 0.119569364 | count | 1 |
| CMC2 | 0.0859499 | 0.108304 | 0.7936 | 0.428 | 0.119595187 | count | 1 |
| FAM104B | 0.0951102 | 0.2456759 | 0.3871 | 0.699 | 0.119600406 | count | 1 |
| CFAP45 | 0.9142266 | 0.8176887 | 1.1181 | 0.264 | 0.119701215 | count | 1 |
| AC117382.2 | 0.9142266 | 0.9879596 | 0.9254 | 0.355 | 0.119701215 | count | 1 |
| AC112236.2 | 0.9142266 | 0.8753444 | 1.0444 | 0.296 | 0.119701215 | count | 1 |
| MSS51 | 0.9142266 | 1.0758 | 0.8498 | 0.396 | 0.119701215 | count | 1 |
| SND1 | 0.0887945 | 0.1421934 | 0.6245 | 0.532 | 0.119704244 | count | 1 |
| CEP95 | 0.1034136 | 0.2282396 | 0.4531 | 0.651 | 0.119764827 | count | 1 |
| RPP25 | 0.102432 | 0.2491364 | 0.4111 | 0.681 | 0.119910848 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|---------|-------------|-------|---|
| XYLB | 0.5446572 | 0.7410641 | 0.735 | 0.462 | 0.119917007 | count | 1 |
| ADAMTS10 | 0.5446572 | 0.7547209 | 0.7217 | 0.471 | 0.119917007 | count | 1 |
| MSTO1 | 0.135816 | 0.5446834 | 0.2493 | 0.803 | 0.120058728 | count | 1 |
| COIL | 0.0996678 | 0.2880486 | 0.346 | 0.729 | 0.120142786 | count | 1 |
| ZRANB1 | 0.0998185 | 0.273399 | 0.3651 | 0.715 | 0.120325418 | count | 1 |
| AL450998.2 | 0.0970138 | 0.2691669 | 0.3604 | 0.719 | 0.120439233 | count | 1 |
| C8orf82 | 0.0935265 | 0.1872817 | 0.4994 | 0.618 | 0.120493417 | count | 1 |
| PAK2 | 0.0844797 | 0.0577564 | 1.4627 | 0.1437 | 0.120571179 | count | 1 |
| ZNF512 | 0.2849553 | 0.5038873 | 0.5655 | 0.572 | 0.120631885 | count | 1 |
| ING5 | 0.0964178 | 0.2191904 | 0.4399 | 0.66 | 0.120698244 | count | 1 |
| THAP5 | 0.0977903 | 0.2211456 | 0.4422 | 0.658 | 0.120742942 | count | 1 |
| PSMF1 | 0.086674 | 0.1048227 | 0.8269 | 0.408 | 0.120964526 | count | 1 |
| PARP1 | 0.0873558 | 0.1098214 | 0.7954 | 0.426 | 0.121221348 | count | 1 |
| ATP5PD | 0.0847728 | 0.0485099 | 1.7475 | 0.0807 | 0.121266651 | count | 1 |
| SPIN3 | 0.5502916 | 0.8727479 | 0.6305 | 0.528 | 0.121325961 | count | 1 |
| LRP5 | 0.5502916 | 0.8727479 | 0.6305 | 0.528 | 0.121325961 | count | 1 |
| SYCP2 | 0.5502916 | 1.1323299 | 0.486 | 0.627 | 0.121325961 | count | 1 |
| ZNF837 | 0.5502916 | 0.9011822 | 0.6106 | 0.541 | 0.121325961 | count | 1 |
| C3orf70 | 0.9245585 | 1.015012 | 0.9109 | 0.362 | 0.121334944 | count | 1 |
| LINC01554 | 0.9245585 | 0.7819196 | 1.1824 | 0.237 | 0.121334944 | count | 1 |
| IFT122 | 0.1268493 | 0.6718097 | 0.1888 | 0.85 | 0.121424695 | count | 1 |
| ZNF684 | 0.1348479 | 0.4291348 | 0.3142 | 0.753 | 0.121427386 | count | 1 |
| NRBF2 | 0.086009 | 0.0787632 | 1.092 | 0.275 | 0.121524297 | count | 1 |
| KCTD12 | 0.087145 | 0.0914434 | 0.953 | 0.341 | 0.121612038 | count | 1 |
| IFITM3 | 0.0847198 | 0.0610541 | 1.3876 | 0.165 | 0.121637523 | count | 1 |
| TOPBP1 | 0.1060375 | 0.228321 | 0.4644 | 0.642 | 0.121863614 | count | 1 |
| NDUFAF2 | 0.0897118 | 0.1644197 | 0.5456 | 0.585 | 0.121903591 | count | 1 |
| NT5C3A | 0.0927926 | 0.2178493 | 0.4259 | 0.67 | 0.12201781 | count | 1 |
| DOCK1 | 0.1660042 | 0.42505 | 0.3906 | 0.696 | 0.12202038 | count | 1 |
| IFIT3 | 0.0906685 | 0.2588276 | 0.3503 | 0.726 | 0.122056783 | count | 1 |
| CD83 | 0.0849885 | 0.0482941 | 1.7598 | 0.0786 | 0.122095777 | count | 1 |
| SSBP4 | 0.0878753 | 0.1122523 | 0.7828 | 0.434 | 0.122264555 | count | 1 |
| VPS9D1 | 0.1184886 | 0.3296462 | 0.3594 | 0.719 | 0.122336847 | count | 1 |
| ESRRA | 0.0956622 | 0.1982983 | 0.4824 | 0.63 | 0.122338488 | count | 1 |
| SMIM10L1 | 0.0894748 | 0.1422413 | 0.629 | 0.529 | 0.122478426 | count | 1 |
| ZNF717 | 0.1479795 | 0.5574102 | 0.2655 | 0.791 | 0.122652214 | count | 1 |
| SP110 | 0.0870126 | 0.0856318 | 1.0161 | 0.31 | 0.12272692 | count | 1 |
| CDK12 | 0.0917294 | 0.1434263 | 0.6396 | 0.523 | 0.122737147 | count | 1 |
| ATP5PB | 0.0864931 | 0.0591885 | 1.4613 | 0.144 | 0.122790851 | count | 1 |
| IL6R | 0.0903499 | 0.1390665 | 0.6497 | 0.516 | 0.12284014 | count | 1 |
| CAPNS1 | 0.0868207 | 0.0666974 | 1.3017 | 0.193 | 0.122842333 | count | 1 |
| CDK20 | 0.3375423 | 0.6969216 | 0.4843 | 0.628 | 0.122976749 | count | 1 |
| HPSE | 0.0912223 | 0.1654728 | 0.5513 | 0.581 | 0.123027377 | count | 1 |
| G0S2 | 0.08566 | 0.1448631 | 0.5913 | 0.554 | 0.123046557 | count | 1 |
| RPL23A | 0.0855505 | 0.031843 | 2.6866 | 0.00727 | 0.123057032 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|---------|-------------|-------|---|
| SEPHS1 | 0.108949 | 0.2563153 | 0.4251 | 0.671 | 0.123059281 | count | 1 |
| RAB24 | 0.1675639 | 0.4101649 | 0.4085 | 0.683 | 0.123197195 | count | 1 |
| ZNF787 | 0.0926909 | 0.1433145 | 0.6468 | 0.518 | 0.123320453 | count | 1 |
| LAS1L | 0.1015528 | 0.2852202 | 0.3561 | 0.722 | 0.123321613 | count | 1 |
| TRIM36 | 0.2033611 | 0.5446122 | 0.3734 | 0.709 | 0.12360053 | count | 1 |
| ZNF24 | 0.0905108 | 0.1405102 | 0.6442 | 0.52 | 0.123845016 | count | 1 |
| PNN | 0.0880219 | 0.075124 | 1.1717 | 0.241 | 0.123961843 | count | 1 |
| FBXO11 | 0.095186 | 0.159121 | 0.5982 | 0.55 | 0.123975404 | count | 1 |
| EIF2AK1 | 0.0938678 | 0.1678512 | 0.5592 | 0.576 | 0.124062972 | count | 1 |
| ZNF672 | 0.1026853 | 0.2454032 | 0.4184 | 0.676 | 0.124109185 | count | 1 |
| SEC11A | 0.0867333 | 0.0430716 | 2.0137 | 0.0442 | 0.124171992 | count | 1 |
| CBL | 0.0927082 | 0.143412 | 0.6464 | 0.518 | 0.12421151 | count | 1 |
| PARP11 | 0.108571 | 0.3625835 | 0.2994 | 0.765 | 0.124280721 | count | 1 |
| IQCK | 0.3409784 | 0.5891933 | 0.5787 | 0.563 | 0.124327442 | count | 1 |
| LINC02352 | 0.1931097 | 0.6459019 | 0.299 | 0.765 | 0.124347642 | count | 1 |
| SCAF4 | 0.1017689 | 0.2304573 | 0.4416 | 0.659 | 0.124417311 | count | 1 |
| C11orf1 | 0.1000324 | 0.2724828 | 0.3671 | 0.714 | 0.124420513 | count | 1 |
| EDA | 0.1692681 | 0.3648134 | 0.464 | 0.643 | 0.124483665 | count | 1 |
| CCDC127 | 0.1030771 | 0.2396904 | 0.43 | 0.667 | 0.124585312 | count | 1 |
| LAMTOR4 | 0.0870328 | 0.0432616 | 2.0118 | 0.0444 | 0.124710852 | count | 1 |
| MAGOHB | 0.0975413 | 0.199159 | 0.4898 | 0.624 | 0.124750283 | count | 1 |
| GRK4 | 0.261348 | 0.804682 | 0.3248 | 0.745 | 0.12476436 | count | 1 |
| PFDN5 | 0.0866658 | 0.0274458 | 3.1577 | 0.00161 | 0.124773345 | count | 1 |
| SLC35E2B | 0.1321969 | 0.6199522 | 0.2132 | 0.831 | 0.124869336 | count | 1 |
| SETD4 | 0.138618 | 0.4083751 | 0.3394 | 0.734 | 0.124879598 | count | 1 |
| TESMIN | 0.2378602 | 0.6009633 | 0.3958 | 0.692 | 0.124947206 | count | 1 |
| 4-Sep | 0.1846313 | 0.9206811 | 0.2005 | 0.841 | 0.125004402 | count | 1 |
| CHMP4A | 0.0890263 | 0.0972038 | 0.9159 | 0.36 | 0.125145125 | count | 1 |
| RASSF7 | 0.1201719 | 0.3085682 | 0.3894 | 0.697 | 0.125171978 | count | 1 |
| ELAVL4 | 0.1944606 | 0.4625466 | 0.4204 | 0.674 | 0.12524752 | count | 1 |
| TXN2 | 0.0894089 | 0.0869105 | 1.0287 | 0.304 | 0.125427287 | count | 1 |
| PHF20L1 | 0.0902647 | 0.1013646 | 0.8905 | 0.373 | 0.125433182 | count | 1 |
| TERF1 | 0.1037828 | 0.1929682 | 0.5378 | 0.591 | 0.125442945 | count | 1 |
| PTRH2 | 0.0953477 | 0.1614237 | 0.5907 | 0.555 | 0.125470371 | count | 1 |
| ZNF276 | 0.1250437 | 0.2894875 | 0.4319 | 0.666 | 0.125498153 | count | 1 |
| NFKBIB | 0.10366 | 0.2763998 | 0.375 | 0.708 | 0.125597712 | count | 1 |
| AC104596.1 | 0.5680355 | 1.0693511 | 0.5312 | 0.595 | 0.125783925 | count | 1 |
| AL035530.2 | 0.5680355 | 1.0693511 | 0.5312 | 0.595 | 0.125783925 | count | 1 |
| DNMBP-AS1 | 0.5680355 | 1.0693511 | 0.5312 | 0.595 | 0.125783925 | count | 1 |
| ESPL1 | 0.5680355 | 1.0304698 | 0.5512 | 0.582 | 0.125783925 | count | 1 |
| SGCG | 0.5680355 | 1.0304698 | 0.5512 | 0.582 | 0.125783925 | count | 1 |
| ASB2 | 0.5680355 | 1.0693511 | 0.5312 | 0.595 | 0.125783925 | count | 1 |
| USP3-AS1 | 0.5680355 | 1.0304698 | 0.5512 | 0.582 | 0.125783925 | count | 1 |
| AC005696.4 | 0.5680355 | 1.0693511 | 0.5312 | 0.595 | 0.125783925 | count | 1 |
| PLCD3 | 0.5680355 | 1.0693511 | 0.5312 | 0.595 | 0.125783925 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|---|
| C20orf204 | 0.5680355 | 1.0304698 | 0.5512 | 0.582 | 0.125783925 | count | 1 |
| GRIN2D | 0.5680355 | 1.0304698 | 0.5512 | 0.582 | 0.125783925 | count | 1 |
| IQCH-AS1 | 0.2966489 | 0.5561782 | 0.5334 | 0.594 | 0.125907729 | count | 1 |
| AP3S2 | 0.123245 | 0.3576265 | 0.3446 | 0.73 | 0.126148143 | count | 1 |
| SLC7A8 | 0.1006158 | 0.2410556 | 0.4174 | 0.676 | 0.126172365 | count | 1 |
| CNBP | 0.0883728 | 0.0486028 | 1.8183 | 0.0691 | 0.126204561 | count | 1 |
| DCTN6 | 0.0923434 | 0.1640201 | 0.563 | 0.573 | 0.126300804 | count | 1 |
| U62317.3 | 0.196096 | 1.1633922 | 0.1686 | 0.866 | 0.126337439 | count | 1 |
| KIDINS220 | 0.0947101 | 0.1401225 | 0.6759 | 0.499 | 0.126563452 | count | 1 |
| ZCCHC4 | 0.1431002 | 0.4774654 | 0.2997 | 0.764 | 0.126613397 | count | 1 |
| BARD1 | 0.1023599 | 0.2571098 | 0.3981 | 0.691 | 0.126649031 | count | 1 |
| PHF2 | 0.1138685 | 0.2855779 | 0.3987 | 0.69 | 0.126743805 | count | 1 |
| ICAM1 | 0.0941049 | 0.1446777 | 0.6504 | 0.515 | 0.126785943 | count | 1 |
| ERP44 | 0.0897072 | 0.0708404 | 1.2663 | 0.206 | 0.126807273 | count | 1 |
| WASF2 | 0.088924 | 0.0572492 | 1.5533 | 0.12 | 0.126815268 | count | 1 |
| BPTF | 0.0911017 | 0.1157588 | 0.787 | 0.431 | 0.126872067 | count | 1 |
| KRT10 | 0.0893612 | 0.0782416 | 1.1421 | 0.254 | 0.126926431 | count | 1 |
| ASB3 | 0.2231785 | 0.5781512 | 0.386 | 0.7 | 0.126988736 | count | 1 |
| NDEL1 | 0.0931487 | 0.1255085 | 0.7422 | 0.458 | 0.127015852 | count | 1 |
| RPL26L1 | 0.0913323 | 0.1281213 | 0.7129 | 0.476 | 0.12707953 | count | 1 |
| MACF1 | 0.0911045 | 0.1165797 | 0.7815 | 0.435 | 0.127164698 | count | 1 |
| ATG14 | 0.1079249 | 0.2589083 | 0.4168 | 0.677 | 0.127224154 | count | 1 |
| BCL11A | 0.100751 | 0.2828701 | 0.3562 | 0.722 | 0.127441505 | count | 1 |
| RNF114 | 0.0917148 | 0.0985583 | 0.9306 | 0.352 | 0.127546206 | count | 1 |
| CKLF | 0.0893699 | 0.0642917 | 1.3901 | 0.1646 | 0.127566443 | count | 1 |
| DTNB | 0.135124 | 0.4447642 | 0.3038 | 0.761 | 0.127675975 | count | 1 |
| ARL8A | 0.091975 | 0.0980642 | 0.9379 | 0.348 | 0.127697938 | count | 1 |
| GNAI3 | 0.0906335 | 0.0841627 | 1.0769 | 0.282 | 0.1279068 | count | 1 |
| EXOC3 | 0.1002458 | 0.2571477 | 0.3898 | 0.697 | 0.128075318 | count | 1 |
| PTS | 0.0967828 | 0.1747348 | 0.5539 | 0.58 | 0.128077041 | count | 1 |
| CYB561D2 | 0.0940002 | 0.1270424 | 0.7399 | 0.459 | 0.128146962 | count | 1 |
| SNX17 | 0.091706 | 0.0882611 | 1.039 | 0.299 | 0.128192522 | count | 1 |
| SPECC1L | 0.1812399 | 0.5356874 | 0.3383 | 0.735 | 0.128311147 | count | 1 |
| MIEN1 | 0.0912181 | 0.0903685 | 1.0094 | 0.313 | 0.128345475 | count | 1 |
| CAMTA2 | 0.1153955 | 0.313646 | 0.3679 | 0.713 | 0.128458028 | count | 1 |
| FXYD5 | 0.0895045 | 0.0375253 | 2.3852 | 0.0171 | 0.128643526 | count | 1 |
| RPLP2 | 0.0893626 | 0.0250003 | 3.5745 | 0.000358 | 0.128721223 | count | 1 |
| CRYBB1 | 0.1169118 | 0.3601136 | 0.3247 | 0.745 | 0.1287273 | count | 1 |
| PEX14 | 0.1819074 | 0.4587316 | 0.3965 | 0.692 | 0.128797754 | count | 1 |
| ITPK1 | 0.1043047 | 0.1789904 | 0.5827 | 0.56 | 0.128825772 | count | 1 |
| ANKS1A | 0.1052145 | 0.203 | 0.5183 | 0.604 | 0.128924693 | count | 1 |
| FAM53C | 0.0959149 | 0.1446039 | 0.6633 | 0.507 | 0.128937382 | count | 1 |
| ALG14 | 0.1147946 | 0.4299257 | 0.267 | 0.789 | 0.129093749 | count | 1 |
| AL669831.5 | 0.1521045 | 0.5578507 | 0.2727 | 0.785 | 0.129192869 | count | 1 |
| PFKL | 0.0945673 | 0.1242781 | 0.7609 | 0.447 | 0.129230673 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|--------|-------------|-------|---|
| TK2 | 0.1023021 | 0.1979414 | 0.5168 | 0.605 | 0.129234717 | count | 1 |
| SLC1A5 | 0.1161224 | 0.2530417 | 0.4589 | 0.646 | 0.129274181 | count | 1 |
| STAM-AS1 | 0.2005492 | 0.7003578 | 0.2864 | 0.775 | 0.129308262 | count | 1 |
| AC006449.2 | 0.2005492 | 0.6587622 | 0.3044 | 0.761 | 0.129308262 | count | 1 |
| PPP1R12A | 0.0924038 | 0.095454 | 0.968 | 0.333 | 0.129423106 | count | 1 |
| SAMM50 | 0.1015846 | 0.2019174 | 0.5031 | 0.615 | 0.129486907 | count | 1 |
| BRD2 | 0.0924538 | 0.1070718 | 0.8635 | 0.388 | 0.129519549 | count | 1 |
| POLR2C | 0.101261 | 0.1794874 | 0.5642 | 0.573 | 0.1295254 | count | 1 |
| SOCS2 | 0.3048503 | 0.4411315 | 0.6911 | 0.49 | 0.129622626 | count | 1 |
| AKAP13 | 0.0913754 | 0.0804146 | 1.1363 | 0.256 | 0.129643996 | count | 1 |
| PBX2 | 0.1076112 | 0.2195233 | 0.4902 | 0.624 | 0.129773206 | count | 1 |
| P4HTM | 0.108774 | 0.2795481 | 0.3891 | 0.697 | 0.129787631 | count | 1 |
| RIPK2 | 0.0933945 | 0.0939312 | 0.9943 | 0.32 | 0.129938672 | count | 1 |
| NARS | 0.0941982 | 0.1000102 | 0.9419 | 0.346 | 0.130089274 | count | 1 |
| CD1C | 0.0993123 | 0.2611738 | 0.3803 | 0.704 | 0.130162638 | count | 1 |
| ORC5 | 0.1271958 | 0.5036755 | 0.2525 | 0.801 | 0.130240453 | count | 1 |
| SP4 | 0.1534648 | 0.392041 | 0.3915 | 0.695 | 0.130371775 | count | 1 |
| TSMF | 0.1011682 | 0.2139351 | 0.4729 | 0.636 | 0.130373218 | count | 1 |
| AL392172.1 | 0.0995028 | 0.2370523 | 0.4198 | 0.675 | 0.130413055 | count | 1 |
| TRIP12 | 0.0952238 | 0.1279658 | 0.7441 | 0.457 | 0.130497681 | count | 1 |
| RYK | 0.1044181 | 0.238961 | 0.437 | 0.662 | 0.130550688 | count | 1 |
| S1PR1 | 0.2291804 | 0.4792088 | 0.4782 | 0.633 | 0.130554385 | count | 1 |
| TENT5C | 0.2291804 | 0.4819546 | 0.4755 | 0.634 | 0.130554385 | count | 1 |
| PQLC1 | 0.0940686 | 0.0995454 | 0.945 | 0.345 | 0.130637821 | count | 1 |
| QRSL1 | 0.1208384 | 0.2791947 | 0.4328 | 0.665 | 0.13065129 | count | 1 |
| NAPA-AS1 | 0.2483207 | 0.5244798 | 0.4735 | 0.636 | 0.130716816 | count | 1 |
| LARP4B | 0.1036646 | 0.2923185 | 0.3546 | 0.723 | 0.13078047 | count | 1 |
| RPS4Y1 | 0.0911659 | 0.0483874 | 1.8841 | 0.0597 | 0.130862751 | count | 1 |
| SAAL1 | 0.1385305 | 0.3647534 | 0.3798 | 0.704 | 0.13094447 | count | 1 |
| PLEKHA7 | 0.9849361 | 0.6592556 | 1.494 | 0.135 | 0.130980424 | count | 1 |
| TP53 | 0.1176513 | 0.2752759 | 0.4274 | 0.669 | 0.130991082 | count | 1 |
| MRPL2 | 0.1055053 | 0.2212295 | 0.4769 | 0.633 | 0.131031658 | count | 1 |
| RRP36 | 0.0981029 | 0.1673617 | 0.5862 | 0.558 | 0.131108018 | count | 1 |
| AP006621.3 | 0.1934154 | 0.7269428 | 0.2661 | 0.79 | 0.131147175 | count | 1 |
| EML2 | 0.120565 | 0.3228538 | 0.3734 | 0.709 | 0.131195555 | count | 1 |
| WRAP73 | 0.1102953 | 0.2092564 | 0.5271 | 0.598 | 0.131236007 | count | 1 |
| ABCF2 | 0.1336073 | 0.3110036 | 0.4296 | 0.668 | 0.13125379 | count | 1 |
| FAM3A | 0.1061969 | 0.2393113 | 0.4438 | 0.657 | 0.131419871 | count | 1 |
| MTHFD1 | 0.133849 | 0.4256396 | 0.3145 | 0.753 | 0.131494511 | count | 1 |
| PBRM1 | 0.0959539 | 0.1234904 | 0.777 | 0.437 | 0.131499799 | count | 1 |
| MTHFR | 0.1026289 | 0.2003002 | 0.5124 | 0.608 | 0.131856452 | count | 1 |
| RNF41 | 0.1042989 | 0.1784556 | 0.5845 | 0.559 | 0.131948065 | count | 1 |
| ZNF771 | 0.2505939 | 0.6595197 | 0.38 | 0.704 | 0.131973554 | count | 1 |
| KRBA2 | 0.2505939 | 0.6596397 | 0.3799 | 0.704 | 0.131973554 | count | 1 |
| NUP85 | 0.1267992 | 0.3319488 | 0.382 | 0.703 | 0.132153914 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|---------|-------------|-------|---|
| MTG2 | 0.115901 | 0.323914 | 0.3578 | 0.721 | 0.132169003 | count | 1 |
| MALAT1 | 0.0916432 | 0.0418049 | 2.1922 | 0.02846 | 0.132206698 | count | 1 |
| FAM32A | 0.0949317 | 0.1230213 | 0.7717 | 0.44 | 0.132262393 | count | 1 |
| MED23 | 0.1468191 | 0.3146548 | 0.4666 | 0.641 | 0.132399497 | count | 1 |
| AC103706.1 | 0.2173371 | 0.4905586 | 0.443 | 0.658 | 0.132435692 | count | 1 |
| LSG1 | 0.1075044 | 0.2581196 | 0.4165 | 0.677 | 0.132543512 | count | 1 |
| AP3B1 | 0.0966698 | 0.124349 | 0.7774 | 0.437 | 0.132869201 | count | 1 |
| CHAMP1 | 0.1068124 | 0.2711583 | 0.3939 | 0.694 | 0.132893886 | count | 1 |
| SREBF1 | 0.104509 | 0.229922 | 0.4545 | 0.649 | 0.132903742 | count | 1 |
| RDH11 | 0.0997663 | 0.1437542 | 0.694 | 0.488 | 0.132957487 | count | 1 |
| AC020909.2 | 0.1450528 | 0.4168832 | 0.3479 | 0.728 | 0.133046026 | count | 1 |
| ILF2 | 0.0946138 | 0.0777773 | 1.2165 | 0.224 | 0.133100727 | count | 1 |
| CCDC97 | 0.1209853 | 0.2888818 | 0.4188 | 0.675 | 0.133254145 | count | 1 |
| AATF | 0.0998581 | 0.1578412 | 0.6326 | 0.527 | 0.133273065 | count | 1 |
| WDR45B | 0.0983996 | 0.1306472 | 0.7532 | 0.451 | 0.133501011 | count | 1 |
| MMGT1 | 0.1057199 | 0.2082633 | 0.5076 | 0.612 | 0.133570761 | count | 1 |
| RNASEH2C | 0.0945103 | 0.0815774 | 1.1585 | 0.247 | 0.13357922 | count | 1 |
| SCRN1 | 0.1236172 | 0.2877323 | 0.4296 | 0.668 | 0.133685893 | count | 1 |
| RBM4 | 0.1189442 | 0.3122597 | 0.3809 | 0.703 | 0.133799928 | count | 1 |
| DPM3 | 0.0970022 | 0.1184959 | 0.8186 | 0.413 | 0.133802995 | count | 1 |
| DYNLL2 | 0.1049806 | 0.2224929 | 0.4718 | 0.637 | 0.133991962 | count | 1 |
| PTP4A1 | 0.0979368 | 0.1257877 | 0.7786 | 0.436 | 0.134022653 | count | 1 |
| ZBTB33 | 0.1285941 | 0.3834231 | 0.3354 | 0.737 | 0.134046217 | count | 1 |
| DDX50 | 0.1034428 | 0.2069739 | 0.4998 | 0.617 | 0.134074407 | count | 1 |
| ERMN | 1.004202 | 0.8263364 | 1.2152 | 0.224 | 0.134092081 | count | 1 |
| AC021321.1 | 1.004202 | 0.9831385 | 1.0214 | 0.307 | 0.134092081 | count | 1 |
| SOX6 | 1.004202 | 1.119051 | 0.8974 | 0.37 | 0.134092081 | count | 1 |
| GOLGA6L4 | 1.004202 | 1.030436 | 0.9745 | 0.33 | 0.134092081 | count | 1 |
| RTN4RL2 | 0.1979933 | 0.5718298 | 0.3462 | 0.729 | 0.134355256 | count | 1 |
| FAM102B | 0.1020866 | 0.2039829 | 0.5005 | 0.617 | 0.134452123 | count | 1 |
| COMT | 0.094414 | 0.0623946 | 1.5132 | 0.13 | 0.13447313 | count | 1 |
| LINC02076 | 0.3157764 | 1.2359528 | 0.2555 | 0.798 | 0.134590365 | count | 1 |
| WNT5B | 0.602915 | 0.6027943 | 1.0002 | 0.317 | 0.134638385 | count | 1 |
| FER | 0.1186569 | 0.2474691 | 0.4795 | 0.632 | 0.134736833 | count | 1 |
| ZCCHC8 | 0.1224895 | 0.2156654 | 0.568 | 0.57 | 0.134926428 | count | 1 |
| HAGH | 0.0979642 | 0.1017869 | 0.9624 | 0.336 | 0.13493449 | count | 1 |
| MRPS36 | 0.0963747 | 0.0986051 | 0.9774 | 0.328 | 0.134943373 | count | 1 |
| PPP1R21 | 0.1169254 | 0.2071294 | 0.5645 | 0.572 | 0.135010027 | count | 1 |
| RIPK1 | 0.1055861 | 0.2132165 | 0.4952 | 0.62 | 0.135079263 | count | 1 |
| LRRC8B | 0.1771326 | 0.5500553 | 0.322 | 0.747 | 0.135152416 | count | 1 |
| MANBAL | 0.1307978 | 0.2997199 | 0.4364 | 0.663 | 0.135198957 | count | 1 |
| ATXN7 | 0.2564532 | 0.6631295 | 0.3867 | 0.699 | 0.13521767 | count | 1 |
| PHB2 | 0.0957806 | 0.0778885 | 1.2297 | 0.219 | 0.135259966 | count | 1 |
| CCDC34 | 0.1774988 | 0.4752402 | 0.3735 | 0.709 | 0.135439306 | count | 1 |
| NMT2 | 0.1677903 | 0.6134835 | 0.2735 | 0.784 | 0.135852171 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|---|
| TMEM267 | 0.1535016 | 0.3967163 | 0.3869 | 0.699 | 0.135992553 | count | 1 |
| TPCN2 | 0.1242412 | 0.3278514 | 0.379 | 0.705 | 0.136070434 | count | 1 |
| CFLAR | 0.0967364 | 0.0962984 | 1.0045 | 0.315 | 0.136413174 | count | 1 |
| FAAP20 | 0.0972987 | 0.097336 | 0.9996 | 0.318 | 0.136454603 | count | 1 |
| UPF2 | 0.0985671 | 0.1348321 | 0.731 | 0.465 | 0.136510743 | count | 1 |
| TXNDC15 | 0.1015918 | 0.148106 | 0.6859 | 0.493 | 0.136742891 | count | 1 |
| SMDT1 | 0.0962369 | 0.0638472 | 1.5073 | 0.132 | 0.136863969 | count | 1 |
| C3orf38 | 0.1065451 | 0.2015474 | 0.5286 | 0.597 | 0.136906991 | count | 1 |
| PPP6R3 | 0.1065287 | 0.1824603 | 0.5838 | 0.559 | 0.137028504 | count | 1 |
| RTN1 | 0.126733 | 0.205911 | 0.6155 | 0.538 | 0.137090058 | count | 1 |
| YIPF1 | 0.109459 | 0.2464352 | 0.4442 | 0.657 | 0.137100393 | count | 1 |
| SLC27A5 | 0.1578528 | 0.3958364 | 0.3988 | 0.69 | 0.137141147 | count | 1 |
| AC073389.1 | 0.2858546 | 0.9257076 | 0.3088 | 0.758 | 0.137166803 | count | 1 |
| LATS2-AS1 | 0.2858546 | 0.8506572 | 0.336 | 0.737 | 0.137166803 | count | 1 |
| DPH1 | 0.2858546 | 0.7777886 | 0.3675 | 0.713 | 0.137166803 | count | 1 |
| ZNF681 | 0.2858546 | 0.7142045 | 0.4002 | 0.689 | 0.137166803 | count | 1 |
| AL080276.2 | 0.4568268 | 0.6908814 | 0.6612 | 0.509 | 0.137205112 | count | 1 |
| MTF1 | 0.1121992 | 0.3090685 | 0.363 | 0.717 | 0.137239737 | count | 1 |
| CMTM8 | 0.2125296 | 0.5396016 | 0.3939 | 0.694 | 0.137322073 | count | 1 |
| BCAP29 | 0.0987554 | 0.1151713 | 0.8575 | 0.391 | 0.137334342 | count | 1 |
| CD276 | 0.1297174 | 0.3191022 | 0.4065 | 0.684 | 0.137408234 | count | 1 |
| RANBP6 | 0.1233648 | 0.2932584 | 0.4207 | 0.674 | 0.137410391 | count | 1 |
| TNIK | 0.2025371 | 0.4336166 | 0.4671 | 0.64 | 0.13754398 | count | 1 |
| ZNF281 | 0.1059359 | 0.1585866 | 0.668 | 0.504 | 0.137559913 | count | 1 |
| SFPQ | 0.0966232 | 0.0591836 | 1.6326 | 0.103 | 0.137727335 | count | 1 |
| ZMYM1 | 0.1418695 | 0.378769 | 0.3746 | 0.708 | 0.137801602 | count | 1 |
| TBC1D25 | 0.1704117 | 0.5288375 | 0.3222 | 0.747 | 0.138025463 | count | 1 |
| NEU1 | 0.0997901 | 0.1166691 | 0.8553 | 0.392 | 0.138115252 | count | 1 |
| MIR503HG | 0.323733 | 0.5428122 | 0.5964 | 0.551 | 0.138221273 | count | 1 |
| PHRF1 | 0.1152021 | 0.3062925 | 0.3761 | 0.707 | 0.138264802 | count | 1 |
| HEMK1 | 0.1757144 | 0.3675569 | 0.4781 | 0.633 | 0.138386508 | count | 1 |
| CLPTM1 | 0.1064025 | 0.1940617 | 0.5483 | 0.584 | 0.138404273 | count | 1 |
| RUFY3 | 0.1113428 | 0.2256285 | 0.4935 | 0.622 | 0.138793973 | count | 1 |
| METTL5 | 0.1000427 | 0.1135064 | 0.8814 | 0.378 | 0.138880844 | count | 1 |
| CSNK1G2 | 0.1044895 | 0.1366754 | 0.7645 | 0.445 | 0.138915767 | count | 1 |
| B3GNT8 | 0.1540163 | 0.4122421 | 0.3736 | 0.709 | 0.139010433 | count | 1 |
| RPIA | 0.1079582 | 0.1859784 | 0.5805 | 0.562 | 0.139016346 | count | 1 |
| METTL21A | 0.1055729 | 0.1709863 | 0.6174 | 0.537 | 0.139057418 | count | 1 |
| RPL18A | 0.0964945 | 0.0260076 | 3.7102 | 0.000212 | 0.139063861 | count | 1 |
| DNAH17 | 0.2047126 | 0.4796888 | 0.4268 | 0.67 | 0.139072285 | count | 1 |
| WDR83OS | 0.0973319 | 0.0517468 | 1.8809 | 0.0601 | 0.139170529 | count | 1 |
| CUEDC2 | 0.1001393 | 0.1057079 | 0.9473 | 0.344 | 0.13937599 | count | 1 |
| FBXO38 | 0.1161645 | 0.275575 | 0.4215 | 0.673 | 0.139427167 | count | 1 |
| CD40 | 0.103718 | 0.1510535 | 0.6866 | 0.492 | 0.139715189 | count | 1 |
| UQCRC2 | 0.0995949 | 0.0822848 | 1.2104 | 0.226 | 0.139746444 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|----------|
| AC127002.1 | 0.3799147 | 0.7356077 | 0.5165 | 0.606 | 0.139764933 | count | 1 |
| AC027682.6 | 0.3799147 | 0.809365 | 0.4694 | 0.639 | 0.139764933 | count | 1 |
| MRPL3 | 0.101637 | 0.1131943 | 0.8979 | 0.369 | 0.139953683 | count | 1 |
| KMT2E | 0.0990094 | 0.0868096 | 1.1405 | 0.254 | 0.13998309 | count | 1 |
| SLF1 | 0.1459491 | 0.2796546 | 0.5219 | 0.602 | 0.139997724 | count | 1 |
| UFC1 | 0.0985991 | 0.0638589 | 1.544 | 0.123 | 0.140002804 | count | 1 |
| TNFAIP8 | 0.101114 | 0.1084306 | 0.9325 | 0.351 | 0.14013252 | count | 1 |
| TTC5 | 0.1223306 | 0.2784092 | 0.4394 | 0.66 | 0.140160219 | count | 1 |
| CDR2L | 0.6245294 | 0.6159681 | 1.0139 | 0.311 | 0.140185234 | count | 1 |
| TPST2 | 0.1029543 | 0.1260463 | 0.8168 | 0.414 | 0.140305552 | count | 1 |
| NME6 | 0.1157642 | 0.2188459 | 0.529 | 0.597 | 0.140351712 | count | 1 |
| ANGEL1 | 0.1733437 | 0.4669518 | 0.3712 | 0.711 | 0.14045803 | count | 1 |
| MUC20-OT1 | 0.1056411 | 0.174529 | 0.6053 | 0.545 | 0.140596027 | count | 1 |
| SLC25A42 | 0.6270848 | 0.6975737 | 0.899 | 0.369 | 0.140844003 | count | 1 |
| ZC2HC1A | 0.129386 | 0.2342222 | 0.5524 | 0.581 | 0.14089296 | count | 1 |
| CRIP3 | 1.0460113 | 0.9772792 | 1.0703 | 0.285 | 0.140898207 | count | 1 |
| AL021707.1 | 1.0460113 | 0.9772792 | 1.0703 | 0.285 | 0.140898207 | count | 1 |
| PIGN | 0.1340047 | 0.4121763 | 0.3251 | 0.745 | 0.140901984 | count | 1 |
| NBEAL1 | 0.1065903 | 0.1751967 | 0.6084 | 0.543 | 0.140926839 | count | 1 |
| POLR2M | 0.1470136 | 0.2887735 | 0.5091 | 0.611 | 0.141034988 | count | 1 |
| TREM1 | 0.0991821 | 0.0824195 | 1.2034 | 0.229 | 0.141175662 | count | 1 |
| ATG5 | 0.1050796 | 0.1664254 | 0.6314 | 0.528 | 0.141230845 | count | 1 |
| RPS9 | 0.0980838 | 0.0238177 | 4.1181 | 3.95E-05 | 0.14127388 | count | 0.931489 |
| KDM5B | 0.1112102 | 0.2401417 | 0.4631 | 0.643 | 0.141284248 | count | 1 |
| C10orf88 | 0.2081026 | 0.6045838 | 0.3442 | 0.731 | 0.141455847 | count | 1 |
| ZNF69 | 0.2081026 | 0.6222527 | 0.3344 | 0.738 | 0.141455847 | count | 1 |
| DAPL1 | 0.1316542 | 0.3609363 | 0.3648 | 0.715 | 0.141514438 | count | 1 |
| HIKESHI | 0.1029627 | 0.1322075 | 0.7788 | 0.436 | 0.141532234 | count | 1 |
| NOLC1 | 0.1094838 | 0.1582766 | 0.6917 | 0.489 | 0.141541037 | count | 1 |
| CDC42SE2 | 0.1041955 | 0.1225026 | 0.8506 | 0.395 | 0.141583707 | count | 1 |
| PGS1 | 0.1114796 | 0.2108725 | 0.5287 | 0.597 | 0.141627975 | count | 1 |
| ALDH3A2 | 0.1237582 | 0.2118904 | 0.5841 | 0.559 | 0.141809346 | count | 1 |
| C19orf66 | 0.1066138 | 0.1895894 | 0.5623 | 0.574 | 0.141821278 | count | 1 |
| GHDC | 0.1273488 | 0.2386348 | 0.5337 | 0.594 | 0.141889575 | count | 1 |
| AC239800.2 | 1.052649 | 0.7681175 | 1.3704 | 0.171 | 0.141985279 | count | 1 |
| AL158212.2 | 1.052649 | 0.6214817 | 1.6938 | 0.0904 | 0.141985279 | count | 1 |
| GNA15 | 0.104303 | 0.1340044 | 0.7784 | 0.436 | 0.142000063 | count | 1 |
| SLC7A5 | 0.1180146 | 0.2169188 | 0.544 | 0.586 | 0.142034695 | count | 1 |
| CCDC28A | 0.1062228 | 0.1745331 | 0.6086 | 0.543 | 0.142051688 | count | 1 |
| MOB3B | 0.1262925 | 0.280198 | 0.4507 | 0.652 | 0.142140313 | count | 1 |
| RBM26 | 0.1101118 | 0.1591048 | 0.6921 | 0.489 | 0.142489259 | count | 1 |
| PYCR2 | 0.1117738 | 0.2146636 | 0.5207 | 0.603 | 0.142529579 | count | 1 |
| PLOD3 | 0.1148361 | 0.2080216 | 0.552 | 0.581 | 0.142679959 | count | 1 |
| MARK3 | 0.1072134 | 0.1561193 | 0.6867 | 0.492 | 0.142694207 | count | 1 |
| MIR762HG | 0.1676569 | 0.5258479 | 0.3188 | 0.75 | 0.142695051 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|------------|
| AC019069.1 | 0.2701007 | 0.7489171 | 0.3607 | 0.718 | 0.142800584 | count | 1 |
| USP35 | 0.2701007 | 0.7397177 | 0.3651 | 0.715 | 0.142800584 | count | 1 |
| GADD45B | 0.0991695 | 0.0479766 | 2.067 | 0.0388 | 0.14280373 | count | 1 |
| ATP5F1B | 0.1008149 | 0.0560436 | 1.7989 | 0.0722 | 0.142867771 | count | 1 |
| NOL12 | 0.1394392 | 0.3714386 | 0.3754 | 0.707 | 0.142940592 | count | 1 |
| AL121987.2 | 0.3340584 | 0.7401298 | 0.4514 | 0.652 | 0.142949885 | count | 1 |
| RPL31 | 0.0998261 | 0.0378167 | 2.6397 | 0.00835 | 0.143082669 | count | 1 |
| PRKX | 0.1324338 | 0.2170909 | 0.61 | 0.542 | 0.143322646 | count | 1 |
| LONP1 | 0.1208198 | 0.2883594 | 0.419 | 0.675 | 0.143419719 | count | 1 |
| NBPF10 | 0.2509853 | 0.7008664 | 0.3581 | 0.72 | 0.143571632 | count | 1 |
| HOMER1 | 0.1826188 | 0.3491741 | 0.523 | 0.601 | 0.143968176 | count | 1 |
| SLC4A1AP | 0.1077969 | 0.1533315 | 0.703 | 0.482 | 0.144030641 | count | 1 |
| MIDN | 0.1016852 | 0.0856736 | 1.1869 | 0.235 | 0.144090972 | count | 1 |
| COMMD3 | 0.1044568 | 0.1034994 | 1.0092 | 0.313 | 0.14416816 | count | 1 |
| DNM1L | 0.1076335 | 0.1753997 | 0.6136 | 0.54 | 0.144319377 | count | 1 |
| FEZ2 | 0.1027537 | 0.0974186 | 1.0548 | 0.292 | 0.144373383 | count | 1 |
| MRPL4 | 0.1045168 | 0.1355214 | 0.7712 | 0.441 | 0.144527102 | count | 1 |
| PXK | 0.1119184 | 0.1676393 | 0.6676 | 0.504 | 0.144700332 | count | 1 |
| TTC8 | 0.1959791 | 0.4399599 | 0.4454 | 0.656 | 0.144731261 | count | 1 |
| ZDHHC18 | 0.1455054 | 0.3512788 | 0.4142 | 0.679 | 0.144761772 | count | 1 |
| SIGMAR1 | 0.1253763 | 0.2972729 | 0.4218 | 0.673 | 0.144846889 | count | 1 |
| CAMK2G | 0.1293493 | 0.3007279 | 0.4301 | 0.667 | 0.144888933 | count | 1 |
| UBXN6 | 0.118971 | 0.1650153 | 0.721 | 0.471 | 0.144933394 | count | 1 |
| DNPEP | 0.1085492 | 0.1558397 | 0.6965 | 0.486 | 0.144971089 | count | 1 |
| REST | 0.1051805 | 0.1196887 | 0.8788 | 0.38 | 0.144985051 | count | 1 |
| SNX20 | 0.1169034 | 0.1999546 | 0.5846 | 0.559 | 0.145004142 | count | 1 |
| NOD2 | 0.1323164 | 0.3042041 | 0.435 | 0.664 | 0.145005378 | count | 1 |
| POLDIP3 | 0.1255306 | 0.273535 | 0.4589 | 0.646 | 0.145026589 | count | 1 |
| ZNF326 | 0.1086769 | 0.154261 | 0.7045 | 0.481 | 0.145073887 | count | 1 |
| RPLP1 | 0.1006103 | 0.0220759 | 4.5575 | 5.43E-06 | 0.1450824 | count | 0.12888105 |
| NFATC2 | 0.1637104 | 0.3199838 | 0.5116 | 0.609 | 0.145220122 | count | 1 |
| COX18 | 0.1417564 | 0.3804146 | 0.3726 | 0.709 | 0.145347313 | count | 1 |
| WDR47 | 0.1638514 | 0.2752451 | 0.5953 | 0.552 | 0.145347723 | count | 1 |
| HNRNPA0 | 0.1031929 | 0.0736555 | 1.401 | 0.161 | 0.145439979 | count | 1 |
| DHX15 | 0.1143468 | 0.1658533 | 0.6894 | 0.491 | 0.145469309 | count | 1 |
| PILRA | 0.1020326 | 0.0601233 | 1.6971 | 0.0898 | 0.145540473 | count | 1 |
| TSPYL2 | 0.1142887 | 0.2311969 | 0.4943 | 0.621 | 0.145574287 | count | 1 |
| TRAP1 | 0.1214416 | 0.2292239 | 0.5298 | 0.596 | 0.145802771 | count | 1 |
| ACAT2 | 0.1163593 | 0.1862551 | 0.6247 | 0.532 | 0.146012023 | count | 1 |
| HOOK3 | 0.1047067 | 0.1022025 | 1.0245 | 0.306 | 0.146031653 | count | 1 |
| ZNF442 | 1.078448 | 0.9147384 | 1.179 | 0.239 | 0.146226283 | count | 1 |
| ZNF512B | 0.2764643 | 0.6357011 | 0.4349 | 0.664 | 0.146349078 | count | 1 |
| PLA2G12A | 0.2059508 | 0.4321775 | 0.4765 | 0.634 | 0.146390656 | count | 1 |
| CNOT7 | 0.1071053 | 0.1387653 | 0.7718 | 0.44 | 0.146462213 | count | 1 |
| TRPT1 | 0.1176878 | 0.2441561 | 0.482 | 0.63 | 0.146495698 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|------------|
| TMSB10 | 0.1016242 | 0.0230286 | 4.413 | 1.06E-05 | 0.146520736 | count | 0.2511882 |
| KPNA5 | 0.1429001 | 0.4003985 | 0.3569 | 0.721 | 0.146535553 | count | 1 |
| CLNS1A | 0.1049422 | 0.086449 | 1.2139 | 0.225 | 0.146574213 | count | 1 |
| CDC42EP1 | 0.159924 | 0.4630697 | 0.3454 | 0.73 | 0.146941329 | count | 1 |
| SRSF7 | 0.1032319 | 0.0687193 | 1.5022 | 0.133 | 0.147050862 | count | 1 |
| KHNYN | 0.1513404 | 0.2765805 | 0.5472 | 0.584 | 0.147147027 | count | 1 |
| ACO1 | 0.1334772 | 0.4554506 | 0.2931 | 0.769 | 0.147152909 | count | 1 |
| SIPA1 | 0.1098287 | 0.1498969 | 0.7327 | 0.464 | 0.14720798 | count | 1 |
| TBC1D12 | 0.1150505 | 0.195331 | 0.589 | 0.556 | 0.147238339 | count | 1 |
| TTLL3 | 0.172978 | 0.4353771 | 0.3973 | 0.691 | 0.147326539 | count | 1 |
| CCNI | 0.1029066 | 0.0447659 | 2.2988 | 0.0216 | 0.147484555 | count | 1 |
| DOCK5 | 0.10893 | 0.1830282 | 0.5952 | 0.552 | 0.14750336 | count | 1 |
| ASNA1 | 0.1068203 | 0.1117355 | 0.956 | 0.339 | 0.147568211 | count | 1 |
| FBXO6 | 0.122662 | 0.2004202 | 0.612 | 0.541 | 0.147664687 | count | 1 |
| TAOK1 | 0.1084426 | 0.153575 | 0.7061 | 0.48 | 0.147685573 | count | 1 |
| CCND2 | 0.1112727 | 0.1725152 | 0.645 | 0.519 | 0.147723192 | count | 1 |
| VIL1 | 0.4882519 | 0.9350717 | 0.5222 | 0.602 | 0.147725316 | count | 1 |
| AMT | 0.4882519 | 0.9383899 | 0.5203 | 0.603 | 0.147725316 | count | 1 |
| MELTF-AS1 | 0.4882519 | 0.9317417 | 0.524 | 0.6 | 0.147725316 | count | 1 |
| HIST1H3A | 0.4882519 | 0.9383899 | 0.5203 | 0.603 | 0.147725316 | count | 1 |
| ACSS3 | 0.4882519 | 1.1271663 | 0.4332 | 0.665 | 0.147725316 | count | 1 |
| ABHD12B | 0.4882519 | 0.9350717 | 0.5222 | 0.602 | 0.147725316 | count | 1 |
| CHRFAM7A | 0.4882519 | 0.9350717 | 0.5222 | 0.602 | 0.147725316 | count | 1 |
| TCAP | 0.4882519 | 0.9317417 | 0.524 | 0.6 | 0.147725316 | count | 1 |
| SDCBP2-AS1 | 0.4882519 | 0.9383899 | 0.5203 | 0.603 | 0.147725316 | count | 1 |
| WBP4 | 0.1078051 | 0.1275289 | 0.8453 | 0.398 | 0.147739183 | count | 1 |
| BTN2A2 | 0.1185685 | 0.1968474 | 0.6023 | 0.547 | 0.147848031 | count | 1 |
| SGF29 | 0.1241995 | 0.2451556 | 0.5066 | 0.612 | 0.147896379 | count | 1 |
| ELMSAN1 | 0.107942 | 0.1283801 | 0.8408 | 0.401 | 0.148249966 | count | 1 |
| RBM6 | 0.1102614 | 0.1631267 | 0.6759 | 0.499 | 0.148327427 | count | 1 |
| RTCA | 0.1102892 | 0.1509849 | 0.7305 | 0.465 | 0.148421557 | count | 1 |
| RPS27A | 0.1030094 | 0.0222155 | 4.6368 | 3.72E-06 | 0.148484346 | count | 0.08837232 |
| HNMT | 0.1045612 | 0.0753663 | 1.3874 | 0.165 | 0.148538596 | count | 1 |
| BTBD1 | 0.1194059 | 0.2031277 | 0.5878 | 0.557 | 0.148645653 | count | 1 |
| AC091729.3 | 0.2183254 | 0.6062725 | 0.3601 | 0.719 | 0.148658747 | count | 1 |
| SMG6 | 0.1205182 | 0.2853677 | 0.4223 | 0.673 | 0.148679231 | count | 1 |
| TBC1D9B | 0.1137354 | 0.1881143 | 0.6046 | 0.545 | 0.1486891 | count | 1 |
| MAPKAPK5 | 0.1314817 | 0.2811861 | 0.4676 | 0.64 | 0.148744925 | count | 1 |
| ELMOD3 | 0.188664 | 0.3149479 | 0.599 | 0.549 | 0.148863737 | count | 1 |
| MED24 | 0.1711459 | 0.3931385 | 0.4353 | 0.663 | 0.148941671 | count | 1 |
| CSP1 | 0.1368526 | 0.285627 | 0.4791 | 0.632 | 0.149111374 | count | 1 |
| AC093157.1 | 0.3092951 | 0.6092191 | 0.5077 | 0.612 | 0.149136802 | count | 1 |
| NKAPD1 | 0.1175046 | 0.2154545 | 0.5454 | 0.586 | 0.149317025 | count | 1 |
| OSBP | 0.1162364 | 0.2436119 | 0.4771 | 0.633 | 0.149411117 | count | 1 |
| NDUFAF8 | 0.1092739 | 0.1297013 | 0.8425 | 0.4 | 0.14987764 | count | 1 |

| | | | | | | | |
|-------------|-----------|-----------|--------|--------|-------------|-------|---|
| NDRG1 | 0.1117596 | 0.1902143 | 0.5875 | 0.557 | 0.149928466 | count | 1 |
| ABHD11 | 0.1259115 | 0.2235507 | 0.5632 | 0.573 | 0.14994945 | count | 1 |
| THAP9-AS1 | 0.1184021 | 0.1705512 | 0.6942 | 0.488 | 0.150073972 | count | 1 |
| CTBP2 | 0.1149081 | 0.1460675 | 0.7867 | 0.432 | 0.150112128 | count | 1 |
| PIGT | 0.1115559 | 0.1436483 | 0.7766 | 0.437 | 0.150187014 | count | 1 |
| ZNF358 | 0.1156135 | 0.2784202 | 0.4152 | 0.678 | 0.150429594 | count | 1 |
| DDI2 | 0.1195355 | 0.294614 | 0.4057 | 0.685 | 0.150467584 | count | 1 |
| C6orf136 | 0.1381962 | 0.3243548 | 0.4261 | 0.67 | 0.150591223 | count | 1 |
| STEAP4 | 0.2627436 | 0.3370964 | 0.7794 | 0.436 | 0.150631979 | count | 1 |
| ANAPC5 | 0.111585 | 0.1144695 | 0.9748 | 0.33 | 0.150659248 | count | 1 |
| CEP131 | 0.2213757 | 0.5672288 | 0.3903 | 0.696 | 0.150812344 | count | 1 |
| LRP8 | 0.4974013 | 0.8015641 | 0.6205 | 0.535 | 0.150812567 | count | 1 |
| CNN3 | 0.4974013 | 0.8043062 | 0.6184 | 0.536 | 0.150812567 | count | 1 |
| VANGL1 | 0.4974013 | 0.8192486 | 0.6071 | 0.544 | 0.150812567 | count | 1 |
| PLPP7 | 0.4974013 | 0.8015641 | 0.6205 | 0.535 | 0.150812567 | count | 1 |
| NTRK3 | 0.4974013 | 0.807039 | 0.6163 | 0.538 | 0.150812567 | count | 1 |
| AL035563.1 | 0.4974013 | 0.8192486 | 0.6071 | 0.544 | 0.150812567 | count | 1 |
| ELMOD2 | 0.1222401 | 0.2221345 | 0.5503 | 0.582 | 0.150815594 | count | 1 |
| BEND7 | 0.6655643 | 0.7463856 | 0.8917 | 0.373 | 0.150838868 | count | 1 |
| ZFHX2 | 0.6655643 | 0.6967689 | 0.9552 | 0.34 | 0.150838868 | count | 1 |
| AC123768.3 | 0.6655643 | 0.7929035 | 0.8394 | 0.401 | 0.150838868 | count | 1 |
| ZNF48 | 0.6655643 | 0.7463856 | 0.8917 | 0.373 | 0.150838868 | count | 1 |
| DDX21 | 0.1054751 | 0.061377 | 1.7185 | 0.0858 | 0.150937439 | count | 1 |
| PMFBP1 | 0.1487465 | 0.4115697 | 0.3614 | 0.718 | 0.151158575 | count | 1 |
| FO704657.1 | 1.108716 | 1.029867 | 1.0766 | 0.282 | 0.151233663 | count | 1 |
| AL354956.1 | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| TIE1 | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| HIST2H2AA3 | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| LINC01133 | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| AL451074.2 | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| AC009237.14 | 1.108716 | 1.029867 | 1.0766 | 0.282 | 0.151233663 | count | 1 |
| DNER | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| CAMP | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| LDB2 | 1.108716 | 1.029867 | 1.0766 | 0.282 | 0.151233663 | count | 1 |
| FAM47E | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| SORBS2 | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| PLCXD3 | 1.108716 | 1.029867 | 1.0766 | 0.282 | 0.151233663 | count | 1 |
| AC025175.1 | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| IRGM | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| HIST1H4F | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| HIST1H3H | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| CPNE5 | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| FILIP1 | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| AR | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| NXF3 | 1.108716 | 1.029867 | 1.0766 | 0.282 | 0.151233663 | count | 1 |

| | | | | | | | |
|-------------|-----------|-----------|--------|-------|-------------|-------|---|
| AC090186.1 | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| E2F5 | 1.108716 | 1.029867 | 1.0766 | 0.282 | 0.151233663 | count | 1 |
| PRRX2 | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| CCDC183-AS1 | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| AP000781.1 | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| AP001830.1 | 1.108716 | 1.029867 | 1.0766 | 0.282 | 0.151233663 | count | 1 |
| AP000866.2 | 1.108716 | 1.029867 | 1.0766 | 0.282 | 0.151233663 | count | 1 |
| CUBN | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| KCNIP2 | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| CLEC4C | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| AC087386.1 | 1.108716 | 1.029867 | 1.0766 | 0.282 | 0.151233663 | count | 1 |
| AC025043.1 | 1.108716 | 1.029867 | 1.0766 | 0.282 | 0.151233663 | count | 1 |
| AC106782.1 | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| MYO15A | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| AC005899.7 | 1.108716 | 1.029867 | 1.0766 | 0.282 | 0.151233663 | count | 1 |
| CSF3 | 1.108716 | 1.029867 | 1.0766 | 0.282 | 0.151233663 | count | 1 |
| HID1 | 1.108716 | 1.029867 | 1.0766 | 0.282 | 0.151233663 | count | 1 |
| MTRNR2L3 | 1.108716 | 1.029867 | 1.0766 | 0.282 | 0.151233663 | count | 1 |
| IGFL3 | 1.108716 | 1.029867 | 1.0766 | 0.282 | 0.151233663 | count | 1 |
| AC008440.1 | 1.108716 | 1.029867 | 1.0766 | 0.282 | 0.151233663 | count | 1 |
| AP000357.2 | 1.108716 | 1.029867 | 1.0766 | 0.282 | 0.151233663 | count | 1 |
| Z99774.1 | 1.108716 | 1.313742 | 0.8439 | 0.399 | 0.151233663 | count | 1 |
| CXADR | 1.108716 | 1.029867 | 1.0766 | 0.282 | 0.151233663 | count | 1 |
| PMM1 | 0.1202011 | 0.2690004 | 0.4468 | 0.655 | 0.151309554 | count | 1 |
| SAMD1 | 0.1159051 | 0.1748546 | 0.6629 | 0.507 | 0.151535547 | count | 1 |
| AK2 | 0.111678 | 0.1651198 | 0.6763 | 0.499 | 0.15164311 | count | 1 |
| AHCTF1 | 0.1155011 | 0.1515551 | 0.7621 | 0.446 | 0.151667022 | count | 1 |
| MTIF2 | 0.1212748 | 0.1889643 | 0.6418 | 0.521 | 0.151736177 | count | 1 |
| IARS2 | 0.1148869 | 0.1653364 | 0.6949 | 0.487 | 0.151746744 | count | 1 |
| PIGQ | 0.165074 | 0.3903972 | 0.4228 | 0.672 | 0.151763861 | count | 1 |
| KMT5A | 0.112795 | 0.1673441 | 0.674 | 0.5 | 0.151915945 | count | 1 |
| HUS1 | 0.1152707 | 0.1979485 | 0.5823 | 0.56 | 0.151970077 | count | 1 |
| TNFRSF4 | 0.2649915 | 0.5457251 | 0.4856 | 0.627 | 0.151984973 | count | 1 |
| SSR1 | 0.1081726 | 0.088832 | 1.2177 | 0.223 | 0.152010649 | count | 1 |
| HERC3 | 0.1331529 | 0.2870765 | 0.4638 | 0.643 | 0.15201929 | count | 1 |
| RPS6KB1 | 0.1315425 | 0.2162504 | 0.6083 | 0.543 | 0.152030717 | count | 1 |
| CDK11B | 0.1183747 | 0.1945224 | 0.6085 | 0.543 | 0.152171129 | count | 1 |
| ARAF | 0.1229179 | 0.2219012 | 0.5539 | 0.58 | 0.152229052 | count | 1 |
| CEPT1 | 0.1226989 | 0.259912 | 0.4721 | 0.637 | 0.152232578 | count | 1 |
| DHX37 | 0.1928302 | 0.541905 | 0.3558 | 0.722 | 0.15224223 | count | 1 |
| ZNF613 | 0.501931 | 0.7129042 | 0.7041 | 0.481 | 0.152344978 | count | 1 |
| AXL | 0.1116874 | 0.1990392 | 0.5611 | 0.575 | 0.152492779 | count | 1 |
| VIRMA | 0.1212842 | 0.1992353 | 0.6087 | 0.543 | 0.152679747 | count | 1 |
| DNAJA2 | 0.1098079 | 0.0976955 | 1.124 | 0.261 | 0.15270809 | count | 1 |
| NBPF11 | 0.2663787 | 0.6536397 | 0.4075 | 0.684 | 0.152820432 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-----------|
| MPRIP-AS1 | 0.2663787 | 0.704405 | 0.3782 | 0.705 | 0.152820432 | count | 1 |
| OSR2 | 0.6738629 | 0.9393992 | 0.7173 | 0.473 | 0.15301262 | count | 1 |
| PDZD7 | 0.6738629 | 0.8176064 | 0.8242 | 0.41 | 0.15301262 | count | 1 |
| CAPZA2 | 0.107502 | 0.0580107 | 1.8531 | 0.064 | 0.153017189 | count | 1 |
| CBX7 | 0.1537275 | 0.4721603 | 0.3256 | 0.745 | 0.153066854 | count | 1 |
| NANP | 0.1594592 | 0.4156728 | 0.3836 | 0.701 | 0.153178693 | count | 1 |
| AC133919.1 | 1.120929 | 0.8015909 | 1.3984 | 0.162 | 0.153263224 | count | 1 |
| SPACA6P-AS | 1.120929 | 1.019292 | 1.0997 | 0.272 | 0.153263224 | count | 1 |
| SAC3D1 | 0.1303143 | 0.2488439 | 0.5237 | 0.601 | 0.153322429 | count | 1 |
| ZMYND15 | 0.1273672 | 0.2061829 | 0.6177 | 0.537 | 0.15336738 | count | 1 |
| ING1 | 0.1133745 | 0.1276041 | 0.8885 | 0.374 | 0.153486705 | count | 1 |
| FXR1 | 0.1109077 | 0.1095834 | 1.0121 | 0.312 | 0.153586239 | count | 1 |
| PLA2G15 | 0.1173648 | 0.1905674 | 0.6159 | 0.538 | 0.153681192 | count | 1 |
| WBP1 | 0.3574899 | 0.8295939 | 0.4309 | 0.667 | 0.153749763 | count | 1 |
| MARS2 | 0.3574899 | 0.7088695 | 0.5043 | 0.614 | 0.153749763 | count | 1 |
| ZNF816 | 0.3574899 | 0.7033447 | 0.5083 | 0.611 | 0.153749763 | count | 1 |
| METTL25 | 0.1600574 | 0.3565128 | 0.449 | 0.654 | 0.153763143 | count | 1 |
| SNN | 0.1113109 | 0.1175918 | 0.9466 | 0.344 | 0.153781258 | count | 1 |
| SNHG18 | 0.5067329 | 1.1191883 | 0.4528 | 0.651 | 0.153972478 | count | 1 |
| ZKSCAN3 | 0.5067329 | 0.7311985 | 0.693 | 0.488 | 0.153972478 | count | 1 |
| SNAI3-AS1 | 0.5067329 | 0.7311985 | 0.693 | 0.488 | 0.153972478 | count | 1 |
| TMEM143 | 0.5067329 | 0.7125979 | 0.7111 | 0.477 | 0.153972478 | count | 1 |
| DDX19B | 0.1327603 | 0.2652399 | 0.5005 | 0.617 | 0.154038981 | count | 1 |
| FLII | 0.1141926 | 0.1257509 | 0.9081 | 0.364 | 0.15418827 | count | 1 |
| PCYT2 | 0.1399942 | 0.4096852 | 0.3417 | 0.733 | 0.154413724 | count | 1 |
| NUBPL | 0.226547 | 0.5182682 | 0.4371 | 0.662 | 0.154467986 | count | 1 |
| TPCN1 | 0.1280093 | 0.2334422 | 0.5484 | 0.583 | 0.15453881 | count | 1 |
| LCMT1 | 0.1169419 | 0.1874298 | 0.6239 | 0.533 | 0.154656182 | count | 1 |
| PJA2 | 0.1098762 | 0.089893 | 1.2223 | 0.222 | 0.154806808 | count | 1 |
| RALGAPA1 | 0.13349 | 0.3378124 | 0.3952 | 0.693 | 0.154892733 | count | 1 |
| UQCRB | 0.1079856 | 0.0396044 | 2.7266 | 0.00644 | 0.154910523 | count | 1 |
| H1FX | 0.1085861 | 0.0794245 | 1.3672 | 0.172 | 0.1549696 | count | 1 |
| C18orf54 | 0.5099814 | 0.8177831 | 0.6236 | 0.533 | 0.155075132 | count | 1 |
| PSMA6 | 0.1164311 | 0.2506677 | 0.4645 | 0.642 | 0.15507634 | count | 1 |
| CWC27 | 0.1194791 | 0.1887725 | 0.6329 | 0.527 | 0.155078338 | count | 1 |
| CELF2 | 0.1111461 | 0.1173576 | 0.9471 | 0.344 | 0.155132002 | count | 1 |
| KANSL1-AS1 | 0.1173765 | 0.1406821 | 0.8343 | 0.404 | 0.155232751 | count | 1 |
| UBXN1 | 0.1090814 | 0.056579 | 1.9279 | 0.054 | 0.155303207 | count | 1 |
| WDR45 | 0.1153432 | 0.15341 | 0.7519 | 0.452 | 0.155526616 | count | 1 |
| CBX3 | 0.1097088 | 0.0664134 | 1.6519 | 0.0987 | 0.15558752 | count | 1 |
| HLA-B | 0.1079857 | 0.0263132 | 4.1039 | 4.20E-05 | 0.155678837 | count | 0.98994 |
| POLR3K | 0.1219423 | 0.144291 | 0.8451 | 0.398 | 0.155739168 | count | 1 |
| AC096733.2 | 0.1504313 | 0.4133649 | 0.3639 | 0.716 | 0.155770884 | count | 1 |
| RACK1 | 0.108155 | 0.025444 | 4.2507 | 2.21E-05 | 0.15580275 | count | 0.5223998 |
| OXCT1 | 0.2540796 | 0.511175 | 0.4971 | 0.619 | 0.155861378 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|------------|
| THAP7-AS1 | 0.2540796 | 0.5418039 | 0.469 | 0.639 | 0.155861378 | count | 1 |
| PPP5D1 | 1.137133 | 1.009722 | 1.1262 | 0.26 | 0.155964033 | count | 1 |
| PARBP | 0.2190137 | 0.9421382 | 0.2325 | 0.816 | 0.156001783 | count | 1 |
| AC087164.1 | 0.2719969 | 0.5669775 | 0.4797 | 0.631 | 0.156208087 | count | 1 |
| ENTPD4 | 0.1551927 | 0.3470414 | 0.4472 | 0.655 | 0.156215917 | count | 1 |
| BBIP1 | 0.1172395 | 0.2289541 | 0.5121 | 0.609 | 0.156234054 | count | 1 |
| FEM1C | 0.1336823 | 0.2668978 | 0.5009 | 0.617 | 0.156250058 | count | 1 |
| C1orf216 | 0.1649822 | 0.3403499 | 0.4847 | 0.628 | 0.156403446 | count | 1 |
| SERINC1 | 0.1120608 | 0.0936896 | 1.1961 | 0.232 | 0.156410192 | count | 1 |
| CABP4 | 0.4215622 | 0.6026032 | 0.6996 | 0.484 | 0.156541868 | count | 1 |
| FAM177B | 0.2411619 | 0.5513387 | 0.4374 | 0.662 | 0.156599711 | count | 1 |
| BAG1 | 0.1109285 | 0.0782259 | 1.4181 | 0.156 | 0.156727881 | count | 1 |
| ATG10 | 0.1398541 | 0.2793157 | 0.5007 | 0.617 | 0.156773792 | count | 1 |
| NIF3L1 | 0.1367598 | 0.2808932 | 0.4869 | 0.626 | 0.156841977 | count | 1 |
| ZNF236 | 0.1400126 | 0.4085203 | 0.3427 | 0.732 | 0.156953242 | count | 1 |
| TOM1 | 0.1156938 | 0.1469457 | 0.7873 | 0.431 | 0.156970354 | count | 1 |
| UTP23 | 0.1150974 | 0.2207558 | 0.5214 | 0.602 | 0.157082437 | count | 1 |
| MSN | 0.1102084 | 0.0530107 | 2.079 | 0.0377 | 0.157189653 | count | 1 |
| SCAMP1-AS1 | 0.2051549 | 0.4390841 | 0.4672 | 0.64 | 0.157190457 | count | 1 |
| RPS15 | 0.109117 | 0.0234269 | 4.6578 | 3.37E-06 | 0.15723335 | count | 0.08008131 |
| HLA-E | 0.1094593 | 0.0349714 | 3.13 | 0.00177 | 0.157388653 | count | 1 |
| STAMPB | 0.1188295 | 0.1962366 | 0.6055 | 0.545 | 0.157435468 | count | 1 |
| GAPVD1 | 0.1219238 | 0.1727755 | 0.7057 | 0.48 | 0.157689095 | count | 1 |
| WBP2 | 0.1135099 | 0.1156042 | 0.9819 | 0.326 | 0.157709238 | count | 1 |
| LYPLA2 | 0.1191984 | 0.1735507 | 0.6868 | 0.492 | 0.157743071 | count | 1 |
| QSOX1 | 0.1174344 | 0.1585668 | 0.7406 | 0.459 | 0.157816962 | count | 1 |
| SMYD2 | 0.138854 | 0.2696207 | 0.515 | 0.607 | 0.157888894 | count | 1 |
| ARRDC4 | 0.1234914 | 0.2453861 | 0.5033 | 0.615 | 0.157909527 | count | 1 |
| NDUFA12 | 0.111144 | 0.0622312 | 1.786 | 0.0742 | 0.158018084 | count | 1 |
| NAIP | 0.1150354 | 0.0929833 | 1.2372 | 0.216 | 0.158068922 | count | 1 |
| LRRFIP1 | 0.1102485 | 0.0513183 | 2.1483 | 0.0318 | 0.158154623 | count | 1 |
| GLIS3 | 0.146072 | 0.277252 | 0.5269 | 0.598 | 0.158254841 | count | 1 |
| PUS10 | 0.2138453 | 0.4524044 | 0.4727 | 0.636 | 0.158361286 | count | 1 |
| SNAPC4 | 0.1857284 | 0.5375149 | 0.3455 | 0.73 | 0.158448797 | count | 1 |
| JAK3 | 0.1312325 | 0.2112644 | 0.6212 | 0.535 | 0.158456735 | count | 1 |
| DGUOK-AS1 | 0.3275174 | 0.6689755 | 0.4896 | 0.624 | 0.158513458 | count | 1 |
| SPTLC1 | 0.1213467 | 0.1496091 | 0.8111 | 0.417 | 0.158554307 | count | 1 |
| DXO | 0.1785141 | 0.3907891 | 0.4568 | 0.648 | 0.158639371 | count | 1 |
| FAM174B | 0.3680842 | 0.613477 | 0.6 | 0.549 | 0.158664082 | count | 1 |
| PTPRE | 0.1107807 | 0.0562382 | 1.9698 | 0.049 | 0.158751851 | count | 1 |
| ALYREF | 0.1133669 | 0.1017894 | 1.1137 | 0.266 | 0.158869153 | count | 1 |
| ACVRL1 | 0.1562257 | 0.4493109 | 0.3477 | 0.728 | 0.158871162 | count | 1 |
| CNPPD1 | 0.1214003 | 0.1692949 | 0.7171 | 0.473 | 0.15898444 | count | 1 |
| LINC01374 | 0.4277602 | 0.6003987 | 0.7125 | 0.476 | 0.159061591 | count | 1 |
| WHAMM | 0.1228758 | 0.1779076 | 0.6907 | 0.49 | 0.159073686 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|--------|-------------|-------|---|
| PTGDS | 1.1561213 | 0.4756691 | 2.4305 | 0.0151 | 0.15913996 | count | 1 |
| NOP14-AS1 | 0.2233177 | 0.5797081 | 0.3852 | 0.7 | 0.159176546 | count | 1 |
| ATF1 | 0.1216426 | 0.1744824 | 0.6972 | 0.486 | 0.159184476 | count | 1 |
| RUBCN | 0.1460741 | 0.3507853 | 0.4164 | 0.677 | 0.159273885 | count | 1 |
| PAG1 | 0.118831 | 0.1541497 | 0.7709 | 0.441 | 0.159506009 | count | 1 |
| PCTP | 0.1361823 | 0.3039219 | 0.4481 | 0.654 | 0.159747189 | count | 1 |
| BAZ2A | 0.1229572 | 0.1733864 | 0.7092 | 0.478 | 0.159749842 | count | 1 |
| MYO19 | 0.2021827 | 0.4337853 | 0.4661 | 0.641 | 0.159840013 | count | 1 |
| MTERF4 | 0.1300223 | 0.2103247 | 0.6182 | 0.537 | 0.159842275 | count | 1 |
| TLR2 | 0.1138472 | 0.0769482 | 1.4795 | 0.139 | 0.159948816 | count | 1 |
| C12orf43 | 0.1297215 | 0.2573681 | 0.504 | 0.614 | 0.160101525 | count | 1 |
| GAS6 | 0.1156569 | 0.1030297 | 1.1226 | 0.262 | 0.16010908 | count | 1 |
| GFER | 0.1202198 | 0.1576931 | 0.7624 | 0.446 | 0.16021732 | count | 1 |
| PTPN22 | 0.1371448 | 0.2744967 | 0.4996 | 0.617 | 0.160330816 | count | 1 |
| ADAT1 | 0.1609417 | 0.3083959 | 0.5219 | 0.602 | 0.16036427 | count | 1 |
| MTMR6 | 0.1219297 | 0.1523876 | 0.8001 | 0.424 | 0.160465151 | count | 1 |
| CEACAM4 | 0.1280818 | 0.1916711 | 0.6682 | 0.504 | 0.160552616 | count | 1 |
| PUSL1 | 0.1327129 | 0.2838896 | 0.4675 | 0.64 | 0.160653305 | count | 1 |
| TCOF1 | 0.1395278 | 0.2322332 | 0.6008 | 0.548 | 0.160703973 | count | 1 |
| TLR7 | 0.1302709 | 0.2087333 | 0.6241 | 0.533 | 0.16078368 | count | 1 |
| DPP8 | 0.1313483 | 0.194903 | 0.6739 | 0.5 | 0.160812989 | count | 1 |
| Z98884.1 | 0.4321562 | 1.0378484 | 0.4164 | 0.677 | 0.160852295 | count | 1 |
| AL049597.2 | 0.4321562 | 0.9088362 | 0.4755 | 0.634 | 0.160852295 | count | 1 |
| S100A5 | 0.4321562 | 1.2567506 | 0.3439 | 0.731 | 0.160852295 | count | 1 |
| AC073896.3 | 0.4321562 | 0.9132932 | 0.4732 | 0.636 | 0.160852295 | count | 1 |
| DMWD | 0.4321562 | 0.9517671 | 0.4541 | 0.65 | 0.160852295 | count | 1 |
| PRKRIP1 | 0.1256815 | 0.204262 | 0.6153 | 0.538 | 0.160905616 | count | 1 |
| RELT | 0.1196603 | 0.1758789 | 0.6804 | 0.496 | 0.160942059 | count | 1 |
| UNC50 | 0.1195382 | 0.1587874 | 0.7528 | 0.452 | 0.160961124 | count | 1 |
| EPM2A | 0.2799267 | 0.4519258 | 0.6194 | 0.536 | 0.161000488 | count | 1 |
| SPPL2A | 0.1153148 | 0.0971233 | 1.1873 | 0.235 | 0.161012124 | count | 1 |
| ATXN7L3B | 0.1209492 | 0.1691621 | 0.715 | 0.475 | 0.161030778 | count | 1 |
| PLK3 | 0.1165659 | 0.1314948 | 0.8865 | 0.375 | 0.1610764 | count | 1 |
| FKBP1A | 0.1127847 | 0.052652 | 2.1421 | 0.0323 | 0.161129808 | count | 1 |
| DPH2 | 0.2479665 | 0.4602835 | 0.5387 | 0.59 | 0.161206785 | count | 1 |
| TRMT1L | 0.1585674 | 0.3316338 | 0.4781 | 0.633 | 0.161288017 | count | 1 |
| CSNK1E | 0.1406714 | 0.3036477 | 0.4633 | 0.643 | 0.161369352 | count | 1 |
| SNHG19 | 0.2178234 | 0.5229761 | 0.4165 | 0.677 | 0.161405524 | count | 1 |
| DDX23 | 0.1333521 | 0.2306243 | 0.5782 | 0.563 | 0.161432391 | count | 1 |
| AC105277.1 | 0.3035135 | 0.8553695 | 0.3548 | 0.723 | 0.1615216 | count | 1 |
| FAM229B | 0.3035135 | 0.7817397 | 0.3883 | 0.698 | 0.1615216 | count | 1 |
| AL691447.2 | 0.3035135 | 0.7817397 | 0.3883 | 0.698 | 0.1615216 | count | 1 |
| FOXN3 | 0.1186497 | 0.1163235 | 1.02 | 0.308 | 0.161616101 | count | 1 |
| ZFYVE1 | 0.1937952 | 0.4168845 | 0.4649 | 0.642 | 0.16162665 | count | 1 |
| MBP | 0.1148792 | 0.0906669 | 1.267 | 0.205 | 0.161651819 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|--------|-------------|-------|---|
| MAP3K2 | 0.1152587 | 0.0974121 | 1.1832 | 0.237 | 0.161668347 | count | 1 |
| SPATA2 | 0.2813777 | 0.440604 | 0.6386 | 0.523 | 0.161878786 | count | 1 |
| PTPRA | 0.1185853 | 0.1451741 | 0.8168 | 0.414 | 0.161930087 | count | 1 |
| FHL3 | 0.1198278 | 0.1424997 | 0.8409 | 0.4 | 0.162034153 | count | 1 |
| CASS4 | 0.1431368 | 0.2375556 | 0.6025 | 0.547 | 0.16206071 | count | 1 |
| CUX1 | 0.1184644 | 0.1240889 | 0.9547 | 0.34 | 0.162204012 | count | 1 |
| AC137767.1 | 0.2277393 | 0.5017519 | 0.4539 | 0.65 | 0.162442179 | count | 1 |
| SF3B2 | 0.1149952 | 0.0911893 | 1.2611 | 0.207 | 0.162483544 | count | 1 |
| ZNF71 | 0.2644816 | 0.5501657 | 0.4807 | 0.631 | 0.162544741 | count | 1 |
| THRA | 0.1287595 | 0.2211521 | 0.5822 | 0.56 | 0.162604183 | count | 1 |
| KCNE5 | 0.2825816 | 0.7284233 | 0.3879 | 0.698 | 0.162607836 | count | 1 |
| MYOZ2 | 0.2646759 | 0.7898003 | 0.3351 | 0.738 | 0.162669793 | count | 1 |
| TRMT61B | 0.1615788 | 0.331734 | 0.4871 | 0.626 | 0.162744126 | count | 1 |
| HHAT | 0.2122167 | 0.8772616 | 0.2419 | 0.809 | 0.162770944 | count | 1 |
| TBC1D14 | 0.133249 | 0.1989283 | 0.6698 | 0.503 | 0.162803296 | count | 1 |
| BCS1L | 0.1693105 | 0.4230953 | 0.4002 | 0.689 | 0.162812376 | count | 1 |
| STX2 | 0.1316865 | 0.215027 | 0.6124 | 0.54 | 0.162850948 | count | 1 |
| PLEKHA3 | 0.1191628 | 0.154169 | 0.7729 | 0.44 | 0.163019648 | count | 1 |
| ZNF148 | 0.1223325 | 0.1500537 | 0.8153 | 0.415 | 0.16312152 | count | 1 |
| CIRBP | 0.1145463 | 0.0597635 | 1.9167 | 0.0554 | 0.163300961 | count | 1 |
| ST3GAL2 | 0.1605636 | 0.3134114 | 0.5123 | 0.608 | 0.163349064 | count | 1 |
| RNPEPL1 | 0.1187282 | 0.1085925 | 1.0933 | 0.274 | 0.163388417 | count | 1 |
| CACUL1 | 0.1189753 | 0.1216274 | 0.9782 | 0.328 | 0.163400138 | count | 1 |
| HYAL2 | 0.1384435 | 0.2526036 | 0.5481 | 0.584 | 0.163492962 | count | 1 |
| NSFL1C | 0.119201 | 0.1297964 | 0.9184 | 0.359 | 0.163616004 | count | 1 |
| AGO2 | 0.1234521 | 0.1734458 | 0.7118 | 0.477 | 0.163763866 | count | 1 |
| ALS2CL | 1.184257 | 1.006275 | 1.1769 | 0.239 | 0.163866674 | count | 1 |
| OSBPL11 | 0.1222181 | 0.1809871 | 0.6753 | 0.5 | 0.16392922 | count | 1 |
| CSNK1D | 0.1195534 | 0.1233103 | 0.9695 | 0.332 | 0.164003461 | count | 1 |
| RHOBTB2 | 0.2139015 | 0.4864366 | 0.4397 | 0.66 | 0.164103901 | count | 1 |
| NDUFS1 | 0.1294899 | 0.1717634 | 0.7539 | 0.451 | 0.164198555 | count | 1 |
| GEMIN6 | 0.1325449 | 0.2465838 | 0.5375 | 0.591 | 0.164223386 | count | 1 |
| FTSJ1 | 0.1432802 | 0.3262933 | 0.4391 | 0.661 | 0.164390043 | count | 1 |
| C2orf69 | 0.1481198 | 0.2742642 | 0.5401 | 0.589 | 0.164395605 | count | 1 |
| PUDP | 0.1517984 | 0.4769567 | 0.3183 | 0.75 | 0.16453363 | count | 1 |
| CNP | 0.1285278 | 0.2598059 | 0.4947 | 0.621 | 0.164566514 | count | 1 |
| ANKRD35 | 0.2858546 | 0.6201478 | 0.4609 | 0.645 | 0.164591341 | count | 1 |
| MPZ | 0.2858546 | 0.6201478 | 0.4609 | 0.645 | 0.164591341 | count | 1 |
| PIAS3 | 0.1929376 | 0.4531412 | 0.4258 | 0.67 | 0.164752492 | count | 1 |
| TRABD | 0.1202222 | 0.1251219 | 0.9608 | 0.337 | 0.164788847 | count | 1 |
| APOM | 0.1638579 | 0.4499305 | 0.3642 | 0.716 | 0.165075744 | count | 1 |
| IP6K1 | 0.1364881 | 0.24301 | 0.5617 | 0.574 | 0.165255391 | count | 1 |
| TMEM127 | 0.1223745 | 0.176723 | 0.6925 | 0.489 | 0.165263647 | count | 1 |
| MAP3K7CL | 0.1353864 | 0.2682332 | 0.5047 | 0.614 | 0.165432065 | count | 1 |
| BORCS6 | 0.1335777 | 0.2289289 | 0.5835 | 0.56 | 0.16551074 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| RABEP2 | 0.1702281 | 0.3895646 | 0.437 | 0.662 | 0.165836019 | count | 1 |
| CNIH4 | 0.1181888 | 0.1138106 | 1.0385 | 0.299 | 0.165980106 | count | 1 |
| MKRN1 | 0.1238937 | 0.1512175 | 0.8193 | 0.413 | 0.166113065 | count | 1 |
| ZP3 | 0.2700982 | 0.376101 | 0.7182 | 0.473 | 0.166162761 | count | 1 |
| PPP1CC | 0.1204713 | 0.1054361 | 1.1426 | 0.253 | 0.166333311 | count | 1 |
| MTMR14 | 0.1229401 | 0.1322492 | 0.9296 | 0.353 | 0.166468097 | count | 1 |
| SMNDC1 | 0.1224884 | 0.1303969 | 0.9394 | 0.348 | 0.166543744 | count | 1 |
| GTF2I | 0.1225522 | 0.1166324 | 1.0508 | 0.293 | 0.166676577 | count | 1 |
| TST | 0.1313099 | 0.2062864 | 0.6365 | 0.524 | 0.166735019 | count | 1 |
| TULP3 | 0.2439146 | 0.4321814 | 0.5644 | 0.573 | 0.166787112 | count | 1 |
| FDXACB1 | 0.3436074 | 0.4972469 | 0.691 | 0.49 | 0.166844147 | count | 1 |
| SLC16A7 | 0.156274 | 0.2559225 | 0.6106 | 0.542 | 0.167138729 | count | 1 |
| GAS2L1 | 0.1464917 | 0.2450311 | 0.5978 | 0.55 | 0.167396726 | count | 1 |
| RPL28 | 0.1163785 | 0.0231616 | 5.0246 | 5.41E-07 | 0.167782596 | count | 0.012896899 |
| ZNF761 | 0.2010152 | 0.4413128 | 0.4555 | 0.649 | 0.167809255 | count | 1 |
| CNNM4 | 0.2119758 | 0.4646965 | 0.4562 | 0.648 | 0.167815719 | count | 1 |
| KRIT1 | 0.131868 | 0.1908398 | 0.691 | 0.49 | 0.16787071 | count | 1 |
| PPIG | 0.1189777 | 0.0725479 | 1.64 | 0.101 | 0.168268292 | count | 1 |
| PLXND1 | 0.1269596 | 0.1684549 | 0.7537 | 0.451 | 0.168337892 | count | 1 |
| POLR2F | 0.1203923 | 0.1146397 | 1.0502 | 0.294 | 0.168353268 | count | 1 |
| ZWINT | 0.3157566 | 0.5733186 | 0.5508 | 0.582 | 0.168436035 | count | 1 |
| TMEM259 | 0.1243739 | 0.1334608 | 0.9319 | 0.351 | 0.168467343 | count | 1 |
| MICU2 | 0.1300007 | 0.1781076 | 0.7299 | 0.466 | 0.168490986 | count | 1 |
| DCLRE1A | 0.2737726 | 0.643768 | 0.4253 | 0.671 | 0.168533204 | count | 1 |
| AC040169.1 | 0.2737726 | 0.643768 | 0.4253 | 0.671 | 0.168533204 | count | 1 |
| KIF3B | 0.1587603 | 0.3317093 | 0.4786 | 0.632 | 0.168587885 | count | 1 |
| ZNF76 | 0.2588609 | 0.459536 | 0.5633 | 0.573 | 0.168603149 | count | 1 |
| PLEKHO2 | 0.1267344 | 0.1508404 | 0.8402 | 0.401 | 0.169009154 | count | 1 |
| ZC3HC1 | 0.1901111 | 0.3864311 | 0.492 | 0.623 | 0.169183205 | count | 1 |
| MRPL33 | 0.1206646 | 0.1000096 | 1.2065 | 0.228 | 0.169184359 | count | 1 |
| ZNF449 | 0.25983 | 0.5157678 | 0.5038 | 0.614 | 0.16926229 | count | 1 |
| DDT | 0.1187916 | 0.0688437 | 1.7255 | 0.0846 | 0.169269684 | count | 1 |
| TMEM14A | 0.1680939 | 0.3465426 | 0.4851 | 0.628 | 0.169411871 | count | 1 |
| MEN1 | 0.2282954 | 0.4804397 | 0.4752 | 0.635 | 0.169435378 | count | 1 |
| COQ10A | 0.220668 | 0.4391243 | 0.5025 | 0.615 | 0.169463432 | count | 1 |
| RNF152 | 0.391421 | 0.7938654 | 0.4931 | 0.622 | 0.169557052 | count | 1 |
| RPL39L | 0.1400171 | 0.2671891 | 0.524 | 0.6 | 0.169558859 | count | 1 |
| PIGK | 0.1609362 | 0.2775473 | 0.5799 | 0.562 | 0.16961412 | count | 1 |
| CLN3 | 0.1683249 | 0.5358692 | 0.3141 | 0.753 | 0.169648424 | count | 1 |
| TWSG1 | 0.1485403 | 0.3806548 | 0.3902 | 0.696 | 0.169760682 | count | 1 |
| AC240565.1 | 1.22275 | 0.8453773 | 1.4464 | 0.148 | 0.170371242 | count | 1 |
| AC004817.3 | 0.2040668 | 0.3408063 | 0.5988 | 0.549 | 0.170425654 | count | 1 |
| MAP2K7 | 0.1394958 | 0.302757 | 0.4608 | 0.645 | 0.170487624 | count | 1 |
| RAD51B | 0.1882972 | 0.425206 | 0.4428 | 0.658 | 0.170644723 | count | 1 |
| SNRPF | 0.12174 | 0.0853543 | 1.4263 | 0.154 | 0.170704744 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| DAP | 0.1260647 | 0.1359586 | 0.9272 | 0.354 | 0.170709461 | count | 1 |
| AGRN | 0.2494551 | 0.5436286 | 0.4589 | 0.646 | 0.170730522 | count | 1 |
| IGFLR1 | 0.1394059 | 0.2054384 | 0.6786 | 0.497 | 0.170744534 | count | 1 |
| HBEGF | 0.1195814 | 0.0759127 | 1.5752 | 0.115 | 0.171055998 | count | 1 |
| HUS1B | 0.4570962 | 0.8540455 | 0.5352 | 0.593 | 0.171067195 | count | 1 |
| CDK16 | 0.1496858 | 0.2544817 | 0.5882 | 0.556 | 0.171082775 | count | 1 |
| ST3GAL1 | 0.1299086 | 0.1623815 | 0.8 | 0.424 | 0.171116699 | count | 1 |
| CMIP | 0.1267767 | 0.1352333 | 0.9375 | 0.349 | 0.171510701 | count | 1 |
| REPS2 | 0.1832449 | 0.378458 | 0.4842 | 0.628 | 0.171515325 | count | 1 |
| AC034199.1 | 1.2305199 | 1.092564 | 1.1263 | 0.26 | 0.171689141 | count | 1 |
| RREB1 | 0.1316169 | 0.209049 | 0.6296 | 0.529 | 0.171757652 | count | 1 |
| CMTR1 | 0.18352 | 0.3888716 | 0.4719 | 0.637 | 0.171778055 | count | 1 |
| EDC3 | 0.197178 | 0.4312115 | 0.4573 | 0.648 | 0.172157457 | count | 1 |
| SMARCA1 | 0.2515028 | 0.6779245 | 0.371 | 0.711 | 0.172189601 | count | 1 |
| TMEM273 | 0.1589216 | 0.2726698 | 0.5828 | 0.56 | 0.17235136 | count | 1 |
| RFC4 | 0.1841676 | 0.3604053 | 0.511 | 0.609 | 0.172396589 | count | 1 |
| DDB2 | 0.1400269 | 0.2465797 | 0.5679 | 0.57 | 0.172566481 | count | 1 |
| NSD2 | 0.1546805 | 0.3060111 | 0.5055 | 0.613 | 0.172684433 | count | 1 |
| TGS1 | 0.12776 | 0.1480477 | 0.863 | 0.388 | 0.172787734 | count | 1 |
| TBCC | 0.1362313 | 0.2033055 | 0.6701 | 0.503 | 0.172791899 | count | 1 |
| ELOF1 | 0.1279397 | 0.1942158 | 0.6588 | 0.51 | 0.17279894 | count | 1 |
| WDR27 | 0.561966 | 0.7929839 | 0.7087 | 0.479 | 0.172902884 | count | 1 |
| TTC4 | 0.3553566 | 0.5444094 | 0.6527 | 0.514 | 0.172957391 | count | 1 |
| PROSER3 | 0.2023613 | 0.8690219 | 0.2329 | 0.816 | 0.173008789 | count | 1 |
| LRRC25 | 0.1245736 | 0.0916579 | 1.3591 | 0.174 | 0.17316074 | count | 1 |
| DDR1 | 1.239247 | 0.8992237 | 1.3781 | 0.168 | 0.173171284 | count | 1 |
| MAP2K3 | 0.12456 | 0.1155592 | 1.0779 | 0.281 | 0.173216418 | count | 1 |
| COP1 | 0.1375188 | 0.1744882 | 0.7881 | 0.431 | 0.17323123 | count | 1 |
| FYB1 | 0.1212215 | 0.0510861 | 2.3729 | 0.0177 | 0.173305886 | count | 1 |
| RAD51C | 0.1286592 | 0.2045219 | 0.6291 | 0.529 | 0.173340802 | count | 1 |
| HINT3 | 0.1600863 | 0.224014 | 0.7146 | 0.475 | 0.173630397 | count | 1 |
| RPL7A | 0.1204987 | 0.0244374 | 4.9309 | 8.73E-07 | 0.17368438 | count | 0.020800971 |
| STK11 | 0.1368029 | 0.2182659 | 0.6268 | 0.531 | 0.173746386 | count | 1 |
| LNPK | 0.1434532 | 0.2457237 | 0.5838 | 0.559 | 0.173750436 | count | 1 |
| XPO1 | 0.1279772 | 0.1500787 | 0.8527 | 0.394 | 0.173828434 | count | 1 |
| CCDC50 | 0.127992 | 0.1287411 | 0.9942 | 0.32 | 0.173848584 | count | 1 |
| EEF2 | 0.1220456 | 0.0454394 | 2.6859 | 0.00728 | 0.174132426 | count | 1 |
| NFIC | 0.1279664 | 0.1266479 | 1.0104 | 0.312 | 0.174151776 | count | 1 |
| ANXA7 | 0.1244618 | 0.0963288 | 1.2921 | 0.196 | 0.174280612 | count | 1 |
| ZNF211 | 0.3579328 | 0.5983242 | 0.5982 | 0.55 | 0.174301183 | count | 1 |
| LINC00278 | 0.3579328 | 0.8006264 | 0.4471 | 0.655 | 0.174301183 | count | 1 |
| ZC3H4 | 0.1713988 | 0.3102204 | 0.5525 | 0.581 | 0.174548721 | count | 1 |
| STK32B | 0.4020939 | 0.678255 | 0.5928 | 0.553 | 0.174569663 | count | 1 |
| TIAM2 | 0.4020939 | 0.6347733 | 0.6334 | 0.527 | 0.174569663 | count | 1 |
| HLCS | 0.4020939 | 0.6239782 | 0.6444 | 0.519 | 0.174569663 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|---------|-------------|-------|---|
| SMC6 | 0.1452859 | 0.2546194 | 0.5706 | 0.568 | 0.174653105 | count | 1 |
| NAA38 | 0.1243174 | 0.0832024 | 1.4942 | 0.135 | 0.174693292 | count | 1 |
| DENND1C | 0.1791753 | 0.3538777 | 0.5063 | 0.613 | 0.174712723 | count | 1 |
| ZC3H12A | 0.1313512 | 0.1494604 | 0.8788 | 0.38 | 0.174745538 | count | 1 |
| FKBP9 | 0.2554591 | 0.4419632 | 0.578 | 0.563 | 0.175011121 | count | 1 |
| LTB | 0.1431788 | 0.2748649 | 0.5209 | 0.602 | 0.175020212 | count | 1 |
| MUM1 | 0.1512665 | 0.2728583 | 0.5544 | 0.579 | 0.175045342 | count | 1 |
| RAB40B | 0.2840866 | 0.4346337 | 0.6536 | 0.513 | 0.175201778 | count | 1 |
| SIGLEC14 | 0.1649527 | 0.2463178 | 0.6697 | 0.503 | 0.175254317 | count | 1 |
| GARS | 0.1361162 | 0.1886658 | 0.7215 | 0.471 | 0.175266863 | count | 1 |
| ARID1B | 0.1320531 | 0.152348 | 0.8668 | 0.386 | 0.175308544 | count | 1 |
| UQCRH | 0.1224353 | 0.0412524 | 2.968 | 0.00303 | 0.175399055 | count | 1 |
| CLEC3B | 1.252874 | 0.7822929 | 1.6015 | 0.109 | 0.175489321 | count | 1 |
| GLB1 | 0.1308123 | 0.1237665 | 1.0569 | 0.291 | 0.17556314 | count | 1 |
| HPF1 | 0.1332657 | 0.1563454 | 0.8524 | 0.394 | 0.175668935 | count | 1 |
| PEX11G | 0.1851211 | 0.4339563 | 0.4266 | 0.67 | 0.175878676 | count | 1 |
| NDUFAF1 | 0.1427321 | 0.2641691 | 0.5403 | 0.589 | 0.175922373 | count | 1 |
| PRKD3 | 0.1442669 | 0.2580513 | 0.5591 | 0.576 | 0.175970365 | count | 1 |
| BCL7C | 0.1255459 | 0.1055115 | 1.1899 | 0.234 | 0.176013536 | count | 1 |
| HSDL2 | 0.1343527 | 0.1858319 | 0.723 | 0.47 | 0.176013853 | count | 1 |
| AL356441.1 | 1.2569057 | 1.1205265 | 1.1217 | 0.262 | 0.176176121 | count | 1 |
| LINC01703 | 1.2569057 | 1.319048 | 0.9529 | 0.341 | 0.176176121 | count | 1 |
| OR2B11 | 1.2569057 | 1.1205265 | 1.1217 | 0.262 | 0.176176121 | count | 1 |
| AC098828.2 | 1.2569057 | 1.319048 | 0.9529 | 0.341 | 0.176176121 | count | 1 |
| LRRC2 | 1.2569057 | 1.319048 | 0.9529 | 0.341 | 0.176176121 | count | 1 |
| ITIH4 | 1.2569057 | 1.319048 | 0.9529 | 0.341 | 0.176176121 | count | 1 |
| ATP1B3-AS1 | 1.2569057 | 1.1205265 | 1.1217 | 0.262 | 0.176176121 | count | 1 |
| HTRA3 | 1.2569057 | 1.319048 | 0.9529 | 0.341 | 0.176176121 | count | 1 |
| AC027607.1 | 1.2569057 | 1.319048 | 0.9529 | 0.341 | 0.176176121 | count | 1 |
| AC020741.1 | 1.2569057 | 1.319048 | 0.9529 | 0.341 | 0.176176121 | count | 1 |
| GPR63 | 1.2569057 | 1.458152 | 0.862 | 0.389 | 0.176176121 | count | 1 |
| FRK | 1.2569057 | 1.458152 | 0.862 | 0.389 | 0.176176121 | count | 1 |
| AC007285.1 | 1.2569057 | 1.319048 | 0.9529 | 0.341 | 0.176176121 | count | 1 |
| AL022157.1 | 1.2569057 | 1.319048 | 0.9529 | 0.341 | 0.176176121 | count | 1 |
| AL162231.2 | 1.2569057 | 1.319048 | 0.9529 | 0.341 | 0.176176121 | count | 1 |
| SMC5-AS1 | 1.2569057 | 1.319048 | 0.9529 | 0.341 | 0.176176121 | count | 1 |
| B3GNT10 | 1.2569057 | 1.319048 | 0.9529 | 0.341 | 0.176176121 | count | 1 |
| CTTN | 1.2569057 | 1.319048 | 0.9529 | 0.341 | 0.176176121 | count | 1 |
| SYT15 | 1.2569057 | 1.458152 | 0.862 | 0.389 | 0.176176121 | count | 1 |
| RNASE4 | 1.2569057 | 1.319048 | 0.9529 | 0.341 | 0.176176121 | count | 1 |
| AC005479.2 | 1.2569057 | 1.458152 | 0.862 | 0.389 | 0.176176121 | count | 1 |
| AL049840.2 | 1.2569057 | 1.319048 | 0.9529 | 0.341 | 0.176176121 | count | 1 |
| MYO5C | 1.2569057 | 1.458152 | 0.862 | 0.389 | 0.176176121 | count | 1 |
| AC010761.1 | 1.2569057 | 1.319048 | 0.9529 | 0.341 | 0.176176121 | count | 1 |
| ITGA3 | 1.2569057 | 1.1205265 | 1.1217 | 0.262 | 0.176176121 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|------------|
| CFAP61 | 1.2569057 | 1.319048 | 0.9529 | 0.341 | 0.176176121 | count | 1 |
| Z98752.4 | 1.2569057 | 1.319048 | 0.9529 | 0.341 | 0.176176121 | count | 1 |
| STAP2 | 1.2569057 | 1.319048 | 0.9529 | 0.341 | 0.176176121 | count | 1 |
| AC008622.2 | 1.2569057 | 1.1205265 | 1.1217 | 0.262 | 0.176176121 | count | 1 |
| PTOV1-AS2 | 1.2569057 | 1.458152 | 0.862 | 0.389 | 0.176176121 | count | 1 |
| ADPRHL2 | 0.1339328 | 0.1706834 | 0.7847 | 0.433 | 0.176321043 | count | 1 |
| ZFYVE26 | 0.1980182 | 0.3843935 | 0.5151 | 0.606 | 0.176387863 | count | 1 |
| PPP1CB | 0.1238105 | 0.0595665 | 2.0785 | 0.0378 | 0.176500703 | count | 1 |
| TARDBP | 0.1414601 | 0.1966745 | 0.7193 | 0.472 | 0.176858189 | count | 1 |
| ADM | 0.1305371 | 0.1312483 | 0.9946 | 0.32 | 0.176946353 | count | 1 |
| RFWD3 | 0.2118569 | 0.4131286 | 0.5128 | 0.608 | 0.177113566 | count | 1 |
| SUPT16H | 0.1295967 | 0.1097011 | 1.1814 | 0.238 | 0.1773242 | count | 1 |
| SEC63 | 0.1315226 | 0.1336767 | 0.9839 | 0.325 | 0.177465597 | count | 1 |
| ABCC4 | 0.199222 | 0.6607406 | 0.3015 | 0.763 | 0.177485824 | count | 1 |
| RPL26 | 0.1233514 | 0.0264893 | 4.6567 | 3.39E-06 | 0.177665341 | count | 0.08055318 |
| CUL5 | 0.1333577 | 0.15524 | 0.859 | 0.39 | 0.177694833 | count | 1 |
| PDPR | 0.1554802 | 0.3103187 | 0.501 | 0.616 | 0.177773307 | count | 1 |
| UBTD2 | 0.1542087 | 0.2855552 | 0.54 | 0.589 | 0.177780111 | count | 1 |
| VPS51 | 0.1388775 | 0.1568021 | 0.8857 | 0.376 | 0.177884163 | count | 1 |
| CNOT1 | 0.1375174 | 0.1703217 | 0.8074 | 0.42 | 0.177948496 | count | 1 |
| CASC4 | 0.1333929 | 0.1759051 | 0.7583 | 0.448 | 0.178088515 | count | 1 |
| UBE2Q2 | 0.1333807 | 0.1744158 | 0.7647 | 0.445 | 0.178483097 | count | 1 |
| CHRAC1 | 0.1318141 | 0.1396294 | 0.944 | 0.345 | 0.178515027 | count | 1 |
| KIAA0586 | 0.1548921 | 0.2406752 | 0.6436 | 0.52 | 0.178575737 | count | 1 |
| ZNF664 | 0.162725 | 0.3173795 | 0.5127 | 0.608 | 0.17874498 | count | 1 |
| RAPH1 | 0.142387 | 0.2017947 | 0.7056 | 0.481 | 0.178865816 | count | 1 |
| PSIP1 | 0.1296635 | 0.1144751 | 1.1327 | 0.257 | 0.178909519 | count | 1 |
| TAF12 | 0.1304187 | 0.1167272 | 1.1173 | 0.264 | 0.178974436 | count | 1 |
| PNPLA4 | 0.1725383 | 0.3079022 | 0.5604 | 0.575 | 0.179016011 | count | 1 |
| AL136115.2 | 0.7713801 | 1.0188793 | 0.7571 | 0.449 | 0.17902115 | count | 1 |
| AL603839.3 | 0.7713801 | 1.3644481 | 0.5653 | 0.572 | 0.17902115 | count | 1 |
| ORC1 | 0.7713801 | 1.0188793 | 0.7571 | 0.449 | 0.17902115 | count | 1 |
| FALEC | 0.7713801 | 1.1715293 | 0.6584 | 0.51 | 0.17902115 | count | 1 |
| RGS5 | 0.7713801 | 1.037977 | 0.7432 | 0.457 | 0.17902115 | count | 1 |
| AC012358.3 | 0.7713801 | 1.037977 | 0.7432 | 0.457 | 0.17902115 | count | 1 |
| LINC01116 | 0.7713801 | 0.9994168 | 0.7718 | 0.44 | 0.17902115 | count | 1 |
| AC008966.1 | 0.7713801 | 1.0188793 | 0.7571 | 0.449 | 0.17902115 | count | 1 |
| SYCP2L | 0.7713801 | 1.0188793 | 0.7571 | 0.449 | 0.17902115 | count | 1 |
| PCDH11X | 0.7713801 | 1.037977 | 0.7432 | 0.457 | 0.17902115 | count | 1 |
| GPRASP1 | 0.7713801 | 1.037977 | 0.7432 | 0.457 | 0.17902115 | count | 1 |
| EPS8L2 | 0.7713801 | 0.9994168 | 0.7718 | 0.44 | 0.17902115 | count | 1 |
| FIBIN | 0.7713801 | 1.468606 | 0.5252 | 0.599 | 0.17902115 | count | 1 |
| AP001160.2 | 0.7713801 | 1.037977 | 0.7432 | 0.457 | 0.17902115 | count | 1 |
| LRTOMT | 0.7713801 | 1.037977 | 0.7432 | 0.457 | 0.17902115 | count | 1 |
| ZEB1-AS1 | 0.7713801 | 1.0188793 | 0.7571 | 0.449 | 0.17902115 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|--------|-------------|-------|---|
| NEK5 | 0.7713801 | 1.0188793 | 0.7571 | 0.449 | 0.17902115 | count | 1 |
| EDC4 | 0.7713801 | 1.037977 | 0.7432 | 0.457 | 0.17902115 | count | 1 |
| DHRS13 | 0.7713801 | 1.0188793 | 0.7571 | 0.449 | 0.17902115 | count | 1 |
| MPP3 | 0.7713801 | 1.0188793 | 0.7571 | 0.449 | 0.17902115 | count | 1 |
| AC068234.2 | 0.7713801 | 1.037977 | 0.7432 | 0.457 | 0.17902115 | count | 1 |
| AC011825.2 | 0.7713801 | 1.3644481 | 0.5653 | 0.572 | 0.17902115 | count | 1 |
| AC005523.1 | 0.7713801 | 1.0188793 | 0.7571 | 0.449 | 0.17902115 | count | 1 |
| ZNF788P | 0.7713801 | 1.1715293 | 0.6584 | 0.51 | 0.17902115 | count | 1 |
| PGLYRP2 | 0.7713801 | 1.0188793 | 0.7571 | 0.449 | 0.17902115 | count | 1 |
| ZNF850 | 0.7713801 | 1.0188793 | 0.7571 | 0.449 | 0.17902115 | count | 1 |
| ZNF793 | 0.7713801 | 1.4141 | 0.5455 | 0.585 | 0.17902115 | count | 1 |
| EDDM13 | 0.7713801 | 1.1715293 | 0.6584 | 0.51 | 0.17902115 | count | 1 |
| C1QTNF6 | 0.7713801 | 1.037977 | 0.7432 | 0.457 | 0.17902115 | count | 1 |
| TOX4 | 0.1276252 | 0.0949627 | 1.344 | 0.179 | 0.179033903 | count | 1 |
| HIBCH | 0.1536377 | 0.3244807 | 0.4735 | 0.636 | 0.179152365 | count | 1 |
| DCK | 0.1386176 | 0.1416717 | 0.9784 | 0.328 | 0.179209255 | count | 1 |
| TIPRL | 0.1302964 | 0.1359693 | 0.9583 | 0.338 | 0.179307109 | count | 1 |
| GSTK1 | 0.1257762 | 0.054675 | 2.3004 | 0.0215 | 0.179364901 | count | 1 |
| TADA1 | 0.7726871 | 0.8592072 | 0.8993 | 0.369 | 0.179375355 | count | 1 |
| OSBPL6 | 0.7726871 | 0.8177903 | 0.9448 | 0.345 | 0.179375355 | count | 1 |
| C7orf61 | 0.7726871 | 0.8592072 | 0.8993 | 0.369 | 0.179375355 | count | 1 |
| ACTL10 | 0.7726871 | 0.8592072 | 0.8993 | 0.369 | 0.179375355 | count | 1 |
| TYW3 | 0.1341951 | 0.1529054 | 0.8776 | 0.38 | 0.179413791 | count | 1 |
| SMURF2 | 0.1475588 | 0.2377436 | 0.6207 | 0.535 | 0.179607022 | count | 1 |
| SMAD1 | 0.3354815 | 0.5849101 | 0.5736 | 0.566 | 0.179636682 | count | 1 |
| POLA2 | 0.3354815 | 0.5106453 | 0.657 | 0.511 | 0.179636682 | count | 1 |
| NAPB | 0.3354815 | 0.4821486 | 0.6958 | 0.487 | 0.179636682 | count | 1 |
| ZNF616 | 0.2620427 | 0.5426644 | 0.4829 | 0.629 | 0.179713614 | count | 1 |
| CHM | 0.1339032 | 0.1497083 | 0.8944 | 0.371 | 0.179797427 | count | 1 |
| TMF1 | 0.1292431 | 0.1123355 | 1.1505 | 0.25 | 0.17994234 | count | 1 |
| SKAP2 | 0.1279366 | 0.0758942 | 1.6857 | 0.092 | 0.180078764 | count | 1 |
| RECQL5 | 0.4790831 | 0.6581414 | 0.7279 | 0.467 | 0.180150044 | count | 1 |
| TAF1D | 0.1280737 | 0.0881483 | 1.4529 | 0.146 | 0.180245859 | count | 1 |
| CMTM4 | 0.4143394 | 1.0044357 | 0.4125 | 0.68 | 0.180344398 | count | 1 |
| GCC2 | 0.1296584 | 0.1090609 | 1.1889 | 0.235 | 0.180355068 | count | 1 |
| XBP1 | 0.1277159 | 0.0742615 | 1.7198 | 0.0856 | 0.180697111 | count | 1 |
| ECSIT | 0.1617804 | 0.2679638 | 0.6037 | 0.546 | 0.180702512 | count | 1 |
| TOPORS | 0.1381128 | 0.1398811 | 0.9874 | 0.324 | 0.180959784 | count | 1 |
| ARL13B | 0.151968 | 0.2274615 | 0.6681 | 0.504 | 0.181242406 | count | 1 |
| CRYBG1 | 0.137445 | 0.1300854 | 1.0566 | 0.291 | 0.181314551 | count | 1 |
| ZNF862 | 0.371577 | 0.6007818 | 0.6185 | 0.536 | 0.181438297 | count | 1 |
| TMEM86B | 0.371577 | 0.6926517 | 0.5365 | 0.592 | 0.181438297 | count | 1 |
| FBXW2 | 0.1495371 | 0.2340136 | 0.639 | 0.523 | 0.181609459 | count | 1 |
| RING1 | 0.1431781 | 0.1899449 | 0.7538 | 0.451 | 0.181651428 | count | 1 |
| SCFD2 | 0.2941531 | 0.4088984 | 0.7194 | 0.472 | 0.181731223 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|---------|-------------|-------|---|
| KAT6A | 0.1429485 | 0.1766021 | 0.8094 | 0.418 | 0.181825032 | count | 1 |
| KATNB1 | 0.1912996 | 0.3775958 | 0.5066 | 0.612 | 0.181869238 | count | 1 |
| NAGPA | 0.138611 | 0.1885147 | 0.7353 | 0.462 | 0.181878088 | count | 1 |
| MTMR10 | 0.150574 | 0.283814 | 0.5305 | 0.596 | 0.181992899 | count | 1 |
| NRIP1 | 0.1332834 | 0.1612185 | 0.8267 | 0.408 | 0.182002895 | count | 1 |
| TMA7 | 0.1269692 | 0.0419836 | 3.0243 | 0.00252 | 0.182127801 | count | 1 |
| FBXW7 | 0.1397833 | 0.1992509 | 0.7015 | 0.483 | 0.182313958 | count | 1 |
| HBP1 | 0.1348508 | 0.1199774 | 1.124 | 0.261 | 0.182343118 | count | 1 |
| UNC93B1 | 0.1303488 | 0.0875202 | 1.4894 | 0.137 | 0.182403186 | count | 1 |
| RPN1 | 0.1302887 | 0.093292 | 1.3966 | 0.163 | 0.182574722 | count | 1 |
| MED29 | 0.1328513 | 0.1289498 | 1.0303 | 0.303 | 0.182666087 | count | 1 |
| PANK2 | 0.1385877 | 0.1827552 | 0.7583 | 0.448 | 0.182710968 | count | 1 |
| INTS6 | 0.1357689 | 0.1562397 | 0.869 | 0.385 | 0.182741401 | count | 1 |
| AC243829.1 | 0.4197244 | 0.5783199 | 0.7258 | 0.468 | 0.182891772 | count | 1 |
| ZNF443 | 0.4864555 | 0.8999408 | 0.5405 | 0.589 | 0.183211653 | count | 1 |
| TANGO2 | 0.1571409 | 0.2752411 | 0.5709 | 0.568 | 0.183276268 | count | 1 |
| GUF1 | 0.1928797 | 0.3846397 | 0.5015 | 0.616 | 0.183402445 | count | 1 |
| RBM10 | 0.1679706 | 0.3202784 | 0.5245 | 0.6 | 0.183459305 | count | 1 |
| GTF2F1 | 0.1332563 | 0.1236539 | 1.0777 | 0.281 | 0.183484045 | count | 1 |
| RBM7 | 0.1470361 | 0.1869324 | 0.7866 | 0.432 | 0.183571026 | count | 1 |
| CLEC10A | 0.1317264 | 0.1072139 | 1.2286 | 0.219 | 0.183651487 | count | 1 |
| IL12RB1 | 0.2100932 | 0.3513197 | 0.598 | 0.55 | 0.183726903 | count | 1 |
| LINC01003 | 0.1408116 | 0.1940274 | 0.7257 | 0.468 | 0.183807789 | count | 1 |
| UBQLN4 | 0.2150927 | 0.3688082 | 0.5832 | 0.56 | 0.184191985 | count | 1 |
| AC005225.2 | 0.790874 | 0.9377149 | 0.8434 | 0.399 | 0.184318993 | count | 1 |
| C19orf33 | 0.790874 | 0.8046216 | 0.9829 | 0.326 | 0.184318993 | count | 1 |
| CNTROB | 0.3184024 | 0.5002542 | 0.6365 | 0.525 | 0.184432466 | count | 1 |
| C2orf42 | 0.343899 | 0.5358375 | 0.6418 | 0.521 | 0.184439089 | count | 1 |
| FAM20B | 0.1847198 | 0.3766169 | 0.4905 | 0.624 | 0.184484538 | count | 1 |
| GDI2 | 0.1305979 | 0.0647936 | 2.0156 | 0.044 | 0.184529566 | count | 1 |
| PGLS | 0.1289469 | 0.0479013 | 2.6919 | 0.00715 | 0.184544869 | count | 1 |
| HMGXB4 | 0.1361789 | 0.194956 | 0.6985 | 0.485 | 0.184613938 | count | 1 |
| ZNF181 | 0.2263466 | 0.4195505 | 0.5395 | 0.59 | 0.184748606 | count | 1 |
| CCDC47 | 0.1312174 | 0.0797876 | 1.6446 | 0.1 | 0.184821967 | count | 1 |
| PPP6R2 | 0.1509155 | 0.2971922 | 0.5078 | 0.612 | 0.184943361 | count | 1 |
| NEDD4 | 0.2209719 | 0.3435926 | 0.6431 | 0.52 | 0.184954812 | count | 1 |
| AC240274.1 | 0.5967236 | 0.4090127 | 1.4589 | 0.145 | 0.185010004 | count | 1 |
| GALNT6 | 0.1664786 | 0.2648839 | 0.6285 | 0.53 | 0.185019369 | count | 1 |
| PPP1R3G | 0.2330231 | 0.5712307 | 0.4079 | 0.683 | 0.185025408 | count | 1 |
| SREK1IP1 | 0.1321167 | 0.1004432 | 1.3153 | 0.189 | 0.185038591 | count | 1 |
| CPSF3 | 0.1640556 | 0.2327682 | 0.7048 | 0.481 | 0.185129528 | count | 1 |
| ZNF513 | 0.1874749 | 0.3731787 | 0.5024 | 0.615 | 0.185177958 | count | 1 |
| SH3KBP1 | 0.1324027 | 0.0828654 | 1.5978 | 0.11 | 0.185426755 | count | 1 |
| AC010642.2 | 0.1458698 | 0.2147436 | 0.6793 | 0.497 | 0.185561126 | count | 1 |
| MYCBP2 | 0.1325622 | 0.0971954 | 1.3639 | 0.173 | 0.185584979 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|---|
| ZNF92 | 0.167906 | 0.2938946 | 0.5713 | 0.568 | 0.185586269 | count | 1 |
| COG2 | 0.1598066 | 0.27189 | 0.5878 | 0.557 | 0.185731817 | count | 1 |
| ASXL1 | 0.14065 | 0.1621254 | 0.8675 | 0.386 | 0.185790625 | count | 1 |
| LBR | 0.1335917 | 0.1179884 | 1.1322 | 0.258 | 0.18583461 | count | 1 |
| AC004241.1 | 0.3207578 | 0.5922552 | 0.5416 | 0.588 | 0.185876448 | count | 1 |
| BAX | 0.1308778 | 0.0667737 | 1.96 | 0.0501 | 0.185909247 | count | 1 |
| CYBC1 | 0.1361239 | 0.1086132 | 1.2533 | 0.21 | 0.185934807 | count | 1 |
| TBC1D7 | 0.1433431 | 0.184547 | 0.7767 | 0.437 | 0.186030389 | count | 1 |
| CD53 | 0.1301354 | 0.0477477 | 2.7255 | 0.0065 | 0.186119269 | count | 1 |
| PATZ1 | 0.3469252 | 0.4251156 | 0.8161 | 0.415 | 0.186168898 | count | 1 |
| UCHL5 | 0.1420861 | 0.1622587 | 0.8757 | 0.381 | 0.186322849 | count | 1 |
| ARHGDIB | 0.1298313 | 0.0357697 | 3.6296 | 0.00029 | 0.18641352 | count | 1 |
| AC107959.4 | 0.4272165 | 0.4925502 | 0.8674 | 0.386 | 0.186443914 | count | 1 |
| MRPL16 | 0.1358311 | 0.115196 | 1.1791 | 0.238 | 0.186454149 | count | 1 |
| RPL38 | 0.1300123 | 0.0354234 | 3.6702 | 0.000247 | 0.186461423 | count | 1 |
| HNRNPA2B1 | 0.1300188 | 0.0388072 | 3.3504 | 0.000819 | 0.186655368 | count | 1 |
| ZNF316 | 0.213476 | 0.3297725 | 0.6473 | 0.517 | 0.186762785 | count | 1 |
| DDX18 | 0.132772 | 0.0819979 | 1.6192 | 0.106 | 0.187064166 | count | 1 |
| PLOD1 | 0.1628684 | 0.2648056 | 0.615 | 0.539 | 0.187101436 | count | 1 |
| FDPS | 0.1359064 | 0.1171021 | 1.1606 | 0.246 | 0.187204077 | count | 1 |
| MRPL48 | 0.1518535 | 0.2709175 | 0.5605 | 0.575 | 0.187243533 | count | 1 |
| AC084346.2 | 0.6035605 | 0.7763349 | 0.7774 | 0.437 | 0.187408724 | count | 1 |
| AL157938.3 | 0.6035605 | 0.7889991 | 0.765 | 0.444 | 0.187408724 | count | 1 |
| AP003392.6 | 0.6035605 | 0.7584041 | 0.7958 | 0.426 | 0.187408724 | count | 1 |
| SIAE | 0.6035605 | 0.7738528 | 0.7799 | 0.436 | 0.187408724 | count | 1 |
| EMID1 | 1.322619 | 0.7634871 | 1.7323 | 0.0833 | 0.187420524 | count | 1 |
| GUCD1 | 0.1475331 | 0.1918418 | 0.769 | 0.442 | 0.187450503 | count | 1 |
| PIP5K1C | 0.1596654 | 0.2691764 | 0.5932 | 0.553 | 0.187554344 | count | 1 |
| DUT | 0.1331853 | 0.0932163 | 1.4288 | 0.153 | 0.187688267 | count | 1 |
| CCDC9 | 0.1778897 | 0.355808 | 0.5 | 0.617 | 0.187751871 | count | 1 |
| POLG2 | 0.1729947 | 0.468823 | 0.369 | 0.712 | 0.187820493 | count | 1 |
| AL353622.1 | 0.604777 | 0.8045314 | 0.7517 | 0.452 | 0.187836116 | count | 1 |
| MIR3142HG | 0.604777 | 0.8421133 | 0.7182 | 0.473 | 0.187836116 | count | 1 |
| RPS6KB2 | 0.1402889 | 0.1772342 | 0.7915 | 0.429 | 0.187840415 | count | 1 |
| HIF1AN | 0.1636516 | 0.3999483 | 0.4092 | 0.682 | 0.188010619 | count | 1 |
| PRR7 | 0.1795987 | 0.3680124 | 0.488 | 0.626 | 0.188054688 | count | 1 |
| ALKBH4 | 0.1732348 | 0.4320854 | 0.4009 | 0.689 | 0.188084682 | count | 1 |
| TPP2 | 0.1449967 | 0.1764453 | 0.8218 | 0.411 | 0.188186315 | count | 1 |
| CHIC1 | 0.3844623 | 0.7706398 | 0.4989 | 0.618 | 0.188209172 | count | 1 |
| AP000845.1 | 0.3844623 | 0.8323994 | 0.4619 | 0.644 | 0.188209172 | count | 1 |
| AC018413.1 | 0.3844623 | 0.7581035 | 0.5071 | 0.612 | 0.188209172 | count | 1 |
| ZNF543 | 0.3844623 | 0.8405036 | 0.4574 | 0.647 | 0.188209172 | count | 1 |
| AL022322.2 | 0.3844623 | 0.8323994 | 0.4619 | 0.644 | 0.188209172 | count | 1 |
| MYL9 | 0.1770248 | 0.3624943 | 0.4884 | 0.625 | 0.188268842 | count | 1 |
| COG3 | 0.1593126 | 0.3497309 | 0.4555 | 0.649 | 0.188363651 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-----------|
| COX4I1 | 0.1309207 | 0.0280538 | 4.6668 | 3.22E-06 | 0.188391001 | count | 0.0765233 |
| TVP23B | 0.1747266 | 0.3172319 | 0.5508 | 0.582 | 0.188467058 | count | 1 |
| AC018797.2 | 0.385126 | 0.5902951 | 0.6524 | 0.514 | 0.188558734 | count | 1 |
| LINC00957 | 0.385126 | 0.6671663 | 0.5773 | 0.564 | 0.188558734 | count | 1 |
| PORCN | 0.2881092 | 0.4841314 | 0.5951 | 0.552 | 0.188582134 | count | 1 |
| NAA30 | 0.190921 | 0.4196791 | 0.4549 | 0.649 | 0.18864606 | count | 1 |
| TMEM18 | 0.1361106 | 0.1314398 | 1.0355 | 0.301 | 0.188716733 | count | 1 |
| WDR59 | 0.2115492 | 0.3449638 | 0.6133 | 0.54 | 0.188745876 | count | 1 |
| BIRC2 | 0.1401181 | 0.1432989 | 0.9778 | 0.328 | 0.188824602 | count | 1 |
| ZNF789 | 0.2377416 | 0.3563323 | 0.6672 | 0.505 | 0.188896235 | count | 1 |
| CALHM6 | 0.1570586 | 0.1538576 | 1.0208 | 0.307 | 0.188922645 | count | 1 |
| ZNF253 | 0.4326078 | 0.5322095 | 0.8129 | 0.416 | 0.189005744 | count | 1 |
| CXCR2 | 1.3322248 | 0.9509183 | 1.401 | 0.161 | 0.189071541 | count | 1 |
| ELP3 | 0.1742493 | 0.3058775 | 0.5697 | 0.569 | 0.189201072 | count | 1 |
| ZSCAN26 | 0.2083103 | 0.4770866 | 0.4366 | 0.662 | 0.189221883 | count | 1 |
| KLF11 | 0.1523257 | 0.2451583 | 0.6213 | 0.534 | 0.189239545 | count | 1 |
| GDI1 | 0.1472665 | 0.1804609 | 0.8161 | 0.415 | 0.189302472 | count | 1 |
| RPAIN | 0.1364986 | 0.1090047 | 1.2522 | 0.211 | 0.189394778 | count | 1 |
| NEURL4 | 0.2319688 | 0.9217573 | 0.2517 | 0.801 | 0.189481139 | count | 1 |
| REEP3 | 0.1357632 | 0.1166173 | 1.1642 | 0.244 | 0.189539584 | count | 1 |
| CMTM7 | 0.1368665 | 0.0995875 | 1.3743 | 0.169 | 0.189694833 | count | 1 |
| SUCLG1 | 0.1374314 | 0.0991805 | 1.3857 | 0.166 | 0.190177138 | count | 1 |
| SLC26A2 | 0.1635989 | 0.2711662 | 0.6033 | 0.546 | 0.190183501 | count | 1 |
| GFM2 | 0.2270848 | 0.4201444 | 0.5405 | 0.589 | 0.190223001 | count | 1 |
| LTBP2 | 0.2905308 | 0.347233 | 0.8367 | 0.403 | 0.190244149 | count | 1 |
| LRRC37A3 | 1.3390987 | 1.045264 | 1.2811 | 0.2 | 0.190254038 | count | 1 |
| CNNM3 | 0.3279315 | 0.6844555 | 0.4791 | 0.632 | 0.190280978 | count | 1 |
| GNG12 | 0.3075903 | 0.3839719 | 0.8011 | 0.423 | 0.190478876 | count | 1 |
| SMIM20 | 0.1402712 | 0.1390776 | 1.0086 | 0.313 | 0.190624747 | count | 1 |
| LCLAT1 | 0.2486387 | 0.4324058 | 0.575 | 0.565 | 0.191720336 | count | 1 |
| FIGNL1 | 0.2672769 | 0.6461276 | 0.4137 | 0.679 | 0.19182682 | count | 1 |
| PXN-AS1 | 0.2672769 | 0.5912551 | 0.4521 | 0.651 | 0.19182682 | count | 1 |
| DNAJC27 | 0.2015693 | 0.6714709 | 0.3002 | 0.764 | 0.191842622 | count | 1 |
| PRSS23 | 1.348495 | 0.6065373 | 2.2233 | 0.0263 | 0.191871816 | count | 1 |
| TRABD2A | 0.4390606 | 0.7794505 | 0.5633 | 0.573 | 0.192078247 | count | 1 |
| TTC12 | 0.4390606 | 0.7794505 | 0.5633 | 0.573 | 0.192078247 | count | 1 |
| LKAAEAR1 | 0.4390606 | 0.6946211 | 0.6321 | 0.527 | 0.192078247 | count | 1 |
| FANCA | 0.392235 | 0.4346439 | 0.9024 | 0.367 | 0.192307836 | count | 1 |
| ZNF624 | 0.4395947 | 0.5476351 | 0.8027 | 0.422 | 0.19233286 | count | 1 |
| KCNAB3 | 1.351332 | 1.132474 | 1.1933 | 0.233 | 0.192360425 | count | 1 |
| AHR | 0.1416336 | 0.1286978 | 1.1005 | 0.271 | 0.192481022 | count | 1 |
| ZMIZ1-AS1 | 0.2357336 | 0.5356727 | 0.4401 | 0.66 | 0.192653805 | count | 1 |
| IQGAP1 | 0.1353658 | 0.0602493 | 2.2468 | 0.0247 | 0.19287349 | count | 1 |
| FAM160B2 | 0.2428082 | 0.418429 | 0.5803 | 0.562 | 0.193057731 | count | 1 |
| COPS6 | 0.1378574 | 0.0942757 | 1.4623 | 0.144 | 0.193075684 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|---------|-------------|-------|---|
| CFAP97 | 0.1456782 | 0.1600574 | 0.9102 | 0.363 | 0.193357264 | count | 1 |
| CCZ1 | 0.1536645 | 0.2028219 | 0.7576 | 0.449 | 0.193411207 | count | 1 |
| SRRM2 | 0.1352643 | 0.0542732 | 2.4923 | 0.0128 | 0.193707058 | count | 1 |
| AC003101.2 | 0.360186 | 0.8057035 | 0.447 | 0.655 | 0.193769245 | count | 1 |
| LACTB2 | 0.149288 | 0.22066 | 0.6766 | 0.499 | 0.193782191 | count | 1 |
| KMT2A | 0.141957 | 0.1405508 | 1.01 | 0.313 | 0.193782307 | count | 1 |
| LIX1L | 0.1604682 | 0.2380574 | 0.6741 | 0.5 | 0.194049764 | count | 1 |
| EIF2A | 0.1405334 | 0.0908716 | 1.5465 | 0.122 | 0.194085875 | count | 1 |
| FMR1 | 0.1516013 | 0.2041407 | 0.7426 | 0.458 | 0.194269274 | count | 1 |
| NEURL1 | 0.2177799 | 0.3634201 | 0.5993 | 0.549 | 0.194448663 | count | 1 |
| LINC00921 | 0.2608893 | 0.474441 | 0.5499 | 0.582 | 0.194575949 | count | 1 |
| SYK | 0.1395098 | 0.1050238 | 1.3284 | 0.184 | 0.194659527 | count | 1 |
| INSIG2 | 0.1575687 | 0.2219189 | 0.71 | 0.478 | 0.194718116 | count | 1 |
| CFLAR-AS1 | 0.283068 | 0.4665572 | 0.6067 | 0.544 | 0.194791578 | count | 1 |
| THAP12 | 0.1461062 | 0.1753482 | 0.8332 | 0.405 | 0.194838059 | count | 1 |
| MAFG | 0.1396521 | 0.1132605 | 1.233 | 0.218 | 0.19507469 | count | 1 |
| PPP2R3C | 0.141992 | 0.1330981 | 1.0668 | 0.286 | 0.195116324 | count | 1 |
| PSMC4 | 0.1395394 | 0.0944026 | 1.4781 | 0.14 | 0.195134558 | count | 1 |
| GPATCH1 | 0.2275942 | 0.3667125 | 0.6206 | 0.535 | 0.195205267 | count | 1 |
| AC116366.1 | 0.6261912 | 0.5654067 | 1.1075 | 0.268 | 0.195388354 | count | 1 |
| SECTM1 | 0.1468928 | 0.1208731 | 1.2153 | 0.224 | 0.195596773 | count | 1 |
| DDX58 | 0.1634821 | 0.2239046 | 0.7301 | 0.465 | 0.195651204 | count | 1 |
| DHFR2 | 0.31558 | 0.7159299 | 0.4408 | 0.659 | 0.19569731 | count | 1 |
| BMI1 | 0.1815795 | 0.3357992 | 0.5407 | 0.589 | 0.195965027 | count | 1 |
| RBM12 | 0.1625754 | 0.2791079 | 0.5825 | 0.56 | 0.19612362 | count | 1 |
| APOBR | 0.1486132 | 0.2282726 | 0.651 | 0.515 | 0.196229724 | count | 1 |
| FAM221A | 0.2340832 | 0.3918636 | 0.5974 | 0.55 | 0.196263659 | count | 1 |
| LANCL2 | 0.2851424 | 0.5324648 | 0.5355 | 0.592 | 0.196284118 | count | 1 |
| AL590822.2 | 1.37497 | 0.6288247 | 2.1866 | 0.0289 | 0.196437539 | count | 1 |
| MTCP1 | 1.37497 | 1.145237 | 1.2006 | 0.23 | 0.196437539 | count | 1 |
| GXYLT1 | 0.1777461 | 0.2817192 | 0.6309 | 0.528 | 0.1966044 | count | 1 |
| IKBIP | 0.1412679 | 0.0965714 | 1.4628 | 0.144 | 0.196670994 | count | 1 |
| ATP5MG | 0.1371669 | 0.0390372 | 3.5137 | 0.00045 | 0.196794911 | count | 1 |
| GTF2E2 | 0.1521729 | 0.1915557 | 0.7944 | 0.427 | 0.196821431 | count | 1 |
| RMC1 | 0.1771912 | 0.2529619 | 0.7005 | 0.484 | 0.197077098 | count | 1 |
| RIOK1 | 0.152842 | 0.2356211 | 0.6487 | 0.517 | 0.197114094 | count | 1 |
| IRF4 | 0.2250153 | 0.3912235 | 0.5752 | 0.565 | 0.197135892 | count | 1 |
| KLHL12 | 0.2132711 | 0.3683438 | 0.579 | 0.563 | 0.197151912 | count | 1 |
| RANGRF | 0.1479854 | 0.1865821 | 0.7931 | 0.428 | 0.197255401 | count | 1 |
| CCAR1 | 0.1513088 | 0.1553429 | 0.974 | 0.33 | 0.197415089 | count | 1 |
| AL031714.1 | 0.4507117 | 1.0299973 | 0.4376 | 0.662 | 0.197643117 | count | 1 |
| YJEFN3 | 0.4507117 | 0.7316632 | 0.616 | 0.538 | 0.197643117 | count | 1 |
| NKAP | 0.1452791 | 0.1216225 | 1.1945 | 0.232 | 0.197774299 | count | 1 |
| ANAPC16 | 0.1394108 | 0.0748703 | 1.862 | 0.0627 | 0.197777847 | count | 1 |
| MBNL1-AS1 | 0.2753601 | 0.4816819 | 0.5717 | 0.568 | 0.197874367 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| PDLIM5 | 0.1473346 | 0.1365427 | 1.079 | 0.281 | 0.197890477 | count | 1 |
| DHX30 | 0.1581787 | 0.2162165 | 0.7316 | 0.464 | 0.197899462 | count | 1 |
| BCL2L2 | 0.18887 | 0.471234 | 0.4008 | 0.689 | 0.197919837 | count | 1 |
| H6PD | 0.1657133 | 0.2726464 | 0.6078 | 0.543 | 0.198345123 | count | 1 |
| CLHC1 | 0.3023778 | 0.6021317 | 0.5022 | 0.616 | 0.198392243 | count | 1 |
| ARHGEF3 | 0.1865437 | 0.2850602 | 0.6544 | 0.513 | 0.198547705 | count | 1 |
| RPS8 | 0.1377132 | 0.0240875 | 5.7172 | 1.21E-08 | 0.19855089 | count | 0.000290219 |
| DHX40 | 0.1627842 | 0.2077868 | 0.7834 | 0.433 | 0.198735994 | count | 1 |
| VPS16 | 0.1621622 | 0.2175037 | 0.7456 | 0.456 | 0.198831814 | count | 1 |
| TUBGCP3 | 0.1709953 | 0.2541365 | 0.6728 | 0.501 | 0.198871421 | count | 1 |
| TRIQQ | 0.1577711 | 0.2196178 | 0.7184 | 0.473 | 0.19890398 | count | 1 |
| FBXO9 | 0.1463017 | 0.1417001 | 1.0325 | 0.302 | 0.198953315 | count | 1 |
| ZNF644 | 0.1463096 | 0.1369212 | 1.0686 | 0.285 | 0.198964086 | count | 1 |
| NMD3 | 0.1591087 | 0.1961448 | 0.8112 | 0.417 | 0.199070718 | count | 1 |
| DHRS7 | 0.1400625 | 0.0680268 | 2.0589 | 0.0396 | 0.199282984 | count | 1 |
| USP38 | 0.1757165 | 0.234685 | 0.7487 | 0.454 | 0.19938743 | count | 1 |
| DNTTIP2 | 0.1412544 | 0.0914402 | 1.5448 | 0.123 | 0.199459814 | count | 1 |
| RPE | 0.16715 | 0.226839 | 0.7369 | 0.461 | 0.199513999 | count | 1 |
| RPL14 | 0.1385705 | 0.0248397 | 5.5786 | 2.69E-08 | 0.199648549 | count | 0.00064439 |
| FAM204A | 0.1422315 | 0.0865364 | 1.6436 | 0.1 | 0.199728082 | count | 1 |
| AL136162.1 | 0.3045749 | 0.5968112 | 0.5103 | 0.61 | 0.199906472 | count | 1 |
| NATD1 | 0.3710512 | 0.4503596 | 0.8239 | 0.41 | 0.20002099 | count | 1 |
| SETD7 | 0.1610393 | 0.22647 | 0.7111 | 0.477 | 0.200140878 | count | 1 |
| IL13RA1 | 0.1430041 | 0.0851578 | 1.6793 | 0.0932 | 0.200150982 | count | 1 |
| BAP1 | 0.2003305 | 0.3738731 | 0.5358 | 0.592 | 0.200375531 | count | 1 |
| DNAJC2 | 0.1462506 | 0.1333887 | 1.0964 | 0.273 | 0.200381695 | count | 1 |
| TNFRSF1A | 0.143878 | 0.0821449 | 1.7515 | 0.08 | 0.20046809 | count | 1 |
| RPL22L1 | 0.1415177 | 0.0824535 | 1.7163 | 0.0862 | 0.20049826 | count | 1 |
| HSPA1A | 0.1393774 | 0.0775314 | 1.7977 | 0.0723 | 0.200540009 | count | 1 |
| C1orf123 | 0.1456193 | 0.1317333 | 1.1054 | 0.269 | 0.200711444 | count | 1 |
| CEP57L1 | 0.2031374 | 0.3243375 | 0.6263 | 0.531 | 0.200957816 | count | 1 |
| C2CD3 | 0.2031374 | 0.4989547 | 0.4071 | 0.684 | 0.200957816 | count | 1 |
| PIGA | 0.1902624 | 0.3698675 | 0.5144 | 0.607 | 0.201019039 | count | 1 |
| CES2 | 0.1670748 | 0.3410063 | 0.4899 | 0.624 | 0.201076006 | count | 1 |
| ASF1B | 0.8524591 | 0.6809776 | 1.2518 | 0.211 | 0.201258327 | count | 1 |
| CLASP1 | 0.1841105 | 0.370384 | 0.4971 | 0.619 | 0.201334513 | count | 1 |
| SEMA6A-AS1 | 0.8529447 | 1.069174 | 0.7978 | 0.425 | 0.201393071 | count | 1 |
| MAP3K13 | 0.1469026 | 0.1331596 | 1.1032 | 0.27 | 0.201485574 | count | 1 |
| MFF | 0.1446466 | 0.1170918 | 1.2353 | 0.217 | 0.201710837 | count | 1 |
| HDGF | 0.1447186 | 0.1089695 | 1.3281 | 0.184 | 0.201755552 | count | 1 |
| DPH6 | 0.1692963 | 0.2551448 | 0.6635 | 0.507 | 0.202099325 | count | 1 |
| VPS35L | 0.1827521 | 0.2740883 | 0.6668 | 0.505 | 0.202215305 | count | 1 |
| ZDHHC13 | 0.2152907 | 0.7502037 | 0.287 | 0.774 | 0.20221818 | count | 1 |
| SLC30A7 | 0.1676348 | 0.219826 | 0.7626 | 0.446 | 0.202279599 | count | 1 |
| DBF4 | 0.1561052 | 0.201698 | 0.774 | 0.439 | 0.202310026 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|----------|
| H2AFX | 0.1609824 | 0.1829905 | 0.8797 | 0.379 | 0.202378311 | count | 1 |
| AL034549.1 | 0.2070521 | 0.4766972 | 0.4343 | 0.664 | 0.20246531 | count | 1 |
| FGFR1OP | 0.2156755 | 0.3954397 | 0.5454 | 0.586 | 0.202588041 | count | 1 |
| CPE | 0.6469752 | 0.5646762 | 1.1457 | 0.252 | 0.202769686 | count | 1 |
| ADD1 | 0.1508989 | 0.1621219 | 0.9308 | 0.352 | 0.20277523 | count | 1 |
| NUP54 | 0.1623464 | 0.2321116 | 0.6994 | 0.484 | 0.202816945 | count | 1 |
| ZCWPW1 | 0.1988404 | 0.4633776 | 0.4291 | 0.668 | 0.203006125 | count | 1 |
| FAM98C | 0.1659306 | 0.2282828 | 0.7269 | 0.467 | 0.203053556 | count | 1 |
| UCN | 0.6480194 | 0.9605233 | 0.6747 | 0.5 | 0.20314184 | count | 1 |
| AC009962.1 | 0.6480194 | 1.454252 | 0.4456 | 0.656 | 0.20314184 | count | 1 |
| ZSCAN31 | 0.6480194 | 1.0230415 | 0.6334 | 0.527 | 0.20314184 | count | 1 |
| AL512791.2 | 0.6480194 | 0.9634124 | 0.6726 | 0.501 | 0.20314184 | count | 1 |
| AC010542.4 | 0.6480194 | 0.9605233 | 0.6747 | 0.5 | 0.20314184 | count | 1 |
| AP005131.1 | 0.6480194 | 1.119601 | 0.5788 | 0.563 | 0.20314184 | count | 1 |
| CHAF1B | 0.6480194 | 0.9634124 | 0.6726 | 0.501 | 0.20314184 | count | 1 |
| SHPK | 0.6483378 | 0.745956 | 0.8691 | 0.385 | 0.203255345 | count | 1 |
| FADD | 0.1858582 | 0.3063915 | 0.6066 | 0.544 | 0.203272531 | count | 1 |
| POLI | 0.1858582 | 0.4388065 | 0.4236 | 0.672 | 0.203272531 | count | 1 |
| USP21 | 0.4625327 | 0.6009292 | 0.7697 | 0.442 | 0.203311596 | count | 1 |
| WDR76 | 0.4625327 | 0.6096328 | 0.7587 | 0.448 | 0.203311596 | count | 1 |
| ARHGAP9 | 0.1573379 | 0.1537641 | 1.0232 | 0.306 | 0.203341523 | count | 1 |
| PEMT | 0.1768595 | 0.2564823 | 0.6896 | 0.491 | 0.203355747 | count | 1 |
| TMEM30A | 0.1484294 | 0.1322702 | 1.1222 | 0.262 | 0.203459155 | count | 1 |
| NRDE2 | 0.1769558 | 0.2697839 | 0.6559 | 0.512 | 0.203467718 | count | 1 |
| PDK2 | 0.1743463 | 0.2496727 | 0.6983 | 0.485 | 0.203553529 | count | 1 |
| MHENCN | 0.1821278 | 0.3883796 | 0.4689 | 0.639 | 0.203722732 | count | 1 |
| MKRN2 | 0.1803607 | 0.3053945 | 0.5906 | 0.555 | 0.203755574 | count | 1 |
| IFT140 | 0.2955499 | 1.1401469 | 0.2592 | 0.795 | 0.203785583 | count | 1 |
| KCNA3 | 0.4139213 | 0.6632132 | 0.6241 | 0.533 | 0.203799651 | count | 1 |
| MYBPC3 | 0.4139213 | 1.0065425 | 0.4112 | 0.681 | 0.203799651 | count | 1 |
| HOTAIRM1 | 0.1504489 | 0.1269617 | 1.185 | 0.236 | 0.203825384 | count | 1 |
| STK16 | 0.1629021 | 0.2060697 | 0.7905 | 0.429 | 0.203849059 | count | 1 |
| AC007388.1 | 0.1596233 | 0.2589542 | 0.6164 | 0.538 | 0.203903524 | count | 1 |
| SYPL1 | 0.1460551 | 0.1089077 | 1.3411 | 0.18 | 0.203998085 | count | 1 |
| RNF38 | 0.1729829 | 0.361139 | 0.479 | 0.632 | 0.20403001 | count | 1 |
| ARHGAP31 | 0.1877522 | 0.3009806 | 0.6238 | 0.533 | 0.204075463 | count | 1 |
| IKZF4 | 0.2641509 | 0.4942432 | 0.5345 | 0.593 | 0.204133561 | count | 1 |
| FAU | 0.1416396 | 0.0226274 | 6.2597 | 4.54E-10 | 0.204142846 | count | 1.09E-05 |
| DOHH | 0.1807528 | 0.4200151 | 0.4303 | 0.667 | 0.204203954 | count | 1 |
| ETNK1 | 0.1483036 | 0.1259954 | 1.1771 | 0.239 | 0.20445262 | count | 1 |
| RBM25 | 0.1437639 | 0.0726437 | 1.979 | 0.0479 | 0.204514805 | count | 1 |
| INPP4B | 0.6519234 | 0.723877 | 0.9006 | 0.368 | 0.204534363 | count | 1 |
| BTBD10 | 0.1661317 | 0.2302676 | 0.7215 | 0.471 | 0.204577199 | count | 1 |
| CDK9 | 0.1563199 | 0.2047006 | 0.7637 | 0.445 | 0.204619248 | count | 1 |
| DENR | 0.1491232 | 0.1298252 | 1.1486 | 0.251 | 0.204741679 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|--------|-------------|-------|---|
| ESCO1 | 0.1574423 | 0.2003732 | 0.7857 | 0.432 | 0.204775497 | count | 1 |
| PCYOX1L | 0.4160626 | 0.3892076 | 1.069 | 0.285 | 0.204938806 | count | 1 |
| RNF2 | 0.1605427 | 0.2174861 | 0.7382 | 0.46 | 0.20508474 | count | 1 |
| ZNF205 | 0.2339583 | 0.4872028 | 0.4802 | 0.631 | 0.20519324 | count | 1 |
| RPGRIP1 | 0.3800354 | 0.6393702 | 0.5944 | 0.552 | 0.205206944 | count | 1 |
| SEC23A | 0.1688669 | 0.2098862 | 0.8046 | 0.421 | 0.205282014 | count | 1 |
| MT-ATP8 | 0.1525489 | 0.1516325 | 1.006 | 0.314 | 0.20532132 | count | 1 |
| TMEM216 | 0.17016 | 0.2605351 | 0.6531 | 0.514 | 0.205353212 | count | 1 |
| STMP1 | 0.1443391 | 0.065529 | 2.2027 | 0.0277 | 0.205374724 | count | 1 |
| CDK6 | 0.1580762 | 0.1782951 | 0.8866 | 0.375 | 0.205426624 | count | 1 |
| NAP1L1 | 0.1442209 | 0.0610586 | 2.362 | 0.0183 | 0.205467076 | count | 1 |
| CD163L1 | 0.1856696 | 0.3630475 | 0.5114 | 0.609 | 0.20548707 | count | 1 |
| PARP9 | 0.1561123 | 0.1492766 | 1.0458 | 0.296 | 0.205509378 | count | 1 |
| CCDC66 | 0.1565415 | 0.1799852 | 0.8697 | 0.385 | 0.205510434 | count | 1 |
| ARHGAP30 | 0.1492189 | 0.1087343 | 1.3723 | 0.17 | 0.205882709 | count | 1 |
| KLHDC10 | 0.1851733 | 0.2786764 | 0.6645 | 0.506 | 0.206072549 | count | 1 |
| TNS2 | 1.431815 | 0.7682421 | 1.8638 | 0.0625 | 0.206273245 | count | 1 |
| SPEF2 | 0.3319184 | 1.0844571 | 0.3061 | 0.76 | 0.206407992 | count | 1 |
| NONO | 0.1519357 | 0.1213666 | 1.2519 | 0.211 | 0.206461916 | count | 1 |
| RBMX | 0.1486155 | 0.0989422 | 1.502 | 0.133 | 0.20654639 | count | 1 |
| ATG101 | 0.1512216 | 0.1379824 | 1.0959 | 0.273 | 0.206609337 | count | 1 |
| PCID2 | 0.1616688 | 0.1946199 | 0.8307 | 0.406 | 0.206773162 | count | 1 |
| SDHD | 0.1470306 | 0.0862106 | 1.7055 | 0.0882 | 0.206843188 | count | 1 |
| PPM1B | 0.170221 | 0.1842509 | 0.9239 | 0.356 | 0.206941901 | count | 1 |
| BNC2 | 0.355036 | 0.5034792 | 0.7052 | 0.481 | 0.207012634 | count | 1 |
| BX255925.3 | 0.3330084 | 0.5872588 | 0.5671 | 0.571 | 0.207124413 | count | 1 |
| SAV1 | 0.1685598 | 0.2541239 | 0.6633 | 0.507 | 0.207169292 | count | 1 |
| NUP155 | 0.2205318 | 0.4434252 | 0.4973 | 0.619 | 0.207258228 | count | 1 |
| WBP11 | 0.1519547 | 0.1412227 | 1.076 | 0.282 | 0.207312687 | count | 1 |
| BCL2L11 | 0.1640237 | 0.1715311 | 0.9562 | 0.339 | 0.207424634 | count | 1 |
| LIN9 | 0.8752097 | 0.8365327 | 1.0462 | 0.296 | 0.20759053 | count | 1 |
| AC090152.1 | 0.8752097 | 0.8025996 | 1.0905 | 0.276 | 0.20759053 | count | 1 |
| DNALI1 | 0.3157764 | 0.6371674 | 0.4956 | 0.62 | 0.207641495 | count | 1 |
| AL136962.1 | 0.3157764 | 0.6767427 | 0.4666 | 0.641 | 0.207641495 | count | 1 |
| BICD1 | 0.288489 | 0.438158 | 0.6584 | 0.51 | 0.207725364 | count | 1 |
| LHFPL6 | 0.288489 | 0.5422228 | 0.532 | 0.595 | 0.207725364 | count | 1 |
| DIMT1 | 0.1701241 | 0.2395704 | 0.7101 | 0.478 | 0.207770296 | count | 1 |
| NR2C1 | 0.2075851 | 0.3562483 | 0.5827 | 0.56 | 0.20777514 | count | 1 |
| GLRX | 0.1455065 | 0.0570386 | 2.551 | 0.0108 | 0.207831647 | count | 1 |
| HINT2 | 0.1509314 | 0.1251621 | 1.2059 | 0.228 | 0.207909497 | count | 1 |
| DMAC2 | 0.1904586 | 0.3058145 | 0.6228 | 0.533 | 0.208376131 | count | 1 |
| ZNF302 | 0.1756245 | 0.3032293 | 0.5792 | 0.563 | 0.20848717 | count | 1 |
| CDC16 | 0.1756757 | 0.2519729 | 0.6972 | 0.486 | 0.208548542 | count | 1 |
| CEBPA | 0.1606111 | 0.1636091 | 0.9817 | 0.326 | 0.208554301 | count | 1 |
| BOD1 | 0.1693521 | 0.2265374 | 0.7476 | 0.455 | 0.20857359 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| LSM8 | 0.1493278 | 0.0865451 | 1.7254 | 0.0846 | 0.208575958 | count | 1 |
| RAPGEF6 | 0.2291724 | 0.4628937 | 0.4951 | 0.621 | 0.208670554 | count | 1 |
| FNIP1 | 0.150812 | 0.1228253 | 1.2279 | 0.22 | 0.208813911 | count | 1 |
| SAR1B | 0.151887 | 0.1292361 | 1.1753 | 0.24 | 0.208936063 | count | 1 |
| NOP9 | 0.2066048 | 0.4442431 | 0.4651 | 0.642 | 0.208980218 | count | 1 |
| AAAS | 0.1783315 | 0.3069824 | 0.5809 | 0.561 | 0.208992877 | count | 1 |
| MPND | 0.1732729 | 0.2431205 | 0.7127 | 0.476 | 0.209143164 | count | 1 |
| ATP8A1 | 0.2554188 | 0.5397607 | 0.4732 | 0.636 | 0.209289796 | count | 1 |
| NCAPH2 | 0.1812903 | 0.3062158 | 0.592 | 0.554 | 0.209357543 | count | 1 |
| PIBF1 | 0.1730292 | 0.2627528 | 0.6585 | 0.51 | 0.209372478 | count | 1 |
| RPS15A | 0.1454097 | 0.0258076 | 5.6344 | 1.96E-08 | 0.209508783 | count | 0.000469675 |
| RNASEH2B | 0.1508401 | 0.0983718 | 1.5334 | 0.125 | 0.209643509 | count | 1 |
| NSA2 | 0.1473949 | 0.0626907 | 2.3511 | 0.0188 | 0.209670347 | count | 1 |
| SLC31A2 | 0.1484631 | 0.0889927 | 1.6683 | 0.0954 | 0.209724069 | count | 1 |
| C16orf74 | 0.1796364 | 0.3788 | 0.4742 | 0.635 | 0.209795848 | count | 1 |
| YME1L1 | 0.1515171 | 0.1140882 | 1.3281 | 0.184 | 0.209820121 | count | 1 |
| TUT1 | 0.2632183 | 0.657731 | 0.4002 | 0.689 | 0.20987482 | count | 1 |
| AC018529.2 | 0.2267436 | 0.3249821 | 0.6977 | 0.485 | 0.209919861 | count | 1 |
| BCL2L13 | 0.1634248 | 0.1990495 | 0.821 | 0.412 | 0.209965749 | count | 1 |
| C6orf89 | 0.1578282 | 0.1502672 | 1.0503 | 0.294 | 0.209997038 | count | 1 |
| TCF19 | 0.5502916 | 0.6241421 | 0.8817 | 0.378 | 0.210050291 | count | 1 |
| BRF2 | 0.5502916 | 0.6163436 | 0.8928 | 0.372 | 0.210050291 | count | 1 |
| ANKRD52 | 0.4766136 | 0.560493 | 0.8503 | 0.395 | 0.210092946 | count | 1 |
| SCAMP4 | 0.1661567 | 0.1907297 | 0.8712 | 0.384 | 0.210139319 | count | 1 |
| MYOM2 | 0.3601964 | 0.7677059 | 0.4692 | 0.639 | 0.210214096 | count | 1 |
| AC138207.5 | 0.3601964 | 0.7132659 | 0.505 | 0.614 | 0.210214096 | count | 1 |
| AKR1C3 | 0.3601965 | 0.6671938 | 0.5399 | 0.589 | 0.210214161 | count | 1 |
| FAM214B | 0.1629912 | 0.2272539 | 0.7172 | 0.473 | 0.210273993 | count | 1 |
| EWSR1 | 0.1520032 | 0.1187916 | 1.2796 | 0.201 | 0.210409564 | count | 1 |
| TUBGCP4 | 0.2239607 | 0.5222479 | 0.4288 | 0.668 | 0.21055838 | count | 1 |
| CDK3 | 0.4266459 | 0.6985671 | 0.6107 | 0.541 | 0.210580723 | count | 1 |
| DVL1 | 0.2208979 | 0.4499617 | 0.4909 | 0.624 | 0.210667208 | count | 1 |
| UMAD1 | 0.1914452 | 0.4178131 | 0.4582 | 0.647 | 0.210743193 | count | 1 |
| CENPE | 0.4781087 | 0.410369 | 1.1651 | 0.244 | 0.210814828 | count | 1 |
| CIART | 1.4580827 | 0.6830038 | 2.1348 | 0.0329 | 0.210829706 | count | 1 |
| LRP2BP | 1.4580827 | 0.9933214 | 1.4679 | 0.142 | 0.210829706 | count | 1 |
| STAG1 | 0.174329 | 0.2062804 | 0.8451 | 0.398 | 0.210959076 | count | 1 |
| PTP4A3 | 0.5526914 | 0.5913221 | 0.9347 | 0.35 | 0.211070519 | count | 1 |
| ZNF133 | 0.5526914 | 0.5778526 | 0.9565 | 0.339 | 0.211070519 | count | 1 |
| CNOT2 | 0.1535687 | 0.1329223 | 1.1553 | 0.248 | 0.211100076 | count | 1 |
| DGKH | 0.2456842 | 0.3795052 | 0.6474 | 0.517 | 0.211197113 | count | 1 |
| TRAM2-AS1 | 0.2458107 | 0.4300645 | 0.5716 | 0.568 | 0.21130917 | count | 1 |
| ABHD13 | 0.1613576 | 0.2179246 | 0.7404 | 0.459 | 0.211402103 | count | 1 |
| FAM131A | 0.171983 | 0.2394801 | 0.7182 | 0.473 | 0.211410033 | count | 1 |
| IGSF6 | 0.1473078 | 0.0554756 | 2.6554 | 0.00797 | 0.211423733 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|------------|
| IKZF5 | 0.2071992 | 0.4163522 | 0.4977 | 0.619 | 0.211700292 | count | 1 |
| AP1B1 | 0.1568934 | 0.1296121 | 1.2105 | 0.226 | 0.21173342 | count | 1 |
| RASA4 | 0.1687168 | 0.2605756 | 0.6475 | 0.517 | 0.211843924 | count | 1 |
| AC025171.3 | 0.273803 | 0.550161 | 0.4977 | 0.619 | 0.211882133 | count | 1 |
| ZNF420 | 0.273803 | 0.4975383 | 0.5503 | 0.582 | 0.211882133 | count | 1 |
| LYPLA1 | 0.1528478 | 0.1149848 | 1.3293 | 0.184 | 0.212196759 | count | 1 |
| TRIM8 | 0.1538214 | 0.1316187 | 1.1687 | 0.243 | 0.212246297 | count | 1 |
| MBLAC2 | 0.55607 | 0.7257722 | 0.7662 | 0.444 | 0.212508196 | count | 1 |
| RGS3 | 0.3077559 | 0.4914814 | 0.6262 | 0.531 | 0.212611221 | count | 1 |
| IFT88 | 0.1820976 | 0.2459976 | 0.7402 | 0.459 | 0.212701287 | count | 1 |
| PPP2R2D | 0.1637112 | 0.1984203 | 0.8251 | 0.409 | 0.212786729 | count | 1 |
| AL451050.2 | 1.4693778 | 1.405249 | 1.0456 | 0.296 | 0.212790689 | count | 1 |
| NEB | 1.4693778 | 1.369788 | 1.0727 | 0.284 | 0.212790689 | count | 1 |
| LINC02447 | 1.4693778 | 1.1071362 | 1.3272 | 0.185 | 0.212790689 | count | 1 |
| HIST1H4B | 1.4693778 | 1.369788 | 1.0727 | 0.284 | 0.212790689 | count | 1 |
| TREML2 | 1.4693778 | 1.369788 | 1.0727 | 0.284 | 0.212790689 | count | 1 |
| ESR1 | 1.4693778 | 1.369788 | 1.0727 | 0.284 | 0.212790689 | count | 1 |
| TMEM184A | 1.4693778 | 1.405249 | 1.0456 | 0.296 | 0.212790689 | count | 1 |
| SUGCT | 1.4693778 | 1.1071362 | 1.3272 | 0.185 | 0.212790689 | count | 1 |
| NOS3 | 1.4693778 | 1.369788 | 1.0727 | 0.284 | 0.212790689 | count | 1 |
| AL136141.1 | 1.4693778 | 1.369788 | 1.0727 | 0.284 | 0.212790689 | count | 1 |
| AC078927.1 | 1.4693778 | 1.1071362 | 1.3272 | 0.185 | 0.212790689 | count | 1 |
| RNF31 | 1.4693778 | 1.1071362 | 1.3272 | 0.185 | 0.212790689 | count | 1 |
| AC092295.2 | 1.4693778 | 1.405249 | 1.0456 | 0.296 | 0.212790689 | count | 1 |
| KCNJ14 | 1.4693778 | 1.369788 | 1.0727 | 0.284 | 0.212790689 | count | 1 |
| PRCC | 0.1653264 | 0.2212621 | 0.7472 | 0.455 | 0.213088595 | count | 1 |
| AC027031.2 | 0.3236487 | 0.5583094 | 0.5797 | 0.562 | 0.213092531 | count | 1 |
| METAP1 | 0.1774576 | 0.2353307 | 0.7541 | 0.451 | 0.213118336 | count | 1 |
| LHPP | 0.1775281 | 0.2263499 | 0.7843 | 0.433 | 0.213203787 | count | 1 |
| SVIP | 0.1636915 | 0.2027995 | 0.8072 | 0.42 | 0.213302727 | count | 1 |
| ARMH3 | 0.1781213 | 0.2773942 | 0.6421 | 0.521 | 0.213337111 | count | 1 |
| LARP1B | 0.1802761 | 0.251829 | 0.7159 | 0.474 | 0.213401889 | count | 1 |
| FBH1 | 0.1898885 | 0.3052444 | 0.6221 | 0.534 | 0.213606906 | count | 1 |
| TRIM28 | 0.1599582 | 0.1603313 | 0.9977 | 0.319 | 0.213687926 | count | 1 |
| WDR70 | 0.1732012 | 0.202863 | 0.8538 | 0.393 | 0.213773727 | count | 1 |
| CD4 | 0.153261 | 0.0876738 | 1.7481 | 0.0806 | 0.213781765 | count | 1 |
| AGAP4 | 0.3431815 | 0.8237594 | 0.4166 | 0.677 | 0.213821997 | count | 1 |
| LRRC20 | 0.3431815 | 0.7168143 | 0.4788 | 0.632 | 0.213821997 | count | 1 |
| SLC46A2 | 0.2273641 | 0.3876894 | 0.5865 | 0.558 | 0.213836161 | count | 1 |
| DDX27 | 0.1571748 | 0.1365731 | 1.1508 | 0.25 | 0.213840073 | count | 1 |
| PREX1 | 0.1558251 | 0.1352907 | 1.1518 | 0.25 | 0.213881017 | count | 1 |
| SRGN | 0.1483991 | 0.0307085 | 4.8325 | 1.43E-06 | 0.213942418 | count | 0.03403972 |
| PGRMC2 | 0.1644703 | 0.1743681 | 0.9432 | 0.346 | 0.213962646 | count | 1 |
| ITGA9 | 0.3952181 | 0.3810779 | 1.0371 | 0.3 | 0.21400447 | count | 1 |
| AL008729.2 | 0.6787945 | 0.5884782 | 1.1535 | 0.249 | 0.214165887 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|----------|
| ZBED5-AS1 | 0.1733314 | 0.2898538 | 0.598 | 0.55 | 0.214348467 | count | 1 |
| TOR1AIP2 | 0.1550495 | 0.1220917 | 1.2699 | 0.204 | 0.214395292 | count | 1 |
| JMJD4 | 0.2120372 | 0.3382103 | 0.6269 | 0.531 | 0.214582726 | count | 1 |
| ARFGEF1 | 0.1608558 | 0.1658248 | 0.97 | 0.332 | 0.214891488 | count | 1 |
| HLTF | 0.1727512 | 0.2203613 | 0.7839 | 0.433 | 0.215181378 | count | 1 |
| AC009093.2 | 0.298427 | 0.4862455 | 0.6137 | 0.539 | 0.215205329 | count | 1 |
| COQ10B | 0.1581204 | 0.1358485 | 1.1639 | 0.245 | 0.215529728 | count | 1 |
| SCAF11 | 0.151766 | 0.0700882 | 2.1654 | 0.0305 | 0.215716355 | count | 1 |
| SRF | 0.1860536 | 0.3416443 | 0.5446 | 0.586 | 0.21576458 | count | 1 |
| ZNF496 | 0.2992123 | 0.4799478 | 0.6234 | 0.533 | 0.215797233 | count | 1 |
| AMN1 | 0.2112691 | 0.3611954 | 0.5849 | 0.559 | 0.215937799 | count | 1 |
| GSTP1 | 0.1500549 | 0.0369062 | 4.0658 | 4.94E-05 | 0.215980947 | count | 1 |
| LSM6 | 0.1532884 | 0.0961673 | 1.594 | 0.111 | 0.216096009 | count | 1 |
| PCM1 | 0.1545485 | 0.1179822 | 1.3099 | 0.19 | 0.216268678 | count | 1 |
| LRPPRC | 0.1684933 | 0.1781148 | 0.946 | 0.344 | 0.216281129 | count | 1 |
| ZNF597 | 0.3129071 | 0.502084 | 0.6232 | 0.533 | 0.216344773 | count | 1 |
| ZNF490 | 0.3002538 | 0.6951001 | 0.432 | 0.666 | 0.216582447 | count | 1 |
| SAFB2 | 0.1647488 | 0.1401283 | 1.1757 | 0.24 | 0.216636634 | count | 1 |
| CEP164 | 0.1830958 | 0.219674 | 0.8335 | 0.405 | 0.216773791 | count | 1 |
| CTSK | 0.4000223 | 0.6550894 | 0.6106 | 0.541 | 0.216796961 | count | 1 |
| MPST | 0.1599742 | 0.1330445 | 1.2024 | 0.229 | 0.21697017 | count | 1 |
| PRPF39 | 0.2523757 | 0.3323484 | 0.7594 | 0.448 | 0.21712887 | count | 1 |
| ELF2 | 0.1569511 | 0.1069269 | 1.4678 | 0.142 | 0.217182934 | count | 1 |
| BIRC6 | 0.1622245 | 0.1590964 | 1.0197 | 0.308 | 0.217413216 | count | 1 |
| ARPC1B | 0.1516312 | 0.0404194 | 3.7514 | 0.00018 | 0.217456811 | count | 1 |
| EIF1 | 0.1509537 | 0.0220282 | 6.8527 | 9.13E-12 | 0.217506514 | count | 2.20E-07 |
| TNS1 | 0.1722143 | 0.2593496 | 0.664 | 0.507 | 0.217546696 | count | 1 |
| PLEKHB1 | 0.5680355 | 0.7279728 | 0.7803 | 0.435 | 0.217612532 | count | 1 |
| RGS16 | 0.1916324 | 0.3318179 | 0.5775 | 0.564 | 0.217677096 | count | 1 |
| GIT2 | 0.1683817 | 0.1639306 | 1.0272 | 0.304 | 0.217692541 | count | 1 |
| LEPROTL1 | 0.1566212 | 0.0971149 | 1.6127 | 0.107 | 0.217764248 | count | 1 |
| PAXBP1 | 0.162032 | 0.174742 | 0.9273 | 0.354 | 0.217874183 | count | 1 |
| CCNT2 | 0.1909523 | 0.2812535 | 0.6789 | 0.497 | 0.217880295 | count | 1 |
| MTA2 | 0.2003646 | 0.291131 | 0.6882 | 0.491 | 0.217994413 | count | 1 |
| PEX16 | 0.1692966 | 0.1929977 | 0.8772 | 0.38 | 0.218011365 | count | 1 |
| RELA | 0.1712255 | 0.1862847 | 0.9192 | 0.358 | 0.218020456 | count | 1 |
| SMIM10 | 0.2392557 | 0.4578316 | 0.5226 | 0.601 | 0.218100669 | count | 1 |
| NFATC3 | 0.1897446 | 0.2286244 | 0.8299 | 0.407 | 0.218348583 | count | 1 |
| U2AF1L4 | 0.1972023 | 0.2797921 | 0.7048 | 0.481 | 0.218432507 | count | 1 |
| TEDC1 | 0.2159809 | 0.3242899 | 0.666 | 0.505 | 0.218653098 | count | 1 |
| KIAA1324 | 0.5706602 | 1.123 | 0.5082 | 0.611 | 0.218734815 | count | 1 |
| CCL28 | 0.5706602 | 0.9891124 | 0.5769 | 0.564 | 0.218734815 | count | 1 |
| LINC00265 | 0.5706602 | 0.8566439 | 0.6662 | 0.505 | 0.218734815 | count | 1 |
| LINC00539 | 0.5706602 | 0.7825141 | 0.7293 | 0.466 | 0.218734815 | count | 1 |
| FUT8-AS1 | 0.5706602 | 0.9748212 | 0.5854 | 0.558 | 0.218734815 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| LINC01679 | 0.5706602 | 0.7825141 | 0.7293 | 0.466 | 0.218734815 | count | 1 |
| MYL12A | 0.1522359 | 0.0356025 | 4.276 | 1.98E-05 | 0.218777151 | count | 0.46827 |
| DDX6 | 0.1577864 | 0.1148964 | 1.3733 | 0.17 | 0.218828016 | count | 1 |
| NDUFS4 | 0.1585271 | 0.1056365 | 1.5007 | 0.134 | 0.219245109 | count | 1 |
| ZFAND5 | 0.1540267 | 0.057404 | 2.6832 | 0.00734 | 0.219273704 | count | 1 |
| DCUN1D1 | 0.178531 | 0.1758231 | 1.0154 | 0.31 | 0.219525267 | count | 1 |
| SF3A1 | 0.177089 | 0.1865344 | 0.9494 | 0.343 | 0.219846314 | count | 1 |
| DLD | 0.1692915 | 0.1781218 | 0.9504 | 0.342 | 0.219885277 | count | 1 |
| OAF | 0.1997264 | 0.3356636 | 0.595 | 0.552 | 0.219992725 | count | 1 |
| ZHX1 | 0.1797857 | 0.192296 | 0.9349 | 0.35 | 0.220152418 | count | 1 |
| TMSB4Y | 0.2937652 | 0.5896471 | 0.4982 | 0.618 | 0.220155505 | count | 1 |
| UBTD1 | 0.1843197 | 0.2734243 | 0.6741 | 0.5 | 0.2202111 | count | 1 |
| RPL11 | 0.1527697 | 0.0220046 | 6.9426 | 4.91E-12 | 0.220261093 | count | 1.18E-07 |
| STXBP1 | 0.4060442 | 0.6180302 | 0.657 | 0.511 | 0.220303139 | count | 1 |
| AC137932.3 | 0.4060442 | 0.6671781 | 0.6086 | 0.543 | 0.220303139 | count | 1 |
| RAB11FIP3 | 0.2842982 | 1.1374054 | 0.25 | 0.803 | 0.220328794 | count | 1 |
| PGM1 | 0.1785652 | 0.2503596 | 0.7132 | 0.476 | 0.220447325 | count | 1 |
| AARS | 0.2117476 | 0.2969757 | 0.713 | 0.476 | 0.220449613 | count | 1 |
| RPS4X | 0.1530021 | 0.0258758 | 5.9129 | 3.83E-09 | 0.220467602 | count | 9.20E-05 |
| CALD1 | 0.2845038 | 0.4459284 | 0.638 | 0.524 | 0.220494493 | count | 1 |
| SLC29A1 | 0.1793519 | 0.2680643 | 0.6691 | 0.504 | 0.220542959 | count | 1 |
| ZNF121 | 0.2101972 | 0.3110312 | 0.6758 | 0.499 | 0.220667091 | count | 1 |
| SLC9A3 | 0.696956 | 0.7815038 | 0.8918 | 0.373 | 0.220721179 | count | 1 |
| SPG21 | 0.1584652 | 0.1217787 | 1.3013 | 0.193 | 0.220805996 | count | 1 |
| AP3M2 | 0.228275 | 0.3716361 | 0.6142 | 0.539 | 0.220857288 | count | 1 |
| SNAPIN | 0.1602952 | 0.1261912 | 1.2703 | 0.204 | 0.220948402 | count | 1 |
| WDR12 | 0.187792 | 0.2725412 | 0.689 | 0.491 | 0.2209531 | count | 1 |
| DOLK | 0.3350269 | 0.5153323 | 0.6501 | 0.516 | 0.22099275 | count | 1 |
| TRAPPC11 | 0.1984822 | 0.2566667 | 0.7733 | 0.439 | 0.221091812 | count | 1 |
| FDX1 | 0.1571898 | 0.1034349 | 1.5197 | 0.129 | 0.221107884 | count | 1 |
| ADIPOR1 | 0.1583584 | 0.0977986 | 1.6192 | 0.106 | 0.221154017 | count | 1 |
| SURF1 | 0.1594257 | 0.1000376 | 1.5937 | 0.111 | 0.221240843 | count | 1 |
| AL391121.1 | 0.2144277 | 0.406834 | 0.5271 | 0.598 | 0.221306618 | count | 1 |
| RNF214 | 0.1746478 | 0.1804667 | 0.9678 | 0.333 | 0.221549234 | count | 1 |
| RPL24 | 0.1539291 | 0.0269663 | 5.7082 | 1.28E-08 | 0.221616058 | count | 0.000306995 |
| SPRY2 | 0.1969924 | 0.2510094 | 0.7848 | 0.433 | 0.221705443 | count | 1 |
| KDM5D | 0.2391689 | 0.3914074 | 0.611 | 0.541 | 0.221725777 | count | 1 |
| ODF2 | 0.2214223 | 0.2770656 | 0.7992 | 0.424 | 0.221914492 | count | 1 |
| KIAA1586 | 0.1764876 | 0.2239011 | 0.7882 | 0.431 | 0.222008383 | count | 1 |
| PIGH | 0.1829979 | 0.2547226 | 0.7184 | 0.473 | 0.222086631 | count | 1 |
| INTS4 | 0.2360888 | 0.370747 | 0.6368 | 0.524 | 0.222248642 | count | 1 |
| HNRNPD | 0.1566668 | 0.0612131 | 2.5594 | 0.0105 | 0.222561264 | count | 1 |
| TMEM255B | 0.1838436 | 0.261731 | 0.7024 | 0.482 | 0.222578822 | count | 1 |
| TCEA2 | 0.1686267 | 0.1792973 | 0.9405 | 0.347 | 0.222773558 | count | 1 |
| TTC17 | 0.1791588 | 0.2197921 | 0.8151 | 0.415 | 0.222833953 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|----------|
| CCDC18 | 0.1856143 | 0.3051478 | 0.6083 | 0.543 | 0.223008654 | count | 1 |
| C12orf76 | 0.1796841 | 0.1930056 | 0.931 | 0.352 | 0.223093036 | count | 1 |
| ARHGEF9 | 0.1954647 | 0.3291327 | 0.5939 | 0.553 | 0.223094111 | count | 1 |
| MTHFSD | 0.3380969 | 0.4833838 | 0.6994 | 0.484 | 0.223128678 | count | 1 |
| NAP1L4 | 0.1628789 | 0.1511607 | 1.0775 | 0.281 | 0.223222832 | count | 1 |
| EEF1A1 | 0.1551317 | 0.0229441 | 6.7613 | 1.70E-11 | 0.223707354 | count | 4.10E-07 |
| OTULINL | 0.1629864 | 0.1033279 | 1.5774 | 0.115 | 0.223734668 | count | 1 |
| SAFB | 0.1671389 | 0.1406069 | 1.1887 | 0.235 | 0.223827812 | count | 1 |
| PCBP2 | 0.1575637 | 0.0629998 | 2.501 | 0.0124 | 0.223832114 | count | 1 |
| GIT1 | 0.1998832 | 0.2823878 | 0.7078 | 0.479 | 0.223859702 | count | 1 |
| CCDC137 | 0.1821579 | 0.2200001 | 0.828 | 0.408 | 0.224022166 | count | 1 |
| GORASP2 | 0.1711134 | 0.1967864 | 0.8696 | 0.385 | 0.224273273 | count | 1 |
| LENG1 | 0.1756882 | 0.1913139 | 0.9183 | 0.359 | 0.224287028 | count | 1 |
| PIGC | 0.1713304 | 0.181992 | 0.9414 | 0.347 | 0.224364828 | count | 1 |
| RNF11 | 0.1692278 | 0.1699059 | 0.996 | 0.319 | 0.224497054 | count | 1 |
| RGL4 | 1.537195 | 1.010429 | 1.5213 | 0.128 | 0.22457772 | count | 1 |
| JPX | 0.1734644 | 0.2089056 | 0.8303 | 0.406 | 0.224724173 | count | 1 |
| MAT2A | 0.1608762 | 0.0989477 | 1.6259 | 0.104 | 0.224842143 | count | 1 |
| P2RY2 | 0.3602039 | 0.5645064 | 0.6381 | 0.523 | 0.225073623 | count | 1 |
| LSM14B | 0.1889095 | 0.2888316 | 0.654 | 0.513 | 0.225095027 | count | 1 |
| IGHG1 | 0.2020689 | 0.4447401 | 0.4544 | 0.65 | 0.225143841 | count | 1 |
| CIAO1 | 0.1713521 | 0.1445951 | 1.185 | 0.236 | 0.225205125 | count | 1 |
| PMAIP1 | 0.1633862 | 0.1263713 | 1.2929 | 0.196 | 0.225255792 | count | 1 |
| KLF5 | 0.5080484 | 0.4766417 | 1.0659 | 0.287 | 0.22534461 | count | 1 |
| SRSF11 | 0.158871 | 0.0661452 | 2.4019 | 0.0164 | 0.225383082 | count | 1 |
| MT-CO3 | 0.1565056 | 0.0261869 | 5.9765 | 2.61E-09 | 0.225631618 | count | 6.27E-05 |
| OTUD1 | 0.1584904 | 0.0841708 | 1.883 | 0.0598 | 0.225712841 | count | 1 |
| LINC00685 | 0.2364245 | 0.383426 | 0.6166 | 0.538 | 0.225838869 | count | 1 |
| PEX6 | 0.2519403 | 0.3337226 | 0.7549 | 0.45 | 0.225849069 | count | 1 |
| ZBTB7A | 0.1621548 | 0.1101635 | 1.4719 | 0.141 | 0.225934178 | count | 1 |
| KRTCAP2 | 0.1608435 | 0.0897368 | 1.7924 | 0.0732 | 0.225950394 | count | 1 |
| CMTR2 | 0.2209534 | 0.3524457 | 0.6269 | 0.531 | 0.226032176 | count | 1 |
| RBMS1 | 0.161357 | 0.0886515 | 1.8201 | 0.0689 | 0.226082945 | count | 1 |
| RHCE | 1.5464032 | 1.281003 | 1.2072 | 0.227 | 0.226178966 | count | 1 |
| AC007383.2 | 1.5464032 | 1.281003 | 1.2072 | 0.227 | 0.226178966 | count | 1 |
| AC097634.3 | 1.5464032 | 1.281003 | 1.2072 | 0.227 | 0.226178966 | count | 1 |
| PHLDB2 | 1.5464032 | 1.508711 | 1.025 | 0.305 | 0.226178966 | count | 1 |
| STARD4-AS1 | 1.5464032 | 1.361144 | 1.1361 | 0.256 | 0.226178966 | count | 1 |
| PRR7-AS1 | 1.5464032 | 1.281003 | 1.2072 | 0.227 | 0.226178966 | count | 1 |
| AL353803.4 | 1.5464032 | 1.361144 | 1.1361 | 0.256 | 0.226178966 | count | 1 |
| C11orf65 | 1.5464032 | 1.095628 | 1.4114 | 0.158 | 0.226178966 | count | 1 |
| AC022021.1 | 1.5464032 | 1.281003 | 1.2072 | 0.227 | 0.226178966 | count | 1 |
| AL121928.1 | 1.5464032 | 1.361144 | 1.1361 | 0.256 | 0.226178966 | count | 1 |
| HOXC4 | 1.5464032 | 1.508711 | 1.025 | 0.305 | 0.226178966 | count | 1 |
| AL589745.1 | 1.5464032 | 1.361144 | 1.1361 | 0.256 | 0.226178966 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-----------|
| LOXL1-AS1 | 1.5464032 | 1.281003 | 1.2072 | 0.227 | 0.226178966 | count | 1 |
| AC027020.2 | 1.5464032 | 1.361144 | 1.1361 | 0.256 | 0.226178966 | count | 1 |
| CASKIN2 | 1.5464032 | 0.9943113 | 1.5553 | 0.12 | 0.226178966 | count | 1 |
| SLC35E3 | 0.1763062 | 0.2111313 | 0.8351 | 0.404 | 0.226370428 | count | 1 |
| TMEM60 | 0.172277 | 0.1803748 | 0.9551 | 0.34 | 0.226582755 | count | 1 |
| MBTPS1 | 0.1741289 | 0.1820584 | 0.9564 | 0.339 | 0.226594501 | count | 1 |
| SASH3 | 0.1775546 | 0.192061 | 0.9245 | 0.355 | 0.226684803 | count | 1 |
| GPR171 | 0.3627118 | 0.6782736 | 0.5348 | 0.593 | 0.226736003 | count | 1 |
| LYRM7 | 0.2177781 | 0.3013639 | 0.7226 | 0.47 | 0.226844931 | count | 1 |
| CCNK | 0.169788 | 0.1494871 | 1.1358 | 0.256 | 0.226870855 | count | 1 |
| ME1 | 0.190511 | 0.2004279 | 0.9505 | 0.342 | 0.227022845 | count | 1 |
| SPATA24 | 0.4175912 | 0.5771797 | 0.7235 | 0.469 | 0.227044391 | count | 1 |
| CES4A | 0.4175912 | 0.6018047 | 0.6939 | 0.488 | 0.227044391 | count | 1 |
| AMZ2 | 0.1730489 | 0.1766033 | 0.9799 | 0.327 | 0.22712518 | count | 1 |
| HDAC1 | 0.170787 | 0.159968 | 1.0676 | 0.286 | 0.227191586 | count | 1 |
| LNX2 | 0.3875344 | 0.4985329 | 0.7773 | 0.437 | 0.227257962 | count | 1 |
| EVI5L | 0.3875344 | 0.5396602 | 0.7181 | 0.473 | 0.227257962 | count | 1 |
| TOX2 | 0.9451946 | 0.844897 | 1.1187 | 0.263 | 0.227304263 | count | 1 |
| GTF2E1 | 0.2768811 | 0.3919949 | 0.7063 | 0.48 | 0.227515901 | count | 1 |
| NCBP1 | 0.2103683 | 0.4615476 | 0.4558 | 0.649 | 0.227544212 | count | 1 |
| HIP1 | 0.1829872 | 0.2224187 | 0.8227 | 0.411 | 0.227632822 | count | 1 |
| TAOK3 | 0.1614417 | 0.0851573 | 1.8958 | 0.0581 | 0.227669833 | count | 1 |
| RFXANK | 0.1685521 | 0.1627172 | 1.0359 | 0.3 | 0.227758174 | count | 1 |
| DNAJC13 | 0.1807894 | 0.1858329 | 0.9729 | 0.331 | 0.227797279 | count | 1 |
| MOSPD3 | 0.1767298 | 0.2329955 | 0.7585 | 0.448 | 0.22787236 | count | 1 |
| AP001160.3 | 0.4590482 | 0.5757712 | 0.7973 | 0.425 | 0.227973318 | count | 1 |
| CACNB3 | 0.3455088 | 0.6565223 | 0.5263 | 0.599 | 0.228293005 | count | 1 |
| MLXIP | 0.1763932 | 0.1683626 | 1.0477 | 0.295 | 0.228326116 | count | 1 |
| INTS10 | 0.1765695 | 0.142282 | 1.241 | 0.215 | 0.228338367 | count | 1 |
| CRYBG3 | 0.1775222 | 0.204521 | 0.868 | 0.385 | 0.228428902 | count | 1 |
| IFITM1 | 0.254892 | 0.4132924 | 0.6167 | 0.537 | 0.228572779 | count | 1 |
| RPS23 | 0.1586152 | 0.024344 | 6.5156 | 8.76E-11 | 0.228635411 | count | 2.11E-06 |
| VPS50 | 0.2160009 | 0.2736736 | 0.7893 | 0.43 | 0.2286981 | count | 1 |
| AL137802.2 | 0.9503231 | 1.0349031 | 0.9183 | 0.359 | 0.228762142 | count | 1 |
| AZIN2 | 0.9503231 | 1.1525823 | 0.8245 | 0.41 | 0.228762142 | count | 1 |
| LINC00607 | 0.9503231 | 1.07092 | 0.8874 | 0.375 | 0.228762142 | count | 1 |
| NRG2 | 0.9503231 | 1.0349031 | 0.9183 | 0.359 | 0.228762142 | count | 1 |
| HLA-G | 0.9503231 | 1.0349031 | 0.9183 | 0.359 | 0.228762142 | count | 1 |
| AC114271.1 | 0.9503231 | 1.07092 | 0.8874 | 0.375 | 0.228762142 | count | 1 |
| FAM227A | 0.9503231 | 1.388264 | 0.6845 | 0.494 | 0.228762142 | count | 1 |
| AC097376.2 | 0.2196678 | 0.3256346 | 0.6746 | 0.5 | 0.228850175 | count | 1 |
| PTPRC | 0.1594003 | 0.0365096 | 4.366 | 1.32E-05 | 0.228878359 | count | 0.3125628 |
| ITPR2 | 0.1665952 | 0.1024221 | 1.6266 | 0.104 | 0.22887838 | count | 1 |
| TRIM22 | 0.1683332 | 0.1220007 | 1.3798 | 0.168 | 0.228940417 | count | 1 |
| ANKRD17 | 0.1791928 | 0.1777859 | 1.0079 | 0.314 | 0.229061151 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| GLI4 | 0.1998543 | 0.2931074 | 0.6818 | 0.495 | 0.229164297 | count | 1 |
| DLEU7 | 0.2337706 | 0.4989148 | 0.4686 | 0.639 | 0.22919712 | count | 1 |
| C11orf24 | 0.1942599 | 0.2919045 | 0.6655 | 0.506 | 0.229401367 | count | 1 |
| RPL5 | 0.1592351 | 0.0273317 | 5.826 | 6.42E-09 | 0.229417353 | count | 0.000154061 |
| AC110079.2 | 0.9527416 | 0.5567392 | 1.7113 | 0.0872 | 0.229450253 | count | 1 |
| TJAP1 | 0.2435706 | 0.4342157 | 0.5609 | 0.575 | 0.229473847 | count | 1 |
| ERCC4 | 0.2109881 | 0.3048302 | 0.6921 | 0.489 | 0.229737247 | count | 1 |
| TIFAB | 0.4223858 | 0.6943607 | 0.6083 | 0.543 | 0.229850494 | count | 1 |
| AL606469.1 | 0.4223858 | 0.7731558 | 0.5463 | 0.585 | 0.229850494 | count | 1 |
| RIOX2 | 0.2206108 | 0.3239784 | 0.6809 | 0.496 | 0.229851048 | count | 1 |
| PAFAH2 | 0.3479099 | 0.4760824 | 0.7308 | 0.465 | 0.229968282 | count | 1 |
| DNAJC3-DT | 0.2962645 | 0.4651436 | 0.6369 | 0.524 | 0.22998618 | count | 1 |
| IFI35 | 0.1656183 | 0.1137358 | 1.4562 | 0.145 | 0.230118943 | count | 1 |
| NGLY1 | 0.1701433 | 0.1730002 | 0.9835 | 0.325 | 0.230224101 | count | 1 |
| DDX28 | 0.2410076 | 0.391039 | 0.6163 | 0.538 | 0.230325574 | count | 1 |
| USP32 | 0.1921876 | 0.2114577 | 0.9089 | 0.364 | 0.230354486 | count | 1 |
| KIN | 0.1701816 | 0.1361271 | 1.2502 | 0.211 | 0.230425885 | count | 1 |
| FBXW9 | 0.3324989 | 0.5704402 | 0.5829 | 0.56 | 0.230592718 | count | 1 |
| TRIR | 0.1617864 | 0.0502969 | 3.2166 | 0.00131 | 0.230626357 | count | 1 |
| LINC00954 | 0.5189151 | 0.7856725 | 0.6605 | 0.509 | 0.230652564 | count | 1 |
| ST6GALNAC6 | 0.5189151 | 0.8072089 | 0.6429 | 0.52 | 0.230652564 | count | 1 |
| ARHGEF17 | 0.5189151 | 0.7856725 | 0.6605 | 0.509 | 0.230652564 | count | 1 |
| SEMA7A | 0.5189151 | 0.9665659 | 0.5369 | 0.591 | 0.230652564 | count | 1 |
| ZNF784 | 0.5189151 | 0.7756938 | 0.669 | 0.504 | 0.230652564 | count | 1 |
| AC005261.3 | 0.7243656 | 0.6669055 | 1.0862 | 0.278 | 0.230682355 | count | 1 |
| ARPIN | 0.1818163 | 0.1828573 | 0.9943 | 0.32 | 0.230704593 | count | 1 |
| ZNF180 | 0.5191432 | 0.4974671 | 1.0436 | 0.297 | 0.230764174 | count | 1 |
| STAT4 | 0.3073413 | 0.52317 | 0.5875 | 0.557 | 0.230781842 | count | 1 |
| AC016065.1 | 0.3073413 | 0.5134464 | 0.5986 | 0.55 | 0.230781842 | count | 1 |
| KLHL23 | 0.4643119 | 1.250548 | 0.3713 | 0.71 | 0.230815422 | count | 1 |
| AC010894.2 | 0.4643119 | 0.8905093 | 0.5214 | 0.602 | 0.230815422 | count | 1 |
| LINC02018 | 0.4643119 | 0.799271 | 0.5809 | 0.561 | 0.230815422 | count | 1 |
| AC019205.1 | 0.4643119 | 1.4766725 | 0.3144 | 0.753 | 0.230815422 | count | 1 |
| C9orf116 | 0.4643119 | 0.9107924 | 0.5098 | 0.61 | 0.230815422 | count | 1 |
| AL022238.2 | 0.4643119 | 0.9918243 | 0.4681 | 0.64 | 0.230815422 | count | 1 |
| MAGT1 | 0.1715651 | 0.1386725 | 1.2372 | 0.216 | 0.230829553 | count | 1 |
| RFX7 | 0.2739359 | 0.352645 | 0.7768 | 0.437 | 0.230848751 | count | 1 |
| GALNT2 | 0.1813136 | 0.2091107 | 0.8671 | 0.386 | 0.230950267 | count | 1 |
| THOC5 | 0.2327913 | 0.2619768 | 0.8886 | 0.374 | 0.230953794 | count | 1 |
| TXNDC9 | 0.1720294 | 0.1582577 | 1.087 | 0.277 | 0.230993144 | count | 1 |
| STAC3 | 0.1751688 | 0.179764 | 0.9744 | 0.33 | 0.231017616 | count | 1 |
| OXNAD1 | 0.3494658 | 0.5511984 | 0.634 | 0.526 | 0.23105444 | count | 1 |
| SF3A3 | 0.1723891 | 0.1391752 | 1.2386 | 0.216 | 0.231087574 | count | 1 |
| ISG20 | 0.1752553 | 0.1869856 | 0.9373 | 0.349 | 0.231132225 | count | 1 |
| AC060780.1 | 0.2577147 | 0.4526883 | 0.5693 | 0.569 | 0.231179001 | count | 1 |

| | | | | | | | |
|--------------|-----------|-----------|--------|---------|-------------|-------|---|
| VPS52 | 0.4650529 | 0.4340468 | 1.0714 | 0.284 | 0.231215883 | count | 1 |
| TRIM11 | 0.1978761 | 0.2296307 | 0.8617 | 0.389 | 0.231346031 | count | 1 |
| TMEM120B | 0.242283 | 0.3486206 | 0.695 | 0.487 | 0.23157482 | count | 1 |
| NOC3L | 0.1876805 | 0.2183136 | 0.8597 | 0.39 | 0.231794789 | count | 1 |
| TFAM | 0.1672685 | 0.1371428 | 1.2197 | 0.223 | 0.231888604 | count | 1 |
| DCLRE1C | 0.2005762 | 0.3320344 | 0.6041 | 0.546 | 0.231904669 | count | 1 |
| RARRES2 | 0.4260902 | 0.8077924 | 0.5275 | 0.598 | 0.232021339 | count | 1 |
| SIRT5 | 0.2692388 | 0.3516913 | 0.7656 | 0.444 | 0.232115998 | count | 1 |
| SLC37A4 | 0.2313978 | 0.3829052 | 0.6043 | 0.546 | 0.23212837 | count | 1 |
| ATP11C | 0.2247244 | 0.2651079 | 0.8477 | 0.397 | 0.232142039 | count | 1 |
| CCDC102B | 0.3208809 | 0.5815569 | 0.5518 | 0.581 | 0.232178035 | count | 1 |
| SAMD8 | 0.1854883 | 0.2091189 | 0.887 | 0.375 | 0.232328141 | count | 1 |
| ZADH2 | 0.1901032 | 0.2086051 | 0.9113 | 0.362 | 0.232390926 | count | 1 |
| PCDHGB6 | 1.5831444 | 0.9436053 | 1.6778 | 0.0935 | 0.232567419 | count | 1 |
| AC025171.2 | 0.2995914 | 0.5390664 | 0.5558 | 0.578 | 0.232676158 | count | 1 |
| COQ3 | 0.2995914 | 0.6202061 | 0.4831 | 0.629 | 0.232676158 | count | 1 |
| AP002807.1 | 0.3961879 | 0.4904996 | 0.8077 | 0.419 | 0.232681939 | count | 1 |
| PTGER3 | 0.5233191 | 0.705991 | 0.7413 | 0.459 | 0.232808864 | count | 1 |
| AC080013.1 | 0.6034584 | 0.8468988 | 0.7126 | 0.476 | 0.232837609 | count | 1 |
| STAP1 | 0.6034584 | 0.8468988 | 0.7126 | 0.476 | 0.232837609 | count | 1 |
| HHIP | 0.6034584 | 1.3907564 | 0.4339 | 0.664 | 0.232837609 | count | 1 |
| Z84485.1 | 0.6034584 | 0.8468988 | 0.7126 | 0.476 | 0.232837609 | count | 1 |
| AC093799.1 | 0.6034584 | 1.0596664 | 0.5695 | 0.569 | 0.232837609 | count | 1 |
| UXT-AS1 | 0.6034584 | 1.3907564 | 0.4339 | 0.664 | 0.232837609 | count | 1 |
| PEBP4 | 0.6034584 | 0.8468988 | 0.7126 | 0.476 | 0.232837609 | count | 1 |
| CSNK2A3 | 0.6034584 | 0.8468988 | 0.7126 | 0.476 | 0.232837609 | count | 1 |
| RTKN2 | 0.6034584 | 0.8468988 | 0.7126 | 0.476 | 0.232837609 | count | 1 |
| SLC25A15 | 0.6034584 | 0.8468988 | 0.7126 | 0.476 | 0.232837609 | count | 1 |
| COG8 | 0.6034584 | 0.8468988 | 0.7126 | 0.476 | 0.232837609 | count | 1 |
| DYNLRB2 | 0.6034584 | 0.8468988 | 0.7126 | 0.476 | 0.232837609 | count | 1 |
| CDC6 | 0.6034584 | 1.0596664 | 0.5695 | 0.569 | 0.232837609 | count | 1 |
| AC007993.3 | 0.6034584 | 1.3907564 | 0.4339 | 0.664 | 0.232837609 | count | 1 |
| AC132872.2 | 0.6034584 | 0.8468988 | 0.7126 | 0.476 | 0.232837609 | count | 1 |
| C21orf62-AS1 | 0.6034584 | 0.8468988 | 0.7126 | 0.476 | 0.232837609 | count | 1 |
| IRF1 | 0.1635139 | 0.0805634 | 2.0296 | 0.0425 | 0.232880963 | count | 1 |
| FAM213A | 0.1880349 | 0.1936859 | 0.9708 | 0.332 | 0.23311871 | count | 1 |
| EIF3F | 0.1634123 | 0.05034 | 3.2462 | 0.00119 | 0.233184702 | count | 1 |
| ZFAND4 | 0.5242059 | 0.5314823 | 0.9863 | 0.324 | 0.233243439 | count | 1 |
| TSPAN15 | 0.217032 | 0.2423076 | 0.8957 | 0.371 | 0.233254192 | count | 1 |
| AGGF1 | 0.226099 | 0.3239924 | 0.6979 | 0.485 | 0.233589877 | count | 1 |
| KBTBD2 | 0.180996 | 0.1887306 | 0.959 | 0.338 | 0.233639715 | count | 1 |
| LENG8-AS1 | 0.277188 | 0.6650063 | 0.4168 | 0.677 | 0.233684745 | count | 1 |
| RNMT | 0.166038 | 0.0980442 | 1.6935 | 0.0905 | 0.23378762 | count | 1 |
| PRR13 | 0.1637304 | 0.0516753 | 3.1684 | 0.0016 | 0.233831382 | count | 1 |
| CCL3 | 0.1622584 | 0.0781855 | 2.0753 | 0.0381 | 0.233860007 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|----------|
| ITGB7 | 0.2007764 | 0.2951073 | 0.6804 | 0.496 | 0.233924684 | count | 1 |
| SLC22A5 | 0.5257136 | 0.5916099 | 0.8886 | 0.374 | 0.233982524 | count | 1 |
| ABCC10 | 0.3233354 | 0.4154428 | 0.7783 | 0.436 | 0.234039395 | count | 1 |
| ASTE1 | 0.2924587 | 0.4146862 | 0.7053 | 0.481 | 0.234113226 | count | 1 |
| PRKAR1A | 0.1667129 | 0.0856763 | 1.9458 | 0.0518 | 0.234126556 | count | 1 |
| METTL2B | 0.1948585 | 0.2427313 | 0.8028 | 0.422 | 0.234226804 | count | 1 |
| RPS7 | 0.1626091 | 0.0242958 | 6.6929 | 2.70E-11 | 0.234355268 | count | 6.51E-07 |
| NUSAP1 | 0.2524839 | 0.5018447 | 0.5031 | 0.615 | 0.234408947 | count | 1 |
| TAF13 | 0.1826719 | 0.1959457 | 0.9323 | 0.351 | 0.234594492 | count | 1 |
| PPP3R1 | 0.1795198 | 0.1567735 | 1.1451 | 0.252 | 0.234604218 | count | 1 |
| GON7 | 0.1816801 | 0.2021819 | 0.8986 | 0.369 | 0.234758809 | count | 1 |
| AP1AR | 0.1900957 | 0.2269372 | 0.8377 | 0.402 | 0.234802832 | count | 1 |
| MEMO1 | 0.2530199 | 0.3182814 | 0.795 | 0.427 | 0.234920196 | count | 1 |
| SLCO2B1 | 0.1722281 | 0.1163416 | 1.4804 | 0.139 | 0.234993961 | count | 1 |
| EMD | 0.168797 | 0.1112449 | 1.5173 | 0.129 | 0.235019903 | count | 1 |
| AC002456.1 | 0.9725464 | 0.8259221 | 1.1775 | 0.239 | 0.235099361 | count | 1 |
| LRRRC24 | 0.9725464 | 0.9118858 | 1.0665 | 0.286 | 0.235099361 | count | 1 |
| TET2 | 0.1701366 | 0.1239096 | 1.3731 | 0.17 | 0.235132186 | count | 1 |
| AP002884.1 | 0.4001732 | 0.7146593 | 0.5599 | 0.576 | 0.23518453 | count | 1 |
| MAGEF1 | 0.2060153 | 0.2800763 | 0.7356 | 0.462 | 0.235295439 | count | 1 |
| SDF4 | 0.1688701 | 0.1012428 | 1.668 | 0.0954 | 0.235485238 | count | 1 |
| BIRC3 | 0.1697275 | 0.1101437 | 1.541 | 0.123 | 0.235508893 | count | 1 |
| PRNP | 0.1693996 | 0.0925733 | 1.8299 | 0.0674 | 0.235539481 | count | 1 |
| WASHC5 | 0.2081206 | 0.2686541 | 0.7747 | 0.439 | 0.235553265 | count | 1 |
| RAB5IF | 0.1680418 | 0.0833534 | 2.016 | 0.0439 | 0.235573544 | count | 1 |
| SLC40A1 | 0.167858 | 0.1501601 | 1.1179 | 0.264 | 0.235667998 | count | 1 |
| FMO4 | 0.4323875 | 0.5503523 | 0.7857 | 0.432 | 0.235717196 | count | 1 |
| FMC1 | 0.1916483 | 0.2657969 | 0.721 | 0.471 | 0.23579548 | count | 1 |
| EIF3G | 0.1658801 | 0.0578089 | 2.8695 | 0.00415 | 0.235821756 | count | 1 |
| CDK5RAP3 | 0.1756098 | 0.1591205 | 1.1036 | 0.27 | 0.236010934 | count | 1 |
| TRMT61A | 0.2106984 | 0.4177282 | 0.5044 | 0.614 | 0.236147584 | count | 1 |
| VPS8 | 0.1945015 | 0.2242272 | 0.8674 | 0.386 | 0.236180368 | count | 1 |
| UPF3A | 0.17059 | 0.1843733 | 0.9252 | 0.355 | 0.236225257 | count | 1 |
| HNRNPH3 | 0.1713701 | 0.0964478 | 1.7768 | 0.0757 | 0.236288879 | count | 1 |
| TMCO4 | 0.219874 | 0.2895299 | 0.7594 | 0.448 | 0.236361012 | count | 1 |
| NUDT17 | 0.6116357 | 0.8471102 | 0.722 | 0.47 | 0.23637609 | count | 1 |
| ROM1 | 0.6116357 | 0.7279803 | 0.8402 | 0.401 | 0.23637609 | count | 1 |
| LARP1 | 0.1743836 | 0.1459188 | 1.1951 | 0.232 | 0.236647904 | count | 1 |
| AC116667.1 | 0.3574899 | 0.6437048 | 0.5554 | 0.579 | 0.236663403 | count | 1 |
| PMF1 | 0.1739287 | 0.1384384 | 1.2564 | 0.209 | 0.23670415 | count | 1 |
| TDRD7 | 0.2549678 | 0.4186411 | 0.609 | 0.543 | 0.236778591 | count | 1 |
| COG4 | 0.2174292 | 0.2613642 | 0.8319 | 0.406 | 0.236865274 | count | 1 |
| LATS2 | 0.2056707 | 0.2346888 | 0.8764 | 0.381 | 0.236910316 | count | 1 |
| TGFBRAP1 | 0.2219565 | 0.3515208 | 0.6314 | 0.528 | 0.23691527 | count | 1 |
| NMI | 0.1734637 | 0.1167669 | 1.4856 | 0.138 | 0.236916208 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|----------|
| LIG1 | 0.2880472 | 0.3964547 | 0.7266 | 0.468 | 0.237034093 | count | 1 |
| CSRNP2 | 0.435189 | 0.4560269 | 0.9543 | 0.34 | 0.237363615 | count | 1 |
| ZDHHC5 | 0.1837456 | 0.2010286 | 0.914 | 0.361 | 0.23744353 | count | 1 |
| MLH1 | 0.2088917 | 0.293237 | 0.7124 | 0.476 | 0.237549977 | count | 1 |
| FAM219B | 0.2108764 | 0.262859 | 0.8022 | 0.422 | 0.237553822 | count | 1 |
| DUSP18 | 0.2054142 | 0.3022912 | 0.6795 | 0.497 | 0.237568361 | count | 1 |
| TMEM161B | 0.2421884 | 0.3348941 | 0.7232 | 0.47 | 0.237645299 | count | 1 |
| SHARPIN | 0.1722196 | 0.1219424 | 1.4123 | 0.158 | 0.237654185 | count | 1 |
| UTY | 0.1977765 | 0.2770564 | 0.7138 | 0.475 | 0.237769905 | count | 1 |
| CENPC | 0.1796279 | 0.1467232 | 1.2243 | 0.221 | 0.23780645 | count | 1 |
| ZNF770 | 0.1973073 | 0.2562462 | 0.77 | 0.441 | 0.23782918 | count | 1 |
| ZNF669 | 0.2488481 | 0.3265865 | 0.762 | 0.446 | 0.238009917 | count | 1 |
| LINC00115 | 0.2347794 | 0.4620888 | 0.5081 | 0.611 | 0.238091792 | count | 1 |
| RSL1D1 | 0.1674565 | 0.0594477 | 2.8169 | 0.00489 | 0.238183508 | count | 1 |
| ARMC7 | 0.2268198 | 0.3947478 | 0.5746 | 0.566 | 0.23844772 | count | 1 |
| C1orf50 | 0.2826926 | 0.6946511 | 0.407 | 0.684 | 0.238489666 | count | 1 |
| C17orf67 | 0.1913261 | 0.29032 | 0.659 | 0.51 | 0.238505256 | count | 1 |
| TCTEX1D4 | 0.4786786 | 0.9655368 | 0.4958 | 0.62 | 0.238596017 | count | 1 |
| RPS28 | 0.1656523 | 0.024768 | 6.6882 | 2.79E-11 | 0.238660646 | count | 6.72E-07 |
| SERP1 | 0.1662899 | 0.03945 | 4.2152 | 2.59E-05 | 0.23869782 | count | 0.611758 |
| GNB5 | 0.3070738 | 0.4370864 | 0.7025 | 0.482 | 0.238734005 | count | 1 |
| ATP6V1E1 | 0.1710262 | 0.0969699 | 1.7637 | 0.0779 | 0.238954415 | count | 1 |
| ASCC2 | 0.1837981 | 0.2315843 | 0.7937 | 0.427 | 0.239042097 | count | 1 |
| SMIM8 | 0.1891244 | 0.2867254 | 0.6596 | 0.51 | 0.239063236 | count | 1 |
| MTRNR2L12 | 0.1679134 | 0.0667619 | 2.5151 | 0.012 | 0.23921298 | count | 1 |
| RETREG3 | 0.2169433 | 0.3104714 | 0.6988 | 0.485 | 0.239255214 | count | 1 |
| NORAD | 0.1713214 | 0.1040398 | 1.6467 | 0.0997 | 0.239483768 | count | 1 |
| ERI2 | 0.361628 | 0.5302331 | 0.682 | 0.495 | 0.239560803 | count | 1 |
| DRG2 | 0.1883688 | 0.2067023 | 0.9113 | 0.362 | 0.239696829 | count | 1 |
| ERI1 | 0.2073269 | 0.2400288 | 0.8638 | 0.388 | 0.239808332 | count | 1 |
| SF3B1 | 0.1696526 | 0.0641107 | 2.6462 | 0.00819 | 0.239937064 | count | 1 |
| ACACA | 0.2781611 | 0.4419509 | 0.6294 | 0.529 | 0.240067817 | count | 1 |
| LINC01010 | 0.3627219 | 0.5625876 | 0.6447 | 0.519 | 0.240327273 | count | 1 |
| PCGF6 | 0.242033 | 0.4119078 | 0.5876 | 0.557 | 0.240333482 | count | 1 |
| TICAM1 | 0.1945384 | 0.2337251 | 0.8323 | 0.405 | 0.24033757 | count | 1 |
| ENDOG | 0.1899615 | 0.2451178 | 0.775 | 0.438 | 0.240463399 | count | 1 |
| MTSS1 | 0.1720017 | 0.1023235 | 1.681 | 0.0929 | 0.240549532 | count | 1 |
| SENP5 | 0.187322 | 0.1935225 | 0.968 | 0.333 | 0.240604156 | count | 1 |
| TBCE | 0.7521517 | 0.5919597 | 1.2706 | 0.204 | 0.240861371 | count | 1 |
| AL731661.1 | 0.3839777 | 0.6890344 | 0.5573 | 0.577 | 0.240880096 | count | 1 |
| MS4A4E | 0.4829621 | 0.5378116 | 0.898 | 0.369 | 0.240922419 | count | 1 |
| PROSER2 | 0.4093228 | 0.6732547 | 0.608 | 0.543 | 0.240941019 | count | 1 |
| PIK3R4 | 0.4836217 | 0.5573384 | 0.8677 | 0.386 | 0.241280917 | count | 1 |
| KLC1 | 0.193698 | 0.2274907 | 0.8515 | 0.395 | 0.241485951 | count | 1 |
| TRIP6 | 0.1853919 | 0.1976005 | 0.9382 | 0.348 | 0.241536565 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|---|
| SLC25A45 | 0.2065621 | 0.330181 | 0.6256 | 0.532 | 0.241623211 | count | 1 |
| BCAT2 | 0.2320096 | 0.3058515 | 0.7586 | 0.448 | 0.241960796 | count | 1 |
| PAQR4 | 0.2410422 | 0.3112361 | 0.7745 | 0.439 | 0.242019384 | count | 1 |
| GTPBP8 | 0.1962893 | 0.2454025 | 0.7999 | 0.424 | 0.242043438 | count | 1 |
| TOR2A | 0.1791989 | 0.1346733 | 1.3306 | 0.183 | 0.242195219 | count | 1 |
| ZNF766 | 0.2303318 | 0.3059292 | 0.7529 | 0.452 | 0.242210027 | count | 1 |
| INTS8 | 0.2568605 | 0.2902909 | 0.8848 | 0.376 | 0.242333081 | count | 1 |
| IPMK | 0.1811832 | 0.1464351 | 1.2373 | 0.216 | 0.242494431 | count | 1 |
| HEG1 | 0.348907 | 0.419155 | 0.8324 | 0.405 | 0.242582968 | count | 1 |
| SMAP2 | 0.1705945 | 0.0505404 | 3.3754 | 0.000749 | 0.24266958 | count | 1 |
| SPINDOC | 0.3350587 | 0.4047944 | 0.8277 | 0.408 | 0.242945896 | count | 1 |
| CHMP4B | 0.1739885 | 0.1073319 | 1.621 | 0.105 | 0.242978727 | count | 1 |
| FUNDC1 | 0.2085081 | 0.2173056 | 0.9595 | 0.337 | 0.243043595 | count | 1 |
| AREL1 | 0.2757544 | 0.5248469 | 0.5254 | 0.599 | 0.243055759 | count | 1 |
| FARSB | 0.2330924 | 0.3781228 | 0.6164 | 0.538 | 0.243112218 | count | 1 |
| MPRIP | 0.2051184 | 0.3174221 | 0.6462 | 0.518 | 0.243142167 | count | 1 |
| LDHB | 0.1726371 | 0.0807457 | 2.138 | 0.0326 | 0.243147995 | count | 1 |
| ANKRD12 | 0.1711515 | 0.0815554 | 2.0986 | 0.036 | 0.243204744 | count | 1 |
| CPT1A | 0.1880782 | 0.2277823 | 0.8257 | 0.409 | 0.243310658 | count | 1 |
| PRKAB2 | 0.4131182 | 0.4258399 | 0.9701 | 0.332 | 0.24333336 | count | 1 |
| GALNT3 | 0.2579581 | 0.3121129 | 0.8265 | 0.409 | 0.243396541 | count | 1 |
| ZNF765 | 0.2333672 | 0.6277577 | 0.3717 | 0.71 | 0.243404464 | count | 1 |
| ZNF814 | 0.2510103 | 0.3822223 | 0.6567 | 0.511 | 0.243407351 | count | 1 |
| ABR | 0.1956592 | 0.2099148 | 0.9321 | 0.351 | 0.243527194 | count | 1 |
| AL121983.1 | 0.4459096 | 0.5682673 | 0.7847 | 0.433 | 0.24367668 | count | 1 |
| SERPINB1 | 0.1701758 | 0.0526785 | 3.2305 | 0.00125 | 0.243700915 | count | 1 |
| FAP | 0.4882519 | 1.356081 | 0.36 | 0.719 | 0.243799488 | count | 1 |
| AC092171.5 | 0.4882519 | 0.7747852 | 0.6302 | 0.529 | 0.243799488 | count | 1 |
| ADCY4 | 0.4882519 | 0.7090909 | 0.6886 | 0.491 | 0.243799488 | count | 1 |
| AC007114.2 | 0.4882519 | 0.7056005 | 0.692 | 0.489 | 0.243799488 | count | 1 |
| RPS6KC1 | 0.2084403 | 0.2847394 | 0.732 | 0.464 | 0.243846703 | count | 1 |
| PIK3CA | 0.1913776 | 0.2204645 | 0.8681 | 0.385 | 0.243857756 | count | 1 |
| CRABP2 | 0.4462261 | 1.1152982 | 0.4001 | 0.689 | 0.243863354 | count | 1 |
| ADIPOR2 | 0.1864613 | 0.1760465 | 1.0592 | 0.29 | 0.243914084 | count | 1 |
| ALDH3B1 | 0.1855676 | 0.1804054 | 1.0286 | 0.304 | 0.243983427 | count | 1 |
| EPHB3 | 1.649396 | 0.7946876 | 2.0755 | 0.038 | 0.244073228 | count | 1 |
| AC010491.1 | 1.649396 | 1.291076 | 1.2775 | 0.202 | 0.244073228 | count | 1 |
| AC022364.1 | 1.649396 | 0.7946876 | 2.0755 | 0.038 | 0.244073228 | count | 1 |
| PUS3 | 0.2118872 | 0.3697402 | 0.5731 | 0.567 | 0.244164583 | count | 1 |
| SPATA33 | 0.2383807 | 0.4148576 | 0.5746 | 0.566 | 0.244236884 | count | 1 |
| MRFAP1 | 0.1748228 | 0.0772756 | 2.2623 | 0.0238 | 0.244267966 | count | 1 |
| AC093673.1 | 0.1849897 | 0.2079521 | 0.8896 | 0.374 | 0.244342917 | count | 1 |
| LINC02361 | 1.005158 | 0.820863 | 1.2245 | 0.221 | 0.244455086 | count | 1 |
| CXorf21 | 0.1743471 | 0.1310683 | 1.3302 | 0.184 | 0.244598521 | count | 1 |
| PDCD4 | 0.1794328 | 0.114007 | 1.5739 | 0.116 | 0.244792721 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|---|
| RINL | 0.2437592 | 0.3832865 | 0.636 | 0.525 | 0.244808702 | count | 1 |
| C1orf112 | 0.2973093 | 0.4559114 | 0.6521 | 0.514 | 0.244947581 | count | 1 |
| TRMO | 0.2220408 | 0.303085 | 0.7326 | 0.464 | 0.244966639 | count | 1 |
| CTR9 | 0.1861847 | 0.1736545 | 1.0722 | 0.284 | 0.24529671 | count | 1 |
| PDHB | 0.1787357 | 0.1292907 | 1.3824 | 0.167 | 0.245785581 | count | 1 |
| PLAGL1 | 0.1950608 | 0.1915607 | 1.0183 | 0.309 | 0.245915971 | count | 1 |
| ABCF3 | 0.2081365 | 0.2813049 | 0.7399 | 0.459 | 0.2459779 | count | 1 |
| STX5 | 0.1894476 | 0.1576325 | 1.2018 | 0.23 | 0.245999807 | count | 1 |
| HADH | 0.1903914 | 0.2621001 | 0.7264 | 0.468 | 0.246083873 | count | 1 |
| ZNF207 | 0.176784 | 0.1077472 | 1.6407 | 0.101 | 0.246210819 | count | 1 |
| SPG7 | 0.1857917 | 0.1684128 | 1.1032 | 0.27 | 0.246292129 | count | 1 |
| OLA1 | 0.1795415 | 0.1176459 | 1.5261 | 0.127 | 0.246521232 | count | 1 |
| ARL16 | 0.2176947 | 0.2308089 | 0.9432 | 0.346 | 0.246544584 | count | 1 |
| AC087500.1 | 0.4937564 | 0.6357882 | 0.7766 | 0.437 | 0.246798145 | count | 1 |
| SEC24C | 0.2236771 | 0.3161585 | 0.7075 | 0.479 | 0.246800804 | count | 1 |
| INTS12 | 0.2117117 | 0.2760395 | 0.767 | 0.443 | 0.246824167 | count | 1 |
| PANK1 | 0.6362018 | 0.6749432 | 0.9426 | 0.346 | 0.24705879 | count | 1 |
| ZNF470 | 0.6362018 | 0.7966112 | 0.7986 | 0.425 | 0.24705879 | count | 1 |
| ANKS3 | 0.2701007 | 0.4898162 | 0.5514 | 0.581 | 0.247066046 | count | 1 |
| U2AF1 | 1.014261 | 0.4501258 | 2.2533 | 0.0243 | 0.247078026 | count | 1 |
| EFEMP2 | 0.2802742 | 0.5012149 | 0.5592 | 0.576 | 0.247170062 | count | 1 |
| MSL1 | 0.193966 | 0.1810645 | 1.0713 | 0.284 | 0.24717885 | count | 1 |
| ZNRF2 | 0.1857484 | 0.1430703 | 1.2983 | 0.194 | 0.247182887 | count | 1 |
| DENND6B | 0.1934363 | 0.1931167 | 1.0017 | 0.317 | 0.247391874 | count | 1 |
| SYNGR1 | 0.187914 | 0.1650231 | 1.1387 | 0.255 | 0.247421393 | count | 1 |
| GPN3 | 0.1804508 | 0.1270683 | 1.4201 | 0.156 | 0.247525323 | count | 1 |
| CERS6 | 0.2003592 | 0.1685419 | 1.1888 | 0.235 | 0.247592117 | count | 1 |
| PGM2 | 0.1845375 | 0.1775831 | 1.0392 | 0.299 | 0.247648601 | count | 1 |
| ABCB7 | 0.2020435 | 0.2255745 | 0.8957 | 0.371 | 0.247663566 | count | 1 |
| BTD | 0.2116862 | 0.2539986 | 0.8334 | 0.405 | 0.247690364 | count | 1 |
| NOD1 | 0.3413359 | 0.7879504 | 0.4332 | 0.665 | 0.247725758 | count | 1 |
| RBBP6 | 0.1788813 | 0.1149265 | 1.5565 | 0.12 | 0.247830683 | count | 1 |
| ZBED6 | 0.7713801 | 0.836741 | 0.9219 | 0.357 | 0.247951716 | count | 1 |
| SLC23A3 | 0.7713801 | 1.0942259 | 0.705 | 0.481 | 0.247951716 | count | 1 |
| FAM83H | 0.7713801 | 0.836741 | 0.9219 | 0.357 | 0.247951716 | count | 1 |
| KLLN | 0.7713801 | 0.836741 | 0.9219 | 0.357 | 0.247951716 | count | 1 |
| ITPK1-AS1 | 0.7713801 | 1.0540588 | 0.7318 | 0.464 | 0.247951716 | count | 1 |
| OMA1 | 0.2086744 | 0.331712 | 0.6291 | 0.529 | 0.24816737 | count | 1 |
| RANBP3 | 0.2277159 | 0.2456382 | 0.927 | 0.354 | 0.248261829 | count | 1 |
| COMMD6 | 0.1733434 | 0.0482725 | 3.5909 | 0.000336 | 0.2482947 | count | 1 |
| RFC2 | 0.1961276 | 0.1865158 | 1.0515 | 0.293 | 0.248326282 | count | 1 |
| PTCD2 | 0.7724033 | 0.8550775 | 0.9033 | 0.366 | 0.248330045 | count | 1 |
| AP001157.1 | 0.3741418 | 0.6162987 | 0.6071 | 0.544 | 0.248342429 | count | 1 |
| KLK1 | 0.7728975 | 0.6260772 | 1.2345 | 0.217 | 0.248512813 | count | 1 |
| AC093525.6 | 0.6396553 | 0.7389513 | 0.8656 | 0.387 | 0.24856679 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|----------|
| ZNF699 | 0.2878776 | 0.5522446 | 0.5213 | 0.602 | 0.248744626 | count | 1 |
| ALKBH3 | 0.2106261 | 0.3060657 | 0.6882 | 0.491 | 0.248954327 | count | 1 |
| NFYC | 0.1867293 | 0.1835804 | 1.0172 | 0.309 | 0.249002264 | count | 1 |
| NCOA7 | 0.1890359 | 0.1778549 | 1.0629 | 0.288 | 0.249072037 | count | 1 |
| MIOS | 0.1967802 | 0.2275091 | 0.8649 | 0.387 | 0.249158657 | count | 1 |
| TRIM41 | 0.264038 | 0.4242607 | 0.6223 | 0.534 | 0.249291206 | count | 1 |
| RTL8A | 0.1935259 | 0.1975878 | 0.9794 | 0.327 | 0.249412194 | count | 1 |
| CABIN1 | 0.2030956 | 0.276303 | 0.735 | 0.462 | 0.24949319 | count | 1 |
| RRP12 | 0.2149024 | 0.2358957 | 0.911 | 0.362 | 0.24965274 | count | 1 |
| CTBP1 | 0.1922655 | 0.1751485 | 1.0977 | 0.272 | 0.249680421 | count | 1 |
| RPS14 | 0.173221 | 0.0226129 | 7.6603 | 2.65E-14 | 0.249705336 | count | 6.40E-10 |
| THADA | 0.2374508 | 0.3759193 | 0.6317 | 0.528 | 0.249842384 | count | 1 |
| LRRRC8C | 0.2142803 | 0.2322159 | 0.9228 | 0.356 | 0.2498563 | count | 1 |
| PITPNM1 | 0.2323315 | 0.3248707 | 0.7152 | 0.475 | 0.249993848 | count | 1 |
| AC020910.4 | 0.4998558 | 0.5652931 | 0.8842 | 0.377 | 0.25012662 | count | 1 |
| AC024909.2 | 0.5586201 | 0.6012222 | 0.9291 | 0.353 | 0.25019844 | count | 1 |
| PAAF1 | 0.2181687 | 0.3261293 | 0.669 | 0.504 | 0.250451906 | count | 1 |
| ZNF362 | 0.2421872 | 0.2943207 | 0.8229 | 0.411 | 0.250558141 | count | 1 |
| DERA | 0.1835645 | 0.1354136 | 1.3556 | 0.175 | 0.250632259 | count | 1 |
| BACE1 | 0.3040104 | 0.4569405 | 0.6653 | 0.506 | 0.250683213 | count | 1 |
| CARM1 | 0.2175679 | 0.2554588 | 0.8517 | 0.394 | 0.250797967 | count | 1 |
| TBC1D4 | 0.2969838 | 0.3063038 | 0.9696 | 0.332 | 0.250991359 | count | 1 |
| HMOX2 | 0.1906135 | 0.1836109 | 1.0381 | 0.299 | 0.25116119 | count | 1 |
| ZBTB43 | 0.189111 | 0.2067592 | 0.9146 | 0.36 | 0.251274791 | count | 1 |
| RCBTB1 | 0.6458578 | 0.5720957 | 1.1289 | 0.259 | 0.25127897 | count | 1 |
| RBM18 | 0.1896184 | 0.2267657 | 0.8362 | 0.403 | 0.251388854 | count | 1 |
| CSK | 0.180746 | 0.0971257 | 1.861 | 0.0629 | 0.251401878 | count | 1 |
| RPS3A | 0.1745275 | 0.0244169 | 7.1478 | 1.16E-12 | 0.251570633 | count | 2.80E-08 |
| TTC31 | 0.253141 | 0.3823461 | 0.6621 | 0.508 | 0.251626668 | count | 1 |
| OGFOD2 | 0.400127 | 0.4111063 | 0.9733 | 0.331 | 0.251677466 | count | 1 |
| RPL29 | 0.1746835 | 0.0250141 | 6.9834 | 3.70E-12 | 0.251750746 | count | 8.93E-08 |
| CITED2 | 0.1771284 | 0.1110548 | 1.595 | 0.111 | 0.251842744 | count | 1 |
| UBE2S | 0.1780306 | 0.084403 | 2.1093 | 0.035 | 0.252260303 | count | 1 |
| NES | 0.7831002 | 0.8008273 | 0.9779 | 0.328 | 0.252291529 | count | 1 |
| CAD | 0.7831002 | 0.609526 | 1.2848 | 0.199 | 0.252291529 | count | 1 |
| GCNA | 0.6484533 | 0.5981101 | 1.0842 | 0.278 | 0.252415351 | count | 1 |
| RHOBTB3 | 0.2043032 | 0.2088088 | 0.9784 | 0.328 | 0.252509483 | count | 1 |
| SUSD1 | 0.226318 | 0.2702555 | 0.8374 | 0.402 | 0.252586952 | count | 1 |
| LLPH | 0.1839432 | 0.1454953 | 1.2643 | 0.206 | 0.252630785 | count | 1 |
| VIPAS39 | 0.3242169 | 0.372601 | 0.8701 | 0.384 | 0.252654206 | count | 1 |
| SF1 | 0.1786793 | 0.0781266 | 2.287 | 0.0223 | 0.252668941 | count | 1 |
| GTF3C2 | 0.2637766 | 0.3075373 | 0.8577 | 0.391 | 0.2526713 | count | 1 |
| BOLA1 | 0.2638304 | 0.3812662 | 0.692 | 0.489 | 0.252724202 | count | 1 |
| SNRNP70 | 0.1828156 | 0.1018889 | 1.7943 | 0.0729 | 0.252878883 | count | 1 |
| SECISBP2L | 0.193568 | 0.1826515 | 1.0598 | 0.289 | 0.253065626 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|--------|-------------|-------|---|
| IL6ST | 0.1917205 | 0.1625111 | 1.1797 | 0.238 | 0.253118155 | count | 1 |
| NDRG3 | 0.2130375 | 0.2949628 | 0.7223 | 0.47 | 0.253415358 | count | 1 |
| GEMIN5 | 0.3488494 | 0.452374 | 0.7712 | 0.441 | 0.253456964 | count | 1 |
| KCTD2 | 0.3637369 | 0.499755 | 0.7278 | 0.467 | 0.253464378 | count | 1 |
| AC109630.1 | 0.3815175 | 0.565399 | 0.6748 | 0.5 | 0.253532177 | count | 1 |
| DOCK11 | 0.196983 | 0.146345 | 1.346 | 0.178 | 0.253633862 | count | 1 |
| LUC7L3 | 0.1815522 | 0.0964034 | 1.8833 | 0.0598 | 0.253645244 | count | 1 |
| 7-Mar | 0.1883973 | 0.1225759 | 1.537 | 0.124 | 0.253759046 | count | 1 |
| ALDH16A1 | 0.2009848 | 0.2028423 | 0.9908 | 0.322 | 0.253809567 | count | 1 |
| IST1 | 0.1886073 | 0.1490921 | 1.265 | 0.206 | 0.253848244 | count | 1 |
| MRPS31 | 0.2013326 | 0.1863633 | 1.0803 | 0.28 | 0.253884261 | count | 1 |
| MVK | 0.5067329 | 0.5095357 | 0.9945 | 0.32 | 0.253886643 | count | 1 |
| PIK3CD-AS1 | 1.7065036 | 1.337144 | 1.2762 | 0.202 | 0.253960544 | count | 1 |
| WNT6 | 1.7065036 | 1.064872 | 1.6025 | 0.109 | 0.253960544 | count | 1 |
| AC024060.1 | 1.7065036 | 1.337144 | 1.2762 | 0.202 | 0.253960544 | count | 1 |
| ZNF713 | 1.7065036 | 1.153889 | 1.4789 | 0.139 | 0.253960544 | count | 1 |
| RAB39B | 1.7065036 | 1.064872 | 1.6025 | 0.109 | 0.253960544 | count | 1 |
| SPATA41 | 1.7065036 | 1.337144 | 1.2762 | 0.202 | 0.253960544 | count | 1 |
| ZSWIM3 | 1.7065036 | 1.064872 | 1.6025 | 0.109 | 0.253960544 | count | 1 |
| SSC5D | 1.7065036 | 1.337144 | 1.2762 | 0.202 | 0.253960544 | count | 1 |
| VPS54 | 0.2277968 | 0.3506297 | 0.6497 | 0.516 | 0.254263207 | count | 1 |
| ROCK1 | 0.1797879 | 0.0733703 | 2.4504 | 0.0143 | 0.254419522 | count | 1 |
| CCL5 | 0.1968243 | 0.3016872 | 0.6524 | 0.514 | 0.254450582 | count | 1 |
| DHRS4L2 | 0.1838729 | 0.0976301 | 1.8834 | 0.0598 | 0.254861064 | count | 1 |
| EFR3A | 0.1860949 | 0.1655783 | 1.1239 | 0.261 | 0.254969326 | count | 1 |
| FAM120A | 0.1891592 | 0.1269515 | 1.49 | 0.136 | 0.254980376 | count | 1 |
| PRKCSH | 0.19342 | 0.1555294 | 1.2436 | 0.214 | 0.255045416 | count | 1 |
| CRYZL1 | 0.2014013 | 0.2313534 | 0.8705 | 0.384 | 0.255053799 | count | 1 |
| SRC | 0.2443737 | 0.3391491 | 0.7205 | 0.471 | 0.255119559 | count | 1 |
| ADCK5 | 0.31775 | 0.4369732 | 0.7272 | 0.467 | 0.255212741 | count | 1 |
| ZNF324 | 0.2489074 | 0.5321389 | 0.4677 | 0.64 | 0.255257342 | count | 1 |
| NEMF | 0.1884294 | 0.1260992 | 1.4943 | 0.135 | 0.255302591 | count | 1 |
| TBC1D15 | 0.1968239 | 0.136169 | 1.4454 | 0.148 | 0.25540618 | count | 1 |
| DCTN1 | 0.2029744 | 0.2287193 | 0.8874 | 0.375 | 0.255592381 | count | 1 |
| WSB1 | 0.1804151 | 0.0702896 | 2.5667 | 0.0103 | 0.255608935 | count | 1 |
| CCDC130 | 0.1991623 | 0.2013281 | 0.9892 | 0.323 | 0.255634508 | count | 1 |
| CEP78 | 0.3845983 | 0.3314519 | 1.1603 | 0.246 | 0.255702918 | count | 1 |
| ATL2 | 0.2543868 | 0.426126 | 0.597 | 0.551 | 0.255731054 | count | 1 |
| NAE1 | 0.2061172 | 0.2234076 | 0.9226 | 0.356 | 0.255735217 | count | 1 |
| NRROS | 0.2042842 | 0.204775 | 0.9976 | 0.319 | 0.256064353 | count | 1 |
| TTC9C | 0.2134142 | 0.2256356 | 0.9458 | 0.344 | 0.256077149 | count | 1 |
| AC055822.1 | 0.7934483 | 0.9979214 | 0.7951 | 0.427 | 0.256134536 | count | 1 |
| AC024940.1 | 0.7934483 | 0.7452926 | 1.0646 | 0.287 | 0.256134536 | count | 1 |
| STXBP3 | 0.1885384 | 0.150776 | 1.2505 | 0.211 | 0.256222563 | count | 1 |
| KLHL17 | 0.3286089 | 1.0991073 | 0.299 | 0.765 | 0.256229566 | count | 1 |

| | | | | | | | |
|-------------|-----------|-----------|--------|----------|-------------|-------|----------|
| POLA1 | 0.2962468 | 0.428051 | 0.6921 | 0.489 | 0.256232509 | count | 1 |
| SLC30A5 | 0.2222306 | 0.2440931 | 0.9104 | 0.363 | 0.256245709 | count | 1 |
| GABPA | 0.2234519 | 0.2815777 | 0.7936 | 0.428 | 0.256600913 | count | 1 |
| AKAP8 | 0.2061738 | 0.2229841 | 0.9246 | 0.355 | 0.256727206 | count | 1 |
| MAPK8 | 0.2090992 | 0.2821729 | 0.741 | 0.459 | 0.256938075 | count | 1 |
| CHST13 | 0.2257603 | 0.2555776 | 0.8833 | 0.377 | 0.257011776 | count | 1 |
| EIF3E | 0.180415 | 0.0495319 | 3.6424 | 0.000276 | 0.257111553 | count | 1 |
| RCOR1 | 0.1876814 | 0.1220432 | 1.5378 | 0.124 | 0.257204075 | count | 1 |
| MIR222HG | 0.2270185 | 0.4382658 | 0.518 | 0.605 | 0.257260438 | count | 1 |
| RPL6 | 0.1785511 | 0.0245495 | 7.2731 | 4.70E-13 | 0.257313977 | count | 1.13E-08 |
| AL159163.1 | 0.3042496 | 0.5663457 | 0.5372 | 0.591 | 0.257362151 | count | 1 |
| ACADM | 0.1909436 | 0.1632046 | 1.17 | 0.242 | 0.257394901 | count | 1 |
| HHLA3 | 0.256026 | 0.3664569 | 0.6987 | 0.485 | 0.257417385 | count | 1 |
| PUM1 | 0.1967532 | 0.1663798 | 1.1826 | 0.237 | 0.25745267 | count | 1 |
| TMEM167B | 0.194302 | 0.1706682 | 1.1385 | 0.255 | 0.257628058 | count | 1 |
| LINC00656 | 1.7283342 | 0.9429855 | 1.8328 | 0.0669 | 0.257729281 | count | 1 |
| VPS37A | 0.2018276 | 0.18597 | 1.0853 | 0.278 | 0.257894647 | count | 1 |
| COPZ2 | 0.2656227 | 0.3635087 | 0.7307 | 0.465 | 0.257948589 | count | 1 |
| AL356512.1 | 0.3699008 | 0.5424604 | 0.6819 | 0.495 | 0.25799938 | count | 1 |
| INTS13 | 0.2982924 | 0.3958626 | 0.7535 | 0.451 | 0.258064681 | count | 1 |
| ABRAXAS1 | 0.2175708 | 0.2705705 | 0.8041 | 0.421 | 0.258077243 | count | 1 |
| TRIM52 | 0.2247712 | 0.3164477 | 0.7103 | 0.478 | 0.258136982 | count | 1 |
| TOMM5 | 0.1926737 | 0.1844178 | 1.0448 | 0.296 | 0.258168416 | count | 1 |
| KIAA0040 | 0.1976514 | 0.1935462 | 1.0212 | 0.307 | 0.258231089 | count | 1 |
| AC245060.5 | 0.2626623 | 0.5296445 | 0.4959 | 0.62 | 0.258244279 | count | 1 |
| CLCN3 | 0.2023605 | 0.1861595 | 1.087 | 0.277 | 0.258269797 | count | 1 |
| SLC35A2 | 0.2141056 | 0.2685162 | 0.7974 | 0.425 | 0.258294821 | count | 1 |
| IL16 | 0.1947028 | 0.1524935 | 1.2768 | 0.202 | 0.258454537 | count | 1 |
| CTSG | 0.4103283 | 0.9478798 | 0.4329 | 0.665 | 0.258522707 | count | 1 |
| TEX22 | 0.4103283 | 0.6535561 | 0.6278 | 0.53 | 0.258522707 | count | 1 |
| HDAC8 | 0.2160414 | 0.2732592 | 0.7906 | 0.429 | 0.258540067 | count | 1 |
| LINC01410 | 0.2699101 | 0.4052905 | 0.666 | 0.505 | 0.258706399 | count | 1 |
| RIMS3 | 1.054508 | 0.9979126 | 1.0567 | 0.291 | 0.258731422 | count | 1 |
| PRKAR2A-AS1 | 1.054508 | 1.041727 | 1.0123 | 0.312 | 0.258731422 | count | 1 |
| TF | 1.054508 | 1.2816545 | 0.8228 | 0.411 | 0.258731422 | count | 1 |
| ADCY2 | 1.054508 | 1.1781147 | 0.8951 | 0.371 | 0.258731422 | count | 1 |
| TSLP | 1.054508 | 0.9663408 | 1.0912 | 0.275 | 0.258731422 | count | 1 |
| AC091959.3 | 1.054508 | 0.9189394 | 1.1475 | 0.251 | 0.258731422 | count | 1 |
| AL137003.2 | 1.054508 | 0.9663408 | 1.0912 | 0.275 | 0.258731422 | count | 1 |
| AC004839.1 | 1.054508 | 0.9979126 | 1.0567 | 0.291 | 0.258731422 | count | 1 |
| MYBL1 | 1.054508 | 1.001006 | 1.0534 | 0.292 | 0.258731422 | count | 1 |
| RFX3-AS1 | 1.054508 | 1.041727 | 1.0123 | 0.312 | 0.258731422 | count | 1 |
| FZD8 | 1.054508 | 0.8689562 | 1.2135 | 0.225 | 0.258731422 | count | 1 |
| CAPS2 | 1.054508 | 1.041727 | 1.0123 | 0.312 | 0.258731422 | count | 1 |
| DDTL | 1.054508 | 0.9663408 | 1.0912 | 0.275 | 0.258731422 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-----------|
| MRPL49 | 0.2330724 | 0.2614263 | 0.8915 | 0.373 | 0.258819914 | count | 1 |
| CDK18 | 0.4715553 | 0.5265296 | 0.8956 | 0.371 | 0.258858905 | count | 1 |
| LMBR1 | 0.3891381 | 0.3685154 | 1.056 | 0.291 | 0.258904889 | count | 1 |
| TMEM43 | 0.2015324 | 0.2385246 | 0.8449 | 0.398 | 0.258979833 | count | 1 |
| AMMECR1L | 0.411106 | 0.5370285 | 0.7655 | 0.444 | 0.259045332 | count | 1 |
| RCE1 | 0.2023184 | 0.2528311 | 0.8002 | 0.424 | 0.259130377 | count | 1 |
| KMT2C | 0.1883969 | 0.1153326 | 1.6335 | 0.102 | 0.259154348 | count | 1 |
| CSF2RA | 0.1856743 | 0.1089947 | 1.7035 | 0.0886 | 0.259217092 | count | 1 |
| FURIN | 0.2136152 | 0.2248559 | 0.95 | 0.342 | 0.259629187 | count | 1 |
| TMOD2 | 0.2175668 | 0.2053845 | 1.0593 | 0.29 | 0.259636475 | count | 1 |
| C11orf71 | 0.2210431 | 0.2972452 | 0.7436 | 0.457 | 0.259683675 | count | 1 |
| FBXO21 | 0.2128863 | 0.2305972 | 0.9232 | 0.356 | 0.259938359 | count | 1 |
| AKT1 | 0.1914089 | 0.1348784 | 1.4191 | 0.156 | 0.259986091 | count | 1 |
| TDRD9 | 1.741681 | 0.7671703 | 2.2703 | 0.0233 | 0.26002984 | count | 1 |
| MDK | 0.3154734 | 0.5050167 | 0.6247 | 0.532 | 0.260514372 | count | 1 |
| WDSUB1 | 0.2347381 | 0.286004 | 0.8208 | 0.412 | 0.260699822 | count | 1 |
| CSAD | 0.2100932 | 0.3044658 | 0.69 | 0.49 | 0.260712446 | count | 1 |
| ATP7A | 0.2235651 | 0.2856412 | 0.7827 | 0.434 | 0.260823414 | count | 1 |
| WDR61 | 0.1941106 | 0.1417651 | 1.3692 | 0.171 | 0.260976191 | count | 1 |
| TMEM214 | 0.2315556 | 0.3911433 | 0.592 | 0.554 | 0.261207988 | count | 1 |
| AC100786.1 | 0.4758569 | 0.5874035 | 0.8101 | 0.418 | 0.261416371 | count | 1 |
| TMCO3 | 0.2028216 | 0.2383816 | 0.8508 | 0.395 | 0.261471295 | count | 1 |
| RPL22 | 0.1816216 | 0.0280561 | 6.4735 | 1.15E-10 | 0.261502932 | count | 2.77E-06 |
| TCP11L1 | 0.2446438 | 0.2963352 | 0.8256 | 0.409 | 0.261598176 | count | 1 |
| PUS1 | 0.2693892 | 0.3553834 | 0.758 | 0.449 | 0.261702711 | count | 1 |
| DDX20 | 0.2466142 | 0.289727 | 0.8512 | 0.395 | 0.261755879 | count | 1 |
| SKI | 0.2260599 | 0.2518934 | 0.8974 | 0.37 | 0.261771175 | count | 1 |
| UBL7-AS1 | 0.2169651 | 0.2769908 | 0.7833 | 0.434 | 0.261781668 | count | 1 |
| PYCARD | 0.1825363 | 0.0421312 | 4.3326 | 1.53E-05 | 0.261873714 | count | 0.3620898 |
| ZNF480 | 0.2106485 | 0.2776956 | 0.7586 | 0.448 | 0.261883057 | count | 1 |
| ARL2BP | 0.1919684 | 0.14521 | 1.322 | 0.186 | 0.261949075 | count | 1 |
| PIP4P1 | 0.192752 | 0.1208937 | 1.5944 | 0.111 | 0.261968352 | count | 1 |
| POR | 0.1922429 | 0.1778673 | 1.0808 | 0.28 | 0.262058302 | count | 1 |
| PSRC1 | 0.3259354 | 0.5962629 | 0.5466 | 0.585 | 0.26206765 | count | 1 |
| SHQ1 | 0.3259354 | 0.5569402 | 0.5852 | 0.558 | 0.26206765 | count | 1 |
| RP9 | 0.2027002 | 0.2053767 | 0.987 | 0.324 | 0.262095538 | count | 1 |
| FBXO25 | 0.2146417 | 0.2583478 | 0.8308 | 0.406 | 0.262103176 | count | 1 |
| SLC25A6 | 0.1824321 | 0.0379316 | 4.8095 | 1.60E-06 | 0.262167091 | count | 0.0380768 |
| LINC01772 | 0.443002 | 0.6296983 | 0.7035 | 0.482 | 0.262259879 | count | 1 |
| GRPEL2 | 0.443002 | 0.6356669 | 0.6969 | 0.486 | 0.262259879 | count | 1 |
| DIRC3 | 1.75609 | 1.12861 | 1.556 | 0.12 | 0.262510164 | count | 1 |
| FAM124B | 1.75609 | 1.274602 | 1.3778 | 0.168 | 0.262510164 | count | 1 |
| AC116563.1 | 1.75609 | 1.328848 | 1.3215 | 0.186 | 0.262510164 | count | 1 |
| SCNN1A | 1.75609 | 1.328848 | 1.3215 | 0.186 | 0.262510164 | count | 1 |
| CGNL1 | 1.75609 | 0.9956429 | 1.7638 | 0.0779 | 0.262510164 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|----------|
| AC012173.1 | 1.75609 | 1.572253 | 1.1169 | 0.264 | 0.262510164 | count | 1 |
| AC099518.1 | 1.75609 | 0.921996 | 1.9047 | 0.0569 | 0.262510164 | count | 1 |
| PRDX2 | 0.1881675 | 0.1288194 | 1.4607 | 0.144 | 0.262542176 | count | 1 |
| PMP22 | 0.1875707 | 0.1061795 | 1.7665 | 0.0774 | 0.262558557 | count | 1 |
| RAB12 | 0.2155052 | 0.2422558 | 0.8896 | 0.374 | 0.262566745 | count | 1 |
| RHO | 0.2025135 | 0.1708576 | 1.1853 | 0.236 | 0.262595396 | count | 1 |
| CLINT1 | 0.1865697 | 0.0891514 | 2.0927 | 0.0365 | 0.26262386 | count | 1 |
| IL3RA | 0.25594 | 0.3731235 | 0.6859 | 0.493 | 0.262629805 | count | 1 |
| EXOSC1 | 0.1954978 | 0.1593214 | 1.2271 | 0.22 | 0.262636057 | count | 1 |
| CSNK1G3 | 0.2065348 | 0.2229961 | 0.9262 | 0.354 | 0.262649537 | count | 1 |
| GRIPAP1 | 0.1958746 | 0.1892041 | 1.0353 | 0.301 | 0.262703576 | count | 1 |
| MRPL34 | 0.1871603 | 0.0861251 | 2.1731 | 0.0299 | 0.262916126 | count | 1 |
| NFATC2IP | 0.2060477 | 0.1985725 | 1.0376 | 0.3 | 0.263009711 | count | 1 |
| ARMC9 | 0.8120867 | 0.6655467 | 1.2202 | 0.223 | 0.263082318 | count | 1 |
| COPS7B | 0.2321067 | 0.3291255 | 0.7052 | 0.481 | 0.263113207 | count | 1 |
| VCPKMT | 0.2211307 | 0.4427569 | 0.4994 | 0.618 | 0.26315575 | count | 1 |
| MYO9A | 0.2332667 | 0.2588023 | 0.9013 | 0.368 | 0.263167842 | count | 1 |
| POLR1D | 0.1863952 | 0.0695941 | 2.6783 | 0.00745 | 0.263240933 | count | 1 |
| TMEM128 | 0.2384229 | 0.2493421 | 0.9562 | 0.339 | 0.26334693 | count | 1 |
| FAM57A | 0.3620696 | 0.6813235 | 0.5314 | 0.595 | 0.263567165 | count | 1 |
| APBA1 | 0.6738629 | 0.6249822 | 1.0782 | 0.281 | 0.263584861 | count | 1 |
| OGA | 0.194071 | 0.1696668 | 1.1438 | 0.253 | 0.263990881 | count | 1 |
| NMNAT3 | 0.3494825 | 0.3790146 | 0.9221 | 0.357 | 0.263995313 | count | 1 |
| MT-CO1 | 0.1830787 | 0.0238961 | 7.6615 | 2.63E-14 | 0.264064015 | count | 6.36E-10 |
| IRF9 | 0.2082156 | 0.2537717 | 0.8205 | 0.412 | 0.264107948 | count | 1 |
| TIFA | 0.2226914 | 0.2278587 | 0.9773 | 0.329 | 0.264223979 | count | 1 |
| TMEM9 | 0.2008326 | 0.1884514 | 1.0657 | 0.287 | 0.264343612 | count | 1 |
| LTV1 | 0.2043469 | 0.2283173 | 0.895 | 0.371 | 0.264492346 | count | 1 |
| INPP5A | 0.3127483 | 0.4467046 | 0.7001 | 0.484 | 0.264826511 | count | 1 |
| FCF1 | 0.2364115 | 0.2549332 | 0.9273 | 0.354 | 0.265427264 | count | 1 |
| PLEKHO1 | 0.1865721 | 0.0744877 | 2.5047 | 0.0123 | 0.265457289 | count | 1 |
| AC007384.1 | 0.2639612 | 0.4687308 | 0.5631 | 0.573 | 0.26558703 | count | 1 |
| BORCS8 | 0.1995431 | 0.1520901 | 1.312 | 0.19 | 0.265764537 | count | 1 |
| TCF4 | 0.1988024 | 0.1547474 | 1.2847 | 0.199 | 0.265937145 | count | 1 |
| CNOT8 | 0.2088485 | 0.1763446 | 1.1843 | 0.236 | 0.265952571 | count | 1 |
| RSL24D1 | 0.1887087 | 0.0802815 | 2.3506 | 0.0188 | 0.266258556 | count | 1 |
| LPP-AS2 | 0.4493565 | 0.689203 | 0.652 | 0.514 | 0.266304741 | count | 1 |
| FIG4 | 0.225864 | 0.2438973 | 0.9261 | 0.355 | 0.266316597 | count | 1 |
| SELENOP | 0.1854146 | 0.0896147 | 2.069 | 0.0386 | 0.266387437 | count | 1 |
| SERPINA1 | 0.1859714 | 0.053697 | 3.4634 | 0.000543 | 0.266464701 | count | 1 |
| BCL2L12 | 0.216477 | 0.2289781 | 0.9454 | 0.345 | 0.266639794 | count | 1 |
| BCL2A1 | 0.1857251 | 0.0658728 | 2.8195 | 0.00485 | 0.266640397 | count | 1 |
| OSCAR | 0.1957044 | 0.1319391 | 1.4833 | 0.138 | 0.266861042 | count | 1 |
| NAGA | 0.1961044 | 0.1114272 | 1.7599 | 0.0785 | 0.267058056 | count | 1 |
| ARID4A | 0.1923836 | 0.1054145 | 1.825 | 0.0681 | 0.267112118 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|----------|
| MRPS33 | 0.1968011 | 0.1623545 | 1.2122 | 0.226 | 0.267178199 | count | 1 |
| SART1 | 0.2258631 | 0.26973 | 0.8374 | 0.402 | 0.267186715 | count | 1 |
| MEF2A | 0.1908894 | 0.0940269 | 2.0302 | 0.0424 | 0.267327724 | count | 1 |
| SHKBP1 | 0.191065 | 0.083706 | 2.2826 | 0.0225 | 0.267359244 | count | 1 |
| RPL19 | 0.1854672 | 0.0219877 | 8.435 | 5.57E-17 | 0.267400616 | count | 1.35E-12 |
| AC016745.2 | 0.682621 | 0.815455 | 0.8371 | 0.403 | 0.267453152 | count | 1 |
| STX17-AS1 | 0.682621 | 0.8420904 | 0.8106 | 0.418 | 0.267453152 | count | 1 |
| CRAT | 0.2381977 | 0.3311048 | 0.7194 | 0.472 | 0.26746458 | count | 1 |
| NDUFA9 | 0.1968518 | 0.1377043 | 1.4295 | 0.153 | 0.267559699 | count | 1 |
| RHBDD1 | 0.3158654 | 0.3930875 | 0.8035 | 0.422 | 0.267567597 | count | 1 |
| TMC8 | 0.2383639 | 0.260934 | 0.9135 | 0.361 | 0.267654162 | count | 1 |
| LONRF1 | 0.2206772 | 0.2374493 | 0.9294 | 0.353 | 0.267655452 | count | 1 |
| VARS2 | 0.5938164 | 0.6072571 | 0.9779 | 0.328 | 0.267718058 | count | 1 |
| UNC13B | 0.5938164 | 0.5912772 | 1.0043 | 0.315 | 0.267718058 | count | 1 |
| ZNF213 | 0.5939776 | 0.7288098 | 0.815 | 0.415 | 0.267798726 | count | 1 |
| C16orf45 | 0.5939776 | 0.7668984 | 0.7745 | 0.439 | 0.267798726 | count | 1 |
| TBP | 0.2487776 | 0.3957927 | 0.6286 | 0.53 | 0.26802729 | count | 1 |
| TRMT13 | 0.2636884 | 0.3930154 | 0.6709 | 0.502 | 0.268100164 | count | 1 |
| HEBP1 | 0.1911113 | 0.0935763 | 2.0423 | 0.0412 | 0.268105155 | count | 1 |
| BET1 | 0.2260156 | 0.2331482 | 0.9694 | 0.332 | 0.268215939 | count | 1 |
| SPAST | 0.2101602 | 0.2020417 | 1.0402 | 0.298 | 0.268297644 | count | 1 |
| NBPF9 | 0.2879709 | 0.5754194 | 0.5005 | 0.617 | 0.268369393 | count | 1 |
| GNAQ | 0.1983221 | 0.1115788 | 1.7774 | 0.0756 | 0.26849683 | count | 1 |
| PAK1 | 0.1947653 | 0.1029897 | 1.8911 | 0.0587 | 0.268587764 | count | 1 |
| FAM78A | 0.2295943 | 0.2795388 | 0.8213 | 0.412 | 0.268919444 | count | 1 |
| DGKA | 0.2157711 | 0.2919234 | 0.7391 | 0.46 | 0.269249894 | count | 1 |
| SAMD9 | 0.1985072 | 0.1546353 | 1.2837 | 0.199 | 0.269258486 | count | 1 |
| WDR82 | 0.2040212 | 0.1789259 | 1.1403 | 0.254 | 0.269272373 | count | 1 |
| RICTOR | 0.2177938 | 0.2670533 | 0.8155 | 0.415 | 0.269340982 | count | 1 |
| SNX30 | 0.2170533 | 0.2300905 | 0.9433 | 0.346 | 0.269428847 | count | 1 |
| CHURC1 | 0.1930162 | 0.0950305 | 2.0311 | 0.0424 | 0.269509691 | count | 1 |
| FNTB | 0.3111376 | 0.4527239 | 0.6873 | 0.492 | 0.269587326 | count | 1 |
| DENND5A | 0.2105493 | 0.1928112 | 1.092 | 0.275 | 0.269748068 | count | 1 |
| MT-CYB | 0.1871744 | 0.0287892 | 6.5016 | 9.60E-11 | 0.269828974 | count | 2.31E-06 |
| RRAGB | 0.2457004 | 0.340027 | 0.7226 | 0.47 | 0.269906293 | count | 1 |
| RDH13 | 0.3570867 | 0.4898459 | 0.729 | 0.466 | 0.270024539 | count | 1 |
| NFKB2 | 0.2137512 | 0.1881652 | 1.136 | 0.256 | 0.270061642 | count | 1 |
| GCA | 0.1906211 | 0.066324 | 2.8741 | 0.00409 | 0.270090779 | count | 1 |
| PPP2R2A | 0.1963519 | 0.1203771 | 1.6311 | 0.103 | 0.270321209 | count | 1 |
| EIF2AK3 | 0.2588107 | 0.258943 | 0.9995 | 0.318 | 0.270514897 | count | 1 |
| DENND4A | 0.2126853 | 0.2337379 | 0.9099 | 0.363 | 0.270530809 | count | 1 |
| LARS | 0.1961417 | 0.126455 | 1.5511 | 0.121 | 0.270535044 | count | 1 |
| TACO1 | 0.2421505 | 0.3287936 | 0.7365 | 0.462 | 0.270549119 | count | 1 |
| ARMC10 | 0.2056325 | 0.1922562 | 1.0696 | 0.285 | 0.271058099 | count | 1 |
| PRRG2 | 0.3198436 | 0.6662 | 0.4801 | 0.631 | 0.271068509 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| CLASP2 | 0.2247807 | 0.2503363 | 0.8979 | 0.369 | 0.271316433 | count | 1 |
| KBTBD7 | 0.3131197 | 0.6301459 | 0.4969 | 0.619 | 0.271368049 | count | 1 |
| YPEL1 | 0.3589253 | 0.5175829 | 0.6935 | 0.488 | 0.271483952 | count | 1 |
| KDM2B | 0.2274462 | 0.2650581 | 0.8581 | 0.391 | 0.271566111 | count | 1 |
| MCM5 | 0.2104618 | 0.2035678 | 1.0339 | 0.301 | 0.271662298 | count | 1 |
| MAP3K7 | 0.2298066 | 0.2440365 | 0.9417 | 0.346 | 0.271909859 | count | 1 |
| MOB2 | 0.2109625 | 0.2033954 | 1.0372 | 0.3 | 0.272037653 | count | 1 |
| DNAJA3 | 0.2731731 | 0.3236316 | 0.8441 | 0.399 | 0.272045192 | count | 1 |
| ALG10B | 0.3289471 | 0.5697953 | 0.5773 | 0.564 | 0.272101476 | count | 1 |
| ETHE1 | 0.1949587 | 0.0914837 | 2.1311 | 0.0332 | 0.272180156 | count | 1 |
| MKLN1 | 0.2201424 | 0.2335839 | 0.9425 | 0.346 | 0.272273001 | count | 1 |
| AFF3 | 0.2968201 | 0.4217273 | 0.7038 | 0.482 | 0.272297833 | count | 1 |
| RHBDD2 | 0.2080524 | 0.1928629 | 1.0788 | 0.281 | 0.272324512 | count | 1 |
| EIF3K | 0.1897102 | 0.0364012 | 5.2116 | 2.03E-07 | 0.272337319 | count | 0.004848655 |
| TMEM140 | 0.2369611 | 0.2757903 | 0.8592 | 0.39 | 0.272340249 | count | 1 |
| RPA1 | 0.3143235 | 0.336348 | 0.9345 | 0.35 | 0.272449886 | count | 1 |
| ZMYM5 | 0.2159823 | 0.175862 | 1.2281 | 0.22 | 0.272510032 | count | 1 |
| SPA17 | 0.3215712 | 0.4200861 | 0.7655 | 0.444 | 0.272589745 | count | 1 |
| FYCO1 | 0.2531018 | 0.4916018 | 0.5149 | 0.607 | 0.272775501 | count | 1 |
| DGKQ | 0.6040284 | 0.540951 | 1.1166 | 0.264 | 0.272834259 | count | 1 |
| TRADD | 0.2031498 | 0.1374562 | 1.4779 | 0.14 | 0.272847351 | count | 1 |
| CNST | 0.2204485 | 0.260205 | 0.8472 | 0.397 | 0.273174692 | count | 1 |
| MRM3 | 0.2488703 | 0.3421705 | 0.7273 | 0.467 | 0.273450431 | count | 1 |
| HNRNPUL1 | 0.2031437 | 0.1219982 | 1.6651 | 0.096 | 0.273598929 | count | 1 |
| TBC1D2B | 0.21278 | 0.1643406 | 1.2948 | 0.196 | 0.273827705 | count | 1 |
| BACH1 | 0.1941441 | 0.1000777 | 1.9399 | 0.0525 | 0.273926682 | count | 1 |
| TRAPPC13 | 0.2694916 | 0.3236794 | 0.8326 | 0.405 | 0.274140443 | count | 1 |
| OSBPL1A | 0.2042211 | 0.172259 | 1.1855 | 0.236 | 0.274292337 | count | 1 |
| ACSL5 | 0.2563784 | 0.3824103 | 0.6704 | 0.503 | 0.274395464 | count | 1 |
| PIGV | 0.2754961 | 0.3615372 | 0.762 | 0.446 | 0.274417307 | count | 1 |
| EMP3 | 0.190807 | 0.0454646 | 4.1968 | 2.80E-05 | 0.274462176 | count | 0.66122 |
| STT3B | 0.2033047 | 0.133573 | 1.522 | 0.128 | 0.274521992 | count | 1 |
| NCDN | 1.108716 | 0.8341143 | 1.3292 | 0.184 | 0.274562565 | count | 1 |
| SPTY2D10S | 1.108716 | 0.9763295 | 1.1356 | 0.256 | 0.274562565 | count | 1 |
| ACAP1 | 0.2306507 | 0.2136324 | 1.0797 | 0.28 | 0.274622866 | count | 1 |
| DNTTIP1 | 0.2061752 | 0.1402255 | 1.4703 | 0.142 | 0.274780399 | count | 1 |
| SACM1L | 0.2362566 | 0.2133134 | 1.1076 | 0.268 | 0.274804435 | count | 1 |
| HNRNPA1 | 0.192159 | 0.0456203 | 4.2121 | 2.62E-05 | 0.274846226 | count | 0.6188178 |
| POLR1B | 0.3048022 | 0.5580038 | 0.5462 | 0.585 | 0.274872578 | count | 1 |
| AFG3L2 | 0.2081308 | 0.2214754 | 0.9397 | 0.347 | 0.274899884 | count | 1 |
| AC116407.2 | 0.2996779 | 0.5132922 | 0.5838 | 0.559 | 0.275004064 | count | 1 |
| CREBRF | 0.2019203 | 0.1299317 | 1.554 | 0.12 | 0.275005408 | count | 1 |
| EBI3 | 0.2266828 | 0.1873211 | 1.2101 | 0.226 | 0.275018778 | count | 1 |
| MPDU1 | 0.2131929 | 0.1647 | 1.2944 | 0.196 | 0.275211472 | count | 1 |
| RGS19 | 0.1943109 | 0.0707796 | 2.7453 | 0.00609 | 0.275288104 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| ATP5MC2 | 0.1914455 | 0.0337196 | 5.6776 | 1.53E-08 | 0.275315308 | count | 0.000366802 |
| C8orf59 | 0.194219 | 0.0720409 | 2.696 | 0.00707 | 0.275347475 | count | 1 |
| RNFT1 | 0.2035582 | 0.1745165 | 1.1664 | 0.244 | 0.275431474 | count | 1 |
| UBE2D1 | 0.1941955 | 0.0674226 | 2.8803 | 0.00401 | 0.275452069 | count | 1 |
| PHLDB3 | 0.3424635 | 0.4304444 | 0.7956 | 0.426 | 0.275947439 | count | 1 |
| UHMK1 | 0.2119291 | 0.1657124 | 1.2789 | 0.201 | 0.276095088 | count | 1 |
| TNFSF8 | 0.2223804 | 0.216383 | 1.0277 | 0.304 | 0.276103263 | count | 1 |
| RPUSD3 | 0.213957 | 0.2543125 | 0.8413 | 0.4 | 0.276478826 | count | 1 |
| PARP14 | 0.1977408 | 0.0823997 | 2.3998 | 0.0165 | 0.276548661 | count | 1 |
| PNPLA6 | 0.2241651 | 0.191214 | 1.1723 | 0.241 | 0.276756002 | count | 1 |
| ABCA3 | 0.7036679 | 0.8025588 | 0.8768 | 0.381 | 0.276786926 | count | 1 |
| LARP7 | 0.1978879 | 0.1003776 | 1.9714 | 0.0488 | 0.276818937 | count | 1 |
| TTC32 | 0.2261473 | 0.2254225 | 1.0032 | 0.316 | 0.276914284 | count | 1 |
| PHF1 | 0.2219324 | 0.2801308 | 0.7922 | 0.428 | 0.277007728 | count | 1 |
| PCMT1 | 0.1965391 | 0.0709245 | 2.7711 | 0.00563 | 0.277033414 | count | 1 |
| ZFP69B | 1.1175489 | 0.768622 | 1.454 | 0.146 | 0.277155566 | count | 1 |
| AC239868.2 | 1.1175489 | 0.7881798 | 1.4179 | 0.156 | 0.277155566 | count | 1 |
| MLYCD | 0.2848947 | 0.3472763 | 0.8204 | 0.412 | 0.277182701 | count | 1 |
| WDR55 | 0.2225186 | 0.2075933 | 1.0719 | 0.284 | 0.277266998 | count | 1 |
| IMMP2L | 0.2887512 | 0.3310222 | 0.8723 | 0.383 | 0.277285884 | count | 1 |
| BID | 0.1954363 | 0.0746701 | 2.6173 | 0.00892 | 0.277338827 | count | 1 |
| TNFSF15 | 0.2297821 | 0.331982 | 0.6922 | 0.489 | 0.277421399 | count | 1 |
| UBE3C | 0.2212055 | 0.2601937 | 0.8502 | 0.395 | 0.27746068 | count | 1 |
| RNF213 | 0.1967034 | 0.0871434 | 2.2572 | 0.0241 | 0.277693486 | count | 1 |
| PHETA1 | 0.3667951 | 0.4081696 | 0.8986 | 0.369 | 0.277737792 | count | 1 |
| CD300C | 0.2107518 | 0.1906626 | 1.1054 | 0.269 | 0.277843272 | count | 1 |
| OTULIN | 0.2140534 | 0.222416 | 0.9624 | 0.336 | 0.277909471 | count | 1 |
| CAGE1 | 1.8472188 | 1.349633 | 1.3687 | 0.171 | 0.278101065 | count | 1 |
| LINC01127 | 1.120929 | 0.6890357 | 1.6268 | 0.104 | 0.278148686 | count | 1 |
| AC025181.2 | 0.3031918 | 0.4605824 | 0.6583 | 0.51 | 0.278333574 | count | 1 |
| MBD4 | 0.1999529 | 0.1090274 | 1.834 | 0.0668 | 0.278406964 | count | 1 |
| ZFP69 | 0.852997 | 0.7285691 | 1.1708 | 0.242 | 0.278445628 | count | 1 |
| C2orf92 | 0.852997 | 0.7582168 | 1.125 | 0.261 | 0.278445628 | count | 1 |
| VTA1 | 0.2140208 | 0.1749761 | 1.2231 | 0.221 | 0.278600338 | count | 1 |
| TRMT10A | 0.2738517 | 0.3354462 | 0.8164 | 0.414 | 0.27868222 | count | 1 |
| NKX3-1 | 0.6157406 | 0.8194007 | 0.7515 | 0.452 | 0.278719919 | count | 1 |
| BCO2 | 0.2688335 | 0.4508791 | 0.5962 | 0.551 | 0.278753022 | count | 1 |
| PRKACB | 0.2249816 | 0.1720634 | 1.3075 | 0.191 | 0.278845642 | count | 1 |
| GRHPR | 0.2027768 | 0.1191598 | 1.7017 | 0.0889 | 0.278889438 | count | 1 |
| ETS2 | 0.1954818 | 0.0595059 | 3.2851 | 0.00103 | 0.2789473 | count | 1 |
| APEH | 0.2268159 | 0.2189466 | 1.0359 | 0.3 | 0.279501635 | count | 1 |
| AC090204.1 | 0.2234017 | 0.272745 | 0.8191 | 0.413 | 0.279788995 | count | 1 |
| GGT5 | 0.6179656 | 0.9346691 | 0.6612 | 0.509 | 0.279840165 | count | 1 |
| TUT4 | 0.205465 | 0.1905808 | 1.0781 | 0.281 | 0.279849883 | count | 1 |
| RPL18 | 0.1942713 | 0.0244872 | 7.9336 | 3.21E-15 | 0.279966346 | count | 7.76E-11 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-----------|
| RPS26 | 0.1945526 | 0.0277487 | 7.0112 | 3.04E-12 | 0.280100619 | count | 7.33E-08 |
| TENT2 | 0.219413 | 0.1803848 | 1.2164 | 0.224 | 0.280200013 | count | 1 |
| CLCC1 | 0.2958128 | 0.2959293 | 0.9996 | 0.318 | 0.280203823 | count | 1 |
| IREB2 | 0.2215417 | 0.1943146 | 1.1401 | 0.254 | 0.280380971 | count | 1 |
| ZNF641 | 0.2349684 | 0.2840894 | 0.8271 | 0.408 | 0.280656661 | count | 1 |
| CDC42BPB | 0.2387554 | 0.2501434 | 0.9545 | 0.34 | 0.280769595 | count | 1 |
| EME2 | 0.5555304 | 0.557003 | 0.9974 | 0.319 | 0.280780035 | count | 1 |
| KLHL9 | 0.252656 | 0.4216484 | 0.5992 | 0.549 | 0.280946175 | count | 1 |
| DHRS4 | 0.2250673 | 0.1889535 | 1.1911 | 0.234 | 0.280956281 | count | 1 |
| DOK2 | 0.1978977 | 0.0665996 | 2.9715 | 0.00299 | 0.281052425 | count | 1 |
| GEN1 | 0.5088106 | 0.638852 | 0.7964 | 0.426 | 0.281110524 | count | 1 |
| UCK1 | 0.2575155 | 0.3562437 | 0.7229 | 0.47 | 0.281363568 | count | 1 |
| C1orf109 | 0.3317565 | 0.3750035 | 0.8847 | 0.376 | 0.28156949 | count | 1 |
| ANXA1 | 0.1955073 | 0.0446896 | 4.3748 | 1.27E-05 | 0.281680753 | count | 0.3007741 |
| TMEM33 | 0.2061915 | 0.1347585 | 1.5301 | 0.126 | 0.281697722 | count | 1 |
| USP16 | 0.2029938 | 0.1105844 | 1.8356 | 0.0665 | 0.281743161 | count | 1 |
| VPS37B | 0.2119061 | 0.1864354 | 1.1366 | 0.256 | 0.28186805 | count | 1 |
| RB1CC1 | 0.2087565 | 0.1498214 | 1.3934 | 0.164 | 0.282110361 | count | 1 |
| RAD9A | 0.2363251 | 0.3124645 | 0.7563 | 0.45 | 0.282296892 | count | 1 |
| PPIL3 | 0.2288122 | 0.2913312 | 0.7854 | 0.432 | 0.282550186 | count | 1 |
| PVT1 | 0.2941015 | 0.4152805 | 0.7082 | 0.479 | 0.282572931 | count | 1 |
| TECPR2 | 0.2602823 | 0.4663408 | 0.5581 | 0.577 | 0.28259314 | count | 1 |
| KIF1B | 0.2087596 | 0.1507838 | 1.3845 | 0.166 | 0.282773798 | count | 1 |
| C21orf2 | 0.2144722 | 0.1897076 | 1.1305 | 0.258 | 0.282775339 | count | 1 |
| PTPN18 | 0.2051354 | 0.1090812 | 1.8806 | 0.0601 | 0.282787303 | count | 1 |
| BABAM2 | 0.2131962 | 0.2059133 | 1.0354 | 0.301 | 0.282810863 | count | 1 |
| RAD23B | 0.2068752 | 0.1151714 | 1.7962 | 0.0726 | 0.282901466 | count | 1 |
| DHDDS | 0.2517672 | 0.2690746 | 0.9357 | 0.35 | 0.282955711 | count | 1 |
| CGGBP1 | 0.2053006 | 0.1164632 | 1.7628 | 0.0781 | 0.2830628 | count | 1 |
| SMARCE1 | 0.2270181 | 0.200909 | 1.13 | 0.259 | 0.283413851 | count | 1 |
| DPH7 | 0.2758426 | 0.3328032 | 0.8288 | 0.407 | 0.283536925 | count | 1 |
| ELF4 | 0.2785889 | 0.3622062 | 0.7691 | 0.442 | 0.283620224 | count | 1 |
| RIOK2 | 0.2244299 | 0.2157566 | 1.0402 | 0.298 | 0.283666704 | count | 1 |
| B3GLCT | 0.560924 | 0.6415068 | 0.8744 | 0.382 | 0.283775035 | count | 1 |
| MFAP4 | 0.560924 | 0.6016629 | 0.9323 | 0.351 | 0.283775035 | count | 1 |
| TNFAIP3 | 0.208185 | 0.0999158 | 2.0836 | 0.0373 | 0.283791925 | count | 1 |
| PPP1R16A | 0.3272109 | 0.3182715 | 1.0281 | 0.304 | 0.284048077 | count | 1 |
| NFIL3 | 0.2013184 | 0.0717269 | 2.8067 | 0.00504 | 0.28427049 | count | 1 |
| CKMT2-AS1 | 0.4054687 | 0.8536978 | 0.475 | 0.635 | 0.28430569 | count | 1 |
| IFRD1 | 0.2036342 | 0.111988 | 1.8184 | 0.0691 | 0.284556007 | count | 1 |
| IL18RAP | 1.886343 | 1.134695 | 1.6624 | 0.0966 | 0.284734242 | count | 1 |
| AL355353.1 | 1.886343 | 1.0411 | 1.8119 | 0.0701 | 0.284734242 | count | 1 |
| AC023509.2 | 1.886343 | 1.0411 | 1.8119 | 0.0701 | 0.284734242 | count | 1 |
| AC005520.2 | 0.4493077 | 0.5869413 | 0.7655 | 0.444 | 0.284850595 | count | 1 |
| HPS4 | 0.2498679 | 0.2937415 | 0.8506 | 0.395 | 0.284890185 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|------------|
| S100A6 | 0.1977623 | 0.0414469 | 4.7715 | 1.94E-06 | 0.285087204 | count | 0.04614872 |
| CHD1 | 0.2007974 | 0.0759212 | 2.6448 | 0.00823 | 0.28511696 | count | 1 |
| LAMTOR3 | 0.2149422 | 0.1587318 | 1.3541 | 0.176 | 0.285139034 | count | 1 |
| AMMECR1 | 0.3158567 | 0.598416 | 0.5278 | 0.598 | 0.285188333 | count | 1 |
| RAB2B | 0.2490329 | 0.2978045 | 0.8362 | 0.403 | 0.285194956 | count | 1 |
| DYRK1A | 0.2214567 | 0.2415875 | 0.9167 | 0.359 | 0.285372469 | count | 1 |
| TRIM35 | 0.4792095 | 0.5105934 | 0.9385 | 0.348 | 0.285400294 | count | 1 |
| ZNF169 | 0.4792095 | 0.4905191 | 0.9769 | 0.329 | 0.285400294 | count | 1 |
| NCOA4 | 0.2033658 | 0.0771415 | 2.6363 | 0.00844 | 0.285431914 | count | 1 |
| PHAX | 0.2136555 | 0.1629547 | 1.3111 | 0.19 | 0.285767374 | count | 1 |
| RETREG2 | 0.2177438 | 0.1901658 | 1.145 | 0.252 | 0.285932802 | count | 1 |
| DICER1 | 0.2068628 | 0.1208585 | 1.7116 | 0.0871 | 0.285938527 | count | 1 |
| POLR2G | 0.2064425 | 0.1026148 | 2.0118 | 0.0443 | 0.286257331 | count | 1 |
| POLE4 | 0.2024455 | 0.0791219 | 2.5587 | 0.0106 | 0.286371689 | count | 1 |
| HTRA2 | 0.230599 | 0.2290515 | 1.0068 | 0.314 | 0.286405682 | count | 1 |
| TRAF7 | 0.2212657 | 0.2068204 | 1.0698 | 0.285 | 0.286540927 | count | 1 |
| VMO1 | 0.2016046 | 0.1109051 | 1.8178 | 0.0692 | 0.286698097 | count | 1 |
| SLC50A1 | 0.2169947 | 0.1652347 | 1.3133 | 0.189 | 0.287027581 | count | 1 |
| MVP | 0.2102935 | 0.1231333 | 1.7079 | 0.0878 | 0.287040475 | count | 1 |
| QARS | 0.2178396 | 0.1280811 | 1.7008 | 0.0891 | 0.287427432 | count | 1 |
| INTS11 | 0.211921 | 0.1448963 | 1.4626 | 0.144 | 0.287522702 | count | 1 |
| HACD3 | 0.226836 | 0.2062693 | 1.0997 | 0.272 | 0.2875332 | count | 1 |
| PNRC2 | 0.203966 | 0.0816398 | 2.4984 | 0.0125 | 0.287615231 | count | 1 |
| FN3K | 0.4534438 | 0.5688303 | 0.7972 | 0.425 | 0.287659948 | count | 1 |
| MTRNR2L10 | 1.153801 | 0.7385584 | 1.5622 | 0.118 | 0.287834149 | count | 1 |
| CCDC77 | 0.2689513 | 0.3275736 | 0.821 | 0.412 | 0.288129562 | count | 1 |
| CACTIN | 0.303931 | 0.4320794 | 0.7034 | 0.482 | 0.288129708 | count | 1 |
| PPIP5K2 | 0.2154908 | 0.1530127 | 1.4083 | 0.159 | 0.288233697 | count | 1 |
| TNFSF13B | 0.2023649 | 0.0600139 | 3.372 | 0.000758 | 0.288323819 | count | 1 |
| ZNF680 | 0.4544746 | 0.4293243 | 1.0586 | 0.29 | 0.288360556 | count | 1 |
| SLC25A13 | 0.2235641 | 0.1893816 | 1.1805 | 0.238 | 0.288403416 | count | 1 |
| FBN2 | 0.8793611 | 0.5882641 | 1.4948 | 0.135 | 0.288425194 | count | 1 |
| R3HDM2 | 0.2096513 | 0.1169076 | 1.7933 | 0.073 | 0.288477539 | count | 1 |
| AC034111.1 | 0.5698545 | 0.8866596 | 0.6427 | 0.52 | 0.288743639 | count | 1 |
| ZNF525 | 0.5698545 | 0.6898782 | 0.826 | 0.409 | 0.288743639 | count | 1 |
| IMPDH1 | 0.2155022 | 0.1292765 | 1.667 | 0.0956 | 0.28877167 | count | 1 |
| GPR34 | 0.2067566 | 0.1020634 | 2.0258 | 0.0429 | 0.288856006 | count | 1 |
| ATF7IP2 | 0.2394471 | 0.2865184 | 0.8357 | 0.403 | 0.289226487 | count | 1 |
| ATP5MPL | 0.2034035 | 0.0594516 | 3.4213 | 0.000633 | 0.289310994 | count | 1 |
| MRPS18B | 0.2141541 | 0.1718231 | 1.2464 | 0.213 | 0.289533724 | count | 1 |
| NUDT6 | 0.3208167 | 0.4517014 | 0.7102 | 0.478 | 0.28982386 | count | 1 |
| KLF3 | 0.2040055 | 0.0784291 | 2.6011 | 0.00935 | 0.289928129 | count | 1 |
| GMPT2 | 0.2159087 | 0.1523797 | 1.4169 | 0.157 | 0.289940351 | count | 1 |
| TBXAS1 | 0.2056371 | 0.0894686 | 2.2984 | 0.0216 | 0.290035465 | count | 1 |
| TNFRSF1B | 0.2037104 | 0.0672957 | 3.0271 | 0.00249 | 0.290037495 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|--------|-------------|-------|---|
| KANSL1 | 0.2138728 | 0.1390247 | 1.5384 | 0.124 | 0.290091909 | count | 1 |
| TBC1D10A | 0.2483387 | 0.2894382 | 0.858 | 0.391 | 0.290136852 | count | 1 |
| TUBGCP5 | 0.2773996 | 0.3195502 | 0.8681 | 0.385 | 0.290385086 | count | 1 |
| BAG5 | 0.2184283 | 0.1584586 | 1.3785 | 0.168 | 0.29043204 | count | 1 |
| TLE3 | 0.2140832 | 0.1575708 | 1.3586 | 0.174 | 0.290555731 | count | 1 |
| MYO5A | 0.2177449 | 0.1606113 | 1.3557 | 0.175 | 0.290567196 | count | 1 |
| PDK1 | 0.2462422 | 0.2876097 | 0.8562 | 0.392 | 0.290667973 | count | 1 |
| TNXB | 1.921826 | 1.360505 | 1.4126 | 0.158 | 0.290712989 | count | 1 |
| TG | 1.921826 | 1.638869 | 1.1727 | 0.241 | 0.290712989 | count | 1 |
| LINC02334 | 1.921826 | 1.638869 | 1.1727 | 0.241 | 0.290712989 | count | 1 |
| GSDMA | 1.921826 | 0.8744343 | 2.1978 | 0.0281 | 0.290712989 | count | 1 |
| AC011484.1 | 1.921826 | 1.038138 | 1.8512 | 0.0643 | 0.290712989 | count | 1 |
| ZNF772 | 1.921826 | 1.281501 | 1.4997 | 0.134 | 0.290712989 | count | 1 |
| AC002451.1 | 0.4140922 | 0.5722958 | 0.7236 | 0.469 | 0.290718402 | count | 1 |
| SRFBP1 | 0.2133699 | 0.1413003 | 1.51 | 0.131 | 0.290808962 | count | 1 |
| CKB | 0.3507777 | 0.3181133 | 1.1027 | 0.27 | 0.290946195 | count | 1 |
| TNFRSF9 | 1.1643777 | 0.7420391 | 1.5692 | 0.117 | 0.290959866 | count | 1 |
| JKAMP | 0.2143877 | 0.1318304 | 1.6262 | 0.104 | 0.291144783 | count | 1 |
| GKAP1 | 0.2665763 | 0.2757234 | 0.9668 | 0.334 | 0.291453482 | count | 1 |
| ARMC1 | 0.2360053 | 0.215055 | 1.0974 | 0.273 | 0.291522875 | count | 1 |
| MAP4K1 | 0.3718313 | 0.4618114 | 0.8052 | 0.421 | 0.291608019 | count | 1 |
| HAAO | 0.2835644 | 0.3139866 | 0.9031 | 0.367 | 0.291665184 | count | 1 |
| NFU1 | 0.2244091 | 0.1881632 | 1.1926 | 0.233 | 0.291704843 | count | 1 |
| DTD1 | 0.2224621 | 0.1857886 | 1.1974 | 0.231 | 0.291740536 | count | 1 |
| MID1IP1 | 0.209962 | 0.1290985 | 1.6264 | 0.104 | 0.29181183 | count | 1 |
| SNX11 | 0.2509903 | 0.3212571 | 0.7813 | 0.435 | 0.292190642 | count | 1 |
| IPCEF1 | 0.3234494 | 0.3792464 | 0.8529 | 0.394 | 0.29228608 | count | 1 |
| ATXN2 | 0.221967 | 0.1568405 | 1.4152 | 0.157 | 0.292324307 | count | 1 |
| RTTN | 0.4604697 | 0.5698769 | 0.808 | 0.419 | 0.292438909 | count | 1 |
| SEC22B | 0.2148634 | 0.1559858 | 1.3775 | 0.168 | 0.292459546 | count | 1 |
| CCDC142 | 0.5768137 | 0.5663634 | 1.0185 | 0.309 | 0.292623713 | count | 1 |
| NUP205 | 0.3086193 | 0.4381667 | 0.7043 | 0.481 | 0.292712038 | count | 1 |
| ATG4B | 0.2384146 | 0.2601428 | 0.9165 | 0.36 | 0.292727522 | count | 1 |
| METTL16 | 0.2591371 | 0.28938 | 0.8955 | 0.371 | 0.29284643 | count | 1 |
| MARVELD1 | 0.2497428 | 0.260531 | 0.9586 | 0.338 | 0.292850141 | count | 1 |
| TAB2 | 0.2391711 | 0.2466421 | 0.9697 | 0.332 | 0.293034162 | count | 1 |
| ZEB2-AS1 | 0.2255791 | 0.1810231 | 1.2461 | 0.213 | 0.293235854 | count | 1 |
| VPS39 | 0.2718965 | 0.3036972 | 0.8953 | 0.371 | 0.293444678 | count | 1 |
| SLC35F3 | 0.8929953 | 1.1426336 | 0.7815 | 0.435 | 0.293609303 | count | 1 |
| C19orf57 | 0.8929953 | 0.8806131 | 1.0141 | 0.311 | 0.293609303 | count | 1 |
| ZNF45 | 0.8929953 | 0.8967149 | 0.9959 | 0.319 | 0.293609303 | count | 1 |
| SETDB1 | 0.2531721 | 0.2522931 | 1.0035 | 0.316 | 0.293635135 | count | 1 |
| PCNX3 | 0.3014706 | 0.3384851 | 0.8906 | 0.373 | 0.293775858 | count | 1 |
| SLC25A46 | 0.2533096 | 0.2270908 | 1.1155 | 0.265 | 0.293796959 | count | 1 |
| GSS | 0.2208515 | 0.211132 | 1.046 | 0.296 | 0.293828276 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|------------|
| HIGD2A | 0.2054562 | 0.0453053 | 4.5349 | 6.04E-06 | 0.293971457 | count | 0.14332316 |
| KPTN | 0.3457952 | 0.4335859 | 0.7975 | 0.425 | 0.293977248 | count | 1 |
| IBA57 | 0.2785448 | 0.375617 | 0.7416 | 0.458 | 0.294052401 | count | 1 |
| MICU1 | 0.2212962 | 0.1550105 | 1.4276 | 0.154 | 0.294105248 | count | 1 |
| ASH1L | 0.2155835 | 0.1448354 | 1.4885 | 0.137 | 0.294139027 | count | 1 |
| RNF135 | 0.2144452 | 0.1341829 | 1.5982 | 0.11 | 0.294244478 | count | 1 |
| AREG | 0.2043763 | 0.115666 | 1.767 | 0.0774 | 0.294309256 | count | 1 |
| MTX3 | 0.3642463 | 0.5436802 | 0.67 | 0.503 | 0.294316745 | count | 1 |
| SPIN2B | 0.3202356 | 0.4447726 | 0.72 | 0.472 | 0.294513512 | count | 1 |
| CDKN2AIP | 0.2288167 | 0.1879441 | 1.2175 | 0.224 | 0.294925971 | count | 1 |
| ATP6V1A | 0.2167148 | 0.1363512 | 1.5894 | 0.112 | 0.294988809 | count | 1 |
| DDIT4 | 0.207388 | 0.0814988 | 2.5447 | 0.011 | 0.295058714 | count | 1 |
| CDKN1C | 0.2131332 | 0.1887624 | 1.1291 | 0.259 | 0.295171056 | count | 1 |
| KIF20B | 0.2555286 | 0.2259214 | 1.1311 | 0.258 | 0.2952292 | count | 1 |
| AC012615.1 | 0.269976 | 0.3541202 | 0.7624 | 0.446 | 0.29524227 | count | 1 |
| PRAF2 | 0.2929455 | 0.3353414 | 0.8736 | 0.382 | 0.295514493 | count | 1 |
| DPY19L4 | 0.2929773 | 0.4028776 | 0.7272 | 0.467 | 0.295547405 | count | 1 |
| RNF121 | 0.2929773 | 0.3802405 | 0.7705 | 0.441 | 0.295547405 | count | 1 |
| FOXN3-AS1 | 0.3116024 | 0.3683143 | 0.846 | 0.398 | 0.295629635 | count | 1 |
| RPS6KA4 | 0.243076 | 0.1894726 | 1.2829 | 0.2 | 0.29584669 | count | 1 |
| ACAT1 | 0.2277804 | 0.1790804 | 1.2719 | 0.204 | 0.295853131 | count | 1 |
| ZBTB11-AS1 | 0.2875539 | 0.3247262 | 0.8855 | 0.376 | 0.295868303 | count | 1 |
| STOML1 | 0.4040293 | 0.444599 | 0.9087 | 0.364 | 0.295870697 | count | 1 |
| MAFK | 0.2361957 | 0.29281 | 0.8067 | 0.42 | 0.295961363 | count | 1 |
| CROT | 0.3036644 | 0.3519163 | 0.8629 | 0.388 | 0.295975344 | count | 1 |
| AMPD3 | 0.270688 | 0.2672619 | 1.0128 | 0.311 | 0.29603596 | count | 1 |
| EPB41 | 0.2396492 | 0.1826183 | 1.3123 | 0.19 | 0.296070151 | count | 1 |
| AC079305.1 | 0.327651 | 0.3949352 | 0.8296 | 0.407 | 0.296218096 | count | 1 |
| TAPT1 | 0.2447287 | 0.2473825 | 0.9893 | 0.323 | 0.296434049 | count | 1 |
| KIAA0930 | 0.2152842 | 0.1158326 | 1.8586 | 0.0632 | 0.296514651 | count | 1 |
| TSPYL1 | 0.2154862 | 0.1288609 | 1.6722 | 0.0946 | 0.296530259 | count | 1 |
| EIF4A2 | 0.2132366 | 0.0912061 | 2.338 | 0.0195 | 0.296538083 | count | 1 |
| RLF | 0.227223 | 0.1664562 | 1.3651 | 0.172 | 0.296640655 | count | 1 |
| AGA | 0.2392537 | 0.1702945 | 1.4049 | 0.16 | 0.296712725 | count | 1 |
| LILRA6 | 0.2416289 | 0.2345253 | 1.0303 | 0.303 | 0.296716331 | count | 1 |
| BTF3 | 0.206324 | 0.0308257 | 6.6932 | 2.70E-11 | 0.29674352 | count | 6.51E-07 |
| AFDN | 0.2427261 | 0.2613803 | 0.9286 | 0.353 | 0.296780239 | count | 1 |
| MYD88 | 0.2133913 | 0.1073031 | 1.9887 | 0.0468 | 0.296850167 | count | 1 |
| CYREN | 0.240784 | 0.3056508 | 0.7878 | 0.431 | 0.296894664 | count | 1 |
| ZNF514 | 0.3576553 | 0.4709012 | 0.7595 | 0.448 | 0.296900962 | count | 1 |
| DNAJA4 | 0.3415091 | 0.4868384 | 0.7015 | 0.483 | 0.296950706 | count | 1 |
| DDX1 | 0.2248094 | 0.158011 | 1.4227 | 0.155 | 0.297054443 | count | 1 |
| PHYKPL | 0.2219647 | 0.1484764 | 1.4949 | 0.135 | 0.297071606 | count | 1 |
| PARVG | 0.2127194 | 0.0965735 | 2.2027 | 0.0277 | 0.297128509 | count | 1 |
| AC010969.2 | 0.4978255 | 0.7156596 | 0.6956 | 0.487 | 0.297384242 | count | 1 |

| | | | | | | | |
|----------------|-----------|-----------|--------|---------|-------------|-------|---|
| AIP | 0.2149974 | 0.115264 | 1.8653 | 0.0623 | 0.297637494 | count | 1 |
| MLX | 0.2142701 | 0.110617 | 1.937 | 0.0529 | 0.297711948 | count | 1 |
| CYB561D1 | 0.5365475 | 0.6336728 | 0.8467 | 0.397 | 0.297823373 | count | 1 |
| ZNF222 | 0.5365475 | 0.5985531 | 0.8964 | 0.37 | 0.297823373 | count | 1 |
| 5-Mar | 0.2285297 | 0.2028937 | 1.1264 | 0.26 | 0.297865363 | count | 1 |
| ARID2 | 0.254873 | 0.2373899 | 1.0736 | 0.283 | 0.297880726 | count | 1 |
| PISD | 0.2781101 | 0.2211905 | 1.2573 | 0.209 | 0.298148721 | count | 1 |
| DHX36 | 0.212689 | 0.09416 | 2.2588 | 0.024 | 0.298179271 | count | 1 |
| EIF3M | 0.210481 | 0.0667778 | 3.152 | 0.00164 | 0.298331067 | count | 1 |
| TWNK | 0.5376023 | 0.6905407 | 0.7785 | 0.436 | 0.298461343 | count | 1 |
| AC007728.2 | 0.5376023 | 0.6905407 | 0.7785 | 0.436 | 0.298461343 | count | 1 |
| LY86-AS1 | 0.5873935 | 0.6963836 | 0.8435 | 0.399 | 0.298536111 | count | 1 |
| FAM124A | 0.5873935 | 0.6963836 | 0.8435 | 0.399 | 0.298536111 | count | 1 |
| KIF17 | 1.1900084 | 1.1003261 | 1.0815 | 0.28 | 0.298552578 | count | 1 |
| STIL | 1.1900084 | 1.1036536 | 1.0782 | 0.281 | 0.298552578 | count | 1 |
| AL360270.3 | 1.1900084 | 1.0729548 | 1.1091 | 0.267 | 0.298552578 | count | 1 |
| PRPF40B | 1.1900084 | 1.072572 | 1.1095 | 0.267 | 0.298552578 | count | 1 |
| PAGR1 | 1.1900084 | 1.0029742 | 1.1865 | 0.236 | 0.298552578 | count | 1 |
| USP6 | 1.1900084 | 1.0029742 | 1.1865 | 0.236 | 0.298552578 | count | 1 |
| MRPL38 | 1.1900084 | 0.9690911 | 1.228 | 0.22 | 0.298552578 | count | 1 |
| RPL17-C18orf32 | 1.1900084 | 1.0029742 | 1.1865 | 0.236 | 0.298552578 | count | 1 |
| BACH1-AS1 | 1.1900084 | 1.0029742 | 1.1865 | 0.236 | 0.298552578 | count | 1 |
| EXOSC4 | 0.2195865 | 0.1561778 | 1.406 | 0.16 | 0.2986631 | count | 1 |
| AC005076.1 | 0.445141 | 0.4828858 | 0.9218 | 0.357 | 0.298712075 | count | 1 |
| C16orf95 | 1.971816 | 1.284072 | 1.5356 | 0.125 | 0.29906966 | count | 1 |
| KLHL22 | 0.3601965 | 0.5549076 | 0.6491 | 0.516 | 0.299103322 | count | 1 |
| RAB11B | 0.2217655 | 0.1568966 | 1.4135 | 0.158 | 0.29912513 | count | 1 |
| ARRDC1-AS1 | 0.2718084 | 0.3699875 | 0.7346 | 0.463 | 0.299138302 | count | 1 |
| G6PC3 | 0.2441838 | 0.2128922 | 1.147 | 0.252 | 0.299242948 | count | 1 |
| MX2 | 0.2123701 | 0.1036679 | 2.0486 | 0.0406 | 0.299354802 | count | 1 |
| NBN | 0.2217822 | 0.1359323 | 1.6316 | 0.103 | 0.299578367 | count | 1 |
| USP30 | 0.4091245 | 0.5280956 | 0.7747 | 0.439 | 0.299815063 | count | 1 |
| BRAF | 0.2392712 | 0.2019038 | 1.1851 | 0.236 | 0.299851114 | count | 1 |
| AL008729.1 | 0.9103129 | 0.7160616 | 1.2713 | 0.204 | 0.300215999 | count | 1 |
| AC007228.2 | 0.9103129 | 1.0578546 | 0.8605 | 0.39 | 0.300215999 | count | 1 |
| FAM189B | 0.3263725 | 0.416994 | 0.7827 | 0.434 | 0.300351624 | count | 1 |
| DHFR | 0.3263725 | 0.4179895 | 0.7808 | 0.435 | 0.300351624 | count | 1 |
| PRKCE | 0.427032 | 0.4331534 | 0.9859 | 0.324 | 0.30036573 | count | 1 |
| CSGALNACT2 | 0.216194 | 0.1032349 | 2.0942 | 0.0363 | 0.300425758 | count | 1 |
| MCM6 | 0.3322022 | 0.4480002 | 0.7415 | 0.458 | 0.300480722 | count | 1 |
| AC004812.2 | 0.3322022 | 0.4113458 | 0.8076 | 0.419 | 0.300480722 | count | 1 |
| AK3 | 0.2470068 | 0.2447727 | 1.0091 | 0.313 | 0.300685684 | count | 1 |
| ZMYND8 | 0.2424631 | 0.2129056 | 1.1388 | 0.255 | 0.300733131 | count | 1 |
| PEPD | 0.2134245 | 0.0801969 | 2.6613 | 0.00784 | 0.300803672 | count | 1 |
| SOCS5 | 0.3086295 | 0.3668563 | 0.8413 | 0.4 | 0.300956204 | count | 1 |

| | | | | | | | |
|--------------|-----------|-----------|--------|----------|-------------|-------|----------|
| PICALM | 0.2163433 | 0.1039408 | 2.0814 | 0.0375 | 0.301125338 | count | 1 |
| SLC25A17 | 0.3463067 | 0.4393756 | 0.7882 | 0.431 | 0.301288124 | count | 1 |
| KRI1 | 0.3090116 | 0.3726672 | 0.8292 | 0.407 | 0.301339682 | count | 1 |
| FUT11 | 0.2738483 | 0.3796666 | 0.7213 | 0.471 | 0.30142624 | count | 1 |
| ZRANB2 | 0.217812 | 0.1128907 | 1.9294 | 0.0538 | 0.301460538 | count | 1 |
| AP3M1 | 0.2501737 | 0.3247355 | 0.7704 | 0.441 | 0.301550763 | count | 1 |
| RWDD4 | 0.2234104 | 0.1546408 | 1.4447 | 0.149 | 0.30168033 | count | 1 |
| HHEX | 0.2348378 | 0.1762005 | 1.3328 | 0.183 | 0.301781449 | count | 1 |
| ZNF3 | 0.3732027 | 0.5712434 | 0.6533 | 0.514 | 0.301894468 | count | 1 |
| SEMA4B | 0.3732027 | 0.5160564 | 0.7232 | 0.47 | 0.301894468 | count | 1 |
| RPL35A | 0.2096118 | 0.0252984 | 8.2856 | 1.91E-16 | 0.301967832 | count | 4.62E-12 |
| SPOP | 0.2256593 | 0.1455458 | 1.5504 | 0.121 | 0.302040417 | count | 1 |
| MORN1 | 0.6618333 | 0.9444299 | 0.7008 | 0.484 | 0.302063036 | count | 1 |
| AL133551.1 | 0.6618333 | 1.145342 | 0.5778 | 0.563 | 0.302063036 | count | 1 |
| AC116667.2 | 0.6618333 | 1.0189528 | 0.6495 | 0.516 | 0.302063036 | count | 1 |
| LINC01431 | 0.6618333 | 1.145342 | 0.5778 | 0.563 | 0.302063036 | count | 1 |
| IER5L | 0.2181666 | 0.140432 | 1.5535 | 0.12 | 0.302119127 | count | 1 |
| ZHX1-C8orf76 | 0.4747123 | 0.6142892 | 0.7728 | 0.44 | 0.302152532 | count | 1 |
| ZNF468 | 0.3974653 | 0.5562475 | 0.7145 | 0.475 | 0.302218221 | count | 1 |
| HDAC5 | 0.2455665 | 0.1968886 | 1.2472 | 0.212 | 0.302236584 | count | 1 |
| FANCB | 0.373697 | 0.4407096 | 0.8479 | 0.397 | 0.302313096 | count | 1 |
| NIPSNAP2 | 0.2164193 | 0.1052806 | 2.0556 | 0.0399 | 0.302383231 | count | 1 |
| CTSC | 0.2110961 | 0.0697035 | 3.0285 | 0.00248 | 0.302446187 | count | 1 |
| RBM45 | 0.3287284 | 0.362024 | 0.908 | 0.364 | 0.302594531 | count | 1 |
| POLR2J3 | 0.2180542 | 0.2078912 | 1.0489 | 0.294 | 0.302734201 | count | 1 |
| LTBR | 0.2221516 | 0.144525 | 1.5371 | 0.124 | 0.302978602 | count | 1 |
| CRLS1 | 0.2348343 | 0.1853771 | 1.2668 | 0.205 | 0.303049902 | count | 1 |
| PHKG2 | 0.2302944 | 0.1976352 | 1.1653 | 0.244 | 0.303150996 | count | 1 |
| HOXB4 | 0.9181805 | 0.6279281 | 1.4622 | 0.144 | 0.303225419 | count | 1 |
| PLAA | 0.3072222 | 0.3435198 | 0.8943 | 0.371 | 0.30331958 | count | 1 |
| UBR1 | 0.3195572 | 0.3099861 | 1.0309 | 0.303 | 0.30341703 | count | 1 |
| UNC119B | 0.5072168 | 0.6716764 | 0.7552 | 0.45 | 0.303451565 | count | 1 |
| STMN3 | 0.5072168 | 0.6098504 | 0.8317 | 0.406 | 0.303451565 | count | 1 |
| TGDS | 0.2791175 | 0.3061801 | 0.9116 | 0.362 | 0.303459712 | count | 1 |
| LRRRC41 | 0.252425 | 0.2253439 | 1.1202 | 0.263 | 0.30348037 | count | 1 |
| IKBKG | 0.240343 | 0.1895081 | 1.2682 | 0.205 | 0.303523065 | count | 1 |
| TPRA1 | 0.230307 | 0.2428993 | 0.9482 | 0.343 | 0.30357651 | count | 1 |
| CUL4A | 0.2355317 | 0.2339861 | 1.0066 | 0.314 | 0.303645692 | count | 1 |
| BCL7B | 0.2218188 | 0.1279791 | 1.7332 | 0.0832 | 0.303682736 | count | 1 |
| CERS2 | 0.230408 | 0.1746263 | 1.3194 | 0.187 | 0.303710431 | count | 1 |
| AC007336.1 | 0.3299167 | 0.3771702 | 0.8747 | 0.382 | 0.303726198 | count | 1 |
| ING3 | 0.2415825 | 0.1927639 | 1.2533 | 0.21 | 0.30373519 | count | 1 |
| QTRT1 | 0.2673722 | 0.2567131 | 1.0415 | 0.298 | 0.303770513 | count | 1 |
| BRWD3 | 0.2813099 | 0.2471484 | 1.1382 | 0.255 | 0.303815916 | count | 1 |
| TCTA | 0.2550262 | 0.3514831 | 0.7256 | 0.468 | 0.304029875 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|------------|
| C12orf57 | 0.2178853 | 0.1406166 | 1.5495 | 0.121 | 0.304255332 | count | 1 |
| FAM69A | 2.00335 | 1.349064 | 1.485 | 0.138 | 0.304297228 | count | 1 |
| AL450384.2 | 2.00335 | 1.382159 | 1.4494 | 0.147 | 0.304297228 | count | 1 |
| DELE1 | 0.2485577 | 0.1921704 | 1.2934 | 0.196 | 0.304662503 | count | 1 |
| NIT1 | 0.2337558 | 0.1783404 | 1.3107 | 0.19 | 0.304722773 | count | 1 |
| A1BG | 0.2288817 | 0.1551307 | 1.4754 | 0.14 | 0.304729519 | count | 1 |
| PAPOLG | 0.3124917 | 0.2826835 | 1.1054 | 0.269 | 0.304833425 | count | 1 |
| AC243829.4 | 0.4537019 | 0.4376502 | 1.0367 | 0.3 | 0.304846093 | count | 1 |
| TSPYL5 | 0.7663487 | 0.5266192 | 1.4552 | 0.146 | 0.304887486 | count | 1 |
| CDS2 | 0.2299536 | 0.1934828 | 1.1885 | 0.235 | 0.305162869 | count | 1 |
| DECR1 | 0.2179865 | 0.0873081 | 2.4967 | 0.0126 | 0.305172473 | count | 1 |
| ZNF43 | 0.3056033 | 0.4666803 | 0.6548 | 0.513 | 0.305240161 | count | 1 |
| DIP2C | 1.2126473 | 0.6715856 | 1.8056 | 0.0711 | 0.305278533 | count | 1 |
| AASDH | 0.2616181 | 0.3015631 | 0.8675 | 0.386 | 0.305879642 | count | 1 |
| SUMO4 | 0.4346305 | 0.4618423 | 0.9411 | 0.347 | 0.306044571 | count | 1 |
| YTHDF3 | 0.229243 | 0.1525212 | 1.503 | 0.133 | 0.306138983 | count | 1 |
| ITM2B | 0.2125824 | 0.0374216 | 5.6807 | 1.50E-08 | 0.30627076 | count | 0.00035964 |
| TRMT10B | 0.2922937 | 0.2738515 | 1.0673 | 0.286 | 0.306343426 | count | 1 |
| SPRYD3 | 0.2922937 | 0.2769084 | 1.0556 | 0.291 | 0.306343426 | count | 1 |
| AC018647.2 | 0.3787011 | 0.5227992 | 0.7244 | 0.469 | 0.306553557 | count | 1 |
| ARID3A | 0.2352764 | 0.1773547 | 1.3266 | 0.185 | 0.306718364 | count | 1 |
| INTS14 | 0.2952276 | 0.3369432 | 0.8762 | 0.381 | 0.306789484 | count | 1 |
| HEXIM2 | 0.5127064 | 0.5599305 | 0.9157 | 0.36 | 0.307004825 | count | 1 |
| DDX3X | 0.2155315 | 0.0576805 | 3.7366 | 0.000191 | 0.307090507 | count | 1 |
| ITFG1 | 0.2391993 | 0.2005996 | 1.1924 | 0.233 | 0.307091327 | count | 1 |
| GOLGB1 | 0.2195204 | 0.1058429 | 2.074 | 0.0382 | 0.307116869 | count | 1 |
| SPDYA | 0.7713801 | 0.7265483 | 1.0617 | 0.288 | 0.307161992 | count | 1 |
| MSX2 | 0.7713801 | 0.7265483 | 1.0617 | 0.288 | 0.307161992 | count | 1 |
| KIFC1 | 0.7713801 | 0.7129038 | 1.082 | 0.279 | 0.307161992 | count | 1 |
| SCML2 | 0.7713801 | 0.8986348 | 0.8584 | 0.391 | 0.307161992 | count | 1 |
| C19orf73 | 0.4820775 | 0.9426843 | 0.5114 | 0.609 | 0.307189134 | count | 1 |
| RNLS | 0.5130606 | 0.5174062 | 0.9916 | 0.321 | 0.307234251 | count | 1 |
| WDR24 | 0.5130606 | 0.6516971 | 0.7873 | 0.431 | 0.307234251 | count | 1 |
| CDK5RAP2 | 0.2407127 | 0.2141349 | 1.1241 | 0.261 | 0.307251475 | count | 1 |
| LTN1 | 0.2423101 | 0.2167825 | 1.1178 | 0.264 | 0.307319347 | count | 1 |
| FBXL6 | 0.27047 | 0.2670066 | 1.013 | 0.311 | 0.307349529 | count | 1 |
| TRIM65 | 0.3698243 | 0.3312766 | 1.1164 | 0.264 | 0.307457737 | count | 1 |
| AL078459.1 | 0.7722208 | 0.6758913 | 1.1425 | 0.253 | 0.30754231 | count | 1 |
| C9orf106 | 0.7726871 | 0.609279 | 1.2682 | 0.205 | 0.307753301 | count | 1 |
| KDM4A | 0.3241803 | 0.3304705 | 0.981 | 0.327 | 0.307947657 | count | 1 |
| SRPK2 | 0.2271746 | 0.1254546 | 1.8108 | 0.0703 | 0.30820724 | count | 1 |
| SPSB2 | 0.3158787 | 0.3347862 | 0.9435 | 0.346 | 0.308235593 | count | 1 |
| TLDC1 | 0.4049909 | 0.4772685 | 0.8486 | 0.396 | 0.308250812 | count | 1 |
| C9orf85 | 0.2451741 | 0.2730318 | 0.898 | 0.369 | 0.30829293 | count | 1 |
| GOLT1B | 0.2400916 | 0.2180189 | 1.1012 | 0.271 | 0.308585421 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-----------|
| TET3 | 0.2648756 | 0.239086 | 1.1079 | 0.268 | 0.30859932 | count | 1 |
| PLPBP | 0.2335557 | 0.1741197 | 1.3414 | 0.18 | 0.308870825 | count | 1 |
| EHBP1L1 | 0.228343 | 0.1444847 | 1.5804 | 0.114 | 0.308903546 | count | 1 |
| RBM39 | 0.2171795 | 0.0509685 | 4.2611 | 2.11E-05 | 0.308958007 | count | 0.4989095 |
| MED17 | 0.3354815 | 0.401668 | 0.8352 | 0.404 | 0.309028942 | count | 1 |
| TMEM79 | 2.0324637 | 1.33726 | 1.5199 | 0.129 | 0.309091337 | count | 1 |
| TMTC1 | 2.0324637 | 0.9738479 | 2.087 | 0.037 | 0.309091337 | count | 1 |
| ARRB2 | 0.2167282 | 0.0568914 | 3.8095 | 0.000143 | 0.309238546 | count | 1 |
| NEDD4L | 0.2722637 | 0.3172202 | 0.8583 | 0.391 | 0.309422409 | count | 1 |
| APOBEC3G | 0.2380114 | 0.1527886 | 1.5578 | 0.119 | 0.309509982 | count | 1 |
| TAF7 | 0.2225755 | 0.0989333 | 2.2498 | 0.0246 | 0.309787784 | count | 1 |
| UROS | 0.232588 | 0.2042236 | 1.1389 | 0.255 | 0.309851624 | count | 1 |
| SLC25A37 | 0.2187952 | 0.1213423 | 1.8031 | 0.0715 | 0.310025013 | count | 1 |
| MED25 | 0.2572908 | 0.2524366 | 1.0192 | 0.308 | 0.310236632 | count | 1 |
| N4BP2L1 | 0.2446526 | 0.1597442 | 1.5315 | 0.126 | 0.310316299 | count | 1 |
| RSAD2 | 0.2653685 | 0.3803542 | 0.6977 | 0.485 | 0.310329461 | count | 1 |
| CALM2 | 0.2159884 | 0.0347945 | 6.2075 | 6.30E-10 | 0.310526814 | count | 1.52E-05 |
| ZNF567 | 0.3644607 | 0.351702 | 1.0363 | 0.3 | 0.310528481 | count | 1 |
| OPRL1 | 0.4406788 | 0.4474295 | 0.9849 | 0.325 | 0.310572029 | count | 1 |
| SYNRG | 0.2398398 | 0.167538 | 1.4316 | 0.152 | 0.310770079 | count | 1 |
| TGFBR1 | 0.2334064 | 0.1728585 | 1.3503 | 0.177 | 0.310785817 | count | 1 |
| NUDT2 | 0.2564417 | 0.2085313 | 1.2298 | 0.219 | 0.310794174 | count | 1 |
| CNOT4 | 0.2289726 | 0.138077 | 1.6583 | 0.0974 | 0.311030736 | count | 1 |
| CENPBD1 | 0.2824815 | 0.3499459 | 0.8072 | 0.42 | 0.311115434 | count | 1 |
| AIFM3 | 0.3842024 | 0.6309063 | 0.609 | 0.543 | 0.311220444 | count | 1 |
| CLEC1A | 0.4882519 | 0.5385786 | 0.9066 | 0.365 | 0.31141843 | count | 1 |
| PPP1R15A | 0.2173263 | 0.05753 | 3.7776 | 0.000162 | 0.311438486 | count | 1 |
| XIAP | 0.2287002 | 0.156736 | 1.4591 | 0.145 | 0.311534494 | count | 1 |
| RPH3A | 0.7814065 | 0.6171011 | 1.2663 | 0.206 | 0.31170263 | count | 1 |
| AL136295.5 | 0.4633872 | 0.4147041 | 1.1174 | 0.264 | 0.311800943 | count | 1 |
| PDS5A | 0.2407155 | 0.1951721 | 1.2333 | 0.218 | 0.311912986 | count | 1 |
| IER3-AS1 | 0.385126 | 0.4525982 | 0.8509 | 0.395 | 0.312004492 | count | 1 |
| MIS18A | 0.3001769 | 0.3348241 | 0.8965 | 0.37 | 0.312058457 | count | 1 |
| YKT6 | 0.2507648 | 0.2415883 | 1.038 | 0.299 | 0.312271648 | count | 1 |
| PXN | 0.2512185 | 0.2432532 | 1.0327 | 0.302 | 0.312280506 | count | 1 |
| PRR34-AS1 | 0.2488586 | 0.2313113 | 1.0759 | 0.282 | 0.312481116 | count | 1 |
| LIPT1 | 0.2980822 | 0.3589518 | 0.8304 | 0.406 | 0.312554402 | count | 1 |
| BAHCC1 | 0.6825945 | 0.5651148 | 1.2079 | 0.227 | 0.312668191 | count | 1 |
| LINC02453 | 0.7835436 | 0.6485857 | 1.2081 | 0.227 | 0.31267184 | count | 1 |
| TRIM14 | 0.2415388 | 0.2007397 | 1.2032 | 0.229 | 0.312690144 | count | 1 |
| GOLGA7 | 0.2261588 | 0.1048049 | 2.1579 | 0.031 | 0.312731826 | count | 1 |
| EEA1 | 0.224746 | 0.0954136 | 2.3555 | 0.0186 | 0.31288089 | count | 1 |
| NCOA6 | 0.2766682 | 0.2763762 | 1.0011 | 0.317 | 0.313007402 | count | 1 |
| TOB1 | 0.2259512 | 0.1136677 | 1.9878 | 0.0469 | 0.31301273 | count | 1 |
| ZXDB | 1.2387731 | 0.7454011 | 1.6619 | 0.0967 | 0.31306114 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|--------------|-------|----------|
| ZBTB38 | 0.2326979 | 0.1534753 | 1.5162 | 0.13 | 0.313224754 | count | 1 |
| FGD5 | 2.059534 | 1.326399 | 1.5527 | 0.121 | 0.313519798 | count | 1 |
| GLIPR1L2 | 2.059534 | 1.473036 | 1.3982 | 0.162 | 0.313519798 | count | 1 |
| TMEM38A | 2.059534 | 1.326399 | 1.5527 | 0.121 | 0.313519798 | count | 1 |
| CAPS | 0.3985148 | 0.5334379 | 0.7471 | 0.455 | 0.313618642 | count | 1 |
| EXOC3-AS1 | 0.3402962 | 0.4247 | 0.8013 | 0.423 | 0.31362111 | count | 1 |
| P2RY6 | 0.2552875 | 0.2330209 | 1.0956 | 0.273 | 0.31367711 | count | 1 |
| CALHM2 | 0.2427686 | 0.1838914 | 1.3202 | 0.187 | 0.313990048 | count | 1 |
| ASNSD1 | 0.2428159 | 0.2198679 | 1.1044 | 0.27 | 0.314051679 | count | 1 |
| AF064858.1 | 0.4921884 | 0.5398051 | 0.9118 | 0.362 | 0.3141118116 | count | 1 |
| ARHGAP15 | 0.2452763 | 0.1788476 | 1.3714 | 0.17 | 0.314243437 | count | 1 |
| PDIK1L | 0.4456637 | 0.5000275 | 0.8913 | 0.373 | 0.314308257 | count | 1 |
| SUFU | 0.3687592 | 0.3511024 | 1.0503 | 0.294 | 0.314348708 | count | 1 |
| SCAF8 | 0.2708093 | 0.3210244 | 0.8436 | 0.399 | 0.314411012 | count | 1 |
| RNF8 | 0.2472895 | 0.2493434 | 0.9918 | 0.321 | 0.314524561 | count | 1 |
| NAAA | 0.2259853 | 0.103315 | 2.1873 | 0.0288 | 0.314577647 | count | 1 |
| RPL32 | 0.2182488 | 0.0226869 | 9.62 | 1.57E-21 | 0.314605921 | count | 3.81E-17 |
| IQCE | 0.2781262 | 0.3105438 | 0.8956 | 0.371 | 0.314685876 | count | 1 |
| AC124242.1 | 1.244387 | 0.7472563 | 1.6653 | 0.096 | 0.314736063 | count | 1 |
| TMEM187 | 0.2768777 | 0.3416976 | 0.8103 | 0.418 | 0.314756396 | count | 1 |
| GOPC | 0.2352998 | 0.135026 | 1.7426 | 0.0815 | 0.315009045 | count | 1 |
| NHS | 0.5251707 | 0.5302905 | 0.9903 | 0.322 | 0.315090621 | count | 1 |
| MRPL37 | 0.23347 | 0.1510753 | 1.5454 | 0.122 | 0.315098485 | count | 1 |
| SEC31A | 0.2283402 | 0.1217112 | 1.8761 | 0.0608 | 0.315229813 | count | 1 |
| KLF6 | 0.2192138 | 0.0604299 | 3.6276 | 0.000292 | 0.315279783 | count | 1 |
| POLR2B | 0.2383842 | 0.1504333 | 1.5847 | 0.113 | 0.315293904 | count | 1 |
| NR3C1 | 0.2250111 | 0.0884948 | 2.5426 | 0.0111 | 0.315316656 | count | 1 |
| RNF168 | 0.2286159 | 0.1699868 | 1.3449 | 0.179 | 0.315561555 | count | 1 |
| ASRGL1 | 0.2526149 | 0.2110775 | 1.1968 | 0.232 | 0.315691464 | count | 1 |
| AP5Z1 | 0.2681922 | 0.2679332 | 1.001 | 0.317 | 0.315893459 | count | 1 |
| MOSMO | 0.2648897 | 0.3234953 | 0.8188 | 0.413 | 0.315947762 | count | 1 |
| SLC25A10 | 0.790874 | 0.8946774 | 0.884 | 0.377 | 0.315999798 | count | 1 |
| CRLF3 | 0.2382239 | 0.1783756 | 1.3355 | 0.182 | 0.316019652 | count | 1 |
| CSNK1G1 | 0.2967522 | 0.338812 | 0.8759 | 0.381 | 0.316202821 | count | 1 |
| THOC3 | 0.2781586 | 0.2807377 | 0.9908 | 0.322 | 0.316237644 | count | 1 |
| PHLPP1 | 0.6189683 | 0.5772932 | 1.0722 | 0.284 | 0.316277358 | count | 1 |
| COQ4 | 0.2404352 | 0.218536 | 1.1002 | 0.271 | 0.316365681 | count | 1 |
| ZNF283 | 0.4487246 | 0.5951566 | 0.754 | 0.451 | 0.316604536 | count | 1 |
| MIER1 | 0.2274669 | 0.1120181 | 2.0306 | 0.0424 | 0.316611978 | count | 1 |
| MFN2 | 0.3244478 | 0.3299037 | 0.9835 | 0.325 | 0.316851279 | count | 1 |
| AC138150.1 | 0.3205384 | 0.6070424 | 0.528 | 0.598 | 0.316852292 | count | 1 |
| KIFAP3 | 0.2585121 | 0.2016139 | 1.2822 | 0.2 | 0.317003527 | count | 1 |
| ALPK1 | 0.2591587 | 0.2357876 | 1.0991 | 0.272 | 0.317106501 | count | 1 |
| NACA | 0.220094 | 0.0256585 | 8.5778 | 1.69E-17 | 0.317127361 | count | 4.09E-13 |
| ITM2A | 0.6205107 | 0.6899061 | 0.8994 | 0.369 | 0.317147625 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|---------|-------------|-------|---|
| AC111182.1 | 0.6205107 | 0.661338 | 0.9383 | 0.348 | 0.317147625 | count | 1 |
| JAML | 0.2265601 | 0.0778296 | 2.911 | 0.00364 | 0.317199076 | count | 1 |
| SPIDR | 0.2460199 | 0.2166105 | 1.1358 | 0.256 | 0.317271571 | count | 1 |
| RMI2 | 0.6917276 | 0.7162816 | 0.9657 | 0.334 | 0.317350808 | count | 1 |
| SRSF4 | 0.2306275 | 0.1144416 | 2.0152 | 0.044 | 0.317432038 | count | 1 |
| NDUFS2 | 0.2301031 | 0.1088312 | 2.1143 | 0.0346 | 0.317467401 | count | 1 |
| TIA1 | 0.2632527 | 0.222051 | 1.1856 | 0.236 | 0.317516681 | count | 1 |
| USP30-AS1 | 0.955506 | 0.5162273 | 1.8509 | 0.0643 | 0.317567757 | count | 1 |
| MEST | 0.4321562 | 0.5259573 | 0.8217 | 0.411 | 0.317701778 | count | 1 |
| DCTN4 | 0.2466507 | 0.2117794 | 1.1647 | 0.244 | 0.317760996 | count | 1 |
| RFC5 | 0.4503002 | 0.4515342 | 0.9973 | 0.319 | 0.317787172 | count | 1 |
| SYNE2 | 0.3342108 | 0.681531 | 0.4904 | 0.624 | 0.317789617 | count | 1 |
| SMC1A | 0.2314353 | 0.1213462 | 1.9072 | 0.0566 | 0.317826291 | count | 1 |
| L3HYPDH | 0.3178574 | 0.3655466 | 0.8695 | 0.385 | 0.317826762 | count | 1 |
| PRKAA1 | 0.2444482 | 0.21703 | 1.1263 | 0.26 | 0.317939967 | count | 1 |
| IMPAD1 | 0.246334 | 0.1906985 | 1.2917 | 0.197 | 0.318004019 | count | 1 |
| TANGO6 | 0.4041603 | 0.3941585 | 1.0254 | 0.305 | 0.318291578 | count | 1 |
| MFSD14A | 1.2569057 | 0.8647305 | 1.4535 | 0.146 | 0.318474428 | count | 1 |
| VWCE | 1.2569057 | 0.8647305 | 1.4535 | 0.146 | 0.318474428 | count | 1 |
| AC011511.1 | 1.2569057 | 0.9321136 | 1.3484 | 0.178 | 0.318474428 | count | 1 |
| AL021707.7 | 1.2569057 | 0.8647305 | 1.4535 | 0.146 | 0.318474428 | count | 1 |
| SLC36A4 | 0.2417773 | 0.1551933 | 1.5579 | 0.119 | 0.318576796 | count | 1 |
| LPCAT4 | 0.3222508 | 0.4654666 | 0.6923 | 0.489 | 0.318594557 | count | 1 |
| FGD6 | 0.2714183 | 0.2608258 | 1.0406 | 0.298 | 0.318646998 | count | 1 |
| LINC02158 | 0.38288 | 0.5194319 | 0.7371 | 0.461 | 0.318812612 | count | 1 |
| COPA | 0.2314312 | 0.1196278 | 1.9346 | 0.0532 | 0.31882341 | count | 1 |
| MTO1 | 0.3586291 | 0.3762406 | 0.9532 | 0.341 | 0.319082734 | count | 1 |
| GEMIN7 | 0.2737984 | 0.287004 | 0.954 | 0.34 | 0.31915552 | count | 1 |
| MCCC2 | 0.3228526 | 0.3411632 | 0.9463 | 0.344 | 0.319206966 | count | 1 |
| NAXD | 0.3521788 | 0.3677298 | 0.9577 | 0.338 | 0.319232502 | count | 1 |
| CHST15 | 0.2408389 | 0.1831286 | 1.3151 | 0.189 | 0.319323734 | count | 1 |
| TOMM40L | 0.2934132 | 0.3686567 | 0.7959 | 0.426 | 0.319330157 | count | 1 |
| ZNF660 | 0.9606819 | 0.7463346 | 1.2872 | 0.198 | 0.319564819 | count | 1 |
| DEPDC4 | 2.0968086 | 1.2495184 | 1.6781 | 0.0935 | 0.319568373 | count | 1 |
| KDM6B | 0.2298069 | 0.1157292 | 1.9857 | 0.0472 | 0.319603446 | count | 1 |
| C7orf26 | 0.2978481 | 0.3205645 | 0.9291 | 0.353 | 0.319781584 | count | 1 |
| L3MBTL4 | 0.500746 | 0.4993817 | 1.0027 | 0.316 | 0.31999584 | count | 1 |
| LUC7L | 0.2438268 | 0.170945 | 1.4263 | 0.154 | 0.320406261 | count | 1 |
| WDFY2 | 0.2483145 | 0.1950168 | 1.2733 | 0.203 | 0.320580387 | count | 1 |
| DCAF8 | 0.2668109 | 0.2732976 | 0.9763 | 0.329 | 0.32100188 | count | 1 |
| TMED7 | 0.2420008 | 0.1617062 | 1.4965 | 0.135 | 0.321241868 | count | 1 |
| MYH9 | 0.230879 | 0.0999745 | 2.3094 | 0.021 | 0.321538015 | count | 1 |
| DHCR24 | 2.1090641 | 1.429207 | 1.4757 | 0.14 | 0.321544289 | count | 1 |
| RBM5-AS1 | 2.1090641 | 1.429207 | 1.4757 | 0.14 | 0.321544289 | count | 1 |
| RPUSD4 | 0.3253194 | 0.3994619 | 0.8144 | 0.415 | 0.321717844 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|---|
| SEC23B | 0.2547336 | 0.2164396 | 1.1769 | 0.239 | 0.321866561 | count | 1 |
| PIGO | 0.3434721 | 0.3456007 | 0.9938 | 0.32 | 0.321922876 | count | 1 |
| BAIAP2-DT | 0.3184173 | 0.3120799 | 1.0203 | 0.308 | 0.321924604 | count | 1 |
| TBC1D10B | 0.2676205 | 0.215287 | 1.2431 | 0.214 | 0.321988574 | count | 1 |
| GABPB2 | 0.2844712 | 0.3585931 | 0.7933 | 0.428 | 0.321993424 | count | 1 |
| PRUNE1 | 0.5038476 | 0.685332 | 0.7352 | 0.462 | 0.322129103 | count | 1 |
| GID4 | 0.3222205 | 0.3192965 | 1.0092 | 0.313 | 0.322313894 | count | 1 |
| FKBPL | 0.3048347 | 0.3235083 | 0.9423 | 0.346 | 0.322467776 | count | 1 |
| SLC51A | 0.7020186 | 0.7275822 | 0.9649 | 0.335 | 0.322639501 | count | 1 |
| AC008494.3 | 0.7020186 | 0.8081481 | 0.8687 | 0.385 | 0.322639501 | count | 1 |
| EBPL | 0.2420957 | 0.1812869 | 1.3354 | 0.182 | 0.322752428 | count | 1 |
| UBR3 | 0.2930758 | 0.2978291 | 0.984 | 0.325 | 0.32301923 | count | 1 |
| CEP192 | 0.3133183 | 0.3061126 | 1.0235 | 0.306 | 0.323070462 | count | 1 |
| CARD11 | 0.47904 | 0.6839192 | 0.7004 | 0.484 | 0.323074561 | count | 1 |
| POC1A | 0.4574524 | 0.5148233 | 0.8886 | 0.374 | 0.323160905 | count | 1 |
| NOSIP | 0.2336911 | 0.1243919 | 1.8787 | 0.0604 | 0.323224308 | count | 1 |
| NBR1 | 0.2545126 | 0.1606244 | 1.5845 | 0.113 | 0.323368526 | count | 1 |
| DUS1L | 0.2419083 | 0.1591205 | 1.5203 | 0.129 | 0.323753409 | count | 1 |
| SREK1 | 0.2413189 | 0.1507483 | 1.6008 | 0.11 | 0.323822687 | count | 1 |
| ZDHHC17 | 0.2758232 | 0.2656961 | 1.0381 | 0.299 | 0.323895945 | count | 1 |
| FEM1B | 0.2574655 | 0.1995349 | 1.2903 | 0.197 | 0.323898904 | count | 1 |
| SLC25A51 | 0.3141378 | 0.3826962 | 0.8209 | 0.412 | 0.323937319 | count | 1 |
| RNF4 | 0.2614844 | 0.2057008 | 1.2712 | 0.204 | 0.323969522 | count | 1 |
| CYB5R2 | 0.9721001 | 0.803167 | 1.2103 | 0.226 | 0.323977111 | count | 1 |
| LINC01537 | 0.9721001 | 1.0243929 | 0.949 | 0.343 | 0.323977111 | count | 1 |
| GAS6-DT | 0.9721001 | 0.8323758 | 1.1679 | 0.243 | 0.323977111 | count | 1 |
| SAMD15 | 0.9721001 | 0.803167 | 1.2103 | 0.226 | 0.323977111 | count | 1 |
| OTUD7A | 0.9721001 | 0.9429096 | 1.031 | 0.303 | 0.323977111 | count | 1 |
| COL1A1 | 0.9721001 | 0.9249416 | 1.051 | 0.293 | 0.323977111 | count | 1 |
| LINC01597 | 0.9721001 | 0.8522975 | 1.1406 | 0.254 | 0.323977111 | count | 1 |
| HMG20A | 0.3088776 | 0.3061646 | 1.0089 | 0.313 | 0.324150783 | count | 1 |
| MT-ND4L | 0.22755 | 0.0676733 | 3.3625 | 0.000784 | 0.324362829 | count | 1 |
| AIFM1 | 0.2792496 | 0.2246583 | 1.243 | 0.214 | 0.324366241 | count | 1 |
| TTI1 | 0.3999823 | 0.3988286 | 1.0029 | 0.316 | 0.324636211 | count | 1 |
| NSL1 | 0.2363329 | 0.1099306 | 2.1498 | 0.0317 | 0.324701966 | count | 1 |
| PDZD8 | 0.2765569 | 0.2896744 | 0.9547 | 0.34 | 0.324770447 | count | 1 |
| HLA-DOA | 0.2429093 | 0.1508369 | 1.6104 | 0.107 | 0.324797015 | count | 1 |
| LMNB1 | 0.2768806 | 0.1939289 | 1.4277 | 0.153 | 0.325156281 | count | 1 |
| POT1 | 0.3586607 | 0.435453 | 0.8236 | 0.41 | 0.32533143 | count | 1 |
| ZNF576 | 0.2752033 | 0.278169 | 0.9893 | 0.323 | 0.325356548 | count | 1 |
| RNPEP | 0.2379939 | 0.1266127 | 1.8797 | 0.0603 | 0.325385684 | count | 1 |
| KL | 2.1333285 | 1.388395 | 1.5365 | 0.125 | 0.325436972 | count | 1 |
| ZNF439 | 0.9762866 | 0.5603373 | 1.7423 | 0.0816 | 0.325597178 | count | 1 |
| RPAP2 | 0.2939738 | 0.2707962 | 1.0856 | 0.278 | 0.325949466 | count | 1 |
| ENOX2 | 0.3036817 | 0.2655122 | 1.1438 | 0.253 | 0.32618569 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| ZER1 | 0.3821633 | 0.3921685 | 0.9745 | 0.33 | 0.326281803 | count | 1 |
| PFDN4 | 0.2457866 | 0.1477153 | 1.6639 | 0.0963 | 0.326296302 | count | 1 |
| AC02 | 0.2468273 | 0.1496587 | 1.6493 | 0.0992 | 0.32632635 | count | 1 |
| ARHGEF2 | 0.2429 | 0.1479516 | 1.6418 | 0.101 | 0.326894778 | count | 1 |
| COX19 | 0.2400288 | 0.1561034 | 1.5376 | 0.124 | 0.327027208 | count | 1 |
| AP4S1 | 0.3307039 | 0.3651423 | 0.9057 | 0.365 | 0.327201835 | count | 1 |
| NOA1 | 0.2700039 | 0.2855828 | 0.9454 | 0.345 | 0.327438651 | count | 1 |
| BORCS7 | 0.2412383 | 0.1118093 | 2.1576 | 0.0311 | 0.327468035 | count | 1 |
| CTTNBP2 | 0.2989802 | 0.2733131 | 1.0939 | 0.274 | 0.327630265 | count | 1 |
| ZNF225 | 0.981557 | 0.8053248 | 1.2188 | 0.223 | 0.32763843 | count | 1 |
| NHLRC3 | 0.2654788 | 0.1846886 | 1.4374 | 0.151 | 0.327689445 | count | 1 |
| ZBTB14 | 0.3208948 | 0.3545682 | 0.905 | 0.366 | 0.327874038 | count | 1 |
| TMEM115 | 0.2748943 | 0.2430031 | 1.1312 | 0.258 | 0.328046727 | count | 1 |
| RALB | 0.2426443 | 0.1307877 | 1.8553 | 0.0637 | 0.328114143 | count | 1 |
| NSDHL | 0.3126607 | 0.305688 | 1.0228 | 0.306 | 0.328218561 | count | 1 |
| NARFL | 0.3401351 | 0.3607111 | 0.943 | 0.346 | 0.328258015 | count | 1 |
| PPP2R5D | 0.4299581 | 0.4416297 | 0.9736 | 0.33 | 0.328335604 | count | 1 |
| EEF1AKMT2 | 0.2639979 | 0.2439063 | 1.0824 | 0.279 | 0.328336158 | count | 1 |
| TEX261 | 0.310759 | 0.2806 | 1.1075 | 0.268 | 0.328884778 | count | 1 |
| CWC22 | 0.2563451 | 0.1849236 | 1.3862 | 0.166 | 0.328918472 | count | 1 |
| RSBN1L | 0.235208 | 0.1093145 | 2.1517 | 0.0315 | 0.328957676 | count | 1 |
| PRKCZ | 2.156153 | 0.9282949 | 2.3227 | 0.0203 | 0.329074545 | count | 1 |
| CLEC12B | 2.156153 | 1.058677 | 2.0366 | 0.0418 | 0.329074545 | count | 1 |
| GAR1 | 0.2562113 | 0.2061023 | 1.2431 | 0.214 | 0.329112915 | count | 1 |
| RNF26 | 0.3694965 | 0.3723815 | 0.9923 | 0.321 | 0.329140985 | count | 1 |
| RIN2 | 0.243646 | 0.1349522 | 1.8054 | 0.0711 | 0.329246793 | count | 1 |
| HLA-C | 0.2289656 | 0.0306289 | 7.4755 | 1.06E-13 | 0.329392762 | count | 2.56E-09 |
| HARBI1 | 0.5884739 | 0.6264733 | 0.9393 | 0.348 | 0.329432287 | count | 1 |
| ABCB10 | 0.4176609 | 0.3815601 | 1.0946 | 0.274 | 0.329488757 | count | 1 |
| AC006480.2 | 0.5886211 | 0.5631463 | 1.0452 | 0.296 | 0.329522464 | count | 1 |
| HMGA1P4 | 0.5886211 | 0.6770245 | 0.8694 | 0.385 | 0.329522464 | count | 1 |
| VPS4B | 0.2371023 | 0.1059592 | 2.2377 | 0.0253 | 0.329666023 | count | 1 |
| KARS | 0.2492877 | 0.1600473 | 1.5576 | 0.119 | 0.329803103 | count | 1 |
| NDUFV2-AS1 | 0.3295443 | 0.3488771 | 0.9446 | 0.345 | 0.329852445 | count | 1 |
| GOLGA5 | 0.2654264 | 0.2539809 | 1.0451 | 0.296 | 0.330131776 | count | 1 |
| PPIC | 0.3576158 | 0.4256631 | 0.8401 | 0.401 | 0.33017205 | count | 1 |
| ALG9 | 0.4486165 | 0.4850795 | 0.9248 | 0.355 | 0.330541302 | count | 1 |
| SIRT6 | 0.2700427 | 0.311165 | 0.8678 | 0.386 | 0.330583734 | count | 1 |
| EFCAB14 | 0.2451236 | 0.1420893 | 1.7251 | 0.0846 | 0.330779558 | count | 1 |
| ANKMY1 | 0.4900531 | 0.4997058 | 0.9807 | 0.327 | 0.331031024 | count | 1 |
| MAP4K4 | 0.2453452 | 0.155306 | 1.5798 | 0.114 | 0.331079984 | count | 1 |
| PSMB8 | 0.2324961 | 0.0594787 | 3.9089 | 9.52E-05 | 0.33114487 | count | 1 |
| SPI1 | 0.2310622 | 0.0430943 | 5.3618 | 9.01E-08 | 0.331220633 | count | 0.002154111 |
| APLP2 | 0.2310117 | 0.0507571 | 4.5513 | 5.59E-06 | 0.331266593 | count | 0.13266188 |
| PABPC1L | 0.468248 | 0.8337971 | 0.5616 | 0.574 | 0.331288434 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|------------|
| RIMKLB | 0.371842 | 0.4277493 | 0.8693 | 0.385 | 0.331314427 | count | 1 |
| RBM15 | 0.330964 | 0.4700974 | 0.704 | 0.481 | 0.331314727 | count | 1 |
| MBOAT7 | 0.2419272 | 0.1174157 | 2.0604 | 0.0395 | 0.331385651 | count | 1 |
| ZBTB34 | 0.4079208 | 0.4051023 | 1.007 | 0.314 | 0.331401573 | count | 1 |
| TIPARP-AS1 | 0.3482483 | 0.3739609 | 0.9312 | 0.352 | 0.331590651 | count | 1 |
| 1-Sep | 0.2652388 | 0.2483099 | 1.0682 | 0.286 | 0.331631246 | count | 1 |
| RTKN | 0.8254797 | 1.0123034 | 0.8154 | 0.415 | 0.331785105 | count | 1 |
| FAM126A | 0.2796799 | 0.3156366 | 0.8861 | 0.376 | 0.331794187 | count | 1 |
| EPHX1 | 0.2621233 | 0.1680073 | 1.5602 | 0.119 | 0.332227922 | count | 1 |
| CDC25B | 0.4917894 | 0.3851248 | 1.277 | 0.202 | 0.332287242 | count | 1 |
| ELF1 | 0.2334007 | 0.0576098 | 4.0514 | 5.25E-05 | 0.332352706 | count | 1 |
| DHPS | 0.245936 | 0.1432015 | 1.7174 | 0.086 | 0.332355474 | count | 1 |
| ZFAT | 0.7208856 | 0.6301524 | 1.144 | 0.253 | 0.332369088 | count | 1 |
| AC061992.1 | 0.7208856 | 0.6862815 | 1.0504 | 0.294 | 0.332369088 | count | 1 |
| SCYL2 | 0.284959 | 0.2176885 | 1.309 | 0.191 | 0.332372007 | count | 1 |
| TNIP1 | 0.2634013 | 0.1890232 | 1.3935 | 0.164 | 0.332438964 | count | 1 |
| BRWD1 | 0.2557504 | 0.1888226 | 1.3544 | 0.176 | 0.332454698 | count | 1 |
| LCOR | 0.2516218 | 0.171339 | 1.4686 | 0.142 | 0.332495482 | count | 1 |
| ZC3H12D | 0.3492419 | 0.3797756 | 0.9196 | 0.358 | 0.332568712 | count | 1 |
| ZFAS1 | 0.2334891 | 0.0599409 | 3.8953 | 0.000101 | 0.33260891 | count | 1 |
| EIF3L | 0.2356124 | 0.0621047 | 3.7938 | 0.000152 | 0.332654894 | count | 1 |
| ZNF823 | 0.6480194 | 0.7682315 | 0.8435 | 0.399 | 0.332723828 | count | 1 |
| POLK | 0.2556058 | 0.1816442 | 1.4072 | 0.16 | 0.3328481 | count | 1 |
| TBC1D5 | 0.2541899 | 0.1737392 | 1.4631 | 0.144 | 0.332881942 | count | 1 |
| FRMD4B | 0.236792 | 0.0887706 | 2.6675 | 0.00769 | 0.332894999 | count | 1 |
| WVOX | 0.3076603 | 0.4046591 | 0.7603 | 0.447 | 0.332913243 | count | 1 |
| AC080013.5 | 0.5527507 | 0.5215758 | 1.0598 | 0.289 | 0.333069567 | count | 1 |
| UBL7 | 0.2609711 | 0.2123594 | 1.2289 | 0.219 | 0.333337873 | count | 1 |
| SRSF6 | 0.244868 | 0.1468987 | 1.6669 | 0.0957 | 0.333466922 | count | 1 |
| AL035071.1 | 0.3371645 | 0.3536246 | 0.9535 | 0.34 | 0.333787729 | count | 1 |
| PRELID3B | 0.2458101 | 0.1533395 | 1.603 | 0.109 | 0.333800915 | count | 1 |
| FBXO8 | 0.297767 | 0.2828442 | 1.0528 | 0.293 | 0.333911744 | count | 1 |
| ETV2 | 0.5540787 | 0.4810258 | 1.1519 | 0.249 | 0.333938248 | count | 1 |
| TAGLN2 | 0.2324637 | 0.0443029 | 5.2471 | 1.68E-07 | 0.334078334 | count | 0.00401352 |
| CTDP1 | 0.3067913 | 0.2997373 | 1.0235 | 0.306 | 0.334207099 | count | 1 |
| ZNF85 | 0.3067994 | 0.2955434 | 1.0381 | 0.299 | 0.334216114 | count | 1 |
| PLPP6 | 0.6507284 | 0.5585757 | 1.165 | 0.244 | 0.334263311 | count | 1 |
| AP000919.4 | 0.6507284 | 0.5928816 | 1.0976 | 0.273 | 0.334263311 | count | 1 |
| GDPD3 | 1.3096647 | 0.7977364 | 1.6417 | 0.101 | 0.334271513 | count | 1 |
| SWI5 | 0.2605739 | 0.212212 | 1.2279 | 0.22 | 0.334390138 | count | 1 |
| UBE2L6 | 0.2384237 | 0.0922178 | 2.5854 | 0.00978 | 0.334524198 | count | 1 |
| SFXN2 | 1.3105833 | 0.7836832 | 1.6723 | 0.0946 | 0.334547096 | count | 1 |
| LRRFIP2 | 0.245623 | 0.1335272 | 1.8395 | 0.066 | 0.334768484 | count | 1 |
| IRF2BP2 | 0.2392536 | 0.0926085 | 2.5835 | 0.00984 | 0.334808659 | count | 1 |
| TBCE | 0.4541515 | 0.546637 | 0.8308 | 0.406 | 0.334869094 | count | 1 |

| | | | | | | | |
|---------------|-----------|-----------|--------|----------|-------------|-------|----------|
| GOLGA8N | 0.6519234 | 0.6457713 | 1.0095 | 0.313 | 0.33494272 | count | 1 |
| IL18R1 | 0.4382137 | 0.5467074 | 0.8016 | 0.423 | 0.335000359 | count | 1 |
| AHCYL2 | 0.7259875 | 0.6362447 | 1.1411 | 0.254 | 0.335007412 | count | 1 |
| RNF215 | 0.4732686 | 0.4722892 | 1.0021 | 0.316 | 0.335074869 | count | 1 |
| SYNPO | 1.3127844 | 0.9099471 | 1.4427 | 0.149 | 0.335207488 | count | 1 |
| CEP83-DT | 1.3127844 | 0.9958201 | 1.3183 | 0.188 | 0.335207488 | count | 1 |
| PODNL1 | 1.3127844 | 0.9958201 | 1.3183 | 0.188 | 0.335207488 | count | 1 |
| TMEM121B | 1.3127844 | 0.9099471 | 1.4427 | 0.149 | 0.335207488 | count | 1 |
| TMEM243 | 0.2450973 | 0.1177711 | 2.0811 | 0.0375 | 0.335367462 | count | 1 |
| RNF149 | 0.2356945 | 0.0646616 | 3.645 | 0.000273 | 0.335385833 | count | 1 |
| BTK | 0.2523377 | 0.1474119 | 1.7118 | 0.0871 | 0.335418115 | count | 1 |
| C6orf106 | 0.2562162 | 0.187669 | 1.3653 | 0.172 | 0.33555386 | count | 1 |
| RPL37 | 0.2332172 | 0.0257273 | 9.065 | 2.48E-19 | 0.33591385 | count | 6.01E-15 |
| UBTF | 0.2555727 | 0.1697315 | 1.5057 | 0.132 | 0.336414828 | count | 1 |
| TXNDC16 | 0.3016554 | 0.254801 | 1.1839 | 0.237 | 0.336532546 | count | 1 |
| SIRT7 | 0.2545364 | 0.168476 | 1.5108 | 0.131 | 0.336581849 | count | 1 |
| PLEKHA1 | 0.2828691 | 0.3128809 | 0.9041 | 0.366 | 0.336680584 | count | 1 |
| BRMS1L | 0.3535875 | 0.4365035 | 0.81 | 0.418 | 0.336848184 | count | 1 |
| LINC01358 | 1.0053459 | 0.8372559 | 1.2008 | 0.23 | 0.336875286 | count | 1 |
| AL360270.1 | 1.0053459 | 0.8372559 | 1.2008 | 0.23 | 0.336875286 | count | 1 |
| NBPF19 | 0.3209719 | 0.4497163 | 0.7137 | 0.475 | 0.337162365 | count | 1 |
| WDR6 | 0.2890505 | 0.2868473 | 1.0077 | 0.314 | 0.337220733 | count | 1 |
| PIGX | 0.2727682 | 0.2145905 | 1.2711 | 0.204 | 0.337456055 | count | 1 |
| C9orf78 | 0.2398587 | 0.0901497 | 2.6607 | 0.00785 | 0.337498697 | count | 1 |
| ZNF57 | 0.8386331 | 0.8635476 | 0.9711 | 0.332 | 0.337816028 | count | 1 |
| NUMBL | 0.8386331 | 0.7172574 | 1.1692 | 0.242 | 0.337816028 | count | 1 |
| DNASE1L3 | 0.2772725 | 0.4321346 | 0.6416 | 0.521 | 0.337995109 | count | 1 |
| AL451165.2 | 0.3192653 | 0.3381951 | 0.944 | 0.345 | 0.338107167 | count | 1 |
| ELMO1 | 0.263165 | 0.1707451 | 1.5413 | 0.123 | 0.338120334 | count | 1 |
| MAPRE2 | 0.2580049 | 0.2029376 | 1.2714 | 0.204 | 0.338170175 | count | 1 |
| PQLC3 | 0.2435547 | 0.1047845 | 2.3243 | 0.0202 | 0.338193022 | count | 1 |
| C1orf127 | 1.008924 | 0.8986123 | 1.1228 | 0.262 | 0.338267744 | count | 1 |
| ZMYND12 | 1.008924 | 0.8986123 | 1.1228 | 0.262 | 0.338267744 | count | 1 |
| AC239868.3 | 1.008924 | 1.2214938 | 0.826 | 0.409 | 0.338267744 | count | 1 |
| EFNA1 | 1.008924 | 0.8986123 | 1.1228 | 0.262 | 0.338267744 | count | 1 |
| AL121983.2 | 1.008924 | 1.2214938 | 0.826 | 0.409 | 0.338267744 | count | 1 |
| KIAA1614-AS1 | 1.008924 | 0.8986123 | 1.1228 | 0.262 | 0.338267744 | count | 1 |
| CD34 | 1.008924 | 0.8986123 | 1.1228 | 0.262 | 0.338267744 | count | 1 |
| AL390728.5 | 1.008924 | 0.8986123 | 1.1228 | 0.262 | 0.338267744 | count | 1 |
| EML6 | 1.008924 | 0.8986123 | 1.1228 | 0.262 | 0.338267744 | count | 1 |
| AC099522.2 | 1.008924 | 0.8986123 | 1.1228 | 0.262 | 0.338267744 | count | 1 |
| CHRNA10 | 1.008924 | 0.8986123 | 1.1228 | 0.262 | 0.338267744 | count | 1 |
| LINC00702 | 1.008924 | 1.2214938 | 0.826 | 0.409 | 0.338267744 | count | 1 |
| LINC01465 | 1.008924 | 0.8986123 | 1.1228 | 0.262 | 0.338267744 | count | 1 |
| SYNJ2BP-COX16 | 1.008924 | 0.8986123 | 1.1228 | 0.262 | 0.338267744 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|---------|----------|-------------|-------|----------|
| PLK1 | 1.008924 | 0.8986123 | 1.1228 | 0.262 | 0.338267744 | count | 1 |
| AC009118.3 | 1.008924 | 0.8986123 | 1.1228 | 0.262 | 0.338267744 | count | 1 |
| AC130343.2 | 1.008924 | 0.8986123 | 1.1228 | 0.262 | 0.338267744 | count | 1 |
| AC099811.4 | 1.008924 | 1.2214938 | 0.826 | 0.409 | 0.338267744 | count | 1 |
| ANGPTL6 | 1.008924 | 0.8986123 | 1.1228 | 0.262 | 0.338267744 | count | 1 |
| CU634019.6 | 1.008924 | 1.2214938 | 0.826 | 0.409 | 0.338267744 | count | 1 |
| PRKAG2 | 0.2481599 | 0.1383746 | 1.7934 | 0.073 | 0.338328967 | count | 1 |
| CNIH1 | 0.2433121 | 0.109043 | 2.2313 | 0.0257 | 0.338507424 | count | 1 |
| ERCC3 | 0.3017901 | 0.3115217 | 0.9688 | 0.333 | 0.338510591 | count | 1 |
| CD38 | 0.366456 | 0.3604383 | 1.0167 | 0.309 | 0.338638848 | count | 1 |
| IGIP | 0.603529 | 0.6511259 | 0.9269 | 0.354 | 0.338671817 | count | 1 |
| NT5DC3 | 0.603529 | 0.6364031 | 0.9483 | 0.343 | 0.338671817 | count | 1 |
| DPY19L3 | 0.603529 | 0.7362616 | 0.8197 | 0.412 | 0.338671817 | count | 1 |
| C4orf33 | 0.2761422 | 0.2339567 | 1.1803 | 0.238 | 0.338883534 | count | 1 |
| ZNF408 | 0.4293454 | 0.4569994 | 0.9395 | 0.348 | 0.339204806 | count | 1 |
| ATAD2 | 0.3178534 | 0.3076202 | 1.0333 | 0.302 | 0.339225639 | count | 1 |
| CEP63 | 0.2568475 | 0.1562505 | 1.6438 | 0.1 | 0.339444275 | count | 1 |
| RPS24 | 0.2354647 | 0.0221199 | 10.6449 | 6.71E-26 | 0.33947886 | count | 1.63E-21 |
| SLC25A44 | 0.3738616 | 0.3045679 | 1.2275 | 0.22 | 0.339661412 | count | 1 |
| METTL8 | 0.3357032 | 0.3183489 | 1.0545 | 0.292 | 0.33990368 | count | 1 |
| USP28 | 0.3209288 | 0.3027036 | 1.0602 | 0.289 | 0.339911896 | count | 1 |
| SNX18 | 0.2681988 | 0.1827659 | 1.4674 | 0.142 | 0.340001283 | count | 1 |
| C1orf131 | 0.2598532 | 0.1748736 | 1.4859 | 0.137 | 0.340087139 | count | 1 |
| CBR4 | 0.3265745 | 0.3069639 | 1.0639 | 0.287 | 0.340221799 | count | 1 |
| ZNF264 | 0.2977134 | 0.2538513 | 1.1728 | 0.241 | 0.340435769 | count | 1 |
| KRCC1 | 0.2525719 | 0.1484181 | 1.7018 | 0.0889 | 0.340499938 | count | 1 |
| MRE11 | 0.2955642 | 0.2157328 | 1.37 | 0.171 | 0.340878312 | count | 1 |
| IL15RA | 0.3985401 | 0.3039605 | 1.3112 | 0.19 | 0.34090271 | count | 1 |
| NPEPPS | 0.2575101 | 0.1611698 | 1.5978 | 0.11 | 0.340956497 | count | 1 |
| ARSB | 0.3072809 | 0.2870935 | 1.0703 | 0.285 | 0.341006492 | count | 1 |
| KCNJ5 | 0.3632178 | 0.3641565 | 0.9974 | 0.319 | 0.341098941 | count | 1 |
| ZNF84 | 0.3056736 | 0.3166824 | 0.9652 | 0.335 | 0.341104679 | count | 1 |
| FDFT1 | 0.2570256 | 0.1669877 | 1.5392 | 0.124 | 0.341112321 | count | 1 |
| STAT3 | 0.2412729 | 0.0862682 | 2.7968 | 0.0052 | 0.341198334 | count | 1 |
| ZNF675 | 0.2894134 | 0.2602559 | 1.112 | 0.266 | 0.341274595 | count | 1 |
| FLT3 | 0.3903657 | 0.4170587 | 0.936 | 0.349 | 0.341305931 | count | 1 |
| PCED1B | 0.3991782 | 0.4331158 | 0.9216 | 0.357 | 0.341473303 | count | 1 |
| ZNF516 | 0.3017774 | 0.3317662 | 0.9096 | 0.363 | 0.341950282 | count | 1 |
| PSTK | 0.3913072 | 0.4499037 | 0.8698 | 0.385 | 0.34216463 | count | 1 |
| ERCC2 | 0.4096721 | 0.3976376 | 1.0303 | 0.303 | 0.342205923 | count | 1 |
| BAIAP2 | 0.2771102 | 0.2776918 | 0.9979 | 0.318 | 0.342213325 | count | 1 |
| CYHR1 | 0.2548227 | 0.1859981 | 1.37 | 0.171 | 0.342326328 | count | 1 |
| CETN3 | 0.3207721 | 0.2906969 | 1.1035 | 0.27 | 0.342415001 | count | 1 |
| CUEDC1 | 0.2791183 | 0.3450836 | 0.8088 | 0.419 | 0.342579903 | count | 1 |
| MZF1 | 0.4476721 | 0.4793808 | 0.9339 | 0.35 | 0.342650246 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|------------|
| CCNL2 | 0.2638212 | 0.2352481 | 1.1215 | 0.262 | 0.342718276 | count | 1 |
| ZNF844 | 0.4477998 | 0.4117977 | 1.0874 | 0.277 | 0.342753622 | count | 1 |
| TRMT2A | 0.3147563 | 0.2454981 | 1.2821 | 0.2 | 0.34307584 | count | 1 |
| ARMCX1 | 0.2820793 | 0.2014434 | 1.4003 | 0.162 | 0.343111932 | count | 1 |
| AC025159.1 | 0.2779984 | 0.2523465 | 1.1017 | 0.271 | 0.343322899 | count | 1 |
| FAM41C | 0.4485458 | 0.4742519 | 0.9458 | 0.344 | 0.343357639 | count | 1 |
| ELP2 | 0.2797511 | 0.2571308 | 1.088 | 0.277 | 0.343365958 | count | 1 |
| HDHD2 | 0.3656797 | 0.2931008 | 1.2476 | 0.212 | 0.343494203 | count | 1 |
| DCP2 | 0.2493677 | 0.1072015 | 2.3262 | 0.0201 | 0.343790385 | count | 1 |
| CHFR | 0.2946001 | 0.2995624 | 0.9834 | 0.325 | 0.343800406 | count | 1 |
| UFSP2 | 0.2981757 | 0.2205227 | 1.3521 | 0.176 | 0.343942039 | count | 1 |
| GFOD2 | 0.3397648 | 0.3588768 | 0.9467 | 0.344 | 0.344134622 | count | 1 |
| KDM2A | 0.2527403 | 0.1351018 | 1.8707 | 0.0615 | 0.344138042 | count | 1 |
| ARHGAP21 | 0.2536755 | 0.1607741 | 1.5778 | 0.115 | 0.344320273 | count | 1 |
| CROCC | 0.8529447 | 0.5209548 | 1.6373 | 0.102 | 0.344396739 | count | 1 |
| AC018816.1 | 0.8530348 | 0.8176262 | 1.0433 | 0.297 | 0.344438228 | count | 1 |
| USP22 | 0.259561 | 0.2230431 | 1.1637 | 0.245 | 0.344497525 | count | 1 |
| AL355472.1 | 0.4123095 | 0.3225511 | 1.2783 | 0.201 | 0.344515295 | count | 1 |
| DNAJC17 | 0.2725468 | 0.236695 | 1.1515 | 0.25 | 0.344595919 | count | 1 |
| MITD1 | 0.260945 | 0.1713269 | 1.5231 | 0.128 | 0.34467506 | count | 1 |
| PYGO2 | 0.5368001 | 0.4843488 | 1.1083 | 0.268 | 0.344889158 | count | 1 |
| PNRC1 | 0.2397485 | 0.0374505 | 6.4017 | 1.83E-10 | 0.344962155 | count | 4.41E-06 |
| EP400 | 0.2866442 | 0.2309239 | 1.2413 | 0.215 | 0.345192797 | count | 1 |
| ARPP19 | 0.2533426 | 0.1372321 | 1.8461 | 0.065 | 0.345241227 | count | 1 |
| EIF4G3 | 0.2565897 | 0.1337101 | 1.919 | 0.0551 | 0.345411006 | count | 1 |
| TSPAN33 | 0.2649744 | 0.1291702 | 2.0514 | 0.0403 | 0.345433603 | count | 1 |
| MEAF6 | 0.2472067 | 0.0992308 | 2.4912 | 0.0128 | 0.345440905 | count | 1 |
| MUC12 | 0.537619 | 0.564923 | 0.9517 | 0.341 | 0.345456937 | count | 1 |
| PKD2 | 0.3573802 | 0.3595129 | 0.9941 | 0.32 | 0.345460074 | count | 1 |
| ZC3H14 | 0.2828435 | 0.1902732 | 1.4865 | 0.137 | 0.345670458 | count | 1 |
| HERC2 | 0.2816189 | 0.2152195 | 1.3085 | 0.191 | 0.345686323 | count | 1 |
| SEC31B | 2.2637447 | 1.393512 | 1.6245 | 0.104 | 0.345884129 | count | 1 |
| TOR1AIP1 | 0.2665411 | 0.1526096 | 1.7466 | 0.0808 | 0.345963156 | count | 1 |
| SRSF3 | 0.2433014 | 0.0539228 | 4.512 | 6.72E-06 | 0.346077828 | count | 0.15941184 |
| RRP8 | 0.2900837 | 0.2323097 | 1.2487 | 0.212 | 0.34643588 | count | 1 |
| MFNG | 0.2623025 | 0.1519189 | 1.7266 | 0.0844 | 0.34647967 | count | 1 |
| RASSF3 | 0.2586053 | 0.1287364 | 2.0088 | 0.0447 | 0.346535264 | count | 1 |
| MPHOSPH8 | 0.2447888 | 0.0840781 | 2.9114 | 0.00363 | 0.346737069 | count | 1 |
| PTPN6 | 0.2454264 | 0.0774029 | 3.1708 | 0.00154 | 0.347023426 | count | 1 |
| PPP2R3A | 0.5401934 | 0.6596342 | 0.8189 | 0.413 | 0.347242615 | count | 1 |
| DUSP28 | 0.2801191 | 0.295524 | 0.9479 | 0.343 | 0.347322195 | count | 1 |
| IRAK4 | 0.2670177 | 0.1643401 | 1.6248 | 0.104 | 0.347519743 | count | 1 |
| NBPF14 | 0.2803225 | 0.1962872 | 1.4281 | 0.153 | 0.347577257 | count | 1 |
| AP002495.2 | 0.674101 | 0.6747668 | 0.999 | 0.318 | 0.347585876 | count | 1 |
| ACLY | 0.2814796 | 0.2256803 | 1.2472 | 0.212 | 0.347672436 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|------------|
| ST6GAL1 | 0.2784184 | 0.1991325 | 1.3982 | 0.162 | 0.347695098 | count | 1 |
| PRRC2B | 0.2705937 | 0.1939435 | 1.3952 | 0.163 | 0.347746837 | count | 1 |
| AL138995.1 | 0.3550915 | 0.4439684 | 0.7998 | 0.424 | 0.347756049 | count | 1 |
| BCL10 | 0.2522911 | 0.1164106 | 2.1673 | 0.0303 | 0.347774995 | count | 1 |
| PRPS1 | 0.2675665 | 0.2122241 | 1.2608 | 0.208 | 0.347932819 | count | 1 |
| DZANK1 | 0.427274 | 0.863253 | 0.495 | 0.621 | 0.347939425 | count | 1 |
| POLR3B | 0.5413507 | 0.5602288 | 0.9663 | 0.334 | 0.34804569 | count | 1 |
| AGO3 | 0.2787127 | 0.2269835 | 1.2279 | 0.22 | 0.348066601 | count | 1 |
| LONRF3 | 0.2760993 | 0.3550338 | 0.7777 | 0.437 | 0.348108925 | count | 1 |
| MMP25 | 2.278581 | 0.919512 | 2.478 | 0.0133 | 0.348156029 | count | 1 |
| GPATCH8 | 0.2646409 | 0.182479 | 1.4503 | 0.147 | 0.348190454 | count | 1 |
| OPHN1 | 0.4545385 | 0.4890119 | 0.9295 | 0.353 | 0.348213089 | count | 1 |
| NCAPD3 | 0.2942574 | 0.2298339 | 1.2803 | 0.201 | 0.348228868 | count | 1 |
| KLHL20 | 0.3475108 | 0.3320701 | 1.0465 | 0.295 | 0.348380199 | count | 1 |
| CAPN1 | 0.259945 | 0.1617346 | 1.6072 | 0.108 | 0.348495026 | count | 1 |
| ZNF219 | 0.3406643 | 0.3959532 | 0.8604 | 0.39 | 0.348646162 | count | 1 |
| CASD1 | 0.3022231 | 0.2351947 | 1.285 | 0.199 | 0.348691855 | count | 1 |
| TRA2B | 0.2478208 | 0.1037132 | 2.3895 | 0.0169 | 0.348757295 | count | 1 |
| ATPAF1 | 0.2904392 | 0.2173004 | 1.3366 | 0.181 | 0.348866936 | count | 1 |
| GALNT7 | 0.286199 | 0.2042465 | 1.4012 | 0.161 | 0.349015913 | count | 1 |
| HESX1 | 0.514851 | 0.6310611 | 0.8158 | 0.415 | 0.349018831 | count | 1 |
| AP001059.3 | 0.514851 | 0.7019195 | 0.7335 | 0.463 | 0.349018831 | count | 1 |
| RPAP1 | 0.676741 | 0.5366857 | 1.261 | 0.207 | 0.349095305 | count | 1 |
| CA13 | 0.8634587 | 0.7740665 | 1.1155 | 0.265 | 0.349243382 | count | 1 |
| ZNF66 | 0.8634587 | 0.7767831 | 1.1116 | 0.266 | 0.349243382 | count | 1 |
| ZFP82 | 0.8634587 | 0.7814765 | 1.1049 | 0.269 | 0.349243382 | count | 1 |
| LRRRC75A | 0.263582 | 0.1822156 | 1.4465 | 0.148 | 0.349255801 | count | 1 |
| ZBTB44 | 0.2915885 | 0.2203071 | 1.3236 | 0.186 | 0.349277011 | count | 1 |
| MASTL | 0.3614755 | 0.2971026 | 1.2167 | 0.224 | 0.349551935 | count | 1 |
| HP1BP3 | 0.246894 | 0.0774069 | 3.1896 | 0.00144 | 0.349565436 | count | 1 |
| ZNF224 | 0.2926983 | 0.3174632 | 0.922 | 0.357 | 0.349603655 | count | 1 |
| MED15 | 0.2786146 | 0.2638813 | 1.0558 | 0.291 | 0.349681827 | count | 1 |
| EEF1D | 0.2434355 | 0.0330636 | 7.3626 | 2.45E-13 | 0.349954208 | count | 5.92E-09 |
| USP19 | 0.3491768 | 0.3895212 | 0.8964 | 0.37 | 0.350100696 | count | 1 |
| KAT8 | 0.2636637 | 0.1537384 | 1.715 | 0.0865 | 0.350174537 | count | 1 |
| TMA16 | 0.2611448 | 0.1630736 | 1.6014 | 0.109 | 0.35041794 | count | 1 |
| OGFR | 0.2559168 | 0.1258462 | 2.0336 | 0.0421 | 0.350543384 | count | 1 |
| ZNF277 | 0.2676066 | 0.1884767 | 1.4198 | 0.156 | 0.35057813 | count | 1 |
| CEP295 | 0.3065049 | 0.3062821 | 1.0007 | 0.317 | 0.350672189 | count | 1 |
| OSER1-DT | 0.8668858 | 0.6095091 | 1.4223 | 0.155 | 0.350825365 | count | 1 |
| PKNOX1 | 0.2835167 | 0.2358323 | 1.2022 | 0.229 | 0.350908739 | count | 1 |
| GLIPR1 | 0.245608 | 0.0498243 | 4.9295 | 8.80E-07 | 0.350940894 | count | 0.02096688 |
| AZIN1 | 0.2586653 | 0.1399053 | 1.8489 | 0.0646 | 0.35112315 | count | 1 |
| SNX16 | 0.3055782 | 0.2443399 | 1.2506 | 0.211 | 0.35113742 | count | 1 |
| ATP1B1 | 0.249038 | 0.0955052 | 2.6076 | 0.00917 | 0.351188341 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|----------|
| ITFG2 | 0.3860988 | 0.2705712 | 1.427 | 0.154 | 0.351224808 | count | 1 |
| ZMAT5 | 0.2647036 | 0.1806791 | 1.465 | 0.143 | 0.351364851 | count | 1 |
| MPHOSPH10 | 0.2712075 | 0.1656254 | 1.6375 | 0.102 | 0.351409935 | count | 1 |
| SH3GL1 | 0.2729455 | 0.2230925 | 1.2235 | 0.221 | 0.351554648 | count | 1 |
| FAAH | 0.4105366 | 0.4418839 | 0.9291 | 0.353 | 0.35164125 | count | 1 |
| RBM19 | 0.3167169 | 0.2405195 | 1.3168 | 0.188 | 0.351697028 | count | 1 |
| TNKS | 0.3168097 | 0.3231555 | 0.9804 | 0.327 | 0.35180222 | count | 1 |
| PYROXD2 | 1.04388 | 0.6343577 | 1.6456 | 0.1 | 0.351914125 | count | 1 |
| PHLDA3 | 0.5817354 | 0.4715194 | 1.2337 | 0.217 | 0.35208997 | count | 1 |
| MINDY1 | 0.4762702 | 0.4391484 | 1.0845 | 0.278 | 0.352214522 | count | 1 |
| SBF2 | 0.2734923 | 0.1776469 | 1.5395 | 0.124 | 0.352264889 | count | 1 |
| PTBP3 | 0.253967 | 0.1049245 | 2.4205 | 0.0156 | 0.352434544 | count | 1 |
| CAT | 0.2498834 | 0.0750907 | 3.3278 | 0.000888 | 0.352808285 | count | 1 |
| CTF1 | 0.4221352 | 0.7862477 | 0.5369 | 0.591 | 0.353128967 | count | 1 |
| LIMCH1 | 1.047202 | 0.5547435 | 1.8877 | 0.0592 | 0.353214675 | count | 1 |
| ACCS | 0.5207953 | 0.4767039 | 1.0925 | 0.275 | 0.353345339 | count | 1 |
| LPIN2 | 0.2593071 | 0.1485675 | 1.7454 | 0.081 | 0.353403196 | count | 1 |
| CARD6 | 0.2878351 | 0.258674 | 1.1127 | 0.266 | 0.353410995 | count | 1 |
| SLC38A9 | 0.3564027 | 0.354666 | 1.0049 | 0.315 | 0.3534367 | count | 1 |
| AC009053.2 | 0.4976393 | 0.606954 | 0.8199 | 0.412 | 0.353513618 | count | 1 |
| SULF2 | 0.2644085 | 0.1808242 | 1.4622 | 0.144 | 0.353705639 | count | 1 |
| PPP2R5C | 0.2565001 | 0.1099608 | 2.3327 | 0.0197 | 0.353832731 | count | 1 |
| PANK3 | 0.2876268 | 0.2561033 | 1.1231 | 0.262 | 0.353904474 | count | 1 |
| MED28 | 0.2555344 | 0.1163404 | 2.1964 | 0.0282 | 0.354209761 | count | 1 |
| AL138762.1 | 0.47881 | 0.9453646 | 0.5065 | 0.613 | 0.354211368 | count | 1 |
| POLG | 0.339655 | 0.292174 | 1.1625 | 0.245 | 0.354214346 | count | 1 |
| MAP7 | 0.3893631 | 0.4084721 | 0.9532 | 0.341 | 0.354313433 | count | 1 |
| CASP6 | 0.3208789 | 0.30957 | 1.0365 | 0.3 | 0.35432874 | count | 1 |
| HSF2 | 0.3533865 | 0.3061694 | 1.1542 | 0.249 | 0.354449912 | count | 1 |
| PER2 | 0.284355 | 0.2249197 | 1.2643 | 0.206 | 0.354573019 | count | 1 |
| POP5 | 0.2631803 | 0.150969 | 1.7433 | 0.0814 | 0.354603585 | count | 1 |
| EXOC2 | 0.3463426 | 0.3153342 | 1.0983 | 0.272 | 0.354622961 | count | 1 |
| RC3H1 | 0.273203 | 0.2026054 | 1.3484 | 0.178 | 0.354678583 | count | 1 |
| STK4 | 0.2513393 | 0.077953 | 3.2242 | 0.00128 | 0.354729423 | count | 1 |
| MT-ND2 | 0.2462983 | 0.0381837 | 6.4503 | 1.34E-10 | 0.354756236 | count | 3.23E-06 |
| COASY | 0.2871804 | 0.206212 | 1.3926 | 0.164 | 0.354797528 | count | 1 |
| CAPN7 | 0.279141 | 0.2230748 | 1.2513 | 0.211 | 0.355424801 | count | 1 |
| RNF170 | 0.3108384 | 0.2733665 | 1.1371 | 0.256 | 0.35572124 | count | 1 |
| NUP188 | 0.3382938 | 0.348375 | 0.9711 | 0.332 | 0.355833981 | count | 1 |
| HLX | 0.2737759 | 0.1684521 | 1.6252 | 0.104 | 0.35607023 | count | 1 |
| KLF13 | 0.2545614 | 0.112176 | 2.2693 | 0.0233 | 0.356114095 | count | 1 |
| SMARCD2 | 0.2883939 | 0.1958841 | 1.4723 | 0.141 | 0.35631458 | count | 1 |
| F11R | 0.2950626 | 0.3290828 | 0.8966 | 0.37 | 0.356419964 | count | 1 |
| HNRNPU | 0.2485706 | 0.0592272 | 4.1969 | 2.80E-05 | 0.356479807 | count | 0.66122 |
| AC009403.1 | 0.3289606 | 0.336951 | 0.9763 | 0.329 | 0.356502827 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|------------|
| MFSD6 | 0.3790529 | 0.3966527 | 0.9556 | 0.339 | 0.356522076 | count | 1 |
| EPB41L5 | 0.6898156 | 0.7142085 | 0.9658 | 0.334 | 0.356583179 | count | 1 |
| JMJD1C-AS1 | 0.6898156 | 0.8001977 | 0.8621 | 0.389 | 0.356583179 | count | 1 |
| SMAGP | 0.5019783 | 0.5240888 | 0.9578 | 0.338 | 0.356806575 | count | 1 |
| IMPA2 | 0.2615242 | 0.1389849 | 1.8817 | 0.06 | 0.356809614 | count | 1 |
| ZG16B | 0.416352 | 0.3937403 | 1.0574 | 0.29 | 0.356855329 | count | 1 |
| E2F4 | 0.2682154 | 0.1509193 | 1.7772 | 0.0757 | 0.357037898 | count | 1 |
| PIK3R3 | 0.8806706 | 0.5605825 | 1.571 | 0.116 | 0.357199168 | count | 1 |
| RCBTB2 | 0.2644939 | 0.1411793 | 1.8735 | 0.0611 | 0.357304952 | count | 1 |
| POMC | 0.2880814 | 0.1954805 | 1.4737 | 0.141 | 0.357309671 | count | 1 |
| HDX | 0.3743665 | 0.3596815 | 1.0408 | 0.298 | 0.357351957 | count | 1 |
| SON | 0.250068 | 0.0535376 | 4.6709 | 3.16E-06 | 0.357582923 | count | 0.07510056 |
| RNF123 | 0.5266782 | 0.4329492 | 1.2165 | 0.224 | 0.357632613 | count | 1 |
| SFRP2 | 2.3415585 | 1.128019 | 2.0758 | 0.038 | 0.357668879 | count | 1 |
| LASP1 | 0.262593 | 0.1658081 | 1.5837 | 0.113 | 0.357708363 | count | 1 |
| KMT5B | 0.2817006 | 0.2071036 | 1.3602 | 0.174 | 0.357772043 | count | 1 |
| WDR60 | 0.2813478 | 0.2615533 | 1.0757 | 0.282 | 0.357795109 | count | 1 |
| ABHD6 | 0.3114272 | 0.2963389 | 1.0509 | 0.293 | 0.357980038 | count | 1 |
| ZNF341 | 2.343685 | 1.44718 | 1.6195 | 0.105 | 0.357986409 | count | 1 |
| AC026369.3 | 0.4277126 | 0.406449 | 1.0523 | 0.293 | 0.35802544 | count | 1 |
| ZSCAN2 | 0.483695 | 0.5162378 | 0.937 | 0.349 | 0.358055012 | count | 1 |
| ZNF568 | 0.483695 | 0.5377494 | 0.8995 | 0.368 | 0.358055012 | count | 1 |
| ZNF574 | 0.483695 | 0.5126819 | 0.9435 | 0.346 | 0.358055012 | count | 1 |
| CDPF1 | 0.4522411 | 0.5048517 | 0.8958 | 0.37 | 0.358309445 | count | 1 |
| ACOX1 | 0.2874417 | 0.2145128 | 1.34 | 0.18 | 0.358465032 | count | 1 |
| AC007262.2 | 0.7713801 | 0.6906269 | 1.1169 | 0.264 | 0.358613578 | count | 1 |
| LZTR1 | 0.484463 | 0.4797329 | 1.0099 | 0.313 | 0.358659631 | count | 1 |
| TFRC | 0.2547368 | 0.1211613 | 2.1025 | 0.0356 | 0.358753752 | count | 1 |
| TGFBR3 | 2.34888 | 1.199749 | 1.9578 | 0.0504 | 0.358760576 | count | 1 |
| PCF11 | 0.2609887 | 0.1318439 | 1.9795 | 0.0479 | 0.358768593 | count | 1 |
| CLECL1 | 0.304035 | 0.3043262 | 0.999 | 0.318 | 0.358790743 | count | 1 |
| ZBTB22 | 0.3085416 | 0.2572233 | 1.1995 | 0.23 | 0.358978792 | count | 1 |
| CRAMP1 | 0.7720936 | 0.8561641 | 0.9018 | 0.367 | 0.358986481 | count | 1 |
| BRD3 | 0.290569 | 0.1677458 | 1.7322 | 0.0834 | 0.359034091 | count | 1 |
| WDR53 | 0.5049163 | 0.4891075 | 1.0323 | 0.302 | 0.359037985 | count | 1 |
| MAK | 0.7725279 | 0.5517204 | 1.4002 | 0.162 | 0.359213487 | count | 1 |
| TRAPP6B | 0.29189 | 0.206185 | 1.4157 | 0.157 | 0.35921463 | count | 1 |
| GSE1 | 0.5051548 | 0.3196903 | 1.5801 | 0.114 | 0.359219192 | count | 1 |
| AC147067.1 | 0.358002 | 0.3280655 | 1.0913 | 0.275 | 0.359221362 | count | 1 |
| FBXO44 | 0.7728203 | 0.5215657 | 1.4817 | 0.139 | 0.35936635 | count | 1 |
| ARHGAP26 | 0.2602013 | 0.130077 | 2.0004 | 0.0456 | 0.359414594 | count | 1 |
| ZBED1 | 0.2835144 | 0.2196859 | 1.2905 | 0.197 | 0.359609619 | count | 1 |
| PPM1M | 0.2752531 | 0.1652851 | 1.6653 | 0.096 | 0.359822352 | count | 1 |
| BPNT1 | 0.4108005 | 0.4189783 | 0.9805 | 0.327 | 0.359976166 | count | 1 |
| NUDT4 | 0.2745504 | 0.1829838 | 1.5004 | 0.134 | 0.360013966 | count | 1 |

| | | | | | | | |
|-------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| PTK2B | 0.282044 | 0.2434102 | 1.1587 | 0.247 | 0.360064333 | count | 1 |
| CEBPD | 0.2499446 | 0.0423809 | 5.8976 | 4.20E-09 | 0.360172422 | count | 0.000100821 |
| LIMK2 | 0.3322962 | 0.3119894 | 1.0651 | 0.287 | 0.360202352 | count | 1 |
| ARRDC5 | 0.8871806 | 0.6635098 | 1.3371 | 0.181 | 0.360215085 | count | 1 |
| AC084033.3 | 0.3243848 | 0.3111714 | 1.0425 | 0.297 | 0.360392621 | count | 1 |
| NGDN | 0.2863329 | 0.2532706 | 1.1305 | 0.258 | 0.360599524 | count | 1 |
| U73166.1 | 0.696956 | 0.6002407 | 1.1611 | 0.246 | 0.360681698 | count | 1 |
| PRDM15 | 0.696956 | 0.6056021 | 1.1508 | 0.25 | 0.360681698 | count | 1 |
| VARS | 0.3067075 | 0.2487113 | 1.2332 | 0.218 | 0.360758022 | count | 1 |
| COPS2 | 0.2630537 | 0.1158196 | 2.2712 | 0.0232 | 0.360821503 | count | 1 |
| NUDT16L1 | 0.2830497 | 0.1940696 | 1.4585 | 0.145 | 0.360909088 | count | 1 |
| CAAP1 | 0.2824903 | 0.2155423 | 1.3106 | 0.19 | 0.361081237 | count | 1 |
| TMEM263 | 0.3040296 | 0.3037194 | 1.001 | 0.317 | 0.361129251 | count | 1 |
| ST3GAL3 | 0.6401288 | 0.5638048 | 1.1354 | 0.256 | 0.361267968 | count | 1 |
| TMEM202-AS1 | 0.6401288 | 0.5891734 | 1.0865 | 0.277 | 0.361267968 | count | 1 |
| DGCR6 | 0.6401288 | 0.5891734 | 1.0865 | 0.277 | 0.361267968 | count | 1 |
| ZNF526 | 0.3291121 | 0.5940959 | 0.554 | 0.58 | 0.361395771 | count | 1 |
| TRPC4AP | 0.2888173 | 0.2066118 | 1.3979 | 0.162 | 0.361439022 | count | 1 |
| WAPL | 0.2663467 | 0.1410492 | 1.8883 | 0.0591 | 0.36159759 | count | 1 |
| AC006504.5 | 0.4882519 | 0.5785125 | 0.844 | 0.399 | 0.36164394 | count | 1 |
| TSPO | 0.2514772 | 0.0368407 | 6.8261 | 1.10E-11 | 0.361795623 | count | 2.65E-07 |
| MGA | 0.3098638 | 0.2671726 | 1.1598 | 0.246 | 0.361914776 | count | 1 |
| AL135925.1 | 0.3020093 | 0.2523318 | 1.1969 | 0.231 | 0.361942541 | count | 1 |
| SP2 | 0.3320512 | 0.3796611 | 0.8746 | 0.382 | 0.362361708 | count | 1 |
| TRAPPC12 | 0.2985427 | 0.1765304 | 1.6912 | 0.0909 | 0.362522161 | count | 1 |
| KIF16B | 0.3507464 | 0.3263714 | 1.0747 | 0.283 | 0.362761246 | count | 1 |
| TXNRD3 | 1.07179 | 1.0145409 | 1.0564 | 0.291 | 0.362861216 | count | 1 |
| NSD3 | 0.2591763 | 0.0996772 | 2.6002 | 0.00937 | 0.363197358 | count | 1 |
| USP7 | 0.2713375 | 0.1469316 | 1.8467 | 0.0649 | 0.363363491 | count | 1 |
| DPYSL3 | 0.5106891 | 0.4942625 | 1.0332 | 0.302 | 0.363426407 | count | 1 |
| TRIP11 | 0.2700748 | 0.1617605 | 1.6696 | 0.0951 | 0.363515468 | count | 1 |
| FRYL | 0.2797405 | 0.2118521 | 1.3205 | 0.187 | 0.363564279 | count | 1 |
| EIF1AY | 0.2610574 | 0.1239356 | 2.1064 | 0.0353 | 0.363749804 | count | 1 |
| ZFAND3 | 0.2730948 | 0.1570274 | 1.7392 | 0.0821 | 0.363764916 | count | 1 |
| ST5 | 0.7816186 | 0.7870789 | 0.9931 | 0.321 | 0.363969873 | count | 1 |
| ECHDC1 | 0.2629959 | 0.1080171 | 2.4348 | 0.015 | 0.364039625 | count | 1 |
| SLC25A28 | 0.2862134 | 0.1629892 | 1.756 | 0.0792 | 0.364042955 | count | 1 |
| TMEM175 | 0.3106253 | 0.2763096 | 1.1242 | 0.261 | 0.364150784 | count | 1 |
| HBS1L | 0.2914548 | 0.2754648 | 1.058 | 0.29 | 0.364158193 | count | 1 |
| NOC4L | 0.3246753 | 0.2899009 | 1.12 | 0.263 | 0.364708863 | count | 1 |
| FECH | 0.3718711 | 0.3389623 | 1.0971 | 0.273 | 0.364739542 | count | 1 |
| AIRN | 2.389403 | 1.446081 | 1.6523 | 0.0986 | 0.364748537 | count | 1 |
| STX18 | 0.2996396 | 0.2149037 | 1.3943 | 0.163 | 0.364759423 | count | 1 |
| MYSM1 | 0.2924489 | 0.2798724 | 1.0449 | 0.296 | 0.364780295 | count | 1 |
| METTL14 | 0.3111916 | 0.2832466 | 1.0987 | 0.272 | 0.364825666 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|---|
| AMPD2 | 0.2797464 | 0.201458 | 1.3886 | 0.165 | 0.364840586 | count | 1 |
| TOR4A | 0.3249469 | 0.2591564 | 1.2539 | 0.21 | 0.365020165 | count | 1 |
| BRAP | 0.3391012 | 0.3391251 | 0.9999 | 0.317 | 0.365168567 | count | 1 |
| SAMSN1 | 0.2569637 | 0.0687273 | 3.7389 | 0.000189 | 0.365188898 | count | 1 |
| TXLNB | 0.4083058 | 0.315041 | 1.296 | 0.195 | 0.36521907 | count | 1 |
| AC233723.1 | 0.7840997 | 0.7328914 | 1.0699 | 0.285 | 0.36526957 | count | 1 |
| TMEM106B | 0.2914245 | 0.2108777 | 1.382 | 0.167 | 0.365342353 | count | 1 |
| HMG3 | 0.2586905 | 0.0783829 | 3.3003 | 0.00098 | 0.365569936 | count | 1 |
| MFSD3 | 0.3884037 | 0.382672 | 1.015 | 0.31 | 0.365647949 | count | 1 |
| KCNMB1 | 0.3329171 | 0.2773623 | 1.2003 | 0.23 | 0.365667916 | count | 1 |
| TMEM185B | 0.3946135 | 0.3263782 | 1.2091 | 0.227 | 0.36569017 | count | 1 |
| WDR11 | 0.2758468 | 0.2417478 | 1.1411 | 0.254 | 0.366040305 | count | 1 |
| AC099063.4 | 1.4154761 | 0.8315954 | 1.7021 | 0.0889 | 0.366092192 | count | 1 |
| LINC01736 | 1.4154761 | 0.8315954 | 1.7021 | 0.0889 | 0.366092192 | count | 1 |
| CXCL14 | 1.4154761 | 1.307151 | 1.0829 | 0.279 | 0.366092192 | count | 1 |
| ZNF300 | 1.4154761 | 1.021294 | 1.386 | 0.166 | 0.366092192 | count | 1 |
| SPDYE16 | 1.4154761 | 1.0545611 | 1.3422 | 0.18 | 0.366092192 | count | 1 |
| TMEM266 | 1.4154761 | 1.38413 | 1.0226 | 0.307 | 0.366092192 | count | 1 |
| AIMP2 | 0.2797826 | 0.1725237 | 1.6217 | 0.105 | 0.366365257 | count | 1 |
| RWDD3 | 0.6034584 | 0.5979392 | 1.0092 | 0.313 | 0.366426622 | count | 1 |
| PDCD1 | 0.6034584 | 0.5979392 | 1.0092 | 0.313 | 0.366426622 | count | 1 |
| KIFC2 | 0.6035734 | 0.4840204 | 1.247 | 0.213 | 0.36650269 | count | 1 |
| TGFB111 | 0.6038933 | 0.4563939 | 1.3232 | 0.186 | 0.366714329 | count | 1 |
| TSR2 | 0.2766005 | 0.1617714 | 1.7098 | 0.0874 | 0.367046807 | count | 1 |
| VPS26B | 0.2994878 | 0.2449215 | 1.2228 | 0.222 | 0.367099827 | count | 1 |
| RAVER1 | 0.4627628 | 1.011448 | 0.4575 | 0.647 | 0.367117727 | count | 1 |
| AP005019.1 | 1.083071 | 0.6707652 | 1.6147 | 0.107 | 0.367298035 | count | 1 |
| IER5 | 0.2605396 | 0.0871665 | 2.989 | 0.00283 | 0.367324742 | count | 1 |
| CCDC59 | 0.2679557 | 0.1097867 | 2.4407 | 0.0147 | 0.36733744 | count | 1 |
| VDAC3 | 0.2629143 | 0.1020577 | 2.5761 | 0.01 | 0.367412169 | count | 1 |
| PRPSAP1 | 0.282692 | 0.2225889 | 1.27 | 0.204 | 0.36743099 | count | 1 |
| AC062029.1 | 0.7883215 | 0.5855004 | 1.3464 | 0.178 | 0.367482622 | count | 1 |
| CNOT10 | 0.3157838 | 0.3143292 | 1.0046 | 0.315 | 0.367551185 | count | 1 |
| INPP5B | 0.4504353 | 0.3404092 | 1.3232 | 0.186 | 0.367812699 | count | 1 |
| ADA2 | 0.2646419 | 0.1035834 | 2.5549 | 0.0107 | 0.367815341 | count | 1 |
| ANKRD40 | 0.2920085 | 0.2107386 | 1.3856 | 0.166 | 0.36782303 | count | 1 |
| RELL1 | 0.3060248 | 0.2576634 | 1.1877 | 0.235 | 0.367861767 | count | 1 |
| SDHAF1 | 0.3137443 | 0.3203546 | 0.9794 | 0.327 | 0.367868266 | count | 1 |
| AURKB | 0.7891219 | 0.7227912 | 1.0918 | 0.275 | 0.367902394 | count | 1 |
| C3orf62 | 0.3556614 | 0.2827605 | 1.2578 | 0.209 | 0.367988184 | count | 1 |
| RPS17 | 0.2820519 | 0.1402519 | 2.011 | 0.0444 | 0.368177717 | count | 1 |
| STK25 | 0.2762025 | 0.1850832 | 1.4923 | 0.136 | 0.368310941 | count | 1 |
| HIRIP3 | 0.3231378 | 0.3349699 | 0.9647 | 0.335 | 0.368377816 | count | 1 |
| RFX2 | 0.3091027 | 0.271734 | 1.1375 | 0.255 | 0.368387925 | count | 1 |
| NEDD1 | 0.3131163 | 0.3480279 | 0.8997 | 0.368 | 0.36842011 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|---------|----------|-------------|-------|----------|
| NPTN | 0.2654411 | 0.112447 | 2.3606 | 0.0183 | 0.368538812 | count | 1 |
| ANKMY2 | 0.3711739 | 0.3704126 | 1.0021 | 0.316 | 0.368560814 | count | 1 |
| AC100858.3 | 1.423983 | 0.9639486 | 1.4772 | 0.14 | 0.368654477 | count | 1 |
| CPNE7 | 1.423983 | 0.9639486 | 1.4772 | 0.14 | 0.368654477 | count | 1 |
| SOCS4 | 0.2871229 | 0.2052525 | 1.3989 | 0.162 | 0.368771117 | count | 1 |
| ORMDL1 | 0.2632472 | 0.0914761 | 2.8778 | 0.00404 | 0.368837275 | count | 1 |
| SLC18B1 | 0.3283799 | 0.3139788 | 1.0459 | 0.296 | 0.36895575 | count | 1 |
| LDB1 | 0.3105645 | 0.283065 | 1.0971 | 0.273 | 0.369012551 | count | 1 |
| THEMIS2 | 0.26273 | 0.0876621 | 2.9971 | 0.00275 | 0.369035077 | count | 1 |
| WAC | 0.2687158 | 0.1178103 | 2.2809 | 0.0226 | 0.369142311 | count | 1 |
| THOC2 | 0.270575 | 0.1340603 | 2.0183 | 0.0437 | 0.369210239 | count | 1 |
| DNAJB4 | 0.315016 | 0.2260559 | 1.3935 | 0.164 | 0.369384287 | count | 1 |
| SAMD9L | 0.2756258 | 0.1511849 | 1.8231 | 0.0684 | 0.369471804 | count | 1 |
| ALG1 | 0.3766743 | 0.3471128 | 1.0852 | 0.278 | 0.36960884 | count | 1 |
| ERAL1 | 0.3387082 | 0.2565419 | 1.3203 | 0.187 | 0.369795333 | count | 1 |
| MIA3 | 0.2695277 | 0.1206592 | 2.2338 | 0.0256 | 0.36981253 | count | 1 |
| TLR4 | 0.2736298 | 0.116415 | 2.3505 | 0.0188 | 0.369967771 | count | 1 |
| ANKRD28 | 0.2636237 | 0.1111915 | 2.3709 | 0.0178 | 0.370093173 | count | 1 |
| MT-ND1 | 0.2570013 | 0.0362828 | 7.0833 | 1.83E-12 | 0.370126236 | count | 4.42E-08 |
| SDR39U1 | 0.3218367 | 0.2541793 | 1.2662 | 0.206 | 0.370167513 | count | 1 |
| FAM53B | 0.3821723 | 0.2838106 | 1.3466 | 0.178 | 0.370270452 | count | 1 |
| ACD | 0.3648393 | 0.249983 | 1.4595 | 0.145 | 0.370307864 | count | 1 |
| RFX5 | 0.3463474 | 0.2947273 | 1.1751 | 0.24 | 0.370411323 | count | 1 |
| CYB5R1 | 0.2779435 | 0.1405637 | 1.9773 | 0.0481 | 0.370646518 | count | 1 |
| ZC3H6 | 0.2851921 | 0.1884604 | 1.5133 | 0.13 | 0.370706759 | count | 1 |
| YAF2 | 0.2840079 | 0.1933769 | 1.4687 | 0.142 | 0.370750724 | count | 1 |
| SYAP1 | 0.2615814 | 0.0945347 | 2.767 | 0.0057 | 0.370837912 | count | 1 |
| NDST1 | 0.355187 | 0.3538056 | 1.0039 | 0.316 | 0.370860382 | count | 1 |
| PSME3 | 0.3069105 | 0.2219536 | 1.3828 | 0.167 | 0.370935164 | count | 1 |
| HOMEZ | 0.432128 | 0.4305726 | 1.0036 | 0.316 | 0.371027495 | count | 1 |
| PTPRN2 | 0.3338093 | 0.2981942 | 1.1194 | 0.263 | 0.3710902 | count | 1 |
| CASP4 | 0.262884 | 0.0761588 | 3.4518 | 0.000566 | 0.371193431 | count | 1 |
| MAP3K4 | 0.2939013 | 0.241614 | 1.2164 | 0.224 | 0.371339921 | count | 1 |
| FXN | 0.3135851 | 0.2293498 | 1.3673 | 0.172 | 0.37146874 | count | 1 |
| PAOX | 0.3559021 | 0.4025963 | 0.884 | 0.377 | 0.371627575 | count | 1 |
| MRPS5 | 0.2684488 | 0.1332705 | 2.0143 | 0.0441 | 0.371867985 | count | 1 |
| KBTBD11 | 0.3207282 | 0.2795746 | 1.1472 | 0.251 | 0.371943951 | count | 1 |
| CD6 | 1.095187 | 0.6945091 | 1.5769 | 0.115 | 0.372070459 | count | 1 |
| MRPL1 | 0.2936884 | 0.2130227 | 1.3787 | 0.168 | 0.372130029 | count | 1 |
| RPL39 | 0.258262 | 0.024985 | 10.3367 | 1.52E-24 | 0.372156825 | count | 3.69E-20 |
| HCFC1 | 0.3430847 | 0.330161 | 1.0391 | 0.299 | 0.372177801 | count | 1 |
| UBR5-AS1 | 0.3330588 | 0.4622656 | 0.7205 | 0.471 | 0.372318453 | count | 1 |
| VPS26C | 0.2872329 | 0.1821042 | 1.5773 | 0.115 | 0.372698432 | count | 1 |
| CCHCR1 | 0.5023254 | 0.406941 | 1.2344 | 0.217 | 0.372748894 | count | 1 |
| ZNF839 | 0.5768602 | 0.5179593 | 1.1137 | 0.266 | 0.372785428 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|----------|
| KSR1 | 0.5474561 | 0.4128052 | 1.3262 | 0.185 | 0.37281788 | count | 1 |
| CEP162 | 0.3513507 | 0.2833175 | 1.2401 | 0.215 | 0.372983447 | count | 1 |
| DCAF12 | 0.3085941 | 0.2247992 | 1.3728 | 0.17 | 0.372998881 | count | 1 |
| TIGD7 | 0.4251925 | 0.6765284 | 0.6285 | 0.53 | 0.373165619 | count | 1 |
| IQCD | 0.3515357 | 0.4581748 | 0.7673 | 0.443 | 0.373184939 | count | 1 |
| GMFG | 0.2602429 | 0.0401026 | 6.4894 | 1.04E-10 | 0.373244977 | count | 2.50E-06 |
| RBM42 | 0.2742047 | 0.1195388 | 2.2939 | 0.0219 | 0.373288803 | count | 1 |
| STT3A | 0.3131733 | 0.2665 | 1.1751 | 0.24 | 0.373314141 | count | 1 |
| TOB2 | 0.27412 | 0.142608 | 1.9222 | 0.0547 | 0.373378313 | count | 1 |
| DROSHA | 0.503287 | 0.5051312 | 0.9963 | 0.319 | 0.373508805 | count | 1 |
| RPUSD1 | 0.3342157 | 0.2741589 | 1.2191 | 0.223 | 0.373639107 | count | 1 |
| GMEB1 | 0.2945503 | 0.1974609 | 1.4917 | 0.136 | 0.373749737 | count | 1 |
| EMC10 | 0.2723934 | 0.1303121 | 2.0903 | 0.0367 | 0.373759512 | count | 1 |
| ITGB2 | 0.260484 | 0.0385296 | 6.7606 | 1.71E-11 | 0.373813137 | count | 4.12E-07 |
| SLC11A1 | 0.2620993 | 0.0956191 | 2.7411 | 0.00617 | 0.373882988 | count | 1 |
| RABGAP1L | 0.2833437 | 0.2080806 | 1.3617 | 0.173 | 0.373981416 | count | 1 |
| UBE4A | 0.2885353 | 0.201755 | 1.4301 | 0.153 | 0.374050972 | count | 1 |
| CST3 | 0.2594175 | 0.0415559 | 6.2426 | 5.05E-10 | 0.374068127 | count | 1.21E-05 |
| CEACAM21 | 0.4863616 | 0.432983 | 1.1233 | 0.261 | 0.374095095 | count | 1 |
| BOD1L1 | 0.2643197 | 0.0821167 | 3.2188 | 0.0013 | 0.374096464 | count | 1 |
| STAT2 | 0.2761684 | 0.1382908 | 1.997 | 0.0459 | 0.37417051 | count | 1 |
| GGPS1 | 0.2966372 | 0.2385129 | 1.2437 | 0.214 | 0.374280264 | count | 1 |
| STYXL1 | 0.3040273 | 0.22386 | 1.3581 | 0.175 | 0.374341434 | count | 1 |
| ZSCAN20 | 0.9182308 | 0.8689214 | 1.0567 | 0.291 | 0.374649488 | count | 1 |
| KDM4A-AS1 | 0.9182308 | 1.05643 | 0.8692 | 0.385 | 0.374649488 | count | 1 |
| LTA | 0.9182308 | 1.0351217 | 0.8871 | 0.375 | 0.374649488 | count | 1 |
| GTF2IRD1 | 0.9182308 | 1.05643 | 0.8692 | 0.385 | 0.374649488 | count | 1 |
| GNRH1 | 0.9182308 | 0.8689214 | 1.0567 | 0.291 | 0.374649488 | count | 1 |
| PRNCR1 | 0.9182308 | 1.0351217 | 0.8871 | 0.375 | 0.374649488 | count | 1 |
| CDT1 | 0.9182308 | 0.9948409 | 0.923 | 0.356 | 0.374649488 | count | 1 |
| C19orf81 | 0.9182308 | 0.9948409 | 0.923 | 0.356 | 0.374649488 | count | 1 |
| IL17RC | 0.3690377 | 0.336217 | 1.0976 | 0.272 | 0.374699047 | count | 1 |
| LRCH4 | 0.2890704 | 0.2115301 | 1.3666 | 0.172 | 0.37475046 | count | 1 |
| JAG1 | 0.4113893 | 0.3536268 | 1.1633 | 0.245 | 0.375198064 | count | 1 |
| TMEM229B | 0.9196146 | 0.6806243 | 1.3511 | 0.177 | 0.37529464 | count | 1 |
| PPP1R11 | 0.2710722 | 0.1158444 | 2.34 | 0.0194 | 0.375462125 | count | 1 |
| FAM98B | 0.3596499 | 0.3459829 | 1.0395 | 0.299 | 0.375649514 | count | 1 |
| IL1RL2 | 0.8040595 | 0.5543067 | 1.4506 | 0.147 | 0.375748982 | count | 1 |
| GALK2 | 0.3228271 | 0.2456324 | 1.3143 | 0.189 | 0.375893609 | count | 1 |
| TIGD2 | 0.66389 | 0.6505901 | 1.0204 | 0.308 | 0.376035988 | count | 1 |
| BX537318.1 | 0.66389 | 0.5710723 | 1.1625 | 0.245 | 0.376035988 | count | 1 |
| CCDC85B | 0.265268 | 0.0801429 | 3.3099 | 0.000947 | 0.376052281 | count | 1 |
| FARP1 | 0.3255628 | 0.2352261 | 1.384 | 0.166 | 0.376118258 | count | 1 |
| THG1L | 0.3106402 | 0.2305423 | 1.3474 | 0.178 | 0.376475 | count | 1 |
| GPR180 | 0.3938069 | 0.3814925 | 1.0323 | 0.302 | 0.37659488 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|---------|-------------|-------|---|
| MAML3 | 0.2928543 | 0.2166923 | 1.3515 | 0.177 | 0.376616332 | count | 1 |
| SLC25A4 | 0.3835882 | 0.6266085 | 0.6122 | 0.54 | 0.376623839 | count | 1 |
| PDHX | 0.3426933 | 0.288711 | 1.187 | 0.235 | 0.37665268 | count | 1 |
| CYB5D1 | 0.5073384 | 0.5140907 | 0.9869 | 0.324 | 0.376712036 | count | 1 |
| TSC22D4 | 0.2761203 | 0.1488045 | 1.8556 | 0.0636 | 0.376712862 | count | 1 |
| ZNFX1 | 0.2942902 | 0.1893306 | 1.5544 | 0.12 | 0.376758801 | count | 1 |
| CBX4 | 0.2951277 | 0.1578668 | 1.8695 | 0.0617 | 0.376929142 | count | 1 |
| SLC35F5 | 0.3102688 | 0.2633563 | 1.1781 | 0.239 | 0.376959767 | count | 1 |
| TRIM44 | 0.2715925 | 0.1226962 | 2.2135 | 0.027 | 0.376966518 | count | 1 |
| CPLANE1 | 0.3305385 | 0.419559 | 0.7878 | 0.431 | 0.376979532 | count | 1 |
| CHMP7 | 0.3305527 | 0.3285077 | 1.0062 | 0.314 | 0.376996041 | count | 1 |
| RDH14 | 0.3203455 | 0.2271317 | 1.4104 | 0.159 | 0.377068212 | count | 1 |
| EXOG | 0.375288 | 0.3565573 | 1.0525 | 0.293 | 0.377118932 | count | 1 |
| AKAP12 | 2.4754134 | 1.53595 | 1.6117 | 0.107 | 0.377140717 | count | 1 |
| AC021739.2 | 2.4754134 | 1.53595 | 1.6117 | 0.107 | 0.377140717 | count | 1 |
| NID1 | 0.6656665 | 0.6054523 | 1.0995 | 0.272 | 0.377143114 | count | 1 |
| USP49 | 0.4495247 | 0.4604788 | 0.9762 | 0.329 | 0.37722263 | count | 1 |
| C17orf100 | 1.108716 | 0.7072473 | 1.5676 | 0.117 | 0.377408124 | count | 1 |
| AL121761.1 | 1.108716 | 0.7353296 | 1.5078 | 0.132 | 0.377408124 | count | 1 |
| KIAA1671 | 1.108716 | 0.8340581 | 1.3293 | 0.184 | 0.377408124 | count | 1 |
| ALS2 | 0.5542553 | 0.4348667 | 1.2745 | 0.203 | 0.377801305 | count | 1 |
| DMD | 0.9252908 | 0.6073921 | 1.5234 | 0.128 | 0.377942686 | count | 1 |
| MBTPS2 | 0.4758569 | 0.5787854 | 0.8222 | 0.411 | 0.37810425 | count | 1 |
| SENP2 | 0.3463021 | 0.2601819 | 1.331 | 0.183 | 0.378282022 | count | 1 |
| AL033527.5 | 0.7278808 | 0.6549281 | 1.1114 | 0.267 | 0.378504653 | count | 1 |
| SDAD1 | 0.2871783 | 0.1698876 | 1.6904 | 0.0911 | 0.37857514 | count | 1 |
| EIF2D | 0.315758 | 0.2871659 | 1.0996 | 0.272 | 0.378669273 | count | 1 |
| LMLN | 0.8096116 | 0.647549 | 1.2503 | 0.211 | 0.378671341 | count | 1 |
| SHLD3 | 0.6681611 | 0.6342226 | 1.0535 | 0.292 | 0.378698472 | count | 1 |
| AC004982.2 | 0.9270196 | 0.7265572 | 1.2759 | 0.202 | 0.378749576 | count | 1 |
| OSBPL5 | 0.9270196 | 0.8236669 | 1.1255 | 0.26 | 0.378749576 | count | 1 |
| AP000487.1 | 0.9270196 | 0.6906885 | 1.3422 | 0.18 | 0.378749576 | count | 1 |
| PTGIS | 0.9270196 | 0.8040362 | 1.153 | 0.249 | 0.378749576 | count | 1 |
| PAXX | 0.2746062 | 0.1136672 | 2.4159 | 0.0158 | 0.378770615 | count | 1 |
| UBQLN2 | 0.3292172 | 0.2535641 | 1.2984 | 0.194 | 0.37881601 | count | 1 |
| UAP1L1 | 0.3490854 | 0.2971854 | 1.1746 | 0.24 | 0.378845164 | count | 1 |
| GPN2 | 0.3514954 | 0.3164146 | 1.1109 | 0.267 | 0.378848957 | count | 1 |
| TTC13 | 0.4515052 | 0.4739349 | 0.9527 | 0.341 | 0.378969445 | count | 1 |
| EIF2S3 | 0.2727228 | 0.0836871 | 3.2588 | 0.00113 | 0.378991705 | count | 1 |
| SYP | 0.6689242 | 0.5919851 | 1.13 | 0.259 | 0.379174428 | count | 1 |
| KCTD18 | 0.4233279 | 0.3971617 | 1.0659 | 0.287 | 0.379248442 | count | 1 |
| CEP350 | 0.2767923 | 0.1314999 | 2.1049 | 0.0354 | 0.379335436 | count | 1 |
| IRF5 | 0.3450902 | 0.230603 | 1.4965 | 0.135 | 0.379347715 | count | 1 |
| TSC2 | 0.3698622 | 0.3069568 | 1.2049 | 0.228 | 0.379427778 | count | 1 |
| ZNF577 | 0.3546935 | 0.3432958 | 1.0332 | 0.302 | 0.379566288 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|----------|
| PDCD7 | 0.2872229 | 0.1441516 | 1.9925 | 0.0464 | 0.379626054 | count | 1 |
| ZNF106 | 0.2699665 | 0.0801283 | 3.3692 | 0.000766 | 0.379667103 | count | 1 |
| POU2F1 | 0.3150493 | 0.2850339 | 1.1053 | 0.269 | 0.379906548 | count | 1 |
| ARMT1 | 0.289247 | 0.1600551 | 1.8072 | 0.0709 | 0.379990705 | count | 1 |
| FBXO27 | 1.115635 | 0.7908176 | 1.4107 | 0.158 | 0.380141173 | count | 1 |
| VIPR1 | 1.462908 | 0.5459126 | 2.6797 | 0.00742 | 0.380380825 | count | 1 |
| AKT2 | 0.2960825 | 0.2424787 | 1.2211 | 0.222 | 0.380384875 | count | 1 |
| SLC25A36 | 0.278214 | 0.1283298 | 2.168 | 0.0303 | 0.380426488 | count | 1 |
| PDE7B | 2.500038 | 1.028617 | 2.4305 | 0.0151 | 0.380606922 | count | 1 |
| PGGT1B | 0.2896372 | 0.1657144 | 1.7478 | 0.0806 | 0.380781429 | count | 1 |
| NAPEPLD | 0.4790564 | 0.4364894 | 1.0975 | 0.273 | 0.380792885 | count | 1 |
| RPL30 | 0.2642172 | 0.0229975 | 11.489 | 8.55E-30 | 0.380878536 | count | 2.08E-25 |
| EED | 0.3216129 | 0.2590356 | 1.2416 | 0.215 | 0.381132761 | count | 1 |
| MED22 | 0.4107039 | 0.3282312 | 1.2513 | 0.211 | 0.381203848 | count | 1 |
| NR2C2 | 0.3648695 | 0.3205227 | 1.1384 | 0.255 | 0.381254086 | count | 1 |
| ABHD10 | 0.3792885 | 0.3140456 | 1.2077 | 0.227 | 0.381267064 | count | 1 |
| RTN3 | 0.2704162 | 0.0713147 | 3.7919 | 0.000153 | 0.381323276 | count | 1 |
| ZNF25 | 0.3985781 | 0.4176942 | 0.9542 | 0.34 | 0.381326289 | count | 1 |
| MRPL53 | 0.443775 | 0.4482704 | 0.99 | 0.322 | 0.38151573 | count | 1 |
| RNASEK | 0.2785452 | 0.1361081 | 2.0465 | 0.0408 | 0.381663911 | count | 1 |
| NFE2L1 | 0.301154 | 0.2787519 | 1.0804 | 0.28 | 0.381688013 | count | 1 |
| SHOC2 | 0.2748339 | 0.1233967 | 2.2272 | 0.026 | 0.381845101 | count | 1 |
| TNFAIP8L2 | 0.2820983 | 0.1519521 | 1.8565 | 0.0635 | 0.381865755 | count | 1 |
| SPRTN | 0.3183893 | 0.2271235 | 1.4018 | 0.161 | 0.381872625 | count | 1 |
| DYSF | 0.4548329 | 0.338452 | 1.3439 | 0.179 | 0.381905879 | count | 1 |
| C2orf76 | 0.309015 | 0.2283918 | 1.353 | 0.176 | 0.382113461 | count | 1 |
| UBXN2A | 0.3130609 | 0.2406485 | 1.3009 | 0.193 | 0.382224708 | count | 1 |
| MAP1LC3A | 0.3308373 | 0.2805389 | 1.1793 | 0.238 | 0.382324687 | count | 1 |
| BRD4 | 0.2745092 | 0.0957259 | 2.8677 | 0.00417 | 0.382351454 | count | 1 |
| ELOA-AS1 | 0.6274949 | 0.6538075 | 0.9598 | 0.337 | 0.382368593 | count | 1 |
| SLC5A6 | 0.6274949 | 0.6275693 | 0.9999 | 0.317 | 0.382368593 | count | 1 |
| ANO8 | 0.8177014 | 0.6321214 | 1.2936 | 0.196 | 0.382935041 | count | 1 |
| STK3 | 0.3233692 | 0.2307408 | 1.4014 | 0.161 | 0.383247895 | count | 1 |
| SPSB3 | 0.2862314 | 0.146383 | 1.9554 | 0.0507 | 0.383250127 | count | 1 |
| TRIB3 | 0.3486478 | 0.3761261 | 0.9269 | 0.354 | 0.383349122 | count | 1 |
| TMEM236 | 0.6757741 | 0.4081451 | 1.6557 | 0.0979 | 0.383450099 | count | 1 |
| FBL | 0.2846063 | 0.1644294 | 1.7309 | 0.0836 | 0.383480496 | count | 1 |
| GAK | 0.3043795 | 0.2151206 | 1.4149 | 0.157 | 0.38357665 | count | 1 |
| AF213884.3 | 0.6295076 | 0.6817279 | 0.9234 | 0.356 | 0.383707143 | count | 1 |
| PI4KB | 0.3270673 | 0.2502232 | 1.3071 | 0.191 | 0.383759314 | count | 1 |
| JUN | 0.2667864 | 0.0859553 | 3.1038 | 0.00193 | 0.383817302 | count | 1 |
| PPP5C | 0.4690165 | 0.4510689 | 1.0398 | 0.299 | 0.383818278 | count | 1 |
| DCP1B | 0.7374505 | 0.5808306 | 1.2696 | 0.204 | 0.384043213 | count | 1 |
| REV1 | 0.2991226 | 0.2084847 | 1.4347 | 0.151 | 0.384751713 | count | 1 |
| KHSRP | 0.3181952 | 0.2057858 | 1.5462 | 0.122 | 0.384772763 | count | 1 |

| | | | | | | | |
|-----------|-----------|-----------|--------|----------|-------------|-------|---|
| SUPT3H | 0.3917076 | 0.3970421 | 0.9866 | 0.324 | 0.38487087 | count | 1 |
| ZFH3 | 0.2823851 | 0.1225153 | 2.3049 | 0.0213 | 0.384894019 | count | 1 |
| TRAK2 | 0.335846 | 0.3475231 | 0.9664 | 0.334 | 0.384900147 | count | 1 |
| DLAT | 0.3716678 | 0.3496616 | 1.0629 | 0.288 | 0.385033595 | count | 1 |
| LILRB2 | 0.2738186 | 0.0863271 | 3.1719 | 0.00153 | 0.385095159 | count | 1 |
| L1TD1 | 1.1284209 | 0.7847236 | 1.438 | 0.151 | 0.385197617 | count | 1 |
| FOX1 | 1.1284209 | 0.8274372 | 1.3638 | 0.173 | 0.385197617 | count | 1 |
| ZNF251 | 0.4843064 | 0.5548058 | 0.8729 | 0.383 | 0.385208085 | count | 1 |
| LINC02207 | 0.5644556 | 0.3077486 | 1.8341 | 0.0668 | 0.385290511 | count | 1 |
| MAL | 2.534346 | 2.0175867 | 1.2561 | 0.2092 | 0.385373714 | count | 1 |
| PPP2R5A | 0.3067364 | 0.1938539 | 1.5823 | 0.114 | 0.385377378 | count | 1 |
| CCP110 | 0.3297743 | 0.265648 | 1.2414 | 0.215 | 0.385581628 | count | 1 |
| CAMK2D | 0.3031077 | 0.2008054 | 1.5095 | 0.131 | 0.385750157 | count | 1 |
| ICE1 | 0.2875179 | 0.1693713 | 1.6976 | 0.0897 | 0.385843794 | count | 1 |
| RHOT1 | 0.2977307 | 0.1914743 | 1.5549 | 0.12 | 0.386073796 | count | 1 |
| EFNB2 | 0.5958498 | 0.7726819 | 0.7711 | 0.441 | 0.386092361 | count | 1 |
| LPAR6 | 0.276488 | 0.108896 | 2.539 | 0.0112 | 0.386232238 | count | 1 |
| KCTD11 | 0.5960685 | 0.5916206 | 1.0075 | 0.314 | 0.386245932 | count | 1 |
| ASCC3 | 0.2941586 | 0.1718312 | 1.7119 | 0.087 | 0.386491303 | count | 1 |
| MKNK1 | 0.2793777 | 0.1374689 | 2.0323 | 0.0422 | 0.38673434 | count | 1 |
| FUT10 | 0.9451946 | 0.735308 | 1.2854 | 0.199 | 0.387247685 | count | 1 |
| SNUPN | 0.2980964 | 0.2020078 | 1.4757 | 0.14 | 0.387270494 | count | 1 |
| EXOC7 | 0.3037553 | 0.2147223 | 1.4146 | 0.157 | 0.387574808 | count | 1 |
| RPH3AL | 0.4614504 | 0.5160029 | 0.8943 | 0.371 | 0.387750421 | count | 1 |
| PTER | 0.3816421 | 0.3037985 | 1.2562 | 0.209 | 0.3878971 | count | 1 |
| IL1RAP | 0.323347 | 0.1945145 | 1.6623 | 0.0966 | 0.387909955 | count | 1 |
| CCSAP | 0.2947235 | 0.1914443 | 1.5395 | 0.124 | 0.388063389 | count | 1 |
| SLC35B3 | 0.357396 | 0.3291978 | 1.0857 | 0.278 | 0.388086581 | count | 1 |
| MDM2 | 0.294593 | 0.1645031 | 1.7908 | 0.0734 | 0.388157087 | count | 1 |
| NUDT12 | 0.6362018 | 0.4832065 | 1.3166 | 0.188 | 0.38816314 | count | 1 |
| YPEL5 | 0.2733962 | 0.0749991 | 3.6453 | 0.000273 | 0.388330767 | count | 1 |
| ADCY7 | 0.3135821 | 0.1708831 | 1.8351 | 0.0666 | 0.388591251 | count | 1 |
| OSGEPL1 | 0.5436655 | 0.4477961 | 1.2141 | 0.225 | 0.388594086 | count | 1 |
| ATP13A2 | 0.3629818 | 0.2810765 | 1.2914 | 0.197 | 0.388666806 | count | 1 |
| CCNY | 0.2830164 | 0.1085087 | 2.6082 | 0.00916 | 0.388786373 | count | 1 |
| PRRG4 | 0.3350603 | 0.2840652 | 1.1795 | 0.238 | 0.388871347 | count | 1 |
| VPS45 | 0.3496514 | 0.2642181 | 1.3233 | 0.186 | 0.389096612 | count | 1 |
| RAB29 | 0.3038649 | 0.1670778 | 1.8187 | 0.0691 | 0.389135253 | count | 1 |
| ACAD8 | 0.4752127 | 0.390869 | 1.2158 | 0.224 | 0.389167647 | count | 1 |
| B9D2 | 0.36086 | 0.2749886 | 1.3123 | 0.19 | 0.389198457 | count | 1 |
| CASK | 0.387025 | 0.3170367 | 1.2208 | 0.222 | 0.38929547 | count | 1 |
| METR1 | 0.310821 | 0.2317966 | 1.3409 | 0.18 | 0.389296863 | count | 1 |
| TRAPPC2 | 0.3587948 | 0.3276653 | 1.095 | 0.274 | 0.389642909 | count | 1 |
| ZNF2 | 0.9503231 | 0.7566291 | 1.256 | 0.209 | 0.389650204 | count | 1 |
| SCD5 | 0.9503231 | 0.8761219 | 1.0847 | 0.278 | 0.389650204 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-----------|
| AC012306.2 | 0.33328 | 0.2675562 | 1.2456 | 0.213 | 0.389753055 | count | 1 |
| ZNF398 | 0.5451966 | 0.6983322 | 0.7807 | 0.435 | 0.389766647 | count | 1 |
| CCPG1 | 0.2781605 | 0.0982972 | 2.8298 | 0.0047 | 0.389780185 | count | 1 |
| CEP85 | 0.4529898 | 0.488777 | 0.9268 | 0.354 | 0.389828724 | count | 1 |
| TRMT6 | 0.2829052 | 0.1514084 | 1.8685 | 0.0618 | 0.389928241 | count | 1 |
| STK26 | 0.3567704 | 0.3075046 | 1.1602 | 0.246 | 0.389992871 | count | 1 |
| SLC22A18 | 0.3030179 | 0.2042613 | 1.4835 | 0.138 | 0.39023099 | count | 1 |
| AC104986.2 | 0.4764606 | 1.0664414 | 0.4468 | 0.655 | 0.390245707 | count | 1 |
| C12orf66 | 0.4764606 | 0.4951158 | 0.9623 | 0.336 | 0.390245707 | count | 1 |
| ZNF587B | 0.5061233 | 0.6967169 | 0.7264 | 0.468 | 0.390248281 | count | 1 |
| C3orf58 | 0.2859631 | 0.1336583 | 2.1395 | 0.0325 | 0.390497311 | count | 1 |
| EPM2AIP1 | 0.3193197 | 0.2040725 | 1.5647 | 0.118 | 0.390866184 | count | 1 |
| CHCHD5 | 0.2833354 | 0.1137367 | 2.4912 | 0.0128 | 0.390918221 | count | 1 |
| CYTIP | 0.2743734 | 0.0652564 | 4.2045 | 2.71E-05 | 0.390942285 | count | 0.6399936 |
| CD300E | 0.2878029 | 0.1488851 | 1.9331 | 0.0533 | 0.390985311 | count | 1 |
| KIAA2013 | 0.3041873 | 0.1525218 | 1.9944 | 0.0462 | 0.391326913 | count | 1 |
| AC007686.3 | 0.5472907 | 0.5261833 | 1.0401 | 0.298 | 0.39137094 | count | 1 |
| PARD6A | 0.3323263 | 0.2992695 | 1.1105 | 0.267 | 0.391412421 | count | 1 |
| CD46 | 0.2765947 | 0.0815605 | 3.3913 | 0.000707 | 0.391424199 | count | 1 |
| CPSF6 | 0.3055583 | 0.1898209 | 1.6097 | 0.108 | 0.391782765 | count | 1 |
| VPS72 | 0.3207994 | 0.246137 | 1.3033 | 0.193 | 0.39180379 | count | 1 |
| DDX39B | 0.3024816 | 0.1647417 | 1.8361 | 0.0665 | 0.391914219 | count | 1 |
| SRPRB | 0.3104749 | 0.1840463 | 1.6869 | 0.0917 | 0.391931877 | count | 1 |
| SQLE | 0.3025484 | 0.2812824 | 1.0756 | 0.282 | 0.392001523 | count | 1 |
| ANKRD36C | 0.3940352 | 0.3193734 | 1.2338 | 0.217 | 0.392030787 | count | 1 |
| ADAM10 | 0.2837569 | 0.1090228 | 2.6027 | 0.0093 | 0.392063895 | count | 1 |
| SLC45A4 | 0.42221 | 0.3355788 | 1.2582 | 0.208 | 0.392321563 | count | 1 |
| ATF4 | 0.2819284 | 0.0951145 | 2.9641 | 0.00306 | 0.392713911 | count | 1 |
| TSNAX | 0.2921424 | 0.1297385 | 2.2518 | 0.0244 | 0.392910406 | count | 1 |
| RABGGTA | 0.3198426 | 0.1986227 | 1.6103 | 0.107 | 0.393240264 | count | 1 |
| RPL34 | 0.2730195 | 0.0238611 | 11.442 | 1.43E-29 | 0.393489575 | count | 3.47E-25 |
| HOXB-AS1 | 0.6063892 | 0.4642043 | 1.3063 | 0.192 | 0.393500164 | count | 1 |
| ZNF589 | 0.5285831 | 0.5456342 | 0.9687 | 0.333 | 0.393550541 | count | 1 |
| THNSL2 | 1.1495826 | 0.7441422 | 1.5448 | 0.123 | 0.393581881 | count | 1 |
| RUFY2 | 0.3194515 | 0.3051509 | 1.0469 | 0.295 | 0.393583211 | count | 1 |
| ZNF700 | 0.5286609 | 0.460391 | 1.1483 | 0.251 | 0.393612327 | count | 1 |
| SPATA5 | 0.4573718 | 0.4848187 | 0.9434 | 0.346 | 0.393786459 | count | 1 |
| CHD6 | 0.3154608 | 0.1666053 | 1.8935 | 0.0584 | 0.393830111 | count | 1 |
| USP18 | 0.480745 | 0.489619 | 0.9819 | 0.326 | 0.393948829 | count | 1 |
| PIKFYVE | 0.333525 | 0.215947 | 1.5445 | 0.123 | 0.394186537 | count | 1 |
| MFSD9 | 0.5294653 | 0.5819238 | 0.9099 | 0.363 | 0.394251251 | count | 1 |
| LFNG | 0.2859006 | 0.1372668 | 2.0828 | 0.0374 | 0.39427301 | count | 1 |
| LOXL3 | 0.3962397 | 0.3879942 | 1.0213 | 0.307 | 0.394297904 | count | 1 |
| AZU1 | 0.4579513 | 0.451027 | 1.0154 | 0.31 | 0.394310073 | count | 1 |
| PHF7 | 0.5111872 | 0.5037493 | 1.0148 | 0.31 | 0.394397204 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|---|
| ESYT1 | 0.3252639 | 0.2830578 | 1.1491 | 0.251 | 0.39445697 | count | 1 |
| FAM216A | 0.4062611 | 0.3972084 | 1.0228 | 0.307 | 0.394464663 | count | 1 |
| ARGLU1 | 0.277329 | 0.0726595 | 3.8168 | 0.000139 | 0.394533506 | count | 1 |
| TMEM181 | 0.3772522 | 0.3268697 | 1.1541 | 0.249 | 0.394564685 | count | 1 |
| MKS1 | 1.152821 | 0.7179008 | 1.6058 | 0.108 | 0.394866693 | count | 1 |
| CDC27 | 0.2955251 | 0.1479424 | 1.9976 | 0.0459 | 0.395023393 | count | 1 |
| NAA35 | 0.3431449 | 0.3520906 | 0.9746 | 0.33 | 0.395152922 | count | 1 |
| UNC119 | 0.3046887 | 0.145708 | 2.0911 | 0.0366 | 0.395174799 | count | 1 |
| ICAM5 | 0.5524204 | 0.5244114 | 1.0534 | 0.292 | 0.395303588 | count | 1 |
| SH2B3 | 0.2934565 | 0.1479675 | 1.9832 | 0.0475 | 0.395622209 | count | 1 |
| CDIP1 | 0.3574224 | 0.3041136 | 1.1753 | 0.24 | 0.39562892 | count | 1 |
| FADS3 | 0.323203 | 0.2264329 | 1.4274 | 0.154 | 0.395684778 | count | 1 |
| AL024507.2 | 0.5789258 | 0.8039123 | 0.7201 | 0.472 | 0.395941071 | count | 1 |
| IDH3B | 0.2947614 | 0.1300147 | 2.2671 | 0.0235 | 0.396125637 | count | 1 |
| ADIRF | 0.367197 | 0.5421833 | 0.6773 | 0.498 | 0.396208242 | count | 1 |
| SYT17 | 0.3652193 | 0.413381 | 0.8835 | 0.377 | 0.396794019 | count | 1 |
| AKAP9 | 0.283756 | 0.0836542 | 3.392 | 0.000705 | 0.396994028 | count | 1 |
| ZNF518B | 0.3708499 | 0.3008403 | 1.2327 | 0.218 | 0.397314093 | count | 1 |
| BCL2 | 0.3047076 | 0.1629812 | 1.8696 | 0.0617 | 0.397328957 | count | 1 |
| NEU4 | 0.4041203 | 0.4644827 | 0.87 | 0.384 | 0.397496972 | count | 1 |
| STX10 | 0.2832212 | 0.0948353 | 2.9865 | 0.00285 | 0.397713287 | count | 1 |
| WARS2 | 0.4044714 | 0.3236073 | 1.2499 | 0.211 | 0.397854417 | count | 1 |
| MED31 | 0.3019413 | 0.2165627 | 1.3942 | 0.163 | 0.397910678 | count | 1 |
| LETMD1 | 0.3134541 | 0.1816846 | 1.7253 | 0.0846 | 0.397991753 | count | 1 |
| HDAC6 | 0.3806786 | 0.4687654 | 0.8121 | 0.417 | 0.398251431 | count | 1 |
| RMND5A | 0.319593 | 0.2610163 | 1.2244 | 0.221 | 0.398346679 | count | 1 |
| ATG4D | 0.4218617 | 0.4875544 | 0.8653 | 0.387 | 0.39840951 | count | 1 |
| USP48 | 0.2977023 | 0.1589632 | 1.8728 | 0.0612 | 0.398517741 | count | 1 |
| SNX19 | 0.3719701 | 0.3164088 | 1.1756 | 0.24 | 0.398545865 | count | 1 |
| ATPAF2 | 0.3209941 | 0.2092058 | 1.5343 | 0.125 | 0.398650507 | count | 1 |
| TRIM5 | 0.3420848 | 0.3156098 | 1.0839 | 0.279 | 0.398730403 | count | 1 |
| AC002553.1 | 0.7007662 | 0.5675575 | 1.2347 | 0.217 | 0.399100681 | count | 1 |
| PTEN | 0.2877542 | 0.0786598 | 3.6582 | 0.000259 | 0.399117791 | count | 1 |
| AEN | 0.3887909 | 0.4139955 | 0.9391 | 0.348 | 0.399446511 | count | 1 |
| STK10 | 0.3024394 | 0.1366812 | 2.2127 | 0.027 | 0.399627191 | count | 1 |
| AC106791.1 | 1.1648231 | 0.7983742 | 1.459 | 0.145 | 0.399631357 | count | 1 |
| AL136038.3 | 1.1648231 | 0.7983742 | 1.459 | 0.145 | 0.399631357 | count | 1 |
| MXI1 | 0.2940044 | 0.1324893 | 2.2191 | 0.0266 | 0.399687224 | count | 1 |
| AP003108.2 | 0.6153914 | 0.6392913 | 0.9626 | 0.336 | 0.399839883 | count | 1 |
| SSRP1 | 0.3141694 | 0.2070274 | 1.5175 | 0.129 | 0.399974286 | count | 1 |
| THAP8 | 0.4753496 | 0.491026 | 0.9681 | 0.333 | 0.400048052 | count | 1 |
| TOLLIP | 0.2913047 | 0.1426273 | 2.0424 | 0.0412 | 0.400217007 | count | 1 |
| FOXP4 | 0.423799 | 0.438984 | 0.9654 | 0.334 | 0.400311556 | count | 1 |
| N4BP2L2 | 0.2836926 | 0.0792837 | 3.5782 | 0.000353 | 0.400360584 | count | 1 |
| FAM173B | 0.4239803 | 0.5158314 | 0.8219 | 0.411 | 0.400489584 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|---|
| RTF1 | 0.2857572 | 0.109906 | 2.6 | 0.00938 | 0.400588219 | count | 1 |
| KIAA1147 | 0.3198338 | 0.3234712 | 0.9888 | 0.323 | 0.400718597 | count | 1 |
| HEATR3 | 0.3226394 | 0.2526148 | 1.2772 | 0.202 | 0.400719479 | count | 1 |
| OXR1 | 0.2991333 | 0.139099 | 2.1505 | 0.0316 | 0.400812899 | count | 1 |
| AL117379.1 | 0.6553562 | 0.6978189 | 0.9391 | 0.348 | 0.40094662 | count | 1 |
| YPEL2 | 0.3051791 | 0.1584047 | 1.9266 | 0.0541 | 0.401082077 | count | 1 |
| MRPL9 | 0.3093545 | 0.1844406 | 1.6773 | 0.0936 | 0.401279308 | count | 1 |
| HDDC3 | 0.314432 | 0.1781976 | 1.7645 | 0.0778 | 0.401336671 | count | 1 |
| BMT2 | 0.4390607 | 0.3796787 | 1.1564 | 0.248 | 0.401540776 | count | 1 |
| GSK3A | 0.3153894 | 0.1796573 | 1.7555 | 0.0793 | 0.401543602 | count | 1 |
| KATNAL2 | 0.8529731 | 0.6532852 | 1.3057 | 0.192 | 0.401600276 | count | 1 |
| ICOSLG | 0.3649246 | 0.2914363 | 1.2522 | 0.211 | 0.401676138 | count | 1 |
| SHC1 | 0.348805 | 0.3391736 | 1.0284 | 0.304 | 0.401798138 | count | 1 |
| NPEPL1 | 0.3473709 | 0.2492342 | 1.3938 | 0.164 | 0.40179906 | count | 1 |
| ADPRH | 0.3488172 | 0.2614862 | 1.334 | 0.182 | 0.401812465 | count | 1 |
| TNFRSF14 | 0.2931509 | 0.105367 | 2.7822 | 0.00544 | 0.401847465 | count | 1 |
| BCAR3 | 0.4036477 | 0.3663743 | 1.1017 | 0.271 | 0.401921317 | count | 1 |
| HNRNPH2 | 0.2939622 | 0.1271638 | 2.3117 | 0.0209 | 0.401958436 | count | 1 |
| MBD1 | 0.346378 | 0.2687931 | 1.2886 | 0.198 | 0.402254004 | count | 1 |
| GTDC1 | 0.3702054 | 0.2922862 | 1.2666 | 0.205 | 0.402347564 | count | 1 |
| IRF2 | 0.2879883 | 0.1061215 | 2.7138 | 0.0067 | 0.402541895 | count | 1 |
| SPTSSA | 0.2926416 | 0.1176642 | 2.4871 | 0.0129 | 0.402677676 | count | 1 |
| CLPX | 0.3226914 | 0.1850004 | 1.7443 | 0.0812 | 0.402966654 | count | 1 |
| ITGB5 | 0.3284464 | 0.2175231 | 1.5099 | 0.131 | 0.403088513 | count | 1 |
| SH2D4A | 0.7076719 | 0.4760112 | 1.4867 | 0.137 | 0.403438897 | count | 1 |
| SLC38A10 | 0.3143645 | 0.1767535 | 1.7785 | 0.0754 | 0.40364626 | count | 1 |
| ESS2 | 0.4211529 | 0.4887859 | 0.8616 | 0.389 | 0.403758062 | count | 1 |
| SIGLEC15 | 0.7713801 | 0.6880124 | 1.1212 | 0.262 | 0.403764885 | count | 1 |
| KIAA1551 | 0.2939357 | 0.1186166 | 2.478 | 0.0133 | 0.404313951 | count | 1 |
| SOS1 | 0.331695 | 0.2148606 | 1.5438 | 0.123 | 0.404348957 | count | 1 |
| MIER3 | 0.450349 | 0.5040599 | 0.8934 | 0.372 | 0.40457086 | count | 1 |
| AES | 0.2890869 | 0.086859 | 3.3282 | 0.000887 | 0.404656746 | count | 1 |
| NUB1 | 0.2964908 | 0.1008786 | 2.9391 | 0.00332 | 0.404734129 | count | 1 |
| ACAD10 | 0.5076035 | 0.4175391 | 1.2157 | 0.224 | 0.404851843 | count | 1 |
| ZNF800 | 0.3115487 | 0.1582294 | 1.969 | 0.0491 | 0.404899108 | count | 1 |
| PLXNB2 | 0.3124255 | 0.1647915 | 1.8959 | 0.0581 | 0.404913206 | count | 1 |
| GGACT | 0.4427325 | 0.3869026 | 1.1443 | 0.253 | 0.405044861 | count | 1 |
| YOD1 | 0.4811558 | 0.3408496 | 1.4116 | 0.158 | 0.405193914 | count | 1 |
| RFLNB | 0.2927617 | 0.1551781 | 1.8866 | 0.0593 | 0.405492629 | count | 1 |
| KCNRG | 1.5464032 | 1.0153588 | 1.523 | 0.128 | 0.405507789 | count | 1 |
| AC009404.1 | 0.8605168 | 0.5962275 | 1.4433 | 0.149 | 0.405607624 | count | 1 |
| AL117335.1 | 0.4292063 | 0.3831728 | 1.1201 | 0.263 | 0.40562332 | count | 1 |
| SUPT5H | 0.3022862 | 0.1613972 | 1.8729 | 0.0612 | 0.405780337 | count | 1 |
| FOSL1 | 0.3294349 | 0.224619 | 1.4666 | 0.143 | 0.406048352 | count | 1 |
| TMEM185A | 0.3645984 | 0.3672069 | 0.9929 | 0.321 | 0.406112992 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|---|
| POFUT2 | 0.4439026 | 0.3196172 | 1.3889 | 0.165 | 0.406161931 | count | 1 |
| ANKRD44 | 0.3049242 | 0.1476552 | 2.0651 | 0.039 | 0.406229282 | count | 1 |
| NME3 | 0.2886822 | 0.0928993 | 3.1075 | 0.00191 | 0.406274893 | count | 1 |
| GPR162 | 0.3713117 | 0.3270607 | 1.1353 | 0.256 | 0.406282522 | count | 1 |
| FCER1A | 0.2874366 | 0.2238013 | 1.2843 | 0.199 | 0.406344561 | count | 1 |
| PLPPR2 | 0.3822252 | 0.3309855 | 1.1548 | 0.248 | 0.406672651 | count | 1 |
| CRIM1 | 0.5097858 | 0.4810396 | 1.0598 | 0.289 | 0.406696157 | count | 1 |
| UGGT2 | 0.3594609 | 0.2923764 | 1.2294 | 0.219 | 0.406724491 | count | 1 |
| METAP1D | 0.9868529 | 0.7699899 | 1.2816 | 0.2 | 0.406818414 | count | 1 |
| B4GALT1 | 0.2875651 | 0.0842764 | 3.4122 | 0.000655 | 0.406923029 | count | 1 |
| ACAP2 | 0.2885411 | 0.0851901 | 3.387 | 0.000718 | 0.406997863 | count | 1 |
| COA1 | 0.3152948 | 0.176775 | 1.7836 | 0.0746 | 0.407044874 | count | 1 |
| TRAF6 | 0.4620181 | 0.4014357 | 1.1509 | 0.25 | 0.407060371 | count | 1 |
| USP53 | 0.3170593 | 0.1800096 | 1.7613 | 0.0783 | 0.407140096 | count | 1 |
| SLC7A6 | 0.5942468 | 0.377247 | 1.5752 | 0.115 | 0.407250778 | count | 1 |
| MCTP2 | 0.5460521 | 0.3347981 | 1.631 | 0.103 | 0.407447507 | count | 1 |
| MAP2K4 | 0.3472794 | 0.2396508 | 1.4491 | 0.147 | 0.40790244 | count | 1 |
| KPNB1 | 0.2931341 | 0.1117614 | 2.6229 | 0.00877 | 0.40794132 | count | 1 |
| HGSNAT | 0.3144707 | 0.1810242 | 1.7372 | 0.0825 | 0.408729708 | count | 1 |
| MORC3 | 0.3023742 | 0.1291864 | 2.3406 | 0.0193 | 0.408756156 | count | 1 |
| RSRC2 | 0.2898072 | 0.0878569 | 3.2986 | 0.000985 | 0.408922459 | count | 1 |
| MICB | 0.4742657 | 0.3519462 | 1.3476 | 0.178 | 0.409071852 | count | 1 |
| AL139246.5 | 0.317518 | 0.2235664 | 1.4202 | 0.156 | 0.40908262 | count | 1 |
| ASPHD2 | 0.4553286 | 0.498925 | 0.9126 | 0.362 | 0.409249314 | count | 1 |
| TTI2 | 0.3847195 | 0.3382599 | 1.1373 | 0.256 | 0.409399689 | count | 1 |
| PAXIP1-AS2 | 0.4475174 | 0.3294041 | 1.3586 | 0.174 | 0.409614154 | count | 1 |
| WWP2 | 0.3947697 | 0.2708516 | 1.4575 | 0.145 | 0.409696065 | count | 1 |
| TMEM129 | 0.3556925 | 0.3409203 | 1.0433 | 0.297 | 0.409889001 | count | 1 |
| AC079015.1 | 0.7818753 | 0.669054 | 1.1686 | 0.243 | 0.40989109 | count | 1 |
| LINC02328 | 0.7818753 | 0.6449851 | 1.2122 | 0.226 | 0.40989109 | count | 1 |
| ZNF548 | 0.7818753 | 0.6454322 | 1.2114 | 0.226 | 0.40989109 | count | 1 |
| ENGASE | 0.416492 | 0.3241989 | 1.2847 | 0.199 | 0.410103 | count | 1 |
| CXCL2 | 0.2851979 | 0.0962787 | 2.9622 | 0.00308 | 0.410150063 | count | 1 |
| SLA | 0.2917288 | 0.0832433 | 3.5045 | 0.000466 | 0.410247855 | count | 1 |
| KATNBL1 | 0.3003719 | 0.1254499 | 2.3944 | 0.0167 | 0.410262129 | count | 1 |
| TMEM268 | 0.3990358 | 0.3153003 | 1.2656 | 0.206 | 0.410301536 | count | 1 |
| ATF2 | 0.3285539 | 0.1982094 | 1.6576 | 0.0975 | 0.410377491 | count | 1 |
| MXRA8 | 1.5630278 | 1.188027 | 1.3156 | 0.188 | 0.410501041 | count | 1 |
| TRIM61 | 1.5630278 | 0.7261906 | 2.1524 | 0.0315 | 0.410501041 | count | 1 |
| GGH | 0.3829499 | 0.3768167 | 1.0163 | 0.31 | 0.410627624 | count | 1 |
| MMS22L | 0.4875467 | 0.6621578 | 0.7363 | 0.462 | 0.410863801 | count | 1 |
| HTRA1 | 0.2978572 | 0.1631478 | 1.8257 | 0.068 | 0.410891411 | count | 1 |
| LUC7L2 | 0.3355188 | 0.1863402 | 1.8006 | 0.0719 | 0.410975496 | count | 1 |
| ZNF16 | 0.8706889 | 0.6222925 | 1.3992 | 0.162 | 0.411019497 | count | 1 |
| ALAS1 | 0.3414519 | 0.2279247 | 1.4981 | 0.134 | 0.411125227 | count | 1 |

| | | | | | | | |
|-------------|-----------|-----------|--------|---------|-------------|-------|---|
| CEP83 | 0.3733949 | 0.3130971 | 1.1926 | 0.233 | 0.411225939 | count | 1 |
| ERBIN | 0.3074073 | 0.1419144 | 2.1661 | 0.0304 | 0.411397888 | count | 1 |
| FCGR3B | 0.7848177 | 0.7604354 | 1.0321 | 0.302 | 0.411610747 | count | 1 |
| AZI2 | 0.2998079 | 0.1289271 | 2.3254 | 0.0201 | 0.411782298 | count | 1 |
| LINC02193 | 2.735886 | 1.19696 | 2.2857 | 0.0224 | 0.411865263 | count | 1 |
| DBP | 0.3257824 | 0.2057358 | 1.5835 | 0.113 | 0.412078216 | count | 1 |
| BAZ2B | 0.2962465 | 0.1145751 | 2.5856 | 0.00978 | 0.412106186 | count | 1 |
| TBC1D13 | 0.4776676 | 0.3973238 | 1.2022 | 0.229 | 0.412155017 | count | 1 |
| LIN52 | 1.197267 | 0.705666 | 1.6966 | 0.0899 | 0.412537447 | count | 1 |
| NT5DC1 | 0.3347399 | 0.1984166 | 1.6871 | 0.0917 | 0.412675498 | count | 1 |
| LPCAT1 | 0.3114779 | 0.2089412 | 1.4907 | 0.136 | 0.41268319 | count | 1 |
| FOXP1 | 0.3020258 | 0.1270364 | 2.3775 | 0.0175 | 0.412734671 | count | 1 |
| FAM208A | 0.3170481 | 0.1779735 | 1.7814 | 0.075 | 0.412845059 | count | 1 |
| OGDH | 0.3301152 | 0.1992547 | 1.6567 | 0.0977 | 0.413061423 | count | 1 |
| DNAJC28 | 0.7230893 | 0.8632381 | 0.8376 | 0.402 | 0.413145019 | count | 1 |
| PLD2 | 0.3799856 | 0.3488443 | 1.0893 | 0.276 | 0.413249625 | count | 1 |
| KNTC1 | 0.6740269 | 0.5008143 | 1.3459 | 0.178 | 0.413453747 | count | 1 |
| DONSON | 0.6740269 | 0.4994653 | 1.3495 | 0.177 | 0.413453747 | count | 1 |
| AP001437.1 | 0.5762177 | 0.6255552 | 0.9211 | 0.357 | 0.413597976 | count | 1 |
| PHACTR2 | 0.3027313 | 0.1304398 | 2.3209 | 0.0204 | 0.413703081 | count | 1 |
| BRAT1 | 0.3214448 | 0.2324802 | 1.3827 | 0.167 | 0.41374397 | count | 1 |
| CEP57 | 0.3060454 | 0.1347915 | 2.2705 | 0.0233 | 0.413745701 | count | 1 |
| RNF138 | 0.3301408 | 0.1721313 | 1.918 | 0.0552 | 0.413788125 | count | 1 |
| HECTD4 | 0.3713332 | 0.3503362 | 1.0599 | 0.289 | 0.413788723 | count | 1 |
| STARD7 | 0.3167024 | 0.1724959 | 1.836 | 0.0665 | 0.413792256 | count | 1 |
| LINC02482 | 0.3986262 | 0.4359253 | 0.9144 | 0.361 | 0.413819924 | count | 1 |
| PIPOX | 0.6035419 | 0.6161165 | 0.9796 | 0.327 | 0.414128421 | count | 1 |
| UTP6 | 0.3083418 | 0.1407491 | 2.1907 | 0.0286 | 0.414135308 | count | 1 |
| SNAI3 | 0.4204956 | 0.3704276 | 1.1352 | 0.256 | 0.414186979 | count | 1 |
| BBX | 0.3027329 | 0.112648 | 2.6874 | 0.00725 | 0.414199573 | count | 1 |
| IQCJ-SCHIP1 | 0.8771959 | 0.8338283 | 1.052 | 0.293 | 0.414486293 | count | 1 |
| AL117336.3 | 0.8771959 | 0.7482159 | 1.1724 | 0.241 | 0.414486293 | count | 1 |
| SLX1A | 0.8771959 | 0.7482159 | 1.1724 | 0.241 | 0.414486293 | count | 1 |
| AC026471.4 | 0.8771959 | 0.8610528 | 1.0187 | 0.308 | 0.414486293 | count | 1 |
| GOSR1 | 0.3092884 | 0.1424932 | 2.1705 | 0.0301 | 0.414503703 | count | 1 |
| MTM1 | 0.3924976 | 0.2724093 | 1.4408 | 0.15 | 0.414523517 | count | 1 |
| GLYR1 | 0.3175485 | 0.2051984 | 1.5475 | 0.122 | 0.414564138 | count | 1 |
| ZNF687 | 0.4322522 | 0.4112012 | 1.0512 | 0.293 | 0.41481387 | count | 1 |
| DUSP22 | 0.3110655 | 0.1538745 | 2.0216 | 0.0433 | 0.415108205 | count | 1 |
| ECM1 | 0.5197891 | 0.321726 | 1.6156 | 0.106 | 0.415159138 | count | 1 |
| CCNQ | 0.3165035 | 0.1765982 | 1.7922 | 0.0732 | 0.415161428 | count | 1 |
| TMPPE | 1.004805 | 0.6887817 | 1.4588 | 0.145 | 0.415289212 | count | 1 |
| AC007611.1 | 1.004805 | 0.6542149 | 1.5359 | 0.125 | 0.415289212 | count | 1 |
| ZNF852 | 0.6769846 | 0.5297304 | 1.278 | 0.201 | 0.415439158 | count | 1 |
| AL132639.2 | 0.6769846 | 0.5646385 | 1.199 | 0.231 | 0.415439158 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|---|
| SCRN2 | 0.4271019 | 0.3201662 | 1.334 | 0.182 | 0.415463908 | count | 1 |
| GATM | 0.3061106 | 0.1498861 | 2.0423 | 0.0412 | 0.415731163 | count | 1 |
| ZNF692 | 1.0059036 | 0.7286817 | 1.3804 | 0.168 | 0.415808283 | count | 1 |
| ZBTB4 | 0.3297204 | 0.2045456 | 1.612 | 0.107 | 0.415882763 | count | 1 |
| IPO11 | 0.5570259 | 0.6218027 | 0.8958 | 0.37 | 0.416200341 | count | 1 |
| FAM76A | 0.3207747 | 0.2193487 | 1.4624 | 0.144 | 0.41622659 | count | 1 |
| GATD3A | 0.6389375 | 0.7141309 | 0.8947 | 0.371 | 0.416474614 | count | 1 |
| PSMG3 | 0.3121013 | 0.1888338 | 1.6528 | 0.0985 | 0.416709083 | count | 1 |
| MRPS22 | 0.315716 | 0.1579555 | 1.9988 | 0.0457 | 0.417031446 | count | 1 |
| ABL1 | 0.4094828 | 0.3641141 | 1.1246 | 0.261 | 0.417126247 | count | 1 |
| YIPF4 | 0.3062385 | 0.1301464 | 2.353 | 0.0187 | 0.417337442 | count | 1 |
| MACROD1 | 0.4188103 | 0.3931382 | 1.0653 | 0.287 | 0.417548436 | count | 1 |
| NVL | 0.4483483 | 0.3306119 | 1.3561 | 0.175 | 0.417649982 | count | 1 |
| AC048341.1 | 0.7303392 | 0.7717066 | 0.9464 | 0.344 | 0.417719015 | count | 1 |
| ZBTB18 | 0.3841517 | 0.3651326 | 1.0521 | 0.293 | 0.417897117 | count | 1 |
| DCAF16 | 0.3841517 | 0.3152026 | 1.2187 | 0.223 | 0.417897117 | count | 1 |
| SLC35C2 | 0.3382479 | 0.2055985 | 1.6452 | 0.1 | 0.41791361 | count | 1 |
| FAM120B | 0.3926256 | 0.3824512 | 1.0266 | 0.305 | 0.418048632 | count | 1 |
| TMEM119 | 1.2121041 | 0.7125142 | 1.7012 | 0.089 | 0.418450978 | count | 1 |
| KLF10 | 0.3008716 | 0.1118759 | 2.6893 | 0.00721 | 0.418513341 | count | 1 |
| BCKDHB | 0.5827137 | 0.5205743 | 1.1194 | 0.263 | 0.41860599 | count | 1 |
| HLA-F | 0.2958679 | 0.075751 | 3.9058 | 9.65E-05 | 0.418703575 | count | 1 |
| DNAH1 | 1.2136261 | 0.7905475 | 1.5352 | 0.125 | 0.419057957 | count | 1 |
| AC011416.3 | 1.2136261 | 0.7978174 | 1.5212 | 0.128 | 0.419057957 | count | 1 |
| STXBP4 | 1.2136261 | 0.832662 | 1.4575 | 0.145 | 0.419057957 | count | 1 |
| ZNF304 | 1.2136261 | 0.9329251 | 1.3009 | 0.193 | 0.419057957 | count | 1 |
| RSF1 | 0.3006935 | 0.1142932 | 2.6309 | 0.00857 | 0.419096499 | count | 1 |
| LRRRC61 | 0.682621 | 0.5788251 | 1.1793 | 0.238 | 0.419225763 | count | 1 |
| ATP10A | 0.682621 | 0.5916456 | 1.1538 | 0.249 | 0.419225763 | count | 1 |
| SDR42E2 | 0.682621 | 0.5949877 | 1.1473 | 0.251 | 0.419225763 | count | 1 |
| KRBOX4 | 0.5420088 | 0.3686748 | 1.4702 | 0.142 | 0.419732631 | count | 1 |
| TELO2 | 0.3884506 | 0.3374794 | 1.151 | 0.25 | 0.419754674 | count | 1 |
| IRF3 | 0.3218378 | 0.1730557 | 1.8597 | 0.063 | 0.419858776 | count | 1 |
| RBM15B | 0.3747516 | 0.2253876 | 1.6627 | 0.0965 | 0.420011943 | count | 1 |
| ZNHIT3 | 0.3049801 | 0.1243192 | 2.4532 | 0.0142 | 0.420028331 | count | 1 |
| RNF144B | 0.3249504 | 0.1115472 | 2.9131 | 0.00361 | 0.420055969 | count | 1 |
| ECHDC2 | 0.4212518 | 0.4099647 | 1.0275 | 0.304 | 0.420067657 | count | 1 |
| HMBOX1 | 0.3710496 | 0.2919215 | 1.2711 | 0.204 | 0.420124395 | count | 1 |
| DCUN1D3 | 0.3488186 | 0.2288762 | 1.524 | 0.128 | 0.420136084 | count | 1 |
| WDR33 | 0.3081453 | 0.1219187 | 2.5275 | 0.0116 | 0.420173007 | count | 1 |
| ADNP2 | 0.3554301 | 0.3117236 | 1.1402 | 0.254 | 0.420535031 | count | 1 |
| USF1 | 0.3566634 | 0.2778614 | 1.2836 | 0.199 | 0.42059501 | count | 1 |
| TMEM238 | 0.3680309 | 0.3856655 | 0.9543 | 0.34 | 0.420650562 | count | 1 |
| DOCK2 | 0.3027838 | 0.1165492 | 2.5979 | 0.00944 | 0.420750869 | count | 1 |
| NUAK2 | 0.4269377 | 0.368944 | 1.1572 | 0.247 | 0.42076304 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| TAF8 | 0.3568137 | 0.2509911 | 1.4216 | 0.155 | 0.420775421 | count | 1 |
| CACNB1 | 1.5975089 | 0.9181603 | 1.7399 | 0.082 | 0.42084161 | count | 1 |
| MYOM1 | 1.5975089 | 0.9489505 | 1.6834 | 0.0924 | 0.42084161 | count | 1 |
| LZTS2 | 0.3444949 | 0.3388704 | 1.0166 | 0.309 | 0.421167842 | count | 1 |
| ZNF654 | 0.3539364 | 0.3016756 | 1.1732 | 0.241 | 0.421441293 | count | 1 |
| ZBTB10 | 0.3671171 | 0.204018 | 1.7994 | 0.0721 | 0.421484824 | count | 1 |
| TGFBR2 | 0.306621 | 0.1098767 | 2.7906 | 0.0053 | 0.421591921 | count | 1 |
| LINC00309 | 2.815831 | 0.9341503 | 3.0143 | 0.0026 | 0.421638379 | count | 1 |
| HCK | 0.2994135 | 0.0846371 | 3.5376 | 0.000411 | 0.421659228 | count | 1 |
| RIPOR1 | 0.3426401 | 0.2304801 | 1.4866 | 0.137 | 0.421662698 | count | 1 |
| ZNF354A | 0.3804893 | 0.265355 | 1.4339 | 0.152 | 0.421780869 | count | 1 |
| PDSS2 | 0.3827827 | 0.3133725 | 1.2215 | 0.222 | 0.421820053 | count | 1 |
| SMAD4 | 0.3532219 | 0.2445401 | 1.4444 | 0.149 | 0.421867055 | count | 1 |
| SPPL2B | 0.4065272 | 0.3106176 | 1.3088 | 0.191 | 0.422274696 | count | 1 |
| AC114760.2 | 0.410371 | 0.3521979 | 1.1652 | 0.244 | 0.422327904 | count | 1 |
| MAT2B | 0.3378838 | 0.1831678 | 1.8447 | 0.0652 | 0.422902336 | count | 1 |
| SYNJ1 | 0.3840742 | 0.2706358 | 1.4192 | 0.156 | 0.423278318 | count | 1 |
| C15orf39 | 0.3412708 | 0.236862 | 1.4408 | 0.15 | 0.423361397 | count | 1 |
| SERINC3 | 0.3072488 | 0.1332978 | 2.305 | 0.0213 | 0.4233899 | count | 1 |
| KCTD21 | 0.7393218 | 0.5494157 | 1.3457 | 0.179 | 0.423394661 | count | 1 |
| NEK7 | 0.3479794 | 0.2047856 | 1.6992 | 0.0894 | 0.423475114 | count | 1 |
| CLECT7A | 0.2965536 | 0.0547053 | 5.4209 | 6.51E-08 | 0.423618692 | count | 0.001557322 |
| FKBP5 | 0.3110796 | 0.0791263 | 3.9314 | 8.68E-05 | 0.42385154 | count | 1 |
| RNF141 | 0.3089542 | 0.1351753 | 2.2856 | 0.0224 | 0.423874321 | count | 1 |
| DICER1-AS1 | 0.6168055 | 0.6200905 | 0.9947 | 0.32 | 0.423963176 | count | 1 |
| AHCYL1 | 0.3167692 | 0.1382842 | 2.2907 | 0.0221 | 0.424006582 | count | 1 |
| CDC14B | 2.8357771 | 1.343483 | 2.1108 | 0.0349 | 0.424010405 | count | 1 |
| AF111167.2 | 0.8954696 | 0.5172438 | 1.7312 | 0.0835 | 0.42424194 | count | 1 |
| ATM | 0.3215652 | 0.1562552 | 2.0579 | 0.0397 | 0.424257419 | count | 1 |
| ARFGF2 | 0.3827419 | 0.2606628 | 1.4683 | 0.142 | 0.42433805 | count | 1 |
| SPIN1 | 0.3334613 | 0.2183875 | 1.5269 | 0.127 | 0.424802039 | count | 1 |
| SLTM | 0.3021549 | 0.0859269 | 3.5164 | 0.000445 | 0.424848328 | count | 1 |
| AC004865.2 | 0.4054068 | 0.3218895 | 1.2595 | 0.208 | 0.424903676 | count | 1 |
| TRIM72 | 2.8433975 | 1.700759 | 1.6718 | 0.0947 | 0.424909694 | count | 1 |
| APOL2 | 0.3629118 | 0.2608635 | 1.3912 | 0.164 | 0.425062344 | count | 1 |
| CYTH2 | 0.3168839 | 0.1464267 | 2.1641 | 0.0306 | 0.425125732 | count | 1 |
| ZNF621 | 0.6512179 | 0.4765068 | 1.3666 | 0.172 | 0.425179877 | count | 1 |
| LDLRAP1 | 0.4638539 | 0.4186031 | 1.1081 | 0.268 | 0.425239482 | count | 1 |
| ZNF655 | 0.3150261 | 0.1490523 | 2.1135 | 0.0347 | 0.425343599 | count | 1 |
| SMG9 | 0.421695 | 0.2970231 | 1.4197 | 0.156 | 0.425374765 | count | 1 |
| Z93930.2 | 0.3963463 | 0.3703401 | 1.0702 | 0.285 | 0.425388736 | count | 1 |
| FITM2 | 0.5915252 | 0.5190017 | 1.1397 | 0.255 | 0.42540858 | count | 1 |
| TOGARAM1 | 0.3777862 | 0.3391606 | 1.1139 | 0.265 | 0.425746989 | count | 1 |
| ATXN7 | 0.5494381 | 0.9557184 | 0.5749 | 0.565 | 0.42586033 | count | 1 |
| LOH12CR2 | 0.8985259 | 0.6444169 | 1.3943 | 0.163 | 0.425876375 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|---|
| PROCA1 | 0.5044515 | 0.4832796 | 1.0438 | 0.297 | 0.42589044 | count | 1 |
| CPNE1 | 0.3156873 | 0.1045579 | 3.0193 | 0.00256 | 0.426241348 | count | 1 |
| PPP1R10 | 0.3010307 | 0.0834338 | 3.608 | 0.000315 | 0.426443823 | count | 1 |
| CCDC71 | 0.5698545 | 0.5169591 | 1.1023 | 0.27 | 0.426454582 | count | 1 |
| MRPL44 | 0.3458779 | 0.2098415 | 1.6483 | 0.0994 | 0.426596918 | count | 1 |
| ANKRD13A | 0.3242577 | 0.1912486 | 1.6955 | 0.0901 | 0.426661914 | count | 1 |
| TMUB2 | 0.324035 | 0.1776988 | 1.8235 | 0.0683 | 0.426962246 | count | 1 |
| MED13L | 0.3214332 | 0.1354554 | 2.373 | 0.0177 | 0.426969036 | count | 1 |
| ING4 | 0.3596343 | 0.2375945 | 1.5136 | 0.13 | 0.426990445 | count | 1 |
| C9orf139 | 0.5708744 | 0.4106811 | 1.3901 | 0.165 | 0.427270815 | count | 1 |
| DPM1 | 0.3287034 | 0.1817212 | 1.8088 | 0.0706 | 0.427395367 | count | 1 |
| STK35 | 0.4286738 | 0.3848026 | 1.114 | 0.265 | 0.427730836 | count | 1 |
| IL4R | 0.3358017 | 0.2100022 | 1.599 | 0.11 | 0.427815759 | count | 1 |
| GALNT12 | 0.5349593 | 1.0117967 | 0.5287 | 0.597 | 0.428021333 | count | 1 |
| KIF3A | 0.4083878 | 0.3354193 | 1.2175 | 0.224 | 0.428121888 | count | 1 |
| KDM5A | 0.3104422 | 0.1348292 | 2.3025 | 0.0214 | 0.428246657 | count | 1 |
| NRP1 | 0.306244 | 0.1105009 | 2.7714 | 0.00562 | 0.428335508 | count | 1 |
| CYTH1 | 0.3098498 | 0.1589999 | 1.9487 | 0.0514 | 0.428506961 | count | 1 |
| IL10RA | 0.3049549 | 0.0947849 | 3.2173 | 0.00131 | 0.428602176 | count | 1 |
| RRS1 | 0.4023887 | 0.318236 | 1.2644 | 0.206 | 0.42873976 | count | 1 |
| PPP2R1A | 0.3145658 | 0.1284848 | 2.4483 | 0.0144 | 0.428740634 | count | 1 |
| BTBD6 | 0.3436911 | 0.219008 | 1.5693 | 0.117 | 0.428771119 | count | 1 |
| CARHSP1 | 0.3141469 | 0.1404392 | 2.2369 | 0.0254 | 0.429270098 | count | 1 |
| SUPT7L | 0.3512115 | 0.3016601 | 1.1643 | 0.244 | 0.429499976 | count | 1 |
| ADAR | 0.3129964 | 0.1166128 | 2.6841 | 0.00732 | 0.429533529 | count | 1 |
| SERGEF | 0.3667402 | 0.2380178 | 1.5408 | 0.123 | 0.429630703 | count | 1 |
| BLOC1S4 | 0.3226542 | 0.1634219 | 1.9744 | 0.0485 | 0.429784285 | count | 1 |
| TMEM184C | 0.4173974 | 0.3263861 | 1.2788 | 0.201 | 0.42979112 | count | 1 |
| CCDC159 | 0.3429608 | 0.2537674 | 1.3515 | 0.177 | 0.430055432 | count | 1 |
| SMIM13 | 0.3494576 | 0.2261687 | 1.5451 | 0.122 | 0.430170697 | count | 1 |
| YJU2 | 0.355187 | 0.3055446 | 1.1625 | 0.245 | 0.430214981 | count | 1 |
| TTC9 | 1.6290862 | 0.9405895 | 1.732 | 0.0834 | 0.430288411 | count | 1 |
| ZMAT1 | 0.4779409 | 0.2992858 | 1.5969 | 0.11 | 0.430539469 | count | 1 |
| AC096667.1 | 0.3159579 | 0.1415727 | 2.2318 | 0.0257 | 0.430647175 | count | 1 |
| TRIM23 | 0.4875865 | 0.330599 | 1.4749 | 0.14 | 0.430712658 | count | 1 |
| ICK | 0.4044993 | 0.2618423 | 1.5448 | 0.123 | 0.431052518 | count | 1 |
| TMEM42 | 0.4014939 | 0.2879376 | 1.3944 | 0.163 | 0.431066542 | count | 1 |
| RNF169 | 0.3236514 | 0.2093731 | 1.5458 | 0.122 | 0.431121681 | count | 1 |
| ARMC8 | 0.3375728 | 0.1955571 | 1.7262 | 0.0844 | 0.431191112 | count | 1 |
| ZNF768 | 0.4486642 | 0.4321945 | 1.0381 | 0.299 | 0.431193148 | count | 1 |
| CAB39 | 0.3164215 | 0.1323893 | 2.3901 | 0.0169 | 0.431397743 | count | 1 |
| NEK4 | 0.3669309 | 0.287563 | 1.276 | 0.202 | 0.431415251 | count | 1 |
| MFSD11 | 0.3498842 | 0.2348607 | 1.4898 | 0.136 | 0.431606865 | count | 1 |
| ARL17A | 0.4705098 | 0.4287368 | 1.0974 | 0.273 | 0.43161653 | count | 1 |
| XPA | 0.3161863 | 0.1622109 | 1.9492 | 0.0514 | 0.431637775 | count | 1 |

| | | | | | | | |
|-------------|-----------|-----------|--------|----------|-------------|-------|------------|
| SLC25A12 | 0.5242603 | 0.4139089 | 1.2666 | 0.205 | 0.431716183 | count | 1 |
| C7orf43 | 0.3965826 | 0.3208716 | 1.236 | 0.217 | 0.431776686 | count | 1 |
| PIK3C3 | 0.3920345 | 0.2460996 | 1.593 | 0.111 | 0.432270692 | count | 1 |
| RAB3IL1 | 0.4335006 | 0.2119664 | 2.0451 | 0.0409 | 0.432718416 | count | 1 |
| ING2 | 0.308307 | 0.1250178 | 2.4661 | 0.0137 | 0.432863105 | count | 1 |
| ZNF563 | 0.8211393 | 0.7840943 | 1.0472 | 0.295 | 0.432912572 | count | 1 |
| OGFRL1 | 0.3070554 | 0.0863466 | 3.5561 | 0.000384 | 0.432921351 | count | 1 |
| HSPA14 | 0.4443836 | 0.3734834 | 1.1898 | 0.234 | 0.432922723 | count | 1 |
| PCMTD1 | 0.3128536 | 0.1162825 | 2.6905 | 0.00718 | 0.433054418 | count | 1 |
| DDX3Y | 0.3105075 | 0.1117967 | 2.7774 | 0.00552 | 0.433148745 | count | 1 |
| ITCH | 0.350426 | 0.2078292 | 1.6861 | 0.0919 | 0.433167638 | count | 1 |
| UBIAD1 | 0.4066013 | 0.3612047 | 1.1257 | 0.26 | 0.433356392 | count | 1 |
| PRPF8 | 0.3223128 | 0.1482923 | 2.1735 | 0.0298 | 0.433378726 | count | 1 |
| TTYH2 | 0.5261885 | 0.2852385 | 1.8447 | 0.0652 | 0.433396082 | count | 1 |
| ZNF652 | 0.3293591 | 0.1569195 | 2.0989 | 0.0359 | 0.433427954 | count | 1 |
| MLF1 | 0.3552725 | 0.256466 | 1.3853 | 0.166 | 0.433525871 | count | 1 |
| C12orf4 | 0.3775845 | 0.2656353 | 1.4214 | 0.155 | 0.433754143 | count | 1 |
| COLGALT1 | 0.3160854 | 0.1298503 | 2.4342 | 0.015 | 0.433880656 | count | 1 |
| WASHC4 | 0.3176244 | 0.1145558 | 2.7727 | 0.0056 | 0.434255209 | count | 1 |
| C1orf162 | 0.3029971 | 0.049916 | 6.0701 | 1.48E-09 | 0.434333906 | count | 3.56E-05 |
| LMF1 | 0.4142456 | 0.3488919 | 1.1873 | 0.235 | 0.434449043 | count | 1 |
| TAF1C | 0.5799147 | 0.4853658 | 1.1948 | 0.232 | 0.434512197 | count | 1 |
| ACADSB | 0.6644849 | 0.4860965 | 1.367 | 0.172 | 0.434606554 | count | 1 |
| U2SURP | 0.3088013 | 0.0882444 | 3.4994 | 0.000475 | 0.434670963 | count | 1 |
| AP2B1 | 0.3300751 | 0.1980257 | 1.6668 | 0.0957 | 0.434682872 | count | 1 |
| LDHD | 0.9150507 | 0.509546 | 1.7958 | 0.0726 | 0.434726812 | count | 1 |
| SLC25A11 | 0.3150706 | 0.1108083 | 2.8434 | 0.0045 | 0.434871186 | count | 1 |
| ARHGAP29 | 1.2539922 | 0.7461076 | 1.6807 | 0.0929 | 0.435178357 | count | 1 |
| HECTD1 | 0.3191273 | 0.148347 | 2.1512 | 0.0316 | 0.43556028 | count | 1 |
| VEZF1 | 0.331745 | 0.1510824 | 2.1958 | 0.0282 | 0.435645411 | count | 1 |
| CUL2 | 0.3362913 | 0.1777929 | 1.8915 | 0.0587 | 0.435717047 | count | 1 |
| KIAA2026 | 0.3243219 | 0.1782152 | 1.8198 | 0.0689 | 0.435731134 | count | 1 |
| SIRT1 | 0.3420405 | 0.1968619 | 1.7375 | 0.0824 | 0.435851235 | count | 1 |
| SZT2 | 0.419259 | 0.343033 | 1.2222 | 0.222 | 0.435915606 | count | 1 |
| POLM | 0.4274262 | 0.4329046 | 0.9873 | 0.324 | 0.436019065 | count | 1 |
| CNPY3 | 0.3061165 | 0.0573895 | 5.334 | 1.05E-07 | 0.436042783 | count | 0.00250971 |
| PDRG1 | 0.4004268 | 0.2701731 | 1.4821 | 0.138 | 0.436072561 | count | 1 |
| DISC1 | 0.4475978 | 0.3546972 | 1.2619 | 0.207 | 0.43617434 | count | 1 |
| ARG2 | 0.5160831 | 0.4224764 | 1.2216 | 0.222 | 0.436253772 | count | 1 |
| GPT2 | 1.049421 | 0.7656643 | 1.3706 | 0.171 | 0.436428456 | count | 1 |
| LINC02381 | 0.6672064 | 0.5382957 | 1.2395 | 0.215 | 0.436543061 | count | 1 |
| MIA2 | 0.3265663 | 0.1677082 | 1.9472 | 0.0516 | 0.436581288 | count | 1 |
| RPS6KA3 | 0.3228309 | 0.1433975 | 2.2513 | 0.0245 | 0.436717641 | count | 1 |
| ZSCAN16-AS1 | 0.3320954 | 0.1865452 | 1.7802 | 0.0752 | 0.436746254 | count | 1 |
| HK2 | 0.3819752 | 0.323396 | 1.1811 | 0.238 | 0.436931659 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| TAOK2 | 0.5174454 | 0.3959157 | 1.307 | 0.191 | 0.437468772 | count | 1 |
| JDP2 | 0.3118406 | 0.0885922 | 3.52 | 0.000439 | 0.437699713 | count | 1 |
| ELL | 0.3385078 | 0.1638224 | 2.0663 | 0.0389 | 0.437750904 | count | 1 |
| PLD1 | 0.4249234 | 0.2950942 | 1.44 | 0.15 | 0.437791997 | count | 1 |
| FAM161A | 0.5841067 | 0.6602378 | 0.8847 | 0.376 | 0.4378739 | count | 1 |
| DDA1 | 0.3252764 | 0.1745516 | 1.8635 | 0.0625 | 0.437922062 | count | 1 |
| CEP85L | 0.3454971 | 0.2206843 | 1.5656 | 0.118 | 0.437930955 | count | 1 |
| FLVCR1-DT | 0.4077196 | 0.450846 | 0.9043 | 0.366 | 0.43793774 | count | 1 |
| RBBP4 | 0.3190366 | 0.1332015 | 2.3951 | 0.0167 | 0.438128221 | count | 1 |
| C20orf27 | 0.3170026 | 0.0924533 | 3.4288 | 0.000616 | 0.438170481 | count | 1 |
| PPM1L | 0.4861072 | 0.3112974 | 1.5616 | 0.119 | 0.438246177 | count | 1 |
| TIGD3 | 0.6361067 | 0.6640073 | 0.958 | 0.338 | 0.438317175 | count | 1 |
| COL4A2-AS2 | 0.6361067 | 0.6383046 | 0.9966 | 0.319 | 0.438317175 | count | 1 |
| TMEM218 | 0.3380033 | 0.1809295 | 1.8681 | 0.0619 | 0.438377105 | count | 1 |
| UGGT1 | 0.3609301 | 0.2195438 | 1.644 | 0.1 | 0.438394282 | count | 1 |
| NCAPG2 | 0.6083191 | 0.4442138 | 1.3694 | 0.171 | 0.438403375 | count | 1 |
| COQ9 | 0.372771 | 0.2540548 | 1.4673 | 0.142 | 0.438410141 | count | 1 |
| ZKSCAN5 | 0.9222498 | 0.6215741 | 1.4837 | 0.138 | 0.438589455 | count | 1 |
| TFAP4 | 0.9222498 | 0.5851685 | 1.576 | 0.115 | 0.438589455 | count | 1 |
| NR4A2 | 0.305886 | 0.0574241 | 5.3268 | 1.09E-07 | 0.438606229 | count | 0.002605209 |
| FOXO3 | 0.3189462 | 0.1178216 | 2.707 | 0.00684 | 0.438608723 | count | 1 |
| WDR74 | 0.3578102 | 0.2296138 | 1.5583 | 0.119 | 0.438684132 | count | 1 |
| PSMD9 | 0.3731088 | 0.2029369 | 1.8385 | 0.0661 | 0.438814837 | count | 1 |
| MORN2 | 0.3579444 | 0.2976683 | 1.2025 | 0.229 | 0.438851074 | count | 1 |
| HMGCS1 | 0.3773838 | 0.3360723 | 1.1229 | 0.262 | 0.438984875 | count | 1 |
| AC008906.1 | 1.658246 | 1.305714 | 1.27 | 0.204 | 0.438988329 | count | 1 |
| AC012150.2 | 1.658246 | 1.379544 | 1.202 | 0.229 | 0.438988329 | count | 1 |
| BTN3A1 | 0.4347836 | 0.3174905 | 1.3694 | 0.171 | 0.439037129 | count | 1 |
| MBNL1 | 0.3108142 | 0.0836842 | 3.7141 | 0.000208 | 0.439267988 | count | 1 |
| CEACAM3 | 0.7126829 | 0.4481576 | 1.5903 | 0.112 | 0.43948796 | count | 1 |
| SCAP | 0.4509853 | 0.3056207 | 1.4756 | 0.14 | 0.439602778 | count | 1 |
| AC104506.1 | 0.5662181 | 0.4382004 | 1.2921 | 0.196 | 0.439729363 | count | 1 |
| EIF4EBP2 | 0.3307873 | 0.1675028 | 1.9748 | 0.0484 | 0.439732207 | count | 1 |
| ASPSCR1 | 0.3507595 | 0.2133398 | 1.6441 | 0.1 | 0.439957179 | count | 1 |
| JOSD1 | 0.3209541 | 0.1505289 | 2.1322 | 0.0331 | 0.440033766 | count | 1 |
| ZHX2 | 0.8333407 | 0.6737656 | 1.2368 | 0.216 | 0.440098113 | count | 1 |
| CRTC3 | 0.3425474 | 0.2967295 | 1.1544 | 0.248 | 0.440208995 | count | 1 |
| SNHG8 | 0.3127429 | 0.0843518 | 3.7076 | 0.000214 | 0.440296991 | count | 1 |
| TNFRSF10B | 0.3371056 | 0.1484693 | 2.2705 | 0.0233 | 0.44032149 | count | 1 |
| PKN1 | 0.320513 | 0.1172712 | 2.7331 | 0.00632 | 0.440341489 | count | 1 |
| ZNF432 | 0.9257819 | 0.5551172 | 1.6677 | 0.0955 | 0.440486079 | count | 1 |
| TMEM205 | 0.3145898 | 0.0985423 | 3.1924 | 0.00143 | 0.440546159 | count | 1 |
| CYP4V2 | 0.4412364 | 0.3348346 | 1.3178 | 0.188 | 0.440718283 | count | 1 |
| CARD8 | 0.326434 | 0.1375774 | 2.3727 | 0.0177 | 0.440835176 | count | 1 |
| RBPJ | 0.3104508 | 0.0700289 | 4.4332 | 9.69E-06 | 0.440863426 | count | 0.22967238 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-----------|
| DRAIC | 0.6732904 | 1.2052639 | 0.5586 | 0.576 | 0.440875551 | count | 1 |
| TARSL2 | 0.3629426 | 0.324965 | 1.1169 | 0.264 | 0.440876792 | count | 1 |
| ABCG2 | 0.4365815 | 0.5148055 | 0.8481 | 0.396 | 0.440915582 | count | 1 |
| ITPRIPL2 | 0.3230862 | 0.1340031 | 2.411 | 0.016 | 0.440989486 | count | 1 |
| TSG101 | 0.317444 | 0.1090758 | 2.9103 | 0.00364 | 0.441085303 | count | 1 |
| ABHD17B | 0.4806453 | 0.3566328 | 1.3477 | 0.178 | 0.441339272 | count | 1 |
| FOXK1 | 0.3956128 | 0.2619469 | 1.5103 | 0.131 | 0.441503147 | count | 1 |
| TTC33 | 0.4809857 | 0.3653404 | 1.3165 | 0.188 | 0.441666058 | count | 1 |
| RPL17 | 0.3193291 | 0.1130417 | 2.8249 | 0.00477 | 0.44172955 | count | 1 |
| SHISA5 | 0.3196242 | 0.1252809 | 2.5513 | 0.0108 | 0.441739744 | count | 1 |
| PHF20 | 0.3164353 | 0.0916151 | 3.454 | 0.000562 | 0.441845858 | count | 1 |
| ANP32E | 0.3176755 | 0.1027017 | 3.0932 | 0.002 | 0.441961174 | count | 1 |
| ODF3B | 0.3150366 | 0.0886634 | 3.5532 | 0.000388 | 0.442084074 | count | 1 |
| PPP2R5E | 0.327176 | 0.1502588 | 2.1774 | 0.0295 | 0.442162162 | count | 1 |
| OSGIN1 | 0.4332522 | 0.2798297 | 1.5483 | 0.122 | 0.442162272 | count | 1 |
| SETD2 | 0.339187 | 0.1694821 | 2.0013 | 0.0455 | 0.442317647 | count | 1 |
| BRCC3 | 0.3571982 | 0.2091891 | 1.7075 | 0.0878 | 0.442533022 | count | 1 |
| STAMBPL1 | 0.5007768 | 0.4612827 | 1.0856 | 0.278 | 0.442951005 | count | 1 |
| ARMCX2 | 0.5703929 | 0.5344173 | 1.0673 | 0.286 | 0.443186043 | count | 1 |
| ACTL6A | 0.3511405 | 0.2064993 | 1.7004 | 0.0892 | 0.443227047 | count | 1 |
| NDUFB1 | 0.3120392 | 0.0700153 | 4.4567 | 8.70E-06 | 0.443319065 | count | 0.2062857 |
| CDKL3 | 0.5909268 | 0.4770488 | 1.2387 | 0.216 | 0.443348314 | count | 1 |
| PSME1 | 0.3096498 | 0.0437995 | 7.0697 | 2.02E-12 | 0.44351076 | count | 4.87E-08 |
| GBP2 | 0.3218632 | 0.0905394 | 3.555 | 0.000385 | 0.443608743 | count | 1 |
| RRNAD1 | 0.3915441 | 0.3054845 | 1.2817 | 0.2 | 0.443857799 | count | 1 |
| VPS11 | 0.4395082 | 0.3008126 | 1.4611 | 0.144 | 0.443974295 | count | 1 |
| NINJ2 | 0.367328 | 0.2017545 | 1.8207 | 0.0688 | 0.443993141 | count | 1 |
| ZNF282 | 0.7719278 | 0.5339581 | 1.4457 | 0.148 | 0.444073233 | count | 1 |
| ZNF573 | 0.7719278 | 0.5751573 | 1.3421 | 0.18 | 0.444073233 | count | 1 |
| CD1E | 0.3776934 | 0.4054799 | 0.9315 | 0.352 | 0.44430841 | count | 1 |
| FBXW4 | 0.4685826 | 0.4559957 | 1.0276 | 0.304 | 0.444428415 | count | 1 |
| FUT4 | 0.3920828 | 0.3395064 | 1.1549 | 0.248 | 0.444482233 | count | 1 |
| DCAF11 | 0.3822161 | 0.2440053 | 1.5664 | 0.117 | 0.444718156 | count | 1 |
| IQGAP2 | 0.3134094 | 0.0758563 | 4.1316 | 3.72E-05 | 0.445079779 | count | 0.8774364 |
| RAP2A | 0.3295129 | 0.1523216 | 2.1633 | 0.0306 | 0.445338394 | count | 1 |
| NUMB | 0.324754 | 0.1203271 | 2.6989 | 0.007 | 0.445362636 | count | 1 |
| ZNF217 | 0.3320571 | 0.1551604 | 2.1401 | 0.0324 | 0.44541528 | count | 1 |
| INPP4A | 0.3657555 | 0.2189103 | 1.6708 | 0.0949 | 0.445444683 | count | 1 |
| TNPO3 | 0.3738653 | 0.2702168 | 1.3836 | 0.167 | 0.445591919 | count | 1 |
| KCNQ3 | 0.6459964 | 0.5871705 | 1.1002 | 0.271 | 0.445691003 | count | 1 |
| PMS1 | 0.4040846 | 0.2500131 | 1.6163 | 0.106 | 0.445896871 | count | 1 |
| AL691432.2 | 0.4635695 | 0.3978258 | 1.1653 | 0.244 | 0.446100579 | count | 1 |
| NR2C2AP | 0.3935339 | 0.285389 | 1.3789 | 0.168 | 0.446164446 | count | 1 |
| OXA1L | 0.327862 | 0.1145209 | 2.8629 | 0.00423 | 0.446338772 | count | 1 |
| GDPGP1 | 0.6186027 | 0.4641445 | 1.3328 | 0.183 | 0.446379468 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|---|
| ASAP1 | 0.3210252 | 0.1079938 | 2.9726 | 0.00298 | 0.446437228 | count | 1 |
| GPX3 | 0.3838378 | 0.2578783 | 1.4884 | 0.137 | 0.446642732 | count | 1 |
| PPP1R12B | 0.4951904 | 0.3727725 | 1.3284 | 0.184 | 0.446829071 | count | 1 |
| FAM215B | 0.3855503 | 0.3090343 | 1.2476 | 0.212 | 0.44687865 | count | 1 |
| ATF6B | 0.339569 | 0.2259461 | 1.5029 | 0.133 | 0.44697353 | count | 1 |
| ID2-AS1 | 1.284112 | 0.9484273 | 1.3539 | 0.176 | 0.447229986 | count | 1 |
| LRIG1 | 1.284112 | 1.2155904 | 1.0564 | 0.291 | 0.447229986 | count | 1 |
| AC104825.1 | 1.284112 | 1.2188783 | 1.0535 | 0.292 | 0.447229986 | count | 1 |
| AMACR | 1.284112 | 0.9484273 | 1.3539 | 0.176 | 0.447229986 | count | 1 |
| AC011405.1 | 1.284112 | 0.9484273 | 1.3539 | 0.176 | 0.447229986 | count | 1 |
| PXT1 | 1.284112 | 0.9484273 | 1.3539 | 0.176 | 0.447229986 | count | 1 |
| RAMP3 | 1.284112 | 0.9484273 | 1.3539 | 0.176 | 0.447229986 | count | 1 |
| RPA4 | 1.284112 | 0.9484273 | 1.3539 | 0.176 | 0.447229986 | count | 1 |
| TACR2 | 1.284112 | 0.9484273 | 1.3539 | 0.176 | 0.447229986 | count | 1 |
| AL731569.1 | 1.284112 | 1.1513374 | 1.1153 | 0.265 | 0.447229986 | count | 1 |
| MSRB3 | 1.284112 | 1.1513374 | 1.1153 | 0.265 | 0.447229986 | count | 1 |
| KIF23 | 1.284112 | 0.9484273 | 1.3539 | 0.176 | 0.447229986 | count | 1 |
| LARP6 | 1.284112 | 0.9484273 | 1.3539 | 0.176 | 0.447229986 | count | 1 |
| AC092119.2 | 1.284112 | 0.9484273 | 1.3539 | 0.176 | 0.447229986 | count | 1 |
| RTN4RL1 | 1.284112 | 0.9484273 | 1.3539 | 0.176 | 0.447229986 | count | 1 |
| ZNF416 | 1.284112 | 0.9484273 | 1.3539 | 0.176 | 0.447229986 | count | 1 |
| AL441992.1 | 0.422564 | 0.3473337 | 1.2166 | 0.224 | 0.44724034 | count | 1 |
| CCNT1 | 0.3690552 | 0.3006214 | 1.2276 | 0.22 | 0.447282416 | count | 1 |
| UBE2G1 | 0.3459208 | 0.1764191 | 1.9608 | 0.05 | 0.447430951 | count | 1 |
| LDAH | 0.6826029 | 0.5334784 | 1.2795 | 0.201 | 0.447516052 | count | 1 |
| SKP2 | 0.5757488 | 0.4817024 | 1.1952 | 0.232 | 0.447624162 | count | 1 |
| SMAD2 | 0.3435228 | 0.1658527 | 2.0713 | 0.0384 | 0.447635835 | count | 1 |
| OARD1 | 0.3482805 | 0.1817468 | 1.9163 | 0.0554 | 0.447652952 | count | 1 |
| TRMT2B | 0.7778097 | 0.4892869 | 1.5897 | 0.112 | 0.447815894 | count | 1 |
| SFXN5 | 0.4231133 | 0.3112575 | 1.3594 | 0.174 | 0.447839085 | count | 1 |
| NFXL1 | 1.2857405 | 0.5270663 | 2.4394 | 0.0148 | 0.447881911 | count | 1 |
| TNRC6A | 0.3432169 | 0.2175622 | 1.5776 | 0.115 | 0.448000401 | count | 1 |
| UTF1 | 0.3991743 | 0.29291 | 1.3628 | 0.173 | 0.448041159 | count | 1 |
| RGMA | 0.7783745 | 0.5118264 | 1.5208 | 0.128 | 0.448175465 | count | 1 |
| AC015819.2 | 1.074157 | 0.5753207 | 1.8671 | 0.062 | 0.448197188 | count | 1 |
| CLK2 | 0.4800107 | 0.3493108 | 1.3742 | 0.17 | 0.448461094 | count | 1 |
| EVI5 | 0.3290682 | 0.1372357 | 2.3978 | 0.0166 | 0.448484551 | count | 1 |
| MPO | 1.0749195 | 0.7817256 | 1.3751 | 0.169 | 0.448560434 | count | 1 |
| CRTAP | 0.3209997 | 0.0840216 | 3.8204 | 0.000137 | 0.448625391 | count | 1 |
| TMEM39A | 0.4274086 | 0.2483242 | 1.7212 | 0.0853 | 0.448682184 | count | 1 |
| ZNF587 | 0.4663461 | 0.3648893 | 1.278 | 0.201 | 0.448880858 | count | 1 |
| RMDN2 | 0.4977094 | 0.3902209 | 1.2755 | 0.202 | 0.449211349 | count | 1 |
| CCDC91 | 0.3338191 | 0.1328835 | 2.5121 | 0.0121 | 0.449313004 | count | 1 |
| HEATR1 | 0.4358353 | 0.2980247 | 1.4624 | 0.144 | 0.449405084 | count | 1 |
| PANX2 | 0.780313 | 0.7073724 | 1.1031 | 0.27 | 0.449409853 | count | 1 |

| | | | | | | | |
|--------------|-----------|-----------|--------|---------|-------------|-------|---|
| YES1 | 1.6942875 | 0.9317109 | 1.8185 | 0.0691 | 0.449705593 | count | 1 |
| LINC00324 | 0.347802 | 0.213062 | 1.6324 | 0.103 | 0.449887981 | count | 1 |
| RASSF1 | 0.3404517 | 0.1517392 | 2.2437 | 0.0249 | 0.449962626 | count | 1 |
| MRPL10 | 0.3677203 | 0.2265291 | 1.6233 | 0.105 | 0.449995586 | count | 1 |
| AP5M1 | 0.4102672 | 0.2878705 | 1.4252 | 0.154 | 0.450045369 | count | 1 |
| TMEM41B | 0.3486488 | 0.214833 | 1.6229 | 0.105 | 0.45007357 | count | 1 |
| DHX29 | 0.3256986 | 0.1259504 | 2.5859 | 0.00977 | 0.450097004 | count | 1 |
| BRF1 | 0.4453907 | 0.3579729 | 1.2442 | 0.214 | 0.45012545 | count | 1 |
| MTRNR2L8 | 0.3509013 | 0.1452717 | 2.4155 | 0.0158 | 0.451056526 | count | 1 |
| JRKL | 0.4111859 | 0.3292504 | 1.2489 | 0.212 | 0.451079546 | count | 1 |
| AL357054.4 | 1.2937393 | 0.7978871 | 1.6215 | 0.105 | 0.451085186 | count | 1 |
| MPZL3 | 1.2937393 | 0.7758252 | 1.6676 | 0.0955 | 0.451085186 | count | 1 |
| CEMIP2 | 0.3494541 | 0.1805989 | 1.935 | 0.0531 | 0.451123512 | count | 1 |
| ZBTB39 | 1.0807261 | 0.7156995 | 1.51 | 0.131 | 0.451327789 | count | 1 |
| ZNF581 | 0.3519261 | 0.1762138 | 1.9972 | 0.0459 | 0.451352982 | count | 1 |
| APOL3 | 0.4201208 | 0.3333733 | 1.2602 | 0.208 | 0.451638411 | count | 1 |
| ZNF689 | 0.852997 | 0.5001643 | 1.7054 | 0.0882 | 0.451703678 | count | 1 |
| PMS2 | 0.4762115 | 0.3873982 | 1.2293 | 0.219 | 0.451971229 | count | 1 |
| AL928921.2 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| DCDC2B | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| CCDC17 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| S100A1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| KLHDC9 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| LINC01740 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| AL117350.1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| LINC01914 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| ST3GAL5-AS1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| LINC00471 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| SNED1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| LINC00852 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| AC112220.2 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| SLC35G2 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| FGFBP2 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| LINC01093 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| AC008799.2 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| AL137003.1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| HIST1H4J | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| SYNGAP1-AS1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| CAPN11 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| ADGB | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| HOXA1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| AC018645.2 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| ATP6V0E2-AS1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| ATG9B | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| EXTL3-AS1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-----------|
| RUNX1T1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| PKN3 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| AC068580.3 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| AC006299.1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| AP003419.3 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| IDI2-AS1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| MEIG1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| THNSL1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| AC021028.1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| KAZALD1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| AC022075.1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| HIGD1C | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| CCDC62 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| SEC23A-AS1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| AL121820.2 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| CNGB1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| AC027682.4 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| P2RX5 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| PIMREG | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| AC005288.1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| KRT15 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| AP005671.1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| GATA6 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| DBNDD2 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| AC092068.1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| TINCR | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| TDRD12 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| SIX5 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| MMP11 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| AP001043.1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.452014113 | count | 1 |
| CRNKL1 | 0.3551006 | 0.2046949 | 1.7348 | 0.0829 | 0.452090305 | count | 1 |
| KMT2B | 0.3510791 | 0.1944929 | 1.8051 | 0.0712 | 0.452282483 | count | 1 |
| SLC45A3 | 0.8539844 | 0.727081 | 1.1745 | 0.24 | 0.452287625 | count | 1 |
| NADSYN1 | 0.3582999 | 0.2601031 | 1.3775 | 0.168 | 0.452373771 | count | 1 |
| PECAM1 | 0.3271362 | 0.1279983 | 2.5558 | 0.0107 | 0.452502119 | count | 1 |
| MTERF1 | 0.5344457 | 0.5418198 | 0.9864 | 0.324 | 0.452652915 | count | 1 |
| TNFRSF18 | 0.78578 | 0.6587347 | 1.1929 | 0.233 | 0.452893149 | count | 1 |
| ZFY-AS1 | 0.78578 | 0.8712276 | 0.9019 | 0.367 | 0.452893149 | count | 1 |
| FAM200B | 0.3254119 | 0.106555 | 3.0539 | 0.00228 | 0.453051672 | count | 1 |
| ECPAS | 0.3643454 | 0.2427702 | 1.5008 | 0.134 | 0.453236269 | count | 1 |
| TRIM7 | 0.6035605 | 0.3853511 | 1.5663 | 0.117 | 0.45350585 | count | 1 |
| TGFBI | 0.3208168 | 0.0745511 | 4.3033 | 1.75E-05 | 0.453602361 | count | 0.4139975 |
| FXR2 | 0.4713114 | 0.4168014 | 1.1308 | 0.258 | 0.453855292 | count | 1 |
| TMEM116 | 0.502832 | 0.4582958 | 1.0972 | 0.273 | 0.454058543 | count | 1 |
| APOL4 | 1.0864724 | 0.6599989 | 1.6462 | 0.0999 | 0.454068062 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|----------|
| KCTD20 | 0.3295862 | 0.1482079 | 2.2238 | 0.0263 | 0.454216449 | count | 1 |
| GDAP1 | 0.5503103 | 0.4481838 | 1.2279 | 0.22 | 0.454455671 | count | 1 |
| STARD10 | 0.3779645 | 0.2427296 | 1.5571 | 0.12 | 0.454572627 | count | 1 |
| C8orf44 | 0.6582346 | 0.5144515 | 1.2795 | 0.201 | 0.454833275 | count | 1 |
| AC132192.2 | 0.4791201 | 0.4839405 | 0.99 | 0.322 | 0.454849034 | count | 1 |
| PITPNC1 | 0.371657 | 0.2197389 | 1.6914 | 0.0909 | 0.454886277 | count | 1 |
| ITGAE | 0.3316823 | 0.1404525 | 2.3615 | 0.0183 | 0.455003676 | count | 1 |
| ARRDC3-AS1 | 0.7359726 | 0.6268399 | 1.1741 | 0.24 | 0.455259481 | count | 1 |
| ADAT2 | 0.693514 | 0.5802895 | 1.1951 | 0.232 | 0.455310004 | count | 1 |
| COPG1 | 0.3834258 | 0.2339545 | 1.6389 | 0.101 | 0.455755417 | count | 1 |
| PIGL | 0.4877636 | 0.3882509 | 1.2563 | 0.209 | 0.456026431 | count | 1 |
| ADRB1 | 0.7910887 | 0.4407551 | 1.7948 | 0.0728 | 0.456278665 | count | 1 |
| MED13 | 0.3370612 | 0.1684893 | 2.0005 | 0.0456 | 0.456389758 | count | 1 |
| VAV2 | 0.5158168 | 0.4267908 | 1.2086 | 0.227 | 0.456934999 | count | 1 |
| SELENOM | 0.3417144 | 0.1856895 | 1.8402 | 0.0659 | 0.456970928 | count | 1 |
| ANGEL2 | 0.3898372 | 0.2340528 | 1.6656 | 0.0959 | 0.457222152 | count | 1 |
| BMP2 | 0.9577114 | 0.639241 | 1.4982 | 0.134 | 0.457674183 | count | 1 |
| UHRF1BP1L | 0.3456089 | 0.167271 | 2.0662 | 0.0389 | 0.45769671 | count | 1 |
| FRZB | 0.5402134 | 0.7539365 | 0.7165 | 0.474 | 0.457813493 | count | 1 |
| BCL9L | 0.517111 | 0.3801199 | 1.3604 | 0.174 | 0.458139787 | count | 1 |
| PPIL2 | 0.3726688 | 0.2303659 | 1.6177 | 0.106 | 0.458183396 | count | 1 |
| HEBP2 | 0.322453 | 0.0731319 | 4.4092 | 1.08E-05 | 0.458213813 | count | 0.255906 |
| GPR141 | 0.5172189 | 0.3704575 | 1.3962 | 0.163 | 0.458240236 | count | 1 |
| CD28 | 0.4532708 | 0.2957457 | 1.5326 | 0.125 | 0.458372275 | count | 1 |
| SNX14 | 0.3746311 | 0.1984525 | 1.8878 | 0.0592 | 0.458581938 | count | 1 |
| DNAL4 | 0.5076646 | 0.3798589 | 1.3365 | 0.182 | 0.458634605 | count | 1 |
| CXorf56 | 0.429766 | 0.3662829 | 1.1733 | 0.241 | 0.458780815 | count | 1 |
| DIDO1 | 0.3886351 | 0.2537439 | 1.5316 | 0.126 | 0.45901953 | count | 1 |
| EIF4ENIF1 | 0.5181651 | 0.3219174 | 1.6096 | 0.108 | 0.459121204 | count | 1 |
| MSL3 | 0.3354529 | 0.1206251 | 2.781 | 0.00546 | 0.459179911 | count | 1 |
| RAB3IP | 0.6106474 | 0.4794784 | 1.2736 | 0.203 | 0.459213075 | count | 1 |
| SGPP1 | 0.4708002 | 0.2466766 | 1.9086 | 0.0564 | 0.45968738 | count | 1 |
| CCNH | 0.3272732 | 0.0831471 | 3.9361 | 8.51E-05 | 0.459749497 | count | 1 |
| TM2D3 | 0.3408097 | 0.1416847 | 2.4054 | 0.0162 | 0.460025557 | count | 1 |
| PLP2 | 0.322716 | 0.083352 | 3.8717 | 0.000111 | 0.460073541 | count | 1 |
| PFKFB2 | 0.477893 | 0.5991754 | 0.7976 | 0.425 | 0.460453962 | count | 1 |
| SLC48A1 | 0.368989 | 0.2783712 | 1.3255 | 0.185 | 0.460757977 | count | 1 |
| HIST1H2BE | 1.7320997 | 1.010385 | 1.7143 | 0.0866 | 0.460899428 | count | 1 |
| AC099489.1 | 3.1811996 | 2.2894634 | 1.3895 | 0.1648 | 0.460911674 | count | 1 |
| USP27X | 0.9637973 | 0.6772854 | 1.423 | 0.155 | 0.460958752 | count | 1 |
| ZNF623 | 0.9637973 | 0.6804307 | 1.4165 | 0.157 | 0.460958752 | count | 1 |
| SUN1 | 0.4351565 | 0.2721077 | 1.5992 | 0.11 | 0.460975445 | count | 1 |
| PRPF19 | 0.3742236 | 0.1950793 | 1.9183 | 0.0552 | 0.461109259 | count | 1 |
| PIGB | 0.8689982 | 0.5584645 | 1.556 | 0.12 | 0.461177337 | count | 1 |
| MFSD14C | 0.3736063 | 0.308013 | 1.213 | 0.225 | 0.461297892 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-----------|
| DGAT2 | 0.4321413 | 0.3367429 | 1.2833 | 0.2 | 0.461391391 | count | 1 |
| NELFB | 0.3807113 | 0.1983966 | 1.9189 | 0.0551 | 0.461640112 | count | 1 |
| HERC1 | 0.3635561 | 0.2095074 | 1.7353 | 0.0828 | 0.461735661 | count | 1 |
| MAN1A2 | 0.3543188 | 0.159027 | 2.228 | 0.026 | 0.461834397 | count | 1 |
| ZNF529 | 0.6385563 | 0.502118 | 1.2717 | 0.204 | 0.46189538 | count | 1 |
| USP4 | 0.3483651 | 0.1909963 | 1.8239 | 0.0683 | 0.46193574 | count | 1 |
| ZFYVE27 | 0.4237185 | 0.4274579 | 0.9913 | 0.322 | 0.462137263 | count | 1 |
| MCM3AP | 0.3927273 | 0.2810008 | 1.3976 | 0.162 | 0.462336983 | count | 1 |
| ATP5MGL | 0.871462 | 0.6917267 | 1.2598 | 0.208 | 0.462638089 | count | 1 |
| SENP6 | 0.3341336 | 0.1380319 | 2.4207 | 0.0156 | 0.462749779 | count | 1 |
| TXNRD2 | 0.4100586 | 0.2513876 | 1.6312 | 0.103 | 0.462989478 | count | 1 |
| TBC1D30 | 0.4080528 | 0.3586368 | 1.1378 | 0.255 | 0.463007807 | count | 1 |
| INHBA | 0.3683713 | 0.349379 | 1.0544 | 0.292 | 0.463086363 | count | 1 |
| RGP1 | 0.5124008 | 0.3563693 | 1.4378 | 0.151 | 0.463122403 | count | 1 |
| TMEM220 | 0.3679136 | 0.2131676 | 1.7259 | 0.0845 | 0.463238473 | count | 1 |
| RNF20 | 0.3737013 | 0.2329869 | 1.604 | 0.109 | 0.463269384 | count | 1 |
| ZNF37A | 0.4411037 | 0.2478591 | 1.7797 | 0.0753 | 0.463512942 | count | 1 |
| MAPRE3 | 0.5037473 | 0.5365932 | 0.9388 | 0.348 | 0.463552886 | count | 1 |
| AC013394.1 | 0.3593789 | 0.2476869 | 1.4509 | 0.147 | 0.463580559 | count | 1 |
| ANP32A | 0.3284703 | 0.0786576 | 4.176 | 3.07E-05 | 0.46364076 | count | 0.7247042 |
| BCR | 0.705215 | 0.6706567 | 1.0515 | 0.293 | 0.463684104 | count | 1 |
| PCGF3 | 0.4049098 | 0.2458301 | 1.6471 | 0.0997 | 0.463753486 | count | 1 |
| ZFPL1 | 0.3856204 | 0.2324025 | 1.6593 | 0.0972 | 0.463938222 | count | 1 |
| STN1 | 0.3856204 | 0.2207173 | 1.7471 | 0.0807 | 0.463938222 | count | 1 |
| CEP135 | 0.3659608 | 0.2484522 | 1.473 | 0.141 | 0.46418092 | count | 1 |
| NPLOC4 | 0.3840222 | 0.2918642 | 1.3158 | 0.188 | 0.464508746 | count | 1 |
| AC103691.1 | 0.5618584 | 0.4624295 | 1.215 | 0.224 | 0.464566044 | count | 1 |
| RNF175 | 1.108716 | 0.6233494 | 1.7786 | 0.0754 | 0.464689949 | count | 1 |
| ZNF763 | 1.108716 | 0.7529074 | 1.4726 | 0.141 | 0.464689949 | count | 1 |
| CNFN | 0.8043754 | 0.5486275 | 1.4662 | 0.143 | 0.464764512 | count | 1 |
| ATP13A1 | 0.464465 | 0.3212492 | 1.4458 | 0.148 | 0.46478617 | count | 1 |
| ZYG11B | 0.4008281 | 0.2118589 | 1.892 | 0.0586 | 0.46495864 | count | 1 |
| PRPF4 | 0.3621203 | 0.1927704 | 1.8785 | 0.0604 | 0.465105002 | count | 1 |
| AL139384.1 | 0.3952389 | 0.2925966 | 1.3508 | 0.177 | 0.46535093 | count | 1 |
| IWS1 | 0.3458657 | 0.1610273 | 2.1479 | 0.0318 | 0.465440961 | count | 1 |
| MADD | 0.3942932 | 0.3525044 | 1.1185 | 0.263 | 0.465829543 | count | 1 |
| PRPF4B | 0.3309903 | 0.0879613 | 3.7629 | 0.000172 | 0.465926118 | count | 1 |
| POGZ | 0.3732085 | 0.1883106 | 1.9819 | 0.0476 | 0.466097733 | count | 1 |
| AC005837.1 | 1.3317222 | 0.8895824 | 1.497 | 0.135 | 0.466306564 | count | 1 |
| INSR | 0.39097 | 0.1895092 | 2.0631 | 0.0392 | 0.466348867 | count | 1 |
| CCDC106 | 0.4305246 | 0.2659715 | 1.6187 | 0.106 | 0.466526578 | count | 1 |
| MINDY3 | 0.4839783 | 0.3877426 | 1.2482 | 0.212 | 0.466560054 | count | 1 |
| SMIM14 | 0.3401925 | 0.124711 | 2.7278 | 0.00642 | 0.46673093 | count | 1 |
| DPP4 | 0.6741706 | 0.5450017 | 1.237 | 0.216 | 0.466766073 | count | 1 |
| FAM193A | 0.4114357 | 0.2952093 | 1.3937 | 0.164 | 0.466935425 | count | 1 |

| | | | | | | | |
|--------------|-----------|-----------|--------|----------|-------------|-------|---|
| MAD2L2 | 0.3482361 | 0.1582847 | 2.2001 | 0.0279 | 0.467053432 | count | 1 |
| ZNF451 | 0.3662658 | 0.17219 | 2.1271 | 0.0335 | 0.467077427 | count | 1 |
| AL450326.1 | 0.4916937 | 0.4217199 | 1.1659 | 0.244 | 0.46730234 | count | 1 |
| RFX1 | 0.3983045 | 0.2584024 | 1.5414 | 0.123 | 0.467349814 | count | 1 |
| HSPA1B | 0.3268762 | 0.0842697 | 3.8789 | 0.000108 | 0.467393268 | count | 1 |
| MBLAC1 | 0.9758215 | 0.7714671 | 1.2649 | 0.206 | 0.467455748 | count | 1 |
| CACFD1 | 0.9758215 | 0.7969647 | 1.2244 | 0.221 | 0.467455748 | count | 1 |
| LINC00865 | 0.9758215 | 0.9091252 | 1.0734 | 0.283 | 0.467455748 | count | 1 |
| ABCB9 | 0.9758215 | 1.0023479 | 0.9735 | 0.33 | 0.467455748 | count | 1 |
| DOK3 | 0.3535654 | 0.1753056 | 2.0169 | 0.0438 | 0.467731817 | count | 1 |
| FPGT | 0.4287535 | 0.2812588 | 1.5244 | 0.128 | 0.46777974 | count | 1 |
| DOK1 | 0.3643068 | 0.1773045 | 2.0547 | 0.04 | 0.467943457 | count | 1 |
| MIR646HG | 1.75609 | 0.8503709 | 2.0651 | 0.039 | 0.467971775 | count | 1 |
| KLHL36 | 0.3699786 | 0.2593552 | 1.4265 | 0.154 | 0.467994754 | count | 1 |
| RBBP8 | 0.3830841 | 0.2451751 | 1.5625 | 0.118 | 0.46800243 | count | 1 |
| 6-Mar | 0.352133 | 0.1550136 | 2.2716 | 0.0232 | 0.468320898 | count | 1 |
| TBC1D1 | 0.3398056 | 0.1278361 | 2.6581 | 0.00791 | 0.468358293 | count | 1 |
| CNOT3 | 0.4322936 | 0.2846542 | 1.5187 | 0.129 | 0.468497551 | count | 1 |
| FAM91A1 | 0.3526722 | 0.1828152 | 1.9291 | 0.0538 | 0.46904333 | count | 1 |
| CHKB | 0.7127746 | 0.5747549 | 1.2401 | 0.215 | 0.469102871 | count | 1 |
| FUK | 0.8826469 | 0.5771502 | 1.5293 | 0.126 | 0.46927596 | count | 1 |
| PAX8 | 0.4014382 | 0.2920599 | 1.3745 | 0.169 | 0.469351959 | count | 1 |
| CCDC186 | 0.3462352 | 0.1458167 | 2.3745 | 0.0177 | 0.469501846 | count | 1 |
| MED14 | 0.3951452 | 0.3111529 | 1.2699 | 0.204 | 0.469943628 | count | 1 |
| FAM198B | 0.3602284 | 0.1745022 | 2.0643 | 0.0391 | 0.470013335 | count | 1 |
| PIGU | 0.4945579 | 0.4324471 | 1.1436 | 0.253 | 0.470142017 | count | 1 |
| KNSTRN | 0.4752457 | 0.355436 | 1.3371 | 0.181 | 0.470251141 | count | 1 |
| ZMYM3 | 0.4697997 | 0.3816656 | 1.2309 | 0.218 | 0.470323231 | count | 1 |
| YTHDF1 | 0.3581959 | 0.2343695 | 1.5283 | 0.127 | 0.470333669 | count | 1 |
| FAM234A | 0.3898902 | 0.259495 | 1.5025 | 0.133 | 0.470462465 | count | 1 |
| CHPF2 | 0.3933089 | 0.2522304 | 1.5593 | 0.119 | 0.470615994 | count | 1 |
| ASNS | 1.1211981 | 0.8009676 | 1.3998 | 0.162 | 0.470659923 | count | 1 |
| ZNF696 | 1.1211981 | 0.9611637 | 1.1665 | 0.244 | 0.470659923 | count | 1 |
| DDX47 | 1.1211981 | 0.9007285 | 1.2448 | 0.213 | 0.470659923 | count | 1 |
| AL139353.1 | 1.1211981 | 0.8523089 | 1.3155 | 0.188 | 0.470659923 | count | 1 |
| DPEP3 | 1.1211981 | 0.9611637 | 1.1665 | 0.244 | 0.470659923 | count | 1 |
| AC015813.1 | 1.1211981 | 0.9007285 | 1.2448 | 0.213 | 0.470659923 | count | 1 |
| CLDN5 | 1.1211981 | 1.042734 | 1.0752 | 0.282 | 0.470659923 | count | 1 |
| TRAF3IP2-AS1 | 0.4602992 | 0.4543576 | 1.0131 | 0.311 | 0.470737528 | count | 1 |
| NUDT15 | 0.3853915 | 0.246136 | 1.5658 | 0.118 | 0.47086561 | count | 1 |
| RTL8C | 0.3449048 | 0.1418576 | 2.4313 | 0.0151 | 0.470920589 | count | 1 |
| ZFP91 | 0.3837588 | 0.1995679 | 1.9229 | 0.0546 | 0.470989876 | count | 1 |
| KBTBD4 | 0.6798976 | 0.485636 | 1.4 | 0.162 | 0.471062029 | count | 1 |
| ARHGEF11 | 0.4316925 | 0.300197 | 1.438 | 0.151 | 0.471074641 | count | 1 |
| ZNF394 | 0.3499272 | 0.1565914 | 2.2347 | 0.0255 | 0.471131715 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|----------|
| PURA | 0.3435367 | 0.1422796 | 2.4145 | 0.0158 | 0.471138426 | count | 1 |
| TMEM97 | 0.4608968 | 0.363957 | 1.2663 | 0.206 | 0.471369904 | count | 1 |
| MXD3 | 0.625726 | 0.3882198 | 1.6118 | 0.107 | 0.471377926 | count | 1 |
| TIMM44 | 0.4065007 | 0.2591517 | 1.5686 | 0.117 | 0.471677441 | count | 1 |
| FAM102A | 0.8154156 | 0.7369254 | 1.1065 | 0.269 | 0.471829012 | count | 1 |
| DSEL | 1.1238996 | 0.7487911 | 1.501 | 0.133 | 0.471952871 | count | 1 |
| KCTD15 | 1.1238996 | 0.7007901 | 1.6038 | 0.109 | 0.471952871 | count | 1 |
| PARP6 | 0.4531043 | 0.3818578 | 1.1866 | 0.236 | 0.472275052 | count | 1 |
| ARHGEF12 | 0.6055593 | 0.3485538 | 1.7373 | 0.0825 | 0.472396824 | count | 1 |
| NLK | 0.5567919 | 0.4311042 | 1.2915 | 0.197 | 0.472671851 | count | 1 |
| TLR6 | 0.414635 | 0.270013 | 1.5356 | 0.125 | 0.472937274 | count | 1 |
| CYBB | 0.329969 | 0.0456405 | 7.2297 | 6.44E-13 | 0.473025728 | count | 1.55E-08 |
| APPBP2 | 0.4130738 | 0.243412 | 1.697 | 0.0898 | 0.473314012 | count | 1 |
| TMEM91 | 0.3571259 | 0.1877878 | 1.9018 | 0.0573 | 0.473358031 | count | 1 |
| ATAD2B | 0.3712443 | 0.2190285 | 1.695 | 0.0902 | 0.47349937 | count | 1 |
| C9orf72 | 0.3428747 | 0.0949613 | 3.6107 | 0.000312 | 0.473629996 | count | 1 |
| PTRHD1 | 0.3412922 | 0.1006786 | 3.3899 | 0.00071 | 0.473703267 | count | 1 |
| ZCCHC24 | 0.4153824 | 0.5713036 | 0.7271 | 0.467 | 0.473809263 | count | 1 |
| RASSF5 | 0.3483491 | 0.1382284 | 2.5201 | 0.0118 | 0.474377355 | count | 1 |
| SCAPER | 0.3891825 | 0.2853661 | 1.3638 | 0.173 | 0.474438387 | count | 1 |
| AC005280.2 | 0.3699253 | 0.1963216 | 1.8843 | 0.0596 | 0.474691922 | count | 1 |
| SH3BP1 | 0.3569654 | 0.1767657 | 2.0194 | 0.0436 | 0.474795906 | count | 1 |
| ZNF565 | 0.6300008 | 0.4980627 | 1.2649 | 0.206 | 0.474831977 | count | 1 |
| CLPB | 0.3935549 | 0.2155457 | 1.8259 | 0.068 | 0.47495997 | count | 1 |
| DNAJC10 | 0.3639156 | 0.1828626 | 1.9901 | 0.0467 | 0.475270458 | count | 1 |
| IZUMO4 | 0.8929953 | 0.6611426 | 1.3507 | 0.177 | 0.475426851 | count | 1 |
| ZNF441 | 0.8929953 | 0.6554522 | 1.3624 | 0.173 | 0.475426851 | count | 1 |
| SETD9 | 0.3939557 | 0.2342355 | 1.6819 | 0.0927 | 0.475451918 | count | 1 |
| SPRED1 | 0.3524072 | 0.1401766 | 2.514 | 0.012 | 0.475598155 | count | 1 |
| CPEB4 | 0.3461315 | 0.1095217 | 3.1604 | 0.00159 | 0.475695418 | count | 1 |
| ADAMTSL4 | 0.3867139 | 0.2379691 | 1.6251 | 0.104 | 0.47571444 | count | 1 |
| JUP | 0.7663487 | 0.4044452 | 1.8948 | 0.0582 | 0.475921408 | count | 1 |
| AC008040.5 | 1.7839572 | 0.7558647 | 2.3602 | 0.0183 | 0.476155257 | count | 1 |
| SEC24A | 0.4456637 | 0.3702137 | 1.2038 | 0.229 | 0.476265594 | count | 1 |
| KLHL26 | 1.1329583 | 0.7053438 | 1.6062 | 0.108 | 0.47629042 | count | 1 |
| ZBTB16 | 0.9922293 | 0.2485041 | 3.9928 | 6.72E-05 | 0.476336939 | count | 1 |
| ATIC | 0.3921682 | 0.2386881 | 1.643 | 0.101 | 0.476965951 | count | 1 |
| ATXN2L | 0.37301 | 0.2231317 | 1.6717 | 0.0947 | 0.476977604 | count | 1 |
| MRPL46 | 0.3812495 | 0.2106507 | 1.8099 | 0.0704 | 0.477106787 | count | 1 |
| ARAP1 | 0.3613865 | 0.1795461 | 2.0128 | 0.0442 | 0.477548476 | count | 1 |
| TRAPP5 | 0.6118758 | 0.4468988 | 1.3692 | 0.171 | 0.477660826 | count | 1 |
| GPAM | 0.8246293 | 0.6460713 | 1.2764 | 0.202 | 0.477733802 | count | 1 |
| MBOAT1 | 0.6889688 | 0.4271554 | 1.6129 | 0.107 | 0.477874612 | count | 1 |
| FAM8A1 | 0.528229 | 0.3801744 | 1.3894 | 0.165 | 0.478141992 | count | 1 |
| CD3EAP | 0.4410373 | 0.3671866 | 1.2011 | 0.23 | 0.478244676 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| BCLAF1 | 0.3409259 | 0.095361 | 3.5751 | 0.000357 | 0.478289518 | count | 1 |
| RNF111 | 0.3668756 | 0.2113995 | 1.7355 | 0.0828 | 0.478356744 | count | 1 |
| ADCK1 | 0.6897918 | 0.5710315 | 1.208 | 0.227 | 0.478493177 | count | 1 |
| FCER2 | 3.381364 | 1.473398 | 2.2949 | 0.0218 | 0.478782397 | count | 1 |
| AP5B1 | 0.3891933 | 0.2541168 | 1.5316 | 0.126 | 0.478810803 | count | 1 |
| P2RX1 | 0.4896412 | 0.3017984 | 1.6224 | 0.105 | 0.478831672 | count | 1 |
| ODR4 | 0.3878012 | 0.2218647 | 1.7479 | 0.0806 | 0.479085307 | count | 1 |
| PPM1D | 0.4027592 | 0.2295111 | 1.7549 | 0.0794 | 0.479168114 | count | 1 |
| EBLN3P | 0.3643404 | 0.1930504 | 1.8873 | 0.0592 | 0.479176607 | count | 1 |
| CPSF2 | 0.3761369 | 0.2186141 | 1.7206 | 0.0855 | 0.479189302 | count | 1 |
| AC239800.3 | 0.5512456 | 0.4232859 | 1.3023 | 0.193 | 0.47924068 | count | 1 |
| FPR1 | 0.3363643 | 0.064762 | 5.1939 | 2.23E-07 | 0.479316557 | count | 0.005325686 |
| ZNF83 | 0.4165127 | 0.3270405 | 1.2736 | 0.203 | 0.479481479 | count | 1 |
| TPRG1-AS1 | 0.5954182 | 0.4348563 | 1.3692 | 0.171 | 0.47960088 | count | 1 |
| ERMP1 | 0.5119007 | 0.6177594 | 0.8286 | 0.407 | 0.479630224 | count | 1 |
| RAP2C-AS1 | 0.7718708 | 0.640259 | 1.2056 | 0.228 | 0.479688242 | count | 1 |
| ALOX15B | 0.7718708 | 0.5164394 | 1.4946 | 0.135 | 0.479688242 | count | 1 |
| CXCL8 | 0.3332173 | 0.0756194 | 4.4065 | 1.10E-05 | 0.479889616 | count | 0.260623 |
| PRR5 | 0.4368224 | 0.3515801 | 1.2425 | 0.214 | 0.479976085 | count | 1 |
| KCTD3 | 0.5123378 | 0.4510064 | 1.136 | 0.256 | 0.480058353 | count | 1 |
| TTF1 | 0.3698572 | 0.2107866 | 1.7547 | 0.0794 | 0.48010577 | count | 1 |
| NBPF20 | 1.366269 | 1.170204 | 1.1675 | 0.243 | 0.480159885 | count | 1 |
| FLYWCH1 | 0.5306929 | 0.3443795 | 1.541 | 0.123 | 0.480482956 | count | 1 |
| MANBA | 0.3582386 | 0.1403593 | 2.5523 | 0.0108 | 0.480772828 | count | 1 |
| SLC9A7 | 0.4982121 | 0.3449869 | 1.4441 | 0.149 | 0.48086091 | count | 1 |
| GGA3 | 0.4498914 | 0.3447614 | 1.3049 | 0.192 | 0.480920182 | count | 1 |
| FILIP1L | 0.3435034 | 0.1156022 | 2.9714 | 0.00299 | 0.481075945 | count | 1 |
| NLRC4 | 0.4805395 | 0.2925436 | 1.6426 | 0.101 | 0.481481048 | count | 1 |
| DLG4 | 0.5138351 | 0.4057936 | 1.2662 | 0.206 | 0.481525134 | count | 1 |
| PYGL | 0.3507509 | 0.1203923 | 2.9134 | 0.00361 | 0.481585364 | count | 1 |
| ST6GALNAC3 | 0.9036593 | 0.5563254 | 1.6243 | 0.104 | 0.481774531 | count | 1 |
| HMCES | 0.3907791 | 0.2952221 | 1.3237 | 0.186 | 0.481817663 | count | 1 |
| SERTAD2 | 0.3610548 | 0.1517436 | 2.3794 | 0.0174 | 0.481818952 | count | 1 |
| ASH1L-AS1 | 0.5322796 | 0.3987408 | 1.3349 | 0.182 | 0.481990889 | count | 1 |
| CASC3 | 0.3972376 | 0.243615 | 1.6306 | 0.103 | 0.482016111 | count | 1 |
| ZNF292 | 0.3789676 | 0.2357968 | 1.6072 | 0.108 | 0.48219838 | count | 1 |
| UBA3 | 0.374491 | 0.1587547 | 2.3589 | 0.0184 | 0.48224363 | count | 1 |
| NUP107 | 0.4079303 | 0.306835 | 1.3295 | 0.184 | 0.482254875 | count | 1 |
| KANTR | 0.6647679 | 0.6040204 | 1.1006 | 0.271 | 0.482354275 | count | 1 |
| CPTP | 0.4292391 | 0.4105579 | 1.0455 | 0.296 | 0.48263331 | count | 1 |
| ZBTB11 | 0.369325 | 0.1759382 | 2.0992 | 0.0359 | 0.482801392 | count | 1 |
| TNK2 | 0.4422286 | 0.273158 | 1.6189 | 0.106 | 0.482894346 | count | 1 |
| PUS7L | 0.3763685 | 0.2390819 | 1.5742 | 0.116 | 0.483051406 | count | 1 |
| DEDD2 | 0.360802 | 0.1467515 | 2.4586 | 0.014 | 0.48313615 | count | 1 |
| SRP14-AS1 | 0.5686558 | 0.3789541 | 1.5006 | 0.134 | 0.483327013 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| FLAD1 | 0.4026197 | 0.3069435 | 1.3117 | 0.19 | 0.483375247 | count | 1 |
| PCGF5 | 0.3558172 | 0.1255912 | 2.8331 | 0.00465 | 0.483474699 | count | 1 |
| ZNF780B | 0.6191645 | 0.5990546 | 1.0336 | 0.301 | 0.483741338 | count | 1 |
| CDR2 | 0.5563465 | 0.6238762 | 0.8918 | 0.373 | 0.483918625 | count | 1 |
| PCDH12 | 0.7334539 | 0.442228 | 1.6585 | 0.0973 | 0.483959352 | count | 1 |
| SETD6 | 0.5693641 | 0.5248683 | 1.0848 | 0.278 | 0.483963714 | count | 1 |
| RPS13 | 0.3358524 | 0.0257417 | 13.047 | 1.15E-37 | 0.484106305 | count | 2.79E-33 |
| TGFB1 | 0.3401187 | 0.0639223 | 5.3208 | 1.13E-07 | 0.484140442 | count | 0.002700587 |
| C15orf61 | 0.365411 | 0.1545786 | 2.3639 | 0.0182 | 0.484426703 | count | 1 |
| CHP1 | 0.3481155 | 0.0979711 | 3.5532 | 0.000388 | 0.484452546 | count | 1 |
| IL17RE | 0.7343328 | 0.5444714 | 1.3487 | 0.178 | 0.484591813 | count | 1 |
| GSR | 0.3767535 | 0.1822663 | 2.067 | 0.0388 | 0.484652625 | count | 1 |
| AC026803.2 | 0.8355129 | 0.6720962 | 1.2431 | 0.214 | 0.4847192 | count | 1 |
| GDAP2 | 0.3920563 | 0.2045906 | 1.9163 | 0.0554 | 0.485400174 | count | 1 |
| MMS19 | 0.5711949 | 0.4551288 | 1.255 | 0.21 | 0.485609774 | count | 1 |
| AC108673.3 | 0.9103129 | 0.53276 | 1.7087 | 0.0876 | 0.485739659 | count | 1 |
| CKAP2 | 0.3715368 | 0.173261 | 2.1444 | 0.0321 | 0.486115828 | count | 1 |
| ASB13 | 0.6442343 | 0.437174 | 1.4736 | 0.141 | 0.486349243 | count | 1 |
| ARRB1 | 0.3656266 | 0.1707894 | 2.1408 | 0.0324 | 0.486403784 | count | 1 |
| PPM1N | 0.4853198 | 0.2957075 | 1.6412 | 0.101 | 0.486451922 | count | 1 |
| PCOLCE | 0.603529 | 0.6339348 | 0.952 | 0.341 | 0.486557373 | count | 1 |
| HSPA6 | 0.3575444 | 0.2039396 | 1.7532 | 0.0797 | 0.486691654 | count | 1 |
| SYMPK | 0.4021905 | 0.2967591 | 1.3553 | 0.175 | 0.486862353 | count | 1 |
| ZNF747 | 0.6229248 | 0.5540277 | 1.1244 | 0.261 | 0.486880924 | count | 1 |
| ADK | 0.3588884 | 0.1570713 | 2.2849 | 0.0224 | 0.486914711 | count | 1 |
| FGD3 | 0.4589177 | 0.2481788 | 1.8491 | 0.0646 | 0.486942952 | count | 1 |
| AC092490.1 | 0.7825938 | 0.6552482 | 1.1943 | 0.232 | 0.487011834 | count | 1 |
| ABCC6 | 0.8390924 | 0.8575423 | 0.9785 | 0.328 | 0.487019009 | count | 1 |
| TLK1 | 0.3587852 | 0.1639552 | 2.1883 | 0.0287 | 0.487232045 | count | 1 |
| ZNF667-AS1 | 0.6043429 | 0.6524433 | 0.9263 | 0.354 | 0.487255911 | count | 1 |
| SNHG7 | 0.3503621 | 0.10431 | 3.3589 | 0.000795 | 0.48726435 | count | 1 |
| SF3B3 | 0.4069747 | 0.2593476 | 1.5692 | 0.117 | 0.487266953 | count | 1 |
| ZNF524 | 0.3536462 | 0.1246574 | 2.8369 | 0.00459 | 0.487430401 | count | 1 |
| S1PR2 | 0.4864886 | 0.3920274 | 1.241 | 0.215 | 0.487667735 | count | 1 |
| FANCL | 0.4868616 | 0.389719 | 1.2493 | 0.212 | 0.488055776 | count | 1 |
| AC110769.2 | 0.5886732 | 0.4373344 | 1.346 | 0.178 | 0.488110341 | count | 1 |
| CSF2RB | 0.4241024 | 0.1869186 | 2.2689 | 0.0234 | 0.488414113 | count | 1 |
| SOCS6 | 0.4092565 | 0.2701555 | 1.5149 | 0.13 | 0.488568381 | count | 1 |
| PITPNA-AS1 | 0.4346025 | 0.3043268 | 1.4281 | 0.153 | 0.488814154 | count | 1 |
| STK36 | 0.9155404 | 0.6239541 | 1.4673 | 0.142 | 0.488857365 | count | 1 |
| CNEP1R1 | 0.390523 | 0.1910575 | 2.044 | 0.0411 | 0.488870741 | count | 1 |
| CTSO | 0.4324421 | 0.2401801 | 1.8005 | 0.0719 | 0.488883906 | count | 1 |
| CSF1R | 0.3452147 | 0.0693473 | 4.9781 | 6.87E-07 | 0.488894233 | count | 0.016371897 |
| HELQ | 0.413482 | 0.2492017 | 1.6592 | 0.0972 | 0.48894642 | count | 1 |
| SMAD5 | 0.3899873 | 0.2084776 | 1.8706 | 0.0615 | 0.489019338 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-----------|
| TIRAP | 0.5750949 | 0.6742037 | 0.853 | 0.394 | 0.489117663 | count | 1 |
| CELF1 | 0.3636919 | 0.166771 | 2.1808 | 0.0293 | 0.489387436 | count | 1 |
| SLC25A20 | 0.47409 | 0.5133814 | 0.9235 | 0.356 | 0.49023258 | count | 1 |
| IPPK | 0.787613 | 0.5564973 | 1.4153 | 0.157 | 0.490443883 | count | 1 |
| SLC4A8 | 0.5518791 | 0.4979327 | 1.1083 | 0.268 | 0.490588259 | count | 1 |
| ZNF185 | 0.5011975 | 0.3227873 | 1.5527 | 0.121 | 0.490595892 | count | 1 |
| C2CD2L | 0.4660805 | 0.2712631 | 1.7182 | 0.0859 | 0.49061758 | count | 1 |
| CD7 | 0.4701731 | 0.402208 | 1.169 | 0.243 | 0.490663469 | count | 1 |
| AC087645.2 | 0.84512 | 0.5104106 | 1.6558 | 0.0979 | 0.490894367 | count | 1 |
| IFI44L | 0.3590554 | 0.1603723 | 2.2389 | 0.0253 | 0.490950223 | count | 1 |
| FAM126B | 0.484426 | 0.2489437 | 1.9459 | 0.0518 | 0.491052213 | count | 1 |
| SCNM1 | 0.3555354 | 0.1213303 | 2.9303 | 0.00342 | 0.491111652 | count | 1 |
| GPR155 | 0.389847 | 0.1636305 | 2.3825 | 0.0173 | 0.491218168 | count | 1 |
| PDE3B | 0.4346321 | 0.2269642 | 1.915 | 0.0556 | 0.491420124 | count | 1 |
| WDR26 | 0.3713835 | 0.1790918 | 2.0737 | 0.0382 | 0.491497122 | count | 1 |
| HIPK3 | 0.3611637 | 0.1198892 | 3.0125 | 0.00262 | 0.491504304 | count | 1 |
| ZNF273 | 0.6507284 | 0.4873097 | 1.3353 | 0.182 | 0.491612327 | count | 1 |
| GSTM4 | 0.5778738 | 0.3129484 | 1.8465 | 0.0649 | 0.49161834 | count | 1 |
| FAM76B | 0.3885274 | 0.2090585 | 1.8585 | 0.0632 | 0.49175527 | count | 1 |
| ANAPC4 | 0.4120263 | 0.2573013 | 1.6013 | 0.109 | 0.491936403 | count | 1 |
| SHLD2 | 0.3972699 | 0.2617763 | 1.5176 | 0.129 | 0.491950722 | count | 1 |
| ARID3B | 0.4907853 | 0.3442663 | 1.4256 | 0.154 | 0.492138673 | count | 1 |
| COMTD1 | 0.3862273 | 0.1879418 | 2.055 | 0.04 | 0.492197768 | count | 1 |
| INPP1 | 0.4045133 | 0.2750774 | 1.4705 | 0.142 | 0.492231114 | count | 1 |
| TMEM131 | 0.3757258 | 0.2006807 | 1.8723 | 0.0613 | 0.492429521 | count | 1 |
| AMBRA1 | 0.6778979 | 0.5755167 | 1.1779 | 0.239 | 0.492634103 | count | 1 |
| ZNF232 | 0.5939216 | 0.5311191 | 1.1182 | 0.264 | 0.492729424 | count | 1 |
| KIAA1143 | 0.3718653 | 0.2651572 | 1.4024 | 0.161 | 0.492751938 | count | 1 |
| AP001269.4 | 0.5101532 | 0.4602501 | 1.1084 | 0.268 | 0.492877799 | count | 1 |
| SLFN11 | 0.3761407 | 0.1836594 | 2.048 | 0.0407 | 0.492978246 | count | 1 |
| YTHDF3-AS1 | 0.4435258 | 0.3149233 | 1.4084 | 0.159 | 0.493551936 | count | 1 |
| ARL14EP | 0.372261 | 0.1689921 | 2.2028 | 0.0277 | 0.493580484 | count | 1 |
| SETX | 0.3650168 | 0.1376153 | 2.6524 | 0.00804 | 0.493619211 | count | 1 |
| C9orf40 | 0.446251 | 0.4949912 | 0.9015 | 0.367 | 0.493703741 | count | 1 |
| ARF5 | 0.3482461 | 0.0692553 | 5.0284 | 5.30E-07 | 0.493717948 | count | 0.0126352 |
| LINC00909 | 0.4148456 | 0.2903434 | 1.4288 | 0.153 | 0.493821331 | count | 1 |
| TP53RK | 0.3901518 | 0.2136151 | 1.8264 | 0.0679 | 0.493837155 | count | 1 |
| ANKHD1 | 0.4205084 | 0.2274424 | 1.8489 | 0.0646 | 0.493938997 | count | 1 |
| EGLN1 | 0.3981146 | 0.2147276 | 1.854 | 0.0639 | 0.493982382 | count | 1 |
| ECD | 0.3952769 | 0.2203317 | 1.794 | 0.0729 | 0.494045874 | count | 1 |
| SPHK2 | 0.6538835 | 0.3669443 | 1.782 | 0.0749 | 0.494171211 | count | 1 |
| MYC | 0.4985784 | 0.3046308 | 1.6367 | 0.102 | 0.494259764 | count | 1 |
| EIF3H | 0.3458673 | 0.0461007 | 7.5024 | 8.71E-14 | 0.494432074 | count | 2.10E-09 |
| MED1 | 0.4026128 | 0.321972 | 1.2505 | 0.211 | 0.494495985 | count | 1 |
| WAS | 0.3518941 | 0.0789628 | 4.4565 | 8.71E-06 | 0.494538004 | count | 0.2065141 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|----------|
| POGLUT1 | 0.41296 | 0.2442286 | 1.6909 | 0.091 | 0.494564656 | count | 1 |
| LINC01252 | 1.0263421 | 0.7267568 | 1.4122 | 0.158 | 0.494854942 | count | 1 |
| CBWD3 | 0.5053946 | 0.4277344 | 1.1816 | 0.237 | 0.494872549 | count | 1 |
| BDP1 | 0.3561861 | 0.1315425 | 2.7078 | 0.00682 | 0.494932658 | count | 1 |
| MAPKBP1 | 0.7487256 | 0.5520095 | 1.3564 | 0.175 | 0.494961347 | count | 1 |
| ZZEF1 | 0.3734897 | 0.2474725 | 1.5092 | 0.131 | 0.495222642 | count | 1 |
| NIN | 0.3701611 | 0.1419014 | 2.6086 | 0.00915 | 0.495757006 | count | 1 |
| ZNF555 | 0.7128824 | 0.5714194 | 1.2476 | 0.212 | 0.495880166 | count | 1 |
| NAT1 | 0.6144251 | 0.5063534 | 1.2134 | 0.225 | 0.495915815 | count | 1 |
| ATRX | 0.3540877 | 0.0900581 | 3.9318 | 8.67E-05 | 0.496049246 | count | 1 |
| GTF3C3 | 0.4485664 | 0.2743808 | 1.6348 | 0.102 | 0.496334316 | count | 1 |
| C5orf15 | 0.3743482 | 0.1556449 | 2.4051 | 0.0162 | 0.496370069 | count | 1 |
| RRM2B | 0.3875972 | 0.2058297 | 1.8831 | 0.0598 | 0.497044187 | count | 1 |
| GYPC | 0.3496993 | 0.0793953 | 4.4045 | 1.11E-05 | 0.497179259 | count | 0.262959 |
| RBM33 | 0.3780601 | 0.1545235 | 2.4466 | 0.0145 | 0.497380327 | count | 1 |
| KLHL28 | 0.4206547 | 0.2419289 | 1.7388 | 0.0822 | 0.497595767 | count | 1 |
| AL359711.2 | 0.9302852 | 0.5454641 | 1.7055 | 0.0882 | 0.497662438 | count | 1 |
| POLD3 | 0.3818952 | 0.2021124 | 1.8895 | 0.0589 | 0.498130724 | count | 1 |
| PREB | 0.3978405 | 0.214223 | 1.8571 | 0.0634 | 0.49815759 | count | 1 |
| ANXA6 | 0.3798059 | 0.1647539 | 2.3053 | 0.0212 | 0.4982118 | count | 1 |
| ATRN | 0.4226133 | 0.2315799 | 1.8249 | 0.0681 | 0.498237561 | count | 1 |
| TFE3 | 0.4343705 | 0.2286305 | 1.8999 | 0.0576 | 0.498284313 | count | 1 |
| DHTKD1 | 0.6589919 | 0.391187 | 1.6846 | 0.0922 | 0.498316813 | count | 1 |
| FBXL3 | 0.4167289 | 0.1938942 | 2.1493 | 0.0317 | 0.499161497 | count | 1 |
| CAST | 0.3483655 | 0.0441348 | 7.8932 | 4.40E-15 | 0.499162876 | count | 1.06E-10 |
| FKBP11 | 0.5164034 | 0.3587521 | 1.4394 | 0.15 | 0.499174644 | count | 1 |
| TRAF3IP1 | 0.4874985 | 0.3172446 | 1.5367 | 0.125 | 0.499562778 | count | 1 |
| AL445686.2 | 1.0360274 | 0.7432668 | 1.3939 | 0.163 | 0.50012482 | count | 1 |
| LINC01816 | 1.0360274 | 0.8663135 | 1.1959 | 0.232 | 0.50012482 | count | 1 |
| AC064801.1 | 1.0360274 | 0.9984929 | 1.0376 | 0.3 | 0.50012482 | count | 1 |
| SH3BGR | 1.0360274 | 0.7241734 | 1.4306 | 0.153 | 0.50012482 | count | 1 |
| PHF21A | 0.3981013 | 0.2057527 | 1.9349 | 0.0531 | 0.500158422 | count | 1 |
| PIAS1 | 0.3728795 | 0.1695246 | 2.1996 | 0.0279 | 0.500335746 | count | 1 |
| DYM | 0.3907608 | 0.2039517 | 1.9159 | 0.0555 | 0.500550413 | count | 1 |
| AFMID | 0.4218784 | 0.231609 | 1.8215 | 0.0687 | 0.500737589 | count | 1 |
| GVQW3 | 1.4181491 | 0.845284 | 1.6777 | 0.0935 | 0.500962129 | count | 1 |
| LRRC32 | 1.4181491 | 0.8668396 | 1.636 | 0.102 | 0.500962129 | count | 1 |
| AC135279.3 | 1.4181491 | 0.8668396 | 1.636 | 0.102 | 0.500962129 | count | 1 |
| ANKFY1 | 0.4475174 | 0.2636601 | 1.6973 | 0.0898 | 0.500964218 | count | 1 |
| ACTR8 | 0.4250207 | 0.3140527 | 1.3533 | 0.176 | 0.501132909 | count | 1 |
| TBC1D24 | 0.6035605 | 0.3904512 | 1.5458 | 0.122 | 0.501221568 | count | 1 |
| DAAM2 | 3.6827805 | 2.2409033 | 1.6434 | 0.1004 | 0.501237385 | count | 1 |
| STX3 | 0.3867107 | 0.2055587 | 1.8813 | 0.0601 | 0.501245555 | count | 1 |
| TRPM2 | 0.4149572 | 0.2425525 | 1.7108 | 0.0872 | 0.501248002 | count | 1 |
| CKAP5 | 0.4224611 | 0.2366677 | 1.785 | 0.0744 | 0.501442643 | count | 1 |

| | | | | | | | |
|----------|-----------|-----------|--------|----------|-------------|-------|-------------|
| TMEM250 | 0.425444 | 0.2708494 | 1.5708 | 0.116 | 0.50164205 | count | 1 |
| DCBLD2 | 0.6631626 | 0.4393553 | 1.5094 | 0.131 | 0.501703745 | count | 1 |
| ARL5B | 0.3754247 | 0.1573011 | 2.3867 | 0.0171 | 0.502380697 | count | 1 |
| NSUN6 | 0.4291585 | 0.2319989 | 1.8498 | 0.0645 | 0.502449994 | count | 1 |
| HYPK | 0.6418342 | 0.4930083 | 1.3019 | 0.193 | 0.502695503 | count | 1 |
| RBM43 | 0.495624 | 0.3106336 | 1.5955 | 0.111 | 0.502826531 | count | 1 |
| PTPA | 0.4045034 | 0.232581 | 1.7392 | 0.0821 | 0.50298819 | count | 1 |
| ERVK3-1 | 0.4818412 | 0.3611109 | 1.3343 | 0.182 | 0.503252836 | count | 1 |
| NDOR1 | 0.8643347 | 0.5104324 | 1.6933 | 0.0905 | 0.503269768 | count | 1 |
| SMG7 | 0.4214515 | 0.1999617 | 2.1077 | 0.0352 | 0.503402091 | count | 1 |
| CEBPG | 0.373186 | 0.1536235 | 2.4292 | 0.0152 | 0.503439711 | count | 1 |
| TCN2 | 0.3945205 | 0.19167 | 2.0583 | 0.0397 | 0.503544675 | count | 1 |
| DENND4C | 0.3961953 | 0.2030051 | 1.9517 | 0.0511 | 0.503708583 | count | 1 |
| TAF9B | 0.5552514 | 0.4652917 | 1.1933 | 0.233 | 0.503858095 | count | 1 |
| VAMP2 | 0.3598114 | 0.0955469 | 3.7658 | 0.00017 | 0.503866939 | count | 1 |
| ZNF460 | 0.8072474 | 0.4921789 | 1.6402 | 0.101 | 0.50389368 | count | 1 |
| CENPQ | 0.4676153 | 0.3182085 | 1.4695 | 0.142 | 0.504271458 | count | 1 |
| MBD2 | 0.3563081 | 0.0772015 | 4.6153 | 4.13E-06 | 0.504363151 | count | 0.0980875 |
| ABHD18 | 0.4532007 | 0.4389896 | 1.0324 | 0.302 | 0.504604566 | count | 1 |
| MROH6 | 0.4713788 | 0.3997127 | 1.1793 | 0.238 | 0.504607873 | count | 1 |
| DAPK3 | 0.4831036 | 0.3868384 | 1.2489 | 0.212 | 0.504615816 | count | 1 |
| ZSCAN30 | 0.693208 | 0.8427524 | 0.8226 | 0.411 | 0.504646461 | count | 1 |
| CTDSPL2 | 0.3964253 | 0.1884503 | 2.1036 | 0.0355 | 0.504684713 | count | 1 |
| SLC1A4 | 0.4190078 | 0.3299143 | 1.2701 | 0.204 | 0.504839198 | count | 1 |
| DAZAP2 | 0.3553519 | 0.0674389 | 5.2692 | 1.49E-07 | 0.505021194 | count | 0.003560504 |
| USP51 | 0.5222737 | 0.3267425 | 1.5984 | 0.11 | 0.505093023 | count | 1 |
| ATXN3 | 0.3802437 | 0.1648611 | 2.3064 | 0.0212 | 0.50514357 | count | 1 |
| TRAFD1 | 0.5033992 | 0.2592878 | 1.9415 | 0.0523 | 0.505276657 | count | 1 |
| ST7L | 0.4467043 | 0.3545684 | 1.2599 | 0.208 | 0.505409255 | count | 1 |
| C11orf74 | 0.4164399 | 0.3137194 | 1.3274 | 0.184 | 0.505719035 | count | 1 |
| PTK2 | 0.430363 | 0.2898367 | 1.4848 | 0.138 | 0.505754024 | count | 1 |
| NSUN2 | 0.4494074 | 0.2684524 | 1.6741 | 0.0942 | 0.505890426 | count | 1 |
| DNAJB2 | 0.4210671 | 0.2215951 | 1.9002 | 0.0575 | 0.505930396 | count | 1 |
| EIF2B5 | 0.4140333 | 0.2368639 | 1.748 | 0.0806 | 0.506440989 | count | 1 |
| SCIMP | 0.373029 | 0.1122243 | 3.324 | 0.000901 | 0.50668718 | count | 1 |
| PYGB | 0.4604982 | 0.3671515 | 1.2542 | 0.21 | 0.506725116 | count | 1 |
| SATB2 | 1.4332175 | 0.7080976 | 2.024 | 0.0431 | 0.507000635 | count | 1 |
| SPATS2L | 0.3738864 | 0.1422545 | 2.6283 | 0.00863 | 0.507220984 | count | 1 |
| PDS5B | 0.3916807 | 0.1827183 | 2.1436 | 0.0322 | 0.507255645 | count | 1 |
| RASL11A | 0.4488035 | 0.3748426 | 1.1973 | 0.231 | 0.507843234 | count | 1 |
| SERPINB8 | 0.3734117 | 0.1387874 | 2.6905 | 0.00718 | 0.508119207 | count | 1 |
| PDE4DIP | 0.3888263 | 0.184872 | 2.1032 | 0.0355 | 0.508119765 | count | 1 |
| RARA | 0.3691202 | 0.133672 | 2.7614 | 0.0058 | 0.508211147 | count | 1 |
| STX16 | 0.3922298 | 0.2401125 | 1.6335 | 0.102 | 0.508473858 | count | 1 |
| ATXN1L | 0.4750174 | 0.3403368 | 1.3957 | 0.163 | 0.50862403 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|----------|
| EYA3 | 0.4030709 | 0.2297027 | 1.7548 | 0.0794 | 0.508885202 | count | 1 |
| BMS1 | 0.3905141 | 0.2010868 | 1.942 | 0.0522 | 0.50904089 | count | 1 |
| MAP3K12 | 0.3955947 | 0.2547896 | 1.5526 | 0.121 | 0.509162469 | count | 1 |
| ZFAND2B | 0.3840154 | 0.1699372 | 2.2597 | 0.0239 | 0.509897798 | count | 1 |
| SLC25A32 | 0.423349 | 0.2626601 | 1.6118 | 0.107 | 0.510164043 | count | 1 |
| LPP | 0.3769221 | 0.142461 | 2.6458 | 0.0082 | 0.510174933 | count | 1 |
| ZNF18 | 0.8753228 | 0.5033916 | 1.7389 | 0.0822 | 0.510361079 | count | 1 |
| RIC8A | 0.3855167 | 0.1950358 | 1.9766 | 0.0482 | 0.510676473 | count | 1 |
| BAG4 | 0.3820394 | 0.1805823 | 2.1156 | 0.0345 | 0.510800992 | count | 1 |
| HSF1 | 0.391912 | 0.1736367 | 2.2571 | 0.0241 | 0.510881061 | count | 1 |
| RASSF1-AS1 | 0.5088455 | 0.4597156 | 1.1069 | 0.268 | 0.51095497 | count | 1 |
| FANCE | 1.443179 | 0.7157604 | 2.0163 | 0.0439 | 0.510991376 | count | 1 |
| TMEM63A | 0.4849596 | 0.3639572 | 1.3325 | 0.183 | 0.511151885 | count | 1 |
| NKG7 | 0.4349255 | 0.3241207 | 1.3419 | 0.18 | 0.511227045 | count | 1 |
| DDX31 | 0.8180648 | 0.5984478 | 1.367 | 0.172 | 0.511319603 | count | 1 |
| PEX2 | 0.3888625 | 0.150448 | 2.5847 | 0.0098 | 0.511348768 | count | 1 |
| GPSM2 | 0.5742845 | 0.4276958 | 1.3427 | 0.179 | 0.511580402 | count | 1 |
| MBIP | 0.4322963 | 0.3076759 | 1.405 | 0.16 | 0.511643455 | count | 1 |
| FEZ1 | 1.4450717 | 0.5598171 | 2.5813 | 0.0099 | 0.511749234 | count | 1 |
| RYBP | 0.3822058 | 0.1711143 | 2.2336 | 0.0256 | 0.511764207 | count | 1 |
| C5AR2 | 0.3944756 | 0.1930732 | 2.0431 | 0.0411 | 0.511909278 | count | 1 |
| OAT | 0.3882315 | 0.1885026 | 2.0596 | 0.0395 | 0.511960575 | count | 1 |
| CHIC2 | 0.3732731 | 0.1303189 | 2.8643 | 0.00421 | 0.512228453 | count | 1 |
| EPOR | 0.3989289 | 0.2507677 | 1.5908 | 0.112 | 0.512340906 | count | 1 |
| FAAP100 | 0.5756498 | 0.386235 | 1.4904 | 0.136 | 0.512861591 | count | 1 |
| LSMEM1 | 1.4485997 | 0.657377 | 2.2036 | 0.0276 | 0.513162077 | count | 1 |
| WDR3 | 0.4534268 | 0.2905279 | 1.5607 | 0.119 | 0.513205345 | count | 1 |
| KIAA1191 | 0.4295869 | 0.2429414 | 1.7683 | 0.0771 | 0.51330467 | count | 1 |
| CWC25 | 0.3757102 | 0.1435051 | 2.6181 | 0.0089 | 0.513334873 | count | 1 |
| GPHN | 0.6348254 | 0.5263172 | 1.2062 | 0.228 | 0.513476412 | count | 1 |
| GTF2H2C | 0.6549299 | 0.3734791 | 1.7536 | 0.0796 | 0.513673123 | count | 1 |
| CARD9 | 0.4132508 | 0.1832594 | 2.255 | 0.0242 | 0.514026359 | count | 1 |
| AP1M1 | 0.4458635 | 0.2154637 | 2.0693 | 0.0386 | 0.514055676 | count | 1 |
| CPD | 0.3849989 | 0.1791681 | 2.1488 | 0.0317 | 0.514275493 | count | 1 |
| ERICH1 | 0.366302 | 0.098163 | 3.7316 | 0.000195 | 0.514376637 | count | 1 |
| TCF3 | 0.4673854 | 0.3037268 | 1.5388 | 0.124 | 0.514517169 | count | 1 |
| MPPE1 | 0.4153912 | 0.1871166 | 2.22 | 0.0265 | 0.514734173 | count | 1 |
| SH2D3C | 0.5395951 | 0.3758919 | 1.4355 | 0.151 | 0.514928465 | count | 1 |
| GLUD1 | 0.371001 | 0.1226392 | 3.0251 | 0.00251 | 0.514962782 | count | 1 |
| LMTK2 | 0.679679 | 0.4759962 | 1.4279 | 0.153 | 0.51513635 | count | 1 |
| DAB2 | 0.3609699 | 0.084695 | 4.262 | 2.10E-05 | 0.515209924 | count | 0.496566 |
| PSTPIP2 | 0.4016037 | 0.1577999 | 2.545 | 0.011 | 0.51521484 | count | 1 |
| GATAD1 | 0.3858953 | 0.1419732 | 2.7181 | 0.00661 | 0.515220598 | count | 1 |
| ITSN2 | 0.3702673 | 0.1101099 | 3.3627 | 0.000784 | 0.515330615 | count | 1 |
| C1GALT1 | 0.3907702 | 0.1683566 | 2.3211 | 0.0204 | 0.515337677 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|----------|
| GCDH | 0.4744804 | 0.3364517 | 1.4102 | 0.159 | 0.51560198 | count | 1 |
| MED6 | 0.4049138 | 0.2005921 | 2.0186 | 0.0436 | 0.515625081 | count | 1 |
| CCDC84 | 0.4814778 | 0.3280153 | 1.4679 | 0.142 | 0.515758263 | count | 1 |
| TROVE2 | 0.3733554 | 0.1243027 | 3.0036 | 0.0027 | 0.515911497 | count | 1 |
| PABPC1 | 0.3592362 | 0.0347358 | 10.342 | 1.44E-24 | 0.515938293 | count | 3.49E-20 |
| PRTFDC1 | 1.216067 | 0.6202923 | 1.9605 | 0.0501 | 0.516211064 | count | 1 |
| PIP4P2 | 0.3761551 | 0.1431155 | 2.6283 | 0.00863 | 0.516419414 | count | 1 |
| ZNF431 | 0.4821852 | 0.2986093 | 1.6148 | 0.106 | 0.516539702 | count | 1 |
| AUH | 0.4859793 | 0.3400121 | 1.4293 | 0.153 | 0.516594252 | count | 1 |
| AP2A1 | 0.3980519 | 0.187391 | 2.1242 | 0.0338 | 0.516598511 | count | 1 |
| NKIRAS2 | 0.381863 | 0.1437759 | 2.656 | 0.00796 | 0.516724807 | count | 1 |
| ATAD3C | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| AL031432.3 | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| LINC00853 | 1.9243683 | 1.654342 | 1.1632 | 0.245 | 0.516772594 | count | 1 |
| AMIGO1 | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| PLSCR2 | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| TMEM44 | 1.9243683 | 1.576046 | 1.221 | 0.222 | 0.516772594 | count | 1 |
| MPIG6B | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| AL133338.1 | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| BX322234.1 | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| HOXA-AS2 | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| AC067930.1 | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| FAM225A | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| LGR4 | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| BDNF-AS | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| NRXN2 | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| AP000866.1 | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| AC068987.5 | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| AC126614.1 | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| MEIS2 | 1.9243683 | 1.654342 | 1.1632 | 0.245 | 0.516772594 | count | 1 |
| AC079322.1 | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| NPIPA1 | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| AC135782.1 | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| AC008946.1 | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| SPTBN4 | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| AC010247.2 | 1.9243683 | 1.654342 | 1.1632 | 0.245 | 0.516772594 | count | 1 |
| AC011468.5 | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| OLIG2 | 1.9243683 | 1.1474879 | 1.677 | 0.0937 | 0.516772594 | count | 1 |
| AC004854.2 | 0.5148753 | 0.337321 | 1.5264 | 0.127 | 0.517245598 | count | 1 |
| ZNF780A | 0.4200446 | 0.251307 | 1.6714 | 0.0948 | 0.517377462 | count | 1 |
| ARIH2OS | 0.682621 | 0.540044 | 1.264 | 0.206 | 0.517532331 | count | 1 |
| LSM11 | 0.8273478 | 0.5909658 | 1.4 | 0.162 | 0.517700899 | count | 1 |
| NLN | 0.4308993 | 0.2161163 | 1.9938 | 0.0463 | 0.517963257 | count | 1 |
| POMT2 | 0.7805606 | 0.6473182 | 1.2058 | 0.228 | 0.517974824 | count | 1 |
| PXMP4 | 0.6401288 | 0.4082512 | 1.568 | 0.117 | 0.518049735 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|---------|-------------|-------|---|
| AL391069.3 | 0.5352059 | 0.3465868 | 1.5442 | 0.123 | 0.518145578 | count | 1 |
| PARP2 | 0.5352059 | 0.3369071 | 1.5886 | 0.112 | 0.518145578 | count | 1 |
| EXOC6 | 0.4091749 | 0.1979339 | 2.0672 | 0.0388 | 0.51823027 | count | 1 |
| CLCN7 | 0.4246434 | 0.2279446 | 1.8629 | 0.0626 | 0.518408234 | count | 1 |
| IFI44 | 0.3771152 | 0.1289248 | 2.9251 | 0.00348 | 0.518478012 | count | 1 |
| WWTR1 | 0.8287373 | 0.6405519 | 1.2938 | 0.196 | 0.518656742 | count | 1 |
| HACE1 | 0.8287373 | 0.5652389 | 1.4662 | 0.143 | 0.518656742 | count | 1 |
| B4GALT4 | 0.4427742 | 0.3035089 | 1.4589 | 0.145 | 0.5187323 | count | 1 |
| AKNA | 0.3957782 | 0.2368965 | 1.6707 | 0.0949 | 0.518959416 | count | 1 |
| CUL9 | 0.7435944 | 0.5213811 | 1.4262 | 0.154 | 0.519098222 | count | 1 |
| GLE1 | 0.5112356 | 0.3667669 | 1.3939 | 0.163 | 0.519265627 | count | 1 |
| IL27 | 0.8891662 | 0.5405992 | 1.6448 | 0.1 | 0.519309238 | count | 1 |
| AC093484.2 | 0.8891662 | 0.6049134 | 1.4699 | 0.142 | 0.519309238 | count | 1 |
| SIK1 | 0.8891754 | 0.5031566 | 1.7672 | 0.0773 | 0.519315198 | count | 1 |
| LPGAT1 | 0.3749218 | 0.1333889 | 2.8107 | 0.00498 | 0.519318358 | count | 1 |
| HACD2 | 0.4588146 | 0.2220387 | 2.0664 | 0.0389 | 0.519456679 | count | 1 |
| CC2D2A | 1.2236579 | 1.0256861 | 1.193 | 0.233 | 0.519866384 | count | 1 |
| SUPT20H | 0.447356 | 0.2149407 | 2.0813 | 0.0375 | 0.520156235 | count | 1 |
| ARIH1 | 0.3859515 | 0.1521432 | 2.5368 | 0.0112 | 0.520169332 | count | 1 |
| PPP3CB | 0.4262125 | 0.1898634 | 2.2448 | 0.0249 | 0.520356052 | count | 1 |
| NHLRC2 | 0.4976921 | 0.3397467 | 1.4649 | 0.143 | 0.520379485 | count | 1 |
| THAP6 | 0.4726366 | 0.2892579 | 1.634 | 0.102 | 0.520461488 | count | 1 |
| GSK3B | 0.3972578 | 0.1813475 | 2.1906 | 0.0286 | 0.520917747 | count | 1 |
| SUCNR1 | 0.5310958 | 0.2648331 | 2.0054 | 0.045 | 0.521106509 | count | 1 |
| MIR4458HG | 0.5734991 | 0.3904172 | 1.4689 | 0.142 | 0.521274598 | count | 1 |
| DIRC2 | 0.4088175 | 0.1599542 | 2.5558 | 0.0107 | 0.521343531 | count | 1 |
| DDX51 | 0.5544917 | 0.3813101 | 1.4542 | 0.146 | 0.521458784 | count | 1 |
| RNF44 | 0.4707033 | 0.2426311 | 1.94 | 0.0525 | 0.521511998 | count | 1 |
| ZNF836 | 0.6111662 | 0.4048186 | 1.5097 | 0.131 | 0.521651859 | count | 1 |
| KIAA0232 | 0.3903887 | 0.159928 | 2.441 | 0.0147 | 0.521790038 | count | 1 |
| SKIV2L | 0.5742193 | 0.3721828 | 1.5428 | 0.123 | 0.521962805 | count | 1 |
| AKAP8L | 0.396029 | 0.1929935 | 2.052 | 0.0403 | 0.521973387 | count | 1 |
| CTSF | 0.4237404 | 0.2325604 | 1.8221 | 0.0686 | 0.522002176 | count | 1 |
| PHIP | 0.3810664 | 0.1296638 | 2.9389 | 0.00332 | 0.522058742 | count | 1 |
| AC026202.2 | 1.4711102 | 0.8947039 | 1.6442 | 0.1 | 0.522172375 | count | 1 |
| H1FX-AS1 | 1.4711102 | 0.8947039 | 1.6442 | 0.1 | 0.522172375 | count | 1 |
| FAM149A | 1.4711102 | 1.0902625 | 1.3493 | 0.177 | 0.522172375 | count | 1 |
| UNC5CL | 1.4711102 | 1.0278079 | 1.4313 | 0.152 | 0.522172375 | count | 1 |
| AL136131.3 | 1.4711102 | 0.8947039 | 1.6442 | 0.1 | 0.522172375 | count | 1 |
| TMEM67 | 1.4711102 | 0.8947039 | 1.6442 | 0.1 | 0.522172375 | count | 1 |
| INCA1 | 1.4711102 | 0.8947039 | 1.6442 | 0.1 | 0.522172375 | count | 1 |
| PRSS57 | 1.4711102 | 0.8947039 | 1.6442 | 0.1 | 0.522172375 | count | 1 |
| TPK1 | 0.4491451 | 0.221894 | 2.0241 | 0.0431 | 0.522282613 | count | 1 |
| SYNE1 | 0.4300697 | 0.1921119 | 2.2386 | 0.0253 | 0.522560796 | count | 1 |
| TMEM101 | 0.4178011 | 0.213808 | 1.9541 | 0.0508 | 0.522605921 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| API5 | 0.4110438 | 0.1885564 | 2.18 | 0.0294 | 0.522825306 | count | 1 |
| ARFRP1 | 0.4020899 | 0.2214696 | 1.8156 | 0.0696 | 0.522873303 | count | 1 |
| LILRB3 | 0.3738939 | 0.1081125 | 3.4584 | 0.000553 | 0.522951472 | count | 1 |
| SMN1 | 0.6281667 | 0.4910986 | 1.2791 | 0.201 | 0.522951555 | count | 1 |
| EBP | 0.3999421 | 0.1763268 | 2.2682 | 0.0234 | 0.523218862 | count | 1 |
| PSME2 | 0.3655996 | 0.0572564 | 6.3853 | 2.04E-10 | 0.523289707 | count | 4.91E-06 |
| ZNF791 | 0.406554 | 0.1811269 | 2.2446 | 0.0249 | 0.52342832 | count | 1 |
| CPSF4 | 0.4725211 | 0.2721407 | 1.7363 | 0.0826 | 0.523581667 | count | 1 |
| FAM168B | 0.4187666 | 0.2423612 | 1.7279 | 0.0841 | 0.523830908 | count | 1 |
| ATP8B4 | 0.450474 | 0.2147523 | 2.0976 | 0.036 | 0.523862264 | count | 1 |
| SLC46A3 | 0.4091807 | 0.2022049 | 2.0236 | 0.0431 | 0.524426547 | count | 1 |
| PAN2 | 0.557642 | 0.4328641 | 1.2883 | 0.198 | 0.524561344 | count | 1 |
| NSD1 | 0.3829304 | 0.1301451 | 2.9423 | 0.00329 | 0.524861153 | count | 1 |
| ALKBH1 | 0.5496655 | 0.3851869 | 1.427 | 0.154 | 0.52497625 | count | 1 |
| AC017083.1 | 0.6918166 | 0.6043939 | 1.1446 | 0.252 | 0.525027577 | count | 1 |
| SH3GLB2 | 0.4093003 | 0.2516446 | 1.6265 | 0.104 | 0.525204462 | count | 1 |
| SAP30 | 0.3765272 | 0.0754152 | 4.9927 | 6.37E-07 | 0.52535313 | count | 0.015182895 |
| GAB2 | 0.447083 | 0.21165 | 2.1124 | 0.0348 | 0.525819501 | count | 1 |
| DOCK8 | 0.3718373 | 0.0837864 | 4.4379 | 9.48E-06 | 0.526021398 | count | 0.22474236 |
| AP001056.1 | 0.9777295 | 0.5536051 | 1.7661 | 0.0775 | 0.526099322 | count | 1 |
| SNX29 | 0.3816557 | 0.1190259 | 3.2065 | 0.00136 | 0.526116533 | count | 1 |
| SRGAP2C | 0.4344275 | 0.218832 | 1.9852 | 0.0472 | 0.526590573 | count | 1 |
| CIZ1 | 0.4447043 | 0.3319915 | 1.3395 | 0.181 | 0.526628519 | count | 1 |
| LINC01954 | 0.7212415 | 0.4952191 | 1.4564 | 0.145 | 0.526709931 | count | 1 |
| FAM86C1 | 0.8407802 | 0.6072885 | 1.3845 | 0.166 | 0.526948387 | count | 1 |
| ZBTB49 | 0.5601913 | 0.5030944 | 1.1135 | 0.266 | 0.52707285 | count | 1 |
| FTSJ3 | 0.4609611 | 0.2878984 | 1.6011 | 0.109 | 0.527087795 | count | 1 |
| LMO2 | 0.3746532 | 0.0788921 | 4.7489 | 2.16E-06 | 0.527240359 | count | 0.0513756 |
| AC098850.3 | 0.5138938 | 0.502735 | 1.0222 | 0.307 | 0.527617124 | count | 1 |
| EIF2B3 | 0.4148376 | 0.2348113 | 1.7667 | 0.0774 | 0.527711779 | count | 1 |
| ANKRD13D | 0.385574 | 0.142646 | 2.703 | 0.00692 | 0.527901539 | count | 1 |
| BICD2 | 0.3989215 | 0.152673 | 2.6129 | 0.00903 | 0.527921904 | count | 1 |
| PHF14 | 0.3900016 | 0.165431 | 2.3575 | 0.0185 | 0.528700993 | count | 1 |
| TTY14 | 0.6190777 | 0.7617127 | 0.8127 | 0.416 | 0.528808499 | count | 1 |
| SRSF5 | 0.3718909 | 0.0604002 | 6.1571 | 8.63E-10 | 0.528858953 | count | 2.07E-05 |
| RRP9 | 0.4864237 | 0.3317408 | 1.4663 | 0.143 | 0.528971422 | count | 1 |
| LMO7 | 0.9044362 | 0.7620394 | 1.1869 | 0.235 | 0.529197191 | count | 1 |
| TAF6L | 0.5106299 | 0.3482098 | 1.4664 | 0.143 | 0.529387769 | count | 1 |
| MIS18BP1 | 0.3773242 | 0.0785729 | 4.8022 | 1.66E-06 | 0.529730312 | count | 0.0394997 |
| LTBP1 | 0.983973 | 0.7500073 | 1.312 | 0.19 | 0.52985268 | count | 1 |
| LRRRC8A | 0.5110809 | 0.3483944 | 1.467 | 0.143 | 0.529871966 | count | 1 |
| CPAMD8 | 0.757843 | 0.567882 | 1.3345 | 0.182 | 0.529903993 | count | 1 |
| PKN2 | 0.3829029 | 0.1208486 | 3.1685 | 0.00155 | 0.529962047 | count | 1 |
| BTAF1 | 0.4069463 | 0.2170505 | 1.8749 | 0.0609 | 0.530211294 | count | 1 |
| ZSWIM8 | 0.4323272 | 0.2663936 | 1.6229 | 0.105 | 0.530411426 | count | 1 |

| | | | | | | | |
|-------------|-----------|-----------|--------|----------|-------------|-------|------------|
| GRK5 | 0.6985362 | 0.4131271 | 1.6909 | 0.091 | 0.530510585 | count | 1 |
| ARHGEF1 | 0.3971309 | 0.1235902 | 3.2133 | 0.00133 | 0.530604941 | count | 1 |
| ANKRD26 | 0.4759575 | 0.2686729 | 1.7715 | 0.0766 | 0.530638619 | count | 1 |
| PTAR1 | 0.4273396 | 0.2424038 | 1.7629 | 0.078 | 0.530804687 | count | 1 |
| EID3 | 0.5640283 | 0.4463674 | 1.2636 | 0.206 | 0.530854388 | count | 1 |
| FASTKD5 | 0.5224809 | 0.3482987 | 1.5001 | 0.134 | 0.531123899 | count | 1 |
| GPSM3 | 0.3718625 | 0.0485777 | 7.655 | 2.76E-14 | 0.531279434 | count | 6.67E-10 |
| FAR2 | 0.4667226 | 0.2795802 | 1.6694 | 0.0952 | 0.531284351 | count | 1 |
| SMC5 | 0.3934015 | 0.1471749 | 2.673 | 0.00757 | 0.531291261 | count | 1 |
| CLCN6 | 0.5284745 | 0.3491883 | 1.5134 | 0.13 | 0.531448086 | count | 1 |
| STAT1 | 0.3799836 | 0.086257 | 4.4052 | 1.10E-05 | 0.531537688 | count | 0.260623 |
| SOS2 | 0.4099515 | 0.1530494 | 2.6786 | 0.00744 | 0.531694725 | count | 1 |
| THUMPD3-AS1 | 0.388205 | 0.1499038 | 2.5897 | 0.00966 | 0.532127112 | count | 1 |
| UBAC2 | 0.3807917 | 0.0912683 | 4.1722 | 3.12E-05 | 0.532138567 | count | 0.7364448 |
| PEL1 | 0.395386 | 0.1297039 | 3.0484 | 0.00233 | 0.532331648 | count | 1 |
| ZFY | 0.43489 | 0.2365673 | 1.8383 | 0.0661 | 0.532385646 | count | 1 |
| IFITM2 | 0.3716466 | 0.0565094 | 6.5767 | 5.86E-11 | 0.532387768 | count | 1.41E-06 |
| GOT2 | 0.5493308 | 0.3119111 | 1.7612 | 0.0783 | 0.532424111 | count | 1 |
| ALG10 | 0.9882533 | 0.6076132 | 1.6265 | 0.104 | 0.532426952 | count | 1 |
| INTS6-AS1 | 0.5294261 | 0.3425209 | 1.5457 | 0.122 | 0.532442679 | count | 1 |
| POLE3 | 0.388809 | 0.1323074 | 2.9387 | 0.00333 | 0.532598861 | count | 1 |
| GOLGA3 | 0.4133588 | 0.1873643 | 2.2062 | 0.0275 | 0.532872873 | count | 1 |
| ANKRD50 | 0.5243363 | 0.3172277 | 1.6529 | 0.0985 | 0.533081764 | count | 1 |
| SFXN3 | 0.4115413 | 0.2020047 | 2.0373 | 0.0417 | 0.533256572 | count | 1 |
| APPL2 | 0.4602377 | 0.2016902 | 2.2819 | 0.0226 | 0.533282702 | count | 1 |
| FBXO48 | 0.5304696 | 0.484354 | 1.0952 | 0.274 | 0.533533422 | count | 1 |
| NELFA | 0.4646735 | 0.3828252 | 1.2138 | 0.225 | 0.533887812 | count | 1 |
| TMX3 | 0.4133317 | 0.2420344 | 1.7077 | 0.0878 | 0.533972802 | count | 1 |
| PML | 0.4235433 | 0.1907173 | 2.2208 | 0.0265 | 0.534265095 | count | 1 |
| IL15 | 0.4431315 | 0.1790195 | 2.4753 | 0.0134 | 0.534447638 | count | 1 |
| GFM1 | 0.4484951 | 0.2242432 | 2 | 0.0456 | 0.534681562 | count | 1 |
| KIF1BP | 0.4377742 | 0.2385228 | 1.8354 | 0.0666 | 0.534713907 | count | 1 |
| STX11 | 0.3790109 | 0.0747064 | 5.0733 | 4.20E-07 | 0.535618996 | count | 0.010017 |
| SCPEP1 | 0.382466 | 0.0805646 | 4.7473 | 2.18E-06 | 0.535644638 | count | 0.05184912 |
| DNAAF2 | 0.4215651 | 0.2482734 | 1.698 | 0.0896 | 0.535644726 | count | 1 |
| MAP7D3 | 0.4312922 | 0.216113 | 1.9957 | 0.0461 | 0.53578931 | count | 1 |
| MAP3K11 | 0.4046872 | 0.1439646 | 2.811 | 0.00498 | 0.535955427 | count | 1 |
| EPHB6 | 0.4510558 | 0.26559 | 1.6983 | 0.0896 | 0.536076007 | count | 1 |
| TPRN | 0.5608321 | 0.3686326 | 1.5214 | 0.128 | 0.536131413 | count | 1 |
| LEMD3 | 0.4928205 | 0.3883435 | 1.269 | 0.205 | 0.536137967 | count | 1 |
| CCNG1 | 0.4379645 | 0.2237672 | 1.9572 | 0.0504 | 0.536212845 | count | 1 |
| KLC2 | 0.7334721 | 0.597318 | 1.2279 | 0.22 | 0.536362531 | count | 1 |
| DCAKD | 0.6274949 | 0.4429592 | 1.4166 | 0.157 | 0.536430534 | count | 1 |
| METTL4 | 0.4965317 | 0.3489574 | 1.4229 | 0.155 | 0.536435191 | count | 1 |
| LRRC4 | 1.1025546 | 0.6500649 | 1.6961 | 0.09 | 0.536448133 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|---|
| THUMPD2 | 0.4227938 | 0.2829241 | 1.4944 | 0.135 | 0.53647458 | count | 1 |
| BTN2A1 | 0.4577207 | 0.2309025 | 1.9823 | 0.0476 | 0.536624404 | count | 1 |
| AFF4 | 0.3875499 | 0.1193328 | 3.2476 | 0.00118 | 0.536804834 | count | 1 |
| PTGIR | 0.5467325 | 0.3350524 | 1.6318 | 0.103 | 0.537104594 | count | 1 |
| UVSSA | 0.4130236 | 0.2038502 | 2.0261 | 0.0429 | 0.537240284 | count | 1 |
| WDR41 | 0.4224248 | 0.2052217 | 2.0584 | 0.0397 | 0.537486761 | count | 1 |
| USP1 | 0.4046256 | 0.1525447 | 2.6525 | 0.00804 | 0.537492287 | count | 1 |
| TATDN3 | 0.4184767 | 0.1846969 | 2.2657 | 0.0236 | 0.537742797 | count | 1 |
| EHMT2 | 0.494416 | 0.2546913 | 1.9412 | 0.0523 | 0.537926083 | count | 1 |
| FGD5-AS1 | 0.3962742 | 0.1177215 | 3.3662 | 0.000774 | 0.537949682 | count | 1 |
| USP10 | 0.4060789 | 0.1644442 | 2.4694 | 0.0136 | 0.538477549 | count | 1 |
| CNNM2 | 1.1062894 | 0.5471617 | 2.0219 | 0.0433 | 0.538492954 | count | 1 |
| SFSWAP | 0.404827 | 0.1602097 | 2.5269 | 0.0116 | 0.538682398 | count | 1 |
| XAF1 | 0.3862834 | 0.1244568 | 3.1038 | 0.00193 | 0.538752143 | count | 1 |
| CH25H | 0.3828476 | 0.1293752 | 2.9592 | 0.00311 | 0.538884153 | count | 1 |
| MON2 | 0.4295814 | 0.2451711 | 1.7522 | 0.0799 | 0.539387609 | count | 1 |
| NNT | 0.4486538 | 0.3207022 | 1.399 | 0.162 | 0.539710894 | count | 1 |
| TRAPPC8 | 0.4658276 | 0.2281225 | 2.042 | 0.0413 | 0.539908996 | count | 1 |
| FAM214A | 0.4930722 | 0.3802405 | 1.2967 | 0.195 | 0.54009593 | count | 1 |
| TMEM242 | 0.4026723 | 0.1676959 | 2.4012 | 0.0164 | 0.540363929 | count | 1 |
| MBNL2 | 0.4431892 | 0.1827333 | 2.4253 | 0.0154 | 0.541441843 | count | 1 |
| ZBTB48 | 0.4671866 | 0.242088 | 1.9298 | 0.0537 | 0.541520373 | count | 1 |
| MLST8 | 0.4619273 | 0.2906561 | 1.5893 | 0.112 | 0.541663413 | count | 1 |
| LRRC37B | 0.5088418 | 0.3508134 | 1.4505 | 0.147 | 0.541705447 | count | 1 |
| GIN1 | 0.7405844 | 0.4425841 | 1.6733 | 0.0944 | 0.541982859 | count | 1 |
| AL359258.2 | 0.8630574 | 0.6791471 | 1.2708 | 0.204 | 0.542319511 | count | 1 |
| PRSS36 | 0.5591606 | 0.3653173 | 1.5306 | 0.126 | 0.542374125 | count | 1 |
| FBXO22 | 0.4609311 | 0.2255986 | 2.0431 | 0.0411 | 0.542456279 | count | 1 |
| HEXIM1 | 0.4293055 | 0.2186834 | 1.9631 | 0.0497 | 0.542462248 | count | 1 |
| ASB8 | 0.4152397 | 0.1791909 | 2.3173 | 0.0206 | 0.542531876 | count | 1 |
| ITSN1 | 0.4066193 | 0.1722642 | 2.3604 | 0.0183 | 0.542547705 | count | 1 |
| HAUS5 | 0.7413272 | 0.7213629 | 1.0277 | 0.304 | 0.542570135 | count | 1 |
| TSNARE1 | 0.8634587 | 0.5873376 | 1.4701 | 0.142 | 0.542596788 | count | 1 |
| ZNF440 | 0.8634587 | 0.5683117 | 1.5193 | 0.129 | 0.542596788 | count | 1 |
| CHD2 | 0.3998285 | 0.1390868 | 2.8747 | 0.00408 | 0.542632022 | count | 1 |
| MRM1 | 1.0053459 | 0.7007634 | 1.4346 | 0.152 | 0.542718169 | count | 1 |
| MRPS18A | 0.4291404 | 0.2063051 | 2.0801 | 0.0376 | 0.543061822 | count | 1 |
| ZNF575 | 0.9260384 | 0.6022729 | 1.5376 | 0.124 | 0.543215472 | count | 1 |
| XPO6 | 0.4502775 | 0.2218758 | 2.0294 | 0.0425 | 0.543226954 | count | 1 |
| NFKBIZ | 0.3886987 | 0.1109033 | 3.5048 | 0.000465 | 0.543315918 | count | 1 |
| IKZF1 | 0.4040312 | 0.1486705 | 2.7176 | 0.00662 | 0.543377774 | count | 1 |
| WDR75 | 0.492954 | 0.4097467 | 1.2031 | 0.229 | 0.543486289 | count | 1 |
| FAM208B | 0.4357864 | 0.191616 | 2.2743 | 0.023 | 0.543492915 | count | 1 |
| AL078590.2 | 1.2735793 | 0.8301379 | 1.5342 | 0.125 | 0.543927223 | count | 1 |
| LINC00968 | 1.2735793 | 0.7629577 | 1.6693 | 0.0952 | 0.543927223 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|----------|
| ZSWIM1 | 1.2735793 | 0.7629577 | 1.6693 | 0.0952 | 0.543927223 | count | 1 |
| AAGAB | 0.4998742 | 0.3107353 | 1.6087 | 0.108 | 0.544045156 | count | 1 |
| DDX60L | 0.4032829 | 0.1554439 | 2.5944 | 0.00953 | 0.544109342 | count | 1 |
| SGTB | 0.4085579 | 0.1469731 | 2.7798 | 0.00548 | 0.544285752 | count | 1 |
| MTUS1 | 0.6362018 | 0.3662476 | 1.7371 | 0.0825 | 0.544323414 | count | 1 |
| RIN1 | 0.4908474 | 0.2964803 | 1.6556 | 0.0979 | 0.544465066 | count | 1 |
| CHSY1 | 0.4037261 | 0.1303808 | 3.0965 | 0.00198 | 0.544711316 | count | 1 |
| HECA | 0.4050687 | 0.1576531 | 2.5694 | 0.0102 | 0.544782911 | count | 1 |
| TRIB2 | 1.1178689 | 0.7797609 | 1.4336 | 0.152 | 0.544836193 | count | 1 |
| PNOC | 1.1178689 | 0.7295322 | 1.5323 | 0.126 | 0.544836193 | count | 1 |
| EFHB | 1.008924 | 0.6346924 | 1.5896 | 0.112 | 0.544874756 | count | 1 |
| AC008443.6 | 1.008924 | 0.6820795 | 1.4792 | 0.139 | 0.544874756 | count | 1 |
| KIF21A | 1.008924 | 0.7576082 | 1.3317 | 0.183 | 0.544874756 | count | 1 |
| AC004233.3 | 1.008924 | 0.6346924 | 1.5896 | 0.112 | 0.544874756 | count | 1 |
| TM9SF1 | 0.7775549 | 0.5083483 | 1.5296 | 0.126 | 0.544886659 | count | 1 |
| ZNRD1 | 0.3989021 | 0.1288311 | 3.0963 | 0.00198 | 0.544920841 | count | 1 |
| DNLZ | 0.9287073 | 0.6041033 | 1.5373 | 0.124 | 0.544949706 | count | 1 |
| MAP2K1 | 0.4223422 | 0.1369084 | 3.0849 | 0.00206 | 0.545170657 | count | 1 |
| SUDS3 | 0.3997607 | 0.1447575 | 2.7616 | 0.00579 | 0.545244744 | count | 1 |
| PPWD1 | 0.4299101 | 0.2581863 | 1.6651 | 0.096 | 0.545623215 | count | 1 |
| STK24 | 0.4095871 | 0.1482889 | 2.7621 | 0.00579 | 0.545667853 | count | 1 |
| ULK3 | 0.4606784 | 0.2853088 | 1.6147 | 0.107 | 0.545938949 | count | 1 |
| MCL1 | 0.3807214 | 0.0450233 | 8.4561 | 4.68E-17 | 0.546122954 | count | 1.13E-12 |
| DEF6 | 0.4148648 | 0.1699207 | 2.4415 | 0.0147 | 0.546258086 | count | 1 |
| FLI1 | 0.4170411 | 0.1858125 | 2.2444 | 0.0249 | 0.546685205 | count | 1 |
| THAP1 | 0.4464121 | 0.2447267 | 1.8241 | 0.0683 | 0.546732049 | count | 1 |
| SLC27A3 | 0.422321 | 0.1532655 | 2.7555 | 0.0059 | 0.546833738 | count | 1 |
| RAB3A | 0.4646394 | 0.3103191 | 1.4973 | 0.134 | 0.546914027 | count | 1 |
| IGBP1 | 0.3940917 | 0.0959687 | 4.1065 | 4.15E-05 | 0.547341426 | count | 0.978238 |
| ZNF865 | 0.6396731 | 0.4952189 | 1.2917 | 0.197 | 0.547472528 | count | 1 |
| CAPN2 | 0.3947727 | 0.1145929 | 3.445 | 0.000581 | 0.547521772 | count | 1 |
| SLC38A2 | 0.3889045 | 0.1009337 | 3.8531 | 0.00012 | 0.547542288 | count | 1 |
| IGHMBP2 | 0.6744771 | 0.5432867 | 1.2415 | 0.215 | 0.547747714 | count | 1 |
| RAF1 | 0.4264891 | 0.1806835 | 2.3604 | 0.0183 | 0.548160824 | count | 1 |
| PHKB | 0.4111671 | 0.1562883 | 2.6308 | 0.00857 | 0.548663671 | count | 1 |
| STARD4 | 0.5113149 | 0.3231234 | 1.5824 | 0.114 | 0.54876351 | count | 1 |
| SIRPD | 0.7500837 | 0.4932872 | 1.5206 | 0.128 | 0.549497436 | count | 1 |
| A2M | 0.3940371 | 0.1228671 | 3.207 | 0.00136 | 0.549813669 | count | 1 |
| EYA2 | 0.8740955 | 0.5143221 | 1.6995 | 0.0893 | 0.549950974 | count | 1 |
| PQBP1 | 0.39983 | 0.1147216 | 3.4852 | 5.00E-04 | 0.549966115 | count | 1 |
| GBP1 | 0.4079489 | 0.1427505 | 2.8578 | 0.0043 | 0.55065675 | count | 1 |
| CAVIN2 | 0.7853429 | 0.3203107 | 2.4518 | 0.0143 | 0.550816548 | count | 1 |
| PRMT6 | 1.0188416 | 0.5555016 | 1.8341 | 0.0668 | 0.550855309 | count | 1 |
| NUP50 | 0.4131351 | 0.1675976 | 2.465 | 0.0138 | 0.551021714 | count | 1 |
| PSPH | 0.6995052 | 0.4650687 | 1.5041 | 0.133 | 0.551185473 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|---|
| GCC1 | 0.6600513 | 0.3780904 | 1.7457 | 0.081 | 0.551213875 | count | 1 |
| HNRNPL | 0.4055164 | 0.1441958 | 2.8123 | 0.00496 | 0.551252657 | count | 1 |
| TARS2 | 0.644069 | 0.4294235 | 1.4998 | 0.134 | 0.551462336 | count | 1 |
| GPR27 | 1.2896541 | 0.614361 | 2.0992 | 0.0359 | 0.551680528 | count | 1 |
| AC005082.1 | 0.5365883 | 0.4333634 | 1.2382 | 0.216 | 0.551798781 | count | 1 |
| PRLR | 0.786709 | 0.5159267 | 1.5248 | 0.127 | 0.551857303 | count | 1 |
| TTBK2 | 0.462851 | 0.2952813 | 1.5675 | 0.117 | 0.552141493 | count | 1 |
| AC108673.2 | 1.5464032 | 0.8414758 | 1.8377 | 0.0662 | 0.55222842 | count | 1 |
| AL162414.1 | 1.5464032 | 0.651042 | 2.3753 | 0.0176 | 0.55222842 | count | 1 |
| AC016588.2 | 1.5464032 | 0.8414758 | 1.8377 | 0.0662 | 0.55222842 | count | 1 |
| GBP5 | 0.4470106 | 0.1971904 | 2.2669 | 0.0235 | 0.552304512 | count | 1 |
| DZIP3 | 0.8775458 | 0.6012258 | 1.4596 | 0.145 | 0.552338417 | count | 1 |
| NUP133 | 0.577269 | 0.3384948 | 1.7054 | 0.0882 | 0.552576951 | count | 1 |
| MSL2 | 0.4928085 | 0.3254272 | 1.5143 | 0.13 | 0.553069083 | count | 1 |
| AC027644.3 | 0.4257016 | 0.1886539 | 2.2565 | 0.0241 | 0.553395313 | count | 1 |
| COQ8B | 0.5438655 | 0.3453489 | 1.5748 | 0.115 | 0.553711932 | count | 1 |
| ETFDH | 0.4774903 | 0.2556308 | 1.8679 | 0.0619 | 0.553742613 | count | 1 |
| FBXL5 | 0.404057 | 0.1165772 | 3.466 | 0.000537 | 0.553845069 | count | 1 |
| LINC02035 | 0.5562371 | 0.4536443 | 1.2262 | 0.22 | 0.553861548 | count | 1 |
| TBC1D10C | 0.4738795 | 0.2520005 | 1.8805 | 0.0602 | 0.553883775 | count | 1 |
| EAPP | 0.4034796 | 0.1286217 | 3.1369 | 0.00173 | 0.553890271 | count | 1 |
| RAE1 | 0.4376255 | 0.1737582 | 2.5186 | 0.0118 | 0.553945291 | count | 1 |
| ZNF189 | 0.6323715 | 0.3815738 | 1.6573 | 0.0976 | 0.554017596 | count | 1 |
| AC004687.1 | 0.407697 | 0.1495843 | 2.7255 | 0.00647 | 0.55406654 | count | 1 |
| SLC5A9 | 2.0580676 | 1.0459481 | 1.9677 | 0.0492 | 0.554272538 | count | 1 |
| TRH | 2.0580676 | 1.1225812 | 1.8333 | 0.0669 | 0.554272538 | count | 1 |
| AL139041.1 | 2.0580676 | 1.0459481 | 1.9677 | 0.0492 | 0.554272538 | count | 1 |
| ABCA2 | 2.0580676 | 1.017587 | 2.0225 | 0.0432 | 0.554272538 | count | 1 |
| AL133215.2 | 2.0580676 | 1.0459481 | 1.9677 | 0.0492 | 0.554272538 | count | 1 |
| AC005476.2 | 2.0580676 | 1.0459481 | 1.9677 | 0.0492 | 0.554272538 | count | 1 |
| CCDC102A | 2.0580676 | 1.017587 | 2.0225 | 0.0432 | 0.554272538 | count | 1 |
| LINC01664 | 2.0580676 | 1.0459481 | 1.9677 | 0.0492 | 0.554272538 | count | 1 |
| C16orf72 | 0.408669 | 0.1409978 | 2.8984 | 0.00378 | 0.554704254 | count | 1 |
| ITGB2-AS1 | 0.4310532 | 0.1972158 | 2.1857 | 0.0289 | 0.554725664 | count | 1 |
| PIK3CD | 0.4892503 | 0.247483 | 1.9769 | 0.0482 | 0.554820996 | count | 1 |
| ZNF606 | 0.8312527 | 0.9320784 | 0.8918 | 0.373 | 0.554823526 | count | 1 |
| KIF13A | 0.4199404 | 0.1727992 | 2.4302 | 0.0152 | 0.554906839 | count | 1 |
| APOBEC3C | 0.4158395 | 0.1378815 | 3.0159 | 0.00259 | 0.554948042 | count | 1 |
| MTA1 | 0.4974865 | 0.2982822 | 1.6678 | 0.0955 | 0.555313638 | count | 1 |
| NCK1 | 0.418097 | 0.1648183 | 2.5367 | 0.0113 | 0.555858553 | count | 1 |
| OCEL1 | 0.4301164 | 0.1563056 | 2.7518 | 0.00597 | 0.55590417 | count | 1 |
| FLT3LG | 0.7295944 | 0.3980658 | 1.8328 | 0.0669 | 0.55591597 | count | 1 |
| PNISR | 0.3946713 | 0.1036864 | 3.8064 | 0.000144 | 0.556598847 | count | 1 |
| BICRA | 0.9466917 | 0.5223693 | 1.8123 | 0.0701 | 0.556648708 | count | 1 |
| CHD1L | 0.480417 | 0.2433557 | 1.9741 | 0.0485 | 0.557215891 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| ATP11B | 0.4616856 | 0.2842111 | 1.6244 | 0.104 | 0.557250447 | count | 1 |
| MVD | 0.482447 | 0.2591237 | 1.8618 | 0.0627 | 0.557258745 | count | 1 |
| MOB3A | 0.4194045 | 0.1880591 | 2.2302 | 0.0258 | 0.557290285 | count | 1 |
| MBD5 | 0.4452223 | 0.2287995 | 1.9459 | 0.0518 | 0.557420213 | count | 1 |
| DAAM1 | 0.4403668 | 0.1967887 | 2.2378 | 0.0253 | 0.557462346 | count | 1 |
| CCL3L1 | 0.3873807 | 0.1013461 | 3.8224 | 0.000135 | 0.557589823 | count | 1 |
| NR1D2 | 0.4461835 | 0.1646454 | 2.71 | 0.00678 | 0.557660722 | count | 1 |
| TMEM245 | 0.4893486 | 0.2571187 | 1.9032 | 0.0571 | 0.557701152 | count | 1 |
| TIMM23B | 0.7318292 | 0.4947129 | 1.4793 | 0.139 | 0.557747871 | count | 1 |
| SS18L1 | 0.6234964 | 0.3398403 | 1.8347 | 0.0667 | 0.5578973 | count | 1 |
| FARP2 | 0.5377207 | 0.3696065 | 1.4548 | 0.146 | 0.558510574 | count | 1 |
| MANEA-DT | 0.795517 | 0.527191 | 1.509 | 0.131 | 0.558571696 | count | 1 |
| NBEA | 0.795517 | 1.0377297 | 0.7666 | 0.443 | 0.558571696 | count | 1 |
| PLXNA1 | 0.5610018 | 0.3641829 | 1.5404 | 0.124 | 0.558803192 | count | 1 |
| ARFIP1 | 0.4217968 | 0.1514089 | 2.7858 | 0.00538 | 0.55881435 | count | 1 |
| C20orf194 | 0.4463442 | 0.2410365 | 1.8518 | 0.0642 | 0.558845607 | count | 1 |
| EXOSC5 | 0.4206891 | 0.1682666 | 2.5001 | 0.0125 | 0.559011566 | count | 1 |
| CEBPZ | 0.4032518 | 0.1314527 | 3.0677 | 0.00218 | 0.559254398 | count | 1 |
| DDX54 | 0.4355576 | 0.2079239 | 2.0948 | 0.0363 | 0.559309317 | count | 1 |
| PMPCB | 0.4145633 | 0.1378405 | 3.0076 | 0.00266 | 0.559432943 | count | 1 |
| CASP1 | 0.3947206 | 0.0688922 | 5.7295 | 1.13E-08 | 0.559680202 | count | 0.000271053 |
| RGS2 | 0.38982 | 0.0565663 | 6.8914 | 7.00E-12 | 0.559847228 | count | 1.69E-07 |
| ZNF688 | 0.4356453 | 0.1946682 | 2.2379 | 0.0253 | 0.560070289 | count | 1 |
| KMT2D | 0.5502994 | 0.3121304 | 1.763 | 0.078 | 0.560517337 | count | 1 |
| CEP70 | 0.9531598 | 0.8242428 | 1.1564 | 0.248 | 0.560861489 | count | 1 |
| CALML4 | 0.9531598 | 0.6745584 | 1.413 | 0.158 | 0.560861489 | count | 1 |
| ZNF629 | 0.6715984 | 0.4302206 | 1.5611 | 0.119 | 0.561476826 | count | 1 |
| GNLY | 0.5456987 | 0.6145309 | 0.888 | 0.375 | 0.561521342 | count | 1 |
| PSPC1 | 0.4323376 | 0.1787607 | 2.4185 | 0.0157 | 0.561587273 | count | 1 |
| SFI1 | 0.6552266 | 0.5591251 | 1.1719 | 0.241 | 0.561598703 | count | 1 |
| RETREG1 | 1.3108243 | 0.6378167 | 2.0552 | 0.04 | 0.561893268 | count | 1 |
| DYRK2 | 0.4865405 | 0.314289 | 1.5481 | 0.122 | 0.562100105 | count | 1 |
| ZNF384 | 0.6412533 | 0.3683993 | 1.7406 | 0.0819 | 0.562250436 | count | 1 |
| TRNT1 | 0.4633975 | 0.2336581 | 1.9832 | 0.0475 | 0.562359799 | count | 1 |
| TRIM73 | 0.8005398 | 0.4633183 | 1.7278 | 0.0841 | 0.562403994 | count | 1 |
| CBX1 | 0.4175136 | 0.1665064 | 2.5075 | 0.0122 | 0.562561384 | count | 1 |
| CAMK2N1 | 2.0888534 | 1.1207677 | 1.8638 | 0.0625 | 0.562716452 | count | 1 |
| INKA2 | 2.0888534 | 1.1207677 | 1.8638 | 0.0625 | 0.562716452 | count | 1 |
| HCN3 | 2.0888534 | 1.1207677 | 1.8638 | 0.0625 | 0.562716452 | count | 1 |
| LINC00886 | 2.0888534 | 1.1207677 | 1.8638 | 0.0625 | 0.562716452 | count | 1 |
| FLNC | 2.0888534 | 1.1207677 | 1.8638 | 0.0625 | 0.562716452 | count | 1 |
| NALT1 | 2.0888534 | 1.1207677 | 1.8638 | 0.0625 | 0.562716452 | count | 1 |
| IGSF22 | 2.0888534 | 1.1207677 | 1.8638 | 0.0625 | 0.562716452 | count | 1 |
| AL392046.1 | 2.0888534 | 1.319267 | 1.5833 | 0.113 | 0.562716452 | count | 1 |
| TEX9 | 2.0888534 | 1.1207677 | 1.8638 | 0.0625 | 0.562716452 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|---------|-------------|-------|---|
| ERBB2 | 2.0888534 | 1.1207677 | 1.8638 | 0.0625 | 0.562716452 | count | 1 |
| AL118508.1 | 2.0888534 | 1.1207677 | 1.8638 | 0.0625 | 0.562716452 | count | 1 |
| CLEC4M | 2.0888534 | 1.319267 | 1.5833 | 0.113 | 0.562716452 | count | 1 |
| SLC10A7 | 0.9560654 | 0.5561936 | 1.7189 | 0.0858 | 0.562754825 | count | 1 |
| RNF146 | 0.4285475 | 0.191345 | 2.2397 | 0.0252 | 0.562786215 | count | 1 |
| LINC02397 | 1.3127844 | 0.8695903 | 1.5097 | 0.131 | 0.562838878 | count | 1 |
| HIST1H2AL | 0.7381878 | 0.5856315 | 1.2605 | 0.208 | 0.562962847 | count | 1 |
| ZBED5 | 0.4529522 | 0.2089893 | 2.1673 | 0.0303 | 0.563123022 | count | 1 |
| CPSF1 | 0.5420894 | 0.3485598 | 1.5552 | 0.12 | 0.563214018 | count | 1 |
| MAN2B1 | 0.4586445 | 0.2325235 | 1.9725 | 0.0487 | 0.563256255 | count | 1 |
| GINS4 | 0.6927232 | 0.3425121 | 2.0225 | 0.0432 | 0.563576159 | count | 1 |
| VAPB | 0.4769376 | 0.3224929 | 1.4789 | 0.139 | 0.563690953 | count | 1 |
| AC242426.2 | 0.6073547 | 0.6399468 | 0.9491 | 0.343 | 0.564000141 | count | 1 |
| PDP1 | 0.4554353 | 0.2145624 | 2.1226 | 0.0339 | 0.564036256 | count | 1 |
| XAB2 | 0.5537676 | 0.3039751 | 1.8218 | 0.0686 | 0.564187552 | count | 1 |
| AKAP1 | 0.5430191 | 0.3600267 | 1.5083 | 0.132 | 0.564215215 | count | 1 |
| NCOA2 | 0.4438125 | 0.2464102 | 1.8011 | 0.0718 | 0.564290001 | count | 1 |
| FAM110A | 0.4227057 | 0.1667855 | 2.5344 | 0.0113 | 0.564475702 | count | 1 |
| RNF219 | 0.4776547 | 0.2361758 | 2.0225 | 0.0432 | 0.564556563 | count | 1 |
| LINC02363 | 1.5774313 | 1.2144657 | 1.2989 | 0.194 | 0.564565094 | count | 1 |
| AC008771.1 | 1.5774313 | 0.9213426 | 1.7121 | 0.087 | 0.564565094 | count | 1 |
| UNC79 | 1.5774313 | 0.9213426 | 1.7121 | 0.087 | 0.564565094 | count | 1 |
| AC091132.5 | 1.5774313 | 1.1678557 | 1.3507 | 0.177 | 0.564565094 | count | 1 |
| PPP1R27 | 1.5774313 | 1.0039341 | 1.5712 | 0.116 | 0.564565094 | count | 1 |
| CEACAM19 | 1.5774313 | 0.9470184 | 1.6657 | 0.0959 | 0.564565094 | count | 1 |
| CRCP | 0.4258596 | 0.177693 | 2.3966 | 0.0166 | 0.564936707 | count | 1 |
| MICU3 | 0.8041217 | 0.5375111 | 1.496 | 0.135 | 0.56513819 | count | 1 |
| SPG11 | 0.4444789 | 0.1820675 | 2.4413 | 0.0147 | 0.56514848 | count | 1 |
| IFIT1 | 0.4154597 | 0.2764193 | 1.503 | 0.133 | 0.56535498 | count | 1 |
| PBLD | 0.9600792 | 0.5864644 | 1.6371 | 0.102 | 0.565371181 | count | 1 |
| DLST | 0.4937801 | 0.2795619 | 1.7663 | 0.0775 | 0.565568928 | count | 1 |
| LMBRD1 | 0.4213193 | 0.1497794 | 2.8129 | 0.00495 | 0.565574128 | count | 1 |
| XRCC4 | 0.4347229 | 0.1911203 | 2.2746 | 0.023 | 0.566283619 | count | 1 |
| ZNF81 | 0.7713801 | 0.5613596 | 1.3741 | 0.17 | 0.566376576 | count | 1 |
| PHC3 | 0.4508033 | 0.3113349 | 1.448 | 0.148 | 0.566425493 | count | 1 |
| AP1G1 | 0.4278997 | 0.2406024 | 1.7785 | 0.0755 | 0.566615807 | count | 1 |
| VGLL4 | 0.454959 | 0.1946133 | 2.3378 | 0.0195 | 0.566727758 | count | 1 |
| RNF14 | 0.4995465 | 0.262591 | 1.9024 | 0.0572 | 0.566803301 | count | 1 |
| SNTB1 | 0.4577295 | 0.428809 | 1.0674 | 0.286 | 0.566923317 | count | 1 |
| MSH2 | 0.6103691 | 0.3478643 | 1.7546 | 0.0794 | 0.566941074 | count | 1 |
| SHROOM1 | 0.6103691 | 0.3386941 | 1.8021 | 0.0716 | 0.566941074 | count | 1 |
| ZNF28 | 0.9627013 | 0.5209963 | 1.8478 | 0.0648 | 0.567080882 | count | 1 |
| NFKBIL1 | 0.4508231 | 0.2778921 | 1.6223 | 0.105 | 0.567375996 | count | 1 |
| DCAF1 | 0.5838533 | 0.3463089 | 1.6859 | 0.0919 | 0.567415359 | count | 1 |
| SPRY1 | 0.6470235 | 0.3764341 | 1.7188 | 0.0858 | 0.567603577 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|------------|
| FAM43A | 0.6111097 | 0.3787926 | 1.6133 | 0.107 | 0.567663787 | count | 1 |
| DDX17 | 0.3995109 | 0.0840935 | 4.7508 | 2.14E-06 | 0.567734711 | count | 0.05090204 |
| BCDIN3D | 0.7191226 | 0.4534637 | 1.5858 | 0.113 | 0.567762159 | count | 1 |
| EIF2AK4 | 0.4166042 | 0.1133769 | 3.6745 | 0.000243 | 0.568043619 | count | 1 |
| TOMM34 | 0.4876833 | 0.3003886 | 1.6235 | 0.105 | 0.568152381 | count | 1 |
| RNF139 | 0.4254874 | 0.1982478 | 2.1462 | 0.032 | 0.568219947 | count | 1 |
| SENCR | 0.5215727 | 0.2756347 | 1.8923 | 0.0586 | 0.568399268 | count | 1 |
| TMPO | 0.4137846 | 0.1226388 | 3.374 | 0.000752 | 0.568462314 | count | 1 |
| ADNP | 0.4270277 | 0.1581349 | 2.7004 | 0.00697 | 0.568471999 | count | 1 |
| CASP8AP2 | 0.4809183 | 0.217775 | 2.2083 | 0.0273 | 0.568496526 | count | 1 |
| SLC27A1 | 0.488099 | 0.2984458 | 1.6355 | 0.102 | 0.568647833 | count | 1 |
| BPHL | 0.5254873 | 0.3110894 | 1.6892 | 0.0913 | 0.5687264 | count | 1 |
| ADAM17 | 0.4108288 | 0.1134797 | 3.6203 | 3.00E-04 | 0.568860352 | count | 1 |
| NAB1 | 0.4506152 | 0.2393477 | 1.8827 | 0.0599 | 0.568900486 | count | 1 |
| HCAR2 | 0.4131977 | 0.1477482 | 2.7966 | 0.0052 | 0.568981983 | count | 1 |
| ENTPD1 | 0.4300707 | 0.1376355 | 3.1247 | 0.0018 | 0.569154264 | count | 1 |
| SPINT1 | 0.4769761 | 0.2442673 | 1.9527 | 0.051 | 0.569336211 | count | 1 |
| WDFY1 | 0.4605996 | 0.2812975 | 1.6374 | 0.102 | 0.569371197 | count | 1 |
| SETMAR | 1.1628456 | 0.6766504 | 1.7185 | 0.0858 | 0.569515469 | count | 1 |
| ZNF483 | 1.1628456 | 0.8874462 | 1.3103 | 0.19 | 0.569515469 | count | 1 |
| KIAA0391 | 1.1628456 | 0.8045857 | 1.4453 | 0.149 | 0.569515469 | count | 1 |
| SP2-AS1 | 1.1628456 | 0.6766504 | 1.7185 | 0.0858 | 0.569515469 | count | 1 |
| 1-Mar | 0.4064634 | 0.0892954 | 4.5519 | 5.58E-06 | 0.569522695 | count | 0.13243014 |
| TLR5 | 0.4354489 | 0.1546943 | 2.8149 | 0.00492 | 0.569682951 | count | 1 |
| RBM23 | 0.4505576 | 0.2078755 | 2.1674 | 0.0303 | 0.56969294 | count | 1 |
| AC105020.6 | 0.8101706 | 0.4954381 | 1.6353 | 0.102 | 0.569758171 | count | 1 |
| HYI | 0.4574987 | 0.2035537 | 2.2476 | 0.0247 | 0.569940492 | count | 1 |
| LINC02285 | 0.9673181 | 0.5141522 | 1.8814 | 0.06 | 0.570092249 | count | 1 |
| TMTC2 | 0.721949 | 0.4285637 | 1.6846 | 0.0922 | 0.570153673 | count | 1 |
| LTA4H | 0.4038919 | 0.0801724 | 5.0378 | 5.05E-07 | 0.570205681 | count | 0.01204021 |
| RHBDF2 | 0.4301514 | 0.184441 | 2.3322 | 0.0198 | 0.570332621 | count | 1 |
| THEM6 | 0.776365 | 0.4511449 | 1.7209 | 0.0854 | 0.570333746 | count | 1 |
| OAS1 | 0.4042147 | 0.089293 | 4.5268 | 6.27E-06 | 0.570753139 | count | 0.14874948 |
| SERPINB2 | 0.4073723 | 0.2764603 | 1.4735 | 0.141 | 0.57088273 | count | 1 |
| NIPBL | 0.4100254 | 0.0997855 | 4.1091 | 4.10E-05 | 0.570993129 | count | 0.966575 |
| FCHSD2 | 0.4218734 | 0.1411557 | 2.9887 | 0.00283 | 0.57102925 | count | 1 |
| AC244021.1 | 2.120691 | 1.009649 | 2.1004 | 0.0358 | 0.571367296 | count | 1 |
| SHE | 2.120691 | 0.9205696 | 2.3037 | 0.0213 | 0.571367296 | count | 1 |
| CLCN4 | 2.120691 | 1.365817 | 1.5527 | 0.121 | 0.571367296 | count | 1 |
| PRR14L | 0.4470266 | 0.1803824 | 2.4782 | 0.0133 | 0.571438015 | count | 1 |
| WDR48 | 0.4787826 | 0.245146 | 1.9531 | 0.0509 | 0.571536379 | count | 1 |
| CDKN1B | 0.4103708 | 0.0963261 | 4.2602 | 2.12E-05 | 0.571536724 | count | 0.5012316 |
| AC008972.2 | 0.7781164 | 0.8221186 | 0.9465 | 0.344 | 0.571724599 | count | 1 |
| SLC38A7 | 0.5609069 | 0.3445262 | 1.6281 | 0.104 | 0.57174657 | count | 1 |
| BSDC1 | 0.4559244 | 0.2941427 | 1.55 | 0.121 | 0.57199826 | count | 1 |

| | | | | | | | |
|--------------|------------|-------------|--------|----------|-------------|-------|----------|
| ALKBH6 | 0.5323933 | 0.3210712 | 1.6582 | 0.0974 | 0.572133428 | count | 1 |
| DPY19L1 | 0.5675771 | 0.3560442 | 1.5941 | 0.111 | 0.572396767 | count | 1 |
| ERP29 | 0.4016042 | 0.0489382 | 8.2064 | 3.64E-16 | 0.573077422 | count | 8.80E-12 |
| TXNIP | 0.3993225 | 0.0624333 | 6.396 | 1.90E-10 | 0.573114818 | count | 4.57E-06 |
| AC004069.1 | 0.7255943 | 0.419637 | 1.7291 | 0.0839 | 0.573239279 | count | 1 |
| AKAP7 | 0.4939209 | 0.2315183 | 2.1334 | 0.033 | 0.573250868 | count | 1 |
| DNAJC16 | 0.5980984 | 0.3340754 | 1.7903 | 0.0735 | 0.573459336 | count | 1 |
| VPS13D | 0.4775269 | 0.3073771 | 1.5536 | 0.12 | 0.573471223 | count | 1 |
| NIFK-AS1 | 0.6172257 | 0.3998491 | 1.5436 | 0.123 | 0.57363418 | count | 1 |
| POMGNT2 | 0.8152915 | 0.5503788 | 1.4813 | 0.139 | 0.573671847 | count | 1 |
| BLZF1 | 0.4906099 | 0.2462956 | 1.992 | 0.0465 | 0.573886931 | count | 1 |
| CCDC7 | 0.7517323 | 0.5835178 | 1.2883 | 0.198 | 0.574084557 | count | 1 |
| MFAP5 | 0.6080711 | 0.4443616 | 1.3684 | 0.171 | 0.574377948 | count | 1 |
| AC008105.3 | 0.4878387 | 0.2679117 | 1.8209 | 0.0687 | 0.574826845 | count | 1 |
| MYO1C | 0.4760347 | 0.3104199 | 1.5335 | 0.125 | 0.574902668 | count | 1 |
| PTPN4 | 0.5996627 | 0.5569843 | 1.0766 | 0.282 | 0.575029445 | count | 1 |
| LIMD1 | 0.5435157 | 0.3172446 | 1.7132 | 0.0868 | 0.57508143 | count | 1 |
| FBXL4 | 0.55848 | 0.3112617 | 1.7942 | 0.0729 | 0.575175626 | count | 1 |
| LCMT2 | 18.0441746 | 1167.694012 | 0.0155 | 0.988 | 0.575502158 | count | 1 |
| HOXB5 | 18.072149 | 758.9498303 | 0.0238 | 0.981 | 0.575502159 | count | 1 |
| GABRB2 | 18.2145087 | 931.3120318 | 0.0196 | 0.984 | 0.57550216 | count | 1 |
| CACNA1D | 18.2429163 | 1059.82375 | 0.0172 | 0.9863 | 0.57550216 | count | 1 |
| AC025569.1 | 18.2865714 | 1421.948345 | 0.0129 | 0.99 | 0.57550216 | count | 1 |
| CCL14 | 18.3662078 | 874.6311153 | 0.021 | 0.9832 | 0.575502161 | count | 1 |
| CLDN4 | 18.3665489 | 1033.614715 | 0.0178 | 0.9858 | 0.575502161 | count | 1 |
| STX16-NPEPL1 | 18.4129917 | 1180.629386 | 0.0156 | 0.988 | 0.575502161 | count | 1 |
| AL391244.3 | 18.6617547 | 1369.961069 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| UTS2 | 18.6617547 | 1369.96108 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| AL358473.1 | 18.6617547 | 1369.961062 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| AC013468.1 | 18.6617547 | 1369.961067 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| ADGRA3 | 18.6617547 | 1369.961071 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| PCDH1 | 18.6617548 | 1369.961085 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| SLC26A8 | 18.6617547 | 1369.961069 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| U47924.2 | 18.6617547 | 1369.961067 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| AC023509.3 | 18.6617547 | 1369.961089 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| AL137779.1 | 18.6617547 | 1369.961078 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| FAM81A | 18.6617547 | 1369.961085 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| LINC02206 | 18.6617547 | 1369.961074 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| AC005696.1 | 18.6617547 | 1369.961078 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| AC092117.1 | 18.6617584 | 1369.96379 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| AC138207.2 | 18.6617584 | 1369.963779 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| LINC02085 | 18.6617585 | 1369.963799 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| SLC35G1 | 18.6617585 | 1369.963795 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| AL357078.1 | 18.6617591 | 1369.964174 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| AC015971.1 | 18.6617591 | 1369.964177 | 0.0136 | 0.989 | 0.575502163 | count | 1 |

| | | | | | | | |
|----------------|------------|-------------|--------|--------|-------------|-------|---|
| AC009948.3 | 18.6617591 | 1369.964157 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| ZMYND10 | 18.6617591 | 1369.964168 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| TM4SF19-AS1 | 18.6617591 | 1369.96417 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| SLCO4C1 | 18.6617591 | 1369.964174 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| STC1 | 18.6617591 | 1369.964161 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| SCARA5 | 18.6617591 | 1369.964166 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| OLFML2A | 18.6617591 | 1369.964166 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| OR52K2 | 18.6617591 | 1369.964161 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| GSTO2 | 18.6617591 | 1369.964163 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| AICDA | 18.6617591 | 1369.964168 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| TGFB3 | 18.661759 | 1369.964168 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| AC007614.1 | 18.6617591 | 1369.964161 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| PLEKHG4 | 18.6617591 | 1369.964181 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| AC009802.1 | 18.661759 | 1369.964154 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| RTEL1-TNFRSF6B | 18.6617591 | 1369.96417 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| AC119396.1 | 18.6617591 | 1369.964179 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| AC007786.1 | 18.6617591 | 1369.964174 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| AC006213.2 | 18.6617591 | 1369.964159 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| ADORA2A | 18.6617591 | 1369.964168 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| HOXA10 | 18.6617592 | 1369.964181 | 0.0136 | 0.989 | 0.575502163 | count | 1 |
| PLA2G2A | 18.6643422 | 1530.662854 | 0.0122 | 0.9903 | 0.575502163 | count | 1 |
| IL31RA | 18.7976097 | 1375.468012 | 0.0137 | 0.989 | 0.575502164 | count | 1 |
| AC003991.1 | 18.7976097 | 1375.468022 | 0.0137 | 0.989 | 0.575502164 | count | 1 |
| MATN2 | 18.7976097 | 1375.46801 | 0.0137 | 0.989 | 0.575502164 | count | 1 |
| DAB2IP | 18.7976097 | 1375.468022 | 0.0137 | 0.989 | 0.575502164 | count | 1 |
| AC104031.1 | 18.7976097 | 1375.468017 | 0.0137 | 0.989 | 0.575502164 | count | 1 |
| LTB4R2 | 18.7976096 | 1375.467994 | 0.0137 | 0.989 | 0.575502164 | count | 1 |
| AP000915.1 | 18.7976114 | 1375.469634 | 0.0137 | 0.989 | 0.575502164 | count | 1 |
| ITPKB-AS1 | 18.7976116 | 1375.469634 | 0.0137 | 0.989 | 0.575502164 | count | 1 |
| AC078845.1 | 18.7976115 | 1375.469634 | 0.0137 | 0.989 | 0.575502164 | count | 1 |
| ABCF2 | 18.7976156 | 1375.469242 | 0.0137 | 0.989 | 0.575502164 | count | 1 |
| AC005253.1 | 18.7976198 | 1375.470764 | 0.0137 | 0.989 | 0.575502164 | count | 1 |
| AP001528.2 | 18.79769 | 1781.21132 | 0.0106 | 0.992 | 0.575502164 | count | 1 |
| NPAS3 | 18.79769 | 1781.21132 | 0.0106 | 0.992 | 0.575502164 | count | 1 |
| PAK6 | 18.7976901 | 1781.211332 | 0.0106 | 0.992 | 0.575502164 | count | 1 |
| FPGT-TNNI3K | 18.9083814 | 1654.998096 | 0.0114 | 0.991 | 0.575502164 | count | 1 |
| ZC3H11B | 18.9083814 | 1654.998074 | 0.0114 | 0.991 | 0.575502164 | count | 1 |
| ZNF625-ZNF20 | 18.9083913 | 1654.998857 | 0.0114 | 0.991 | 0.575502164 | count | 1 |
| NEO1 | 18.9083926 | 1655.000483 | 0.0114 | 0.991 | 0.575502164 | count | 1 |
| AC009480.1 | 18.9085841 | 2108.340833 | 0.009 | 0.993 | 0.575502164 | count | 1 |
| AC105345.1 | 18.9085841 | 2108.340833 | 0.009 | 0.993 | 0.575502164 | count | 1 |
| CUZD1 | 18.9085843 | 2108.340854 | 0.009 | 0.993 | 0.575502164 | count | 1 |
| EMG1 | 18.9085998 | 2108.343581 | 0.009 | 0.993 | 0.575502164 | count | 1 |
| ANKRD34B | 18.9340587 | 1535.959232 | 0.0123 | 0.99 | 0.575502164 | count | 1 |
| SAP30L-AS1 | 18.9340586 | 1535.959224 | 0.0123 | 0.99 | 0.575502164 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|--------|--------|-------------|-------|---|
| PDP2 | 18.9340587 | 1535.959219 | 0.0123 | 0.99 | 0.575502164 | count | 1 |
| SAPCD2 | 18.9340661 | 1535.957492 | 0.0123 | 0.99 | 0.575502164 | count | 1 |
| AC092368.3 | 18.9560243 | 982.850499 | 0.0193 | 0.9846 | 0.575502164 | count | 1 |
| AC022098.2 | 18.956836 | 1161.899285 | 0.0163 | 0.987 | 0.575502164 | count | 1 |
| DOC2A | 19.0442047 | 1541.87875 | 0.0124 | 0.99 | 0.575502165 | count | 1 |
| PKDCC | 19.1030569 | 1519.093327 | 0.0126 | 0.99 | 0.575502165 | count | 1 |
| AL049780.2 | 19.2493127 | 1431.949063 | 0.0134 | 0.9893 | 0.575502165 | count | 1 |
| AC091488.1 | 19.7601536 | 1634.485681 | 0.0121 | 0.99 | 0.575502167 | count | 1 |
| TNKS2-AS1 | 19.7601572 | 1634.485603 | 0.0121 | 0.99 | 0.575502167 | count | 1 |
| GCAT | 19.7601573 | 1634.485596 | 0.0121 | 0.99 | 0.575502167 | count | 1 |
| PPIL6 | 19.7601601 | 1634.484834 | 0.0121 | 0.99 | 0.575502167 | count | 1 |
| LRRC36 | 19.7601604 | 1634.484813 | 0.0121 | 0.99 | 0.575502167 | count | 1 |
| SPIN2A | 19.7601602 | 1634.484791 | 0.0121 | 0.99 | 0.575502167 | count | 1 |
| AC136944.2 | 19.7601602 | 1634.484827 | 0.0121 | 0.99 | 0.575502167 | count | 1 |
| AP000640.1 | 19.760168 | 1634.491681 | 0.0121 | 0.99 | 0.575502167 | count | 1 |
| AL450468.2 | 19.7601745 | 1634.48724 | 0.0121 | 0.99 | 0.575502167 | count | 1 |
| AC098934.4 | 20.4390722 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| LINC00628 | 20.4390722 | 2044.230294 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| ADGRF3 | 20.4390722 | 2044.230213 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| TMEM169 | 20.4390722 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| DOK7 | 20.4390722 | 2044.230202 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| ENPP6 | 20.4390722 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| BTNL9 | 20.4390722 | 2044.230328 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| FZD6 | 20.4390722 | 2044.230294 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC090579.1 | 20.4390722 | 2044.230213 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| LINC01230 | 20.4390722 | 2044.230294 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| FOCAD-AS1 | 20.4390722 | 2044.230294 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL162426.1 | 20.4390722 | 2044.230236 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC025263.1 | 20.4390722 | 2044.230294 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL158196.1 | 20.4390722 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| LINC00449 | 20.4390722 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL110504.1 | 20.4390722 | 2044.230271 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| LIPC | 20.4390722 | 2044.230236 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| MEGF11 | 20.4390722 | 2044.230294 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| SHBG | 20.4390722 | 2044.230213 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| C17orf64 | 20.4390721 | 2044.23019 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| TBX2 | 20.4390722 | 2044.230202 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL357033.3 | 20.4390722 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| TMPRSS9 | 20.4390722 | 2044.230202 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| SULT2B1 | 20.4390722 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| TMEM52 | 20.4390724 | 2044.230316 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| TMEM54 | 20.4390723 | 2044.230374 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| CLDN19 | 20.4390724 | 2044.23042 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| DUSP27 | 20.4390723 | 2044.230271 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| SELE | 20.4390724 | 2044.230339 | 0.01 | 0.992 | 0.575502168 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|------|-------|-------------|-------|---|
| AL449106.1 | 20.4390723 | 2044.230316 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| COLGALT2 | 20.4390724 | 2044.230248 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL596220.1 | 20.4390723 | 2044.230259 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL121655.1 | 20.4390723 | 2044.230339 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| RMDN2-AS1 | 20.4390724 | 2044.230236 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC007389.3 | 20.4390724 | 2044.230236 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC008277.1 | 20.4390724 | 2044.230351 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| LINC01806 | 20.4390726 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC064836.2 | 20.4390724 | 2044.230294 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC073052.2 | 20.4390724 | 2044.230248 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| COL4A4 | 20.4390724 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| ERICH6 | 20.4390724 | 2044.230339 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC096577.1 | 20.4390724 | 2044.230248 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC021151.1 | 20.4390724 | 2044.230236 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| LINC02218 | 20.4390726 | 2044.230248 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| ELOVL7 | 20.4390724 | 2044.230248 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| LINC02242 | 20.4390723 | 2044.230236 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| SERF1A | 20.4390723 | 2044.230351 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC008522.1 | 20.4390723 | 2044.230374 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| SEMA6A | 20.4390724 | 2044.230294 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC113361.1 | 20.4390723 | 2044.230236 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| PCDHGA11 | 20.4390724 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| RANBP17 | 20.4390724 | 2044.230225 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| MYLK4 | 20.4390724 | 2044.230362 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| PNPLA1 | 20.4390726 | 2044.230248 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL365275.1 | 20.4390724 | 2044.230294 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| PNMA3 | 20.4390723 | 2044.230316 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AVPR2 | 20.4390723 | 2044.230328 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC011773.3 | 20.4390724 | 2044.230271 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| SYBU | 20.4390724 | 2044.230316 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC090921.1 | 20.4390724 | 2044.230294 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| C9orf24 | 20.4390724 | 2044.230236 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL133410.1 | 20.4390726 | 2044.230248 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| PCAT7 | 20.4390724 | 2044.230339 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL049629.2 | 20.4390724 | 2044.230225 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| ANGPTL5 | 20.4390723 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| CARD17 | 20.4390723 | 2044.230339 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| SMIM35 | 20.4390724 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AP003392.5 | 20.4390724 | 2044.230351 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| C10orf67 | 20.4390724 | 2044.230339 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC010998.2 | 20.4390723 | 2044.230351 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| NRIP2 | 20.4390724 | 2044.230294 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| MIR200CHG | 20.4390723 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| KLRK1 | 20.4390724 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| H3F3C | 20.4390724 | 2044.23042 | 0.01 | 0.992 | 0.575502168 | count | 1 |

| | | | | | | | |
|-------------|------------|-------------|------|-------|-------------|-------|---|
| C12orf54 | 20.4390724 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| E2F7 | 20.4390723 | 2044.230374 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| USP44 | 20.4390723 | 2044.230271 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC069234.4 | 20.4390723 | 2044.230374 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| HNF1A | 20.4390724 | 2044.230271 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| HPD | 20.4390724 | 2044.230339 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| CLIP1-AS1 | 20.4390724 | 2044.230339 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| SERP2 | 20.4390723 | 2044.230225 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| G2E3-AS1 | 20.4390724 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| SERPINA5 | 20.4390723 | 2044.230339 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL133367.1 | 20.4390723 | 2044.230328 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| GOLGA8S | 20.4390723 | 2044.230374 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| USP50 | 20.4390723 | 2044.230339 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC073167.1 | 20.4390724 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| LINC00924 | 20.4390724 | 2044.230259 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC004233.4 | 20.4390727 | 2044.230294 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC109597.1 | 20.4390726 | 2044.230271 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC138904.3 | 20.4390727 | 2044.230294 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC092723.1 | 20.4390724 | 2044.230339 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| ZNF286B | 20.4390723 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| KRT27 | 20.4390724 | 2044.230362 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| HAP1 | 20.4390726 | 2044.230248 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| RUNDC3A | 20.4390724 | 2044.230316 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC005920.1 | 20.4390723 | 2044.230259 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC011195.2 | 20.4390724 | 2044.230248 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC005332.6 | 20.4390724 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| GPR142 | 20.4390726 | 2044.230271 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AP005530.1 | 20.4390723 | 2044.230271 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| CABYR | 20.4390723 | 2044.230374 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| LINC01915 | 20.4390724 | 2044.230248 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC104365.3 | 20.4390723 | 2044.230374 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| DOK6 | 20.4390724 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC090360.1 | 20.4390723 | 2044.230328 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| TCF15 | 20.4390724 | 2044.230248 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| LINC01729 | 20.4390724 | 2044.230236 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL050403.2 | 20.4390726 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| SLC24A3 | 20.4390724 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| SGK2 | 20.4390724 | 2044.230339 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL139352.1 | 20.4390724 | 2044.230339 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| SLC12A5-AS1 | 20.4390726 | 2044.230271 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| BMP7 | 20.4390727 | 2044.230294 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| JSRP1 | 20.4390723 | 2044.230259 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC024575.1 | 20.4390724 | 2044.230248 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC011448.1 | 20.4390723 | 2044.230259 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC092329.3 | 20.4390723 | 2044.230248 | 0.01 | 0.992 | 0.575502168 | count | 1 |

| | | | | | | | |
|-----------------|------------|-------------|------|-------|-------------|-------|---|
| AD000671.2 | 20.4390723 | 2044.230236 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| NKPD1 | 20.4390724 | 2044.230225 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC020922.2 | 20.4390726 | 2044.230248 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| RFPL4AL1 | 20.4390724 | 2044.230385 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| CDC45 | 20.4390724 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| HSF2BP | 20.4390724 | 2044.230316 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| DIRAS3 | 20.4390725 | 2044.230328 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| LHX4 | 20.4390725 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC015969.1 | 20.4390725 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC010894.4 | 20.4390725 | 2044.230271 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC007163.1 | 20.4390725 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC098820.3 | 20.4390725 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| CHDH | 20.4390725 | 2044.230328 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| LINC02024 | 20.4390725 | 2044.230294 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| GATA2-AS1 | 20.4390725 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC019131.2 | 20.4390725 | 2044.230351 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| PCDHAC2 | 20.4390725 | 2044.230316 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC139795.3 | 20.4390725 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL023583.1 | 20.4390725 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| SCUBE3 | 20.4390725 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL365226.1 | 20.4390725 | 2044.230316 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| TRGV6 | 20.4390725 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC027644.4 | 20.4390725 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC093673.2 | 20.4390725 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| XIAP-AS1 | 20.4390725 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| MCPH1-AS1 | 20.4390725 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL391834.1 | 20.4390725 | 2044.230316 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| HRCT1 | 20.4390725 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL390067.1 | 20.4390725 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| TNNT3 | 20.4390725 | 2044.230339 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| OR2AT4 | 20.4390725 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| MALRD1 | 20.4390725 | 2044.230294 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| RBP4 | 20.4390725 | 2044.230351 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| CFAP43 | 20.4390725 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC068896.1 | 20.4390725 | 2044.230316 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC079907.1 | 20.4390725 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL627171.2 | 20.4390725 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL136038.5 | 20.4390725 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| SMOC1 | 20.4390725 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL583722.2 | 20.4390725 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC100830.3 | 20.4390725 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC120114.1 | 20.4390725 | 2044.230316 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC092118.1 | 20.4390725 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| RNASEK-C17orf49 | 20.4390725 | 2044.230316 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC080112.1 | 20.4390725 | 2044.230271 | 0.01 | 0.992 | 0.575502168 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|--------|----------|-------------|-------|-----------|
| HIGD1B | 20.4390725 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| EFCAB3 | 20.4390725 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL121890.5 | 20.4390725 | 2044.230351 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AL035661.1 | 20.4390725 | 2044.230316 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC027307.1 | 20.4390725 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AC005786.2 | 20.4390725 | 2044.230305 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| AP000552.1 | 20.4390725 | 2044.230282 | 0.01 | 0.992 | 0.575502168 | count | 1 |
| TSHZ2 | 18.6617548 | 1369.961096 | 0.0136 | 0.989 | 0.57550221 | count | 1 |
| CFAP99 | 18.6617585 | 1369.963786 | 0.0136 | 0.989 | 0.57550221 | count | 1 |
| DNA2 | 18.6617591 | 1369.964161 | 0.0136 | 0.989 | 0.57550221 | count | 1 |
| AC022509.3 | 20.4390724 | 2044.230316 | 0.01 | 0.992 | 0.575502215 | count | 1 |
| PRTN3 | 20.4390725 | 2044.230339 | 0.01 | 0.992 | 0.575502215 | count | 1 |
| AC016737.1 | 20.4390727 | 2044.230385 | 0.01 | 0.992 | 0.575502215 | count | 1 |
| AC117395.1 | 20.4390727 | 2044.230385 | 0.01 | 0.992 | 0.575502215 | count | 1 |
| AF186192.1 | 20.4390727 | 2044.230385 | 0.01 | 0.992 | 0.575502215 | count | 1 |
| CFAP161 | 20.4390727 | 2044.230385 | 0.01 | 0.992 | 0.575502215 | count | 1 |
| CCDC113 | 20.4390727 | 2044.230385 | 0.01 | 0.992 | 0.575502215 | count | 1 |
| KRTAP19-8 | 20.4390727 | 2044.230385 | 0.01 | 0.992 | 0.575502215 | count | 1 |
| RBM27 | 0.5919344 | 0.3013938 | 1.964 | 0.0496 | 0.575624529 | count | 1 |
| USP39 | 0.4597961 | 0.1980169 | 2.322 | 0.0203 | 0.575942484 | count | 1 |
| ADO | 0.454835 | 0.2115696 | 2.1498 | 0.0317 | 0.576032076 | count | 1 |
| GTPBP10 | 0.5490795 | 0.3884368 | 1.4136 | 0.158 | 0.576084666 | count | 1 |
| SHISA4 | 0.5776737 | 0.2936097 | 1.9675 | 0.0492 | 0.576112835 | count | 1 |
| MRPL45 | 0.4679944 | 0.2113069 | 2.2148 | 0.0269 | 0.576210515 | count | 1 |
| ZBTB40 | 0.6202691 | 0.3294847 | 1.8825 | 0.0599 | 0.576606582 | count | 1 |
| SPATA1 | 0.7844344 | 0.5732725 | 1.3683 | 0.171 | 0.576744356 | count | 1 |
| MYCL | 0.6319412 | 0.3376922 | 1.8714 | 0.0614 | 0.577311697 | count | 1 |
| VPS13C | 0.4103239 | 0.1049093 | 3.9112 | 9.43E-05 | 0.577416578 | count | 1 |
| ANAPC10 | 0.4440837 | 0.1946212 | 2.2818 | 0.0226 | 0.577554248 | count | 1 |
| SIN3B | 0.4486028 | 0.1734799 | 2.5859 | 0.00977 | 0.5775838 | count | 1 |
| AP001816.1 | 0.5230272 | 0.3065012 | 1.7064 | 0.0881 | 0.577638715 | count | 1 |
| RMI1 | 0.6114272 | 0.3378647 | 1.8097 | 0.0705 | 0.577703004 | count | 1 |
| FBXL12 | 0.4663538 | 0.2120524 | 2.1992 | 0.028 | 0.577779303 | count | 1 |
| ID1 | 0.5727477 | 0.4408943 | 1.2991 | 0.194 | 0.577823346 | count | 1 |
| TBCCD1 | 0.6731008 | 0.5585789 | 1.205 | 0.228 | 0.577864439 | count | 1 |
| HPS6 | 0.5794941 | 0.4082946 | 1.4193 | 0.156 | 0.578004582 | count | 1 |
| PGM5 | 1.611489 | 0.6327587 | 2.5468 | 0.0109 | 0.578063871 | count | 1 |
| STARD13 | 0.6737926 | 0.3024481 | 2.2278 | 0.026 | 0.578494671 | count | 1 |
| DNAJC11 | 0.5242387 | 0.2921029 | 1.7947 | 0.0728 | 0.579016278 | count | 1 |
| CS | 0.4896794 | 0.2488266 | 1.968 | 0.0492 | 0.579077356 | count | 1 |
| NUDT16 | 0.4257685 | 0.0967225 | 4.402 | 1.12E-05 | 0.579126959 | count | 0.2653168 |
| PDCD2 | 0.4201975 | 0.1227898 | 3.4221 | 0.000632 | 0.57929615 | count | 1 |
| EBLN2 | 0.9816805 | 0.5479651 | 1.7915 | 0.0733 | 0.579468353 | count | 1 |
| NBPF15 | 1.6152527 | 0.8840099 | 1.8272 | 0.0678 | 0.579552574 | count | 1 |
| TTC30A | 1.6152527 | 0.9407268 | 1.717 | 0.0861 | 0.579552574 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|------------|
| GPC2 | 1.6152527 | 0.9407268 | 1.717 | 0.0861 | 0.579552574 | count | 1 |
| ARHGEF10 | 1.6152527 | 1.0524766 | 1.5347 | 0.125 | 0.579552574 | count | 1 |
| LINC00654 | 1.6152527 | 0.9407268 | 1.717 | 0.0861 | 0.579552574 | count | 1 |
| AL031846.2 | 1.6152527 | 1.0022209 | 1.6117 | 0.107 | 0.579552574 | count | 1 |
| ZNF638 | 0.4337898 | 0.147117 | 2.9486 | 0.00322 | 0.579691169 | count | 1 |
| WASHC2C | 0.5217768 | 0.1761559 | 2.962 | 0.00309 | 0.579781229 | count | 1 |
| INTS9 | 0.6346463 | 0.4304677 | 1.4743 | 0.141 | 0.579914426 | count | 1 |
| AGL | 0.4860515 | 0.2703202 | 1.7981 | 0.0723 | 0.580391727 | count | 1 |
| ZNF571 | 0.9182308 | 0.717165 | 1.2804 | 0.201 | 0.580557891 | count | 1 |
| CBFB | 0.4565758 | 0.2632809 | 1.7342 | 0.083 | 0.580736428 | count | 1 |
| FOLR2 | 0.4063434 | 0.0880366 | 4.6156 | 4.12E-06 | 0.581027489 | count | 0.09785412 |
| SSPN | 0.5697392 | 0.4009015 | 1.4211 | 0.155 | 0.581105187 | count | 1 |
| STRADB | 0.5640631 | 0.3231619 | 1.7455 | 0.081 | 0.581145141 | count | 1 |
| FAM193B | 0.6481932 | 0.4033393 | 1.6071 | 0.108 | 0.581242227 | count | 1 |
| NPIPB4 | 0.8680187 | 0.7722683 | 1.124 | 0.261 | 0.581689287 | count | 1 |
| BTN3A2 | 0.4678152 | 0.1522371 | 3.0729 | 0.00214 | 0.581896695 | count | 1 |
| C11orf68 | 0.5179812 | 0.3692051 | 1.403 | 0.161 | 0.582110412 | count | 1 |
| DPEP2 | 0.4380976 | 0.1653802 | 2.649 | 0.00812 | 0.58234431 | count | 1 |
| CTBP1-DT | 0.6629361 | 0.4535968 | 1.4615 | 0.144 | 0.582384116 | count | 1 |
| SMCR8 | 0.4894342 | 0.2515041 | 1.946 | 0.0518 | 0.582661334 | count | 1 |
| DCBLD1 | 0.7919272 | 0.4136517 | 1.9145 | 0.0557 | 0.582702163 | count | 1 |
| EFNA4 | 0.5552183 | 0.5779876 | 0.9606 | 0.337 | 0.582756912 | count | 1 |
| ZNF75A | 0.5084411 | 0.2869885 | 1.7716 | 0.0766 | 0.582789188 | count | 1 |
| TATDN2 | 0.6500936 | 0.3332089 | 1.951 | 0.0512 | 0.583041229 | count | 1 |
| UXS1 | 0.4725629 | 0.2303661 | 2.0514 | 0.0403 | 0.583184162 | count | 1 |
| FOXJ2 | 0.5115335 | 0.2846192 | 1.7973 | 0.0724 | 0.58364614 | count | 1 |
| NCAPD2 | 0.6083191 | 0.3587486 | 1.6957 | 0.0901 | 0.583722611 | count | 1 |
| SMN2 | 0.9229123 | 0.7444833 | 1.2397 | 0.215 | 0.583812581 | count | 1 |
| ZNF740 | 0.7160154 | 0.5781054 | 1.2386 | 0.216 | 0.583832023 | count | 1 |
| H2AFY2 | 0.6390256 | 0.3369439 | 1.8965 | 0.058 | 0.584129576 | count | 1 |
| APOBEC3B | 0.794077 | 0.4078736 | 1.9469 | 0.0517 | 0.584412475 | count | 1 |
| IL27RA | 0.4595307 | 0.1952611 | 2.3534 | 0.0187 | 0.584545302 | count | 1 |
| FOXJ3 | 0.4580383 | 0.1991134 | 2.3004 | 0.0215 | 0.584950421 | count | 1 |
| CRKL | 0.5154403 | 0.4030162 | 1.279 | 0.201 | 0.585317757 | count | 1 |
| FAM172A | 0.4664445 | 0.2530358 | 1.8434 | 0.0654 | 0.585394656 | count | 1 |
| ZNF124 | 0.4887418 | 0.2340669 | 2.088 | 0.0369 | 0.585465712 | count | 1 |
| WASHC2A | 0.4657712 | 0.2269822 | 2.052 | 0.0403 | 0.585511777 | count | 1 |
| SNX10 | 0.4157299 | 0.0896737 | 4.636 | 3.74E-06 | 0.585666046 | count | 0.0888437 |
| ZNF107 | 0.6410943 | 0.4292478 | 1.4935 | 0.135 | 0.586121419 | count | 1 |
| ZBTB7B | 0.4761296 | 0.2408284 | 1.977 | 0.0481 | 0.586398347 | count | 1 |
| SCAI | 0.9270196 | 0.5455666 | 1.6992 | 0.0894 | 0.586669246 | count | 1 |
| POPDC2 | 1.194129 | 0.7129172 | 1.675 | 0.0941 | 0.586711536 | count | 1 |
| AC012640.2 | 0.6115434 | 0.4413529 | 1.3856 | 0.166 | 0.586962546 | count | 1 |
| R3HDM1 | 0.4701887 | 0.1984823 | 2.3689 | 0.0179 | 0.587077034 | count | 1 |
| MKNK2 | 0.4292159 | 0.1210327 | 3.5463 | 0.000398 | 0.58743296 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|----------|
| RNGTT | 0.528717 | 0.2524453 | 2.0944 | 0.0363 | 0.587717536 | count | 1 |
| ERG28 | 0.5126939 | 0.2895378 | 1.7707 | 0.0767 | 0.587787678 | count | 1 |
| INO80E | 0.4969136 | 0.2874832 | 1.7285 | 0.084 | 0.587818518 | count | 1 |
| IGFBP4 | 0.5713554 | 0.2796355 | 2.0432 | 0.0411 | 0.588946726 | count | 1 |
| LST1 | 0.4108275 | 0.0496618 | 8.2725 | 2.13E-16 | 0.589050928 | count | 5.15E-12 |
| CCDC125 | 0.476389 | 0.2373427 | 2.0072 | 0.0448 | 0.589216431 | count | 1 |
| SLC22A23 | 1.367596 | 0.7176104 | 1.9058 | 0.0568 | 0.589275507 | count | 1 |
| LAMB2 | 0.6443879 | 0.351724 | 1.8321 | 0.0671 | 0.589293546 | count | 1 |
| SENP3 | 0.8358911 | 0.4886195 | 1.7107 | 0.0873 | 0.589437749 | count | 1 |
| AASDHPPT | 0.4413646 | 0.162815 | 2.7108 | 0.00676 | 0.58959657 | count | 1 |
| HELB | 0.5568791 | 0.3106583 | 1.7926 | 0.0732 | 0.589718741 | count | 1 |
| ST3GAL5 | 0.4600802 | 0.2166646 | 2.1235 | 0.0338 | 0.589795022 | count | 1 |
| PSMD5 | 0.5981052 | 0.2979319 | 2.0075 | 0.0448 | 0.589850358 | count | 1 |
| INPP5D | 0.46698 | 0.2076995 | 2.2483 | 0.0246 | 0.589858256 | count | 1 |
| ABHD17C | 1.0834679 | 0.5448903 | 1.9884 | 0.0469 | 0.589943385 | count | 1 |
| SH3BP2 | 0.4267794 | 0.1364406 | 3.128 | 0.00178 | 0.590162977 | count | 1 |
| SRPK1 | 0.4565605 | 0.1850176 | 2.4677 | 0.0137 | 0.590485817 | count | 1 |
| AC119428.2 | 1.370149 | 0.6718179 | 2.0395 | 0.0415 | 0.590506422 | count | 1 |
| UTP20 | 0.5987609 | 0.3588298 | 1.6686 | 0.0953 | 0.590525334 | count | 1 |
| AL031963.3 | 0.7238377 | 0.5033399 | 1.4381 | 0.151 | 0.590646664 | count | 1 |
| ATG4C | 0.4650079 | 0.2137392 | 2.1756 | 0.0297 | 0.590787097 | count | 1 |
| RNF113A | 0.4633762 | 0.1917592 | 2.4164 | 0.0157 | 0.591087663 | count | 1 |
| BBS2 | 0.6592081 | 0.392245 | 1.6806 | 0.093 | 0.591674539 | count | 1 |
| MED11 | 0.4341984 | 0.1528994 | 2.8398 | 0.00455 | 0.591851376 | count | 1 |
| C2CD5 | 0.5637517 | 0.3514436 | 1.6041 | 0.109 | 0.592037785 | count | 1 |
| AC073283.1 | 2.198335 | 1.1461401 | 1.918 | 0.0552 | 0.592097941 | count | 1 |
| TXNDC5 | 2.198335 | 1.1618592 | 1.8921 | 0.0586 | 0.592097941 | count | 1 |
| AC005616.1 | 2.198335 | 1.1461401 | 1.918 | 0.0552 | 0.592097941 | count | 1 |
| CCDC57 | 0.4796931 | 0.246385 | 1.9469 | 0.0517 | 0.592132532 | count | 1 |
| IL23A | 1.2043538 | 0.7119782 | 1.6916 | 0.0909 | 0.592336061 | count | 1 |
| CSE1L | 0.5594714 | 0.3085618 | 1.8132 | 0.0699 | 0.592560099 | count | 1 |
| PDE4D | 0.5026671 | 0.252856 | 1.988 | 0.0469 | 0.592689848 | count | 1 |
| GPD2 | 0.521773 | 0.2799654 | 1.8637 | 0.0625 | 0.592700526 | count | 1 |
| KIAA1328 | 0.6177347 | 0.2952853 | 2.092 | 0.0365 | 0.593186775 | count | 1 |
| RALGAPA2 | 0.5556317 | 0.3342813 | 1.6622 | 0.0966 | 0.59325981 | count | 1 |
| VPS18 | 0.5225657 | 0.2941253 | 1.7767 | 0.0757 | 0.593624907 | count | 1 |
| ALPK3 | 0.7503727 | 0.4622775 | 1.6232 | 0.105 | 0.594247293 | count | 1 |
| CEBPA-DT | 0.9381435 | 0.6199208 | 1.5133 | 0.13 | 0.594411561 | count | 1 |
| MSMO1 | 0.6190492 | 0.3235435 | 1.9133 | 0.0558 | 0.594508762 | count | 1 |
| EDN1 | 0.93839 | 0.7291132 | 1.287 | 0.198 | 0.594583197 | count | 1 |
| CATSPERG | 0.93839 | 0.561326 | 1.6717 | 0.0947 | 0.594583197 | count | 1 |
| XRN1 | 0.4473023 | 0.1349481 | 3.3146 | 0.000931 | 0.594686173 | count | 1 |
| TRIM26 | 0.5080997 | 0.237371 | 2.1405 | 0.0324 | 0.594821607 | count | 1 |
| CLIP2 | 0.9387452 | 0.4364767 | 2.1507 | 0.0316 | 0.594830558 | count | 1 |
| VSIG10 | 0.7286864 | 0.4489474 | 1.6231 | 0.105 | 0.594873678 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|---------|
| ASAP2 | 0.9388092 | 0.5805872 | 1.617 | 0.106 | 0.594875143 | count | 1 |
| NAA16 | 0.523701 | 0.2740797 | 1.9108 | 0.0562 | 0.594948879 | count | 1 |
| RALGPS1 | 1.0920486 | 0.6142259 | 1.7779 | 0.0755 | 0.595146234 | count | 1 |
| SLC12A9 | 0.456736 | 0.1462818 | 3.1223 | 0.00182 | 0.595273425 | count | 1 |
| NR2F2 | 0.7518425 | 0.858978 | 0.8753 | 0.382 | 0.595495263 | count | 1 |
| IFFO2 | 0.6396682 | 0.6041354 | 1.0588 | 0.29 | 0.59557537 | count | 1 |
| DPF2 | 0.5624062 | 0.3189656 | 1.7632 | 0.078 | 0.595777618 | count | 1 |
| PLEKHA4 | 1.0067039 | 0.6472954 | 1.5552 | 0.12 | 0.595831651 | count | 1 |
| TNFRSF11A | 0.6297574 | 0.3725372 | 1.6905 | 0.0911 | 0.595883895 | count | 1 |
| RP2 | 0.4690431 | 0.1579194 | 2.9701 | 0.00301 | 0.595983979 | count | 1 |
| AC044849.1 | 0.730138 | 0.3601452 | 2.0273 | 0.0427 | 0.59613961 | count | 1 |
| ZNF227 | 0.6515411 | 0.4079766 | 1.597 | 0.11 | 0.596186656 | count | 1 |
| OSM | 0.4223243 | 0.1137891 | 3.7115 | 0.000211 | 0.596263314 | count | 1 |
| ZNF628 | 0.7303392 | 0.4941789 | 1.4779 | 0.14 | 0.596315098 | count | 1 |
| GAS7 | 0.4437874 | 0.1380653 | 3.2143 | 0.00132 | 0.596488313 | count | 1 |
| METTL3 | 0.5905962 | 0.4520739 | 1.3064 | 0.192 | 0.596575731 | count | 1 |
| TRAF5 | 0.5844654 | 0.4485514 | 1.303 | 0.193 | 0.596725872 | count | 1 |
| C6orf226 | 0.4644607 | 0.2166451 | 2.1439 | 0.0321 | 0.596893104 | count | 1 |
| SCARB1 | 0.6410932 | 0.3214969 | 1.9941 | 0.0463 | 0.596970249 | count | 1 |
| CNTLN | 0.4486918 | 0.1773944 | 2.5293 | 0.0115 | 0.597227649 | count | 1 |
| TMEM144 | 0.5102986 | 0.2420208 | 2.1085 | 0.0351 | 0.59745527 | count | 1 |
| CHKA | 0.4709147 | 0.171403 | 2.7474 | 0.00605 | 0.597548298 | count | 1 |
| FAM122C | 0.8106819 | 0.5828805 | 1.3908 | 0.164 | 0.597636285 | count | 1 |
| CR1 | 0.4745545 | 0.1817057 | 2.6117 | 0.00907 | 0.597687421 | count | 1 |
| KCNC3 | 0.7319457 | 0.4269739 | 1.7143 | 0.0866 | 0.597716364 | count | 1 |
| SNAP23 | 0.4354373 | 0.1058155 | 4.1151 | 4.00E-05 | 0.597867546 | count | 0.94316 |
| USP33 | 0.4543447 | 0.1509858 | 3.0092 | 0.00265 | 0.597894453 | count | 1 |
| TACC3 | 0.5053701 | 0.1840094 | 2.7464 | 0.00607 | 0.598041537 | count | 1 |
| RHNO1 | 0.4948888 | 0.2665826 | 1.8564 | 0.0635 | 0.598119029 | count | 1 |
| GULP1 | 2.221378 | 1.1738719 | 1.8924 | 0.0586 | 0.598146208 | count | 1 |
| AC105760.2 | 2.221378 | 1.1738719 | 1.8924 | 0.0586 | 0.598146208 | count | 1 |
| TRIM2 | 2.221378 | 1.0901705 | 2.0376 | 0.0417 | 0.598146208 | count | 1 |
| MTRNR2L6 | 2.221378 | 1.1105563 | 2.0002 | 0.0456 | 0.598146208 | count | 1 |
| AC100849.1 | 2.221378 | 1.188244 | 1.8695 | 0.0617 | 0.598146208 | count | 1 |
| AL139383.1 | 2.221378 | 1.1105563 | 2.0002 | 0.0456 | 0.598146208 | count | 1 |
| DMKN | 2.221378 | 1.330075 | 1.6701 | 0.095 | 0.598146208 | count | 1 |
| ZNF415 | 2.221378 | 1.1105563 | 2.0002 | 0.0456 | 0.598146208 | count | 1 |
| AC132872.3 | 2.2215355 | 1.522 | 1.4596 | 0.145 | 0.598187356 | count | 1 |
| ZNF704 | 1.3865624 | 0.6235244 | 2.2238 | 0.0263 | 0.598416811 | count | 1 |
| EPB41L1 | 1.3865624 | 0.535603 | 2.5888 | 0.00969 | 0.598416811 | count | 1 |
| XPR1 | 0.4916084 | 0.3636413 | 1.3519 | 0.177 | 0.598770044 | count | 1 |
| PRKACA | 0.4473377 | 0.1358051 | 3.294 | 0.001 | 0.598828593 | count | 1 |
| ARFGAP2 | 0.4555507 | 0.1951036 | 2.3349 | 0.0196 | 0.599497065 | count | 1 |
| PSME4 | 0.4837631 | 0.2055515 | 2.3535 | 0.0187 | 0.599707811 | count | 1 |
| PPDCD | 0.5183385 | 0.2499783 | 2.0735 | 0.0382 | 0.599753967 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| RAB5B | 0.4978311 | 0.2919319 | 1.7053 | 0.0883 | 0.600071211 | count | 1 |
| AC135050.3 | 0.8501721 | 0.5527144 | 1.5382 | 0.124 | 0.600387995 | count | 1 |
| LGALS3BP | 0.4463815 | 0.1609689 | 2.7731 | 0.00559 | 0.600765102 | count | 1 |
| CRY1 | 0.601448 | 0.5214927 | 1.1533 | 0.249 | 0.60084484 | count | 1 |
| GTF3C1 | 0.4899745 | 0.2364301 | 2.0724 | 0.0383 | 0.601054738 | count | 1 |
| MYO1F | 0.431742 | 0.1032094 | 4.1832 | 2.98E-05 | 0.601154881 | count | 0.703578 |
| ARL17B | 1.3922829 | 0.7876077 | 1.7677 | 0.0772 | 0.601172902 | count | 1 |
| KCTD6 | 0.5346136 | 0.3216876 | 1.6619 | 0.0967 | 0.601328899 | count | 1 |
| AC020915.3 | 0.7162991 | 0.5789212 | 1.2373 | 0.216 | 0.601335867 | count | 1 |
| UBXN11 | 0.4678787 | 0.1679791 | 2.7853 | 0.00539 | 0.60134047 | count | 1 |
| CCDC61 | 0.6101454 | 0.3628033 | 1.6818 | 0.0927 | 0.60225117 | count | 1 |
| FMO2 | 1.6729951 | 0.7546593 | 2.2169 | 0.0267 | 0.602307326 | count | 1 |
| AC019254.1 | 1.6729951 | 0.8188923 | 2.043 | 0.0412 | 0.602307326 | count | 1 |
| KLF7 | 0.4797536 | 0.1776694 | 2.7003 | 0.00698 | 0.602351852 | count | 1 |
| USP24 | 0.4799291 | 0.2588826 | 1.8538 | 0.0639 | 0.60257552 | count | 1 |
| ALOX5AP | 0.421618 | 0.0758185 | 5.5609 | 2.97E-08 | 0.602596825 | count | 0.000711256 |
| ALG13 | 0.4323632 | 0.1274194 | 3.3932 | 0.000702 | 0.602655546 | count | 1 |
| LIAS | 0.5487565 | 0.3428702 | 1.6005 | 0.11 | 0.603030822 | count | 1 |
| TRIM37 | 0.5968975 | 0.3381185 | 1.7653 | 0.0776 | 0.603203506 | count | 1 |
| TMEM63B | 0.7183942 | 0.3878823 | 1.8521 | 0.0641 | 0.603208832 | count | 1 |
| GNA11 | 0.6192202 | 0.4324723 | 1.4318 | 0.152 | 0.603391489 | count | 1 |
| STARD8 | 0.6040169 | 0.4344572 | 1.3903 | 0.165 | 0.603520504 | count | 1 |
| NHSL2 | 0.6280816 | 0.3365256 | 1.8664 | 0.0621 | 0.603597163 | count | 1 |
| SYNJ2BP | 0.4832653 | 0.2199808 | 2.1969 | 0.0281 | 0.603662655 | count | 1 |
| OCRL | 0.8183378 | 0.5517827 | 1.4831 | 0.138 | 0.603741106 | count | 1 |
| DFFB | 1.1065884 | 0.8116057 | 1.3635 | 0.173 | 0.603968103 | count | 1 |
| ZNF419 | 0.7391464 | 0.585847 | 1.2617 | 0.207 | 0.60400009 | count | 1 |
| DMXL1 | 0.4589958 | 0.1799399 | 2.5508 | 0.0108 | 0.604075474 | count | 1 |
| COX11 | 0.5265804 | 0.2091584 | 2.5176 | 0.0119 | 0.604119192 | count | 1 |
| A1BG-AS1 | 0.6203107 | 0.3586297 | 1.7297 | 0.0838 | 0.604502751 | count | 1 |
| MSI2 | 0.5982104 | 0.3627951 | 1.6489 | 0.0993 | 0.604584893 | count | 1 |
| PDGFB | 0.518266 | 0.1919969 | 2.6993 | 0.007 | 0.60463883 | count | 1 |
| UHRF2 | 0.6124935 | 0.3025576 | 2.0244 | 0.043 | 0.604671226 | count | 1 |
| TMEM69 | 0.506124 | 0.1926728 | 2.6269 | 0.00867 | 0.604864929 | count | 1 |
| TMEM44-AS1 | 0.6732748 | 0.5260558 | 1.2799 | 0.201 | 0.605014753 | count | 1 |
| PSEN1 | 0.4625926 | 0.1955469 | 2.3656 | 0.0181 | 0.605071731 | count | 1 |
| TTC37 | 0.4730502 | 0.1651444 | 2.8645 | 0.00421 | 0.605144109 | count | 1 |
| AGPAT3 | 0.4627411 | 0.1637064 | 2.8267 | 0.00474 | 0.605268012 | count | 1 |
| CD48 | 0.4256105 | 0.0627893 | 6.7784 | 1.52E-11 | 0.605854151 | count | 3.66E-07 |
| USP3 | 0.4333132 | 0.0986915 | 4.3906 | 1.18E-05 | 0.606670402 | count | 0.2795184 |
| ZNF41 | 2.254578 | 0.743894 | 3.0308 | 0.00246 | 0.606772621 | count | 1 |
| HSPA14 | 0.4925009 | 0.2031275 | 2.4246 | 0.0154 | 0.60691314 | count | 1 |
| SLC10A3 | 0.4915263 | 0.2587528 | 1.8996 | 0.0576 | 0.606990167 | count | 1 |
| GRK6 | 0.4553466 | 0.1599271 | 2.8472 | 0.00445 | 0.607159037 | count | 1 |
| ITPKB | 0.8230129 | 0.4599016 | 1.7895 | 0.0737 | 0.607471423 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| WRB | 0.5002522 | 0.2325098 | 2.1515 | 0.0315 | 0.607949893 | count | 1 |
| HERC4 | 0.4747051 | 0.1943626 | 2.4424 | 0.0147 | 0.608044106 | count | 1 |
| FAM118B | 0.6421347 | 0.3383199 | 1.898 | 0.0578 | 0.608179176 | count | 1 |
| AP001107.9 | 1.2334513 | 0.7584171 | 1.6263 | 0.104 | 0.608349631 | count | 1 |
| AC011603.2 | 1.2334513 | 0.7351431 | 1.6778 | 0.0935 | 0.608349631 | count | 1 |
| AL135999.1 | 1.6884231 | 0.7675189 | 2.1998 | 0.0279 | 0.608357529 | count | 1 |
| INIP | 0.4601108 | 0.1786756 | 2.5751 | 0.0101 | 0.609282145 | count | 1 |
| ZBTB6 | 0.6651937 | 0.4707682 | 1.413 | 0.158 | 0.609356801 | count | 1 |
| MARS | 0.5477207 | 0.2408171 | 2.2744 | 0.023 | 0.609469926 | count | 1 |
| CBWD5 | 0.497901 | 0.2324929 | 2.1416 | 0.0323 | 0.609532719 | count | 1 |
| RASA3 | 0.4981301 | 0.2496263 | 1.9955 | 0.0461 | 0.609818254 | count | 1 |
| FAM180B | 1.692227 | 1.550471 | 1.0914 | 0.2752 | 0.609847127 | count | 1 |
| VAMP5 | 0.4334564 | 0.0833074 | 5.2031 | 2.12E-07 | 0.610214303 | count | 0.005063196 |
| ATP10D | 0.4868523 | 0.2102478 | 2.3156 | 0.0207 | 0.610362544 | count | 1 |
| RGPD5 | 0.6037098 | 0.4102605 | 1.4715 | 0.141 | 0.610372936 | count | 1 |
| FES | 0.4649856 | 0.1470714 | 3.1616 | 0.00159 | 0.610666491 | count | 1 |
| CMKLR1 | 0.5427187 | 0.295575 | 1.8361 | 0.0665 | 0.61070255 | count | 1 |
| AC020765.2 | 0.7095213 | 0.5174821 | 1.3711 | 0.17 | 0.611106968 | count | 1 |
| PRPSAP2 | 0.4969247 | 0.2109902 | 2.3552 | 0.0186 | 0.611113878 | count | 1 |
| CLK1 | 0.4382755 | 0.1119079 | 3.9164 | 9.23E-05 | 0.61147178 | count | 1 |
| CERS5 | 0.5165412 | 0.2585323 | 1.998 | 0.0458 | 0.611554174 | count | 1 |
| FMNL1 | 0.4416714 | 0.110396 | 4.0008 | 6.50E-05 | 0.611579083 | count | 1 |
| MCC | 1.1191256 | 0.9356071 | 1.1961 | 0.232 | 0.611580183 | count | 1 |
| GAPLINC | 0.6361721 | 0.3803487 | 1.6726 | 0.0945 | 0.611744501 | count | 1 |
| HSD17B11 | 0.4321241 | 0.0667103 | 6.4776 | 1.12E-10 | 0.612275426 | count | 2.70E-06 |
| AKAP10 | 0.5781268 | 0.3257599 | 1.7747 | 0.0761 | 0.613025875 | count | 1 |
| ALKBH8 | 0.867083 | 0.5189974 | 1.6707 | 0.0949 | 0.613374995 | count | 1 |
| LARGE1 | 2.281462 | 0.9170953 | 2.4877 | 0.0129 | 0.613681107 | count | 1 |
| KIAA0100 | 0.4692144 | 0.1880824 | 2.4947 | 0.0127 | 0.613825209 | count | 1 |
| YARS2 | 0.5705356 | 0.2881834 | 1.9798 | 0.0478 | 0.614527526 | count | 1 |
| ARL6 | 1.7045946 | 0.8952256 | 1.9041 | 0.057 | 0.614684643 | count | 1 |
| AL109615.2 | 1.7045946 | 0.926769 | 1.8393 | 0.066 | 0.614684643 | count | 1 |
| LINC01684 | 1.7045946 | 1.1117616 | 1.5332 | 0.125 | 0.614684643 | count | 1 |
| RASGRP2 | 0.4699349 | 0.1753108 | 2.6806 | 0.0074 | 0.614777761 | count | 1 |
| MTA3 | 0.640066 | 0.4875242 | 1.3129 | 0.189 | 0.615667881 | count | 1 |
| MS4A14 | 0.6157096 | 0.3125223 | 1.9701 | 0.0489 | 0.615707024 | count | 1 |
| UBALD1 | 0.5676719 | 0.3143727 | 1.8057 | 0.0711 | 0.615910184 | count | 1 |
| BTBD9 | 0.7758983 | 0.4804488 | 1.6149 | 0.106 | 0.615947878 | count | 1 |
| ZNF174 | 0.7758983 | 0.4182852 | 1.855 | 0.0637 | 0.615947878 | count | 1 |
| ZNF646 | 0.5857705 | 0.4399083 | 1.3316 | 0.183 | 0.616016349 | count | 1 |
| GOLPH3L | 0.8026454 | 0.4710497 | 1.704 | 0.0885 | 0.616041457 | count | 1 |
| ZFC3H1 | 0.447283 | 0.1362466 | 3.2829 | 0.00104 | 0.616154617 | count | 1 |
| CCDC92 | 0.4932132 | 0.2685524 | 1.8366 | 0.0664 | 0.616286682 | count | 1 |
| PICK1 | 0.6503349 | 0.2519606 | 2.5811 | 0.00991 | 0.616333133 | count | 1 |
| CDYL | 0.4805214 | 0.2133486 | 2.2523 | 0.0244 | 0.61634011 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-----------|
| BBC3 | 0.530226 | 0.2344755 | 2.2613 | 0.0238 | 0.616432424 | count | 1 |
| ATE1 | 0.5140915 | 0.2357548 | 2.1806 | 0.0293 | 0.616467643 | count | 1 |
| UACA | 0.5142956 | 0.2210431 | 2.3267 | 0.0201 | 0.616717429 | count | 1 |
| LINC01506 | 1.0388519 | 0.4922516 | 2.1104 | 0.0349 | 0.616899369 | count | 1 |
| GAREM1 | 2.295881 | 1.0430137 | 2.2012 | 0.0278 | 0.617357368 | count | 1 |
| AC040970.1 | 0.6418771 | 0.3106092 | 2.0665 | 0.0389 | 0.617493303 | count | 1 |
| RPP21 | 0.7344894 | 0.4205095 | 1.7467 | 0.0808 | 0.617611093 | count | 1 |
| GOLGA1 | 0.5121543 | 0.2716288 | 1.8855 | 0.0595 | 0.617683422 | count | 1 |
| U2AF1L5 | 0.6624227 | 0.3885235 | 1.705 | 0.0883 | 0.617872372 | count | 1 |
| TAZ | 0.5012691 | 0.2340126 | 2.1421 | 0.0323 | 0.617907357 | count | 1 |
| C18orf65 | 0.5875673 | 0.5091494 | 1.154 | 0.249 | 0.617975005 | count | 1 |
| EXOSC10 | 0.5202167 | 0.2449182 | 2.124 | 0.0338 | 0.618085384 | count | 1 |
| CPEB3 | 0.9722574 | 0.5454672 | 1.7824 | 0.0748 | 0.618201934 | count | 1 |
| UPK3A | 0.5522594 | 0.5585711 | 0.9887 | 0.323 | 0.618276571 | count | 1 |
| SLC25A40 | 0.5467311 | 0.2642337 | 2.0691 | 0.0386 | 0.618648612 | count | 1 |
| UBE3B | 0.5833493 | 0.3075634 | 1.8967 | 0.058 | 0.618760741 | count | 1 |
| CTDSP1 | 0.4533091 | 0.1126926 | 4.0225 | 5.93E-05 | 0.619055217 | count | 1 |
| NNT-AS1 | 0.5417646 | 0.2767483 | 1.9576 | 0.0504 | 0.619066094 | count | 1 |
| WAC-AS1 | 0.4635106 | 0.1428954 | 3.2437 | 0.0012 | 0.619112001 | count | 1 |
| ASCL2 | 0.4726361 | 0.178219 | 2.652 | 0.00805 | 0.61935982 | count | 1 |
| GIPC1 | 0.5084396 | 0.263997 | 1.9259 | 0.0542 | 0.619658605 | count | 1 |
| TMEM39B | 0.5232881 | 0.2212495 | 2.3651 | 0.0181 | 0.619719583 | count | 1 |
| PLEKHG2 | 0.5600692 | 0.2865819 | 1.9543 | 0.0508 | 0.619815665 | count | 1 |
| DIS3L | 0.6445605 | 0.3632986 | 1.7742 | 0.0762 | 0.620198341 | count | 1 |
| P2RY12 | 1.044166 | 0.3657982 | 2.8545 | 0.00435 | 0.620386165 | count | 1 |
| SLC39A13 | 0.6281425 | 0.4133138 | 1.5198 | 0.129 | 0.620813047 | count | 1 |
| ZNF561 | 0.5644603 | 0.3758308 | 1.5019 | 0.133 | 0.620828949 | count | 1 |
| ORC4 | 0.5106589 | 0.2205954 | 2.3149 | 0.0207 | 0.620839598 | count | 1 |
| PREP | 0.6072365 | 0.3111965 | 1.9513 | 0.0511 | 0.620920349 | count | 1 |
| BCAS3 | 0.8769251 | 0.4578907 | 1.9151 | 0.0556 | 0.620943025 | count | 1 |
| SP3 | 0.4543682 | 0.1409163 | 3.2244 | 0.00128 | 0.620987968 | count | 1 |
| SEMA4A | 0.510861 | 0.193582 | 2.639 | 0.00837 | 0.621089987 | count | 1 |
| FGD2 | 0.4714746 | 0.1497423 | 3.1486 | 0.00166 | 0.621111957 | count | 1 |
| NEK9 | 0.5905277 | 0.3229562 | 1.8285 | 0.0676 | 0.621202668 | count | 1 |
| ZDHHC21 | 0.568978 | 0.3069751 | 1.8535 | 0.0639 | 0.621755791 | count | 1 |
| PRMT7 | 0.7211688 | 0.3563663 | 2.0237 | 0.0431 | 0.621764696 | count | 1 |
| AP003774.3 | 1.2578277 | 0.4892508 | 2.5709 | 0.0102 | 0.621770437 | count | 1 |
| CX3CR1 | 0.4541019 | 0.1362606 | 3.3326 | 0.000873 | 0.621834038 | count | 1 |
| PFN2 | 2.3150489 | 1.146531 | 2.0192 | 0.0436 | 0.622212598 | count | 1 |
| DEPDC5 | 0.6466986 | 0.3902111 | 1.6573 | 0.0976 | 0.622354168 | count | 1 |
| TVP23A | 0.6220849 | 0.316261 | 1.967 | 0.0493 | 0.622356884 | count | 1 |
| MOGS | 0.5192504 | 0.2732059 | 1.9006 | 0.0575 | 0.622782218 | count | 1 |
| ZDHHC7 | 0.4923003 | 0.1548548 | 3.1791 | 0.0015 | 0.62325329 | count | 1 |
| C11orf98 | 0.7852612 | 0.5346291 | 1.4688 | 0.142 | 0.623921915 | count | 1 |
| YPEL3 | 0.4405396 | 0.0827568 | 5.3233 | 1.11E-07 | 0.624593189 | count | 0.0026529 |

| | | | | | | | |
|--------------|-----------|-----------|---------|----------|-------------|-------|-----------|
| PACERR | 1.4421768 | 1.051599 | 1.3714 | 0.17 | 0.625183153 | count | 1 |
| OSBPL9 | 0.4841078 | 0.1737351 | 2.7865 | 0.00537 | 0.625235216 | count | 1 |
| SGSM2 | 0.6052463 | 0.4030794 | 1.5016 | 0.133 | 0.625269873 | count | 1 |
| LINC02432 | 0.9273824 | 0.4130969 | 2.245 | 0.0249 | 0.625280381 | count | 1 |
| HMGCR | 0.4978071 | 0.23464 | 2.1216 | 0.034 | 0.625369919 | count | 1 |
| AL359198.1 | 1.265273 | 0.6295408 | 2.0098 | 0.0446 | 0.62586999 | count | 1 |
| PDE4B | 0.4518783 | 0.0928137 | 4.8687 | 1.20E-06 | 0.625954914 | count | 0.0285756 |
| ZNF630 | 1.7336057 | 0.8365598 | 2.0723 | 0.0383 | 0.625995309 | count | 1 |
| AC124319.2 | 1.7336057 | 0.8842021 | 1.9606 | 0.05 | 0.625995309 | count | 1 |
| ARHGAP24 | 0.4672934 | 0.1937206 | 2.4122 | 0.0159 | 0.626060411 | count | 1 |
| ATP8B3 | 0.8151296 | 0.4812755 | 1.6937 | 0.0905 | 0.626363279 | count | 1 |
| CERK | 0.5141131 | 0.2557442 | 2.0103 | 0.0445 | 0.626703832 | count | 1 |
| PGBD4 | 2.3332661 | 1.1644131 | 2.0038 | 0.0452 | 0.626793063 | count | 1 |
| ZNF781 | 2.3332661 | 1.0055139 | 2.3205 | 0.0204 | 0.626793063 | count | 1 |
| DENND4B | 0.5258615 | 0.2257638 | 2.3293 | 0.0199 | 0.626978633 | count | 1 |
| B3GALNT1 | 0.7108298 | 0.5990499 | 1.1866 | 0.236 | 0.627021701 | count | 1 |
| TLE4 | 0.4562082 | 0.1280608 | 3.5624 | 0.000374 | 0.627056894 | count | 1 |
| METTL22 | 0.5393846 | 0.2753594 | 1.9588 | 0.0502 | 0.627341484 | count | 1 |
| COL6A3 | 0.9858814 | 0.7308566 | 1.3489 | 0.177 | 0.627721153 | count | 1 |
| MANSC1 | 1.2689208 | 0.7647187 | 1.6593 | 0.0972 | 0.627878553 | count | 1 |
| SP140L | 0.4685896 | 0.162891 | 2.8767 | 0.00405 | 0.628107342 | count | 1 |
| TNFRSF14-AS1 | 0.7464903 | 0.5394955 | 1.3837 | 0.167 | 0.628364882 | count | 1 |
| AKAP11 | 0.4922687 | 0.2061532 | 2.3879 | 0.017 | 0.628449965 | count | 1 |
| CDK11A | 0.4842127 | 0.2109491 | 2.2954 | 0.0218 | 0.628564008 | count | 1 |
| TALDO1 | 0.4381025 | 0.0457692 | 9.572 | 2.46E-21 | 0.628620624 | count | 5.96E-17 |
| NCBP3 | 0.4651641 | 0.1624064 | 2.8642 | 0.00422 | 0.628690392 | count | 1 |
| ERCC8 | 0.6530137 | 0.394267 | 1.6563 | 0.0978 | 0.628724049 | count | 1 |
| AP4M1 | 0.6085898 | 0.3484724 | 1.7465 | 0.0809 | 0.628858936 | count | 1 |
| BRPF3 | 0.7471978 | 0.5232815 | 1.4279 | 0.153 | 0.628999242 | count | 1 |
| CD99L2 | 0.5716726 | 0.3479913 | 1.6428 | 0.101 | 0.629009981 | count | 1 |
| RPAP3 | 0.4855173 | 0.1656816 | 2.9304 | 0.00342 | 0.62903152 | count | 1 |
| RSBN1 | 0.4829364 | 0.1738501 | 2.7779 | 0.00551 | 0.629242069 | count | 1 |
| BIN3 | 0.5126307 | 0.2479846 | 2.0672 | 0.0388 | 0.629355676 | count | 1 |
| SIPA1L1 | 0.4931051 | 0.1701549 | 2.898 | 0.00379 | 0.629532182 | count | 1 |
| ERCC5 | 0.7135297 | 0.3992463 | 1.7872 | 0.074 | 0.62954441 | count | 1 |
| VMAC | 0.7135297 | 0.4229488 | 1.687 | 0.0917 | 0.62954441 | count | 1 |
| CCL4 | 0.4371255 | 0.1025749 | 4.2615 | 2.11E-05 | 0.630148502 | count | 0.4989095 |
| HCFC2 | 0.7143448 | 0.3272216 | 2.1831 | 0.0291 | 0.630306149 | count | 1 |
| AC009506.1 | 0.6229248 | 0.365589 | 1.7039 | 0.0885 | 0.630618203 | count | 1 |
| COTL1 | 0.438875 | 0.043398 | 10.1128 | 1.40E-23 | 0.63101856 | count | 3.40E-19 |
| PTPDC1 | 0.8210082 | 0.5446708 | 1.5073 | 0.132 | 0.631227927 | count | 1 |
| SLC12A4 | 0.8533229 | 0.4287365 | 1.9903 | 0.0467 | 0.631697302 | count | 1 |
| ASGR2 | 0.4853037 | 0.1855975 | 2.6148 | 0.00898 | 0.631785128 | count | 1 |
| ARL4A | 0.4432215 | 0.0677918 | 6.538 | 7.56E-11 | 0.631843465 | count | 1.82E-06 |
| NUP153 | 0.5013789 | 0.274223 | 1.8284 | 0.0676 | 0.631987509 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| GCFC2 | 0.567421 | 0.2956314 | 1.9194 | 0.0551 | 0.632051179 | count | 1 |
| TUBE1 | 0.6565217 | 0.3772068 | 1.7405 | 0.0819 | 0.63226404 | count | 1 |
| AC093323.1 | 0.6666858 | 0.443298 | 1.5039 | 0.133 | 0.63261044 | count | 1 |
| ZNF318 | 0.5358382 | 0.3375104 | 1.5876 | 0.113 | 0.63270774 | count | 1 |
| TNFSF9 | 0.4624675 | 0.1697716 | 2.7241 | 0.00649 | 0.632902908 | count | 1 |
| HERC6 | 0.6251302 | 0.5505645 | 1.1354 | 0.256 | 0.632943964 | count | 1 |
| AP000787.1 | 2.3587404 | 1.118571 | 2.1087 | 0.0351 | 0.633141974 | count | 1 |
| KDM5C | 0.5930935 | 0.2893019 | 2.0501 | 0.0405 | 0.634681199 | count | 1 |
| TCERG1 | 0.4673408 | 0.1522419 | 3.0697 | 0.00217 | 0.634683243 | count | 1 |
| TM9SF4 | 0.510643 | 0.1951179 | 2.6171 | 0.00892 | 0.634849403 | count | 1 |
| PRPF3 | 0.5033195 | 0.294603 | 1.7085 | 0.0877 | 0.635470897 | count | 1 |
| CYSLTR2 | 0.7199264 | 0.3322163 | 2.167 | 0.0303 | 0.635523885 | count | 1 |
| AL391832.3 | 0.9413995 | 0.5269176 | 1.7866 | 0.0741 | 0.635606586 | count | 1 |
| URM1 | 0.4867059 | 0.1426963 | 3.4108 | 0.000658 | 0.635884454 | count | 1 |
| FMO5 | 0.7554351 | 0.3915552 | 1.9293 | 0.0538 | 0.636388241 | count | 1 |
| DCTD | 0.5038293 | 0.1918843 | 2.6257 | 0.0087 | 0.637103862 | count | 1 |
| TMEM62 | 0.8009389 | 0.4046518 | 1.9793 | 0.0479 | 0.637290197 | count | 1 |
| NSUN3 | 0.5957201 | 0.356899 | 1.6692 | 0.0952 | 0.637589928 | count | 1 |
| ADSS | 0.4659652 | 0.1348993 | 3.4542 | 0.000561 | 0.637717183 | count | 1 |
| KDM7A | 0.4839735 | 0.1448203 | 3.3419 | 0.000845 | 0.63774347 | count | 1 |
| KDM4C | 0.5193812 | 0.2853859 | 1.8199 | 0.0689 | 0.63779409 | count | 1 |
| PCGF1 | 0.5420106 | 0.295171 | 1.8363 | 0.0664 | 0.637857905 | count | 1 |
| GAPT | 0.4688628 | 0.1207936 | 3.8815 | 0.000107 | 0.637937762 | count | 1 |
| SLC30A9 | 0.4977632 | 0.189811 | 2.6224 | 0.00878 | 0.637973019 | count | 1 |
| PDE1B | 0.5961388 | 0.5777985 | 1.0317 | 0.302 | 0.638053651 | count | 1 |
| MMP17 | 1.764941 | 0.5810897 | 3.0373 | 0.00241 | 0.63815051 | count | 1 |
| AL606491.1 | 1.163007 | 0.944256 | 1.2317 | 0.218 | 0.638254479 | count | 1 |
| AC092171.4 | 1.163007 | 0.8050232 | 1.4447 | 0.149 | 0.638254479 | count | 1 |
| LRRCC1 | 0.6453511 | 0.3425759 | 1.8838 | 0.0597 | 0.638589367 | count | 1 |
| AC093297.2 | 1.4704768 | 0.9303936 | 1.5805 | 0.114 | 0.63877286 | count | 1 |
| EP300 | 0.4738588 | 0.1508603 | 3.141 | 0.0017 | 0.638808657 | count | 1 |
| PCED1A | 0.740072 | 0.4121161 | 1.7958 | 0.0727 | 0.639087281 | count | 1 |
| ZFX | 0.4791431 | 0.1811918 | 2.6444 | 0.00824 | 0.639166649 | count | 1 |
| UVRAG | 0.4667031 | 0.1115568 | 4.1835 | 2.97E-05 | 0.639188383 | count | 0.7012467 |
| SLC2A3 | 0.4470856 | 0.0787675 | 5.676 | 1.54E-08 | 0.639227342 | count | 0.000369184 |
| PLEKHA2 | 0.4861664 | 0.1924339 | 2.5264 | 0.0116 | 0.639257121 | count | 1 |
| LRMP | 0.5230587 | 0.1641241 | 3.187 | 0.00146 | 0.639382571 | count | 1 |
| UBE4B | 0.5739627 | 0.2449977 | 2.3427 | 0.0192 | 0.639556376 | count | 1 |
| ZNF746 | 0.6464273 | 0.331743 | 1.9486 | 0.0515 | 0.639701943 | count | 1 |
| AC087741.1 | 0.6186916 | 0.5045854 | 1.2261 | 0.22 | 0.639708574 | count | 1 |
| ZNF138 | 0.6387826 | 0.3402537 | 1.8774 | 0.0606 | 0.639790984 | count | 1 |
| MAP3K3 | 0.4793771 | 0.1560376 | 3.0722 | 0.00215 | 0.639820565 | count | 1 |
| PHF3 | 0.4612 | 0.105696 | 4.3635 | 1.33E-05 | 0.640056694 | count | 0.3149174 |
| EVI2A | 0.4583968 | 0.0906587 | 5.0563 | 4.59E-07 | 0.640069152 | count | 0.010946232 |
| PPP1R37 | 0.619043 | 0.3893609 | 1.5899 | 0.112 | 0.64008614 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| RDH5 | 0.7250444 | 0.5538871 | 1.309 | 0.191 | 0.640310618 | count | 1 |
| SETD1B | 0.6973691 | 0.3512428 | 1.9854 | 0.0472 | 0.64046419 | count | 1 |
| MYO18A | 0.6973691 | 0.3782952 | 1.8435 | 0.0654 | 0.64046419 | count | 1 |
| AP1G2 | 0.6085267 | 0.3156529 | 1.9278 | 0.054 | 0.640842936 | count | 1 |
| AC245140.2 | 0.8055633 | 0.475365 | 1.6946 | 0.0903 | 0.641237137 | count | 1 |
| CUL4B | 0.5826245 | 0.2292136 | 2.5418 | 0.0111 | 0.641440917 | count | 1 |
| LRP3 | 0.5992855 | 0.3479944 | 1.7221 | 0.0852 | 0.6415392 | count | 1 |
| KIF27 | 1.0059036 | 0.5197998 | 1.9352 | 0.0531 | 0.641727621 | count | 1 |
| TADA2B | 0.6867673 | 0.3453648 | 1.9885 | 0.0469 | 0.641780784 | count | 1 |
| MLLT3 | 1.0768722 | 0.6017653 | 1.7895 | 0.0737 | 0.641870685 | count | 1 |
| AKIRIN2 | 0.456261 | 0.0738337 | 6.1796 | 7.50E-10 | 0.641894149 | count | 1.80E-05 |
| DUS2 | 0.641042 | 0.4639257 | 1.3818 | 0.167 | 0.642151913 | count | 1 |
| IRAK3 | 0.4757424 | 0.0930233 | 5.1142 | 3.39E-07 | 0.642611535 | count | 0.008089218 |
| TCF12 | 0.4920402 | 0.1924605 | 2.5566 | 0.0106 | 0.642930563 | count | 1 |
| CAMTA1-DT | 1.296606 | 1.1304284 | 1.147 | 0.251 | 0.643122041 | count | 1 |
| CPLANE2 | 1.296606 | 0.7192112 | 1.8028 | 0.0715 | 0.643122041 | count | 1 |
| CASTOR2 | 1.296606 | 0.6692785 | 1.9373 | 0.0528 | 0.643122041 | count | 1 |
| CLCN1 | 1.296606 | 0.6692785 | 1.9373 | 0.0528 | 0.643122041 | count | 1 |
| AC080038.1 | 1.296606 | 0.837537 | 1.5481 | 0.122 | 0.643122041 | count | 1 |
| TMCC1-AS1 | 1.4799132 | 0.7024672 | 2.1067 | 0.0352 | 0.643298458 | count | 1 |
| SPNS2 | 2.4000815 | 1.195162 | 2.0082 | 0.0447 | 0.643303518 | count | 1 |
| MICAL3 | 0.9522109 | 0.7556711 | 1.2601 | 0.208 | 0.643578933 | count | 1 |
| MIGA1 | 0.5384428 | 0.304062 | 1.7708 | 0.0767 | 0.644327723 | count | 1 |
| MKL1 | 0.5781252 | 0.2983722 | 1.9376 | 0.0528 | 0.644333669 | count | 1 |
| TIMM22 | 0.5661057 | 0.312333 | 1.8125 | 0.07 | 0.644473706 | count | 1 |
| RIF1 | 0.482623 | 0.1784921 | 2.7039 | 0.0069 | 0.644526803 | count | 1 |
| SIAH2 | 0.4760263 | 0.1362196 | 3.4945 | 0.000483 | 0.644629818 | count | 1 |
| ZNF691 | 1.2998517 | 0.6955317 | 1.8689 | 0.0618 | 0.644908622 | count | 1 |
| TCHH | 0.8698914 | 0.428951 | 2.028 | 0.0427 | 0.64496852 | count | 1 |
| CCDC40 | 1.4837489 | 1.119428 | 1.3255 | 0.185 | 0.645137131 | count | 1 |
| BRD1 | 0.4943465 | 0.189001 | 2.6156 | 0.00896 | 0.645420254 | count | 1 |
| ARRDC3 | 0.4643362 | 0.1243697 | 3.7335 | 0.000193 | 0.645549716 | count | 1 |
| RSRP1 | 0.4548817 | 0.0820742 | 5.5423 | 3.30E-08 | 0.645673683 | count | 0.000790152 |
| MNS1 | 1.3013094 | 0.6485878 | 2.0064 | 0.0449 | 0.645711071 | count | 1 |
| HEXA-AS1 | 1.3013094 | 0.6560559 | 1.9835 | 0.0474 | 0.645711071 | count | 1 |
| SMAD3 | 0.5943707 | 0.3375258 | 1.761 | 0.0784 | 0.645852183 | count | 1 |
| ALMS1 | 1.0119967 | 0.6763765 | 1.4962 | 0.135 | 0.645993697 | count | 1 |
| ZNF345 | 1.3022926 | 0.695405 | 1.8727 | 0.0612 | 0.646252313 | count | 1 |
| AL365205.1 | 1.786376 | 1.1766098 | 1.5182 | 0.129 | 0.6464262 | count | 1 |
| ZMYM4 | 0.4871594 | 0.1861425 | 2.6171 | 0.00892 | 0.646641631 | count | 1 |
| MTX1 | 0.4703095 | 0.1366447 | 3.4418 | 0.000587 | 0.646801646 | count | 1 |
| ZNF335 | 0.7675857 | 0.3934329 | 1.951 | 0.0512 | 0.647297899 | count | 1 |
| MEF2C | 0.4551537 | 0.0758804 | 5.9983 | 2.29E-09 | 0.647355138 | count | 5.50E-05 |
| AL662844.4 | 1.1782002 | 0.5490503 | 2.1459 | 0.032 | 0.647498824 | count | 1 |
| PUM2 | 0.5335799 | 0.1913934 | 2.7879 | 0.00535 | 0.647568804 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|---------|----------|-------------|-------|----------|
| JUNB | 0.4497032 | 0.036234 | 12.4111 | 2.39E-34 | 0.647734221 | count | 5.81E-30 |
| ENTPD1-AS1 | 0.9579695 | 0.558889 | 1.7141 | 0.0866 | 0.647827934 | count | 1 |
| AL390036.1 | 0.5588435 | 0.2796984 | 1.998 | 0.0458 | 0.647830864 | count | 1 |
| ZNF397 | 0.5723534 | 0.2813797 | 2.0341 | 0.042 | 0.648465408 | count | 1 |
| CEP120 | 0.6269118 | 0.2692466 | 2.3284 | 0.02 | 0.648543722 | count | 1 |
| CD37 | 0.4532192 | 0.047432 | 9.5551 | 2.88E-21 | 0.648656692 | count | 6.98E-17 |
| SLC35A1 | 0.6938576 | 0.2944237 | 2.3567 | 0.0185 | 0.648753909 | count | 1 |
| MLH3 | 0.615914 | 0.3337819 | 1.8453 | 0.0651 | 0.648911739 | count | 1 |
| STXBP2 | 0.4567813 | 0.0757453 | 6.0305 | 1.88E-09 | 0.649105154 | count | 4.52E-05 |
| AC092803.2 | 0.4908781 | 0.1644073 | 2.9857 | 0.00286 | 0.649583958 | count | 1 |
| DCAF15 | 0.5464184 | 0.2766624 | 1.975 | 0.0484 | 0.649915636 | count | 1 |
| ZNF230 | 0.6117253 | 0.4670853 | 1.3097 | 0.19 | 0.649961298 | count | 1 |
| TTC21B | 0.6740459 | 0.335552 | 2.0088 | 0.0447 | 0.64996433 | count | 1 |
| ZNF528 | 0.6565044 | 0.424906 | 1.5451 | 0.122 | 0.650124494 | count | 1 |
| FAM217B | 0.5526384 | 0.3127043 | 1.7673 | 0.0773 | 0.650658841 | count | 1 |
| SULT1C4 | 2.430584 | 1.0305385 | 2.3586 | 0.0184 | 0.650686355 | count | 1 |
| DHX34 | 0.6848539 | 0.3687043 | 1.8575 | 0.0634 | 0.650724738 | count | 1 |
| ACOT8 | 0.510342 | 0.2242156 | 2.2761 | 0.0229 | 0.650986418 | count | 1 |
| MMD | 0.5048589 | 0.279053 | 1.8092 | 0.0705 | 0.651671473 | count | 1 |
| GAB3 | 0.5812427 | 0.2567613 | 2.2637 | 0.0237 | 0.651693202 | count | 1 |
| BCL6 | 0.4854109 | 0.1325722 | 3.6615 | 0.000256 | 0.651735372 | count | 1 |
| AP4B1 | 0.8181026 | 0.4120345 | 1.9855 | 0.0472 | 0.651947724 | count | 1 |
| ANAPC1 | 0.6670252 | 0.3580928 | 1.8627 | 0.0626 | 0.652208724 | count | 1 |
| TCF7L2 | 0.5884708 | 0.2306197 | 2.5517 | 0.0108 | 0.652230942 | count | 1 |
| C16orf70 | 0.538906 | 0.3535356 | 1.5243 | 0.128 | 0.652412381 | count | 1 |
| SLC46A1 | 0.6512774 | 0.3694881 | 1.7626 | 0.0781 | 0.652852679 | count | 1 |
| LAX1 | 1.5003966 | 1.2518776 | 1.1985 | 0.231 | 0.653110981 | count | 1 |
| CCL24 | 1.5003966 | 1.1278147 | 1.3304 | 0.184 | 0.653110981 | count | 1 |
| AL357033.4 | 1.5003966 | 0.7232451 | 2.0745 | 0.0381 | 0.653110981 | count | 1 |
| FGL2 | 0.4552762 | 0.0559691 | 8.1344 | 6.50E-16 | 0.653161069 | count | 1.57E-11 |
| TMEM50B | 0.4919409 | 0.1476217 | 3.3324 | 0.000874 | 0.65343914 | count | 1 |
| CCDC69 | 0.496145 | 0.1583279 | 3.1337 | 0.00175 | 0.653475342 | count | 1 |
| NCOA3 | 0.5038837 | 0.1463366 | 3.4433 | 0.000584 | 0.653765451 | count | 1 |
| DIP2B | 0.5900168 | 0.2330769 | 2.5314 | 0.0114 | 0.653997219 | count | 1 |
| AL445524.1 | 0.5418471 | 0.2092025 | 2.5901 | 0.00965 | 0.654237034 | count | 1 |
| ARHGAP19 | 0.7753446 | 0.4061621 | 1.909 | 0.0564 | 0.654270625 | count | 1 |
| RNF216 | 0.4969014 | 0.1563185 | 3.1788 | 0.0015 | 0.654481732 | count | 1 |
| CANT1 | 0.5582153 | 0.2786178 | 2.0035 | 0.0452 | 0.654933167 | count | 1 |
| MDM4 | 0.4794039 | 0.1444324 | 3.3192 | 0.000916 | 0.655245426 | count | 1 |
| TKFC | 0.6395771 | 0.3645735 | 1.7543 | 0.0795 | 0.655361682 | count | 1 |
| NXF1 | 0.5373512 | 0.2612212 | 2.0571 | 0.0398 | 0.655580977 | count | 1 |
| ZXDA | 1.8112827 | 1.0435147 | 1.7358 | 0.0827 | 0.655999658 | count | 1 |
| CHEK1 | 1.8112827 | 0.9084316 | 1.9939 | 0.0463 | 0.655999658 | count | 1 |
| AL691403.2 | 1.8112827 | 0.8792659 | 2.06 | 0.0395 | 0.655999658 | count | 1 |
| SERPINB10 | 1.8112827 | 0.9880133 | 1.8333 | 0.0669 | 0.655999658 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| MYNN | 0.6036806 | 0.3266097 | 1.8483 | 0.0647 | 0.656306506 | count | 1 |
| DCAF6 | 0.5499835 | 0.2591697 | 2.1221 | 0.0339 | 0.656375029 | count | 1 |
| TRRAP | 0.595892 | 0.2718566 | 2.1919 | 0.0285 | 0.656512773 | count | 1 |
| DPYD | 0.4845546 | 0.1252286 | 3.8694 | 0.000112 | 0.656933499 | count | 1 |
| EEF1AKMT3 | 1.0282293 | 0.6612378 | 1.555 | 0.12 | 0.657366677 | count | 1 |
| CARD16 | 0.4624259 | 0.0608916 | 7.5943 | 4.37E-14 | 0.657453821 | count | 1.06E-09 |
| TRIOBP | 0.5014289 | 0.1754907 | 2.8573 | 0.00431 | 0.657502158 | count | 1 |
| ADH1B | 1.5098389 | 0.7848612 | 1.9237 | 0.0545 | 0.657628713 | count | 1 |
| AC068888.1 | 1.5098389 | 0.8703662 | 1.7347 | 0.0829 | 0.657628713 | count | 1 |
| AC108134.3 | 0.8003964 | 0.3643295 | 2.1969 | 0.0281 | 0.657632371 | count | 1 |
| CIR1 | 0.4696084 | 0.0905833 | 5.1843 | 2.35E-07 | 0.65775655 | count | 0.0056118 |
| FAM19A2 | 0.8533201 | 0.4510863 | 1.8917 | 0.0586 | 0.658012655 | count | 1 |
| TUT7 | 0.4738353 | 0.1167337 | 4.0591 | 5.08E-05 | 0.658169738 | count | 1 |
| GASAL1 | 1.0293873 | 0.5388148 | 1.9105 | 0.0562 | 0.658178386 | count | 1 |
| FAM135A | 0.6644404 | 0.3577737 | 1.8572 | 0.0634 | 0.658338615 | count | 1 |
| TOP3A | 0.5870049 | 0.2602383 | 2.2556 | 0.0242 | 0.658344404 | count | 1 |
| PM20D2 | 1.1021476 | 0.5844008 | 1.8859 | 0.0594 | 0.658497909 | count | 1 |
| COX7A1 | 1.1021476 | 0.9087477 | 1.2128 | 0.225 | 0.658497909 | count | 1 |
| UIMC1 | 0.525766 | 0.2591284 | 2.029 | 0.0426 | 0.658800425 | count | 1 |
| SPTBN1 | 0.692967 | 0.4384309 | 1.5806 | 0.114 | 0.658822952 | count | 1 |
| CSTF2T | 0.6251723 | 0.2799343 | 2.2333 | 0.0256 | 0.659030441 | count | 1 |
| IPO5 | 0.5521684 | 0.2665554 | 2.0715 | 0.0384 | 0.659039527 | count | 1 |
| IVNS1ABP | 0.4709488 | 0.0959989 | 4.9058 | 9.92E-07 | 0.659283629 | count | 0.023628448 |
| PPP1R12C | 0.5524078 | 0.2611474 | 2.1153 | 0.0345 | 0.659331492 | count | 1 |
| GSTCD | 0.8879874 | 0.4621592 | 1.9214 | 0.0548 | 0.659484468 | count | 1 |
| GMDS | 0.6206104 | 0.3097523 | 2.0036 | 0.0452 | 0.659744428 | count | 1 |
| ATG13 | 0.6373278 | 0.3480765 | 1.831 | 0.0672 | 0.65974697 | count | 1 |
| MBD3 | 0.5719254 | 0.2377119 | 2.406 | 0.0162 | 0.660518774 | count | 1 |
| AC022706.1 | 1.5171663 | 0.6579902 | 2.3058 | 0.0212 | 0.661132013 | count | 1 |
| FAF1 | 0.5381774 | 0.2238388 | 2.4043 | 0.0163 | 0.661304193 | count | 1 |
| SNTB2 | 0.575429 | 0.3386495 | 1.6992 | 0.0894 | 0.661685387 | count | 1 |
| ANK3 | 1.3313855 | 0.8239337 | 1.6159 | 0.106 | 0.662263049 | count | 1 |
| PIP4K2B | 0.7339088 | 0.340131 | 2.1577 | 0.031 | 0.662725739 | count | 1 |
| DDX59 | 0.5148067 | 0.2195868 | 2.3444 | 0.0191 | 0.663210364 | count | 1 |
| AL356488.3 | 0.9791576 | 0.4242525 | 2.308 | 0.0211 | 0.66347635 | count | 1 |
| AL591895.1 | 0.9791714 | 0.856298 | 1.1435 | 0.253 | 0.663486552 | count | 1 |
| SEMA3C | 0.5188033 | 0.3624234 | 1.4315 | 0.152 | 0.663651068 | count | 1 |
| LINC01184 | 0.5616172 | 0.3860254 | 1.4549 | 0.146 | 0.663860197 | count | 1 |
| THBS1 | 0.4748736 | 0.1158327 | 4.0997 | 4.27E-05 | 0.664315102 | count | 1 |
| ACY1 | 1.833216 | 1.089773 | 1.6822 | 0.0927 | 0.664390804 | count | 1 |
| TMEM106A | 0.5189463 | 0.2020151 | 2.5688 | 0.0103 | 0.664671565 | count | 1 |
| MN1 | 2.491399 | 1.29162 | 1.9289 | 0.0539 | 0.665110572 | count | 1 |
| AC139887.2 | 0.7365683 | 0.5823499 | 1.2648 | 0.206 | 0.665264202 | count | 1 |
| DLGAP4 | 0.5123537 | 0.1862365 | 2.7511 | 0.00598 | 0.665535093 | count | 1 |
| KAT5 | 0.5841085 | 0.2585405 | 2.2593 | 0.024 | 0.665540124 | count | 1 |

| | | | | | | | |
|--------------|-----------|-----------|--------|----------|-------------|-------|----------|
| COQ8A | 0.6119891 | 0.2663975 | 2.2973 | 0.0217 | 0.665642 | count | 1 |
| LMBRD2 | 0.689801 | 0.386574 | 1.7844 | 0.0745 | 0.665900063 | count | 1 |
| LRRRC8C-DT | 0.8344891 | 0.5091418 | 1.639 | 0.101 | 0.665961931 | count | 1 |
| SH3BP5 | 0.4824964 | 0.1194745 | 4.0385 | 5.54E-05 | 0.666084329 | count | 1 |
| KLC4 | 1.2090445 | 0.6866911 | 1.7607 | 0.0784 | 0.666274364 | count | 1 |
| RNASEH2B-AS1 | 1.2090445 | 0.6338101 | 1.9076 | 0.0566 | 0.666274364 | count | 1 |
| ZFP36L2 | 0.4651124 | 0.0565907 | 8.2189 | 3.29E-16 | 0.666287779 | count | 7.96E-12 |
| AP5S1 | 0.8635793 | 0.512222 | 1.6859 | 0.0919 | 0.666532294 | count | 1 |
| LINC01504 | 0.6500936 | 0.3338989 | 1.947 | 0.0517 | 0.666580165 | count | 1 |
| HIST1H4A | 1.1146845 | 0.8327714 | 1.3385 | 0.181 | 0.66675154 | count | 1 |
| 8-Mar | 0.5854167 | 0.2985279 | 1.961 | 0.05 | 0.667071841 | count | 1 |
| SCLT1 | 0.5214568 | 0.1860556 | 2.8027 | 0.00511 | 0.667091821 | count | 1 |
| ADGRE1 | 0.7537961 | 0.4160878 | 1.8116 | 0.0702 | 0.667242094 | count | 1 |
| SLC39A10 | 0.4908935 | 0.1563554 | 3.1396 | 0.00171 | 0.667303433 | count | 1 |
| WDR77 | 0.5364767 | 0.222207 | 2.4143 | 0.0158 | 0.667519559 | count | 1 |
| POMZP3 | 0.8117141 | 0.4596745 | 1.7658 | 0.0775 | 0.667575259 | count | 1 |
| SAP25 | 0.7018405 | 0.3750075 | 1.8715 | 0.0614 | 0.667686408 | count | 1 |
| BISPR | 0.5560425 | 0.2508748 | 2.2164 | 0.0268 | 0.667866324 | count | 1 |
| KDM3A | 0.5669263 | 0.2541545 | 2.2306 | 0.0258 | 0.667880097 | count | 1 |
| ACSF2 | 0.8372677 | 0.3354564 | 2.4959 | 0.0126 | 0.668340156 | count | 1 |
| MYCBP | 0.5738597 | 0.238038 | 2.4108 | 0.016 | 0.668458983 | count | 1 |
| ATN1 | 0.6189023 | 0.3975092 | 1.557 | 0.12 | 0.668464467 | count | 1 |
| UBR2 | 0.5093571 | 0.1710985 | 2.977 | 0.00294 | 0.668538291 | count | 1 |
| PDLIM2 | 0.4878993 | 0.1368164 | 3.5661 | 0.000369 | 0.668543338 | count | 1 |
| CDC14A | 0.5679953 | 0.3648393 | 1.5568 | 0.12 | 0.6691691 | count | 1 |
| AP001160.1 | 0.7408048 | 0.4389 | 1.6879 | 0.0916 | 0.669309092 | count | 1 |
| TP53I11 | 0.5933984 | 0.3422637 | 1.7337 | 0.0831 | 0.669430251 | count | 1 |
| AC012368.1 | 0.6037077 | 0.2737328 | 2.2055 | 0.0275 | 0.669646637 | count | 1 |
| MGAM | 0.9006827 | 0.6139605 | 1.467 | 0.143 | 0.669680557 | count | 1 |
| USP47 | 0.5095817 | 0.1698536 | 3.0001 | 0.00273 | 0.669867633 | count | 1 |
| ZNF579 | 0.6201911 | 0.4048928 | 1.5317 | 0.126 | 0.669904226 | count | 1 |
| MIR29B2CHG | 0.5647203 | 0.2823038 | 2.0004 | 0.0456 | 0.669930316 | count | 1 |
| XKR8 | 0.5970566 | 0.3085211 | 1.9352 | 0.0531 | 0.66995272 | count | 1 |
| ARRDC1 | 0.4948078 | 0.1551154 | 3.1899 | 0.00144 | 0.670476401 | count | 1 |
| PSMB9 | 0.4715249 | 0.0664152 | 7.0996 | 1.63E-12 | 0.670688145 | count | 3.93E-08 |
| RAP1GAP2 | 0.8407504 | 0.5097157 | 1.6494 | 0.0992 | 0.671321753 | count | 1 |
| AC040977.1 | 0.9900689 | 0.5605769 | 1.7662 | 0.0775 | 0.671543277 | count | 1 |
| ASXL2 | 0.5530142 | 0.228919 | 2.4158 | 0.0158 | 0.671629518 | count | 1 |
| MAVS | 0.528747 | 0.252221 | 2.0964 | 0.0362 | 0.672033405 | count | 1 |
| CREBBP | 0.5129546 | 0.1654585 | 3.1002 | 0.00196 | 0.672239829 | count | 1 |
| ZNF383 | 0.8425131 | 0.4601999 | 1.8308 | 0.0673 | 0.672831174 | count | 1 |
| TMEM107 | 0.5010247 | 0.1364738 | 3.6712 | 0.000247 | 0.672869731 | count | 1 |
| ECHDC3 | 0.6496159 | 0.3061101 | 2.1222 | 0.0339 | 0.672975048 | count | 1 |
| IRF2BP1 | 0.871625 | 0.488895 | 1.7828 | 0.0747 | 0.673218615 | count | 1 |
| GRAMD1A | 0.5275858 | 0.1791575 | 2.9448 | 0.00326 | 0.673293574 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|----------|
| CDK17 | 0.6634977 | 0.3072908 | 2.1592 | 0.0309 | 0.673471344 | count | 1 |
| PRKCB | 0.4932491 | 0.131846 | 3.7411 | 0.000187 | 0.673588702 | count | 1 |
| FGD4 | 0.5120412 | 0.1325184 | 3.8639 | 0.000114 | 0.673640771 | count | 1 |
| THRB | 1.125169 | 0.6144677 | 1.8311 | 0.0672 | 0.673656843 | count | 1 |
| KIF1C | 0.6282525 | 0.291366 | 2.1562 | 0.0312 | 0.673662609 | count | 1 |
| C1RL | 0.6037586 | 0.3679593 | 1.6408 | 0.101 | 0.67378176 | count | 1 |
| ARAP2 | 0.5609844 | 0.2619245 | 2.1418 | 0.0323 | 0.673928417 | count | 1 |
| AL391422.3 | 1.0526448 | 0.5547477 | 1.8975 | 0.0579 | 0.674491878 | count | 1 |
| NCR3LG1 | 1.0526448 | 0.6121247 | 1.7197 | 0.0856 | 0.674491878 | count | 1 |
| FFAR4 | 0.8734787 | 0.4523774 | 1.9309 | 0.0536 | 0.674759689 | count | 1 |
| SMG5 | 0.6513343 | 0.3486733 | 1.868 | 0.0619 | 0.674825846 | count | 1 |
| METTL9 | 0.4783245 | 0.0772446 | 6.1923 | 6.93E-10 | 0.675138701 | count | 1.67E-05 |
| NEDD9 | 0.4972481 | 0.1261412 | 3.942 | 8.31E-05 | 0.67536511 | count | 1 |
| SELENOO | 0.5532674 | 0.2438173 | 2.2692 | 0.0233 | 0.675377843 | count | 1 |
| INTS1 | 0.5955646 | 0.3052677 | 1.951 | 0.0512 | 0.675518155 | count | 1 |
| ARHGAP12 | 0.5483911 | 0.2238368 | 2.45 | 0.0144 | 0.675597822 | count | 1 |
| DTWD1 | 0.5309349 | 0.1902048 | 2.7914 | 0.00529 | 0.675798057 | count | 1 |
| MAP10 | 1.054508 | 0.4895367 | 2.1541 | 0.0313 | 0.675799621 | count | 1 |
| CTDSP2 | 0.5042323 | 0.1504409 | 3.3517 | 0.000815 | 0.675969122 | count | 1 |
| FRMD3 | 0.9961409 | 0.425936 | 2.3387 | 0.0194 | 0.676034726 | count | 1 |
| ABCC1 | 0.6130915 | 0.3040439 | 2.0165 | 0.0439 | 0.676071187 | count | 1 |
| HEATR5A | 0.722482 | 0.3810529 | 1.896 | 0.0581 | 0.676947862 | count | 1 |
| ZNF44 | 0.6669801 | 0.3765459 | 1.7713 | 0.0766 | 0.677155719 | count | 1 |
| HAUS4 | 0.6103617 | 0.3134927 | 1.947 | 0.0517 | 0.677257459 | count | 1 |
| WDR7 | 0.7497755 | 0.3432842 | 2.1841 | 0.029 | 0.677878679 | count | 1 |
| TIGD1 | 1.0579513 | 0.5822441 | 1.817 | 0.0693 | 0.67821658 | count | 1 |
| PCSK5 | 0.6838895 | 0.4489774 | 1.5232 | 0.128 | 0.678491058 | count | 1 |
| SLC9A6 | 0.9123403 | 0.4054719 | 2.2501 | 0.0245 | 0.679051697 | count | 1 |
| RIN3 | 0.4970527 | 0.1247367 | 3.9848 | 6.95E-05 | 0.679168407 | count | 1 |
| FAM210B | 0.5197652 | 0.1975679 | 2.6308 | 0.00857 | 0.679570921 | count | 1 |
| TERF2 | 0.5420856 | 0.2237841 | 2.4224 | 0.0155 | 0.67958335 | count | 1 |
| TAF1 | 0.5767187 | 0.2364478 | 2.4391 | 0.0148 | 0.679690507 | count | 1 |
| KBTBD3 | 0.624824 | 0.315243 | 1.982 | 0.0476 | 0.680073582 | count | 1 |
| NAA60 | 0.5329518 | 0.2600891 | 2.0491 | 0.0406 | 0.680237984 | count | 1 |
| PCNX2 | 0.6856629 | 0.5199454 | 1.3187 | 0.187 | 0.680330091 | count | 1 |
| DMXL2 | 0.4905068 | 0.1285147 | 3.8167 | 0.000139 | 0.68036876 | count | 1 |
| NME8 | 0.9143439 | 0.5204451 | 1.7568 | 0.0791 | 0.680663104 | count | 1 |
| ERAP2 | 0.60323 | 0.2103293 | 2.868 | 0.00417 | 0.680844961 | count | 1 |
| SENP1 | 0.7150253 | 0.3752153 | 1.9056 | 0.0568 | 0.680867936 | count | 1 |
| PPP3CA | 0.4950853 | 0.12421 | 3.9859 | 6.92E-05 | 0.681327108 | count | 1 |
| SELENON | 0.567038 | 0.2587276 | 2.1916 | 0.0285 | 0.681356179 | count | 1 |
| GEMIN4 | 0.7156586 | 0.3951683 | 1.811 | 0.0703 | 0.681501417 | count | 1 |
| MAN1C1 | 0.8276229 | 0.4224064 | 1.9593 | 0.0502 | 0.681567067 | count | 1 |
| TGIF2 | 0.7399926 | 0.2998819 | 2.4676 | 0.0137 | 0.681810126 | count | 1 |
| FGFR1 | 0.604162 | 0.3154446 | 1.9153 | 0.0556 | 0.681927373 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|------------|
| CLEC9A | 0.5573809 | 0.3910353 | 1.4254 | 0.154 | 0.682155895 | count | 1 |
| LGI2 | 1.0047675 | 0.4026123 | 2.4956 | 0.0126 | 0.682418495 | count | 1 |
| TONSL | 1.8814576 | 0.7038898 | 2.6729 | 0.00757 | 0.682707218 | count | 1 |
| NF1 | 0.5281915 | 0.2419702 | 2.1829 | 0.0291 | 0.682904785 | count | 1 |
| CCDC170 | 0.5403442 | 0.1866074 | 2.8956 | 0.00382 | 0.682945685 | count | 1 |
| ARID1A | 0.511307 | 0.1481347 | 3.4516 | 0.000567 | 0.683172923 | count | 1 |
| TNRC18 | 0.5669614 | 0.210822 | 2.6893 | 0.00721 | 0.683258044 | count | 1 |
| ARHGEF10L | 0.6234467 | 0.2326901 | 2.6793 | 0.00743 | 0.683291542 | count | 1 |
| ENO3 | 1.0060677 | 0.6048861 | 1.6632 | 0.0964 | 0.683380915 | count | 1 |
| NOM1 | 0.546015 | 0.2383918 | 2.2904 | 0.0221 | 0.683383655 | count | 1 |
| CRTC1 | 0.7420541 | 0.3649211 | 2.0335 | 0.0421 | 0.683813516 | count | 1 |
| CCDC117 | 0.5941858 | 0.2918372 | 2.036 | 0.0419 | 0.683834613 | count | 1 |
| PPP2R3B | 0.7421138 | 0.4778099 | 1.5532 | 0.121 | 0.68387152 | count | 1 |
| MPV17L2 | 0.5782125 | 0.272264 | 2.1237 | 0.0338 | 0.683937392 | count | 1 |
| TMEM117 | 1.1413424 | 0.5678795 | 2.0098 | 0.0446 | 0.684312719 | count | 1 |
| PES1 | 0.5541648 | 0.2098207 | 2.6411 | 0.00832 | 0.684326769 | count | 1 |
| LINC01004 | 1.5658337 | 0.9094394 | 1.7218 | 0.0852 | 0.684337385 | count | 1 |
| LCAT | 1.5658337 | 0.7887229 | 1.9853 | 0.0472 | 0.684337385 | count | 1 |
| FAM111A | 0.5144233 | 0.156224 | 3.2929 | 0.00101 | 0.684384133 | count | 1 |
| RASAL3 | 0.5921318 | 0.2525492 | 2.3446 | 0.0191 | 0.68447161 | count | 1 |
| FAM45A | 0.492918 | 0.1262894 | 3.9031 | 9.75E-05 | 0.68470453 | count | 1 |
| PSMG3-AS1 | 1.0673959 | 0.5245499 | 2.0349 | 0.042 | 0.684848067 | count | 1 |
| ZNF609 | 0.5512466 | 0.2987134 | 1.8454 | 0.0651 | 0.684876231 | count | 1 |
| GPANK1 | 0.5373511 | 0.1916742 | 2.8035 | 0.0051 | 0.685017022 | count | 1 |
| FOXN2 | 0.4991664 | 0.123189 | 4.052 | 5.24E-05 | 0.685143569 | count | 1 |
| EPC1 | 0.4952701 | 0.1355813 | 3.6529 | 0.000265 | 0.685234007 | count | 1 |
| COX15 | 0.5813699 | 0.2716125 | 2.1404 | 0.0324 | 0.685302335 | count | 1 |
| MTMR3 | 0.5984501 | 0.2788498 | 2.1461 | 0.032 | 0.685666139 | count | 1 |
| VCAN | 0.4769104 | 0.0815393 | 5.8488 | 5.61E-09 | 0.68623819 | count | 0.00013464 |
| MAP3K5 | 0.5710497 | 0.2681691 | 2.1294 | 0.0333 | 0.686279728 | count | 1 |
| AC025171.4 | 2.5840835 | 1.1334279 | 2.2799 | 0.0227 | 0.686317766 | count | 1 |
| CCNL1 | 0.4823302 | 0.0771439 | 6.2523 | 4.75E-10 | 0.686337595 | count | 1.14E-05 |
| CCNB1IP1 | 0.6183172 | 0.2658189 | 2.3261 | 0.0201 | 0.68636109 | count | 1 |
| AL118516.1 | 0.5031863 | 0.1526259 | 3.2969 | 0.000992 | 0.686508805 | count | 1 |
| FBLN1 | 1.892861 | 0.6683165 | 2.8323 | 0.00466 | 0.687007646 | count | 1 |
| NAA80 | 0.6842389 | 0.6186179 | 1.1061 | 0.269 | 0.687371054 | count | 1 |
| LINC01220 | 0.7930239 | 0.5559205 | 1.4265 | 0.154 | 0.687767216 | count | 1 |
| ZNF721 | 0.5679625 | 0.247363 | 2.2961 | 0.0218 | 0.688317643 | count | 1 |
| KDM4B | 0.5458701 | 0.2843868 | 1.9195 | 0.055 | 0.68896029 | count | 1 |
| SRD5A1 | 0.7231591 | 0.3622676 | 1.9962 | 0.046 | 0.689006449 | count | 1 |
| AC006449.6 | 0.5804806 | 0.356465 | 1.6284 | 0.104 | 0.68905874 | count | 1 |
| NLRC5 | 0.8614586 | 0.3249956 | 2.6507 | 0.00808 | 0.689067199 | count | 1 |
| PRX | 1.898538 | 0.9471539 | 2.0045 | 0.0451 | 0.68914445 | count | 1 |
| PHTF2 | 0.5768759 | 0.2199102 | 2.6232 | 0.00876 | 0.689190851 | count | 1 |
| CORO1A | 0.4813953 | 0.0515026 | 9.347 | 1.96E-20 | 0.689301754 | count | 4.75E-16 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| ASGR1 | 0.4907158 | 0.0931637 | 5.2672 | 1.51E-07 | 0.689389977 | count | 0.003608145 |
| AGO4 | 0.5409737 | 0.1926785 | 2.8077 | 0.00503 | 0.689701085 | count | 1 |
| ACTR5 | 0.8371127 | 0.4476836 | 1.8699 | 0.0616 | 0.689921645 | count | 1 |
| SHPRH | 0.5335938 | 0.194071 | 2.7495 | 0.00601 | 0.689977636 | count | 1 |
| TMEM150B | 0.7782939 | 0.5614086 | 1.3863 | 0.166 | 0.690240191 | count | 1 |
| RNF167 | 0.5141053 | 0.150045 | 3.4263 | 0.000622 | 0.690270254 | count | 1 |
| PACRGL | 0.8628723 | 0.4701763 | 1.8352 | 0.0666 | 0.690279643 | count | 1 |
| KLRG1 | 1.1506806 | 0.6828581 | 1.6851 | 0.0921 | 0.69046722 | count | 1 |
| RND3 | 0.5401735 | 0.385445 | 1.4014 | 0.161 | 0.690487129 | count | 1 |
| CHRNE | 0.5416637 | 0.214147 | 2.5294 | 0.0115 | 0.690593328 | count | 1 |
| RBMS2 | 0.634415 | 0.312658 | 2.0291 | 0.0426 | 0.690865585 | count | 1 |
| ERMARD | 0.7254295 | 0.3947424 | 1.8377 | 0.0662 | 0.691279081 | count | 1 |
| ERCC6L2 | 0.588601 | 0.2696339 | 2.183 | 0.0291 | 0.691462597 | count | 1 |
| TMEM186 | 0.6971479 | 0.4459594 | 1.5633 | 0.118 | 0.692245939 | count | 1 |
| SP1 | 0.5571003 | 0.2248993 | 2.4771 | 0.0133 | 0.692275556 | count | 1 |
| COQ6 | 0.6814759 | 0.3216987 | 2.1184 | 0.0342 | 0.692502221 | count | 1 |
| XPOT | 0.6214443 | 0.2871176 | 2.1644 | 0.0305 | 0.694126939 | count | 1 |
| HNRNPH1 | 0.48869 | 0.0772576 | 6.3255 | 2.99E-10 | 0.694232573 | count | 7.19E-06 |
| SIRPB1 | 0.5094013 | 0.1363163 | 3.7369 | 0.000191 | 0.694466016 | count | 1 |
| HVCN1 | 0.523576 | 0.1417264 | 3.6943 | 0.000225 | 0.694602116 | count | 1 |
| ZNF70 | 1.3905271 | 0.7354572 | 1.8907 | 0.0588 | 0.694765228 | count | 1 |
| EZH1 | 0.5703419 | 0.2499157 | 2.2821 | 0.0226 | 0.694890242 | count | 1 |
| SUCO | 0.5267003 | 0.1890141 | 2.7866 | 0.00537 | 0.695129423 | count | 1 |
| VTI1A | 0.543784 | 0.2234556 | 2.4335 | 0.015 | 0.695166953 | count | 1 |
| HAS1 | 0.6340065 | 0.3623174 | 1.7499 | 0.0803 | 0.695247072 | count | 1 |
| AQR | 0.5679663 | 0.2159278 | 2.6304 | 0.00858 | 0.69536103 | count | 1 |
| AL022328.4 | 0.8210316 | 0.4029234 | 2.0377 | 0.0417 | 0.695420452 | count | 1 |
| SRGAP2 | 0.5167997 | 0.142519 | 3.6262 | 0.000294 | 0.695440545 | count | 1 |
| VPS13B | 0.6014011 | 0.2998901 | 2.0054 | 0.045 | 0.695468468 | count | 1 |
| RAB3GAP1 | 0.5530278 | 0.2033442 | 2.7197 | 0.00658 | 0.695882369 | count | 1 |
| GORASP1 | 0.6588996 | 0.408494 | 1.613 | 0.107 | 0.695948426 | count | 1 |
| NIPSNAP3A | 0.5280875 | 0.1682305 | 3.1391 | 0.00172 | 0.695992758 | count | 1 |
| NR3C2 | 1.5904326 | 0.8768598 | 1.8138 | 0.0698 | 0.696019905 | count | 1 |
| GRK3 | 0.5222386 | 0.1393076 | 3.7488 | 0.000182 | 0.696052302 | count | 1 |
| AL118558.3 | 0.6779946 | 0.3012104 | 2.2509 | 0.0245 | 0.696385566 | count | 1 |
| SUMF1 | 0.5715465 | 0.2950807 | 1.9369 | 0.0529 | 0.696386924 | count | 1 |
| AC234772.3 | 0.9758215 | 0.6653079 | 1.4667 | 0.143 | 0.697322475 | count | 1 |
| AC010173.1 | 0.9355214 | 0.4510381 | 2.0742 | 0.0382 | 0.697708438 | count | 1 |
| KCNJ2 | 0.7214288 | 0.3312159 | 2.1781 | 0.0295 | 0.697950294 | count | 1 |
| EPHA1-AS1 | 1.08608 | 0.4168293 | 2.6056 | 0.00923 | 0.697974418 | count | 1 |
| ARC | 2.638107 | 1.095782 | 2.4075 | 0.0161 | 0.698238069 | count | 1 |
| FBRSL1 | 0.5865752 | 0.3493936 | 1.6788 | 0.0933 | 0.698784036 | count | 1 |
| SLC9A9 | 0.5419925 | 0.1609874 | 3.3667 | 0.000773 | 0.699470565 | count | 1 |
| HCG11 | 0.7454659 | 0.3724373 | 2.0016 | 0.0454 | 0.699632639 | count | 1 |
| C12orf29 | 0.6052722 | 0.3218843 | 1.8804 | 0.0602 | 0.700062653 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| TTPAL | 0.7236704 | 0.489407 | 1.4787 | 0.139 | 0.700224715 | count | 1 |
| TMEM241 | 1.400569 | 0.7665934 | 1.827 | 0.0678 | 0.700275352 | count | 1 |
| HEATR5B | 0.6574427 | 0.2918198 | 2.2529 | 0.0244 | 0.700363987 | count | 1 |
| CD33 | 0.5028268 | 0.099033 | 5.0774 | 4.11E-07 | 0.700910651 | count | 0.009803172 |
| MIEF2 | 0.9397292 | 0.5089668 | 1.8463 | 0.065 | 0.701097981 | count | 1 |
| NME2 | 0.7353816 | 0.4273057 | 1.721 | 0.0854 | 0.701245374 | count | 1 |
| MORC2 | 0.850622 | 0.4691454 | 1.8131 | 0.0699 | 0.701825022 | count | 1 |
| AC026471.1 | 0.6644007 | 0.510067 | 1.3026 | 0.193 | 0.701977934 | count | 1 |
| HIST1H1D | 0.5824335 | 0.273437 | 2.13 | 0.0333 | 0.702301269 | count | 1 |
| NUP37 | 0.5986961 | 0.2700497 | 2.217 | 0.0267 | 0.703611621 | count | 1 |
| FAM114A2 | 0.5991859 | 0.2465213 | 2.4306 | 0.0151 | 0.704201221 | count | 1 |
| HHIPL1 | 2.6659486 | 0.9442763 | 2.8233 | 0.00479 | 0.704252843 | count | 1 |
| TNFAIP6 | 0.5634542 | 0.2984576 | 1.8879 | 0.0592 | 0.70430565 | count | 1 |
| UBR4 | 0.5274502 | 0.1594268 | 3.3084 | 0.000952 | 0.704569243 | count | 1 |
| RAB28 | 0.5843385 | 0.2659522 | 2.1972 | 0.0281 | 0.704646892 | count | 1 |
| RAC2 | 0.4967386 | 0.0718085 | 6.9175 | 5.84E-12 | 0.705085217 | count | 1.41E-07 |
| ARHGEF19 | 0.9100716 | 0.5096772 | 1.7856 | 0.0743 | 0.705223491 | count | 1 |
| CD300LF | 0.5849425 | 0.1999331 | 2.9257 | 0.00347 | 0.705390635 | count | 1 |
| AL160272.1 | 0.8322058 | 0.5916514 | 1.4066 | 0.16 | 0.705507081 | count | 1 |
| ZNF212 | 1.0968996 | 0.5561913 | 1.9722 | 0.0487 | 0.70557948 | count | 1 |
| PIEZO1 | 0.6158155 | 0.2946068 | 2.0903 | 0.0367 | 0.706112846 | count | 1 |
| CCDC80 | 1.2751054 | 0.5837271 | 2.1844 | 0.029 | 0.706495117 | count | 1 |
| OPA1 | 0.5694891 | 0.2467666 | 2.3078 | 0.0211 | 0.706529233 | count | 1 |
| C4orf46 | 0.730925 | 0.3825289 | 1.9108 | 0.0562 | 0.707587994 | count | 1 |
| SLC16A1 | 0.6817548 | 0.2895135 | 2.3548 | 0.0186 | 0.707626837 | count | 1 |
| AVL9 | 0.6451176 | 0.287479 | 2.2441 | 0.0249 | 0.70783513 | count | 1 |
| PTCD1 | 1.0393072 | 0.4869859 | 2.1342 | 0.0329 | 0.708006427 | count | 1 |
| KLRB1 | 1.277851 | 1.132028 | 1.1288 | 0.259 | 0.708166301 | count | 1 |
| POM121C | 0.589105 | 0.2143929 | 2.7478 | 0.00604 | 0.708450301 | count | 1 |
| ZGRF1 | 1.4166503 | 0.7530396 | 1.8812 | 0.0601 | 0.7090924 | count | 1 |
| DENND6A | 0.5880298 | 0.3151243 | 1.866 | 0.0622 | 0.709192548 | count | 1 |
| TRUB1 | 0.8364313 | 0.4393761 | 1.9037 | 0.0571 | 0.709323392 | count | 1 |
| EEF2K | 0.6281295 | 0.3028276 | 2.0742 | 0.0382 | 0.709783126 | count | 1 |
| AL162377.1 | 0.8600844 | 0.4722561 | 1.8212 | 0.0687 | 0.710169329 | count | 1 |
| ATG2A | 0.5473651 | 0.1960764 | 2.7916 | 0.00529 | 0.710189403 | count | 1 |
| ADPGK-AS1 | 0.9517376 | 0.6240387 | 1.5251 | 0.127 | 0.710775851 | count | 1 |
| GRSF1 | 0.5245095 | 0.1209707 | 4.3358 | 1.51E-05 | 0.711016699 | count | 0.3573868 |
| PDE2A | 0.8182443 | 0.393592 | 2.0789 | 0.0377 | 0.711025195 | count | 1 |
| MTF2 | 0.5409685 | 0.1930455 | 2.8023 | 0.00511 | 0.711037924 | count | 1 |
| DENND3 | 0.548046 | 0.1852849 | 2.9579 | 0.00313 | 0.711083749 | count | 1 |
| NUDCD3 | 0.6073209 | 0.2824901 | 2.1499 | 0.0317 | 0.711265972 | count | 1 |
| ZNF337 | 0.9954104 | 0.6388115 | 1.5582 | 0.119 | 0.712509939 | count | 1 |
| KIF22 | 0.5296587 | 0.1676009 | 3.1602 | 0.0016 | 0.712580147 | count | 1 |
| UPRT | 0.7589197 | 0.3262802 | 2.326 | 0.0201 | 0.712929221 | count | 1 |
| AC144652.1 | 0.5682744 | 0.2407842 | 2.3601 | 0.0183 | 0.712961906 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| UHRF1BP1 | 0.6588173 | 0.3269904 | 2.0148 | 0.044 | 0.713110834 | count | 1 |
| PTGS2 | 0.5113094 | 0.1581239 | 3.2336 | 0.00124 | 0.713143503 | count | 1 |
| MFSD8 | 0.7092519 | 0.3512987 | 2.0189 | 0.0436 | 0.713620823 | count | 1 |
| HIST2H2BE | 0.955431 | 0.3990156 | 2.3945 | 0.0167 | 0.713753813 | count | 1 |
| NR1D1 | 0.86429 | 0.4780651 | 1.8079 | 0.0707 | 0.713879722 | count | 1 |
| SPOPL | 0.5411801 | 0.1936859 | 2.7941 | 0.00524 | 0.713937884 | count | 1 |
| ZDHHC20 | 0.5381319 | 0.1796905 | 2.9948 | 0.00277 | 0.71410134 | count | 1 |
| ADCY9 | 0.8908582 | 0.5945969 | 1.4983 | 0.134 | 0.714305932 | count | 1 |
| AC098818.2 | 0.6600863 | 0.50545 | 1.3059 | 0.192 | 0.714532075 | count | 1 |
| GADD45G | 0.5315591 | 0.2358331 | 2.254 | 0.0243 | 0.714536608 | count | 1 |
| PET117 | 0.6950095 | 0.3221131 | 2.1577 | 0.0311 | 0.714590079 | count | 1 |
| SLC2A4RG | 0.5468527 | 0.1782161 | 3.0685 | 0.00218 | 0.714786797 | count | 1 |
| PLBD1-AS1 | 1.1876494 | 0.6866195 | 1.7297 | 0.0838 | 0.714841252 | count | 1 |
| SAXO2 | 1.1876494 | 0.6114972 | 1.9422 | 0.0522 | 0.714841252 | count | 1 |
| ZNF888 | 1.1876494 | 0.6458305 | 1.8389 | 0.066 | 0.714841252 | count | 1 |
| USP46 | 0.6706352 | 0.3284535 | 2.0418 | 0.0413 | 0.714936883 | count | 1 |
| ZNF558 | 1.9682431 | 0.870036 | 2.2623 | 0.0238 | 0.715133138 | count | 1 |
| PAN3 | 0.5594404 | 0.1814055 | 3.0839 | 0.00207 | 0.715466733 | count | 1 |
| GOLM1 | 0.6562975 | 0.2979922 | 2.2024 | 0.0277 | 0.715512326 | count | 1 |
| BATF3 | 0.5815845 | 0.1871759 | 3.1072 | 0.00191 | 0.715671616 | count | 1 |
| RNF19A | 0.525918 | 0.1349261 | 3.8978 | 9.97E-05 | 0.715679249 | count | 1 |
| CCND3 | 0.5267369 | 0.1155134 | 4.56 | 5.37E-06 | 0.715923891 | count | 0.12746769 |
| EDRF1 | 0.6243919 | 0.364458 | 1.7132 | 0.0868 | 0.71621807 | count | 1 |
| UBXN8 | 0.6971172 | 0.3175377 | 2.1954 | 0.0282 | 0.716846572 | count | 1 |
| GIMAP1 | 0.5399765 | 0.1366137 | 3.9526 | 7.95E-05 | 0.717010838 | count | 1 |
| CYSLTR1 | 0.541435 | 0.1408197 | 3.8449 | 0.000124 | 0.717171972 | count | 1 |
| GBA2 | 0.653383 | 0.3562137 | 1.8342 | 0.0667 | 0.717204582 | count | 1 |
| MAEA | 0.5769547 | 0.2080385 | 2.7733 | 0.00559 | 0.717384989 | count | 1 |
| MAN2B2 | 0.6454449 | 0.2352224 | 2.744 | 0.00611 | 0.717436382 | count | 1 |
| RTP4 | 0.8072106 | 0.4354718 | 1.8536 | 0.0639 | 0.717441809 | count | 1 |
| APC | 0.5484018 | 0.1738202 | 3.155 | 0.00162 | 0.717446442 | count | 1 |
| DNAJC4 | 0.5184212 | 0.1066925 | 4.859 | 1.25E-06 | 0.717744024 | count | 0.02976375 |
| RARG | 0.7639815 | 0.3869733 | 1.9742 | 0.0485 | 0.717935129 | count | 1 |
| FANCI | 1.1926301 | 0.631952 | 1.8872 | 0.0592 | 0.718125726 | count | 1 |
| NFKBID | 0.510694 | 0.0952155 | 5.3636 | 8.92E-08 | 0.718423246 | count | 0.002132683 |
| AHNAK | 0.5041592 | 0.0705599 | 7.1451 | 1.18E-12 | 0.718947499 | count | 2.85E-08 |
| HIPK1 | 0.5423687 | 0.160551 | 3.3782 | 0.000741 | 0.719332261 | count | 1 |
| TRPM7 | 0.5708333 | 0.200815 | 2.8426 | 0.00451 | 0.719822006 | count | 1 |
| CMPK2 | 0.6304489 | 0.3293964 | 1.914 | 0.0557 | 0.719868034 | count | 1 |
| FEM1A | 0.6931656 | 0.3072483 | 2.256 | 0.0242 | 0.719947703 | count | 1 |
| GLCE | 0.6197063 | 0.2564102 | 2.4169 | 0.0157 | 0.720283015 | count | 1 |
| SLCO3A1 | 0.5377455 | 0.1476731 | 3.6415 | 0.000277 | 0.720945103 | count | 1 |
| E4F1 | 0.7011466 | 0.3937998 | 1.7805 | 0.0751 | 0.72116124 | count | 1 |
| STAT6 | 0.5436636 | 0.156354 | 3.4771 | 0.000516 | 0.721954044 | count | 1 |
| PCF11-AS1 | 1.1984517 | 0.5854594 | 2.047 | 0.0408 | 0.721964785 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|------------|
| SPACA6 | 0.6951342 | 0.3411339 | 2.0377 | 0.0417 | 0.722074206 | count | 1 |
| STRN3 | 0.5497775 | 0.1827684 | 3.0081 | 0.00266 | 0.722186079 | count | 1 |
| AC097634.1 | 1.1211981 | 0.6751406 | 1.6607 | 0.0969 | 0.722667295 | count | 1 |
| MAN2A1 | 0.5642704 | 0.2145661 | 2.6298 | 0.0086 | 0.723550335 | count | 1 |
| WDR91 | 0.6228201 | 0.2817541 | 2.2105 | 0.0272 | 0.723995935 | count | 1 |
| YPEL4 | 0.9326696 | 0.5385274 | 1.7319 | 0.0834 | 0.724072732 | count | 1 |
| LONP2 | 0.5407333 | 0.1788009 | 3.0242 | 0.00252 | 0.724289692 | count | 1 |
| GIMAP6 | 0.7121388 | 0.2362916 | 3.0138 | 0.00261 | 0.725015156 | count | 1 |
| RELL2 | 1.0624843 | 0.4477795 | 2.3728 | 0.0177 | 0.72519806 | count | 1 |
| ZNF582 | 1.1253241 | 0.5900906 | 1.907 | 0.0566 | 0.725569832 | count | 1 |
| CCDC93 | 0.5607696 | 0.2043418 | 2.7443 | 0.00611 | 0.72557442 | count | 1 |
| SH3RF1 | 0.6194316 | 0.2964619 | 2.0894 | 0.0368 | 0.725805278 | count | 1 |
| CDC37L1 | 0.5952525 | 0.2514855 | 2.3669 | 0.018 | 0.725856622 | count | 1 |
| TSGA10 | 0.6611274 | 0.4796557 | 1.3783 | 0.168 | 0.725987514 | count | 1 |
| LGALS12 | 1.4475793 | 0.6835032 | 2.1179 | 0.0343 | 0.726024187 | count | 1 |
| ARSD | 0.6001985 | 0.2975115 | 2.0174 | 0.0438 | 0.726223964 | count | 1 |
| ZNF445 | 0.7602959 | 0.3527667 | 2.1552 | 0.0312 | 0.726226048 | count | 1 |
| TM7SF2 | 0.9051438 | 0.3775833 | 2.3972 | 0.0166 | 0.726587142 | count | 1 |
| NOTCH1 | 0.658734 | 0.2857064 | 2.3056 | 0.0212 | 0.728074383 | count | 1 |
| STAT5A | 0.5747019 | 0.1770397 | 3.2462 | 0.00119 | 0.728161867 | count | 1 |
| CCDC14 | 0.6215129 | 0.2637279 | 2.3566 | 0.0185 | 0.72830481 | count | 1 |
| AC008124.1 | 0.6551306 | 0.4561227 | 1.4363 | 0.151 | 0.728543184 | count | 1 |
| DLG1 | 0.6057068 | 0.2971142 | 2.0386 | 0.0416 | 0.728851921 | count | 1 |
| ENPP1 | 0.8582171 | 0.6608837 | 1.2986 | 0.194 | 0.72901676 | count | 1 |
| GSPT2 | 0.8196087 | 0.4200416 | 1.9513 | 0.0511 | 0.729121351 | count | 1 |
| TIPIN | 0.6448601 | 0.3100381 | 2.0799 | 0.0376 | 0.729249813 | count | 1 |
| SLC12A6 | 0.5832856 | 0.251357 | 2.3205 | 0.0204 | 0.729518727 | count | 1 |
| ZNF93 | 0.7427371 | 0.3871836 | 1.9183 | 0.0552 | 0.729907453 | count | 1 |
| ZMYM6 | 0.6603687 | 0.319185 | 2.0689 | 0.0387 | 0.729939439 | count | 1 |
| TMLHE | 0.6306042 | 0.2315396 | 2.7235 | 0.0065 | 0.730149031 | count | 1 |
| KBTBD6 | 2.792011 | 1.407034 | 1.9843 | 0.0473 | 0.730384327 | count | 1 |
| ATP6V0C | 1.3150665 | 0.6115327 | 2.1504 | 0.0316 | 0.730806423 | count | 1 |
| LYL1 | 0.527688 | 0.1150243 | 4.5876 | 4.71E-06 | 0.73106289 | count | 0.11183424 |
| AP004609.3 | 0.8054519 | 0.5103598 | 1.5782 | 0.115 | 0.73119575 | count | 1 |
| COL9A2 | 0.9771458 | 0.4506401 | 2.1684 | 0.0302 | 0.731274037 | count | 1 |
| RPP38 | 0.5783519 | 0.2170346 | 2.6648 | 0.00775 | 0.73174788 | count | 1 |
| BIN1 | 0.5455374 | 0.1528597 | 3.5689 | 0.000365 | 0.731825009 | count | 1 |
| GIMAP4 | 0.5200391 | 0.0722714 | 7.1956 | 8.22E-13 | 0.73192762 | count | 1.98E-08 |
| EXTL3 | 0.7043429 | 0.3433805 | 2.0512 | 0.0404 | 0.732024996 | count | 1 |
| ZNF75D | 1.07179 | 0.4809009 | 2.2287 | 0.0259 | 0.732104442 | count | 1 |
| POLB | 0.5938034 | 0.1879895 | 3.1587 | 0.0016 | 0.732615872 | count | 1 |
| SLC16A6 | 0.5699144 | 0.2502821 | 2.2771 | 0.0229 | 0.732652612 | count | 1 |
| AC106739.1 | 1.2148554 | 0.6462805 | 1.8798 | 0.0603 | 0.732782217 | count | 1 |
| CXXC1 | 0.6024883 | 0.2409689 | 2.5003 | 0.0125 | 0.732976688 | count | 1 |
| SLC7A7 | 0.5245468 | 0.0760993 | 6.8929 | 6.93E-12 | 0.733252181 | count | 1.67E-07 |

| | | | | | | | |
|------------|-----------|-----------|---------|----------|-------------|-------|-------------|
| AC005070.3 | 1.6701696 | 0.7347701 | 2.2731 | 0.0231 | 0.733630613 | count | 1 |
| ARL15 | 0.6993986 | 0.3672227 | 1.9046 | 0.057 | 0.733704832 | count | 1 |
| MLLT10 | 0.5647277 | 0.1818709 | 3.1051 | 0.00192 | 0.733719838 | count | 1 |
| AC004921.1 | 0.7208366 | 0.3785458 | 1.9042 | 0.057 | 0.734249518 | count | 1 |
| DIS3L2 | 0.6427117 | 0.3489091 | 1.8421 | 0.0656 | 0.734267222 | count | 1 |
| JUND | 0.5100163 | 0.0323646 | 15.7585 | 2.28E-53 | 0.73448932 | count | 5.54E-49 |
| FAM185A | 1.2182144 | 0.6471248 | 1.8825 | 0.0599 | 0.734997221 | count | 1 |
| CSRNP1 | 0.5271743 | 0.10171 | 5.1831 | 2.36E-07 | 0.735136141 | count | 0.005635444 |
| YY1AP1 | 0.6188587 | 0.2011379 | 3.0768 | 0.00212 | 0.735699442 | count | 1 |
| PDIA5 | 0.7154945 | 0.4774168 | 1.4987 | 0.134 | 0.736533787 | count | 1 |
| EEF1AKMT4 | 0.7024664 | 0.3426251 | 2.0502 | 0.0404 | 0.737048446 | count | 1 |
| WDR36 | 0.6107092 | 0.2579567 | 2.3675 | 0.018 | 0.737137059 | count | 1 |
| XPNPEP3 | 0.6452653 | 0.3376868 | 1.9108 | 0.0561 | 0.737266824 | count | 1 |
| GTF3C5 | 0.6908684 | 0.3123843 | 2.2116 | 0.0271 | 0.737309856 | count | 1 |
| SLC9A8 | 0.7324442 | 0.3330266 | 2.1994 | 0.0279 | 0.737998935 | count | 1 |
| DAG1 | 1.3269379 | 0.4977284 | 2.666 | 0.00773 | 0.738022952 | count | 1 |
| UBN2 | 0.6098334 | 0.266793 | 2.2858 | 0.0224 | 0.738128114 | count | 1 |
| SSBP2 | 0.5842264 | 0.205749 | 2.8395 | 0.00456 | 0.738151838 | count | 1 |
| KIZ | 0.7721919 | 0.3133428 | 2.4644 | 0.0138 | 0.738168419 | count | 1 |
| REC8 | 1.028512 | 0.4324274 | 2.3785 | 0.0175 | 0.738205983 | count | 1 |
| PHF12 | 0.6298878 | 0.2703166 | 2.3302 | 0.0199 | 0.738365018 | count | 1 |
| ZNF718 | 1.4701825 | 0.6654115 | 2.2094 | 0.0272 | 0.73837301 | count | 1 |
| MPV17L | 1.4701825 | 0.7060506 | 2.0823 | 0.0374 | 0.73837301 | count | 1 |
| TRA2A | 0.5359889 | 0.1268379 | 4.2258 | 2.47E-05 | 0.738629025 | count | 0.5835622 |
| LTC4S | 0.5293839 | 0.1245572 | 4.2501 | 2.22E-05 | 0.73881492 | count | 0.5247414 |
| FAM200A | 0.8300626 | 0.440252 | 1.8854 | 0.0595 | 0.738976695 | count | 1 |
| FFAR2 | 0.5955647 | 0.3008812 | 1.9794 | 0.0479 | 0.739467528 | count | 1 |
| HABP4 | 1.0303931 | 0.5060429 | 2.0362 | 0.0418 | 0.739667304 | count | 1 |
| MTMR4 | 0.7184734 | 0.3525971 | 2.0377 | 0.0417 | 0.73972711 | count | 1 |
| ZC3H7A | 0.5496374 | 0.1743744 | 3.1521 | 0.00164 | 0.739994361 | count | 1 |
| AC108488.1 | 0.8149534 | 0.5603796 | 1.4543 | 0.146 | 0.740314989 | count | 1 |
| FRAT1 | 0.5639601 | 0.173156 | 3.2569 | 0.00114 | 0.740444782 | count | 1 |
| FAS | 0.7121635 | 0.2500786 | 2.8478 | 0.00444 | 0.740480175 | count | 1 |
| NRG1 | 0.5803658 | 0.2311087 | 2.5112 | 0.0121 | 0.740671635 | count | 1 |
| NOMO3 | 1.3317222 | 0.5389163 | 2.4711 | 0.0135 | 0.740930359 | count | 1 |
| POLL | 0.7000486 | 0.2961794 | 2.3636 | 0.0182 | 0.74110027 | count | 1 |
| CCR2 | 0.7062885 | 0.296333 | 2.3834 | 0.0172 | 0.741215014 | count | 1 |
| NEIL1 | 0.9537661 | 0.5800434 | 1.6443 | 0.1 | 0.741691168 | count | 1 |
| NKTR | 0.5381446 | 0.1348341 | 3.9912 | 6.77E-05 | 0.741752119 | count | 1 |
| CWF19L2 | 0.562902 | 0.1631605 | 3.45 | 0.00057 | 0.741838398 | count | 1 |
| NSUN5 | 0.6261048 | 0.2778839 | 2.2531 | 0.0243 | 0.74196979 | count | 1 |
| JAZF1 | 0.5791806 | 0.1546154 | 3.7459 | 0.000184 | 0.742016094 | count | 1 |
| RHOF | 0.6283286 | 0.2716064 | 2.3134 | 0.0208 | 0.742031172 | count | 1 |
| NAPRT | 0.5407604 | 0.1219432 | 4.4345 | 9.63E-06 | 0.742572313 | count | 0.22827915 |
| PAK4 | 1.0859047 | 0.6433308 | 1.6879 | 0.0915 | 0.742583535 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|---------|----------|-------------|-------|------------|
| CD79B | 1.0869043 | 0.4715262 | 2.3051 | 0.0212 | 0.743325819 | count | 1 |
| C19orf25 | 0.5508923 | 0.1894777 | 2.9074 | 0.00368 | 0.743511228 | count | 1 |
| TMEM254 | 0.672262 | 0.350645 | 1.9172 | 0.0553 | 0.743513651 | count | 1 |
| PAXIP1-AS1 | 0.7155206 | 0.3864852 | 1.8514 | 0.0642 | 0.744110883 | count | 1 |
| RASSF2 | 0.5486437 | 0.1477356 | 3.7137 | 0.000209 | 0.744224429 | count | 1 |
| KDM1B | 0.6070981 | 0.2319994 | 2.6168 | 0.00893 | 0.744227609 | count | 1 |
| MTAP | 0.5911157 | 0.2850058 | 2.074 | 0.0382 | 0.744602195 | count | 1 |
| CHCHD4 | 0.6692327 | 0.2976203 | 2.2486 | 0.0246 | 0.744724767 | count | 1 |
| CDC42EP3 | 0.537813 | 0.121421 | 4.4293 | 9.87E-06 | 0.744831408 | count | 0.23392887 |
| S1PR3 | 0.6517492 | 0.382628 | 1.7033 | 0.0886 | 0.744884879 | count | 1 |
| ASB16-AS1 | 0.7480361 | 0.5183019 | 1.4432 | 0.149 | 0.745156751 | count | 1 |
| HIST1H4E | 0.8999892 | 0.4779876 | 1.8829 | 0.0598 | 0.745414688 | count | 1 |
| INO80D | 0.662502 | 0.2365149 | 2.8011 | 0.00513 | 0.745700033 | count | 1 |
| ZBTB20 | 0.5844159 | 0.1848505 | 3.1616 | 0.00159 | 0.745915751 | count | 1 |
| FBRS | 0.575296 | 0.1868529 | 3.0789 | 0.0021 | 0.746144515 | count | 1 |
| FANCF | 0.8569338 | 0.5450911 | 1.5721 | 0.116 | 0.746782101 | count | 1 |
| INTU | 1.0915997 | 0.5410254 | 2.0176 | 0.0437 | 0.746812697 | count | 1 |
| ULK2 | 0.7496567 | 0.3515321 | 2.1325 | 0.0331 | 0.74684459 | count | 1 |
| RUNDC1 | 0.7594081 | 0.3300869 | 2.3006 | 0.0215 | 0.747070294 | count | 1 |
| CTSS | 0.5191505 | 0.0367871 | 14.1123 | 1.54E-43 | 0.747634562 | count | 3.74E-39 |
| ASH2L | 0.6194507 | 0.3062651 | 2.0226 | 0.0432 | 0.747914989 | count | 1 |
| FBF1 | 2.0582029 | 0.9356486 | 2.1998 | 0.0279 | 0.747950447 | count | 1 |
| LRRRC58 | 0.5700617 | 0.1978176 | 2.8818 | 0.00399 | 0.747951892 | count | 1 |
| PABPN1 | 0.5457724 | 0.1249594 | 4.3676 | 1.31E-05 | 0.747989695 | count | 0.3102211 |
| AC010240.3 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 0.748551582 | count | 1 |
| CAPN5 | 1.702071 | 0.7881152 | 2.1597 | 0.0309 | 0.748551582 | count | 1 |
| AL359232.1 | 1.702071 | 0.7334359 | 2.3207 | 0.0204 | 0.748551582 | count | 1 |
| PIK3C2A | 0.6067143 | 0.1807665 | 3.3563 | 0.000802 | 0.748844724 | count | 1 |
| CHD8 | 0.5804765 | 0.1977551 | 2.9353 | 0.00336 | 0.748981434 | count | 1 |
| CPEB2 | 0.6864738 | 0.386476 | 1.7762 | 0.0758 | 0.749552043 | count | 1 |
| HOXB2 | 0.6864738 | 0.3525539 | 1.9471 | 0.0516 | 0.749552043 | count | 1 |
| ZBTB24 | 0.5819127 | 0.234875 | 2.4775 | 0.0133 | 0.750018681 | count | 1 |
| AC011978.2 | 1.7052872 | 0.7403583 | 2.3033 | 0.0213 | 0.750051657 | count | 1 |
| WWC3 | 0.6738944 | 0.2755951 | 2.4452 | 0.0145 | 0.750076487 | count | 1 |
| RASSF8-AS1 | 1.4923464 | 0.6896534 | 2.1639 | 0.0306 | 0.750458484 | count | 1 |
| PLEKHF2 | 0.5809774 | 0.1993844 | 2.9139 | 0.0036 | 0.750459881 | count | 1 |
| LEKR1 | 0.8108002 | 0.7815349 | 1.0374 | 0.3 | 0.75079139 | count | 1 |
| PLA1A | 0.9652346 | 0.5164931 | 1.8688 | 0.0618 | 0.751276748 | count | 1 |
| DGKZ | 0.5557824 | 0.157816 | 3.5217 | 0.000437 | 0.751313735 | count | 1 |
| TLR8 | 0.5964854 | 0.1937572 | 3.0785 | 0.0021 | 0.751475833 | count | 1 |
| SNX21 | 0.8840819 | 0.3852801 | 2.2946 | 0.0218 | 0.752432053 | count | 1 |
| SLC41A3 | 0.646702 | 0.4062565 | 1.5919 | 0.112 | 0.752491227 | count | 1 |
| SSH2 | 0.5554519 | 0.1252793 | 4.4337 | 9.67E-06 | 0.752757715 | count | 0.22920801 |
| ZNF493 | 0.7562368 | 0.4369903 | 1.7306 | 0.0837 | 0.753699339 | count | 1 |
| FAR1 | 0.5577493 | 0.169991 | 3.2811 | 0.00105 | 0.75370921 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| LNPEP | 0.5623772 | 0.1573531 | 3.574 | 0.000358 | 0.753899229 | count | 1 |
| MCM2 | 1.3535414 | 0.7184791 | 1.8839 | 0.0597 | 0.754182088 | count | 1 |
| ZNF595 | 1.3535414 | 0.7649977 | 1.7693 | 0.077 | 0.754182088 | count | 1 |
| MALINC1 | 1.3535414 | 0.8118608 | 1.6672 | 0.0956 | 0.754182088 | count | 1 |
| SCAMP5 | 1.3535414 | 0.8915718 | 1.5182 | 0.129 | 0.754182088 | count | 1 |
| DDX60 | 0.6384618 | 0.2508116 | 2.5456 | 0.011 | 0.754288717 | count | 1 |
| PPP1R9B | 0.5960033 | 0.2403189 | 2.4801 | 0.0132 | 0.754433498 | count | 1 |
| SMCHD1 | 0.5394164 | 0.0914712 | 5.8971 | 4.21E-09 | 0.754566638 | count | 0.000101057 |
| GIMAP2 | 0.620051 | 0.1706155 | 3.6342 | 0.000285 | 0.754784493 | count | 1 |
| PLD4 | 0.5675585 | 0.1850949 | 3.0663 | 0.00219 | 0.75489592 | count | 1 |
| TMOD1 | 0.8872205 | 0.4187832 | 2.1186 | 0.0342 | 0.755275716 | count | 1 |
| ISYNA1 | 1.0071864 | 0.4973162 | 2.0252 | 0.043 | 0.755541263 | count | 1 |
| OGT | 0.5810395 | 0.1866364 | 3.1132 | 0.00187 | 0.755903864 | count | 1 |
| IKBKE | 0.7082166 | 0.2942751 | 2.4066 | 0.0162 | 0.756513419 | count | 1 |
| SLC2A9 | 0.6796978 | 0.3296436 | 2.0619 | 0.0393 | 0.756740679 | count | 1 |
| OFD1 | 0.5802287 | 0.1699287 | 3.4145 | 0.000649 | 0.756936156 | count | 1 |
| IER2 | 0.5283648 | 0.0604868 | 8.7352 | 4.42E-18 | 0.757308417 | count | 1.07E-13 |
| DHRS7B | 0.5754134 | 0.2307788 | 2.4934 | 0.0127 | 0.758504749 | count | 1 |
| SLC35A3 | 0.6573038 | 0.3844562 | 1.7097 | 0.0874 | 0.758530675 | count | 1 |
| FAM117A | 1.0548473 | 0.5739346 | 1.8379 | 0.0662 | 0.758672668 | count | 1 |
| MLLT6 | 0.5843678 | 0.2420962 | 2.4138 | 0.0159 | 0.75881553 | count | 1 |
| RAB39A | 0.7522945 | 0.3241683 | 2.3207 | 0.0204 | 0.758891694 | count | 1 |
| RGS18 | 0.5757799 | 0.1368809 | 4.2064 | 2.69E-05 | 0.758993027 | count | 0.6352973 |
| ZFAND1 | 0.5750774 | 0.165732 | 3.4699 | 0.00053 | 0.759137737 | count | 1 |
| SNX13 | 0.5792099 | 0.1644982 | 3.5211 | 0.000438 | 0.759479062 | count | 1 |
| TESC | 0.5712806 | 0.144996 | 3.94 | 8.38E-05 | 0.759894276 | count | 1 |
| TMEM8B | 1.056597 | 0.4856196 | 2.1758 | 0.0297 | 0.760033076 | count | 1 |
| IFFO1 | 0.6096935 | 0.1986585 | 3.0691 | 0.00217 | 0.760294288 | count | 1 |
| VILL | 1.174892 | 0.5764675 | 2.0381 | 0.0416 | 0.760451831 | count | 1 |
| WDFY3 | 0.5877159 | 0.2273576 | 2.585 | 0.0098 | 0.760897645 | count | 1 |
| TUBD1 | 0.7460991 | 0.4431119 | 1.6838 | 0.0924 | 0.761097727 | count | 1 |
| LYSMD4 | 0.893704 | 0.4691302 | 1.905 | 0.0569 | 0.761151553 | count | 1 |
| SPNS3 | 0.7184855 | 0.3762791 | 1.9094 | 0.0563 | 0.761366049 | count | 1 |
| ODF2L | 0.6470481 | 0.2980956 | 2.1706 | 0.0301 | 0.761882024 | count | 1 |
| CC2D2B | 2.0996406 | 0.9322178 | 2.2523 | 0.0244 | 0.762769768 | count | 1 |
| IGSF8 | 0.653017 | 0.3290956 | 1.9843 | 0.0473 | 0.763152475 | count | 1 |
| FBXL18 | 2.100796 | 1.020723 | 2.0581 | 0.0397 | 0.763180003 | count | 1 |
| ALG8 | 0.6531624 | 0.3172057 | 2.0591 | 0.0396 | 0.763326741 | count | 1 |
| AC064807.1 | 1.0171789 | 0.479237 | 2.1225 | 0.0339 | 0.76361977 | count | 1 |
| ARHGAP27 | 0.6079755 | 0.2790624 | 2.1786 | 0.0295 | 0.76362147 | count | 1 |
| ZNF142 | 0.8756144 | 0.4766914 | 1.8369 | 0.0664 | 0.764076565 | count | 1 |
| B4GALT3 | 0.6009805 | 0.2321719 | 2.5885 | 0.0097 | 0.764205241 | count | 1 |
| CLASRP | 0.6682607 | 0.2167145 | 3.0836 | 0.00207 | 0.764295199 | count | 1 |
| MLKL | 0.6403513 | 0.2130051 | 3.0063 | 0.00267 | 0.764370625 | count | 1 |
| AC092171.3 | 1.1808337 | 0.5823427 | 2.0277 | 0.0427 | 0.76463393 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-----------|
| PHF8 | 0.7102455 | 0.3002703 | 2.3654 | 0.0181 | 0.764915232 | count | 1 |
| CITED4 | 0.6266544 | 0.223204 | 2.8075 | 0.00503 | 0.764936474 | count | 1 |
| CCDC149 | 0.6495947 | 0.2610446 | 2.4884 | 0.0129 | 0.764954481 | count | 1 |
| CNTRL | 0.5726313 | 0.1338289 | 4.2788 | 1.95E-05 | 0.76508712 | count | 0.4611945 |
| RANGAP1 | 0.7353547 | 0.3235904 | 2.2725 | 0.0231 | 0.765575507 | count | 1 |
| SPON2 | 1.264612 | 0.5920308 | 2.1361 | 0.0328 | 0.765583308 | count | 1 |
| CCDC136 | 1.264612 | 0.7147442 | 1.7693 | 0.077 | 0.765583308 | count | 1 |
| MALT1 | 0.5646693 | 0.139741 | 4.0408 | 5.49E-05 | 0.765604855 | count | 1 |
| LINC01136 | 0.899677 | 0.5143323 | 1.7492 | 0.0804 | 0.766566495 | count | 1 |
| GPATCH2 | 0.5870292 | 0.1761129 | 3.3333 | 0.000871 | 0.766597872 | count | 1 |
| SLC25A30 | 0.983973 | 0.5643668 | 1.7435 | 0.0814 | 0.766949237 | count | 1 |
| SIK3 | 0.5985679 | 0.2035887 | 2.9401 | 0.00331 | 0.76721009 | count | 1 |
| PURB | 0.5641136 | 0.1304874 | 4.3231 | 1.60E-05 | 0.768249268 | count | 0.378608 |
| LANCL1 | 0.8612625 | 0.5289709 | 1.6282 | 0.104 | 0.768426728 | count | 1 |
| RCAN1 | 0.5883485 | 0.1737953 | 3.3853 | 0.000722 | 0.769014577 | count | 1 |
| PIP5K1B | 1.0243813 | 0.5167798 | 1.9822 | 0.0476 | 0.769444337 | count | 1 |
| SLFN12 | 0.660912 | 0.248597 | 2.6586 | 0.0079 | 0.769460946 | count | 1 |
| IFIT2 | 0.5684142 | 0.2380202 | 2.3881 | 0.017 | 0.769917855 | count | 1 |
| HERPUD2 | 0.5789254 | 0.1725854 | 3.3544 | 0.000807 | 0.770161555 | count | 1 |
| HILPDA | 0.7150543 | 0.4024957 | 1.7766 | 0.0758 | 0.770280254 | count | 1 |
| FSTL3 | 0.8634571 | 0.3705821 | 2.33 | 0.0199 | 0.770500158 | count | 1 |
| AC245297.3 | 0.6018591 | 0.2574745 | 2.3375 | 0.0195 | 0.770515091 | count | 1 |
| KIAA1841 | 0.7333622 | 0.3795097 | 1.9324 | 0.0534 | 0.770754404 | count | 1 |
| KLHL18 | 0.6157753 | 0.2127281 | 2.8947 | 0.00383 | 0.770862785 | count | 1 |
| CARD8-AS1 | 0.6504253 | 0.2237527 | 2.9069 | 0.00368 | 0.7714872 | count | 1 |
| NCSTN | 0.6035938 | 0.1978064 | 3.0514 | 0.0023 | 0.771772069 | count | 1 |
| TIMM21 | 0.7415726 | 0.3061463 | 2.4223 | 0.0155 | 0.772309356 | count | 1 |
| CRTC2 | 0.6934568 | 0.2751174 | 2.5206 | 0.0118 | 0.772548102 | count | 1 |
| MAP4K2 | 0.9065336 | 0.3205496 | 2.8281 | 0.00472 | 0.77278448 | count | 1 |
| CMBL | 1.3842299 | 0.5810202 | 2.3824 | 0.0173 | 0.772795344 | count | 1 |
| TSEN2 | 1.3843884 | 0.6541268 | 2.1164 | 0.0344 | 0.772891374 | count | 1 |
| AL390957.1 | 1.3846785 | 0.7945203 | 1.7428 | 0.0815 | 0.773067169 | count | 1 |
| STS | 1.3846785 | 0.7993034 | 1.7324 | 0.0833 | 0.773067169 | count | 1 |
| FFAR3 | 0.5765784 | 0.2579754 | 2.235 | 0.0255 | 0.773469718 | count | 1 |
| FP700111.1 | 1.0745123 | 0.596072 | 1.8027 | 0.0716 | 0.773965573 | count | 1 |
| NECAP1 | 0.5949264 | 0.2030472 | 2.93 | 0.00342 | 0.774194856 | count | 1 |
| TTC7A | 0.6065022 | 0.2136073 | 2.8393 | 0.00456 | 0.774524286 | count | 1 |
| NR2F6 | 0.7244841 | 0.4198257 | 1.7257 | 0.0845 | 0.774536942 | count | 1 |
| ZNF776 | 1.7582702 | 0.8465213 | 2.0771 | 0.0379 | 0.774635589 | count | 1 |
| NISCH | 0.583872 | 0.1781861 | 3.2768 | 0.00106 | 0.774940051 | count | 1 |
| DCUN1D2 | 0.9937742 | 0.554485 | 1.7922 | 0.0732 | 0.775151313 | count | 1 |
| CEP44 | 0.7093657 | 0.2661369 | 2.6654 | 0.00774 | 0.775411324 | count | 1 |
| ERF | 0.6021911 | 0.1805999 | 3.3344 | 0.000868 | 0.775628636 | count | 1 |
| F13A1 | 0.5439255 | 0.0858858 | 6.3331 | 2.85E-10 | 0.776040906 | count | 6.86E-06 |
| PRELID2 | 0.7450446 | 0.4817896 | 1.5464 | 0.122 | 0.776070405 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|------------|
| MNAT1 | 0.6086641 | 0.2246875 | 2.7089 | 0.0068 | 0.776280609 | count | 1 |
| AC009113.1 | 1.0776733 | 0.7225228 | 1.4915 | 0.136 | 0.77642446 | count | 1 |
| ANKRD46 | 0.7988785 | 0.4074788 | 1.9605 | 0.05 | 0.77672795 | count | 1 |
| NAT14 | 0.9109997 | 0.5126349 | 1.7771 | 0.0757 | 0.776835715 | count | 1 |
| EEF1G | 1.5413892 | 0.6904155 | 2.2326 | 0.0257 | 0.777105692 | count | 1 |
| STAT5B | 0.6674321 | 0.3039615 | 2.1958 | 0.0282 | 0.777250789 | count | 1 |
| NOTCH2 | 0.5901929 | 0.1613243 | 3.6584 | 0.000259 | 0.777632614 | count | 1 |
| AC012651.1 | 3.050161 | 1.363085 | 2.2377 | 0.0253 | 0.778250909 | count | 1 |
| SDHAF3 | 0.5875165 | 0.1897198 | 3.0968 | 0.00198 | 0.778346604 | count | 1 |
| PPP1R3F | 1.2842954 | 0.5926122 | 2.1672 | 0.0303 | 0.778549635 | count | 1 |
| DDIAS | 1.2842954 | 0.6893337 | 1.8631 | 0.0626 | 0.778549635 | count | 1 |
| CCL4L2 | 0.5406231 | 0.1240281 | 4.3589 | 1.36E-05 | 0.779153994 | count | 0.32198 |
| CASP2 | 0.717838 | 0.3264457 | 2.199 | 0.028 | 0.779319485 | count | 1 |
| JAM2 | 1.2019794 | 0.6453633 | 1.8625 | 0.0627 | 0.779516108 | count | 1 |
| ZNF429 | 0.7349947 | 0.5513637 | 1.333 | 0.183 | 0.779529856 | count | 1 |
| GIGYF1 | 0.6179082 | 0.228328 | 2.7062 | 0.00685 | 0.780168687 | count | 1 |
| COG5 | 0.7357346 | 0.2721621 | 2.7033 | 0.00691 | 0.780344263 | count | 1 |
| AL592494.3 | 1.54749 | 0.8631647 | 1.7928 | 0.0731 | 0.780410241 | count | 1 |
| NAT8L | 1.54749 | 1.0627122 | 1.4562 | 0.145 | 0.780410241 | count | 1 |
| AC006033.2 | 1.54749 | 0.8248743 | 1.876 | 0.0608 | 0.780410241 | count | 1 |
| TAPBPL | 0.6522617 | 0.2047542 | 3.1856 | 0.00146 | 0.781397168 | count | 1 |
| SNRK | 0.6230513 | 0.1816008 | 3.4309 | 0.000612 | 0.781517784 | count | 1 |
| HOOK2 | 0.6450504 | 0.250642 | 2.5736 | 0.0101 | 0.781677983 | count | 1 |
| MAP2K5 | 0.7199673 | 0.5182405 | 1.3893 | 0.165 | 0.781711915 | count | 1 |
| LYRM1 | 0.6316342 | 0.2343809 | 2.6949 | 0.00709 | 0.781861531 | count | 1 |
| S100Z | 0.6871628 | 0.2501372 | 2.7471 | 0.00606 | 0.782615436 | count | 1 |
| NSUN7 | 1.1402658 | 0.4841304 | 2.3553 | 0.0186 | 0.782969657 | count | 1 |
| COX16 | 0.6462805 | 0.3455396 | 1.8704 | 0.0616 | 0.783200187 | count | 1 |
| XPO7 | 0.7027759 | 0.2551262 | 2.7546 | 0.00592 | 0.78326048 | count | 1 |
| CCDC121 | 1.0868545 | 0.5225215 | 2.08 | 0.0376 | 0.783567135 | count | 1 |
| MAU2 | 0.7124019 | 0.3055261 | 2.3317 | 0.0198 | 0.784229586 | count | 1 |
| ITPRIP | 0.5957785 | 0.1861923 | 3.1998 | 0.00139 | 0.784492814 | count | 1 |
| AL117332.1 | 1.1425216 | 0.5831261 | 1.9593 | 0.0502 | 0.784646081 | count | 1 |
| FAM110B | 0.9197049 | 0.3527236 | 2.6074 | 0.00918 | 0.784734677 | count | 1 |
| CRACR2B | 1.005545 | 0.420391 | 2.3919 | 0.0168 | 0.785005569 | count | 1 |
| SARNP | 0.6638552 | 0.3274524 | 2.0273 | 0.0427 | 0.78502847 | count | 1 |
| IL1R2 | 0.5971656 | 0.2046285 | 2.9183 | 0.00355 | 0.785150415 | count | 1 |
| NCF2 | 0.5524216 | 0.0590833 | 9.3499 | 1.91E-20 | 0.785402644 | count | 4.63E-16 |
| BIN2 | 0.5679949 | 0.1050053 | 5.4092 | 6.94E-08 | 0.786011439 | count | 0.00165977 |
| EAF1-AS1 | 1.044862 | 0.5539567 | 1.8862 | 0.0594 | 0.786013928 | count | 1 |
| STK17B | 0.552449 | 0.0633068 | 8.7265 | 4.76E-18 | 0.786469725 | count | 1.15E-13 |
| MOB1B | 0.6219452 | 0.1988655 | 3.1275 | 0.00178 | 0.786585666 | count | 1 |
| NPHP3 | 0.9750481 | 0.3988011 | 2.4449 | 0.0146 | 0.786817203 | count | 1 |
| INPPL1 | 0.6732087 | 0.2070678 | 3.2512 | 0.00116 | 0.787362553 | count | 1 |
| ACACB | 1.5605415 | 0.6413932 | 2.433 | 0.015 | 0.78747222 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-----------|
| DTX2 | 0.6913286 | 0.2507831 | 2.7567 | 0.00588 | 0.787497451 | count | 1 |
| AC015912.3 | 0.6311555 | 0.384579 | 1.6412 | 0.101 | 0.787534572 | count | 1 |
| RAB27A | 0.5861524 | 0.1901791 | 3.0821 | 0.00208 | 0.787864789 | count | 1 |
| CMTM2 | 1.41146 | 0.5649639 | 2.4983 | 0.0125 | 0.789281092 | count | 1 |
| SPECC1 | 0.5823601 | 0.1506435 | 3.8658 | 0.000114 | 0.789499816 | count | 1 |
| MTERF3 | 0.7269727 | 0.3045158 | 2.3873 | 0.017 | 0.789584696 | count | 1 |
| NAALADL2 | 1.7915484 | 0.8875443 | 2.0185 | 0.0436 | 0.789948467 | count | 1 |
| AFAP1 | 1.7915484 | 0.8148933 | 2.1985 | 0.028 | 0.789948467 | count | 1 |
| POLR3C | 0.6937583 | 0.2511074 | 2.7628 | 0.00577 | 0.790345263 | count | 1 |
| USP15 | 0.5579913 | 0.0732172 | 7.621 | 3.57E-14 | 0.791675813 | count | 8.63E-10 |
| HDAC7 | 0.7927031 | 0.2957959 | 2.6799 | 0.00741 | 0.791733273 | count | 1 |
| ACPP | 0.852861 | 0.272086 | 3.1345 | 0.00174 | 0.791910508 | count | 1 |
| RETN | 0.5946818 | 0.1375955 | 4.322 | 1.61E-05 | 0.792682801 | count | 0.3809582 |
| ZNF143 | 0.6322103 | 0.1958111 | 3.2287 | 0.00126 | 0.793201688 | count | 1 |
| POMT1 | 1.0539836 | 0.461142 | 2.2856 | 0.0224 | 0.793396444 | count | 1 |
| AC068473.5 | 2.1872353 | 1.0138218 | 2.1574 | 0.0311 | 0.793432357 | count | 1 |
| HS6ST1 | 0.7611369 | 0.3274201 | 2.3246 | 0.0202 | 0.793511051 | count | 1 |
| PRRT3 | 1.2236579 | 0.6661091 | 1.837 | 0.0663 | 0.794769924 | count | 1 |
| POFUT1 | 1.223747 | 0.5020623 | 2.4374 | 0.0149 | 0.794832647 | count | 1 |
| SASS6 | 0.6825142 | 0.3316753 | 2.0578 | 0.0397 | 0.795278078 | count | 1 |
| QRICH1 | 0.6799267 | 0.2638154 | 2.5773 | 0.01 | 0.795421908 | count | 1 |
| LEPR | 1.1570387 | 0.5956139 | 1.9426 | 0.0522 | 0.795434738 | count | 1 |
| RHPN1 | 1.1570387 | 0.5997601 | 1.9292 | 0.0538 | 0.795434738 | count | 1 |
| C2CD2 | 0.9094711 | 0.4592426 | 1.9804 | 0.0478 | 0.795463258 | count | 1 |
| CCDC22 | 0.6374728 | 0.1947816 | 3.2728 | 0.00108 | 0.795556187 | count | 1 |
| ADD3 | 0.6246286 | 0.2018323 | 3.0948 | 0.00199 | 0.795855328 | count | 1 |
| GBF1 | 0.6729252 | 0.2989646 | 2.2509 | 0.0245 | 0.796015589 | count | 1 |
| ZNF736 | 0.7636238 | 0.4465574 | 1.71 | 0.0874 | 0.796207555 | count | 1 |
| MRFAP1L1 | 0.6988932 | 0.3816618 | 1.8312 | 0.0672 | 0.79636479 | count | 1 |
| CASP8 | 0.5971341 | 0.1680956 | 3.5523 | 0.000389 | 0.796858906 | count | 1 |
| CYP2R1 | 0.807733 | 0.4111966 | 1.9643 | 0.0496 | 0.796913686 | count | 1 |
| AL121603.2 | 0.7644086 | 0.372445 | 2.0524 | 0.0402 | 0.797058556 | count | 1 |
| ANKH | 0.6035551 | 0.3218922 | 1.875 | 0.0609 | 0.798231797 | count | 1 |
| SGMS2 | 0.6249472 | 0.212897 | 2.9354 | 0.00336 | 0.798429719 | count | 1 |
| CBFA2T3 | 0.8454148 | 0.5143712 | 1.6436 | 0.1 | 0.798683546 | count | 1 |
| IVD | 0.630552 | 0.2139813 | 2.9468 | 0.00324 | 0.798870703 | count | 1 |
| IL11RA | 1.4285226 | 0.6533992 | 2.1863 | 0.0289 | 0.799594646 | count | 1 |
| GRAP | 1.1627811 | 0.564237 | 2.0608 | 0.0394 | 0.799702292 | count | 1 |
| KDM3B | 0.6294795 | 0.2406219 | 2.6161 | 0.00895 | 0.799859542 | count | 1 |
| TUSC1 | 0.7475433 | 0.3046499 | 2.4538 | 0.0142 | 0.800110302 | count | 1 |
| CYP1B1 | 0.5789458 | 0.1766086 | 3.2781 | 0.00106 | 0.80035838 | count | 1 |
| SF3A2 | 0.7836008 | 0.3234272 | 2.4228 | 0.0155 | 0.801021653 | count | 1 |
| SIGLEC1 | 0.6056956 | 0.1837383 | 3.2965 | 0.000993 | 0.801092342 | count | 1 |
| C9orf66 | 0.7068841 | 0.303974 | 2.3255 | 0.0201 | 0.801557561 | count | 1 |
| BORCS5 | 0.631959 | 0.2071914 | 3.0501 | 0.00231 | 0.801882867 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|---------|----------|-------------|-------|------------|
| Z82244.2 | 0.8496198 | 0.4471609 | 1.9 | 0.0575 | 0.802862719 | count | 1 |
| MYADM | 0.5644314 | 0.0748684 | 7.539 | 6.63E-14 | 0.803517251 | count | 1.60E-09 |
| ZNF322 | 0.6414622 | 0.2423498 | 2.6468 | 0.00818 | 0.803580399 | count | 1 |
| OSBPL3 | 0.7346707 | 0.4141916 | 1.7737 | 0.0762 | 0.804029772 | count | 1 |
| WARS | 0.6043102 | 0.125799 | 4.8038 | 1.65E-06 | 0.804265277 | count | 0.0392634 |
| ZNF529-AS1 | 1.1135436 | 0.5619489 | 1.9816 | 0.0476 | 0.804335754 | count | 1 |
| EVA1C | 0.9665992 | 0.5747415 | 1.6818 | 0.0927 | 0.80441049 | count | 1 |
| AC009414.2 | 1.823263 | 1.2788352 | 1.4257 | 0.154 | 0.80444234 | count | 1 |
| MST1 | 1.823263 | 1.2788352 | 1.4257 | 0.154 | 0.80444234 | count | 1 |
| LDOC1 | 1.823263 | 1.2788352 | 1.4257 | 0.154 | 0.80444234 | count | 1 |
| HYKK | 1.823263 | 0.8288207 | 2.1998 | 0.0279 | 0.80444234 | count | 1 |
| AC011447.3 | 1.823263 | 0.8288207 | 2.1998 | 0.0279 | 0.80444234 | count | 1 |
| ADM2 | 1.823263 | 1.22194 | 1.4921 | 0.136 | 0.80444234 | count | 1 |
| ATP2B4 | 0.6475145 | 0.2116435 | 3.0595 | 0.00224 | 0.805178844 | count | 1 |
| ZBTB45 | 1.0298657 | 0.4911396 | 2.0969 | 0.0361 | 0.805377567 | count | 1 |
| MAPK14 | 0.624477 | 0.1700512 | 3.6723 | 0.000246 | 0.805643654 | count | 1 |
| AP1S2 | 0.5629992 | 0.0570082 | 9.8758 | 1.39E-22 | 0.80573661 | count | 3.37E-18 |
| CLDN7 | 0.7735868 | 0.3270741 | 2.3652 | 0.0181 | 0.807013395 | count | 1 |
| PARP8 | 0.6355601 | 0.1970996 | 3.2246 | 0.00128 | 0.807705274 | count | 1 |
| EVI2B | 0.5667155 | 0.0526714 | 10.7595 | 2.06E-26 | 0.80771311 | count | 5.00E-22 |
| SSFA2 | 0.5979752 | 0.1339764 | 4.4633 | 8.44E-06 | 0.808198639 | count | 0.20013772 |
| SUPV3L1 | 0.790428 | 0.3002786 | 2.6323 | 0.00853 | 0.808297773 | count | 1 |
| MRC2 | 1.175007 | 0.5912891 | 1.9872 | 0.047 | 0.808787536 | count | 1 |
| SDHAF4 | 0.7293729 | 0.3729299 | 1.9558 | 0.0506 | 0.808808137 | count | 1 |
| MAN1A1 | 0.6001241 | 0.1334651 | 4.4965 | 7.23E-06 | 0.808881283 | count | 0.17148114 |
| FUZ | 0.709608 | 0.2924377 | 2.4265 | 0.0153 | 0.808929624 | count | 1 |
| C1orf32 | 0.6560351 | 0.1993491 | 3.2909 | 0.00101 | 0.809132225 | count | 1 |
| WRN | 0.8308513 | 0.35276 | 2.3553 | 0.0186 | 0.809349986 | count | 1 |
| AC092053.2 | 1.035164 | 0.6015597 | 1.7208 | 0.0854 | 0.809817223 | count | 1 |
| ZHX3 | 1.445641 | 0.7869428 | 1.837 | 0.0663 | 0.809927596 | count | 1 |
| AP002387.2 | 0.7626345 | 0.3387682 | 2.2512 | 0.0245 | 0.809972745 | count | 1 |
| CYBRD1 | 0.6517426 | 0.2317261 | 2.8126 | 0.00495 | 0.810531726 | count | 1 |
| MB21D2 | 0.7771673 | 0.2729491 | 2.8473 | 0.00445 | 0.810898002 | count | 1 |
| AC083843.3 | 1.4477054 | 0.533191 | 2.7152 | 0.00667 | 0.811172624 | count | 1 |
| TMEM99 | 1.4477054 | 0.6164079 | 2.3486 | 0.0189 | 0.811172624 | count | 1 |
| PRMT9 | 0.6044499 | 0.1926171 | 3.1381 | 0.00172 | 0.811190819 | count | 1 |
| SLC39A9 | 0.8584827 | 0.3866761 | 2.2202 | 0.0265 | 0.811673855 | count | 1 |
| SLC2A6 | 0.7275682 | 0.3158251 | 2.3037 | 0.0213 | 0.811781132 | count | 1 |
| LEMD2 | 0.684311 | 0.280523 | 2.4394 | 0.0148 | 0.812661147 | count | 1 |
| ZBTB37 | 0.7531468 | 0.3991434 | 1.8869 | 0.0593 | 0.812822827 | count | 1 |
| PLCL2 | 0.6523022 | 0.224284 | 2.9084 | 0.00367 | 0.812835633 | count | 1 |
| DRG1 | 0.648932 | 0.2115175 | 3.068 | 0.00218 | 0.813099397 | count | 1 |
| RILPL2 | 0.5693921 | 0.0567101 | 10.0404 | 2.83E-23 | 0.813130393 | count | 6.86E-19 |
| U2AF2 | 0.6479724 | 0.238334 | 2.7188 | 0.0066 | 0.813316307 | count | 1 |
| GATB | 0.813762 | 0.3860205 | 2.1081 | 0.0351 | 0.813729376 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|---------|----------|-------------|-------|------------|
| ZKSCAN8 | 0.9295573 | 0.5443652 | 1.7076 | 0.0878 | 0.814106263 | count | 1 |
| PRH1 | 0.7665565 | 0.3768713 | 2.034 | 0.0421 | 0.814295611 | count | 1 |
| RNF166 | 0.6004598 | 0.1303151 | 4.6078 | 4.28E-06 | 0.81450024 | count | 0.10163716 |
| KLRF1 | 0.8147675 | 0.3716036 | 2.1926 | 0.0284 | 0.814780148 | count | 1 |
| IGFBP2 | 0.7349569 | 0.5408986 | 1.3588 | 0.174 | 0.815201308 | count | 1 |
| RNASE2 | 0.6126857 | 0.1514814 | 4.0446 | 5.40E-05 | 0.816454934 | count | 1 |
| TRMT11 | 0.8069484 | 0.3459036 | 2.3329 | 0.0197 | 0.816530949 | count | 1 |
| PEAK1 | 0.7061994 | 0.3402117 | 2.0758 | 0.038 | 0.816544915 | count | 1 |
| IGF2BP2 | 0.6718024 | 0.516245 | 1.3013 | 0.193 | 0.816992311 | count | 1 |
| ZSCAN16 | 0.8383468 | 0.3808882 | 2.201 | 0.0278 | 0.817004788 | count | 1 |
| PRMT5 | 0.7832002 | 0.3490477 | 2.2438 | 0.0249 | 0.817444691 | count | 1 |
| CFD | 0.569217 | 0.0544269 | 10.4584 | 4.48E-25 | 0.817526857 | count | 1.09E-20 |
| LIN7A | 0.9134327 | 0.3336176 | 2.738 | 0.00623 | 0.817775301 | count | 1 |
| PXDC1 | 0.6311288 | 0.1732372 | 3.6431 | 0.000275 | 0.817857619 | count | 1 |
| GRHL1 | 1.6172993 | 0.8336982 | 1.9399 | 0.0525 | 0.818042233 | count | 1 |
| ZNF175 | 1.8532947 | 0.7480513 | 2.4775 | 0.0133 | 0.818073263 | count | 1 |
| QPRT | 0.7999716 | 0.3194886 | 2.5039 | 0.0123 | 0.818472664 | count | 1 |
| CYTL1 | 0.6996147 | 0.2929386 | 2.3883 | 0.017 | 0.819052872 | count | 1 |
| FBXO3 | 0.7587804 | 0.3087279 | 2.4578 | 0.014 | 0.819120745 | count | 1 |
| NUP214 | 0.5791332 | 0.082031 | 7.0599 | 2.16E-12 | 0.81979852 | count | 5.21E-08 |
| AL442128.2 | 0.8012269 | 0.3677809 | 2.1785 | 0.0295 | 0.819811308 | count | 1 |
| FAM206A | 0.7784874 | 0.3326489 | 2.3403 | 0.0193 | 0.820079579 | count | 1 |
| DET1 | 0.9844716 | 0.6603081 | 1.4909 | 0.136 | 0.820266145 | count | 1 |
| HIST4H4 | 1.6226872 | 0.6348192 | 2.5561 | 0.0106 | 0.82093143 | count | 1 |
| AC022182.2 | 1.1919308 | 0.5844595 | 2.0394 | 0.0415 | 0.821362885 | count | 1 |
| SESTD1 | 0.6427127 | 0.1718363 | 3.7403 | 0.000188 | 0.821465332 | count | 1 |
| LUM | 0.9180473 | 0.7685478 | 1.1945 | 0.232 | 0.822145574 | count | 1 |
| ZNF182 | 0.9382814 | 0.4348693 | 2.1576 | 0.0311 | 0.82220798 | count | 1 |
| PPTC7 | 0.6436147 | 0.2498839 | 2.5757 | 0.0101 | 0.822635178 | count | 1 |
| TBC1D8 | 0.8131222 | 0.337538 | 2.409 | 0.0161 | 0.823051373 | count | 1 |
| KLF9 | 0.635888 | 0.1343874 | 4.7318 | 2.35E-06 | 0.823245083 | count | 0.05587595 |
| RAD51D | 0.7965524 | 0.4140209 | 1.9239 | 0.0545 | 0.823609071 | count | 1 |
| SENP7 | 0.6652081 | 0.2133332 | 3.1182 | 0.00184 | 0.824211979 | count | 1 |
| ARHGAP5 | 0.6431722 | 0.1750665 | 3.6739 | 0.000244 | 0.825223497 | count | 1 |
| MTURN | 0.666282 | 0.2283938 | 2.9173 | 0.00356 | 0.825567311 | count | 1 |
| PGBD1 | 1.1410505 | 0.5789372 | 1.9709 | 0.0488 | 0.8257449 | count | 1 |
| AC145124.1 | 1.1410505 | 0.582848 | 1.9577 | 0.0504 | 0.8257449 | count | 1 |
| AC108718.1 | 1.356171 | 0.5795324 | 2.3401 | 0.0194 | 0.825810518 | count | 1 |
| BBS9 | 1.1980447 | 0.5178489 | 2.3135 | 0.0208 | 0.825905121 | count | 1 |
| PGD | 0.6102642 | 0.1295411 | 4.711 | 2.60E-06 | 0.827332591 | count | 0.0618098 |
| PECR | 0.8005502 | 0.3794989 | 2.1095 | 0.035 | 0.827912377 | count | 1 |
| TRIM56 | 0.6572129 | 0.3974579 | 1.6535 | 0.0983 | 0.827928886 | count | 1 |
| USP25 | 0.6485672 | 0.1966363 | 3.2983 | 0.000987 | 0.827952711 | count | 1 |
| SUSD3 | 0.8006872 | 0.2490438 | 3.215 | 0.00132 | 0.828059872 | count | 1 |
| EFCAB2 | 0.751653 | 0.3024433 | 2.4853 | 0.013 | 0.828909761 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|---------|----------|-------------|-------|-------------|
| S100A4 | 0.575116 | 0.0383341 | 15.0027 | 9.59E-49 | 0.828997979 | count | 2.33E-44 |
| PHYH | 0.614089 | 0.1741518 | 3.5262 | 0.000429 | 0.829191266 | count | 1 |
| OTUD5 | 0.6628461 | 0.2573664 | 2.5755 | 0.0101 | 0.829331115 | count | 1 |
| YTHDC2 | 0.6205578 | 0.1896141 | 3.2727 | 0.00108 | 0.829731352 | count | 1 |
| AC068338.2 | 1.2735793 | 0.6255164 | 2.036 | 0.0419 | 0.829868597 | count | 1 |
| G6PD | 0.6197139 | 0.1481886 | 4.1819 | 2.99E-05 | 0.830266188 | count | 0.7059091 |
| AC099850.1 | 1.6420872 | 0.8613206 | 1.9065 | 0.0567 | 0.831314887 | count | 1 |
| LRG1 | 0.6228455 | 0.2188392 | 2.8461 | 0.00446 | 0.831944299 | count | 1 |
| ADAM19 | 0.8216487 | 0.3767027 | 2.1812 | 0.0293 | 0.832059391 | count | 1 |
| GLYCTK | 0.7897103 | 0.3252071 | 2.4283 | 0.0152 | 0.832362538 | count | 1 |
| FOPNL | 0.6703821 | 0.2653888 | 2.526 | 0.0116 | 0.832461323 | count | 1 |
| VRK2 | 0.6410296 | 0.1701267 | 3.768 | 0.000168 | 0.832542477 | count | 1 |
| AC074032.1 | 0.8221474 | 0.3786038 | 2.1715 | 0.03 | 0.832586349 | count | 1 |
| ANKRD27 | 1.0285096 | 0.4292602 | 2.396 | 0.0166 | 0.832988542 | count | 1 |
| DUSP1 | 0.5787847 | 0.0414216 | 13.973 | 9.50E-43 | 0.833270702 | count | 2.31E-38 |
| TEFM | 0.699392 | 0.2666664 | 2.6227 | 0.00878 | 0.833814497 | count | 1 |
| CASP10 | 0.7120129 | 0.2248087 | 3.1672 | 0.00156 | 0.833942758 | count | 1 |
| FLVCR1 | 0.7921529 | 0.3765341 | 2.1038 | 0.0355 | 0.835036588 | count | 1 |
| GFRA2 | 0.8686696 | 0.2255791 | 3.8508 | 0.000121 | 0.835313577 | count | 1 |
| MGAT5 | 0.6778015 | 0.2156944 | 3.1424 | 0.0017 | 0.836499486 | count | 1 |
| TFCP2 | 0.8175699 | 0.3436735 | 2.3789 | 0.0174 | 0.837245906 | count | 1 |
| GRK2 | 0.6102367 | 0.1242314 | 4.9121 | 9.60E-07 | 0.837286049 | count | 0.02286912 |
| CTH | 1.2136261 | 0.472226 | 2.57 | 0.0102 | 0.837478752 | count | 1 |
| GALNT10 | 0.8269439 | 0.3683462 | 2.245 | 0.0249 | 0.837655214 | count | 1 |
| BLNK | 0.661686 | 0.1985425 | 3.3327 | 0.000873 | 0.837672318 | count | 1 |
| AGTPBP1 | 0.6233013 | 0.1479597 | 4.2126 | 2.62E-05 | 0.837861277 | count | 0.6188178 |
| EMB | 0.6083188 | 0.108436 | 5.6099 | 2.25E-08 | 0.838097765 | count | 0.000539123 |
| NXPE3 | 0.8590748 | 0.3072876 | 2.7957 | 0.00522 | 0.838185849 | count | 1 |
| RETSAT | 1.1101534 | 0.4317859 | 2.5711 | 0.0102 | 0.838881208 | count | 1 |
| NDE1 | 0.6687123 | 0.2063091 | 3.2413 | 0.00121 | 0.839796582 | count | 1 |
| AL033528.2 | 1.9025903 | 0.7932282 | 2.3985 | 0.0165 | 0.840236219 | count | 1 |
| PLCB2 | 0.6862184 | 0.1790584 | 3.8324 | 0.00013 | 0.841239915 | count | 1 |
| CTNS | 0.745403 | 0.2992654 | 2.4908 | 0.0128 | 0.842001156 | count | 1 |
| ANTXR2 | 0.6491059 | 0.1890031 | 3.4344 | 0.000604 | 0.842321559 | count | 1 |
| GLTPD2 | 1.291343 | 0.626451 | 2.0614 | 0.0394 | 0.84234377 | count | 1 |
| RIC3 | 1.3824127 | 0.8009553 | 1.726 | 0.0845 | 0.843018731 | count | 1 |
| ADGRE3 | 1.3826652 | 0.5641347 | 2.4509 | 0.0143 | 0.843184134 | count | 1 |
| VCL | 0.6751031 | 0.2352342 | 2.8699 | 0.00414 | 0.843368978 | count | 1 |
| ZSWIM6 | 0.6236289 | 0.1462471 | 4.2642 | 2.08E-05 | 0.843466034 | count | 0.4918576 |
| RPRD1A | 0.7865904 | 0.4194008 | 1.8755 | 0.0608 | 0.843474622 | count | 1 |
| WDR37 | 0.7600674 | 0.3063285 | 2.4812 | 0.0132 | 0.843968127 | count | 1 |
| IFT80 | 2.3387476 | 0.8593187 | 2.7216 | 0.00654 | 0.844176327 | count | 1 |
| S100P | 1.0770979 | 0.334014 | 3.2247 | 0.00128 | 0.844971308 | count | 1 |
| COCH | 3.5107143 | 1.515855 | 2.316 | 0.0206 | 0.845690671 | count | 1 |
| ZSCAN25 | 1.043765 | 0.5424651 | 1.9241 | 0.0545 | 0.846174251 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| ALDH9A1 | 0.6386149 | 0.1666822 | 3.8313 | 0.000131 | 0.846217237 | count | 1 |
| GNPAT | 0.7349111 | 0.2552892 | 2.8787 | 0.00403 | 0.846797118 | count | 1 |
| TBC1D31 | 2.3470186 | 1.0545273 | 2.2257 | 0.0261 | 0.846858153 | count | 1 |
| SMARCC2 | 0.6300167 | 0.1518281 | 4.1495 | 3.44E-05 | 0.846966059 | count | 0.811668 |
| AL021368.2 | 1.2979629 | 0.5603506 | 2.3163 | 0.0206 | 0.84699036 | count | 1 |
| TUBA4A | 0.6075405 | 0.1298547 | 4.6786 | 3.05E-06 | 0.847080663 | count | 0.07248935 |
| CDKN2B | 0.8818973 | 0.4749324 | 1.8569 | 0.0634 | 0.84866577 | count | 1 |
| FPR2 | 0.6991695 | 0.1744903 | 4.0069 | 6.33E-05 | 0.848707321 | count | 1 |
| GBP3 | 0.7094794 | 0.2644293 | 2.6831 | 0.00734 | 0.848884294 | count | 1 |
| KIF9 | 0.8379429 | 0.3456881 | 2.424 | 0.0154 | 0.849282268 | count | 1 |
| RAB11FIP4 | 1.0474737 | 0.4427665 | 2.3657 | 0.0181 | 0.849380288 | count | 1 |
| LINC00662 | 0.7058704 | 0.3111362 | 2.2687 | 0.0234 | 0.849713508 | count | 1 |
| LILRA2 | 0.6101592 | 0.104641 | 5.831 | 6.24E-09 | 0.849928036 | count | 0.000149754 |
| AC083843.2 | 1.9243683 | 0.8107598 | 2.3735 | 0.0177 | 0.849939601 | count | 1 |
| FXD2 | 1.9243683 | 0.8488598 | 2.267 | 0.0235 | 0.849939601 | count | 1 |
| PPFIA3 | 1.9243683 | 0.8488598 | 2.267 | 0.0235 | 0.849939601 | count | 1 |
| CALCOCO2 | 0.6059852 | 0.0993431 | 6.0999 | 1.23E-09 | 0.850173489 | count | 2.96E-05 |
| HSBP1L1 | 0.6478628 | 0.2301015 | 2.8156 | 0.00491 | 0.850586944 | count | 1 |
| EOGT | 1.3941511 | 0.682142 | 2.0438 | 0.0411 | 0.850705972 | count | 1 |
| AL390728.6 | 0.8714796 | 0.3960128 | 2.2006 | 0.0279 | 0.850869899 | count | 1 |
| RCOR3 | 0.6852151 | 0.2171825 | 3.155 | 0.00162 | 0.851221827 | count | 1 |
| RNF40 | 0.7583881 | 0.3269116 | 2.3199 | 0.0204 | 0.852295202 | count | 1 |
| SWSAP1 | 0.7402419 | 0.3353715 | 2.2072 | 0.0274 | 0.853109867 | count | 1 |
| KIAA0355 | 0.8087585 | 0.3738352 | 2.1634 | 0.0306 | 0.853222395 | count | 1 |
| TTC14 | 0.6321327 | 0.1694469 | 3.7306 | 0.000195 | 0.853417509 | count | 1 |
| METTL13 | 0.779741 | 0.4275764 | 1.8236 | 0.0683 | 0.85507765 | count | 1 |
| SETD1A | 0.779741 | 0.335459 | 2.3244 | 0.0202 | 0.85507765 | count | 1 |
| SESN3 | 0.6884737 | 0.1547553 | 4.4488 | 9.02E-06 | 0.855344234 | count | 0.21384616 |
| DGAT1 | 0.653352 | 0.1924093 | 3.3956 | 0.000696 | 0.855766409 | count | 1 |
| EEF1AKMT1 | 0.8041693 | 0.3333516 | 2.4124 | 0.0159 | 0.855788076 | count | 1 |
| SEMA4D | 0.6720569 | 0.2130114 | 3.155 | 0.00162 | 0.856037939 | count | 1 |
| NEIL2 | 0.9988462 | 0.4164468 | 2.3985 | 0.0165 | 0.856662778 | count | 1 |
| STRN4 | 0.7762065 | 0.2861054 | 2.713 | 0.00671 | 0.856895111 | count | 1 |
| AL021453.1 | 0.9991144 | 0.4528922 | 2.2061 | 0.0275 | 0.856906808 | count | 1 |
| AC069224.1 | 1.6912183 | 0.6255744 | 2.7035 | 0.00691 | 0.857464692 | count | 1 |
| AL390729.1 | 1.525741 | 0.7300826 | 2.0898 | 0.0367 | 0.858050701 | count | 1 |
| SVIL | 0.7354315 | 0.2274036 | 3.234 | 0.00124 | 0.858609403 | count | 1 |
| AC106739.2 | 0.8793418 | 0.3611494 | 2.4348 | 0.015 | 0.85891196 | count | 1 |
| MPHOSPH9 | 0.8472224 | 0.3268625 | 2.592 | 0.0096 | 0.859095284 | count | 1 |
| SLPI | 1.9465945 | 0.6257213 | 3.111 | 0.00189 | 0.859784899 | count | 1 |
| TLR3 | 1.1359836 | 0.4910731 | 2.3133 | 0.0208 | 0.859802717 | count | 1 |
| AKAP17A | 0.6376138 | 0.1463207 | 4.3576 | 1.37E-05 | 0.859838735 | count | 0.3243201 |
| TFEB | 0.7032106 | 0.1997032 | 3.5213 | 0.000437 | 0.860388781 | count | 1 |
| LRRRC8D | 0.7697784 | 0.3152827 | 2.4415 | 0.0147 | 0.860404189 | count | 1 |
| KAT7 | 0.7086699 | 0.2043637 | 3.4677 | 0.000534 | 0.860485551 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-----------|
| AC097534.2 | 0.8489756 | 0.3167523 | 2.6803 | 0.00741 | 0.860949644 | count | 1 |
| PCYOX1 | 0.7293814 | 0.263591 | 2.7671 | 0.0057 | 0.86136717 | count | 1 |
| RPRD1B | 0.7712669 | 0.2663392 | 2.8958 | 0.00382 | 0.86212017 | count | 1 |
| HIST2H3D | 2.395218 | 0.9655569 | 2.4807 | 0.0132 | 0.862297952 | count | 1 |
| LINC01888 | 2.395218 | 0.8986123 | 2.6655 | 0.00774 | 0.862297952 | count | 1 |
| MALL | 2.395218 | 0.8986123 | 2.6655 | 0.00774 | 0.862297952 | count | 1 |
| AC053503.5 | 2.395218 | 0.8986123 | 2.6655 | 0.00774 | 0.862297952 | count | 1 |
| ACAD11 | 2.395218 | 0.8986123 | 2.6655 | 0.00774 | 0.862297952 | count | 1 |
| LINC00472 | 2.395218 | 0.8986123 | 2.6655 | 0.00774 | 0.862297952 | count | 1 |
| LINC00271 | 2.395218 | 0.8986123 | 2.6655 | 0.00774 | 0.862297952 | count | 1 |
| AL355312.2 | 2.395218 | 0.9655569 | 2.4807 | 0.0132 | 0.862297952 | count | 1 |
| GPC3 | 2.395218 | 0.9655569 | 2.4807 | 0.0132 | 0.862297952 | count | 1 |
| AP001372.3 | 2.395218 | 0.8986123 | 2.6655 | 0.00774 | 0.862297952 | count | 1 |
| AL391684.1 | 2.395218 | 0.9655569 | 2.4807 | 0.0132 | 0.862297952 | count | 1 |
| C10orf91 | 2.395218 | 0.9655569 | 2.4807 | 0.0132 | 0.862297952 | count | 1 |
| PEX12 | 2.395218 | 0.9655569 | 2.4807 | 0.0132 | 0.862297952 | count | 1 |
| AC004528.2 | 2.395218 | 0.9655569 | 2.4807 | 0.0132 | 0.862297952 | count | 1 |
| GCH1 | 0.7141147 | 0.1793007 | 3.9828 | 7.01E-05 | 0.862391995 | count | 1 |
| PFAS | 1.098852 | 0.5297981 | 2.0741 | 0.0382 | 0.863214113 | count | 1 |
| AC015712.2 | 1.414389 | 0.6917644 | 2.0446 | 0.041 | 0.863943222 | count | 1 |
| SIK1B | 1.414389 | 0.5595335 | 2.5278 | 0.0115 | 0.863943222 | count | 1 |
| PPM1F | 0.6831793 | 0.3037553 | 2.2491 | 0.0246 | 0.863976859 | count | 1 |
| CCDC24 | 1.7038352 | 0.8657374 | 1.9681 | 0.0492 | 0.864143907 | count | 1 |
| GHRLOS | 1.7038352 | 1.2578695 | 1.3545 | 0.176 | 0.864143907 | count | 1 |
| ARMCX4 | 1.7055723 | 0.5792966 | 2.9442 | 0.00327 | 0.86506229 | count | 1 |
| LENG8 | 0.7012172 | 0.2404818 | 2.9159 | 0.00358 | 0.865959039 | count | 1 |
| C11orf96 | 0.8994743 | 0.4453055 | 2.0199 | 0.0435 | 0.866417566 | count | 1 |
| CALCRL | 0.9649567 | 0.3518811 | 2.7423 | 0.00615 | 0.866608732 | count | 1 |
| ARHGAP6 | 0.6846573 | 0.2062786 | 3.3191 | 0.000916 | 0.867225063 | count | 1 |
| FAM222B | 1.3271965 | 0.5576893 | 2.3798 | 0.0174 | 0.867491563 | count | 1 |
| DOPEY2 | 0.7407287 | 0.2790011 | 2.6549 | 0.00798 | 0.868453135 | count | 1 |
| XRCC1 | 0.7470793 | 0.2419773 | 3.0874 | 0.00204 | 0.868913994 | count | 1 |
| FASTKD3 | 0.9314877 | 0.3808158 | 2.446 | 0.0145 | 0.868984319 | count | 1 |
| FGFBP3 | 0.9676435 | 0.472563 | 2.0476 | 0.0407 | 0.86915717 | count | 1 |
| HFE | 0.9321351 | 0.3579576 | 2.604 | 0.00927 | 0.869619799 | count | 1 |
| VIM-AS1 | 0.6872548 | 0.2462655 | 2.7907 | 0.0053 | 0.870567741 | count | 1 |
| NCOA5 | 1.1493872 | 0.5067941 | 2.268 | 0.0234 | 0.870658073 | count | 1 |
| AARS2 | 1.547166 | 0.7106814 | 2.177 | 0.0296 | 0.870849121 | count | 1 |
| CCDC88B | 0.7299119 | 0.2421336 | 3.0145 | 0.0026 | 0.871069022 | count | 1 |
| ZXDC | 0.7888972 | 0.2836812 | 2.7809 | 0.00546 | 0.871369069 | count | 1 |
| ETAA1 | 0.9045741 | 0.5966395 | 1.5161 | 0.13 | 0.871569909 | count | 1 |
| NAB2 | 0.7215589 | 0.2719729 | 2.6531 | 0.00803 | 0.871579197 | count | 1 |
| TCP11L2 | 0.7411959 | 0.4073504 | 1.8196 | 0.0689 | 0.872396345 | count | 1 |
| SGMS1 | 0.6497051 | 0.156522 | 4.1509 | 3.42E-05 | 0.872474255 | count | 0.8069832 |
| AL627171.1 | 0.8598752 | 0.3487725 | 2.4654 | 0.0138 | 0.872480572 | count | 1 |

| | | | | | | | |
|-----------|-----------|-----------|--------|----------|-------------|-------|------------|
| PLBD1 | 0.6173109 | 0.0744762 | 8.2887 | 1.86E-16 | 0.873363925 | count | 4.50E-12 |
| SIDT2 | 0.7482779 | 0.2118378 | 3.5323 | 0.00042 | 0.874000768 | count | 1 |
| EXTL2 | 0.9540292 | 0.4508507 | 2.1161 | 0.0344 | 0.874291783 | count | 1 |
| LIN7C | 0.6970062 | 0.2436815 | 2.8603 | 0.00427 | 0.874406957 | count | 1 |
| GTF2H2 | 0.8210484 | 0.3831822 | 2.1427 | 0.0322 | 0.874426978 | count | 1 |
| ARHGAP4 | 0.6541939 | 0.1506333 | 4.343 | 1.46E-05 | 0.874677144 | count | 0.3455674 |
| CCND1 | 0.6894684 | 0.233274 | 2.9556 | 0.00315 | 0.874744143 | count | 1 |
| PARG | 0.8289005 | 0.3560009 | 2.3284 | 0.02 | 0.87529568 | count | 1 |
| CD24 | 1.4320491 | 1.0138574 | 1.4125 | 0.158 | 0.875475564 | count | 1 |
| MIIP | 0.6575647 | 0.1559463 | 4.2166 | 2.57E-05 | 0.876360931 | count | 0.6070854 |
| RNF125 | 0.7052005 | 0.229896 | 3.0675 | 0.00218 | 0.876510312 | count | 1 |
| MTMR12 | 0.8101048 | 0.2900284 | 2.7932 | 0.00526 | 0.8765608 | count | 1 |
| AGO1 | 0.7163343 | 0.2879419 | 2.4878 | 0.0129 | 0.876773359 | count | 1 |
| SLC30A6 | 1.0802138 | 0.4266697 | 2.5317 | 0.0114 | 0.877687917 | count | 1 |
| CLEC16A | 1.049805 | 0.4472251 | 2.3474 | 0.019 | 0.878284426 | count | 1 |
| BTBD2 | 0.7465316 | 0.260733 | 2.8632 | 0.00423 | 0.878834117 | count | 1 |
| MSRB1 | 0.6566388 | 0.1409544 | 4.6585 | 3.36E-06 | 0.878880501 | count | 0.07984704 |
| PELI2 | 0.8015681 | 0.282891 | 2.8335 | 0.00464 | 0.879829801 | count | 1 |
| PACS1 | 0.7327363 | 0.2180447 | 3.3605 | 0.00079 | 0.880114322 | count | 1 |
| ACAP3 | 0.7744148 | 0.3460073 | 2.2381 | 0.0253 | 0.880494193 | count | 1 |
| KLHL35 | 1.9938216 | 0.9266302 | 2.1517 | 0.0315 | 0.880502826 | count | 1 |
| DDIT4-AS1 | 1.9938216 | 1.0182547 | 1.9581 | 0.0503 | 0.880502826 | count | 1 |
| KCNJ2-AS1 | 1.9938216 | 0.8392115 | 2.3758 | 0.0176 | 0.880502826 | count | 1 |
| GGT1 | 1.9938216 | 0.8392115 | 2.3758 | 0.0176 | 0.880502826 | count | 1 |
| RCN3 | 0.9432649 | 0.3735982 | 2.5248 | 0.0116 | 0.880546036 | count | 1 |
| CYYR1 | 1.735108 | 0.821909 | 2.1111 | 0.0349 | 0.880631396 | count | 1 |
| LPAR1 | 1.1201803 | 0.5927385 | 1.8898 | 0.0589 | 0.881100524 | count | 1 |
| TBC1D17 | 1.0529996 | 0.3979152 | 2.6463 | 0.00819 | 0.881122789 | count | 1 |
| TMEM164 | 0.7879922 | 0.3040169 | 2.5919 | 0.0096 | 0.881407261 | count | 1 |
| FAXDC2 | 1.0263421 | 0.4171191 | 2.4605 | 0.0139 | 0.88168644 | count | 1 |
| PHOSPHO2 | 1.3476398 | 0.7144048 | 1.8864 | 0.0594 | 0.881808042 | count | 1 |
| SPICE1 | 0.9620257 | 0.4088129 | 2.3532 | 0.0187 | 0.882015234 | count | 1 |
| TPM1 | 0.6718218 | 0.1612373 | 4.1667 | 3.20E-05 | 0.882410851 | count | 0.755296 |
| RAD52 | 1.2156191 | 0.5822647 | 2.0877 | 0.0369 | 0.883758736 | count | 1 |
| GSTT2B | 0.7661794 | 0.3231724 | 2.3708 | 0.0178 | 0.88384036 | count | 1 |
| C21orf91 | 0.7276148 | 0.214873 | 3.3863 | 0.00072 | 0.883981807 | count | 1 |
| PER3 | 0.7072143 | 0.2364572 | 2.9909 | 0.00281 | 0.884206353 | count | 1 |
| ETV3 | 0.6591309 | 0.1833318 | 3.5953 | 0.00033 | 0.884414191 | count | 1 |
| USF3 | 0.6895736 | 0.2888062 | 2.3877 | 0.017 | 0.88453928 | count | 1 |
| DAGLB | 0.7740746 | 0.2357661 | 3.2832 | 0.00104 | 0.884631563 | count | 1 |
| FRS2 | 0.8241311 | 0.3479749 | 2.3684 | 0.0179 | 0.885226292 | count | 1 |
| FAM157C | 1.4478401 | 0.4126426 | 3.5087 | 0.000458 | 0.885771836 | count | 1 |
| PPIP5K1 | 1.030909 | 0.7547686 | 1.3659 | 0.172 | 0.88584365 | count | 1 |
| IQSEC1 | 0.6798073 | 0.1599675 | 4.2497 | 2.22E-05 | 0.886117429 | count | 0.5247414 |
| POLR3F | 0.7754909 | 0.3178665 | 2.4397 | 0.0148 | 0.886296473 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| ACSM5 | 1.2195757 | 0.4754727 | 2.565 | 0.0104 | 0.886834461 | count | 1 |
| TRIB1 | 0.6529091 | 0.1192419 | 5.4755 | 4.81E-08 | 0.887075293 | count | 0.001151129 |
| LIPN | 0.9068667 | 0.2771519 | 3.2721 | 0.00108 | 0.887082159 | count | 1 |
| SH3RF3 | 1.1704493 | 0.5840253 | 2.0041 | 0.0452 | 0.887712348 | count | 1 |
| TNNT1 | 0.7290118 | 0.2615966 | 2.7868 | 0.00536 | 0.888077349 | count | 1 |
| AC026401.3 | 1.0925695 | 0.4131649 | 2.6444 | 0.00824 | 0.888372062 | count | 1 |
| POU2F2 | 0.6350603 | 0.0898783 | 7.0658 | 2.07E-12 | 0.888667355 | count | 4.99E-08 |
| USP11 | 0.8102612 | 0.3088913 | 2.6231 | 0.00877 | 0.889692635 | count | 1 |
| AL139274.2 | 1.284112 | 0.7694217 | 1.6689 | 0.0953 | 0.889769459 | count | 1 |
| HSF4 | 2.486537 | 1.220077 | 2.038 | 0.0417 | 0.890650311 | count | 1 |
| UBE2O | 0.8605713 | 0.3835232 | 2.2439 | 0.0249 | 0.892597078 | count | 1 |
| MON1B | 0.7194212 | 0.27196 | 2.6453 | 0.00821 | 0.892680507 | count | 1 |
| GATA2 | 2.495488 | 1.0863664 | 2.2971 | 0.0217 | 0.89336464 | count | 1 |
| F2RL1 | 2.495488 | 1.0324181 | 2.4171 | 0.0157 | 0.89336464 | count | 1 |
| AC116366.3 | 2.495488 | 1.0324181 | 2.4171 | 0.0157 | 0.89336464 | count | 1 |
| CASC8 | 2.495488 | 1.0324181 | 2.4171 | 0.0157 | 0.89336464 | count | 1 |
| CEP295NL | 2.495488 | 1.0324181 | 2.4171 | 0.0157 | 0.89336464 | count | 1 |
| ALG12 | 0.8251658 | 0.3317245 | 2.4875 | 0.0129 | 0.893435444 | count | 1 |
| MPP7 | 1.4614765 | 0.4273894 | 3.4195 | 0.000638 | 0.894650535 | count | 1 |
| ERAP1 | 0.7873035 | 0.2594813 | 3.0341 | 0.00244 | 0.895579706 | count | 1 |
| MIB2 | 0.8928207 | 0.3609655 | 2.4734 | 0.0134 | 0.896470996 | count | 1 |
| FAM13B | 0.6924202 | 0.2041346 | 3.392 | 0.000705 | 0.896492921 | count | 1 |
| FAM184B | 0.9595912 | 0.4789147 | 2.0037 | 0.0452 | 0.896578888 | count | 1 |
| AL050341.2 | 0.9443789 | 0.4923917 | 1.9179 | 0.0552 | 0.897216793 | count | 1 |
| DIAPH2 | 0.6581124 | 0.1615631 | 4.0734 | 4.78E-05 | 0.897980876 | count | 1 |
| CBX8 | 1.1836335 | 0.6048583 | 1.9569 | 0.0505 | 0.898384578 | count | 1 |
| SRBD1 | 0.7243214 | 0.2229563 | 3.2487 | 0.00117 | 0.89887366 | count | 1 |
| MSANTD2 | 0.8240312 | 0.4933214 | 1.6704 | 0.095 | 0.898891941 | count | 1 |
| VASH1-AS1 | 1.4707226 | 0.666173 | 2.2077 | 0.0274 | 0.900663599 | count | 1 |
| ZNF280D | 0.7165769 | 0.2473211 | 2.8974 | 0.0038 | 0.900960485 | count | 1 |
| AC009831.1 | 1.376384 | 0.7791669 | 1.7665 | 0.0774 | 0.901904446 | count | 1 |
| EDEM3 | 0.6789524 | 0.1785509 | 3.8026 | 0.000147 | 0.901943934 | count | 1 |
| TMEM209 | 0.8880337 | 0.358415 | 2.4777 | 0.0133 | 0.90228766 | count | 1 |
| ZNF615 | 1.188803 | 0.7306557 | 1.627 | 0.104 | 0.902568292 | count | 1 |
| ALOX12-AS1 | 0.8698331 | 0.3400719 | 2.5578 | 0.0106 | 0.902589473 | count | 1 |
| PRKAR2B | 0.7703503 | 0.2814326 | 2.7372 | 0.00624 | 0.904082812 | count | 1 |
| FAM227B | 1.7799913 | 0.7849761 | 2.2676 | 0.0234 | 0.904115331 | count | 1 |
| TCHP | 0.7299797 | 0.2437701 | 2.9945 | 0.00278 | 0.904122407 | count | 1 |
| TRMT1 | 0.6577805 | 0.1163543 | 5.6533 | 1.76E-08 | 0.90429944 | count | 0.000421837 |
| ABTB1 | 0.6626378 | 0.1320883 | 5.0166 | 5.64E-07 | 0.904449926 | count | 0.013444068 |
| R3HDM4 | 0.697081 | 0.1872491 | 3.7227 | 0.000202 | 0.904492568 | count | 1 |
| MAF | 0.6482914 | 0.101762 | 6.3707 | 2.24E-10 | 0.904510115 | count | 5.39E-06 |
| MDM1 | 1.3810448 | 0.4053633 | 3.4069 | 0.000668 | 0.905159173 | count | 1 |
| AL161785.1 | 1.3829686 | 0.4459814 | 3.101 | 0.00195 | 0.906502184 | count | 1 |
| ABT1 | 0.6965866 | 0.2005386 | 3.4736 | 0.000522 | 0.906542568 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| MAP3K21 | 1.0819442 | 0.52816 | 2.0485 | 0.0406 | 0.906841526 | count | 1 |
| DCAF10 | 0.7389755 | 0.2473421 | 2.9877 | 0.00284 | 0.907250869 | count | 1 |
| TANC1 | 2.0580676 | 0.7732558 | 2.6616 | 0.00783 | 0.908223724 | count | 1 |
| RAB3D | 0.7874691 | 0.2775875 | 2.8368 | 0.00459 | 0.909081387 | count | 1 |
| LINC01089 | 0.9572235 | 0.4018115 | 2.3823 | 0.0173 | 0.910025835 | count | 1 |
| RNASE1 | 0.6319663 | 0.0866031 | 7.2973 | 3.95E-13 | 0.910871193 | count | 9.54E-09 |
| AC007881.3 | 1.6149319 | 0.6270114 | 2.5756 | 0.0101 | 0.9110856 | count | 1 |
| RNF139-AS1 | 1.1198484 | 0.5695453 | 1.9662 | 0.0494 | 0.911959132 | count | 1 |
| VWA8 | 0.8702122 | 0.6722595 | 1.2945 | 0.196 | 0.912031305 | count | 1 |
| ZC3H12C | 0.9450145 | 0.4887233 | 1.9336 | 0.0533 | 0.912451014 | count | 1 |
| CIDEB | 0.7836622 | 0.2730464 | 2.8701 | 0.00414 | 0.912612308 | count | 1 |
| ROGDI | 0.6932708 | 0.1480041 | 4.6841 | 2.97E-06 | 0.913030524 | count | 0.07059393 |
| FBXL19-AS1 | 1.7974257 | 0.9389931 | 1.9142 | 0.0557 | 0.91317724 | count | 1 |
| MAML1 | 0.8430478 | 0.3174975 | 2.6553 | 0.00798 | 0.91348017 | count | 1 |
| CTC1 | 1.6200274 | 0.6374851 | 2.5413 | 0.0111 | 0.914094737 | count | 1 |
| EPS8 | 0.6777512 | 0.1363118 | 4.9721 | 7.08E-07 | 0.914423008 | count | 0.01687164 |
| NUMA1 | 0.686708 | 0.1734824 | 3.9584 | 7.76E-05 | 0.914537205 | count | 1 |
| TMEM131L | 0.8906909 | 0.3078922 | 2.8929 | 0.00385 | 0.915373166 | count | 1 |
| GBP4 | 0.7100762 | 0.1842662 | 3.8535 | 0.000119 | 0.91560415 | count | 1 |
| MEPCE | 0.749447 | 0.2194434 | 3.4152 | 0.000648 | 0.915848324 | count | 1 |
| GFOD1 | 0.7869096 | 0.2646207 | 2.9737 | 0.00297 | 0.916493347 | count | 1 |
| MGST1 | 0.6563257 | 0.1206976 | 5.4378 | 5.93E-08 | 0.917341206 | count | 0.001418753 |
| INPP5F | 0.7910312 | 0.3125369 | 2.531 | 0.0114 | 0.917436442 | count | 1 |
| PILRB | 0.8406581 | 0.3124081 | 2.6909 | 0.00717 | 0.917652134 | count | 1 |
| ARNT | 0.7327292 | 0.2435867 | 3.0081 | 0.00266 | 0.918361851 | count | 1 |
| FAM160B1 | 0.8682178 | 0.4264509 | 2.0359 | 0.0419 | 0.918421842 | count | 1 |
| RPS6KA5 | 0.7515396 | 0.3163302 | 2.3758 | 0.0176 | 0.918457634 | count | 1 |
| ZNF333 | 0.8031341 | 0.4689803 | 1.7125 | 0.0869 | 0.918804919 | count | 1 |
| NECTIN3 | 2.5830007 | 1.426052 | 1.8113 | 0.0702 | 0.919285835 | count | 1 |
| CNGA1 | 2.5830007 | 1.0795869 | 2.3926 | 0.0168 | 0.919285835 | count | 1 |
| TAS2R14 | 2.5830007 | 1.0795869 | 2.3926 | 0.0168 | 0.919285835 | count | 1 |
| SNX27 | 0.6833053 | 0.1337282 | 5.1097 | 3.48E-07 | 0.919648984 | count | 0.008302932 |
| LATS1 | 0.8263546 | 0.2629258 | 3.1429 | 0.00169 | 0.920024719 | count | 1 |
| SLC33A1 | 0.8218398 | 0.3449569 | 2.3824 | 0.0173 | 0.920468011 | count | 1 |
| METTL7A | 0.6929097 | 0.115484 | 6 | 2.26E-09 | 0.920674237 | count | 5.43E-05 |
| TMEM168 | 0.8784141 | 0.2912424 | 3.0161 | 0.00259 | 0.920959967 | count | 1 |
| AL359513.1 | 2.0888534 | 0.7917158 | 2.6384 | 0.00838 | 0.921308642 | count | 1 |
| UBE2V1 | 0.7474887 | 0.2445606 | 3.0565 | 0.00226 | 0.92217489 | count | 1 |
| C16orf86 | 0.9414227 | 0.3178326 | 2.962 | 0.00309 | 0.92247634 | count | 1 |
| P2RY13 | 0.6572367 | 0.0921056 | 7.1357 | 1.26E-12 | 0.922582057 | count | 3.04E-08 |
| TBRG4 | 0.7636253 | 0.2282139 | 3.3461 | 0.000832 | 0.923527668 | count | 1 |
| FAM13A | 0.7089358 | 0.1935359 | 3.6631 | 0.000254 | 0.923700289 | count | 1 |
| SMPD2 | 0.9564575 | 0.3907285 | 2.4479 | 0.0144 | 0.924025018 | count | 1 |
| MIB1 | 0.8993633 | 0.3173279 | 2.8342 | 0.00463 | 0.924649813 | count | 1 |
| LRWD1 | 0.97213 | 0.4433041 | 2.1929 | 0.0284 | 0.924894625 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|---------|----------|-------------|-------|-------------|
| TSTD2 | 0.8669917 | 0.3823029 | 2.2678 | 0.0234 | 0.925208117 | count | 1 |
| AKTIP | 1.0492924 | 0.5020987 | 2.0898 | 0.0367 | 0.925450549 | count | 1 |
| EPS15 | 0.6778603 | 0.1237098 | 5.4794 | 4.70E-08 | 0.925624286 | count | 0.001124851 |
| CD302 | 0.6596154 | 0.0717497 | 9.1933 | 7.90E-20 | 0.926954027 | count | 1.91E-15 |
| NGRN | 1.0285989 | 0.465052 | 2.2118 | 0.0271 | 0.927004707 | count | 1 |
| DGLUCY | 0.8142964 | 0.2268405 | 3.5897 | 0.000338 | 0.927190229 | count | 1 |
| UBA7 | 1.0523411 | 0.3188932 | 3.3 | 0.000981 | 0.928287967 | count | 1 |
| SLC44A2 | 1.0524448 | 0.3781748 | 2.783 | 0.00543 | 0.92838447 | count | 1 |
| KLHL8 | 0.7586963 | 0.2116604 | 3.5845 | 0.000344 | 0.92969622 | count | 1 |
| PLEKHH3 | 1.4174745 | 0.540178 | 2.6241 | 0.00874 | 0.930554652 | count | 1 |
| DGKG | 1.0133085 | 0.4482299 | 2.2607 | 0.0239 | 0.93157216 | count | 1 |
| SH3PXD2A | 0.9791844 | 0.3317832 | 2.9513 | 0.00319 | 0.931932298 | count | 1 |
| PER1 | 0.6862211 | 0.1089283 | 6.2998 | 3.52E-10 | 0.932371209 | count | 8.47E-06 |
| SCARF1 | 0.8815244 | 0.26726 | 3.2984 | 0.000986 | 0.933027254 | count | 1 |
| CLEC4D | 0.7813471 | 0.2048758 | 3.8138 | 0.00014 | 0.933923509 | count | 1 |
| PPM1K | 0.7796915 | 0.2438559 | 3.1973 | 0.0014 | 0.934903908 | count | 1 |
| DHRS4-AS1 | 0.766728 | 0.2426677 | 3.1596 | 0.0016 | 0.934997498 | count | 1 |
| IGSF10 | 1.4241887 | 0.529656 | 2.6889 | 0.00722 | 0.935226261 | count | 1 |
| DHX57 | 1.1146049 | 0.3258855 | 3.4202 | 0.000636 | 0.93586045 | count | 1 |
| PPARA | 0.8307218 | 0.350609 | 2.3694 | 0.0179 | 0.936174645 | count | 1 |
| MAPK7 | 0.8313673 | 0.2558763 | 3.2491 | 0.00117 | 0.936923874 | count | 1 |
| ZSCAN9 | 1.2842545 | 0.5004461 | 2.5662 | 0.0103 | 0.937048406 | count | 1 |
| SYTL1 | 1.3484133 | 0.4031059 | 3.3451 | 0.000835 | 0.937319769 | count | 1 |
| MATR3 | 0.8857431 | 0.3036933 | 2.9166 | 0.00357 | 0.937658602 | count | 1 |
| SEC16B | 2.6506688 | 1.276468 | 2.0766 | 0.0379 | 0.938551708 | count | 1 |
| AL512306.3 | 2.6506688 | 1.991831 | 1.3308 | 0.183 | 0.938551708 | count | 1 |
| AC084036.1 | 2.6506688 | 1.0708119 | 2.4754 | 0.0134 | 0.938551708 | count | 1 |
| ZRSR2 | 0.7562501 | 0.2053139 | 3.6834 | 0.000235 | 0.939242336 | count | 1 |
| MATN1-AS1 | 2.131814 | 0.8437107 | 2.5267 | 0.0116 | 0.939343718 | count | 1 |
| DMTF1 | 0.8205954 | 0.2583052 | 3.1768 | 0.00151 | 0.939350846 | count | 1 |
| LINC00996 | 1.8482106 | 0.764774 | 2.4167 | 0.0157 | 0.939369307 | count | 1 |
| PLCG2 | 0.6695395 | 0.1210028 | 5.5333 | 3.48E-08 | 0.940036253 | count | 0.000833216 |
| SPTLC2 | 0.7056916 | 0.1132079 | 6.2336 | 5.35E-10 | 0.94006954 | count | 1.29E-05 |
| RAB33B | 0.849162 | 0.2594267 | 3.2732 | 0.00108 | 0.940175232 | count | 1 |
| TNFRSF25 | 1.6649858 | 0.6388197 | 2.6063 | 0.00921 | 0.940536178 | count | 1 |
| HEXDC | 0.7162942 | 0.2045011 | 3.5026 | 0.000469 | 0.940763016 | count | 1 |
| CPNE8 | 0.7006053 | 0.1518093 | 4.615 | 4.13E-06 | 0.941011322 | count | 0.0980875 |
| KLF4 | 0.6578609 | 0.0581316 | 11.3168 | 5.60E-29 | 0.941179043 | count | 1.36E-24 |
| ZNF354B | 0.9734707 | 0.3678373 | 2.6465 | 0.00819 | 0.941236754 | count | 1 |
| ANKRD23 | 2.6609832 | 1.2401129 | 2.1458 | 0.032 | 0.941428235 | count | 1 |
| SEZ6L | 2.6609832 | 1.0771069 | 2.4705 | 0.0136 | 0.941428235 | count | 1 |
| CLEC4A | 0.676044 | 0.0947601 | 7.1343 | 1.28E-12 | 0.942214692 | count | 3.09E-08 |
| SEC24B | 0.8118695 | 0.270048 | 3.0064 | 0.00267 | 0.942255427 | count | 1 |
| TBL1X | 0.746097 | 0.2063634 | 3.6155 | 0.000306 | 0.943391476 | count | 1 |
| STYX | 0.7565627 | 0.2516146 | 3.0068 | 0.00267 | 0.943421143 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|---------|----------|-------------|-------|-----------|
| INPP5K | 0.7845348 | 0.2750093 | 2.8528 | 0.00437 | 0.943771571 | count | 1 |
| AKT3 | 0.8373261 | 0.2858561 | 2.9292 | 0.00343 | 0.94384083 | count | 1 |
| LINC00346 | 0.8209251 | 0.3775931 | 2.1741 | 0.0298 | 0.944341293 | count | 1 |
| MCPH1 | 0.8647357 | 0.2530103 | 3.4178 | 0.000642 | 0.944832257 | count | 1 |
| NADK | 0.7564631 | 0.1887663 | 4.0074 | 6.32E-05 | 0.945116353 | count | 1 |
| MRI1 | 0.8180495 | 0.401097 | 2.0395 | 0.0415 | 0.945360616 | count | 1 |
| TTF2 | 0.7814885 | 0.2546121 | 3.0693 | 0.00217 | 0.945601996 | count | 1 |
| MTRR | 1.1590531 | 0.3904568 | 2.9685 | 0.00302 | 0.945845296 | count | 1 |
| ZNF586 | 1.5407545 | 0.49638 | 3.104 | 0.00193 | 0.946001962 | count | 1 |
| FAM122A | 0.7496184 | 0.2534709 | 2.9574 | 0.00313 | 0.946386002 | count | 1 |
| VSIR | 0.6673467 | 0.0622976 | 10.7122 | 3.35E-26 | 0.94674374 | count | 8.13E-22 |
| ROBO4 | 2.152247 | 0.692947 | 3.1059 | 0.00192 | 0.947827794 | count | 1 |
| AGPAT1 | 0.7347372 | 0.2595088 | 2.8313 | 0.00467 | 0.94784712 | count | 1 |
| STAB1 | 0.6827758 | 0.1083064 | 6.3041 | 3.43E-10 | 0.947994167 | count | 8.25E-06 |
| AC103591.3 | 0.7041485 | 0.2967657 | 2.3727 | 0.0177 | 0.948353767 | count | 1 |
| ANKRA2 | 0.904547 | 0.3348253 | 2.7015 | 0.00695 | 0.949418967 | count | 1 |
| ARL11 | 0.7275529 | 0.1981022 | 3.6726 | 0.000245 | 0.950021162 | count | 1 |
| RLIM | 0.7537012 | 0.1992335 | 3.783 | 0.000159 | 0.950051648 | count | 1 |
| VPS13A | 0.8101929 | 0.3334649 | 2.4296 | 0.0152 | 0.952047553 | count | 1 |
| LINC01176 | 1.450646 | 0.6232521 | 2.3275 | 0.02 | 0.953605031 | count | 1 |
| BX284668.5 | 0.7451471 | 0.1964833 | 3.7924 | 0.000153 | 0.954459148 | count | 1 |
| KIAA1109 | 0.7326246 | 0.158143 | 4.6327 | 3.80E-06 | 0.954955876 | count | 0.0902576 |
| ACSF3 | 0.7719775 | 0.2307825 | 3.345 | 0.000835 | 0.95508138 | count | 1 |
| ZNF101 | 0.9109344 | 0.5424205 | 1.6794 | 0.0932 | 0.956377002 | count | 1 |
| CENPJ | 0.9397001 | 0.3770125 | 2.4925 | 0.0128 | 0.957029583 | count | 1 |
| RGL1 | 0.7159806 | 0.1568544 | 4.5646 | 5.25E-06 | 0.957084969 | count | 0.1246245 |
| PIK3CG | 0.8896299 | 0.2596961 | 3.4257 | 0.000623 | 0.958177913 | count | 1 |
| S1PR4 | 0.75309 | 0.2014257 | 3.7388 | 0.000189 | 0.958188943 | count | 1 |
| CDADC1 | 0.8770361 | 0.2623826 | 3.3426 | 0.000842 | 0.958722804 | count | 1 |
| CWF19L1 | 0.8502736 | 0.3065777 | 2.7734 | 0.00559 | 0.958873057 | count | 1 |
| SMIM27 | 0.7977989 | 0.222902 | 3.5791 | 0.000351 | 0.96008355 | count | 1 |
| AC114490.3 | 2.7315296 | 1.0318309 | 2.6473 | 0.00817 | 0.960674909 | count | 1 |
| AP003774.4 | 2.7315296 | 1.0318309 | 2.6473 | 0.00817 | 0.960674909 | count | 1 |
| AC020656.2 | 1.564376 | 0.6481014 | 2.4138 | 0.0159 | 0.961203284 | count | 1 |
| HECTD2 | 0.8734278 | 0.2747793 | 3.1787 | 0.0015 | 0.96142513 | count | 1 |
| BTN3A3 | 1.0449742 | 0.3218873 | 3.2464 | 0.00118 | 0.962183523 | count | 1 |
| CLU | 0.7977271 | 0.4397537 | 1.814 | 0.0698 | 0.962878182 | count | 1 |
| TMPO-AS1 | 1.1787881 | 0.6119663 | 1.9262 | 0.0542 | 0.962892739 | count | 1 |
| RPRD2 | 0.8258537 | 0.3324927 | 2.4838 | 0.0131 | 0.963057894 | count | 1 |
| EPN2 | 1.0902477 | 0.4418608 | 2.4674 | 0.0137 | 0.963565395 | count | 1 |
| GALT | 0.766942 | 0.2076753 | 3.693 | 0.000226 | 0.963709576 | count | 1 |
| ZNF343 | 1.8963808 | 0.7412267 | 2.5584 | 0.0106 | 0.963915062 | count | 1 |
| ADRB2 | 0.7326466 | 0.1765735 | 4.1492 | 3.45E-05 | 0.964008903 | count | 0.813993 |
| RBM5 | 0.7357479 | 0.1697032 | 4.3355 | 1.51E-05 | 0.964225364 | count | 0.3573868 |
| SIRPB2 | 0.7929397 | 0.3312872 | 2.3935 | 0.0168 | 0.965079209 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|--------|----------|-------------|-------|-------------|
| DIAPH1 | 0.7151563 | 0.1359929 | 5.2588 | 1.58E-07 | 0.965701043 | count | 0.003775252 |
| PRKAB1 | 1.0926743 | 0.4366523 | 2.5024 | 0.0124 | 0.965823382 | count | 1 |
| ZBP1 | 1.2674475 | 1.0359523 | 1.2235 | 0.221 | 0.966127991 | count | 1 |
| DPP9 | 0.7902751 | 0.2530338 | 3.1232 | 0.00181 | 0.966777294 | count | 1 |
| AC090517.4 | 1.2236579 | 0.6328326 | 1.9336 | 0.0533 | 0.967796897 | count | 1 |
| MAPK8IP3 | 1.1223093 | 0.4515017 | 2.4857 | 0.013 | 0.969052171 | count | 1 |
| FZD1 | 0.7461737 | 0.2301382 | 3.2423 | 0.0012 | 0.970018329 | count | 1 |
| TSPAN2 | 1.3931463 | 0.5520871 | 2.5234 | 0.0117 | 0.970274561 | count | 1 |
| ANKRD49 | 0.8113783 | 0.2678033 | 3.0298 | 0.00247 | 0.970654516 | count | 1 |
| ACBD4 | 1.1244226 | 0.4051563 | 2.7753 | 0.00556 | 0.970975331 | count | 1 |
| BLOC1S3 | 0.9342633 | 0.3914169 | 2.3869 | 0.0171 | 0.972158279 | count | 1 |
| AC010883.1 | 1.395767 | 0.6417283 | 2.175 | 0.0297 | 0.972201285 | count | 1 |
| AC124016.1 | 1.395767 | 0.5545322 | 2.517 | 0.0119 | 0.972201285 | count | 1 |
| EFHC1 | 1.1558507 | 0.4438251 | 2.6043 | 0.00926 | 0.972490038 | count | 1 |
| NTNG2 | 0.878156 | 0.3118583 | 2.8159 | 0.0049 | 0.973312264 | count | 1 |
| PRKCD | 0.7591399 | 0.1508331 | 5.033 | 5.18E-07 | 0.973891647 | count | 0.012349638 |
| PRAG1 | 1.1576412 | 0.4328909 | 2.6742 | 0.00754 | 0.974079455 | count | 1 |
| AC023157.3 | 0.7963802 | 0.2440848 | 3.2627 | 0.00112 | 0.974395965 | count | 1 |
| NUP210 | 0.9045381 | 0.3208389 | 2.8193 | 0.00485 | 0.974795947 | count | 1 |
| CFAP58-DT | 1.586088 | 0.8089229 | 1.9607 | 0.05 | 0.975130008 | count | 1 |
| CYB5B | 0.7421178 | 0.1794403 | 4.1357 | 3.66E-05 | 0.976611793 | count | 0.8633574 |
| RIC1 | 0.8655757 | 0.2507139 | 3.4524 | 0.000565 | 0.976643541 | count | 1 |
| KMT2E-AS1 | 0.8277344 | 0.2485542 | 3.3302 | 0.000881 | 0.976912189 | count | 1 |
| BUD13 | 0.866415 | 0.2930113 | 2.9569 | 0.00314 | 0.977618352 | count | 1 |
| PRKN | 2.796085 | 1.1210477 | 2.4942 | 0.0127 | 0.977631994 | count | 1 |
| RGL3 | 2.796085 | 1.120051 | 2.4964 | 0.0126 | 0.977631994 | count | 1 |
| ZNF30 | 2.796085 | 1.1990069 | 2.332 | 0.0198 | 0.977631994 | count | 1 |
| 9-Sep | 0.7238496 | 0.1311673 | 5.5185 | 3.78E-08 | 0.978305327 | count | 0.000904894 |
| WRNIP1 | 0.8262907 | 0.287164 | 2.8774 | 0.00404 | 0.978771983 | count | 1 |
| POC5 | 0.9404359 | 0.4020312 | 2.3392 | 0.0194 | 0.978826939 | count | 1 |
| TMEM104 | 1.2371225 | 0.4353318 | 2.8418 | 0.00452 | 0.979057876 | count | 1 |
| TRIT1 | 1.0436216 | 0.3736988 | 2.7927 | 0.00527 | 0.979153703 | count | 1 |
| USP45 | 1.0267393 | 0.4576141 | 2.2437 | 0.0249 | 0.979385192 | count | 1 |
| SWT1 | 0.9720573 | 0.6001552 | 1.6197 | 0.105 | 0.979567088 | count | 1 |
| PLIN5 | 1.3396769 | 0.5926468 | 2.2605 | 0.0239 | 0.979941246 | count | 1 |
| CNRIP1 | 0.7974975 | 0.2148947 | 3.7111 | 0.000211 | 0.980563264 | count | 1 |
| TRAF3IP3 | 0.7264982 | 0.1370722 | 5.3001 | 1.26E-07 | 0.981140902 | count | 0.003011148 |
| AC144831.1 | 1.065223 | 0.4280483 | 2.4886 | 0.0129 | 0.981757805 | count | 1 |
| PAXBP1-AS1 | 1.1383517 | 0.4059758 | 2.804 | 0.00509 | 0.983649378 | count | 1 |
| AAR2 | 0.9759689 | 0.3290878 | 2.9657 | 0.00305 | 0.983671412 | count | 1 |
| LIG3 | 0.9361605 | 0.3536264 | 2.6473 | 0.00817 | 0.983862938 | count | 1 |
| AC005332.1 | 0.9058415 | 0.3253173 | 2.7845 | 0.0054 | 0.983931158 | count | 1 |
| GGT7 | 1.2037457 | 0.492181 | 2.4457 | 0.0145 | 0.984437418 | count | 1 |
| RERE | 0.7385522 | 0.1437119 | 5.1391 | 2.98E-07 | 0.985396583 | count | 0.00711177 |
| MEDAG | 18.6516772 | 1259.393233 | 0.0148 | 0.988 | 0.985786068 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|--------|--------|-------------|-------|---|
| AC093388.1 | 19.2691062 | 1564.758214 | 0.0123 | 0.9902 | 0.985786073 | count | 1 |
| TNN | 19.3561681 | 1938.641643 | 0.01 | 0.992 | 0.985786073 | count | 1 |
| HIP1R | 19.559496 | 1320.282742 | 0.0148 | 0.9882 | 0.985786074 | count | 1 |
| ADGRG1 | 20.1345959 | 1238.268074 | 0.0163 | 0.987 | 0.985786076 | count | 1 |
| CELSR3 | 20.1358452 | 1756.601605 | 0.0115 | 0.991 | 0.985786076 | count | 1 |
| OR7G2 | 20.1358452 | 1756.601605 | 0.0115 | 0.991 | 0.985786076 | count | 1 |
| AC007249.2 | 20.1358453 | 1756.601655 | 0.0115 | 0.991 | 0.985786076 | count | 1 |
| NCBP2-AS1 | 20.1358453 | 1756.601677 | 0.0115 | 0.991 | 0.985786076 | count | 1 |
| ECT2L | 20.1358453 | 1756.601677 | 0.0115 | 0.991 | 0.985786076 | count | 1 |
| HEPH | 20.1358453 | 1756.601655 | 0.0115 | 0.991 | 0.985786076 | count | 1 |
| GRIK5 | 20.1358453 | 1756.601677 | 0.0115 | 0.991 | 0.985786076 | count | 1 |
| SH3TC2 | 18.601927 | 920.1423476 | 0.0202 | 0.984 | 0.985786138 | count | 1 |
| AC009318.3 | 19.2683063 | 1357.302788 | 0.0142 | 0.9887 | 0.985786144 | count | 1 |
| ADAMTS5 | 19.2683104 | 1357.302344 | 0.0142 | 0.9887 | 0.985786144 | count | 1 |
| AC010680.4 | 19.3305558 | 1258.052218 | 0.0154 | 0.988 | 0.985786145 | count | 1 |
| UST | 19.355698 | 1368.299796 | 0.0141 | 0.989 | 0.985786145 | count | 1 |
| PRICKLE1 | 19.355698 | 1368.299796 | 0.0141 | 0.989 | 0.985786145 | count | 1 |
| PTPRG | 19.4277769 | 2106.811277 | 0.0092 | 0.993 | 0.985786145 | count | 1 |
| LINC01126 | 19.4448558 | 1526.726132 | 0.0127 | 0.9898 | 0.985786145 | count | 1 |
| SCGB3A1 | 19.4452758 | 1721.520012 | 0.0113 | 0.991 | 0.985786145 | count | 1 |
| LINC02217 | 20.1345958 | 1238.268145 | 0.0163 | 0.987 | 0.985786148 | count | 1 |
| CDC20B | 20.1345958 | 1238.268156 | 0.0163 | 0.987 | 0.985786148 | count | 1 |
| AC007216.2 | 20.1345957 | 1238.26813 | 0.0163 | 0.987 | 0.985786148 | count | 1 |
| AC110285.6 | 20.1345958 | 1238.268094 | 0.0163 | 0.987 | 0.985786148 | count | 1 |
| IL11 | 20.1345957 | 1238.268074 | 0.0163 | 0.987 | 0.985786148 | count | 1 |
| FAM87B | 20.1345961 | 1238.268115 | 0.0163 | 0.987 | 0.985786148 | count | 1 |
| TAS1R3 | 20.134596 | 1238.268115 | 0.0163 | 0.987 | 0.985786148 | count | 1 |
| ROR1 | 20.134596 | 1238.26813 | 0.0163 | 0.987 | 0.985786148 | count | 1 |
| KCNN1 | 20.134596 | 1238.268125 | 0.0163 | 0.987 | 0.985786148 | count | 1 |
| PLA2G6 | 20.1345956 | 1238.268104 | 0.0163 | 0.987 | 0.985786148 | count | 1 |
| CNTNAP2 | 20.1345959 | 1238.268084 | 0.0163 | 0.987 | 0.985786148 | count | 1 |
| AL590399.3 | 20.1345962 | 1238.268161 | 0.0163 | 0.987 | 0.985786148 | count | 1 |
| LINC02257 | 20.135845 | 1756.601663 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| HOOK1 | 20.1358452 | 1756.601576 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| AL449266.1 | 20.1358452 | 1756.601648 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| DNM3OS | 20.1358452 | 1756.601612 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| AC018693.1 | 20.1358453 | 1756.60167 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| AC007389.5 | 20.1358453 | 1756.601714 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| AC007879.3 | 20.1358452 | 1756.601612 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| APOA1 | 20.1358452 | 1756.601626 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| CYP46A1 | 20.1358453 | 1756.601655 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| MKRN3 | 20.1358452 | 1756.60175 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| HSPB6 | 20.1358452 | 1756.601648 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| FP565260.3 | 20.1358455 | 1756.601743 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| AC097382.2 | 20.1358451 | 1756.601619 | 0.0115 | 0.991 | 0.985786148 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|----------|-------------|-------|-------------|
| DUOXA1 | 20.1358451 | 1756.601648 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| AC015674.1 | 20.1358451 | 1756.601619 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| AC013403.2 | 20.1358454 | 1756.601721 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| AC023128.1 | 20.1358454 | 1756.601655 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| RGS7BP | 20.1358454 | 1756.601721 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| AL031123.1 | 20.1358454 | 1756.601655 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| AC110285.5 | 20.1358454 | 1756.601721 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| AC004221.1 | 20.1358454 | 1756.601655 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| WNT7B | 20.1358454 | 1756.601721 | 0.0115 | 0.991 | 0.985786148 | count | 1 |
| MVB12B | 0.9671209 | 0.2876906 | 3.3617 | 0.000787 | 0.986099888 | count | 1 |
| PRKD2 | 0.9150475 | 0.3789269 | 2.4148 | 0.0158 | 0.986512784 | count | 1 |
| HMGB2 | 0.6986995 | 0.0853264 | 8.1886 | 4.20E-16 | 0.986778266 | count | 1.02E-11 |
| CKAP4 | 0.7384122 | 0.1507486 | 4.8983 | 1.03E-06 | 0.986827745 | count | 0.02453151 |
| CPED1 | 0.8128832 | 0.2415033 | 3.3659 | 0.000775 | 0.987176383 | count | 1 |
| RXRA | 0.7217197 | 0.1267368 | 5.6946 | 1.38E-08 | 0.987236024 | count | 0.000330924 |
| YLPM1 | 0.8334656 | 0.271326 | 3.0718 | 0.00215 | 0.987473407 | count | 1 |
| GANC | 0.9487399 | 0.297508 | 3.189 | 0.00145 | 0.987798966 | count | 1 |
| PBXIP1 | 0.8281837 | 0.2199615 | 3.7651 | 0.00017 | 0.987943126 | count | 1 |
| ATOH8 | 1.5003966 | 0.5222435 | 2.873 | 0.0041 | 0.988023038 | count | 1 |
| ZBTB42 | 1.5003966 | 0.5400968 | 2.778 | 0.00551 | 0.988023038 | count | 1 |
| RABGEF1 | 0.8231632 | 0.2200604 | 3.7406 | 0.000188 | 0.988228548 | count | 1 |
| MEFV | 1.1182756 | 0.2718512 | 4.1136 | 4.02E-05 | 0.989641601 | count | 0.9478356 |
| FOSB | 0.6916567 | 0.0643136 | 10.7544 | 2.17E-26 | 0.990928374 | count | 5.27E-22 |
| TNFAIP2 | 0.706715 | 0.0967853 | 7.3019 | 3.82E-13 | 0.991023488 | count | 9.22E-09 |
| ANKDD1A | 0.9832846 | 0.4382046 | 2.2439 | 0.0249 | 0.991347795 | count | 1 |
| NFATC1 | 0.7964842 | 0.3363051 | 2.3683 | 0.0179 | 0.992150139 | count | 1 |
| TMX4 | 0.7155344 | 0.13385 | 5.3458 | 9.83E-08 | 0.992332536 | count | 0.00234996 |
| PLA2G16 | 0.7612496 | 0.1409185 | 5.4021 | 7.22E-08 | 0.992737139 | count | 0.001726663 |
| NCKIPSD | 1.0408045 | 0.4952213 | 2.1017 | 0.0357 | 0.99342125 | count | 1 |
| ACSS1 | 1.301886 | 0.3674092 | 3.5434 | 0.000402 | 0.99388802 | count | 1 |
| LBH | 1.0415537 | 0.4011327 | 2.5965 | 0.00947 | 0.994168892 | count | 1 |
| APOOL | 0.8173289 | 0.2298028 | 3.5567 | 0.000383 | 0.995382076 | count | 1 |
| PPP4R1 | 0.7949627 | 0.2166376 | 3.6696 | 0.000248 | 0.995935736 | count | 1 |
| AC106028.4 | 0.754962 | 0.2195719 | 3.4383 | 0.000595 | 0.995954594 | count | 1 |
| ZNF414 | 0.9104647 | 0.4065992 | 2.2392 | 0.0252 | 0.99648678 | count | 1 |
| PREPL | 0.9393778 | 0.3148421 | 2.9836 | 0.00288 | 0.996567334 | count | 1 |
| SELPLG | 0.7778525 | 0.1453544 | 5.3514 | 9.54E-08 | 0.996969678 | count | 0.002280728 |
| KANK2 | 1.258574 | 0.394523 | 3.1901 | 0.00144 | 0.996984433 | count | 1 |
| SYNE3 | 0.9788659 | 0.2659826 | 3.6802 | 0.000238 | 0.998553359 | count | 1 |
| HSPA4L | 2.2794458 | 0.9740702 | 2.3401 | 0.0194 | 0.999212697 | count | 1 |
| TREML4 | 2.2794458 | 0.8339961 | 2.7332 | 0.00632 | 0.999212697 | count | 1 |
| TAF5 | 1.0323034 | 0.3685612 | 2.8009 | 0.00514 | 1.000773691 | count | 1 |
| SEPSECS | 1.1308939 | 0.3811723 | 2.9669 | 0.00304 | 1.001377239 | count | 1 |
| CD69 | 0.7140088 | 0.1619584 | 4.4086 | 1.09E-05 | 1.001505653 | count | 0.2582646 |
| PSKH1 | 1.2648599 | 0.4841584 | 2.6125 | 0.00904 | 1.002233668 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|---------|----------|-------------|-------|-------------|
| CAPNS2 | 1.4367189 | 0.8057791 | 1.783 | 0.0747 | 1.002250038 | count | 1 |
| SH3TC1 | 0.7829999 | 0.1880509 | 4.1638 | 3.24E-05 | 1.003661835 | count | 0.7647048 |
| PSMA3-AS1 | 0.7487097 | 0.158748 | 4.7163 | 2.54E-06 | 1.005262334 | count | 0.0603885 |
| KAT2B | 0.8691592 | 0.4198987 | 2.0699 | 0.0386 | 1.006042207 | count | 1 |
| ATG16L2 | 0.7637158 | 0.1556044 | 4.9081 | 9.80E-07 | 1.006125651 | count | 0.02334458 |
| FOS | 0.6988844 | 0.0512621 | 13.6335 | 7.51E-41 | 1.007517252 | count | 1.83E-36 |
| FBXO42 | 0.9084315 | 0.3568504 | 2.5457 | 0.011 | 1.007929704 | count | 1 |
| AC145285.6 | 1.2310191 | 0.5854546 | 2.1027 | 0.0356 | 1.007958363 | count | 1 |
| PARD6B | 1.637896 | 0.8372648 | 1.9562 | 0.0505 | 1.008172463 | count | 1 |
| LINC02256 | 1.0008223 | 0.417625 | 2.3965 | 0.0166 | 1.009750959 | count | 1 |
| TPD52L1 | 1.78553 | 0.873738 | 2.0436 | 0.0411 | 1.010343805 | count | 1 |
| SESN1 | 0.7946333 | 0.1640769 | 4.8431 | 1.36E-06 | 1.010397799 | count | 0.03237616 |
| CDKN2A | 1.3224414 | 0.5842751 | 2.2634 | 0.0237 | 1.010428689 | count | 1 |
| RCCD1 | 1.3225016 | 0.5894815 | 2.2435 | 0.025 | 1.010477077 | count | 1 |
| SREBF2 | 1.0760239 | 0.3048159 | 3.5301 | 0.000423 | 1.010997263 | count | 1 |
| APOBEC3A | 0.7151821 | 0.1719362 | 4.1596 | 3.30E-05 | 1.01114513 | count | 0.778767 |
| MCEE | 0.8535367 | 0.253929 | 3.3613 | 0.000788 | 1.011819424 | count | 1 |
| MOCS3 | 1.2011256 | 0.5129032 | 2.3418 | 0.0193 | 1.012654422 | count | 1 |
| CLIP4 | 0.8574361 | 0.2385799 | 3.5939 | 0.000332 | 1.012823188 | count | 1 |
| ELOVL5 | 0.7758028 | 0.1558231 | 4.9787 | 6.84E-07 | 1.012888755 | count | 0.016301088 |
| AL355001.2 | 1.0791611 | 0.3577086 | 3.0169 | 0.00258 | 1.014079873 | count | 1 |
| GSAP | 0.8013412 | 0.2093053 | 3.8286 | 0.000132 | 1.014399366 | count | 1 |
| JADE1 | 0.8767997 | 0.2744494 | 3.1948 | 0.00142 | 1.015117435 | count | 1 |
| MNDA | 0.708079 | 0.0474252 | 14.9304 | 2.60E-48 | 1.017588073 | count | 6.32E-44 |
| AL451085.1 | 1.7990467 | 0.7993425 | 2.2507 | 0.0245 | 1.018061613 | count | 1 |
| FANCG | 1.284112 | 0.5292654 | 2.4262 | 0.0153 | 1.018299604 | count | 1 |
| PCMTD2 | 0.8427283 | 0.3145332 | 2.6793 | 0.00743 | 1.018391297 | count | 1 |
| PSMB10 | 0.7363242 | 0.1032088 | 7.1343 | 1.28E-12 | 1.018524797 | count | 3.09E-08 |
| TTC28 | 2.9630146 | 1.1092562 | 2.6712 | 0.00761 | 1.018586315 | count | 1 |
| MELTF | 1.1263232 | 0.5562999 | 2.0247 | 0.043 | 1.019759756 | count | 1 |
| TIMELESS | 1.656285 | 0.6073616 | 2.727 | 0.00644 | 1.01983178 | count | 1 |
| LINGO3 | 2.0086149 | 0.7586202 | 2.6477 | 0.00816 | 1.019871947 | count | 1 |
| CD101 | 1.1518683 | 0.4233468 | 2.7209 | 0.00656 | 1.020877119 | count | 1 |
| NPDC1 | 1.0530081 | 0.3670866 | 2.8686 | 0.00416 | 1.021725922 | count | 1 |
| ZFP36 | 0.7098621 | 0.0414323 | 17.1331 | 3.06E-62 | 1.021992445 | count | 7.44E-58 |
| RACGAP1 | 1.1070533 | 0.4770029 | 2.3209 | 0.0204 | 1.022183164 | count | 1 |
| CD244 | 1.0874968 | 0.3426966 | 3.1734 | 0.00153 | 1.022269888 | count | 1 |
| CETN2 | 0.797484 | 0.2114852 | 3.7709 | 0.000167 | 1.022494656 | count | 1 |
| GLCC11 | 1.0545427 | 0.3577151 | 2.948 | 0.00323 | 1.023278758 | count | 1 |
| CD200R1 | 1.1845204 | 0.3066569 | 3.8627 | 0.000115 | 1.025626547 | count | 1 |
| MAP1B | 1.3418685 | 0.7669034 | 1.7497 | 0.0803 | 1.026039714 | count | 1 |
| FADS1 | 0.7887091 | 0.2118457 | 3.723 | 0.000201 | 1.02703443 | count | 1 |
| RAI1 | 1.2182145 | 0.5299607 | 2.2987 | 0.0216 | 1.027797457 | count | 1 |
| TTY15 | 0.880509 | 0.2750488 | 3.2013 | 0.00139 | 1.028459827 | count | 1 |
| STON2 | 1.1602304 | 0.3997924 | 2.9021 | 0.00374 | 1.028648306 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| C15orf41 | 1.559922 | 0.7584452 | 2.0567 | 0.0398 | 1.028923118 | count | 1 |
| AC007032.1 | 0.7994759 | 0.1892156 | 4.2252 | 2.47E-05 | 1.028923803 | count | 0.5835622 |
| EGR2 | 0.7424082 | 0.1460161 | 5.0844 | 3.97E-07 | 1.029192709 | count | 0.009470038 |
| KDM6A | 1.0460354 | 0.33325 | 3.1389 | 0.00172 | 1.02971424 | count | 1 |
| ZNF436 | 2.3585458 | 0.8512441 | 2.7707 | 0.00564 | 1.029867675 | count | 1 |
| HOXB7 | 1.3468564 | 0.477331 | 2.8216 | 0.00482 | 1.030044151 | count | 1 |
| XXYL1 | 0.9985787 | 0.3134892 | 3.1854 | 0.00146 | 1.030858592 | count | 1 |
| CPPED1 | 0.7418551 | 0.0986253 | 7.522 | 7.53E-14 | 1.031217896 | count | 1.82E-09 |
| RNASEL | 0.9041131 | 0.3130581 | 2.888 | 0.00391 | 1.032490713 | count | 1 |
| ZDHHC8 | 1.0806374 | 0.3761799 | 2.8727 | 0.00411 | 1.033164717 | count | 1 |
| U62317.2 | 1.141195 | 0.4016443 | 2.8413 | 0.00453 | 1.033863761 | count | 1 |
| GRIP1 | 1.6806965 | 0.7760653 | 2.1657 | 0.0304 | 1.035250365 | count | 1 |
| HAL | 1.5694206 | 0.5076449 | 3.0916 | 0.00201 | 1.035418404 | count | 1 |
| ST7-AS1 | 1.263767 | 0.4697678 | 2.6902 | 0.00719 | 1.036161304 | count | 1 |
| DAPP1 | 0.7692524 | 0.139909 | 5.4982 | 4.23E-08 | 1.036354335 | count | 0.001012408 |
| SCN1B | 0.8028261 | 0.2331769 | 3.443 | 0.000585 | 1.038087312 | count | 1 |
| PTGFRN | 1.4859826 | 0.4424658 | 3.3584 | 0.000796 | 1.038226374 | count | 1 |
| OSGIN2 | 0.8457667 | 0.290099 | 2.9154 | 0.00358 | 1.038599941 | count | 1 |
| RSAD1 | 0.9354118 | 0.3003701 | 3.1142 | 0.00187 | 1.038788217 | count | 1 |
| AC093627.5 | 1.6867588 | 0.7648212 | 2.2054 | 0.0275 | 1.039068489 | count | 1 |
| TICAM2 | 1.5765157 | 0.6118173 | 2.5768 | 0.01 | 1.040263979 | count | 1 |
| FHIT | 0.9034234 | 0.3084264 | 2.9291 | 0.00343 | 1.041914053 | count | 1 |
| FRAT2 | 0.7663265 | 0.122314 | 6.2652 | 4.38E-10 | 1.042708393 | count | 1.05E-05 |
| RNF24 | 0.7931689 | 0.1800632 | 4.4049 | 1.10E-05 | 1.04293244 | count | 0.260623 |
| TNF | 0.7728524 | 0.1825443 | 4.2338 | 2.38E-05 | 1.043842038 | count | 0.5623464 |
| P2RY8 | 1.3155048 | 0.4665905 | 2.8194 | 0.00485 | 1.044456152 | count | 1 |
| ZNF33A | 0.7862736 | 0.1835857 | 4.2829 | 1.92E-05 | 1.044753767 | count | 0.4541184 |
| PTBP2 | 1.0356285 | 0.3367509 | 3.0754 | 0.00213 | 1.046273723 | count | 1 |
| MAGEH1 | 0.9367361 | 0.3093672 | 3.0279 | 0.00249 | 1.046914684 | count | 1 |
| ZNF117 | 0.9168848 | 0.238846 | 3.8388 | 0.000127 | 1.047473423 | count | 1 |
| ANO10 | 0.9858875 | 0.3047687 | 3.2349 | 0.00123 | 1.047673686 | count | 1 |
| EGFL7 | 0.7794519 | 0.1757871 | 4.4341 | 9.65E-06 | 1.047877401 | count | 0.2287436 |
| EIF4E3 | 0.949532 | 0.2661163 | 3.5681 | 0.000366 | 1.047948231 | count | 1 |
| ADAM15 | 0.8196767 | 0.1737953 | 4.7163 | 2.54E-06 | 1.048601181 | count | 0.0603885 |
| C20orf96 | 1.037983 | 0.4060252 | 2.5564 | 0.0106 | 1.048743962 | count | 1 |
| FGR | 0.7443506 | 0.0858327 | 8.6721 | 7.58E-18 | 1.048994134 | count | 1.84E-13 |
| CTLA4 | 1.5904326 | 0.537381 | 2.9596 | 0.00311 | 1.049753228 | count | 1 |
| ARHGAP45 | 0.7788613 | 0.1308019 | 5.9545 | 2.98E-09 | 1.050299632 | count | 7.15E-05 |
| CIP2A | 1.2804049 | 0.4700573 | 2.7239 | 0.0065 | 1.050471117 | count | 1 |
| MPEG1 | 0.7499001 | 0.0804239 | 9.3243 | 2.41E-20 | 1.050516992 | count | 5.84E-16 |
| ADGRE5 | 0.7627247 | 0.1018727 | 7.487 | 9.77E-14 | 1.050536145 | count | 2.36E-09 |
| STRADA | 0.997363 | 0.3290168 | 3.0313 | 0.00246 | 1.050570359 | count | 1 |
| ICA1 | 0.8461301 | 0.2518348 | 3.3599 | 0.000792 | 1.050818577 | count | 1 |
| EARS2 | 1.858809 | 0.8767815 | 2.12 | 0.0341 | 1.051889554 | count | 1 |
| VSTM1 | 1.504776 | 0.2864497 | 5.2532 | 1.62E-07 | 1.051895505 | count | 0.003870666 |

| | | | | | | | |
|--------------|-----------|-----------|---------|----------|-------------|-------|-------------|
| SIDT1 | 1.7079803 | 0.440988 | 3.8731 | 0.00011 | 1.052399104 | count | 1 |
| ABHD5 | 0.7553763 | 0.0984768 | 7.6706 | 2.45E-14 | 1.052582859 | count | 5.92E-10 |
| KRT8 | 1.435472 | 0.6471919 | 2.218 | 0.0266 | 1.053645035 | count | 1 |
| TTC39B | 1.1195538 | 0.4187999 | 2.6732 | 0.00756 | 1.053755646 | count | 1 |
| ROBO3 | 1.1018419 | 0.3665619 | 3.0059 | 0.00267 | 1.054313245 | count | 1 |
| SLC6A12 | 1.1881049 | 0.7027863 | 1.6906 | 0.091 | 1.054537853 | count | 1 |
| HOXB6 | 2.0837792 | 0.5460214 | 3.8163 | 0.000139 | 1.056295313 | count | 1 |
| MIGA2 | 1.5109276 | 0.6982682 | 2.1638 | 0.0306 | 1.056362854 | count | 1 |
| BST1 | 0.7629018 | 0.1090107 | 6.9984 | 3.33E-12 | 1.057741009 | count | 8.03E-08 |
| KANSL2 | 0.8711367 | 0.2831322 | 3.0768 | 0.00212 | 1.059415696 | count | 1 |
| ZNF546 | 1.7193198 | 0.8236226 | 2.0875 | 0.0369 | 1.059499269 | count | 1 |
| MBD6 | 0.851721 | 0.2162751 | 3.9381 | 8.44E-05 | 1.060069947 | count | 1 |
| MRC1 | 0.7455928 | 0.0804036 | 9.2731 | 3.84E-20 | 1.060458272 | count | 9.30E-16 |
| CCDC144A | 0.8444594 | 0.3420215 | 2.469 | 0.0136 | 1.060933927 | count | 1 |
| HAUS3 | 0.9920959 | 0.311791 | 3.1819 | 0.00148 | 1.063688386 | count | 1 |
| LILRA5 | 0.7778162 | 0.1183469 | 6.5723 | 6.03E-11 | 1.063929546 | count | 1.45E-06 |
| ZCCHC3 | 0.964337 | 0.3383159 | 2.8504 | 0.0044 | 1.064785155 | count | 1 |
| LINC01023 | 1.5227987 | 0.7171112 | 2.1235 | 0.0338 | 1.064973302 | count | 1 |
| CD55 | 0.7472263 | 0.0668869 | 11.1715 | 2.68E-28 | 1.066269293 | count | 6.51E-24 |
| FBXL20 | 0.9376968 | 0.2631159 | 3.5638 | 0.000372 | 1.066281455 | count | 1 |
| ZNF346 | 1.6164434 | 0.622386 | 2.5972 | 0.00946 | 1.067432478 | count | 1 |
| AC048341.2 | 1.6164434 | 0.6966101 | 2.3204 | 0.0204 | 1.067432478 | count | 1 |
| PPM1H | 2.107536 | 0.6692785 | 3.149 | 0.00166 | 1.067619903 | count | 1 |
| BTG2 | 0.7451396 | 0.0718378 | 10.3725 | 1.06E-24 | 1.06884884 | count | 2.57E-20 |
| AL158152.1 | 1.5289411 | 0.610053 | 2.5062 | 0.0123 | 1.069423148 | count | 1 |
| AC087190.1 | 0.9147519 | 0.2888062 | 3.1674 | 0.00156 | 1.069454535 | count | 1 |
| SUN2 | 0.8039473 | 0.1678202 | 4.7905 | 1.76E-06 | 1.071057307 | count | 0.04187568 |
| TRIM4 | 0.8475038 | 0.2127304 | 3.9839 | 6.98E-05 | 1.072060293 | count | 1 |
| ARMH1 | 0.9335754 | 0.3253005 | 2.8699 | 0.00414 | 1.072426524 | count | 1 |
| HIPK1-AS1 | 1.6250474 | 0.6284831 | 2.5857 | 0.00978 | 1.073263789 | count | 1 |
| UTP15 | 1.0886916 | 0.4048693 | 2.689 | 0.00722 | 1.073430412 | count | 1 |
| DENND1A | 0.9146972 | 0.2083923 | 4.3893 | 1.19E-05 | 1.073769753 | count | 0.2818634 |
| HACD4 | 0.7711585 | 0.102473 | 7.5255 | 7.33E-14 | 1.074307874 | count | 1.77E-09 |
| AC073352.2 | 0.9412236 | 0.4619111 | 2.0377 | 0.0417 | 1.076028274 | count | 1 |
| GABPB1-AS1 | 0.7924491 | 0.1748259 | 4.5328 | 6.10E-06 | 1.07676743 | count | 0.1447347 |
| INHBA-AS1 | 3.2535754 | 0.9659721 | 3.3682 | 0.000768 | 1.080183808 | count | 1 |
| SLC25A25-AS1 | 1.910005 | 0.6950483 | 2.748 | 0.00604 | 1.080464489 | count | 1 |
| AC087482.1 | 1.910005 | 1.0192552 | 1.8739 | 0.0611 | 1.080464489 | count | 1 |
| SFT2D3 | 0.9360809 | 0.3148929 | 2.9727 | 0.00298 | 1.080560214 | count | 1 |
| TMEM71 | 0.8932078 | 0.2050724 | 4.3556 | 1.38E-05 | 1.080694609 | count | 0.3266598 |
| GJB2 | 0.9453784 | 0.5132411 | 1.842 | 0.0656 | 1.080902964 | count | 1 |
| USP9Y | 1.2785216 | 0.4146537 | 3.0833 | 0.00207 | 1.081137732 | count | 1 |
| GTPBP1 | 0.8942656 | 0.2757287 | 3.2433 | 0.0012 | 1.082000408 | count | 1 |
| HCAR3 | 0.7872845 | 0.154314 | 5.1018 | 3.62E-07 | 1.082095273 | count | 0.008636596 |
| PNPLA2 | 0.8041102 | 0.1569588 | 5.1231 | 3.24E-07 | 1.0827664 | count | 0.007731936 |

| | | | | | | | |
|------------|-----------|-----------|---------|----------|-------------|-------|-------------|
| SSX2IP | 1.2486633 | 0.5181356 | 2.4099 | 0.016 | 1.083825672 | count | 1 |
| AC026979.2 | 1.1144985 | 0.3252263 | 3.4268 | 0.000621 | 1.083920097 | count | 1 |
| IGF1R | 1.0381272 | 0.4112973 | 2.524 | 0.0117 | 1.084389871 | count | 1 |
| RASGRP4 | 0.9697569 | 0.2787107 | 3.4794 | 0.000511 | 1.084897771 | count | 1 |
| APOL6 | 0.8076094 | 0.1477519 | 5.466 | 5.07E-08 | 1.085555708 | count | 0.001213251 |
| NEXN | 1.0122937 | 0.3600397 | 2.8116 | 0.00497 | 1.086052224 | count | 1 |
| ZNF467 | 0.8077732 | 0.1460059 | 5.5325 | 3.49E-08 | 1.086277306 | count | 0.000835576 |
| ARHGEF40 | 0.8667657 | 0.1870163 | 4.6347 | 3.76E-06 | 1.087458275 | count | 0.08931128 |
| PTCH2 | 1.224094 | 0.4598191 | 2.6621 | 0.00782 | 1.087922212 | count | 1 |
| SPN | 0.8430218 | 0.2207258 | 3.8193 | 0.000137 | 1.088297016 | count | 1 |
| GLDN | 1.9243683 | 1.18623 | 1.6223 | 0.105 | 1.088410976 | count | 1 |
| L3MBTL3 | 0.9306587 | 0.2583396 | 3.6025 | 0.000321 | 1.088500067 | count | 1 |
| RHOB | 0.764639 | 0.0651362 | 11.7391 | 5.34E-31 | 1.089578581 | count | 1.30E-26 |
| QSOX2 | 1.6494253 | 0.7309259 | 2.2566 | 0.0241 | 1.089738905 | count | 1 |
| MRPL30 | 0.9329708 | 0.2400271 | 3.8869 | 0.000104 | 1.091268445 | count | 1 |
| CARS2 | 0.825904 | 0.1741839 | 4.7416 | 2.24E-06 | 1.092147308 | count | 0.05326944 |
| FYN | 0.8394301 | 0.1809238 | 4.6397 | 3.67E-06 | 1.09284626 | count | 0.08718819 |
| AC025423.4 | 2.5392994 | 0.8853024 | 2.8683 | 0.00416 | 1.095956779 | count | 1 |
| CHERP | 0.9450285 | 0.2955689 | 3.1973 | 0.0014 | 1.096181252 | count | 1 |
| RYR1 | 1.1128836 | 0.4192406 | 2.6545 | 0.00799 | 1.098209184 | count | 1 |
| AC011899.2 | 0.9875228 | 0.3351527 | 2.9465 | 0.00324 | 1.098397506 | count | 1 |
| ZNF708 | 0.9391959 | 0.3159291 | 2.9728 | 0.00298 | 1.098722039 | count | 1 |
| TAP2 | 0.9011415 | 0.2740673 | 3.288 | 0.00102 | 1.099578236 | count | 1 |
| DGKD | 0.9062308 | 0.2047748 | 4.4255 | 1.00E-05 | 1.099907187 | count | 0.237 |
| LINC00987 | 1.9456781 | 0.7753305 | 2.5095 | 0.0122 | 1.100141643 | count | 1 |
| ANKRD13C | 1.0878293 | 0.352311 | 3.0877 | 0.00204 | 1.101026589 | count | 1 |
| TP53INP1 | 1.0030542 | 0.3745333 | 2.6781 | 0.00745 | 1.101131172 | count | 1 |
| HSPBAP1 | 0.8898122 | 0.2229024 | 3.9919 | 6.75E-05 | 1.101309671 | count | 1 |
| MSH5 | 2.181289 | 1.312691 | 1.6617 | 0.0967 | 1.102178091 | count | 1 |
| TNFAIP8L3 | 1.1176311 | 0.2745838 | 4.0703 | 4.84E-05 | 1.103070192 | count | 1 |
| AC067930.4 | 1.3040154 | 0.4563563 | 2.8574 | 0.00431 | 1.103629371 | count | 1 |
| AP003481.1 | 1.3041994 | 0.5371453 | 2.428 | 0.0153 | 1.103791531 | count | 1 |
| ZNF627 | 1.343035 | 0.5282887 | 2.5422 | 0.0111 | 1.104195542 | count | 1 |
| C5orf30 | 1.5017782 | 0.5694854 | 2.6371 | 0.00842 | 1.104234951 | count | 1 |
| RNPC3 | 0.8393347 | 0.2236788 | 3.7524 | 0.000179 | 1.105183502 | count | 1 |
| LDLR | 0.9943523 | 0.2026612 | 4.9065 | 9.88E-07 | 1.10620926 | count | 0.02353416 |
| TKT | 0.7719776 | 0.047954 | 16.0983 | 1.66E-55 | 1.106264244 | count | 4.04E-51 |
| JAK2 | 0.8835455 | 0.1632821 | 5.4112 | 6.87E-08 | 1.106810811 | count | 0.001643098 |
| AL357060.1 | 1.7965408 | 0.5111128 | 3.515 | 0.000448 | 1.107400005 | count | 1 |
| LYZ | 0.7684416 | 0.0491822 | 15.6244 | 1.56E-52 | 1.107999944 | count | 3.79E-48 |
| VENTX | 0.9491632 | 0.2694591 | 3.5225 | 0.000435 | 1.110656358 | count | 1 |
| AC016575.1 | 1.6814393 | 0.6611863 | 2.5431 | 0.011 | 1.111264662 | count | 1 |
| PLAG1 | 2.5840834 | 0.8687699 | 2.9744 | 0.00296 | 1.111452942 | count | 1 |
| LRRRC37A2 | 1.3521962 | 0.493464 | 2.7402 | 0.00618 | 1.112032596 | count | 1 |
| FAM118A | 0.8072251 | 0.1557961 | 5.1813 | 2.38E-07 | 1.112392357 | count | 0.005682964 |

| | | | | | | | |
|------------|-----------|-----------|---------|----------|-------------|-------|-------------|
| TRANK1 | 1.3141708 | 0.3944864 | 3.3313 | 0.000877 | 1.112577824 | count | 1 |
| CEP97 | 1.315039 | 0.4271102 | 3.0789 | 0.0021 | 1.113342552 | count | 1 |
| FLOT2 | 0.9800289 | 0.2465982 | 3.9742 | 7.27E-05 | 1.115719086 | count | 1 |
| KIAA1468 | 1.0309503 | 0.348372 | 2.9593 | 0.00311 | 1.115769831 | count | 1 |
| SNTA1 | 1.284112 | 0.6907258 | 1.8591 | 0.0631 | 1.115906312 | count | 1 |
| ECE1 | 1.2044917 | 0.3063434 | 3.9318 | 8.66E-05 | 1.116192815 | count | 1 |
| AC093635.1 | 1.4567539 | 0.6154515 | 2.367 | 0.018 | 1.117815204 | count | 1 |
| ATP11A | 0.890788 | 0.1914547 | 4.6527 | 3.45E-06 | 1.118087428 | count | 0.08197545 |
| SNAPC3 | 0.9326927 | 0.3565312 | 2.616 | 0.00895 | 1.119170909 | count | 1 |
| NCOA1 | 0.8505966 | 0.1463663 | 5.8114 | 7.00E-09 | 1.120170753 | count | 0.000167965 |
| NLRP3 | 0.8171364 | 0.1005054 | 8.1303 | 6.72E-16 | 1.120298818 | count | 1.63E-11 |
| AC012645.3 | 1.2091007 | 0.4331219 | 2.7916 | 0.00529 | 1.120631188 | count | 1 |
| TBX19 | 1.9838468 | 0.6546713 | 3.0303 | 0.00247 | 1.120972554 | count | 1 |
| IDH3A | 0.8824126 | 0.2370236 | 3.7229 | 0.000201 | 1.122095889 | count | 1 |
| MRPS27 | 0.9920118 | 0.3223849 | 3.0771 | 0.00211 | 1.123568904 | count | 1 |
| LINC00937 | 0.8757066 | 0.2076609 | 4.217 | 2.57E-05 | 1.125655225 | count | 0.6070854 |
| IGFBP6 | 1.3682875 | 0.4081303 | 3.3526 | 0.000813 | 1.125783442 | count | 1 |
| GOLGA8Q | 2.2358403 | 0.9870627 | 2.2651 | 0.0236 | 1.127134628 | count | 1 |
| CHST7 | 0.9801593 | 0.2819017 | 3.477 | 0.000516 | 1.127322478 | count | 1 |
| NBPF26 | 2.6419074 | 0.8453515 | 3.1252 | 0.0018 | 1.130935852 | count | 1 |
| KIF9-AS1 | 2.247452 | 0.8495899 | 2.6453 | 0.00821 | 1.132378462 | count | 1 |
| AP003680.1 | 2.247452 | 0.7610957 | 2.9529 | 0.00318 | 1.132378462 | count | 1 |
| C2orf40 | 1.4756367 | 0.7699335 | 1.9166 | 0.0554 | 1.132793623 | count | 1 |
| MOB3C | 0.980359 | 0.3138047 | 3.1241 | 0.0018 | 1.132959721 | count | 1 |
| RGS14 | 0.9191305 | 0.2394426 | 3.8386 | 0.000127 | 1.133103382 | count | 1 |
| PLXNA2 | 1.2463104 | 0.4215384 | 2.9566 | 0.00314 | 1.13334212 | count | 1 |
| QPCT | 0.8431877 | 0.151408 | 5.569 | 2.84E-08 | 1.13378193 | count | 0.000680265 |
| LIMD2 | 0.8054131 | 0.0769787 | 10.4628 | 4.29E-25 | 1.136841841 | count | 1.04E-20 |
| NR4A1 | 0.7955869 | 0.0726746 | 10.9473 | 2.90E-27 | 1.136960366 | count | 7.04E-23 |
| GK5 | 0.9680543 | 0.3146873 | 3.0762 | 0.00212 | 1.137885409 | count | 1 |
| AC084064.1 | 3.6042785 | 1.0572812 | 3.409 | 0.000663 | 1.139420531 | count | 1 |
| DGCR2 | 1.0705729 | 0.2949024 | 3.6303 | 0.000289 | 1.140705106 | count | 1 |
| AP000766.1 | 2.2673549 | 0.7544898 | 3.0051 | 0.00268 | 1.141310221 | count | 1 |
| LTB4R | 0.9159365 | 0.2184396 | 4.1931 | 2.85E-05 | 1.141394433 | count | 0.6729705 |
| LGALS2 | 0.8205544 | 0.1514456 | 5.4181 | 6.61E-08 | 1.143156345 | count | 0.001581046 |
| ZNF296 | 1.0648986 | 0.3120048 | 3.4131 | 0.000653 | 1.144278329 | count | 1 |
| STK38 | 0.8794172 | 0.2059512 | 4.27 | 2.03E-05 | 1.144406853 | count | 0.4800544 |
| PRAM1 | 0.8792073 | 0.1841586 | 4.7742 | 1.91E-06 | 1.145257819 | count | 0.0454389 |
| AP4E1 | 1.0574134 | 0.3656936 | 2.8915 | 0.00387 | 1.145270221 | count | 1 |
| FOXRED2 | 1.7330627 | 0.5681577 | 3.0503 | 0.00231 | 1.14569483 | count | 1 |
| SLC9A3R1 | 0.9502398 | 0.2202732 | 4.3139 | 1.67E-05 | 1.147727037 | count | 0.3951053 |
| CD1D | 0.8766122 | 0.1470001 | 5.9633 | 2.83E-09 | 1.149171417 | count | 6.80E-05 |
| PRR12 | 1.6402057 | 0.530601 | 3.0912 | 0.00202 | 1.14931996 | count | 1 |
| PLSCR4 | 2.0383947 | 0.8582764 | 2.375 | 0.0176 | 1.150325326 | count | 1 |
| SFRP4 | 2.0383947 | 1.0538632 | 1.9342 | 0.0532 | 1.150325326 | count | 1 |

| | | | | | | | |
|-------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| NAT9 | 0.9614056 | 0.2366097 | 4.0633 | 4.99E-05 | 1.150587972 | count | 1 |
| DUSP7 | 1.2649423 | 0.4263531 | 2.9669 | 0.00304 | 1.150922221 | count | 1 |
| ICAM2 | 0.8855351 | 0.149792 | 5.9118 | 3.86E-09 | 1.151305833 | count | 9.27E-05 |
| LINC00528 | 1.398772 | 0.5733818 | 2.4395 | 0.0148 | 1.151778881 | count | 1 |
| METTL27 | 1.092201 | 0.3758181 | 2.9062 | 0.00369 | 1.153896087 | count | 1 |
| ARHGAP5-AS1 | 1.5024176 | 0.5405278 | 2.7795 | 0.00549 | 1.153977118 | count | 1 |
| AL354707.1 | 1.5690148 | 0.8485747 | 1.849 | 0.0646 | 1.155089903 | count | 1 |
| NEMP1 | 1.4511918 | 0.4516171 | 3.2133 | 0.00133 | 1.156737784 | count | 1 |
| KANSL1L | 1.1057307 | 0.3102289 | 3.5642 | 0.000372 | 1.157387509 | count | 1 |
| EMC1 | 1.0066825 | 0.322425 | 3.1222 | 0.00182 | 1.158573311 | count | 1 |
| RUSC2 | 1.3315095 | 0.5266951 | 2.528 | 0.0115 | 1.158681412 | count | 1 |
| LINC00960 | 2.3076225 | 1.1077126 | 2.0832 | 0.0373 | 1.15915949 | count | 1 |
| ADGRB3 | 2.3076225 | 0.9714691 | 2.3754 | 0.0176 | 1.15915949 | count | 1 |
| WASHC1 | 0.8934984 | 0.1884961 | 4.7401 | 2.26E-06 | 1.159385217 | count | 0.05374054 |
| PROSER1 | 1.1582382 | 0.3837943 | 3.0179 | 0.00257 | 1.160149465 | count | 1 |
| ZNF487 | 0.9617156 | 0.3812639 | 2.5224 | 0.0117 | 1.161856573 | count | 1 |
| PLAC8 | 0.8818447 | 0.154863 | 5.6944 | 1.39E-08 | 1.162646566 | count | 0.000333308 |
| CCDC151 | 1.0102737 | 0.3281611 | 3.0786 | 0.0021 | 1.162804081 | count | 1 |
| INKA1 | 1.4586078 | 0.5717695 | 2.551 | 0.0108 | 1.162830105 | count | 1 |
| ARL4D | 1.1251543 | 0.3438342 | 3.2724 | 0.00108 | 1.166303052 | count | 1 |
| AC133550.2 | 1.765742 | 0.9035165 | 1.9543 | 0.0508 | 1.167299167 | count | 1 |
| AC110995.1 | 1.6667446 | 0.5864602 | 2.842 | 0.00452 | 1.168157527 | count | 1 |
| BICRAL | 1.2842724 | 0.3902996 | 3.2905 | 0.00101 | 1.169139719 | count | 1 |
| MAST3 | 1.1291748 | 0.3259457 | 3.4643 | 0.000541 | 1.170599453 | count | 1 |
| AC084871.2 | 1.901457 | 0.6576384 | 2.8913 | 0.00387 | 1.171094458 | count | 1 |
| AUTS2 | 1.5910983 | 0.5517372 | 2.8838 | 0.00396 | 1.171682331 | count | 1 |
| AC009961.1 | 1.3461757 | 0.6574973 | 2.0474 | 0.0407 | 1.17188587 | count | 1 |
| C17orf49 | 1.1330173 | 0.3235618 | 3.5017 | 0.000471 | 1.174705136 | count | 1 |
| FBNP1L | 1.4762833 | 0.518625 | 2.8465 | 0.00446 | 1.177329058 | count | 1 |
| PCSK6 | 1.321072 | 0.7345749 | 1.7984 | 0.0722 | 1.177553268 | count | 1 |
| GCNT1 | 1.0287765 | 0.2865913 | 3.5897 | 0.000338 | 1.178734946 | count | 1 |
| AC132872.1 | 1.323245 | 0.4889047 | 2.7065 | 0.00685 | 1.17955467 | count | 1 |
| TWIST2 | 2.800683 | 0.9690703 | 2.8901 | 0.00389 | 1.181366273 | count | 1 |
| AC069277.1 | 2.800683 | 0.9690703 | 2.8901 | 0.00389 | 1.181366273 | count | 1 |
| FBXL2 | 2.800683 | 0.8894891 | 3.1486 | 0.00166 | 1.181366273 | count | 1 |
| AC073349.1 | 2.800683 | 0.9690703 | 2.8901 | 0.00389 | 1.181366273 | count | 1 |
| AC084082.1 | 2.800683 | 0.9690703 | 2.8901 | 0.00389 | 1.181366273 | count | 1 |
| MESP2 | 2.800683 | 0.9690703 | 2.8901 | 0.00389 | 1.181366273 | count | 1 |
| ZNF607 | 2.800683 | 0.9690703 | 2.8901 | 0.00389 | 1.181366273 | count | 1 |
| DEPTOR | 1.1082312 | 0.2925574 | 3.7881 | 0.000155 | 1.182035073 | count | 1 |
| ZNF592 | 1.0382265 | 0.3243075 | 3.2014 | 0.00139 | 1.18366547 | count | 1 |
| IFT74 | 0.9173395 | 0.2296742 | 3.9941 | 6.69E-05 | 1.184132538 | count | 1 |
| KIAA1211L | 1.0152531 | 0.3423094 | 2.9659 | 0.00305 | 1.184787527 | count | 1 |
| LYST | 0.8512671 | 0.108455 | 7.849 | 6.21E-15 | 1.187032821 | count | 1.50E-10 |
| PEX5 | 1.3316421 | 0.3833725 | 3.4735 | 0.000523 | 1.187286311 | count | 1 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| LYPD3 | 1.2562794 | 0.4063483 | 3.0916 | 0.00201 | 1.187672296 | count | 1 |
| KCNQ1 | 0.9281657 | 0.1486931 | 6.2422 | 5.07E-10 | 1.189408484 | count | 1.22E-05 |
| CDH23 | 1.2389071 | 0.3770983 | 3.2854 | 0.00103 | 1.190690178 | count | 1 |
| AC002070.1 | 2.3977766 | 0.8338548 | 2.8755 | 0.00407 | 1.198023307 | count | 1 |
| AIM2 | 1.5031838 | 0.3260537 | 4.6102 | 4.23E-06 | 1.199333737 | count | 0.10045404 |
| AGTRAP | 0.8521582 | 0.086563 | 9.8444 | 1.88E-22 | 1.199461435 | count | 4.56E-18 |
| DLGAP3 | 1.1451764 | 0.3659873 | 3.129 | 0.00177 | 1.199926364 | count | 1 |
| RAB44 | 2.863548 | 1.0145737 | 2.8224 | 0.0048 | 1.200091352 | count | 1 |
| POU6F1 | 2.863548 | 1.0821904 | 2.6461 | 0.0082 | 1.200091352 | count | 1 |
| TLE6 | 2.863548 | 1.0821904 | 2.6461 | 0.0082 | 1.200091352 | count | 1 |
| AATBC | 1.7135258 | 0.4922625 | 3.4809 | 0.000508 | 1.20113236 | count | 1 |
| WDR17 | 1.379294 | 0.6853553 | 2.0125 | 0.0443 | 1.201642143 | count | 1 |
| OLIG1 | 1.5080932 | 0.4638957 | 3.2509 | 0.00117 | 1.203341365 | count | 1 |
| AC037459.3 | 2.4141698 | 0.806943 | 2.9917 | 0.0028 | 1.204923819 | count | 1 |
| SLC43A1 | 1.2740524 | 0.5234474 | 2.434 | 0.015 | 1.205013527 | count | 1 |
| SULT1A1 | 0.8762829 | 0.1108716 | 7.9036 | 4.06E-15 | 1.205394038 | count | 9.82E-11 |
| PATL2 | 1.636812 | 0.5033077 | 3.2521 | 0.00116 | 1.205838397 | count | 1 |
| ARMC2 | 1.3530657 | 0.4234692 | 3.1952 | 0.00142 | 1.206987776 | count | 1 |
| DTNA | 1.2200702 | 0.3131646 | 3.8959 | 1.00E-04 | 1.207766779 | count | 1 |
| DUSP6 | 0.8566308 | 0.0985679 | 8.6908 | 6.46E-18 | 1.208274127 | count | 1.56E-13 |
| VPS53 | 0.935638 | 0.2331776 | 4.0126 | 6.19E-05 | 1.210786977 | count | 1 |
| AC040162.1 | 1.328617 | 0.3828775 | 3.4701 | 0.000529 | 1.210839308 | count | 1 |
| STIM1 | 1.1177059 | 0.3456109 | 3.234 | 0.00124 | 1.212426755 | count | 1 |
| MAP3K1 | 0.9221087 | 0.1546769 | 5.9615 | 2.86E-09 | 1.213447868 | count | 6.87E-05 |
| MLLT11 | 1.1953375 | 0.3335724 | 3.5834 | 0.000346 | 1.21356897 | count | 1 |
| LILRB5 | 0.9640919 | 0.1631036 | 5.9109 | 3.88E-09 | 1.213708677 | count | 9.31E-05 |
| INTS3 | 1.1111069 | 0.310236 | 3.5815 | 0.000348 | 1.214329254 | count | 1 |
| CAMKK2 | 0.913742 | 0.1995705 | 4.5785 | 4.92E-06 | 1.215087844 | count | 0.11681556 |
| OBSL1 | 2.921448 | 1.1811404 | 2.4734 | 0.0135 | 1.216717882 | count | 1 |
| SPINT1-AS1 | 1.524824 | 0.706553 | 2.1581 | 0.031 | 1.216978698 | count | 1 |
| INTS6L | 1.2152958 | 0.3558932 | 3.4148 | 0.000649 | 1.219123433 | count | 1 |
| GAMT | 1.0698078 | 0.2977608 | 3.5928 | 0.000334 | 1.220514839 | count | 1 |
| PTDSS1 | 0.9713121 | 0.2300978 | 4.2213 | 2.52E-05 | 1.220758325 | count | 0.5952996 |
| MARK4 | 1.2344644 | 0.3735589 | 3.3046 | 0.000965 | 1.222440222 | count | 1 |
| ALDH1A1 | 0.9765145 | 0.1471813 | 6.6348 | 3.99E-11 | 1.2228668 | count | 9.61E-07 |
| APOL1 | 1.1201646 | 0.2767898 | 4.047 | 5.35E-05 | 1.224479742 | count | 1 |
| ZNF26 | 1.2940609 | 0.3814736 | 3.3923 | 0.000704 | 1.224511841 | count | 1 |
| DNASE1 | 2.4617209 | 0.745336 | 3.3028 | 0.000971 | 1.224645489 | count | 1 |
| AL359265.3 | 2.9693264 | 1.0541607 | 2.8168 | 0.00489 | 1.230021501 | count | 1 |
| C15orf65 | 2.9693264 | 1.115671 | 2.6615 | 0.00783 | 1.230021501 | count | 1 |
| PSTPIP1 | 0.9110878 | 0.1275638 | 7.1422 | 1.21E-12 | 1.230593539 | count | 2.92E-08 |
| TNFSF10 | 0.8687016 | 0.105734 | 8.2159 | 3.37E-16 | 1.230953049 | count | 8.15E-12 |
| KCNE1 | 0.9980117 | 0.3033229 | 3.2903 | 0.00102 | 1.232044033 | count | 1 |
| CLDN12 | 2.198335 | 0.8432658 | 2.6069 | 0.00919 | 1.233350597 | count | 1 |
| IL17RA | 0.9135285 | 0.1658026 | 5.5097 | 3.97E-08 | 1.233913541 | count | 0.000950259 |

| | | | | | | | |
|-------------|-----------|-----------|---------|----------|-------------|-------|-------------|
| SLC9A3R2 | 1.4169572 | 0.4170462 | 3.3976 | 0.000691 | 1.235368225 | count | 1 |
| AC015802.6 | 1.7633467 | 0.5631748 | 3.1311 | 0.00176 | 1.235903676 | count | 1 |
| WWP1 | 0.9144012 | 0.1603457 | 5.7027 | 1.32E-08 | 1.23609411 | count | 0.000316576 |
| VNN1 | 1.029383 | 0.3062422 | 3.3613 | 0.000788 | 1.2375504 | count | 1 |
| IRS2 | 0.9386498 | 0.1186221 | 7.9129 | 3.77E-15 | 1.241910752 | count | 9.11E-11 |
| ZNF197 | 1.5571271 | 0.4156337 | 3.7464 | 0.000184 | 1.243218106 | count | 1 |
| AL121944.1 | 1.0662674 | 0.3487057 | 3.0578 | 0.00225 | 1.245593454 | count | 1 |
| ITM2C | 1.012051 | 0.2386489 | 4.2408 | 2.31E-05 | 1.246732826 | count | 0.5458761 |
| CCL8 | 0.8746723 | 0.1981212 | 4.4148 | 1.05E-05 | 1.246828893 | count | 0.248829 |
| CCDC144NL | 1.280227 | 0.3649107 | 3.5083 | 0.000459 | 1.250912692 | count | 1 |
| PTX3 | 0.9041965 | 0.230777 | 3.9181 | 9.17E-05 | 1.255133993 | count | 1 |
| WDR49 | 3.0726595 | 1.1886592 | 2.585 | 0.0098 | 1.257378231 | count | 1 |
| GATAD2B | 1.0559511 | 0.2209173 | 4.7798 | 1.86E-06 | 1.257422421 | count | 0.04425126 |
| TSC22D3 | 0.8879633 | 0.0643959 | 13.7891 | 1.02E-41 | 1.258376213 | count | 2.48E-37 |
| UNC13D | 1.031647 | 0.2845039 | 3.6261 | 0.000294 | 1.258512831 | count | 1 |
| NFIX | 1.1782118 | 0.4061562 | 2.9009 | 0.00375 | 1.258718282 | count | 1 |
| AC008267.5 | 1.2882032 | 0.4326943 | 2.9772 | 0.00294 | 1.258912768 | count | 1 |
| CRISPLD2 | 1.4112017 | 0.3594796 | 3.9257 | 8.89E-05 | 1.260258612 | count | 1 |
| NAV2 | 1.7122073 | 0.4150552 | 4.1253 | 3.83E-05 | 1.261557094 | count | 0.9033055 |
| ITGAM | 0.9223956 | 0.1477153 | 6.2444 | 5.00E-10 | 1.266655742 | count | 1.20E-05 |
| RBKS | 1.0298905 | 0.265315 | 3.8818 | 0.000106 | 1.269050848 | count | 1 |
| CABLES1 | 1.9232134 | 0.5522814 | 3.4823 | 0.000506 | 1.269077287 | count | 1 |
| TEP1 | 1.3644635 | 0.3066197 | 4.45 | 8.97E-06 | 1.269518847 | count | 0.21266973 |
| DNAJC27-AS1 | 1.9243683 | 0.6452832 | 2.9822 | 0.00289 | 1.269808335 | count | 1 |
| DHX16 | 0.9758457 | 0.2720757 | 3.5867 | 0.000341 | 1.270089951 | count | 1 |
| KCNE3 | 0.991257 | 0.1798584 | 5.5113 | 3.93E-08 | 1.271286684 | count | 0.000940724 |
| TNFSF18 | 1.6531397 | 0.6794652 | 2.433 | 0.015 | 1.271664992 | count | 1 |
| MRVI1 | 1.4271647 | 0.4070441 | 3.5062 | 0.000463 | 1.274831766 | count | 1 |
| RGMB | 2.2848678 | 0.7230662 | 3.16 | 0.0016 | 1.276243287 | count | 1 |
| RCS1 | 0.9463752 | 0.1009948 | 9.3705 | 1.58E-20 | 1.277008154 | count | 3.83E-16 |
| NLRP1 | 0.9615572 | 0.1984468 | 4.8454 | 1.34E-06 | 1.279228648 | count | 0.03190272 |
| NLRP12 | 1.2083142 | 0.3319355 | 3.6402 | 0.000278 | 1.280071087 | count | 1 |
| AC064805.1 | 1.5101658 | 0.5622466 | 2.6859 | 0.00728 | 1.283635024 | count | 1 |
| CDK7 | 1.2956907 | 0.3501981 | 3.6999 | 0.00022 | 1.284715294 | count | 1 |
| HSPG2 | 1.671013 | 0.7709987 | 2.1673 | 0.0303 | 1.285424328 | count | 1 |
| C17orf107 | 1.0036184 | 0.2201518 | 4.5588 | 5.40E-06 | 1.285620909 | count | 0.1281744 |
| APCDD1 | 3.1879088 | 1.1075954 | 2.8782 | 0.00403 | 1.28575114 | count | 1 |
| EXOC3L1 | 2.6167045 | 0.7819235 | 3.3465 | 0.000831 | 1.28583213 | count | 1 |
| ATP6AP1L | 3.1918479 | 1.221527 | 2.613 | 0.00903 | 1.286681899 | count | 1 |
| AK1 | 2.100954 | 0.6857788 | 3.0636 | 0.00221 | 1.287090201 | count | 1 |
| AL360012.1 | 1.8379658 | 0.4948502 | 3.7142 | 0.000208 | 1.287256601 | count | 1 |
| CTDSPL | 1.3836066 | 0.3575784 | 3.8694 | 0.000112 | 1.287740682 | count | 1 |
| AC093677.2 | 1.9564527 | 1.1279263 | 1.7346 | 0.0829 | 1.290021603 | count | 1 |
| NRGN | 0.9468935 | 0.1565918 | 6.0469 | 1.70E-09 | 1.291354714 | count | 4.08E-05 |
| AC079630.1 | 1.6193755 | 0.3924319 | 4.1265 | 3.81E-05 | 1.293414882 | count | 0.8986266 |

| | | | | | | | |
|------------|------------|-------------|---------|----------|-------------|-------|-------------|
| CDKL5 | 1.366421 | 0.4344297 | 3.1453 | 0.00168 | 1.294782638 | count | 1 |
| ULK1 | 1.201399 | 0.3022594 | 3.9747 | 7.25E-05 | 1.295023782 | count | 1 |
| AC008759.3 | 3.2343073 | 1.2295619 | 2.6305 | 0.00858 | 1.296553539 | count | 1 |
| AC009812.1 | 2.3272928 | 0.8321498 | 2.7967 | 0.0052 | 1.296724739 | count | 1 |
| AC087239.1 | 1.1863275 | 0.2889992 | 4.105 | 4.18E-05 | 1.298531949 | count | 0.9852678 |
| AC093495.1 | 2.1225421 | 1.0081009 | 2.1055 | 0.0354 | 1.299197333 | count | 1 |
| NBL1 | 1.2940556 | 0.4047788 | 3.1969 | 0.00141 | 1.300240544 | count | 1 |
| AC021188.1 | 19.641114 | 1738.531958 | 0.0113 | 0.991 | 1.304854494 | count | 1 |
| STK24-AS1 | 18.7620173 | 1072.223078 | 0.0175 | 0.986 | 1.304854571 | count | 1 |
| ETV1 | 18.8111616 | 917.287194 | 0.0205 | 0.984 | 1.304854572 | count | 1 |
| ZNF845 | 18.8111616 | 917.2871985 | 0.0205 | 0.984 | 1.304854572 | count | 1 |
| BMPR1A | 18.9693158 | 931.3556514 | 0.0204 | 0.984 | 1.304854574 | count | 1 |
| OVGP1 | 18.9955792 | 1008.526166 | 0.0188 | 0.985 | 1.304854574 | count | 1 |
| PEAR1 | 19.5439008 | 1306.594202 | 0.015 | 0.988 | 1.304854579 | count | 1 |
| LYG2 | 19.5439008 | 1306.59422 | 0.015 | 0.988 | 1.304854579 | count | 1 |
| AL138895.1 | 19.5439008 | 1306.59422 | 0.015 | 0.988 | 1.304854579 | count | 1 |
| NANOG | 19.5439008 | 1306.59422 | 0.015 | 0.988 | 1.304854579 | count | 1 |
| ANKS1B | 19.5439008 | 1306.59422 | 0.015 | 0.988 | 1.304854579 | count | 1 |
| MMRN1 | 19.5439009 | 1306.594232 | 0.015 | 0.988 | 1.304854579 | count | 1 |
| NIPAL4 | 19.5439009 | 1306.594244 | 0.015 | 0.988 | 1.304854579 | count | 1 |
| FKBP1C | 19.5439009 | 1306.594236 | 0.015 | 0.988 | 1.304854579 | count | 1 |
| AC025034.1 | 19.5439009 | 1306.594244 | 0.015 | 0.988 | 1.304854579 | count | 1 |
| FAM209A | 19.5439009 | 1306.594244 | 0.015 | 0.988 | 1.304854579 | count | 1 |
| PKD1L3 | 19.6400881 | 1490.389196 | 0.0132 | 0.9895 | 1.30485458 | count | 1 |
| AL590648.3 | 19.6411142 | 1738.532008 | 0.0113 | 0.991 | 1.30485458 | count | 1 |
| AL450306.1 | 19.6411141 | 1738.531947 | 0.0113 | 0.991 | 1.30485458 | count | 1 |
| TVP23C | 19.641114 | 1738.53193 | 0.0113 | 0.991 | 1.30485458 | count | 1 |
| TMEM221 | 19.6411142 | 1738.531947 | 0.0113 | 0.991 | 1.30485458 | count | 1 |
| AC022762.2 | 19.6877804 | 1474.522805 | 0.0134 | 0.989 | 1.30485458 | count | 1 |
| ALDH5A1 | 20.5425082 | 1601.337881 | 0.0128 | 0.99 | 1.304854583 | count | 1 |
| KIAA0319L | 1.0544221 | 0.2458844 | 4.2883 | 1.87E-05 | 1.305700687 | count | 0.4423111 |
| NYNRIN | 1.4625919 | 0.4812151 | 3.0394 | 0.0024 | 1.307082671 | count | 1 |
| KIAA0513 | 1.0585 | 0.2576102 | 4.1089 | 4.11E-05 | 1.307866712 | count | 0.9688914 |
| VNN3 | 2.1432755 | 0.5830793 | 3.6758 | 0.000242 | 1.310738491 | count | 1 |
| SAMD4A | 1.2540602 | 0.2990684 | 4.1932 | 2.85E-05 | 1.317003705 | count | 0.6729705 |
| PARP10 | 1.1475019 | 0.2707398 | 4.2384 | 2.33E-05 | 1.317791365 | count | 0.550579 |
| CDYL2 | 2.3726003 | 0.7905038 | 3.0014 | 0.00271 | 1.318189565 | count | 1 |
| LILRA1 | 0.9759701 | 0.1594252 | 6.1218 | 1.07E-09 | 1.318842372 | count | 2.57E-05 |
| ZNF585A | 2.0028646 | 0.6019582 | 3.3272 | 0.00089 | 1.318924967 | count | 1 |
| RAB37 | 2.1613105 | 0.6191315 | 3.4909 | 0.00049 | 1.320707355 | count | 1 |
| TEC | 1.2461308 | 0.3257813 | 3.8251 | 0.000134 | 1.32102999 | count | 1 |
| EMP1 | 0.9420169 | 0.1563847 | 6.0237 | 1.96E-09 | 1.322480225 | count | 4.71E-05 |
| AL450311.2 | 2.0116787 | 0.9060727 | 2.2202 | 0.0265 | 1.324367874 | count | 1 |
| CSTA | 0.9315963 | 0.0667151 | 13.9638 | 1.07E-42 | 1.324961565 | count | 2.60E-38 |
| CD209 | 1.156022 | 0.2232774 | 5.1775 | 2.43E-07 | 1.327753115 | count | 0.005801625 |

| | | | | | | | |
|------------|-----------|-----------|---------|----------|-------------|-------|-------------|
| GIMAP8 | 1.0862967 | 0.1965501 | 5.5268 | 3.61E-08 | 1.32971234 | count | 0.000864234 |
| LINC00877 | 1.2156561 | 0.2597988 | 4.6792 | 3.04E-06 | 1.331294616 | count | 0.07225472 |
| NRM | 1.0569392 | 0.2776751 | 3.8064 | 0.000144 | 1.334501678 | count | 1 |
| C16orf54 | 1.0137177 | 0.1982888 | 5.1123 | 3.43E-07 | 1.335169518 | count | 0.00818398 |
| PGBD2 | 1.364726 | 0.3925995 | 3.4761 | 0.000518 | 1.335421729 | count | 1 |
| RARRES3 | 0.9774075 | 0.1141311 | 8.5639 | 1.90E-17 | 1.336967963 | count | 4.60E-13 |
| NRBP2 | 1.6751864 | 0.5332479 | 3.1415 | 0.0017 | 1.337969642 | count | 1 |
| MROH8 | 2.0350165 | 0.7266144 | 2.8007 | 0.00514 | 1.338706778 | count | 1 |
| KLF2 | 0.9365665 | 0.0864133 | 10.8382 | 9.08E-27 | 1.341696085 | count | 2.20E-22 |
| ITGAL | 1.0917527 | 0.2043603 | 5.3423 | 1.00E-07 | 1.343184851 | count | 0.0023903 |
| LIF | 1.442538 | 0.4342607 | 3.3218 | 0.000907 | 1.343619854 | count | 1 |
| COLEC12 | 1.0398194 | 0.1838152 | 5.6569 | 1.72E-08 | 1.344107638 | count | 0.000412284 |
| CCL23 | 1.475108 | 0.4247479 | 3.4729 | 0.000524 | 1.347420884 | count | 1 |
| ZNF783 | 1.6908038 | 0.5791421 | 2.9195 | 0.00354 | 1.350354994 | count | 1 |
| GIMAP7 | 0.9830907 | 0.1242329 | 7.9133 | 3.76E-15 | 1.351927228 | count | 9.09E-11 |
| LRRK1 | 1.0996713 | 0.2341481 | 4.6965 | 2.79E-06 | 1.353057342 | count | 0.0663183 |
| C9orf47 | 2.222336 | 0.5860262 | 3.7922 | 0.000153 | 1.353945426 | count | 1 |
| ADAP1 | 1.1044441 | 0.1928757 | 5.7262 | 1.15E-08 | 1.355669871 | count | 0.000275839 |
| TMEM170B | 1.0464304 | 0.1697177 | 6.1657 | 8.18E-10 | 1.358699728 | count | 1.97E-05 |
| AL161457.2 | 1.9441971 | 0.7290474 | 2.6668 | 0.00771 | 1.358711782 | count | 1 |
| CDKN2D | 0.9825776 | 0.1175474 | 8.359 | 1.05E-16 | 1.362015175 | count | 2.54E-12 |
| ZNF532 | 1.2857392 | 0.4014602 | 3.2027 | 0.00138 | 1.36383571 | count | 1 |
| CLEC12A | 0.9949858 | 0.0944573 | 10.5337 | 2.09E-25 | 1.363935262 | count | 5.07E-21 |
| ESYT2 | 1.0339199 | 0.2249297 | 4.5966 | 4.51E-06 | 1.366138855 | count | 0.10708995 |
| CSF3R | 0.9764305 | 0.1082084 | 9.0236 | 3.58E-19 | 1.372999395 | count | 8.67E-15 |
| ATF7IP | 1.0407443 | 0.1645562 | 6.3246 | 3.01E-10 | 1.375226226 | count | 7.24E-06 |
| FAM117B | 1.4064798 | 0.3501737 | 4.0165 | 6.08E-05 | 1.376957565 | count | 1 |
| CLEC4E | 0.9864555 | 0.0893599 | 11.0391 | 1.10E-27 | 1.377808988 | count | 2.67E-23 |
| NPPA-AS1 | 2.2742489 | 0.7308302 | 3.1119 | 0.00188 | 1.381605487 | count | 1 |
| TWISTNB | 0.9821644 | 0.1530445 | 6.4175 | 1.66E-10 | 1.382718462 | count | 4.00E-06 |
| AC006942.1 | 2.1104642 | 0.6063233 | 3.4808 | 0.000509 | 1.384319283 | count | 1 |
| TSPAN32 | 1.3051852 | 0.2773511 | 4.7059 | 2.67E-06 | 1.384811985 | count | 0.06347124 |
| GPBAR1 | 1.1150671 | 0.1855703 | 6.0089 | 2.15E-09 | 1.384816064 | count | 5.16E-05 |
| GNG2 | 1.062797 | 0.1538053 | 6.91 | 6.15E-12 | 1.388400814 | count | 1.48E-07 |
| ATRIP | 1.4922783 | 0.6032057 | 2.4739 | 0.0134 | 1.390500923 | count | 1 |
| HDAC9 | 1.0685894 | 0.1889265 | 5.6561 | 1.73E-08 | 1.397327186 | count | 0.000414664 |
| PLCXD1 | 1.1863188 | 0.3511508 | 3.3784 | 0.000741 | 1.399696558 | count | 1 |
| LRRC69 | 2.1452636 | 0.8113399 | 2.6441 | 0.00824 | 1.404962587 | count | 1 |
| CDA | 1.0383842 | 0.200049 | 5.1906 | 2.27E-07 | 1.405367099 | count | 0.005420987 |
| TYK2 | 1.2359291 | 0.2969976 | 4.1614 | 3.27E-05 | 1.406302208 | count | 0.7717527 |
| TMEM88 | 1.9168273 | 0.5501735 | 3.484 | 0.000503 | 1.408217326 | count | 1 |
| LINC01001 | 1.7106976 | 0.4343377 | 3.9386 | 8.42E-05 | 1.411959935 | count | 1 |
| FCHSD1 | 1.3623975 | 0.4188853 | 3.2524 | 0.00116 | 1.418412038 | count | 1 |
| INVS | 1.671536 | 0.4977698 | 3.3581 | 0.000797 | 1.421211263 | count | 1 |
| FSCN1 | 1.160555 | 0.2366133 | 4.9049 | 9.96E-07 | 1.421813632 | count | 0.023722728 |

| | | | | | | | |
|------------|-----------|-----------|--------|----------|-------------|-------|-------------|
| MAN2A2 | 1.4346516 | 0.2646114 | 5.4217 | 6.48E-08 | 1.424973882 | count | 0.00155021 |
| EXT1 | 1.369675 | 0.3976752 | 3.4442 | 0.000582 | 1.426083138 | count | 1 |
| EIF3J-DT | 1.1801657 | 0.3081245 | 3.8302 | 0.000131 | 1.426149182 | count | 1 |
| TCF20 | 1.3212458 | 0.4355579 | 3.0335 | 0.00244 | 1.426613362 | count | 1 |
| RFXAP | 1.418758 | 0.4063091 | 3.4918 | 0.000488 | 1.427721142 | count | 1 |
| HIST2H2AB | 2.050494 | 1.041888 | 1.9681 | 0.0492 | 1.428062753 | count | 1 |
| AC034236.2 | 2.050494 | 0.9105335 | 2.252 | 0.0244 | 1.428062753 | count | 1 |
| AC087623.3 | 1.562909 | 0.681727 | 2.2926 | 0.022 | 1.428175249 | count | 1 |
| GLT1D1 | 1.3765007 | 0.3422693 | 4.0217 | 5.95E-05 | 1.433273639 | count | 1 |
| SHF | 2.05887 | 0.8396041 | 2.4522 | 0.0143 | 1.433429917 | count | 1 |
| TSPAN7 | 3.088365 | 0.8196954 | 3.7677 | 0.000169 | 1.442490991 | count | 1 |
| PLAT | 2.6609832 | 0.8505095 | 3.1287 | 0.00178 | 1.444557211 | count | 1 |
| AC093462.1 | 2.6609832 | 0.9579936 | 2.7777 | 0.00552 | 1.444557211 | count | 1 |
| F5 | 1.2154821 | 0.3097504 | 3.9241 | 8.95E-05 | 1.445323104 | count | 1 |
| MZF1-AS1 | 1.4190395 | 0.4295681 | 3.3034 | 0.000969 | 1.445628238 | count | 1 |
| CCL17 | 2.216321 | 0.722285 | 3.0685 | 0.00218 | 1.446309317 | count | 1 |
| RHBDF1 | 1.702071 | 1.0380211 | 1.6397 | 0.101 | 1.446818185 | count | 1 |
| SMARCD3 | 1.193974 | 0.2188808 | 5.4549 | 5.39E-08 | 1.455490429 | count | 0.001289719 |
| PDGFC | 1.1799143 | 0.1964481 | 6.0062 | 2.18E-09 | 1.469320002 | count | 5.24E-05 |
| NOTCH2NL | 1.3864716 | 0.3563078 | 3.8912 | 0.000102 | 1.472169736 | count | 1 |
| CPSF7 | 1.1954789 | 0.2678329 | 4.4635 | 8.43E-06 | 1.472342685 | count | 0.19990902 |
| SLITRK4 | 1.4827087 | 0.3898835 | 3.803 | 0.000146 | 1.473038533 | count | 1 |
| CENPA | 3.213349 | 1.130143 | 2.8433 | 0.0045 | 1.476736963 | count | 1 |
| ST7 | 1.4198944 | 0.3927411 | 3.6153 | 0.000306 | 1.478883678 | count | 1 |
| LPAR2 | 1.31861 | 0.3576196 | 3.6872 | 0.000232 | 1.484554566 | count | 1 |
| PDE9A | 2.7644835 | 0.7802309 | 3.5432 | 0.000403 | 1.485482065 | count | 1 |
| NFAM1 | 1.1402963 | 0.181151 | 6.2947 | 3.64E-10 | 1.489024262 | count | 8.76E-06 |
| SFMBT2 | 1.2893796 | 0.3574931 | 3.6067 | 0.000316 | 1.490420151 | count | 1 |
| ARHGAP17 | 1.1608761 | 0.2072115 | 5.6024 | 2.35E-08 | 1.494880677 | count | 0.000563013 |
| WLS | 1.1406074 | 0.1779512 | 6.4097 | 1.74E-10 | 1.498742748 | count | 4.19E-06 |
| CRY2 | 1.334615 | 0.3824617 | 3.4895 | 0.000492 | 1.50273833 | count | 1 |
| CCDC96 | 2.1693521 | 0.5886981 | 3.685 | 0.000234 | 1.502817998 | count | 1 |
| TFAP2C | 2.8350539 | 0.622127 | 4.557 | 5.44E-06 | 1.512035791 | count | 0.12911296 |
| VNN2 | 1.303659 | 0.229714 | 5.6751 | 1.55E-08 | 1.514087317 | count | 0.000371551 |
| FCAR | 1.1637459 | 0.2144747 | 5.426 | 6.33E-08 | 1.516903354 | count | 0.001514389 |
| AC245128.3 | 1.1212654 | 0.1673644 | 6.6995 | 2.58E-11 | 1.52038726 | count | 6.22E-07 |
| LRRK2 | 1.1824077 | 0.1630074 | 7.2537 | 5.41E-13 | 1.520897343 | count | 1.31E-08 |
| AC020916.1 | 1.0765453 | 0.1286864 | 8.3657 | 9.90E-17 | 1.523013981 | count | 2.40E-12 |
| COQ7 | 1.2368814 | 0.2207186 | 5.6039 | 2.33E-08 | 1.523776209 | count | 0.000558245 |
| IGF2BP3 | 3.420262 | 1.4192335 | 2.4099 | 0.016 | 1.527212094 | count | 1 |
| AC011444.2 | 1.999021 | 0.6780431 | 2.9482 | 0.00323 | 1.528381438 | count | 1 |
| HP | 1.9249737 | 0.4975057 | 3.8692 | 0.000112 | 1.531076289 | count | 1 |
| ICAM3 | 1.123451 | 0.1181127 | 9.5117 | 4.31E-21 | 1.531077589 | count | 1.04E-16 |
| TCFL5 | 1.6162375 | 0.6675161 | 2.4213 | 0.0155 | 1.533282942 | count | 1 |
| SETBP1 | 1.8636135 | 0.6464379 | 2.8829 | 0.00397 | 1.534204506 | count | 1 |

| | | | | | | | |
|------------|------------|-------------|---------|----------|-------------|-------|-------------|
| FXVD6 | 1.2916393 | 0.2288428 | 5.6442 | 1.85E-08 | 1.536762654 | count | 0.000443353 |
| JARID2-AS1 | 1.8169294 | 0.5532367 | 3.2842 | 0.00104 | 1.541727059 | count | 1 |
| TP53INP2 | 1.7705958 | 0.4242825 | 4.1732 | 3.11E-05 | 1.543660378 | count | 0.7341155 |
| NACC2 | 1.3514587 | 0.3046032 | 4.4368 | 9.53E-06 | 1.547359472 | count | 0.22591818 |
| AGK | 1.4399888 | 0.3654825 | 3.94 | 8.38E-05 | 1.555887295 | count | 1 |
| FCN1 | 1.0876625 | 0.0659892 | 16.4824 | 5.74E-58 | 1.56433071 | count | 1.40E-53 |
| PTPN20 | 19.9089016 | 1450.810584 | 0.0137 | 0.9891 | 1.565979327 | count | 1 |
| AC114811.2 | 19.832348 | 1191.443737 | 0.0166 | 0.987 | 1.565979422 | count | 1 |
| DLX6-AS1 | 19.832348 | 1191.443755 | 0.0166 | 0.987 | 1.565979422 | count | 1 |
| CCDC194 | 19.832348 | 1191.443737 | 0.0166 | 0.987 | 1.565979422 | count | 1 |
| AC008649.1 | 19.8323481 | 1191.443763 | 0.0166 | 0.987 | 1.565979422 | count | 1 |
| AC079834.2 | 19.8336562 | 1510.289992 | 0.0131 | 0.99 | 1.565979422 | count | 1 |
| GADL1 | 19.8336562 | 1510.289992 | 0.0131 | 0.99 | 1.565979422 | count | 1 |
| SERPINI2 | 19.8336562 | 1510.289992 | 0.0131 | 0.99 | 1.565979422 | count | 1 |
| AC004771.5 | 19.8336562 | 1510.289992 | 0.0131 | 0.99 | 1.565979422 | count | 1 |
| TSPAN5 | 1.9060016 | 0.6797819 | 2.8038 | 0.00509 | 1.567314141 | count | 1 |
| AL135791.1 | 1.723724 | 0.6329402 | 2.7234 | 0.00651 | 1.57328023 | count | 1 |
| HRH1 | 1.3091056 | 0.2143742 | 6.1066 | 1.18E-09 | 1.573597354 | count | 2.84E-05 |
| TMEM94 | 1.4516761 | 0.3520457 | 4.1235 | 3.85E-05 | 1.580946929 | count | 0.907984 |
| AC009630.2 | 2.4631526 | 0.9628673 | 2.5581 | 0.0106 | 1.581030671 | count | 1 |
| CCDC157 | 2.695846 | 0.7524217 | 3.5829 | 0.000346 | 1.583857038 | count | 1 |
| ENHO | 1.6234918 | 0.5252066 | 3.0911 | 0.00202 | 1.589673453 | count | 1 |
| PLCB1 | 1.5468435 | 0.3596261 | 4.3013 | 1.76E-05 | 1.59410915 | count | 0.4163456 |
| AC020911.2 | 1.6821196 | 0.4775023 | 3.5227 | 0.000435 | 1.5947897 | count | 1 |
| AC245014.3 | 1.1932945 | 0.1874893 | 6.3646 | 2.33E-10 | 1.595237162 | count | 5.61E-06 |
| AL592183.1 | 1.6372323 | 0.3849656 | 4.2529 | 2.19E-05 | 1.602928757 | count | 0.517716 |
| NFIB | 2.209022 | 0.889859 | 2.4824 | 0.0131 | 1.603374045 | count | 1 |
| RNF150 | 1.6976141 | 0.4157066 | 4.0837 | 4.57E-05 | 1.609154319 | count | 1 |
| HSH2D | 1.4385097 | 0.2852425 | 5.0431 | 4.92E-07 | 1.610450444 | count | 0.011731248 |
| AL356020.1 | 2.761422 | 1.460094 | 1.8913 | 0.0587 | 1.611598386 | count | 1 |
| CRIP1 | 1.1731544 | 0.1191951 | 9.8423 | 1.92E-22 | 1.611813185 | count | 4.66E-18 |
| C16orf58 | 1.414212 | 0.4363093 | 3.2413 | 0.00121 | 1.619471979 | count | 1 |
| MTMR11 | 1.3187749 | 0.2159401 | 6.1071 | 1.18E-09 | 1.621313918 | count | 2.84E-05 |
| IL6 | 1.9186142 | 0.7749137 | 2.4759 | 0.0134 | 1.623689516 | count | 1 |
| ZNF254 | 1.5060698 | 0.3876676 | 3.885 | 0.000105 | 1.627214644 | count | 1 |
| AC073195.1 | 2.247452 | 0.5644209 | 3.9819 | 7.04E-05 | 1.627604855 | count | 1 |
| SSH3 | 1.7193706 | 0.5608355 | 3.0657 | 0.0022 | 1.629256292 | count | 1 |
| PAQR7 | 1.7253691 | 0.3716543 | 4.6424 | 3.63E-06 | 1.634784375 | count | 0.08624517 |
| AC020656.1 | 1.1430648 | 0.0771137 | 14.8231 | 1.13E-47 | 1.635228868 | count | 2.75E-43 |
| NCF1 | 1.1578583 | 0.0861522 | 13.4397 | 8.74E-40 | 1.637949849 | count | 2.12E-35 |
| SLC35F2 | 2.1753673 | 0.8254976 | 2.6352 | 0.00846 | 1.649987052 | count | 1 |
| CES1 | 1.322602 | 0.2396677 | 5.5185 | 3.78E-08 | 1.651512038 | count | 0.000904894 |
| AL391832.2 | 1.4752262 | 0.3381157 | 4.3631 | 1.34E-05 | 1.661531459 | count | 0.3172584 |
| CCDC88C | 1.366585 | 0.2837685 | 4.8158 | 1.56E-06 | 1.662717977 | count | 0.03712644 |
| ANK1 | 3.311509 | 1.0217057 | 3.2412 | 0.00121 | 1.663518305 | count | 1 |

| | | | | | | | |
|--------------|------------|-------------|---------|----------|-------------|-------|-------------|
| PDGFD | 3.311509 | 1.0217057 | 3.2412 | 0.00121 | 1.663518305 | count | 1 |
| C19orf38 | 1.2184285 | 0.1046324 | 11.6448 | 1.53E-30 | 1.668009093 | count | 3.72E-26 |
| LMCD1 | 2.458549 | 0.8230181 | 2.9872 | 0.00284 | 1.67106708 | count | 1 |
| EGR1 | 1.214468 | 0.1616252 | 7.5141 | 7.98E-14 | 1.673692293 | count | 1.93E-09 |
| C3orf18 | 3.380762 | 1.1211255 | 3.0155 | 0.00259 | 1.681717093 | count | 1 |
| NIPSNAP3B | 1.894962 | 0.6853052 | 2.7651 | 0.00573 | 1.686489439 | count | 1 |
| ATP2B1-AS1 | 1.1783762 | 0.1068832 | 11.0249 | 1.28E-27 | 1.686833422 | count | 3.11E-23 |
| AL034397.3 | 1.3702423 | 0.2661531 | 5.1483 | 2.84E-07 | 1.704053539 | count | 0.006778228 |
| AC106712.1 | 3.501326 | 1.155831 | 3.0293 | 0.00248 | 1.711268124 | count | 1 |
| C1S | 3.501326 | 1.1986065 | 2.9212 | 0.00352 | 1.711268124 | count | 1 |
| RRAD | 1.5544225 | 0.4336703 | 3.5843 | 0.000345 | 1.716986782 | count | 1 |
| AC007952.4 | 1.3087595 | 0.179762 | 7.2805 | 4.46E-13 | 1.717683199 | count | 1.08E-08 |
| PLEKHG3 | 2.189104 | 0.6555858 | 3.3392 | 0.000853 | 1.721441957 | count | 1 |
| GUCY1A1 | 1.7989257 | 0.4669663 | 3.8524 | 0.00012 | 1.730196396 | count | 1 |
| NBEAL2 | 1.617155 | 0.2804887 | 5.7655 | 9.16E-09 | 1.731486125 | count | 0.000219739 |
| HK3 | 1.4609185 | 0.2587574 | 5.6459 | 1.83E-08 | 1.732268182 | count | 0.000438578 |
| FBLIM1 | 1.83677 | 0.6576164 | 2.7931 | 0.00526 | 1.736262945 | count | 1 |
| CSGALNACT1 | 1.4872394 | 0.2806305 | 5.2996 | 1.26E-07 | 1.742716464 | count | 0.003011148 |
| TMEM154 | 1.430765 | 0.1869007 | 7.6552 | 2.76E-14 | 1.750175065 | count | 6.67E-10 |
| CLEC4G | 1.683517 | 0.290942 | 5.7864 | 8.11E-09 | 1.751173913 | count | 0.000194575 |
| TOP3B | 1.7495546 | 0.6496767 | 2.693 | 0.00713 | 1.756999264 | count | 1 |
| GABBR1 | 1.5323588 | 0.4929372 | 3.1086 | 0.0019 | 1.763036566 | count | 1 |
| GAS1 | 1.8681482 | 0.7406039 | 2.5225 | 0.0117 | 1.76441616 | count | 1 |
| DNM1 | 3.8004711 | 1.00355 | 3.787 | 0.000156 | 1.773797461 | count | 1 |
| BPI | 2.6819986 | 0.6942061 | 3.8634 | 0.000115 | 1.786770493 | count | 1 |
| PCBP3 | 19.2736161 | 1022.653449 | 0.0188 | 0.985 | 1.787006243 | count | 1 |
| LRRRC4C | 19.3037483 | 1436.559676 | 0.0134 | 0.989 | 1.787006243 | count | 1 |
| AL355574.1 | 20.0579197 | 1689.495603 | 0.0119 | 0.991 | 1.787006251 | count | 1 |
| ADAMTSL3 | 20.0579197 | 1689.495603 | 0.0119 | 0.991 | 1.787006251 | count | 1 |
| LRP6 | 19.2414793 | 1319.095282 | 0.0146 | 0.988 | 1.787006345 | count | 1 |
| SLC25A30-AS1 | 20.0579201 | 1689.49566 | 0.0119 | 0.991 | 1.787006353 | count | 1 |
| AL158071.5 | 3.9227822 | 1.0292147 | 3.8114 | 0.000142 | 1.795352271 | count | 1 |
| VWF | 1.876525 | 0.7364708 | 2.548 | 0.0109 | 1.80116975 | count | 1 |
| FRY | 1.9893276 | 0.4950336 | 4.0186 | 6.03E-05 | 1.802770187 | count | 1 |
| ADGRG6 | 1.9742846 | 0.3829769 | 5.1551 | 2.74E-07 | 1.825315061 | count | 0.006540106 |
| LIMS2 | 2.072464 | 0.9325173 | 2.2224 | 0.0263 | 1.832016605 | count | 1 |
| SLC24A4 | 1.8825097 | 0.3045078 | 6.1821 | 7.38E-10 | 1.834115504 | count | 1.77E-05 |
| MEGF9 | 1.4048906 | 0.167717 | 8.3766 | 9.05E-17 | 1.842178909 | count | 2.19E-12 |
| AL596094.1 | 2.633267 | 1.1022024 | 2.3891 | 0.017 | 1.850180827 | count | 1 |
| AVIL | 2.633267 | 0.8031521 | 3.2787 | 0.00106 | 1.850180827 | count | 1 |
| CELSR2 | 3.49383 | 0.8504229 | 4.1083 | 4.12E-05 | 1.855137782 | count | 0.9712076 |
| AC012360.1 | 3.49383 | 0.974526 | 3.5852 | 0.000343 | 1.855137782 | count | 1 |
| ACY3 | 3.522773 | 1.075975 | 3.274 | 0.00107 | 1.862445791 | count | 1 |
| SLC2A12 | 3.5227728 | 2.7723594 | 1.2707 | 0.204 | 1.86244596 | count | 1 |
| SHMT1 | 1.516151 | 0.2443411 | 6.2051 | 6.40E-10 | 1.872295819 | count | 1.54E-05 |

| | | | | | | | |
|------------|------------|-------------|---------|----------|-------------|-------|-------------|
| NOTCH4 | 1.667667 | 0.3700666 | 4.5064 | 6.90E-06 | 1.875293453 | count | 0.163668 |
| FBXL17 | 1.8400754 | 0.383266 | 4.801 | 1.67E-06 | 1.887750897 | count | 0.03973598 |
| AC004825.2 | 2.728563 | 0.872659 | 3.1267 | 0.00179 | 1.899107384 | count | 1 |
| OR11G2 | 2.289857 | 0.6557038 | 3.4922 | 0.000488 | 1.90320557 | count | 1 |
| ELN | 2.954834 | 0.8157232 | 3.6223 | 0.000298 | 1.910519022 | count | 1 |
| SLC12A5 | 1.6024063 | 0.276674 | 5.7917 | 7.86E-09 | 1.930581609 | count | 0.000188585 |
| ITGA8 | 3.00759 | 1.309182 | 2.2973 | 0.0217 | 1.932238499 | count | 1 |
| ZDHHC1 | 1.6872498 | 0.2821841 | 5.9793 | 2.57E-09 | 1.956362157 | count | 6.17E-05 |
| EGR3 | 1.5416374 | 0.2444522 | 6.3065 | 3.37E-10 | 1.95810153 | count | 8.11E-06 |
| CHADL | 2.102565 | 0.4952096 | 4.2458 | 2.26E-05 | 1.96796042 | count | 0.5341284 |
| DLG2 | 2.707702 | 0.7800743 | 3.4711 | 0.000527 | 1.969645889 | count | 1 |
| PAM16 | 19.3759879 | 1254.038813 | 0.0155 | 0.9877 | 1.978626359 | count | 1 |
| HRNR | 20.2403474 | 1850.848111 | 0.0109 | 0.991 | 1.978626369 | count | 1 |
| ANKUB1 | 20.2403474 | 1850.848111 | 0.0109 | 0.991 | 1.978626369 | count | 1 |
| CFP | 1.42835 | 0.1007001 | 14.1842 | 5.98E-44 | 1.991888326 | count | 1.45E-39 |
| PDK4 | 1.482914 | 0.1579319 | 9.3896 | 1.33E-20 | 2.01456059 | count | 3.22E-16 |
| S100A9 | 1.3993004 | 0.088826 | 15.7533 | 2.46E-53 | 2.015941292 | count | 5.98E-49 |
| AP003086.1 | 1.7434558 | 0.3540996 | 4.9236 | 9.06E-07 | 2.019654929 | count | 0.021584544 |
| 1-Mar | 2.1681572 | 0.3498942 | 6.1966 | 6.75E-10 | 2.02257125 | count | 1.62E-05 |
| F10 | 3.647981 | 1.087845 | 3.3534 | 0.00081 | 2.024265392 | count | 1 |
| CSRP2 | 2.269222 | 0.8233409 | 2.7561 | 0.00589 | 2.027287202 | count | 1 |
| GNG11 | 1.981472 | 0.5417902 | 3.6573 | 0.00026 | 2.065739397 | count | 1 |
| TUBGCP6 | 2.2736714 | 0.497148 | 4.5734 | 5.04E-06 | 2.070687296 | count | 0.11965464 |
| AL391807.1 | 2.640445 | 0.6452279 | 4.0923 | 4.41E-05 | 2.07250778 | count | 1 |
| RBP7 | 1.5153009 | 0.1155212 | 13.1171 | 4.86E-38 | 2.100571473 | count | 1.18E-33 |
| PLEKHG1 | 3.195165 | 1.225583 | 2.6071 | 0.00919 | 2.103668818 | count | 1 |
| PADI4 | 2.601758 | 0.3851246 | 6.7556 | 1.77E-11 | 2.110052209 | count | 4.27E-07 |
| NFIA | 1.6825377 | 0.2656477 | 6.3337 | 2.84E-10 | 2.113060106 | count | 6.83E-06 |
| HPGDS | 1.6538334 | 0.1958672 | 8.4436 | 5.19E-17 | 2.116872517 | count | 1.26E-12 |
| CCL18 | 1.5173915 | 0.3273324 | 4.6356 | 3.75E-06 | 2.130014946 | count | 0.0890775 |
| TPPP3 | 1.996815 | 0.3424672 | 5.8307 | 6.25E-09 | 2.136530697 | count | 0.000149988 |
| C11orf21 | 2.0530702 | 0.4249524 | 4.8313 | 1.44E-06 | 2.154546319 | count | 0.03427632 |
| ECSCR | 2.677261 | 1.186324 | 2.2568 | 0.0241 | 2.155920769 | count | 1 |
| NFE2 | 2.5317425 | 0.4966563 | 5.0976 | 3.70E-07 | 2.171459315 | count | 0.00882709 |
| RIPOR2 | 1.7539825 | 0.1698711 | 10.3254 | 1.70E-24 | 2.18391855 | count | 4.12E-20 |
| FOLR3 | 2.2475161 | 0.2300708 | 9.7688 | 3.86E-22 | 2.241096104 | count | 9.36E-18 |
| AC027575.2 | 19.6012669 | 1479.659141 | 0.0132 | 0.9894 | 2.29911814 | count | 1 |
| PRG4 | 20.5255869 | 2134.567182 | 0.0096 | 0.992 | 2.299118265 | count | 1 |
| PROK2 | 1.871709 | 0.361707 | 5.1747 | 2.47E-07 | 2.334865348 | count | 0.005896384 |
| CCL13 | 2.805191 | 0.5417123 | 5.1784 | 2.42E-07 | 2.344661281 | count | 0.005777992 |
| S100A8 | 1.6351444 | 0.117021 | 13.9731 | 9.49E-43 | 2.355834048 | count | 2.31E-38 |
| ABCA6 | 3.6903438 | 0.6868052 | 5.3732 | 8.46E-08 | 2.360306683 | count | 0.002022871 |
| PSMD6-AS2 | 4.144489 | 1.8736603 | 2.212 | 0.0271 | 2.362392407 | count | 1 |
| SELL | 1.7689094 | 0.1431586 | 12.3563 | 4.55E-34 | 2.383422588 | count | 1.11E-29 |
| MAMDC2 | 2.4546039 | 0.3481193 | 7.051 | 2.30E-12 | 2.415037528 | count | 5.55E-08 |

| | | | | | | | |
|------------|------------|-------------|---------|----------|-------------|-------|-------------|
| OLFM1 | 2.390315 | 0.4673466 | 5.1146 | 3.39E-07 | 2.415846907 | count | 0.008089218 |
| ESAM | 19.7823562 | 1613.827298 | 0.0123 | 0.9902 | 2.436099118 | count | 1 |
| TMEM47 | 3.118916 | 1.485135 | 2.1001 | 0.0358 | 2.455088148 | count | 1 |
| AL138899.1 | 2.831778 | 0.7115857 | 3.9795 | 7.11E-05 | 2.460951083 | count | 1 |
| FCGBP | 1.8179726 | 0.3354744 | 5.4191 | 6.57E-08 | 2.513494204 | count | 0.001571544 |
| CEP126 | 18.9063107 | 1075.301432 | 0.0176 | 0.986 | 2.561194292 | count | 1 |
| EFHD1 | 4.2007252 | 3.7157673 | 1.1305 | 0.2584 | 2.662203626 | count | 1 |
| RPS6KA6 | 4.2134584 | 2.2983444 | 1.8333 | 0.0669 | 2.664758991 | count | 1 |
| DCN | 2.8343462 | 0.5476636 | 5.1753 | 2.46E-07 | 2.821461805 | count | 0.005873004 |
| C2CD4B | 4.341128 | 0.9894658 | 4.3873 | 1.20E-05 | 2.851544607 | count | 0.28422 |
| WISP2 | 4.4193557 | 1.9752643 | 2.2373 | 0.0254 | 2.866257468 | count | 1 |
| APOD | 19.3426438 | 940.276298 | 0.0206 | 0.9836 | 2.882163519 | count | 1 |
| P2RY14 | 2.6053393 | 0.261826 | 9.9507 | 6.76E-23 | 2.895391933 | count | 1.64E-18 |
| DPT | 3.513249 | 0.8275233 | 4.2455 | 2.26E-05 | 2.913515209 | count | 0.5341284 |
| CCDC141 | 4.9545502 | 2.1733552 | 2.2797 | 0.0227 | 2.943925601 | count | 1 |
| PLEKHG5 | 19.4730636 | 955.7473798 | 0.0204 | 0.9837 | 2.975033131 | count | 1 |
| S100A12 | 2.1201061 | 0.161932 | 13.0926 | 6.58E-38 | 3.002639027 | count | 1.60E-33 |
| SCN9A | 3.4574168 | 0.4835528 | 7.15 | 1.14E-12 | 3.067226029 | count | 2.75E-08 |
| TTN | 3.7357891 | 0.8368362 | 4.4642 | 8.40E-06 | 3.648857664 | count | 0.199206 |
| LYVE1 | 3.3549124 | 0.3295958 | 10.1789 | 7.29E-24 | 3.842679041 | count | 1.77E-19 |