|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | logFC | AveExpr | t | P.Value | adj.P.Val | B |
| *AQP8* | -8.35022 | 2.796456 | -22.9753 | 1.2832E-75 | 3.76325E-73 | 161.6805 |
| *CA1* | -8.02273 | 1.755144 | -25.9587 | 1.67766E-88 | 1.03673E-85 | 191.2354 |
| *GUCA2B* | -7.67831 | 2.015494 | -26.9172 | 1.43356E-92 | 1.07847E-89 | 200.5655 |
| *TMIGD1* | -7.4318 | 1.39381 | -27.4208 | 1.08406E-94 | 9.87234E-92 | 205.4373 |
| *CLCA4* | -7.20153 | 2.858857 | -19.4016 | 6.34536E-60 | 7.27111E-58 | 125.6748 |
| *OTOP2* | -7.08741 | 0.029671 | -41.7847 | 1.1142E-149 | 1.928E-145 | 331.4481 |
| *ZG16* | -7.01283 | 3.645217 | -15.2537 | 6.53448E-42 | 2.41079E-40 | 84.36694 |
| *CD177* | -6.74684 | 2.632366 | -22.6779 | 2.55283E-74 | 6.71802E-72 | 158.7003 |
| *MS4A12* | -6.68692 | 2.553114 | -19.0965 | 1.39443E-58 | 1.45348E-56 | 122.5937 |
| *CA4* | -6.6698 | 2.859715 | -18.5377 | 3.96946E-56 | 3.54039E-54 | 116.9636 |
| *PYY* | -6.59271 | 1.291585 | -24.47 | 4.13124E-82 | 1.88113E-79 | 176.576 |
| *GUCA2A* | -6.43898 | 5.476395 | -15.3715 | 2.06717E-42 | 7.93087E-41 | 85.5142 |
| *CA7* | -6.30376 | 1.57494 | -36.6765 | 2.1655E-131 | 1.249E-127 | 289.5382 |
| *SLC26A3* | -6.27972 | 5.709635 | -11.9315 | 2.29297E-28 | 3.25473E-27 | 53.355 |
| *CHGA* | -6.23405 | 2.254587 | -20.8869 | 1.84197E-66 | 3.18716E-64 | 140.6694 |
| *BEST4* | -5.76452 | 1.569643 | -36.7458 | 1.1969E-131 | 1.0355E-127 | 290.1279 |
| *CLCA1* | -5.54546 | 5.307537 | -8.66297 | 1.07861E-16 | 6.2628E-16 | 26.71258 |
| *CLDN8* | -5.44337 | 0.39193 | -20.2446 | 1.23581E-63 | 1.82763E-61 | 134.1769 |
| *SST* | -5.37726 | 0.82078 | -22.3584 | 6.38182E-73 | 1.51267E-70 | 155.4902 |
| *ADH1C* | -5.28135 | 4.570702 | -13.3935 | 3.56986E-34 | 7.7795E-33 | 66.6277 |
| *CEACAM7* | -5.27418 | 6.447665 | -10.9914 | 8.47051E-25 | 9.21794E-24 | 45.19882 |
| *IGJ* | -5.24611 | 7.988772 | -10.1732 | 8.03529E-22 | 6.92748E-21 | 38.42006 |
| *GCG* | -5.23792 | 0.485143 | -20.6721 | 1.62261E-65 | 2.62392E-63 | 138.4964 |
| *SLC4A4* | -5.22909 | 1.914706 | -23.9391 | 8.21097E-80 | 3.15721E-77 | 171.3023 |
| *ADH1B* | -5.21336 | 1.059942 | -24.6393 | 7.67481E-83 | 3.68881E-80 | 178.2532 |
| *CA2* | -5.21302 | 5.85259 | -15.5918 | 2.38581E-43 | 9.64524E-42 | 87.65747 |
| *BMP3* | -5.14389 | 0.438997 | -29.4673 | 3.4399E-103 | 4.96E-100 | 224.9315 |
| *CHP2* | -5.02905 | 4.186929 | -13.9074 | 2.80951E-36 | 7.1595E-35 | 71.44229 |
| *SCARA5* | -4.98491 | 1.44046 | -28.428 | 6.712E-99 | 7.74253E-96 | 215.0872 |
| *B4GALNT2* | -4.96782 | 1.069234 | -19.1646 | 6.99828E-59 | 7.47477E-57 | 123.2754 |
| *MT1M* | -4.93563 | 2.849303 | -19.8768 | 5.14085E-62 | 6.7388E-60 | 130.4663 |
| *SLC26A2* | -4.86373 | 4.659025 | -16.7888 | 1.69946E-48 | 9.8809E-47 | 99.44981 |
| *SCGN* | -4.84782 | 0.615104 | -27.4109 | 1.19263E-94 | 1.03181E-91 | 205.3427 |
| *ANPEP* | -4.78504 | 5.058834 | -14.8955 | 2.13524E-40 | 7.20195E-39 | 80.88282 |
| *LYPD8* | -4.76322 | 4.559166 | -12.3299 | 6.40546E-30 | 1.0368E-28 | 56.88534 |
| *SPIB* | -4.75286 | 1.043622 | -28.407 | 8.211E-99 | 8.87963E-96 | 214.8875 |
| *SCNN1B* | -4.73435 | 2.008662 | -20.416 | 2.17527E-64 | 3.39087E-62 | 135.9142 |
| *UGT2B17* | -4.70961 | 3.790161 | -9.50911 | 1.67017E-19 | 1.21475E-18 | 33.0929 |
| *SLC51B* | -4.68297 | 3.689022 | -19.0167 | 3.1275E-58 | 3.20208E-56 | 121.7805 |
| *PI16* | -4.67247 | 0.551073 | -24.1709 | 8.11848E-81 | 3.51185E-78 | 173.6079 |
| *C11orf86* | -4.61075 | 2.206226 | -18.1009 | 3.26147E-54 | 2.64945E-52 | 112.5681 |
| *UGT2A3* | -4.54855 | 2.707856 | -15.7339 | 5.90005E-44 | 2.48391E-42 | 89.04214 |
| *ABCG2* | -4.53632 | 1.250146 | -29.293 | 1.7868E-102 | 2.2084E-99 | 223.2827 |
| *CWH43* | -4.516 | 1.10377 | -18.8666 | 1.42765E-57 | 1.39562E-55 | 120.2736 |
| *OGN* | -4.50643 | 0.887099 | -21.587 | 1.54047E-69 | 2.96164E-67 | 147.731 |
| *SFRP1* | -4.4841 | 0.722419 | -24.0474 | 2.7834E-80 | 1.12003E-77 | 172.38 |
| *ITLN1* | -4.45414 | 4.923275 | -7.62384 | 1.7375E-13 | 7.70673E-13 | 19.41438 |
| *CNTFR* | -4.44332 | 0.691003 | -18.9783 | 4.61227E-58 | 4.6399E-56 | 121.4009 |
| *PKIB* | -4.37552 | 3.004358 | -23.4353 | 1.26868E-77 | 4.14187E-75 | 166.2796 |
| *ALPI* | -4.36569 | 1.41034 | -22.5206 | 1.24391E-73 | 3.11933E-71 | 157.122 |
| *MT1H* | -4.32988 | 3.306402 | -16.6334 | 7.9922E-48 | 4.39013E-46 | 97.90721 |
| *MAMDC2* | -4.30316 | 0.338303 | -27.2942 | 3.69009E-94 | 3.04046E-91 | 204.2044 |
| *DHRS9* | -4.30313 | 3.021364 | -15.8995 | 1.15459E-44 | 5.14894E-43 | 90.66376 |
| *CADM3* | -4.21944 | 0.283234 | -25.8341 | 5.70425E-88 | 3.40347E-85 | 190.0094 |
| *SLC6A19* | -4.2007 | 0.266658 | -15.9236 | 9.09599E-45 | 4.10934E-43 | 90.92504 |
| *NXPE4* | -4.1812 | 4.082457 | -10.2808 | 3.3184E-22 | 2.94302E-21 | 39.25019 |
| *CLEC3B* | -4.17417 | 2.940552 | -31.0389 | 1.4192E-109 | 3.0696E-106 | 239.5665 |
| *DES* | -4.1716 | 5.789345 | -8.88547 | 2.04331E-17 | 1.26677E-16 | 28.34542 |
| *BEST2* | -4.17022 | 1.247195 | -16.6231 | 8.85534E-48 | 4.81836E-46 | 97.81665 |
| *TMEM236* | -4.13082 | 2.161812 | -21.5154 | 3.177E-69 | 5.97517E-67 | 147.0095 |
| *GREM2* | -4.12209 | 1.359892 | -22.609 | 5.10912E-74 | 1.30005E-71 | 158.0091 |
| *TRPM6* | -4.11669 | 1.371 | -22.804 | 7.17574E-75 | 1.94003E-72 | 159.965 |
| *UGT1A10* | -4.11181 | 1.924842 | -21.734 | 3.48566E-70 | 7.01307E-68 | 149.2121 |
| *SLC9A3* | -4.10314 | 4.123554 | -11.7173 | 1.53446E-27 | 2.05025E-26 | 51.4377 |
| *MYH11* | -4.09383 | 4.353603 | -12.5363 | 9.8339E-31 | 1.70497E-29 | 58.74225 |
| *VIP* | -4.08155 | 2.592572 | -15.7614 | 4.49929E-44 | 1.92225E-42 | 89.31307 |
| *TMEM72* | -4.07947 | 0.683785 | -22.6775 | 2.5625E-74 | 6.71802E-72 | 158.6973 |
| *GPR15* | -4.05104 | 1.03932 | -17.8 | 6.75434E-53 | 4.97321E-51 | 109.5564 |
| *AKR1B10* | -4.05065 | 4.235523 | -12.2105 | 1.8834E-29 | 2.92798E-28 | 55.80799 |
| *LYVE1* | -4.03482 | 1.358714 | -28.3486 | 1.43553E-98 | 1.46111E-95 | 214.3231 |
| *INSL5* | -4.02542 | 0.199385 | -12.335 | 6.11756E-30 | 9.92985E-29 | 56.98452 |
| *UGT1A8* | -4.0253 | 0.618952 | -22.0672 | 1.20447E-71 | 2.6158E-69 | 152.5676 |
| *C7* | -3.98981 | 1.837781 | -19.2082 | 4.50198E-59 | 4.89923E-57 | 123.7202 |
| *VSIG2* | -3.97794 | 4.772028 | -9.45989 | 2.45884E-19 | 1.75735E-18 | 32.70447 |
| *DPT* | -3.9613 | 3.269159 | -15.868 | 1.57415E-44 | 6.93067E-43 | 90.35284 |
| *ADTRP* | -3.94422 | 2.993483 | -15.7643 | 4.37305E-44 | 1.87759E-42 | 89.33787 |
| *C2orf88* | -3.89444 | 2.306867 | -28.0709 | 2.0588E-97 | 1.97908E-94 | 211.676 |
| *STMN2* | -3.89097 | 1.524405 | -22.8636 | 3.94336E-75 | 1.08305E-72 | 160.5617 |
| *FCGBP* | -3.89045 | 6.003369 | -8.27867 | 1.78571E-15 | 9.34326E-15 | 23.9306 |
| *PADI2* | -3.87495 | 4.506053 | -14.3786 | 3.1299E-38 | 9.0563E-37 | 75.90984 |
| *PLP1* | -3.86937 | -0.14925 | -25.2968 | 1.13762E-85 | 5.96492E-83 | 184.7119 |
| *HEPACAM2* | -3.86157 | 3.235759 | -11.6882 | 1.98361E-27 | 2.63613E-26 | 51.18898 |
| *EDN3* | -3.85891 | 2.743201 | -18.3213 | 3.52957E-55 | 2.95392E-53 | 114.7813 |
| *SLC30A10* | -3.84543 | -0.28094 | -26.6651 | 1.66967E-91 | 1.20376E-88 | 198.0714 |
| *MEP1B* | -3.83921 | 0.559496 | -17.4208 | 3.0487E-51 | 2.08505E-49 | 105.773 |
| *ADAMDEC1* | -3.83831 | 4.803884 | -14.9999 | 7.7483E-41 | 2.703E-39 | 81.88321 |
| *ABCA8* | -3.83285 | -0.02315 | -30.8963 | 5.3232E-109 | 1.0234E-105 | 238.1508 |
| *HSD17B2* | -3.8307 | 2.233577 | -19.6512 | 5.05908E-61 | 6.20832E-59 | 128.191 |
| *FABP1* | -3.81843 | 7.944928 | -8.43773 | 5.64708E-16 | 3.09507E-15 | 25.08909 |
| *MYOC* | -3.8067 | -0.36266 | -23.074 | 4.75722E-76 | 1.41921E-73 | 162.6536 |
| *HSD3B2* | -3.79574 | -0.04827 | -14.9811 | 9.29799E-41 | 3.23708E-39 | 81.77234 |
| *BTNL8* | -3.78988 | 2.68387 | -16.8155 | 1.3022E-48 | 7.69008E-47 | 99.71936 |
| *USP2* | -3.74897 | 1.203269 | -27.0229 | 5.13095E-93 | 4.0355E-90 | 201.5852 |
| *PRIMA1* | -3.74861 | 0.110773 | -20.2705 | 9.5064E-64 | 1.41801E-61 | 134.463 |
| *MT1G* | -3.74092 | 6.626025 | -11.71 | 1.6362E-27 | 2.18322E-26 | 51.38842 |
| *TNFRSF17* | -3.71362 | 1.782348 | -17.1635 | 4.01927E-50 | 2.59498E-48 | 103.1922 |
| *FABP2* | -3.70024 | 2.650662 | -14.7431 | 9.33955E-40 | 3.00935E-38 | 79.41836 |
| *CTSG* | -3.69589 | 0.897941 | -17.5266 | 1.0545E-51 | 7.38704E-50 | 106.8304 |
| *ANGPTL1* | -3.68513 | 0.484774 | -18.5035 | 5.61009E-56 | 4.95262E-54 | 116.6409 |
| *DNASE1L3* | -3.67451 | 1.395429 | -17.5291 | 1.02797E-51 | 7.23048E-50 | 106.8478 |
| *B3GNT6* | -3.66137 | 2.620527 | -11.032 | 5.98538E-25 | 6.60913E-24 | 45.53108 |
| *RERGL* | -3.65894 | -0.25516 | -23.7341 | 6.36852E-79 | 2.29572E-76 | 169.2354 |
| *TMEM82* | -3.63638 | 1.890622 | -19.6519 | 5.02486E-61 | 6.20832E-59 | 128.2005 |
| *SULT1A2* | -3.62279 | 1.395776 | -24.5425 | 2.00925E-82 | 9.39622E-80 | 177.291 |
| *SLC25A34* | -3.61993 | 0.881284 | -31.1732 | 4.0965E-110 | 1.0126E-106 | 240.7608 |
| *PLAC8* | -3.61255 | 4.699048 | -12.2917 | 9.05469E-30 | 1.45743E-28 | 56.53343 |
| *CHRDL1* | -3.6054 | 1.864783 | -15.6467 | 1.39033E-43 | 5.68722E-42 | 88.20004 |
| *SEPP1* | -3.59953 | 4.945407 | -14.3991 | 2.56981E-38 | 7.48576E-37 | 76.10545 |
| *ATP1A2* | -3.5966 | 0.144799 | -17.9894 | 1.00245E-53 | 7.88429E-52 | 111.4892 |
| *BRINP3* | -3.59008 | -0.00246 | -15.3248 | 3.26195E-42 | 1.23235E-40 | 85.11583 |
| *CASQ2* | -3.56538 | 0.52453 | -14.1303 | 3.36828E-37 | 9.09226E-36 | 73.61056 |
| *MOGAT2* | -3.545 | 3.440785 | -13.5508 | 8.16167E-35 | 1.86801E-33 | 68.08855 |
| *LRRN2* | -3.538 | 1.089672 | -23.0769 | 4.61949E-76 | 1.4023E-73 | 162.698 |
| *GPT* | -3.51724 | 3.32509 | -16.8431 | 9.88112E-49 | 5.93657E-47 | 99.98853 |
| *SLC17A4* | -3.47262 | 1.690469 | -19.9714 | 1.97202E-62 | 2.6451E-60 | 131.4291 |
| *TMEM100* | -3.4506 | 0.429425 | -23.8727 | 1.59312E-79 | 5.99255E-77 | 170.6293 |
| *CDKN2B* | -3.44628 | 3.596084 | -22.3078 | 1.06308E-72 | 2.48575E-70 | 154.9811 |
| *PCK1* | -3.42814 | 3.777435 | -12.9556 | 2.09635E-32 | 4.03483E-31 | 62.56772 |
| *GDPD2* | -3.42551 | 1.629317 | -19.5871 | 9.69315E-61 | 1.17287E-58 | 127.5496 |
| *SYNM* | -3.4177 | 2.38523 | -14.2459 | 1.11638E-37 | 3.12567E-36 | 74.6633 |
| *HMGCS2* | -3.41694 | 6.833107 | -7.41929 | 6.86873E-13 | 2.90942E-12 | 18.07268 |
| *HSPB6* | -3.4128 | 3.19058 | -12.9659 | 1.90666E-32 | 3.68202E-31 | 62.66868 |
| *TNXB* | -3.39128 | 0.819834 | -22.3728 | 5.52055E-73 | 1.3267E-70 | 155.6394 |
| *SLC51A* | -3.38325 | 1.520524 | -21.3426 | 1.82614E-68 | 3.36147E-66 | 145.2714 |
| *B3GNT7* | -3.38223 | 4.072694 | -11.3026 | 5.80029E-26 | 6.9503E-25 | 47.82912 |
| *SI* | -3.37922 | 1.819354 | -12.6595 | 3.19332E-31 | 5.71988E-30 | 59.89181 |
| *CMA1* | -3.36473 | 0.011186 | -16.2563 | 3.38686E-46 | 1.65078E-44 | 94.25318 |
| *HPGD* | -3.35155 | 3.885385 | -14.9039 | 1.96694E-40 | 6.64726E-39 | 80.9561 |
| *BCHE* | -3.34663 | 0.201957 | -17.8071 | 6.28697E-53 | 4.68894E-51 | 109.6682 |
| *LDHD* | -3.34064 | 3.719566 | -15.736 | 5.77971E-44 | 2.43918E-42 | 89.05366 |
| *BTNL3* | -3.33341 | 3.661737 | -13.427 | 2.6073E-34 | 5.7617E-33 | 66.9311 |
| *FABP4* | -3.32652 | 1.311749 | -13.3652 | 4.65123E-34 | 1.00726E-32 | 66.40081 |
| *C16orf89* | -3.31086 | 0.644858 | -18.8279 | 2.11134E-57 | 2.02958E-55 | 119.9114 |
| *C2orf40* | -3.29693 | 0.044157 | -17.7936 | 7.19772E-53 | 5.27721E-51 | 109.5387 |
| *HHLA2* | -3.29122 | 4.48439 | -13.207 | 2.03574E-33 | 4.1884E-32 | 64.8825 |
| *SECTM1* | -3.27599 | 4.513702 | -14.0149 | 1.01182E-36 | 2.6607E-35 | 72.44894 |
| *LRRC19* | -3.26673 | 3.992847 | -13.5899 | 5.65049E-35 | 1.30361E-33 | 68.44926 |
| *TMEM37* | -3.26587 | 4.334602 | -16.7886 | 1.70173E-48 | 9.8809E-47 | 99.44101 |
| *SULT1B1* | -3.26471 | 4.208115 | -12.8607 | 5.03518E-32 | 9.4906E-31 | 61.6935 |
| *SYNPO2* | -3.26095 | 2.561619 | -14.9343 | 1.46511E-40 | 5.00017E-39 | 81.26508 |
| *PDK4* | -3.22759 | 3.514502 | -18.7052 | 7.30743E-57 | 6.76153E-55 | 118.6395 |
| *TSPAN7* | -3.21968 | 3.752806 | -16.4092 | 7.43257E-47 | 3.82755E-45 | 95.68195 |
| *MMRN1* | -3.2129 | 0.853749 | -18.068 | 4.54315E-54 | 3.67337E-52 | 112.2706 |
| *CNN1* | -3.17438 | 4.811929 | -10.1857 | 7.25398E-22 | 6.27578E-21 | 38.46946 |
| *FDCSP* | -3.17326 | 1.773752 | -10.7127 | 9.04199E-24 | 9.02269E-23 | 42.86451 |
| *HBB* | -3.16941 | 4.60043 | -10.6624 | 1.38073E-23 | 1.36597E-22 | 42.39684 |
| *GCNT2* | -3.16523 | 0.280499 | -23.2415 | 8.85323E-77 | 2.78523E-74 | 164.3267 |
| *HRASLS2* | -3.16033 | 2.25558 | -15.3232 | 3.31616E-42 | 1.2501E-40 | 85.04196 |
| *TPSG1* | -3.1481 | 3.021358 | -11.4766 | 1.27364E-26 | 1.60592E-25 | 49.34785 |
| *IGLL5* | -3.14607 | 4.694957 | -8.16062 | 4.15584E-15 | 2.1069E-14 | 23.0811 |
| *LMOD1* | -3.14138 | 3.680368 | -13.4106 | 3.04242E-34 | 6.68907E-33 | 66.77745 |
| *FAM107A* | -3.13021 | 1.046313 | -26.2346 | 1.12129E-89 | 7.18581E-87 | 193.9077 |
| *SEMA6D* | -3.11955 | 1.539363 | -22.6696 | 2.7771E-74 | 7.17197E-72 | 158.6176 |
| *SCN7A* | -3.1077 | -0.25097 | -17.9495 | 1.49965E-53 | 1.1431E-51 | 111.1084 |
| *CILP* | -3.10692 | 0.956075 | -13.6637 | 2.81952E-35 | 6.71987E-34 | 69.2149 |
| *UGT2B15* | -3.09951 | 1.993616 | -12.1212 | 4.20201E-29 | 6.37784E-28 | 55.04558 |
| *KRT20* | -3.07681 | 8.500052 | -8.96863 | 1.08943E-17 | 6.91505E-17 | 28.98699 |
| *ACTG2* | -3.07356 | 5.662093 | -9.33429 | 6.5606E-19 | 4.55165E-18 | 31.73166 |
| *NR1H4* | -3.07283 | 0.372307 | -12.4362 | 2.4444E-30 | 4.06687E-29 | 57.94886 |
| *MMP28* | -3.06858 | 2.986724 | -15.8929 | 1.23246E-44 | 5.48205E-43 | 90.60119 |
| *WSCD1* | -3.06857 | 1.329282 | -18.8112 | 2.50036E-57 | 2.39026E-55 | 119.7345 |
| *RP11-812E19.9* | -3.06725 | 1.046279 | -12.3749 | 4.26333E-30 | 6.97244E-29 | 57.36103 |
| *CD79A* | -3.06534 | 3.611512 | -11.2347 | 1.04441E-25 | 1.22768E-24 | 47.24963 |
| *MEP1A* | -3.06315 | 6.194981 | -8.63009 | 1.37597E-16 | 7.91242E-16 | 26.45266 |
| *B3GALT1* | -3.06231 | 0.435635 | -15.183 | 1.30353E-41 | 4.69895E-40 | 83.74395 |
| *B3GALT5* | -3.06196 | 2.166925 | -14.3377 | 4.63423E-38 | 1.32539E-36 | 75.54674 |
| *CCL13* | -3.05583 | 2.48589 | -12.0106 | 1.13245E-28 | 1.65497E-27 | 54.04859 |
| *CHGB* | -3.05221 | 0.564145 | -12.4962 | 1.41753E-30 | 2.40939E-29 | 58.48456 |
| *EPB41L3* | -3.04673 | 2.098037 | -20.1614 | 2.87462E-63 | 4.1798E-61 | 133.3474 |
| *ENTPD8* | -3.04481 | 3.88967 | -11.2396 | 1.00099E-25 | 1.17824E-24 | 47.2886 |
| *MT1E* | -3.0435 | 6.22463 | -9.39183 | 4.18924E-19 | 2.9454E-18 | 32.18076 |
| *FHL1* | -3.04039 | 3.508283 | -17.2576 | 1.56541E-50 | 1.03383E-48 | 104.1163 |
| *REP15* | -3.03636 | 1.431727 | -13.917 | 2.56436E-36 | 6.5444E-35 | 71.57832 |
| *PGM5* | -3.02685 | 2.094479 | -14.8733 | 2.64795E-40 | 8.87937E-39 | 80.68807 |
| *TUBAL3* | -3.02158 | 3.292749 | -13.6592 | 2.93976E-35 | 6.97759E-34 | 69.10725 |
| *EYA2* | -3.01848 | 1.374692 | -14.8586 | 3.05331E-40 | 1.02188E-38 | 80.56846 |
| *CLDN23* | -3.01621 | 4.621318 | -18.0355 | 6.30128E-54 | 5.04774E-52 | 111.8996 |
| *NXPE1* | -3.01 | 2.807783 | -11.4653 | 1.40581E-26 | 1.76778E-25 | 49.2548 |
| *KRT24* | -3.00405 | -0.6424 | -19.102 | 1.31828E-58 | 1.38243E-56 | 122.6859 |
| *NR3C2* | -2.99234 | 3.260964 | -19.5625 | 1.24303E-60 | 1.48332E-58 | 127.2901 |
| *CFD* | -2.98182 | 5.403761 | -10.3832 | 1.42355E-22 | 1.29778E-21 | 40.08396 |
| *MT1F* | -2.98028 | 3.894213 | -15.4139 | 1.36421E-42 | 5.28075E-41 | 85.90463 |
| *WISP2* | -2.9764 | -0.00469 | -15.3042 | 3.98962E-42 | 1.49098E-40 | 84.94683 |
| *SCGB2A1* | -2.96358 | 1.484834 | -13.0016 | 1.37023E-32 | 2.66994E-31 | 63.04549 |
| *PRKG2* | -2.96105 | 0.246721 | -21.9336 | 4.63943E-71 | 9.67182E-69 | 151.2167 |
| *PCOLCE2* | -2.95536 | 0.376286 | -13.1959 | 2.25735E-33 | 4.63882E-32 | 64.9007 |
| *BCAS1* | -2.94986 | 3.67801 | -13.6281 | 3.94379E-35 | 9.19669E-34 | 68.80986 |
| *FGL2* | -2.94977 | 3.669976 | -15.9616 | 6.25119E-45 | 2.86908E-43 | 91.26902 |
| *TMEM35* | -2.94647 | 0.841471 | -15.3377 | 2.8766E-42 | 1.09634E-40 | 85.23562 |
| *SCIN* | -2.94032 | 1.995946 | -17.3425 | 6.68629E-51 | 4.48422E-49 | 104.9856 |
| *LGALS2* | -2.93593 | 4.104268 | -10.4739 | 6.69461E-23 | 6.27162E-22 | 40.8332 |
| *ISX* | -2.92605 | 3.91756 | -10.5351 | 4.01811E-23 | 3.83694E-22 | 41.34107 |
| *PLN* | -2.9098 | 2.811018 | -12.2196 | 1.73427E-29 | 2.71076E-28 | 55.90671 |
| *MAL* | -2.90115 | 0.645963 | -17.1195 | 6.24103E-50 | 3.98482E-48 | 102.8013 |
| *CCL19* | -2.90005 | 2.903244 | -10.5235 | 4.42663E-23 | 4.20615E-22 | 41.2624 |
| *AMPD1* | -2.89946 | -0.06662 | -18.3506 | 2.62735E-55 | 2.21761E-53 | 115.1308 |
| *HRCT1* | -2.8934 | 4.071495 | -12.2625 | 1.17806E-29 | 1.87884E-28 | 56.27204 |
| *CD163L1* | -2.89027 | 1.835231 | -20.0225 | 1.17489E-62 | 1.63945E-60 | 131.9495 |
| *GSTA1* | -2.88891 | 1.56399 | -11.4934 | 1.0989E-26 | 1.39605E-25 | 49.54393 |
| *FER1L6* | -2.8796 | 0.963032 | -12.2439 | 1.39292E-29 | 2.19506E-28 | 56.19886 |
| *SLC13A2* | -2.8787 | 2.131302 | -10.0766 | 1.77025E-21 | 1.48837E-20 | 37.63046 |
| *CLEC10A* | -2.87348 | 1.798669 | -17.0834 | 8.96021E-50 | 5.65834E-48 | 102.4074 |
| *IL6R* | -2.87161 | 2.78787 | -26.3156 | 5.07322E-90 | 3.37623E-87 | 194.7231 |
| *GLP2R* | -2.86829 | 0.037495 | -24.2393 | 4.10727E-81 | 1.82226E-78 | 174.2266 |
| *HAND2* | -2.86094 | 0.770702 | -13.1433 | 3.68391E-33 | 7.45529E-32 | 64.39764 |
| *LGALS9C* | -2.8598 | 1.11621 | -13.5262 | 1.02869E-34 | 2.32977E-33 | 67.92945 |
| *AHCYL2* | -2.85586 | 5.242964 | -15.9411 | 7.6531E-45 | 3.47563E-43 | 91.0625 |
| *DEFB1* | -2.85199 | 3.56928 | -10.116 | 1.28367E-21 | 1.09147E-20 | 37.91257 |
| *TMEM220* | -2.84962 | 1.562956 | -21.4353 | 7.149E-69 | 1.3301E-66 | 146.2086 |
| *C10orf99* | -2.84791 | 7.271567 | -6.55457 | 1.68372E-10 | 5.84889E-10 | 12.67339 |
| *CHST5* | -2.82221 | 1.497332 | -12.1302 | 3.876E-29 | 5.89336E-28 | 55.15634 |
| *PLIN4* | -2.80696 | 0.883661 | -10.1785 | 7.696E-22 | 6.64491E-21 | 38.53178 |
| *ABI3BP* | -2.80509 | 1.028138 | -20.0515 | 8.75665E-63 | 1.23184E-60 | 132.2538 |
| *F13A1* | -2.80228 | 2.777212 | -13.3684 | 4.51592E-34 | 9.79186E-33 | 66.40066 |
| *PTGDR* | -2.79796 | 0.956047 | -11.8901 | 3.31488E-28 | 4.62559E-27 | 53.06194 |
| *CREB3L3* | -2.79611 | 0.732648 | -11.9669 | 1.67201E-28 | 2.39494E-27 | 53.74991 |
| *CCL23* | -2.79502 | 0.720283 | -16.6591 | 6.19102E-48 | 3.43344E-46 | 98.22917 |
| *CCL21* | -2.79329 | 4.983336 | -7.94981 | 1.83929E-14 | 8.82319E-14 | 21.6134 |
| *MFAP5* | -2.79 | 2.094483 | -13.9376 | 2.10883E-36 | 5.43803E-35 | 71.75695 |
| *NAALADL1* | -2.7869 | 1.990569 | -19.4046 | 6.15804E-60 | 7.10351E-58 | 125.7109 |
| *HPGDS* | -2.7854 | 0.699266 | -19.6565 | 4.79849E-61 | 6.01654E-59 | 128.2714 |
| *GCNT3* | -2.77378 | 5.152836 | -9.21264 | 1.68402E-18 | 1.13248E-17 | 30.79493 |
| *CR2* | -2.76071 | 0.818935 | -11.157 | 2.04314E-25 | 2.34278E-24 | 46.70357 |
| *RETNLB* | -2.75204 | 3.662902 | -7.41422 | 7.10471E-13 | 3.00642E-12 | 18.02621 |
| *PRELP* | -2.74649 | 2.448409 | -11.9805 | 1.48194E-28 | 2.13684E-27 | 53.78749 |
| *SPINK2* | -2.74171 | 0.269113 | -13.643 | 3.42483E-35 | 8.04068E-34 | 69.07926 |
| *CXCL12* | -2.73968 | 3.420765 | -17.4209 | 3.04699E-51 | 2.08505E-49 | 105.7482 |
| *MYLK* | -2.73357 | 3.528242 | -14.5531 | 5.84577E-39 | 1.79981E-37 | 77.58449 |
| *NEU4* | -2.72948 | 2.473663 | -14.0417 | 7.84017E-37 | 2.08065E-35 | 72.73145 |
| *PIGR* | -2.72943 | 10.0719 | -5.04207 | 6.9328E-07 | 1.71124E-06 | 4.612599 |
| *SEMA6A* | -2.72905 | 2.640394 | -16.2838 | 2.57918E-46 | 1.27507E-44 | 94.45932 |
| *CCL8* | -2.72641 | 1.806015 | -13.0164 | 1.19516E-32 | 2.34199E-31 | 63.17819 |
| *METTL7A* | -2.72055 | 5.056332 | -15.7604 | 4.54548E-44 | 1.9372E-42 | 89.28774 |
| *HSPB8* | -2.7198 | 2.860207 | -13.5049 | 1.25589E-34 | 2.81851E-33 | 67.6724 |
| *CHAD* | -2.71589 | 1.128262 | -17.4008 | 3.72425E-51 | 2.52709E-49 | 105.5968 |
| *ENTPD5* | -2.71487 | 4.14915 | -17.954 | 1.43327E-53 | 1.09734E-51 | 111.0819 |
| *SMPDL3A* | -2.71396 | 4.763757 | -17.5536 | 8.04163E-52 | 5.74977E-50 | 107.0677 |
| *ANO5* | -2.7122 | 0.031517 | -14.6642 | 2.00171E-39 | 6.30885E-38 | 78.77581 |
| *ACKR1* | -2.71175 | 2.782849 | -12.0834 | 5.90113E-29 | 8.82517E-28 | 54.69319 |
| *CD36* | -2.71076 | 1.340565 | -18.514 | 5.04223E-56 | 4.47414E-54 | 116.7525 |
| *MB* | -2.7091 | 1.900227 | -13.283 | 1.00239E-33 | 2.11776E-32 | 65.63785 |
| *LIFR* | -2.70724 | 0.322874 | -23.1954 | 1.40659E-76 | 4.34612E-74 | 163.8477 |
| *PDE9A* | -2.70464 | 3.574348 | -14.8297 | 4.03974E-40 | 1.33907E-38 | 80.24364 |
| *TCEAL2* | -2.70433 | -0.02998 | -10.9977 | 8.02313E-25 | 8.75311E-24 | 45.4083 |
| *NKX2-3* | -2.69972 | 2.484125 | -19.5601 | 1.27342E-60 | 1.50917E-58 | 127.275 |
| *SDPR* | -2.69365 | 2.619265 | -18.0223 | 7.20266E-54 | 5.74321E-52 | 111.7833 |
| *C15orf48* | -2.69244 | 7.82954 | -11.0292 | 6.12903E-25 | 6.75482E-24 | 45.50932 |
| *CALB2* | -2.68742 | 1.867164 | -11.4686 | 1.36609E-26 | 1.71909E-25 | 49.32209 |
| *TP53INP2* | -2.68239 | 4.963418 | -17.7787 | 8.36508E-53 | 6.08155E-51 | 109.3224 |
| *AGPAT9* | -2.68107 | 2.856465 | -19.1947 | 5.16112E-59 | 5.58143E-57 | 123.5821 |
| *P2RY1* | -2.67923 | 2.001341 | -20.1397 | 3.57931E-63 | 5.11841E-61 | 133.1337 |
| *SH2D7* | -2.67696 | 0.057523 | -14.6648 | 1.99108E-39 | 6.28681E-38 | 78.77988 |
| *TPH1* | -2.66535 | -0.04689 | -16.5606 | 1.64943E-47 | 8.86336E-46 | 97.2799 |
| *GAP43* | -2.65724 | 0.391771 | -13.218 | 1.83885E-33 | 3.80593E-32 | 65.12311 |
| *RNF152* | -2.64937 | 1.186586 | -23.2466 | 8.41001E-77 | 2.69478E-74 | 164.3865 |
| *HAND1* | -2.64862 | 0.221289 | -8.13978 | 4.81995E-15 | 2.43218E-14 | 23.14217 |
| *CPM* | -2.64682 | 2.776338 | -19.2839 | 2.09042E-59 | 2.31862E-57 | 124.4837 |
| *KLF4* | -2.63383 | 5.98655 | -14.5448 | 6.33312E-39 | 1.93608E-37 | 77.49869 |
| *NAP1L2* | -2.6328 | -0.08294 | -18.3212 | 3.53384E-55 | 2.95392E-53 | 114.8375 |
| *TMEM253* | -2.62856 | 1.299948 | -18.828 | 2.1109E-57 | 2.02958E-55 | 119.9131 |
| *CDHR5* | -2.62656 | 6.449685 | -11.9242 | 2.44847E-28 | 3.46409E-27 | 53.26117 |
| *PTN* | -2.62559 | 2.211954 | -19.7367 | 2.1284E-61 | 2.72798E-59 | 129.0617 |
| *TEX11* | -2.62343 | -0.08512 | -19.9915 | 1.60887E-62 | 2.17486E-60 | 131.6467 |
| *ZBTB7C* | -2.61909 | 2.815182 | -12.2781 | 1.02329E-29 | 1.63793E-28 | 56.4349 |
| *RSPO2* | -2.61352 | -0.20018 | -15.4313 | 1.15093E-42 | 4.48526E-41 | 86.19825 |
| *PLCL2* | -2.60779 | 2.057894 | -18.9546 | 5.86118E-58 | 5.8285E-56 | 121.1744 |
| *SCN9A* | -2.60678 | -0.01734 | -19.2163 | 4.14764E-59 | 4.54219E-57 | 123.8362 |
| *RBPMS2* | -2.60573 | 1.726329 | -15.3045 | 3.97876E-42 | 1.49014E-40 | 84.88972 |
| *SDCBP2* | -2.60176 | 5.792833 | -12.8518 | 5.46299E-32 | 1.02746E-30 | 61.61124 |
| *KCNMA1* | -2.59267 | 1.104899 | -15.106 | 2.76076E-41 | 9.80891E-40 | 82.99298 |
| *SLC9A2* | -2.59228 | 3.231612 | -12.2914 | 9.07304E-30 | 1.45902E-28 | 56.54472 |
| *ADCY5* | -2.59175 | 0.952416 | -16.0415 | 2.83888E-45 | 1.3134E-43 | 92.13191 |
| *SLC16A9* | -2.58989 | 2.743627 | -12.8222 | 7.1731E-32 | 1.34035E-30 | 61.36645 |
| *CDHR2* | -2.58717 | 4.316137 | -9.87278 | 9.22796E-21 | 7.36152E-20 | 35.95002 |
| *SRPX* | -2.58205 | 2.863401 | -16.6914 | 4.48828E-48 | 2.51329E-46 | 98.49081 |
| *CD209* | -2.57755 | 2.047955 | -16.4391 | 5.51928E-47 | 2.87651E-45 | 96.01232 |
| *XDH* | -2.57601 | 3.43638 | -12.9313 | 2.62493E-32 | 5.02425E-31 | 62.35062 |
| *OTOP3* | -2.57095 | -0.69502 | -21.9765 | 3.0079E-71 | 6.42539E-69 | 151.6186 |
| *FAM129A* | -2.56943 | 2.352156 | -17.7032 | 1.78719E-52 | 1.28849E-50 | 108.5913 |
| *FIGF* | -2.56924 | -0.29022 | -18.7542 | 4.45204E-57 | 4.20949E-55 | 119.1864 |
| *BMP5* | -2.56808 | 0.859009 | -13.2277 | 1.67996E-33 | 3.50222E-32 | 65.18936 |
| *ATOH1* | -2.56515 | 3.686404 | -7.56703 | 2.55213E-13 | 1.11796E-12 | 19.03374 |
| *FGFR2* | -2.56445 | 2.555879 | -14.2366 | 1.21986E-37 | 3.40439E-36 | 74.58271 |
| *CES3* | -2.56159 | 4.472435 | -10.4581 | 7.63669E-23 | 7.13101E-22 | 40.70011 |
| *FOLR2* | -2.5581 | 3.446408 | -12.4663 | 1.85923E-30 | 3.12333E-29 | 58.11587 |
| *MZB1* | -2.55417 | 3.685328 | -9.50215 | 1.76417E-19 | 1.27882E-18 | 33.03658 |
| *TACR2* | -2.54945 | 1.664773 | -11.5592 | 6.17573E-27 | 7.97168E-26 | 50.12813 |
| *PLAC9* | -2.54657 | 2.316684 | -24.0711 | 2.19763E-80 | 9.27453E-78 | 172.6136 |
| *CCL28* | -2.54427 | 3.972937 | -10.8233 | 3.5464E-24 | 3.68106E-23 | 43.74871 |
| *GPX3* | -2.54003 | 4.585972 | -13.3745 | 4.26606E-34 | 9.26169E-33 | 66.43499 |
| *ANGPTL7* | -2.53666 | -0.49089 | -19.3734 | 8.44337E-60 | 9.61156E-58 | 125.4166 |
| *FAM189A1* | -2.53268 | 0.897622 | -10.5362 | 3.98047E-23 | 3.8031E-22 | 41.48413 |
| *MALL* | -2.53251 | 3.356492 | -15.8194 | 2.54235E-44 | 1.09976E-42 | 89.87752 |
| *GNG7* | -2.53226 | 1.265898 | -20.8415 | 2.91744E-66 | 4.90102E-64 | 140.2251 |
| *HSD11B2* | -2.53195 | 7.071617 | -12.6191 | 4.62049E-31 | 8.20825E-30 | 59.49962 |
| *FEV* | -2.52038 | -0.4249 | -14.9199 | 1.68428E-40 | 5.72556E-39 | 81.24833 |
| *ASB2* | -2.51924 | 1.547432 | -17.0046 | 1.97005E-49 | 1.22618E-47 | 101.6412 |
| *CLU* | -2.51273 | 4.470841 | -10.8811 | 2.17023E-24 | 2.28973E-23 | 44.23149 |
| *DHRS11* | -2.51249 | 4.46868 | -16.0955 | 1.66508E-45 | 7.78671E-44 | 92.58144 |
| *ST6GALNAC6* | -2.50567 | 4.369811 | -15.7054 | 7.81298E-44 | 3.25498E-42 | 88.74945 |
| *CA12* | -2.50509 | 5.531287 | -10.7245 | 8.18332E-24 | 8.21799E-23 | 42.91424 |
| *SCG2* | -2.50103 | 1.762669 | -14.1229 | 3.61662E-37 | 9.74741E-36 | 73.53501 |
| *UCN3* | -2.50044 | 0.992948 | -9.73484 | 2.78924E-20 | 2.15072E-19 | 34.99335 |
| *VSTM2A* | -2.49981 | -0.59766 | -25.5704 | 7.64811E-87 | 4.41118E-84 | 187.2943 |
| *PBLD* | -2.49838 | 3.674777 | -15.6142 | 1.91503E-43 | 7.77834E-42 | 87.86286 |
| *IRF4* | -2.49493 | 1.40296 | -14.1963 | 1.79303E-37 | 4.97991E-36 | 74.25379 |
| *PHLPP2* | -2.49077 | 2.426982 | -26.6482 | 1.96822E-91 | 1.36224E-88 | 197.9526 |
| *MAOB* | -2.48902 | 2.648904 | -11.0773 | 4.05698E-25 | 4.55535E-24 | 45.92987 |
| *P2RY14* | -2.48869 | 1.490954 | -17.971 | 1.20706E-53 | 9.32401E-52 | 111.3007 |
| *URAD* | -2.4885 | 3.227386 | -6.333 | 6.33984E-10 | 2.09348E-09 | 11.37594 |
| *MORN5* | -2.48795 | -0.25711 | -9.2577 | 1.18884E-18 | 8.09541E-18 | 31.36843 |
| *BEX1* | -2.48752 | 0.40134 | -10.5951 | 2.43098E-23 | 2.36213E-22 | 42.01405 |
| *CCDC69* | -2.48589 | 3.534023 | -16.5318 | 2.19794E-47 | 1.16659E-45 | 96.89911 |
| *NPTX1* | -2.48428 | -0.16763 | -12.0379 | 8.86587E-29 | 1.31229E-27 | 54.45262 |
| *MFAP4* | -2.48389 | 5.495157 | -9.89241 | 7.87804E-21 | 6.33134E-20 | 36.10479 |
| *C1orf115* | -2.47912 | 4.748593 | -14.7265 | 1.09697E-39 | 3.51498E-38 | 79.24083 |
| *PRPH* | -2.47645 | -0.10123 | -15.7043 | 7.89681E-44 | 3.2767E-42 | 88.86126 |
| *TMEM171* | -2.47509 | 4.963982 | -11.9957 | 1.2935E-28 | 1.87449E-27 | 53.88748 |
| *GFRA3* | -2.47013 | 0.54178 | -12.6549 | 3.32884E-31 | 5.94415E-30 | 59.96308 |
| *MAB21L2* | -2.47009 | 3.016939 | -11.4468 | 1.65277E-26 | 2.06483E-25 | 49.09467 |
| *SELENBP1* | -2.46576 | 7.691664 | -9.25036 | 1.25829E-18 | 8.55153E-18 | 31.10479 |
| *ARL14* | -2.46343 | 4.219038 | -13.3344 | 6.20677E-34 | 1.33245E-32 | 66.0642 |
| *TMCC3* | -2.46253 | 3.522152 | -18.3867 | 1.8243E-55 | 1.56266E-53 | 115.4352 |
| *FCER1A* | -2.45794 | 0.974856 | -13.2326 | 1.60502E-33 | 3.35407E-32 | 65.23726 |
| *MT1X* | -2.4553 | 4.93608 | -13.5371 | 9.27898E-35 | 2.10701E-33 | 67.95141 |
| *HSPB3* | -2.45197 | 0.301889 | -7.49918 | 4.0284E-13 | 1.73781E-12 | 18.79103 |
| *GFRA2* | -2.45049 | -0.12392 | -21.7927 | 1.92616E-70 | 3.92098E-68 | 149.7772 |
| *GDPD3* | -2.44989 | 3.954281 | -13.8556 | 4.5904E-36 | 1.14946E-34 | 70.94758 |
| *SCUBE2* | -2.44654 | 1.116973 | -17.8373 | 4.63973E-53 | 3.49049E-51 | 109.9714 |
| *PCSK5* | -2.44497 | 1.771917 | -19.7276 | 2.33383E-61 | 2.96929E-59 | 128.9793 |
| *BARX2* | -2.44163 | 2.214193 | -11.2254 | 1.1315E-25 | 1.32555E-24 | 47.21741 |
| *PDE6A* | -2.43925 | -0.06659 | -13.7128 | 1.77347E-35 | 4.29179E-34 | 69.75757 |
| *MS4A1* | -2.43762 | 0.599819 | -9.81152 | 1.50991E-20 | 1.18808E-19 | 35.64491 |
| *GNAO1* | -2.42643 | 0.557269 | -14.5404 | 6.60656E-39 | 2.01611E-37 | 77.58177 |
| *ENHO* | -2.414 | 0.869467 | -13.1561 | 3.27094E-33 | 6.65848E-32 | 64.53563 |
| *LILRB5* | -2.41267 | 0.792917 | -16.7325 | 2.97811E-48 | 1.69508E-46 | 98.96924 |
| *PDZRN4* | -2.39684 | -0.04857 | -12.0371 | 8.93478E-29 | 1.32135E-27 | 54.44511 |
| *GPM6A* | -2.39643 | -0.31061 | -12.1317 | 3.82538E-29 | 5.82663E-28 | 55.29119 |
| *NTN1* | -2.39383 | 1.513347 | -17.8718 | 3.27813E-53 | 2.47692E-51 | 110.3075 |
| *ITM2A* | -2.39359 | 3.285609 | -15.4176 | 1.31571E-42 | 5.10444E-41 | 85.95023 |
| *HMP19* | -2.39347 | -0.31854 | -16.3163 | 1.86864E-46 | 9.34481E-45 | 94.87317 |
| *CAPN9* | -2.3905 | 2.812385 | -9.28465 | 9.64766E-19 | 6.62435E-18 | 31.38061 |
| *PTGS1* | -2.38857 | 3.149443 | -16.7008 | 4.0853E-48 | 2.31006E-46 | 98.58115 |
| *GFRA1* | -2.3882 | 0.402927 | -14.4801 | 1.18074E-38 | 3.49836E-37 | 77.01146 |
| *FCER2* | -2.38618 | -0.02683 | -11.0673 | 4.4199E-25 | 4.94361E-24 | 46.01255 |
| *PIRT* | -2.38518 | -0.35445 | -15.9814 | 5.14331E-45 | 2.36688E-43 | 91.57897 |
| *PRKACB* | -2.38231 | 4.280902 | -12.6111 | 4.97176E-31 | 8.81418E-30 | 59.41645 |
| *PDE3A* | -2.3814 | 2.685123 | -13.6448 | 3.36869E-35 | 7.91963E-34 | 68.9912 |
| *LRMP* | -2.38083 | 1.205664 | -16.2569 | 3.36762E-46 | 1.64604E-44 | 94.2531 |
| *EPHA7* | -2.37904 | 0.042364 | -11.8031 | 7.18342E-28 | 9.84123E-27 | 52.37541 |
| *IL1R2* | -2.37811 | 3.080843 | -11.1335 | 2.5021E-25 | 2.85203E-24 | 46.39801 |
| *JAM2* | -2.36838 | 1.516273 | -19.953 | 2.37536E-62 | 3.16161E-60 | 131.2598 |
| *MPEG1* | -2.36831 | 3.906198 | -12.7082 | 2.04297E-31 | 3.7054E-30 | 60.30446 |
| *MT2A* | -2.36483 | 6.99957 | -10.7155 | 8.82866E-24 | 8.82509E-23 | 42.84967 |
| *VPREB3* | -2.36447 | 1.546881 | -11.9851 | 1.42195E-28 | 2.05205E-27 | 53.89153 |
| *SFRP5* | -2.36318 | -0.13947 | -9.39118 | 4.21067E-19 | 2.95927E-18 | 32.39389 |
| *NR5A2* | -2.36082 | 2.340869 | -18.2327 | 8.6303E-55 | 7.07725E-53 | 113.9071 |
| *THRB* | -2.35552 | 1.345143 | -13.9647 | 1.63069E-36 | 4.25578E-35 | 72.06784 |
| *DAO* | -2.35126 | -0.64312 | -22.9674 | 1.38924E-75 | 4.00634E-73 | 161.54 |
| *PLCD1* | -2.35076 | 3.845097 | -20.5836 | 3.98141E-65 | 6.26276E-63 | 137.6009 |
| *LGALS9B* | -2.35074 | 1.488674 | -10.3543 | 1.80765E-22 | 1.63245E-21 | 39.95566 |
| *CPA3* | -2.34971 | 3.305413 | -9.48319 | 2.04777E-19 | 1.47451E-18 | 32.89832 |
| *MS4A10* | -2.33982 | -0.66318 | -14.6089 | 3.41434E-39 | 1.05875E-37 | 78.25918 |
| *TSPAN1* | -2.33962 | 8.626498 | -11.5398 | 7.31872E-27 | 9.39434E-26 | 49.90894 |
| *SLC23A1* | -2.33933 | 1.244712 | -12.8351 | 6.36977E-32 | 1.19282E-30 | 61.56584 |
| *PDZD4* | -2.33411 | 0.358638 | -15.9051 | 1.09179E-44 | 4.89129E-43 | 90.82252 |
| *CES2* | -2.33321 | 6.733144 | -11.7492 | 1.15765E-27 | 1.56246E-26 | 51.71833 |
| *SULT1A1* | -2.33233 | 2.808541 | -16.6723 | 5.42868E-48 | 3.03008E-46 | 98.30591 |
| *OMD* | -2.33154 | 0.188705 | -9.87502 | 9.0633E-21 | 7.24687E-20 | 36.18046 |
| *ARHGAP44* | -2.32505 | 2.654201 | -15.0463 | 4.93256E-41 | 1.7312E-39 | 82.35936 |
| *SGCA* | -2.32386 | 0.93332 | -12.258 | 1.22714E-29 | 1.948E-28 | 56.36948 |
| *ITM2C* | -2.30995 | 9.103488 | -12.2564 | 1.24519E-29 | 1.97303E-28 | 56.24605 |
| *RASD2* | -2.30902 | 2.789828 | -13.6778 | 2.4675E-35 | 5.92165E-34 | 69.29946 |
| *LPAR1* | -2.30849 | 2.723224 | -16.8168 | 1.28449E-48 | 7.61148E-47 | 99.7433 |
| *CASP5* | -2.3054 | 3.326051 | -10.8584 | 2.63277E-24 | 2.75589E-23 | 44.05754 |
| *CCDC68* | -2.29815 | 2.8497 | -15.4665 | 8.15188E-43 | 3.21303E-41 | 86.43746 |
| *SHISA3* | -2.29774 | 0.926302 | -11.5177 | 8.88287E-27 | 1.13516E-25 | 49.839 |
| *KCNMB1* | -2.29569 | 1.480407 | -12.578 | 6.7241E-31 | 1.1788E-29 | 59.21674 |
| *SLIT3* | -2.29071 | 1.544967 | -16.2627 | 3.17879E-46 | 1.55815E-44 | 94.29902 |
| *TRIM40* | -2.28634 | 1.327604 | -12.1723 | 2.65431E-29 | 4.08608E-28 | 55.57646 |
| *SLCO2A1* | -2.28367 | 3.822201 | -14.9157 | 1.75523E-40 | 5.9434E-39 | 81.07182 |
| *CEACAM1* | -2.28337 | 6.947744 | -12.2985 | 8.51228E-30 | 1.37396E-28 | 56.6002 |
| *CNTN3* | -2.27837 | 0.220996 | -10.3208 | 2.38579E-22 | 2.13561E-21 | 39.77701 |
| *PRKCB* | -2.2747 | 1.086709 | -16.4366 | 5.66193E-47 | 2.94199E-45 | 96.03545 |
| *AOC3* | -2.2745 | 3.634459 | -11.2136 | 1.25369E-25 | 1.4598E-24 | 47.07155 |
| *LDB3* | -2.26478 | 0.061389 | -12.4159 | 2.9402E-30 | 4.85905E-29 | 57.83243 |
| *KRTAP13-2* | -2.26334 | -0.65304 | -13.9548 | 1.79189E-36 | 4.64149E-35 | 72.03836 |
| *NPY* | -2.26236 | -0.31477 | -12.1368 | 3.65308E-29 | 5.57401E-28 | 55.33829 |
| *EDIL3* | -2.25839 | 3.585692 | -15.1778 | 1.37101E-41 | 4.93193E-40 | 83.61308 |
| *NAT2* | -2.25625 | 3.372547 | -10.658 | 1.43285E-23 | 1.41591E-22 | 42.37659 |
| *PTGDR2* | -2.24592 | 1.171017 | -13.6678 | 2.71241E-35 | 6.47349E-34 | 69.28963 |
| *BMX* | -2.2381 | 1.005482 | -13.9331 | 2.20099E-36 | 5.66722E-35 | 71.79637 |
| *TCF21* | -2.2376 | 1.629527 | -19.7858 | 1.29328E-61 | 1.66997E-59 | 129.5727 |
| *ASPA* | -2.23656 | -0.31931 | -22.2238 | 2.4788E-72 | 5.6435E-70 | 154.0978 |
| *HPSE2* | -2.231 | -0.06267 | -16.7983 | 1.54549E-48 | 9.06493E-47 | 99.63851 |
| *CIDEC* | -2.22953 | 1.722935 | -10.4452 | 8.50474E-23 | 7.89049E-22 | 40.69321 |
| *TNFRSF13B* | -2.22771 | -0.15841 | -14.0171 | 9.90633E-37 | 2.61295E-35 | 72.62887 |
| *FMO5* | -2.22614 | 3.142666 | -14.5095 | 8.89625E-39 | 2.66318E-37 | 77.17746 |
| *SGK1* | -2.22295 | 3.653158 | -15.0099 | 7.02707E-41 | 2.45635E-39 | 81.9856 |
| *TPSB2* | -2.21951 | 3.200833 | -9.39377 | 4.12629E-19 | 2.9035E-18 | 32.21009 |
| *FLNC* | -2.21852 | 3.458807 | -9.12367 | 3.33893E-18 | 2.19671E-17 | 30.1348 |
| *SLC38A4* | -2.21835 | 1.241502 | -9.04818 | 5.94831E-18 | 3.84905E-17 | 29.69785 |
| *CCBE1* | -2.21675 | -0.11134 | -12.4497 | 2.16187E-30 | 3.61071E-29 | 58.1418 |
| *MYOM1* | -2.21438 | 0.512636 | -15.4815 | 7.03808E-43 | 2.78036E-41 | 86.68071 |
| *MAOA* | -2.21334 | 5.994322 | -10.991 | 8.50139E-25 | 9.24573E-24 | 45.1612 |
| *ABCB1* | -2.21033 | 3.930198 | -7.81546 | 4.6787E-14 | 2.16632E-13 | 20.70151 |
| *ACADS* | -2.20633 | 6.068678 | -15.8043 | 2.94931E-44 | 1.27262E-42 | 89.71925 |
| *MYOCD* | -2.20355 | 0.755324 | -13.3414 | 5.81329E-34 | 1.25109E-32 | 66.27438 |
| *CNR1* | -2.20117 | -0.32731 | -13.4999 | 1.31634E-34 | 2.94652E-33 | 67.77546 |
| *CP* | -2.20055 | 0.475022 | -9.91131 | 6.76428E-21 | 5.45906E-20 | 36.46168 |
| *ASPG* | -2.20001 | 0.243241 | -10.5233 | 4.43403E-23 | 4.21087E-22 | 41.44477 |
| *TM6SF2* | -2.19635 | 0.703851 | -11.8348 | 5.41889E-28 | 7.46521E-27 | 52.63011 |
| *CLIC5* | -2.19197 | 4.141646 | -13.6289 | 3.91229E-35 | 9.13555E-34 | 68.81488 |
| *POU2AF1* | -2.18673 | 1.734593 | -11.1599 | 1.99177E-25 | 2.28538E-24 | 46.70214 |
| *CKB* | -2.18399 | 8.516144 | -6.15528 | 1.78974E-09 | 5.65934E-09 | 10.37186 |
| *CPNE8* | -2.18387 | 1.820837 | -17.5304 | 1.01473E-51 | 7.16651E-50 | 106.8871 |
| *ADRA2A* | -2.18168 | 3.151726 | -9.83436 | 1.25695E-20 | 9.9401E-20 | 35.66819 |
| *UCHL1* | -2.18006 | 2.345108 | -11.3876 | 2.76987E-26 | 3.37514E-25 | 48.61754 |
| *NEFL* | -2.17821 | -0.15782 | -8.52586 | 2.96502E-16 | 1.66354E-15 | 25.92859 |
| *SFRP2* | -2.17098 | 5.040844 | -4.92875 | 1.20463E-06 | 2.90545E-06 | 4.016726 |
| *NEGR1* | -2.16748 | 0.420954 | -17.7234 | 1.45868E-52 | 1.05604E-50 | 108.8492 |
| *FAM46C* | -2.16526 | 3.710891 | -12.3239 | 6.76313E-30 | 1.09367E-28 | 56.83062 |
| *MYO1A* | -2.16198 | 5.608736 | -10.0428 | 2.33074E-21 | 1.93889E-20 | 37.31029 |
| *PYGM* | -2.16112 | 0.179229 | -13.3835 | 3.91859E-34 | 8.51801E-33 | 66.68734 |
| *LMO3* | -2.1607 | 0.086666 | -11.1283 | 2.61573E-25 | 2.97371E-24 | 46.5367 |
| *MS4A8* | -2.16009 | 2.902791 | -8.83652 | 2.95332E-17 | 1.81018E-16 | 28.00068 |
| *FXYD1* | -2.15879 | -0.03553 | -13.3289 | 6.52914E-34 | 1.39819E-32 | 66.18403 |
| *ABCB11* | -2.15866 | -0.58813 | -18.8834 | 1.20528E-57 | 1.18494E-55 | 120.4852 |
| *SLAMF7* | -2.15271 | 2.993692 | -10.3057 | 2.70121E-22 | 2.40674E-21 | 39.47833 |
| *PTPRH* | -2.15119 | 5.01882 | -14.3103 | 6.02194E-38 | 1.7166E-36 | 75.25367 |
| *TPSAB1* | -2.15085 | 3.464575 | -9.50598 | 1.71184E-19 | 1.24245E-18 | 33.07415 |
| *FCRLA* | -2.1487 | 0.239937 | -10.9322 | 1.40458E-24 | 1.503E-23 | 44.86813 |
| *NAAA* | -2.14268 | 4.53644 | -17.9611 | 1.33309E-53 | 1.02518E-51 | 111.1528 |
| *PID1* | -2.14247 | 3.895887 | -9.98423 | 3.75021E-21 | 3.07681E-20 | 36.84872 |
| *TLR3* | -2.14233 | 2.291308 | -17.0269 | 1.5765E-49 | 9.84771E-48 | 101.8483 |
| *RUNDC3B* | -2.14143 | 0.641639 | -13.4537 | 2.03138E-34 | 4.5295E-33 | 67.32388 |
| *BEX4* | -2.14128 | 3.903612 | -11.6982 | 1.81714E-27 | 2.41862E-26 | 51.27123 |
| *PAQR5* | -2.14023 | 3.279124 | -13.888 | 3.37734E-36 | 8.58123E-35 | 71.26631 |
| *LTK* | -2.13913 | 2.129045 | -9.54609 | 1.24786E-19 | 9.15681E-19 | 33.45035 |
| *JPH2* | -2.13901 | 1.286203 | -11.483 | 1.20417E-26 | 1.52531E-25 | 49.52311 |
| *CLC* | -2.13839 | 1.866341 | -6.29352 | 7.99976E-10 | 2.60973E-09 | 11.24086 |
| *PRKAR2B* | -2.13825 | 2.204366 | -14.0018 | 1.14612E-36 | 3.00019E-35 | 72.38148 |
| *KLRB1* | -2.13751 | 2.352075 | -13.9246 | 2.38746E-36 | 6.13823E-35 | 71.64441 |
| *CD79B* | -2.13545 | 2.091276 | -12.8025 | 8.59723E-32 | 1.59783E-30 | 61.22982 |
| *SUGCT* | -2.13126 | 1.711909 | -16.5428 | 1.9701E-47 | 1.04888E-45 | 97.06489 |
| *C1orf95* | -2.12844 | 0.170449 | -8.67076 | 1.01807E-16 | 5.9372E-16 | 26.97723 |
| *SPARCL1* | -2.12687 | 5.670775 | -9.73273 | 2.83665E-20 | 2.18339E-19 | 34.83515 |
| *KIAA1211* | -2.12365 | 2.501512 | -14.719 | 1.17879E-39 | 3.76322E-38 | 79.21113 |
| *RDH5* | -2.11982 | 1.396424 | -18.6392 | 1.42299E-56 | 1.2959E-54 | 118.0229 |
| *CD27* | -2.11731 | 2.755725 | -12.0884 | 5.64189E-29 | 8.46674E-28 | 54.75152 |
| *NXPE2* | -2.11667 | 1.763741 | -10.0003 | 3.29057E-21 | 2.71127E-20 | 37.07925 |
| *ANK2* | -2.11361 | 0.214418 | -15.7378 | 5.67953E-44 | 2.40276E-42 | 89.19091 |
| *L1CAM* | -2.11263 | 1.582542 | -8.63755 | 1.30212E-16 | 7.50772E-16 | 26.63045 |
| *TNS1* | -2.11262 | 3.7495 | -10.1904 | 6.9804E-22 | 6.04513E-21 | 38.51704 |
| *TCL1A* | -2.11195 | 0.094091 | -7.69486 | 1.07128E-13 | 4.85244E-13 | 20.12836 |
| *GGT6* | -2.11181 | 5.814689 | -7.91113 | 2.40925E-14 | 1.14431E-13 | 21.34658 |
| *MYL9* | -2.10618 | 7.306372 | -8.63537 | 1.32323E-16 | 7.6243E-16 | 26.49415 |
| *CYBRD1* | -2.10547 | 4.488343 | -10.689 | 1.10391E-23 | 1.09523E-22 | 42.61833 |
| *AGTR1* | -2.09981 | -0.19487 | -10.6832 | 1.15963E-23 | 1.14986E-22 | 42.78632 |
| *GPER1* | -2.09978 | 1.430436 | -11.9742 | 1.56661E-28 | 2.25328E-27 | 53.82209 |
| *MPZ* | -2.09648 | 1.178245 | -14.55 | 6.02322E-39 | 1.85115E-37 | 77.6593 |
| *PAPSS2* | -2.09559 | 6.070864 | -11.5521 | 6.57454E-27 | 8.47054E-26 | 49.98706 |
| *TMOD1* | -2.09482 | 0.675999 | -12.1092 | 4.68223E-29 | 7.07569E-28 | 55.07101 |
| *HSPB7* | -2.09324 | 1.666053 | -9.20794 | 1.74631E-18 | 1.17272E-17 | 30.88268 |
| *OTC* | -2.09175 | 1.617979 | -7.50374 | 3.90702E-13 | 1.68755E-12 | 18.74013 |
| *TRANK1* | -2.0868 | 3.220136 | -19.4648 | 3.34457E-60 | 3.88397E-58 | 126.3079 |
| *MADCAM1* | -2.08644 | 0.881945 | -11.4459 | 1.66536E-26 | 2.07906E-25 | 49.23206 |
| *NEURL1* | -2.08607 | 2.359291 | -9.43837 | 2.91078E-19 | 2.07264E-18 | 32.60107 |
| *PSD* | -2.08553 | 1.512886 | -12.2614 | 1.19014E-29 | 1.89273E-28 | 56.37523 |
| *MGP* | -2.0814 | 5.469093 | -7.9733 | 1.56046E-14 | 7.54206E-14 | 21.77356 |
| *NCAM1* | -2.08106 | 0.460259 | -14.2954 | 6.9464E-38 | 1.97039E-36 | 75.26033 |
| *CCDC152* | -2.08096 | 0.627277 | -13.4114 | 3.01832E-34 | 6.64452E-33 | 66.93414 |
| *BMP2* | -2.0783 | 3.829067 | -12.5023 | 1.34027E-30 | 2.28931E-29 | 58.4378 |
| *PPP1R14A* | -2.07726 | 3.50871 | -11.8905 | 3.30465E-28 | 4.61877E-27 | 52.97216 |
| *UGP2* | -2.07395 | 5.717671 | -21.1227 | 1.69103E-67 | 3.01648E-65 | 143.0413 |
| *CCR2* | -2.07372 | 0.99552 | -12.3945 | 3.56778E-30 | 5.87936E-29 | 57.61078 |
| *EDN2* | -2.07282 | 1.165742 | -10.0177 | 2.85847E-21 | 2.36312E-20 | 37.26766 |
| *HBA2* | -2.07262 | 3.171059 | -8.26766 | 1.93279E-15 | 1.00823E-14 | 23.86413 |
| *GSTM5* | -2.07162 | 0.154182 | -18.4751 | 7.46998E-56 | 6.52793E-54 | 116.3827 |
| *PLCE1* | -2.06776 | 2.760313 | -20.3266 | 5.38223E-64 | 8.09814E-62 | 135.0173 |
| *CXCL13* | -2.06737 | 2.968205 | -6.98918 | 1.12996E-11 | 4.33135E-11 | 15.3368 |
| *XPNPEP2* | -2.06722 | 2.726347 | -6.73386 | 5.61334E-11 | 2.02772E-10 | 13.77847 |
| *PCP4L1* | -2.06629 | 0.15719 | -8.53657 | 2.74103E-16 | 1.54187E-15 | 26.00342 |
| *CDH19* | -2.06497 | -0.47835 | -14.2143 | 1.50991E-37 | 4.20032E-36 | 74.49491 |
| *FRMD3* | -2.06228 | 1.691676 | -12.6802 | 2.64041E-31 | 4.75906E-30 | 60.14519 |
| *PTPRR* | -2.06159 | 2.512759 | -10.3076 | 2.66106E-22 | 2.37464E-21 | 39.51935 |
| *SLC9A9* | -2.05993 | 1.416398 | -18.7817 | 3.37184E-57 | 3.20565E-55 | 119.4573 |
| *CLDN5* | -2.04961 | 2.876565 | -12.5468 | 8.94113E-31 | 1.55642E-29 | 58.8663 |
| *LGI4* | -2.04796 | 1.48096 | -12.5013 | 1.3532E-30 | 2.30685E-29 | 58.53761 |
| *CCL15-CCL14* | -2.04671 | 1.085362 | -12.1708 | 2.69071E-29 | 4.13843E-28 | 55.59679 |
| *KIT* | -2.04539 | 2.06831 | -12.5189 | 1.15276E-30 | 1.98469E-29 | 58.65698 |
| *MFSD4* | -2.04316 | 2.61352 | -11.5607 | 6.09602E-27 | 7.87748E-26 | 50.1123 |
| *PCSK2* | -2.04091 | -0.697 | -20.1474 | 3.31074E-63 | 4.77381E-61 | 133.2194 |
| *SLC1A1* | -2.03987 | 3.686963 | -10.543 | 3.76155E-23 | 3.60388E-22 | 41.41447 |
| *MATN2* | -2.0349 | 3.994919 | -10.1549 | 9.33884E-22 | 8.00743E-21 | 38.22513 |
| *PDE2A* | -2.03345 | 0.976815 | -18.0195 | 7.402E-54 | 5.87508E-52 | 111.8095 |
| *MIER3* | -2.03241 | 4.309786 | -19.6513 | 5.05745E-61 | 6.20832E-59 | 128.1815 |
| *PPP2R3A* | -2.03044 | 1.730875 | -20.0139 | 1.28113E-62 | 1.75932E-60 | 131.8754 |
| *IGFBP6* | -2.03024 | 4.314212 | -10.7587 | 6.13132E-24 | 6.23327E-23 | 43.20358 |
| *C8orf88* | -2.02867 | 0.707653 | -10.9382 | 1.33429E-24 | 1.43132E-23 | 44.90466 |
| *FRMD1* | -2.02838 | 2.156529 | -9.25909 | 1.1761E-18 | 8.02131E-18 | 31.23683 |
| *S100B* | -2.02737 | 2.484269 | -12.1155 | 4.42198E-29 | 6.68825E-28 | 55.00996 |
| *TBX10* | -2.02491 | 2.206344 | -7.64635 | 1.49106E-13 | 6.66319E-13 | 19.64197 |
| *GPA33* | -2.02453 | 7.854319 | -9.20633 | 1.76807E-18 | 1.18623E-17 | 30.7654 |
| *PDCD4* | -2.02432 | 6.060393 | -18.2366 | 8.29778E-55 | 6.83698E-53 | 113.9191 |
| *GNG13* | -2.02127 | 0.179541 | -7.6966 | 1.05868E-13 | 4.79664E-13 | 20.13806 |
| *C1QTNF7* | -2.02112 | 0.078127 | -13.8595 | 4.42621E-36 | 1.10995E-34 | 71.14339 |
| *CRYAB* | -2.02063 | 3.262358 | -11.5425 | 7.1516E-27 | 9.19347E-26 | 49.92643 |
| *PIGZ* | -2.01922 | 4.726065 | -9.72926 | 2.91626E-20 | 2.24167E-19 | 34.80842 |
| *APOBR* | -2.01404 | 5.076163 | -9.57512 | 9.92187E-20 | 7.32416E-19 | 33.59487 |
| *SPDEF* | -2.01244 | 4.446132 | -5.9203 | 6.81109E-09 | 2.05067E-08 | 9.038887 |
| *PPAP2A* | -2.00678 | 5.296477 | -18.7512 | 4.58646E-57 | 4.31302E-55 | 119.0979 |
| *PCSK1N* | -2.00595 | 1.934265 | -6.01117 | 4.0819E-09 | 1.25007E-08 | 9.655206 |
| *SLCO4C1* | -2.00409 | -0.36562 | -13.4371 | 2.3721E-34 | 5.25537E-33 | 67.18924 |
| *PPP1R12B* | -2.00357 | 2.937393 | -13.5451 | 8.60661E-35 | 1.96465E-33 | 68.05833 |
| *MYOT* | -2.00193 | -0.4393 | -15.2247 | 8.67138E-42 | 3.16542E-40 | 84.19494 |
| *CPNE5* | -2.00125 | 2.270674 | -16.3918 | 8.83473E-47 | 4.53612E-45 | 95.55331 |
| *HIST1H1C* | -2.00022 | 6.143579 | -8.79868 | 3.92281E-17 | 2.37413E-16 | 27.6828 |
| *GNG8* | -1.99958 | 0.450067 | -8.71985 | 7.06808E-17 | 4.17118E-16 | 27.33032 |
| *SPON1* | -1.99956 | 4.116488 | -7.45479 | 5.42173E-13 | 2.31692E-12 | 18.28848 |
| *ADAMTSL3* | -1.99953 | 0.181968 | -12.3697 | 4.47097E-30 | 7.30511E-29 | 57.42125 |
| *SCG3* | -1.99833 | -0.21796 | -9.63837 | 6.01193E-20 | 4.52674E-19 | 34.32467 |
| *FOXF2* | -1.99656 | 3.001973 | -13.2114 | 1.95509E-33 | 4.03687E-32 | 64.95113 |
| *PPARGC1A* | -1.9946 | 1.846095 | -12.1893 | 2.27813E-29 | 3.52265E-28 | 55.71206 |
| *ASAP3* | -1.9933 | 3.036437 | -17.9067 | 2.30722E-53 | 1.75096E-51 | 110.6243 |
| *CD48* | -1.99281 | 2.933019 | -11.674 | 2.24926E-27 | 2.98002E-26 | 51.08769 |
| *P2RX1* | -1.99243 | 0.984474 | -15.8541 | 1.80525E-44 | 7.90791E-43 | 90.31585 |
| *PHGR1* | -1.98977 | 8.842381 | -6.12357 | 2.14855E-09 | 6.74339E-09 | 10.19569 |
| *KIAA0513* | -1.9894 | 2.553607 | -17.4085 | 3.44729E-51 | 2.34837E-49 | 105.6504 |
| *CMBL* | -1.9887 | 6.061339 | -8.27729 | 1.8035E-15 | 9.43062E-15 | 23.90279 |
| *CD22* | -1.98582 | 0.63568 | -9.76431 | 2.20389E-20 | 1.7162E-19 | 35.29839 |
| *FXYD6* | -1.98492 | 2.372561 | -12.0398 | 8.72116E-29 | 1.29308E-27 | 54.34365 |
| *SOSTDC1* | -1.98251 | 2.446122 | -7.84292 | 3.86945E-14 | 1.8037E-13 | 20.95353 |
| *TAGLN3* | -1.98192 | -0.25946 | -10.2646 | 3.79365E-22 | 3.34394E-21 | 39.33346 |
| *WDR78* | -1.97895 | 0.959982 | -14.375 | 3.23964E-38 | 9.34259E-37 | 76.00325 |
| *TUBB4A* | -1.97776 | -0.21038 | -12.81 | 8.02362E-32 | 1.49544E-30 | 61.41167 |
| *HMCN2* | -1.97755 | 1.254632 | -11.5248 | 8.35081E-27 | 1.06874E-25 | 49.89727 |
| *NPY1R* | -1.97319 | 0.406755 | -8.86485 | 2.38671E-17 | 1.4728E-16 | 28.40575 |
| *SGK2* | -1.97254 | 3.91654 | -9.01714 | 7.53537E-18 | 4.8402E-17 | 29.3229 |
| *ETFDH* | -1.96743 | 3.874925 | -22.0811 | 1.04695E-71 | 2.32247E-69 | 152.7017 |
| *RCAN2* | -1.96539 | 2.781474 | -16.9719 | 2.73147E-49 | 1.67598E-47 | 101.2897 |
| *SNCG* | -1.96465 | 2.29723 | -12.1422 | 3.48209E-29 | 5.32249E-28 | 55.26197 |
| *RHBDL2* | -1.96341 | 3.136404 | -9.74296 | 2.61408E-20 | 2.02106E-19 | 34.94915 |
| *BMP6* | -1.96058 | 1.266693 | -13.4911 | 1.42989E-34 | 3.19655E-33 | 67.65277 |
| *AOC1* | -1.958 | 7.419045 | -9.65848 | 5.12469E-20 | 3.87724E-19 | 34.26251 |
| *ABHD3* | -1.95465 | 4.682682 | -15.7391 | 5.60853E-44 | 2.37854E-42 | 89.07859 |
| *CYS1* | -1.95245 | 1.388219 | -13.8063 | 7.32627E-36 | 1.81354E-34 | 70.59742 |
| *CPED1* | -1.95206 | 1.756883 | -14.1949 | 1.81776E-37 | 5.04051E-36 | 74.24831 |
| *KIAA1644* | -1.95101 | 0.476507 | -11.4765 | 1.2743E-26 | 1.60592E-25 | 49.52728 |
| *CYP2C18* | -1.94854 | 1.761707 | -9.43597 | 2.96619E-19 | 2.10941E-18 | 32.63609 |
| *MRGPRF* | -1.9475 | 3.188005 | -10.6258 | 1.87826E-23 | 1.83717E-22 | 42.11839 |
| *GNG2* | -1.94548 | 2.20658 | -18.7287 | 5.75996E-57 | 5.35831E-55 | 118.9079 |
| *DCN* | -1.94514 | 5.174482 | -8.23683 | 2.41126E-15 | 1.2458E-14 | 23.6145 |
| *ATP6V0D2* | -1.94506 | 0.74151 | -12.1809 | 2.45872E-29 | 3.79173E-28 | 55.71407 |
| *CRABP1* | -1.94484 | 0.492912 | -7.03613 | 8.37387E-12 | 3.23928E-11 | 15.83819 |
| *COLEC12* | -1.94339 | 1.407662 | -11.7355 | 1.30601E-27 | 1.75585E-26 | 51.7336 |
| *EIF4E3* | -1.94134 | 2.742019 | -16.4741 | 3.90116E-47 | 2.03933E-45 | 96.35119 |
| *FBLN1* | -1.93986 | 5.017027 | -8.11923 | 5.57714E-15 | 2.79795E-14 | 22.78787 |
| *CHL1* | -1.93605 | 0.255033 | -13.2093 | 1.99328E-33 | 4.11082E-32 | 65.07722 |
| *GLIPR2* | -1.93477 | 4.316258 | -13.5414 | 8.9174E-35 | 2.03023E-33 | 67.99465 |
| *RNF150* | -1.92733 | 0.270911 | -12.1937 | 2.18941E-29 | 3.39153E-28 | 55.84585 |
| *NR3C1* | -1.92411 | 2.281232 | -16.3593 | 1.21924E-46 | 6.20483E-45 | 95.23443 |
| *LRRC66* | -1.92312 | 2.713522 | -12.4848 | 1.57179E-30 | 2.66634E-29 | 58.31724 |
| *TMEM59L* | -1.92255 | -0.03853 | -11.6507 | 2.76171E-27 | 3.63391E-26 | 51.05219 |
| *DPYD* | -1.9216 | 2.050826 | -12.4413 | 2.33474E-30 | 3.89192E-29 | 57.96373 |
| *CNTN4* | -1.91271 | 0.326098 | -16.6516 | 6.66977E-48 | 3.68391E-46 | 98.18549 |
| *TOX* | -1.91205 | 2.616765 | -10.3684 | 1.60941E-22 | 1.46105E-21 | 40.01914 |
| *GPR128* | -1.91095 | 2.194783 | -7.66458 | 1.31712E-13 | 5.91952E-13 | 19.77056 |
| *IQGAP2* | -1.90797 | 4.033411 | -10.4064 | 1.17366E-22 | 1.07734E-21 | 40.28108 |
| *RGMA* | -1.90629 | 0.992665 | -11.0416 | 5.5106E-25 | 6.10044E-24 | 45.77111 |
| *GIMAP7* | -1.90615 | 3.564775 | -13.1534 | 3.35154E-33 | 6.79856E-32 | 64.39979 |
| *APOBEC3A* | -1.90486 | 0.471894 | -9.68673 | 4.09336E-20 | 3.11466E-19 | 34.69586 |
| *NGFR* | -1.90364 | 0.967083 | -9.58838 | 8.93471E-20 | 6.62371E-19 | 33.89874 |
| *MOCS1* | -1.90288 | 2.523925 | -15.079 | 3.59043E-41 | 1.27045E-39 | 82.69213 |
| *CCDC80* | -1.90211 | 2.992634 | -9.51178 | 1.63538E-19 | 1.19045E-18 | 33.1409 |
| *SMIM14* | -1.89719 | 4.996804 | -14.8815 | 2.44556E-40 | 8.23259E-39 | 80.73399 |
| *TINAG* | -1.89706 | 3.130819 | -8.18829 | 3.41185E-15 | 1.74145E-14 | 23.31001 |
| *SMIM6* | -1.89634 | 3.124414 | -12.8378 | 6.21487E-32 | 1.16633E-30 | 61.51075 |
| *GPM6B* | -1.89468 | 1.036643 | -14.0897 | 4.95917E-37 | 1.3283E-35 | 73.29487 |
| *TMEM56* | -1.89049 | 3.323822 | -11.3957 | 2.58141E-26 | 3.15438E-25 | 48.65274 |
| *CAPN13* | -1.89021 | 2.06513 | -8.97471 | 1.04031E-17 | 6.61539E-17 | 29.10064 |
| *THBS4* | -1.88882 | 1.54149 | -6.58566 | 1.39395E-10 | 4.87461E-10 | 13.00616 |
| *NDN* | -1.88685 | 3.803339 | -12.2274 | 1.61669E-29 | 2.53614E-28 | 55.96524 |
| *GSN* | -1.88571 | 6.505379 | -12.0855 | 5.78889E-29 | 8.66481E-28 | 54.68851 |
| *CPXM2* | -1.8821 | 2.231492 | -9.56739 | 1.05477E-19 | 7.76623E-19 | 33.62463 |
| *SLC28A2* | -1.87919 | 1.170485 | -5.58742 | 4.21344E-08 | 1.17098E-07 | 7.478079 |
| *TDP2* | -1.87648 | 6.631503 | -13.6277 | 3.9576E-35 | 9.21647E-34 | 68.80179 |
| *SEMA3G* | -1.87631 | 1.829616 | -14.1507 | 2.77259E-37 | 7.55497E-36 | 73.82756 |
| *KLF9* | -1.87589 | 3.727752 | -13.1532 | 3.35895E-33 | 6.80561E-32 | 64.39453 |
| *MUC12* | -1.8748 | 3.985728 | -5.41579 | 1.04305E-07 | 2.7912E-07 | 6.394378 |
| *SLC36A1* | -1.87337 | 3.604872 | -20.336 | 4.89638E-64 | 7.43176E-62 | 135.103 |
| *HAPLN1* | -1.87291 | 0.672195 | -12.4695 | 1.80597E-30 | 3.03975E-29 | 58.31037 |
| *PPP1R1A* | -1.87114 | -0.11451 | -8.51748 | 3.15309E-16 | 1.76277E-15 | 25.87103 |
| *FLVCR2* | -1.87029 | 2.057146 | -14.8267 | 4.15799E-40 | 1.37564E-38 | 80.27974 |
| *HSPA2* | -1.86467 | 3.359208 | -10.5511 | 3.51491E-23 | 3.37881E-22 | 41.49332 |
| *AGR3* | -1.86344 | 6.021171 | -5.43944 | 9.21816E-08 | 2.48097E-07 | 6.502844 |
| *SCNN1G* | -1.86082 | -0.25145 | -7.67487 | 1.22794E-13 | 5.53599E-13 | 19.99623 |
| *VIPR1* | -1.85692 | 3.894523 | -11.0751 | 4.13223E-25 | 4.63684E-24 | 45.88688 |
| *TEF* | -1.85667 | 3.683557 | -18.4112 | 1.42504E-55 | 1.23288E-53 | 115.6824 |
| *STAP1* | -1.85423 | 0.270417 | -10.6037 | 2.26111E-23 | 2.20416E-22 | 42.12515 |
| *CHRM2* | -1.85378 | -0.39007 | -8.63221 | 1.35459E-16 | 7.79205E-16 | 26.68896 |
| *STYK1* | -1.85281 | 3.233731 | -13.6997 | 2.00601E-35 | 4.84776E-34 | 69.50043 |
| *AMN* | -1.85041 | 4.932594 | -8.08464 | 7.12595E-15 | 3.54821E-14 | 22.54664 |
| *ELANE* | -1.84737 | -0.42092 | -14.3449 | 4.3226E-38 | 1.24036E-36 | 75.73357 |
| *TCEAL7* | -1.84729 | 1.823097 | -12.2116 | 1.86396E-29 | 2.90037E-28 | 55.92397 |
| *SLITRK6* | -1.84676 | 1.435948 | -5.98801 | 4.6537E-09 | 1.41966E-08 | 9.595792 |
| *APPL2* | -1.84624 | 5.267853 | -21.9545 | 3.75795E-71 | 7.92972E-69 | 151.4254 |
| *MASP1* | -1.84601 | 0.079368 | -8.41345 | 6.73864E-16 | 3.66317E-15 | 25.12384 |
| *RXRG* | -1.84459 | -0.51152 | -18.5751 | 2.72085E-56 | 2.43932E-54 | 117.3868 |
| *CDC14A* | -1.84375 | 2.081505 | -19.7191 | 2.54328E-61 | 3.21215E-59 | 128.8975 |
| *PHOX2B* | -1.84242 | -0.6711 | -20.3685 | 3.52051E-64 | 5.39075E-62 | 135.452 |
| *ST6GALNAC1* | -1.84093 | 6.404088 | -6.32391 | 6.68938E-10 | 2.19967E-09 | 11.30232 |
| *MSRB3* | -1.84092 | 3.077636 | -10.067 | 1.91397E-21 | 1.60311E-20 | 37.54265 |
| *IGSF9* | -1.83791 | 3.398287 | -12.2968 | 8.64461E-30 | 1.39401E-28 | 56.59822 |
| *P3H2* | -1.83616 | 2.551967 | -10.17 | 8.25095E-22 | 7.10987E-21 | 38.40733 |
| *GHR* | -1.83277 | 0.679466 | -9.98024 | 3.87328E-21 | 3.17477E-20 | 37.02253 |
| *MUC4* | -1.83224 | 2.954952 | -6.69435 | 7.16464E-11 | 2.56932E-10 | 13.53722 |
| *C16orf54* | -1.83057 | 1.558979 | -11.3997 | 2.49251E-26 | 3.05438E-25 | 48.8043 |
| *TTLL6* | -1.8271 | 0.770347 | -11.3914 | 2.67787E-26 | 3.26765E-25 | 48.78332 |
| *P2RY12* | -1.82554 | -0.10329 | -11.7627 | 1.02742E-27 | 1.39213E-26 | 52.03184 |
| *LRRC31* | -1.82453 | 3.507332 | -9.76553 | 2.18255E-20 | 1.70111E-19 | 35.11699 |
| *SMPD1* | -1.8236 | 5.083319 | -15.9227 | 9.18381E-45 | 4.13821E-43 | 90.87922 |
| *RETSAT* | -1.82263 | 6.587586 | -19.5065 | 2.19216E-60 | 2.5629E-58 | 126.7193 |
| *ZNF575* | -1.82209 | 2.013051 | -18.1938 | 1.2773E-54 | 1.04251E-52 | 113.5384 |
| *CITED2* | -1.82065 | 5.123425 | -16.8903 | 6.17007E-49 | 3.75918E-47 | 100.4489 |
| *SEMA3E* | -1.81974 | -0.55212 | -13.0614 | 7.87783E-33 | 1.55961E-31 | 63.69265 |
| *ATP2A3* | -1.81969 | 5.674461 | -8.78011 | 4.50776E-17 | 2.71108E-16 | 27.54313 |
| *SYNC* | -1.81829 | 0.914461 | -11.9235 | 2.46389E-28 | 3.48022E-27 | 53.42783 |
| *ENPP3* | -1.81776 | 2.981471 | -5.7283 | 1.9686E-08 | 5.67408E-08 | 8.052691 |
| *RMDN2* | -1.81769 | 1.69918 | -16.9947 | 2.17507E-49 | 1.33933E-47 | 101.5615 |
| *RPL10L* | -1.81722 | 0.504887 | -8.04258 | 9.59005E-15 | 4.71143E-14 | 22.49672 |
| *DUSP26* | -1.81617 | -0.11885 | -11.1434 | 2.29745E-25 | 2.62568E-24 | 46.67035 |
| *PROM2* | -1.81586 | 3.523131 | -6.80512 | 3.60499E-11 | 1.32464E-10 | 14.18389 |
| *CNTN1* | -1.81052 | -0.22536 | -11.471 | 1.33761E-26 | 1.68447E-25 | 49.48427 |
| *PALM* | -1.80987 | 2.104626 | -12.0238 | 1.00581E-28 | 1.47863E-27 | 54.23036 |
| *PPP1R16B* | -1.80981 | 1.985373 | -13.7903 | 8.52164E-36 | 2.09149E-34 | 70.41648 |
| *DDR2* | -1.80933 | 2.462194 | -10.9177 | 1.58987E-24 | 1.69081E-23 | 44.61003 |
| *PLIN1* | -1.80911 | 0.33581 | -7.35241 | 1.07028E-12 | 4.46456E-12 | 17.87056 |
| *UGDH* | -1.80522 | 5.910673 | -14.5128 | 8.62075E-39 | 2.58967E-37 | 77.18811 |
| *EVI2B* | -1.80385 | 3.387789 | -10.2438 | 4.50193E-22 | 3.94814E-21 | 38.96515 |
| *PAG1* | -1.80124 | 2.987013 | -15.9049 | 1.09399E-44 | 4.89129E-43 | 90.73461 |
| *HIGD1A* | -1.80038 | 6.802114 | -14.1752 | 2.19321E-37 | 6.03324E-36 | 73.97124 |
| *ADH6* | -1.79864 | 2.343014 | -8.54998 | 2.48385E-16 | 1.40222E-15 | 25.95016 |
| *ADIPOQ* | -1.79797 | -0.49012 | -6.16904 | 1.65294E-09 | 5.244E-09 | 10.65074 |
| *SYNPO* | -1.79794 | 4.353381 | -14.7522 | 8.55175E-40 | 2.77619E-38 | 79.49201 |
| *SLC15A1* | -1.79784 | 1.22749 | -6.24843 | 1.04184E-09 | 3.36888E-09 | 11.0776 |
| *CYP3A4* | -1.79629 | 0.057482 | -7.10163 | 5.49917E-12 | 2.16501E-11 | 16.2689 |
| *VAT1L* | -1.79584 | 1.061841 | -14.3473 | 4.22508E-38 | 1.2144E-36 | 75.74461 |
| *SLC2A4* | -1.79572 | 1.624119 | -11.2637 | 8.12696E-26 | 9.62497E-25 | 47.62685 |
| *KAT2B* | -1.79563 | 2.740482 | -17.0517 | 1.22993E-49 | 7.73874E-48 | 102.0893 |
| *LGALS4* | -1.79462 | 10.43632 | -11.3291 | 4.60823E-26 | 5.56429E-25 | 48.09779 |
| *EMP1* | -1.79298 | 5.404865 | -10.481 | 6.31332E-23 | 5.92404E-22 | 40.88589 |
| *TAGLN* | -1.79151 | 6.978152 | -6.81267 | 3.43886E-11 | 1.26494E-10 | 14.21218 |
| *LAMA1* | -1.78447 | 0.187984 | -10.6497 | 1.5366E-23 | 1.51412E-22 | 42.50876 |
| *FBXO32* | -1.7843 | 3.94048 | -11.7637 | 1.01813E-27 | 1.38061E-26 | 51.84855 |
| *CCL11* | -1.78427 | 3.389343 | -7.6261 | 1.71099E-13 | 7.59693E-13 | 19.44424 |
| *SNAP25* | -1.78417 | -0.19079 | -9.08175 | 4.60284E-18 | 2.9941E-17 | 30.03631 |
| *SLC22A5* | -1.78373 | 2.7366 | -20.0168 | 1.24386E-62 | 1.72179E-60 | 131.8925 |
| *DAAM2* | -1.77959 | 1.880518 | -16.4971 | 3.10388E-47 | 1.62747E-45 | 96.61978 |
| *POPDC2* | -1.77949 | 1.597403 | -9.99592 | 3.411E-21 | 2.80649E-20 | 37.08609 |
| *PPP1R14D* | -1.77857 | 6.841475 | -7.24089 | 2.22759E-12 | 9.04363E-12 | 16.89677 |
| *PDE5A* | -1.77744 | 2.732524 | -14.4917 | 1.05607E-38 | 3.13972E-37 | 77.03101 |
| *HMOX1* | -1.77629 | 5.202006 | -11.6279 | 3.37475E-27 | 4.4137E-26 | 50.64702 |
| *C4orf19* | -1.77602 | 4.320689 | -12.4994 | 1.37621E-30 | 2.34145E-29 | 58.40657 |
| *TMEM61* | -1.77557 | 1.786056 | -8.52171 | 3.05675E-16 | 1.71223E-15 | 25.79997 |
| *MCOLN2* | -1.77495 | 2.842107 | -8.50788 | 3.38293E-16 | 1.88701E-15 | 25.60955 |
| *ACAA2* | -1.77442 | 6.199022 | -12.6872 | 2.47676E-31 | 4.47342E-30 | 60.1066 |
| *SLC25A23* | -1.77034 | 5.594293 | -17.1161 | 6.45487E-50 | 4.1062E-48 | 102.6975 |
| *CES1* | -1.76854 | 3.057739 | -5.75782 | 1.67527E-08 | 4.8571E-08 | 8.205785 |
| *RCSD1* | -1.76761 | 2.228856 | -16.3804 | 9.88672E-47 | 5.06124E-45 | 95.45149 |
| *METTL24* | -1.76686 | -0.08385 | -11.1081 | 3.11256E-25 | 3.52005E-24 | 46.36942 |
| *B3GNT8* | -1.76613 | 5.211027 | -10.1369 | 1.08208E-21 | 9.24147E-21 | 38.06964 |
| *C10orf54* | -1.76547 | 4.632148 | -14.6758 | 1.78941E-39 | 5.67072E-38 | 78.75494 |
| *NGB* | -1.7636 | -0.70651 | -15.9497 | 7.03112E-45 | 3.2185E-43 | 91.24424 |
| *CCNJL* | -1.76217 | 2.623621 | -11.3741 | 3.11442E-26 | 3.77921E-25 | 48.5048 |
| *P2RY4* | -1.76097 | -0.55341 | -15.6222 | 1.76923E-43 | 7.22004E-42 | 88.04629 |
| *EEF1A2* | -1.76055 | 1.108707 | -7.09674 | 5.6751E-12 | 2.23123E-11 | 16.19116 |
| *TCEA3* | -1.76042 | 5.518181 | -8.4787 | 4.18791E-16 | 2.32106E-15 | 25.34151 |
| *HOXD1* | -1.76042 | 0.389211 | -8.54022 | 2.66855E-16 | 1.50257E-15 | 26.03325 |
| *TCN2* | -1.76036 | 4.501562 | -12.0243 | 1.00192E-28 | 1.47417E-27 | 54.14418 |
| *CFL2* | -1.75693 | 2.316809 | -13.0325 | 1.02965E-32 | 2.02685E-31 | 63.34385 |
| *SLC2A13* | -1.75509 | 2.222311 | -18.3835 | 1.88402E-55 | 1.60587E-53 | 115.4392 |
| *FAM163B* | -1.75325 | -0.07967 | -8.62122 | 1.4692E-16 | 8.43171E-16 | 26.62353 |
| *SLC4A10* | -1.75305 | -0.5051 | -11.8067 | 6.95827E-28 | 9.54032E-27 | 52.39151 |
| *SLC39A5* | -1.75168 | 6.079791 | -5.72049 | 2.05417E-08 | 5.90814E-08 | 7.960795 |
| *ADORA3* | -1.74906 | 1.03801 | -12.7531 | 1.35413E-31 | 2.4768E-30 | 60.87168 |
| *VSIG4* | -1.74859 | 3.698739 | -7.73861 | 7.9408E-14 | 3.63011E-13 | 20.19009 |
| *RERG* | -1.74808 | 1.285928 | -10.2036 | 6.26226E-22 | 5.43682E-21 | 38.7949 |
| *BCL2* | -1.74786 | 1.974576 | -14.1163 | 3.84864E-37 | 1.03405E-35 | 73.50023 |
| *TRPV3* | -1.74733 | -0.04835 | -11.4792 | 1.24463E-26 | 1.57426E-25 | 49.55993 |
| *PLA2G10* | -1.74731 | 3.014261 | -8.87458 | 2.21804E-17 | 1.37263E-16 | 28.29308 |
| *FUCA1* | -1.74683 | 7.121828 | -16.5497 | 1.83827E-47 | 9.81717E-46 | 97.07277 |
| *FMO4* | -1.74645 | 2.216371 | -16.2375 | 4.08333E-46 | 1.9791E-44 | 94.04096 |
| *CLMP* | -1.74545 | 2.64204 | -11.0107 | 7.18043E-25 | 7.86348E-24 | 45.38999 |
| *C7orf31* | -1.74539 | 2.165759 | -15.0739 | 3.77286E-41 | 1.33228E-39 | 82.66768 |
| *DPF3* | -1.74436 | 0.310098 | -11.0549 | 4.91803E-25 | 5.47246E-24 | 45.91679 |
| *HTR3E* | -1.74422 | -0.50619 | -10.3487 | 1.89413E-22 | 1.70877E-21 | 39.99204 |
| *GRAMD3* | -1.7438 | 3.788479 | -19.5834 | 1.0059E-60 | 1.20869E-58 | 127.5008 |
| *ENTPD3* | -1.74198 | 0.337026 | -8.85647 | 2.5421E-17 | 1.56534E-16 | 28.3541 |
| *GPR34* | -1.74116 | 2.510626 | -10.8287 | 3.38923E-24 | 3.52004E-23 | 43.86109 |
| *LIMS2* | -1.74098 | 2.715719 | -10.7999 | 4.32476E-24 | 4.47021E-23 | 43.60577 |
| *FNBP1* | -1.73906 | 3.992901 | -13.8034 | 7.53251E-36 | 1.85927E-34 | 70.45808 |
| *GZMA* | -1.73837 | 3.993696 | -7.33865 | 1.1721E-12 | 4.87404E-12 | 17.53489 |
| *PPP1R3C* | -1.73711 | 1.483333 | -10.04 | 2.38535E-21 | 1.98145E-20 | 37.4554 |
| *SIGLEC1* | -1.73578 | 1.604976 | -10.2144 | 5.73232E-22 | 4.99176E-21 | 38.85553 |
| *ARRDC4* | -1.73413 | 4.447267 | -12.9641 | 1.93764E-32 | 3.73768E-31 | 62.64293 |
| *ADHFE1* | -1.73031 | -0.03228 | -17.9833 | 1.0661E-53 | 8.30937E-52 | 111.4515 |
| *LYNX1* | -1.7274 | 0.793752 | -10.4845 | 6.12854E-23 | 5.76003E-22 | 41.12598 |
| *PEX26* | -1.72515 | 3.581925 | -23.697 | 9.23022E-79 | 3.2594E-76 | 168.8912 |
| *SLC41A2* | -1.72404 | 3.538015 | -13.4451 | 2.20096E-34 | 4.89501E-33 | 67.11108 |
| *ALDH1A1* | -1.72126 | 5.783731 | -5.7886 | 1.41482E-08 | 4.13873E-08 | 8.322562 |
| *FGFBP2* | -1.72112 | -0.03501 | -10.1643 | 8.64653E-22 | 7.43962E-21 | 38.52024 |
| *GLRA4* | -1.72107 | -0.20521 | -10.7618 | 5.97393E-24 | 6.08398E-23 | 43.43804 |
| *PLSCR4* | -1.71895 | 3.505721 | -15.6968 | 8.4996E-44 | 3.51839E-42 | 88.68027 |
| *ITPKA* | -1.71882 | 4.232772 | -8.31966 | 1.32924E-15 | 7.03359E-15 | 24.21067 |
| *NUGGC* | -1.71383 | 0.153695 | -10.3835 | 1.41979E-22 | 1.29571E-21 | 40.30976 |
| *ARL4D* | -1.71274 | 2.310943 | -11.5202 | 8.69133E-27 | 1.1115E-25 | 49.79607 |
| *OLFM1* | -1.71182 | 1.298175 | -10.9484 | 1.22266E-24 | 1.31483E-23 | 44.97409 |
| *PDLIM3* | -1.70977 | 2.761145 | -9.97491 | 4.04428E-21 | 3.30866E-20 | 36.82471 |
| *ZZEF1* | -1.70951 | 3.797591 | -17.6537 | 2.93987E-52 | 2.11073E-50 | 108.0784 |
| *CHRNA3* | -1.70824 | 0.632746 | -8.80104 | 3.85399E-17 | 2.33759E-16 | 27.93778 |
| *PTGDS* | -1.70731 | 4.045581 | -7.29268 | 1.58652E-12 | 6.52364E-12 | 17.23656 |
| *AQP7* | -1.70549 | 1.00779 | -10.3259 | 2.2874E-22 | 2.05072E-21 | 39.80825 |
| *PLCG2* | -1.70547 | 1.491065 | -13.8948 | 3.16761E-36 | 8.06017E-35 | 71.43862 |
| *GNA11* | -1.70458 | 6.119259 | -17.5339 | 9.79924E-52 | 6.94902E-50 | 106.8701 |
| *MRC1* | -1.70342 | 2.817146 | -8.12537 | 5.33942E-15 | 2.68491E-14 | 22.89206 |
| *ACSF2* | -1.70334 | 4.151163 | -11.1931 | 1.49638E-25 | 1.73421E-24 | 46.89174 |
| *ITIH5* | -1.70226 | 2.080817 | -12.0991 | 5.12328E-29 | 7.7287E-28 | 54.90923 |
| *FSIP2* | -1.70225 | -0.16552 | -11.8548 | 4.54E-28 | 6.27943E-27 | 52.83769 |
| *FAM189A2* | -1.70068 | 0.250077 | -9.62102 | 6.89946E-20 | 5.1725E-19 | 34.19139 |
| *GYPC* | -1.70001 | 3.071649 | -12.7773 | 1.08433E-31 | 1.99809E-30 | 60.96468 |
| *MXD1* | -1.69918 | 4.946215 | -12.3476 | 5.45785E-30 | 8.88403E-29 | 57.03243 |
| *KCNA3* | -1.69913 | 0.171147 | -10.5283 | 4.25243E-23 | 4.04729E-22 | 41.50324 |
| *PDGFD* | -1.69558 | 2.049862 | -13.9172 | 2.55937E-36 | 6.54132E-35 | 71.61501 |
| *SGCG* | -1.69553 | -0.68544 | -21.6109 | 1.21016E-69 | 2.35273E-67 | 147.972 |
| *ITGA8* | -1.69466 | 1.167275 | -14.7703 | 7.18261E-40 | 2.34492E-38 | 79.79306 |
| *DISP2* | -1.69365 | 0.789201 | -11.0665 | 4.44983E-25 | 4.97065E-24 | 46.00342 |
| *DHRS7C* | -1.6933 | -0.75748 | -19.1111 | 1.2027E-58 | 1.26892E-56 | 122.7751 |
| *OSBPL1A* | -1.68807 | 2.987308 | -12.4829 | 1.59961E-30 | 2.70905E-29 | 58.29433 |
| *ADAM33* | -1.68747 | 0.921879 | -9.92567 | 6.02342E-21 | 4.8748E-20 | 36.58287 |
| *VWA5A* | -1.68641 | 4.21429 | -10.3963 | 1.2764E-22 | 1.16793E-21 | 40.19676 |
| *DACT3* | -1.68463 | 1.36427 | -11.2957 | 6.15642E-26 | 7.36684E-25 | 47.93317 |
| *INA* | -1.68397 | -0.23431 | -9.05944 | 5.45847E-18 | 3.53605E-17 | 29.85942 |
| *MS4A4A* | -1.68199 | 2.926856 | -9.29803 | 8.69615E-19 | 5.99241E-18 | 31.50049 |
| *KCNK3* | -1.68181 | -0.25433 | -9.22708 | 1.50642E-18 | 1.01779E-17 | 31.1307 |
| *PIK3CG* | -1.68132 | 0.936168 | -11.3954 | 2.58617E-26 | 3.15797E-25 | 48.82072 |
| *MS4A2* | -1.68026 | 0.279891 | -9.63756 | 6.05112E-20 | 4.55427E-19 | 34.32186 |
| *PTGER4* | -1.67952 | 4.312618 | -12.5655 | 7.53707E-31 | 1.31731E-29 | 59.00561 |
| *SIGLEC8* | -1.67942 | 0.280562 | -10.0637 | 1.96605E-21 | 1.6442E-20 | 37.70954 |
| *CASP7* | -1.67722 | 6.006124 | -15.4647 | 8.29657E-43 | 3.25523E-41 | 86.39478 |
| *RAB27A* | -1.67349 | 3.913724 | -16.3206 | 1.79069E-46 | 8.98094E-45 | 94.80976 |
| *CBX7* | -1.67312 | 3.058174 | -16.9222 | 4.48669E-49 | 2.74322E-47 | 100.7936 |
| *TTC22* | -1.67303 | 4.138288 | -14.641 | 2.50591E-39 | 7.82666E-38 | 78.42514 |
| *SLC52A1* | -1.6724 | 0.386136 | -8.39958 | 7.45301E-16 | 4.03629E-15 | 25.02304 |
| *ENPP2* | -1.67077 | 2.898782 | -10.6084 | 2.17449E-23 | 2.12331E-22 | 41.9959 |
| *SCN4B* | -1.67071 | 0.597387 | -14.0169 | 9.92436E-37 | 2.61372E-35 | 72.62704 |
| *BLK* | -1.66988 | -0.01915 | -8.93795 | 1.37451E-17 | 8.64527E-17 | 28.96048 |
| *IL16* | -1.66923 | 1.318439 | -13.7979 | 7.93432E-36 | 1.95288E-34 | 70.53847 |
| *ACVRL1* | -1.66876 | 5.233823 | -10.864 | 2.51036E-24 | 2.63413E-23 | 44.08434 |
| *SLC3A1* | -1.66782 | 2.43559 | -7.59327 | 2.13738E-13 | 9.41766E-13 | 19.2911 |
| *FAM107B* | -1.66772 | 4.343185 | -11.3902 | 2.70585E-26 | 3.29946E-25 | 48.58667 |
| *SPPL2A* | -1.66556 | 4.668366 | -19.3713 | 8.62371E-60 | 9.75268E-58 | 125.3541 |
| *APOBEC3B* | -1.66433 | 3.687183 | -8.95884 | 1.17337E-17 | 7.42875E-17 | 28.89433 |
| *ACACB* | -1.66264 | 2.200017 | -14.9725 | 1.01062E-40 | 3.50436E-39 | 81.68946 |
| *FAM132A* | -1.66218 | 2.571167 | -8.74643 | 5.79788E-17 | 3.451E-16 | 27.37713 |
| *CHODL* | -1.66202 | -0.1238 | -10.3759 | 1.51139E-22 | 1.37423E-21 | 40.24155 |
| *EPHX2* | -1.66177 | 4.901306 | -9.41351 | 3.53617E-19 | 2.50007E-18 | 32.33813 |
| *FAM150B* | -1.66109 | 0.303701 | -9.61178 | 7.42317E-20 | 5.54112E-19 | 34.11911 |
| *MXI1* | -1.66078 | 4.896754 | -16.8581 | 8.51117E-49 | 5.16732E-47 | 100.1292 |
| *TMEM63C* | -1.6606 | 1.731421 | -7.40527 | 7.53974E-13 | 3.18195E-12 | 18.12391 |
| *FAIM3* | -1.65806 | 2.608545 | -10.5311 | 4.153E-23 | 3.96137E-22 | 41.37509 |
| *UNC5C* | -1.65342 | 0.358685 | -16.04 | 2.88344E-45 | 1.33046E-43 | 92.15592 |
| *AOX1* | -1.65204 | 0.863024 | -9.88064 | 8.66225E-21 | 6.94867E-20 | 36.22875 |
| *DDX60* | -1.65184 | 3.905438 | -10.1439 | 1.02136E-21 | 8.7358E-21 | 38.14136 |
| *ARMCX1* | -1.65164 | 2.500123 | -12.5009 | 1.35781E-30 | 2.31242E-29 | 58.48672 |
| *FAM180B* | -1.65072 | -0.70454 | -20.7865 | 5.09225E-66 | 8.47222E-64 | 139.67 |
| *OPN3* | -1.65001 | 2.802846 | -14.7279 | 1.08234E-39 | 3.47454E-38 | 79.29911 |
| *HTR4* | -1.6495 | -0.29344 | -9.74559 | 2.55968E-20 | 1.97989E-19 | 35.15253 |
| *CCL15* | -1.64819 | 3.314755 | -11.0456 | 5.32243E-25 | 5.89968E-24 | 45.6563 |
| *FAM151A* | -1.64429 | 1.383095 | -11.96 | 1.77882E-28 | 2.54161E-27 | 53.72962 |
| *CCL5* | -1.64405 | 4.927123 | -6.78517 | 4.08212E-11 | 1.49141E-10 | 14.03787 |
| *MOB3B* | -1.64319 | 3.838395 | -14.0513 | 7.15051E-37 | 1.9064E-35 | 72.80429 |
| *SETBP1* | -1.64246 | 0.800321 | -13.5438 | 8.71479E-35 | 1.98672E-33 | 68.18034 |
| *C8G* | -1.6424 | 2.214074 | -8.27395 | 1.84739E-15 | 9.65139E-15 | 23.99396 |
| *FAXDC2* | -1.64203 | 2.558072 | -10.5108 | 4.92057E-23 | 4.66524E-22 | 41.21136 |
| *FBLN2* | -1.64076 | 4.32214 | -6.40478 | 4.14213E-10 | 1.38925E-09 | 11.77595 |
| *GPRIN2* | -1.64067 | 3.57938 | -9.3652 | 5.15693E-19 | 3.60235E-18 | 31.98859 |
| *RSAD2* | -1.64054 | 2.518695 | -8.79743 | 3.95974E-17 | 2.39564E-16 | 27.75696 |
| *CECR1* | -1.63944 | 3.721673 | -8.71336 | 7.41796E-17 | 4.36427E-16 | 27.07117 |
| *PLCD3* | -1.63878 | 5.558221 | -10.7982 | 4.38846E-24 | 4.53335E-23 | 43.52992 |
| *SLC17A8* | -1.63663 | -0.77144 | -23.5606 | 3.61344E-78 | 1.22595E-75 | 167.5136 |
| *GALNT15* | -1.63632 | 0.685688 | -9.60561 | 7.79519E-20 | 5.8138E-19 | 34.06451 |
| *KCTD12* | -1.63604 | 4.479212 | -7.94822 | 1.85981E-14 | 8.91917E-14 | 21.60588 |
| *CAV1* | -1.63535 | 4.834999 | -9.70786 | 3.4592E-20 | 2.64375E-19 | 34.63959 |
| *PAQR8* | -1.6344 | 5.66405 | -10.1977 | 6.57583E-22 | 5.70048E-21 | 38.56287 |
| *MS4A7* | -1.6333 | 2.729903 | -10.3472 | 1.91748E-22 | 1.72893E-21 | 39.85118 |
| *ARHGEF37* | -1.63192 | 2.945465 | -14.2617 | 9.59921E-38 | 2.69635E-36 | 74.83121 |
| *SGCE* | -1.62982 | 2.875672 | -11.4123 | 2.23237E-26 | 2.74532E-25 | 48.82532 |
| *PTGIS* | -1.62941 | 1.935261 | -7.73044 | 8.39812E-14 | 3.83209E-13 | 20.26289 |
| *VILL* | -1.62898 | 4.958103 | -9.75753 | 2.32682E-20 | 1.80704E-19 | 35.03147 |
| *SLIT2* | -1.62723 | 0.81212 | -8.67781 | 9.66133E-17 | 5.64001E-16 | 27.02848 |
| *EFEMP1* | -1.62706 | 4.214403 | -7.42113 | 6.78546E-13 | 2.87485E-12 | 18.06905 |
| *FKBP1B* | -1.62672 | 1.791102 | -9.26283 | 1.14252E-18 | 7.79533E-18 | 31.33013 |
| *LSP1* | -1.62594 | 4.148641 | -9.87591 | 8.99811E-21 | 7.2014E-20 | 35.98144 |
| *C1orf210* | -1.62511 | 5.690182 | -14.2978 | 6.7917E-38 | 1.92967E-36 | 75.13323 |
| *PLA2G2D* | -1.62266 | 0.975899 | -6.19852 | 1.39337E-09 | 4.44743E-09 | 10.83655 |
| *CORO2B* | -1.62253 | 0.429913 | -9.78834 | 1.81822E-20 | 1.42356E-19 | 35.50895 |
| *TLR7* | -1.62163 | 0.64465 | -11.0293 | 6.12372E-25 | 6.75326E-24 | 45.69766 |
| *ATP8B1* | -1.62163 | 6.406176 | -12.6639 | 3.06536E-31 | 5.49637E-30 | 59.89487 |
| *MEF2C* | -1.62102 | 1.825126 | -15.3474 | 2.61641E-42 | 1.00159E-40 | 85.34697 |
| *ARHGEF25* | -1.62065 | 2.422602 | -10.8776 | 2.23688E-24 | 2.35574E-23 | 44.28664 |
| *HHIP* | -1.61961 | 0.327622 | -10.2057 | 6.15684E-22 | 5.34798E-21 | 38.85878 |
| *NEUROD1* | -1.61951 | -0.46781 | -6.61481 | 1.167E-10 | 4.1017E-10 | 13.22713 |
| *GP2* | -1.61947 | 0.350056 | -4.1139 | 4.70555E-05 | 9.64236E-05 | 0.79589 |
| *NEURL1B* | -1.61943 | 4.767879 | -12.2165 | 1.78436E-29 | 2.78403E-28 | 55.85669 |
| *CD19* | -1.6182 | 0.88607 | -8.36848 | 9.33937E-16 | 5.00152E-15 | 24.78791 |
| *SRI* | -1.61609 | 7.034451 | -13.6479 | 3.27196E-35 | 7.72277E-34 | 68.99212 |
| *CD1D* | -1.61566 | 1.993269 | -13.6381 | 3.58914E-35 | 8.40917E-34 | 68.99894 |
| *BEND5* | -1.61549 | 0.332036 | -11.5935 | 4.56844E-27 | 5.93897E-26 | 50.55524 |
| *KLK15* | -1.61508 | 0.820559 | -7.32585 | 1.27537E-12 | 5.28569E-12 | 17.68763 |
| *MAF* | -1.61506 | 3.068007 | -12.6659 | 3.01032E-31 | 5.40889E-30 | 59.95203 |
| *SLC25A20* | -1.61492 | 5.175945 | -15.3321 | 3.0376E-42 | 1.15516E-40 | 85.10244 |
| *B3GALT4* | -1.61099 | 3.933375 | -14.534 | 7.02414E-39 | 2.12852E-37 | 77.40294 |
| *DMRTA1* | -1.61076 | -0.57373 | -15.8689 | 1.56077E-44 | 6.88929E-43 | 90.45065 |
| *ENPP6* | -1.60948 | -0.47781 | -18.6352 | 1.48193E-56 | 1.34251E-54 | 117.9896 |
| *UGT1A1* | -1.60834 | -0.31031 | -7.52292 | 3.43485E-13 | 1.48881E-12 | 18.95856 |
| *TRPA1* | -1.60761 | 1.640756 | -8.01216 | 1.18803E-14 | 5.80201E-14 | 22.22241 |
| *ACKR2* | -1.60649 | 0.023552 | -12.6775 | 2.70653E-31 | 4.87317E-30 | 60.206 |
| *ENDOD1* | -1.60296 | 5.177873 | -16.6953 | 4.31407E-48 | 2.43148E-46 | 98.51161 |
| *SH2D6* | -1.60175 | 0.145372 | -7.4512 | 5.55296E-13 | 2.37125E-12 | 18.52019 |
| *ATP1B2* | -1.59832 | 0.297056 | -12.5866 | 6.21722E-31 | 1.09326E-29 | 59.38319 |
| *TRHDE* | -1.59807 | -0.07677 | -9.64315 | 5.78833E-20 | 4.36218E-19 | 34.35857 |
| *LRRN4CL* | -1.59805 | 1.748614 | -12.5986 | 5.5692E-31 | 9.84309E-30 | 59.43204 |
| *KCTD4* | -1.59738 | -0.53546 | -12.4767 | 1.69138E-30 | 2.85521E-29 | 58.33933 |
| *ATP8A1* | -1.59657 | 3.051551 | -10.7725 | 5.45445E-24 | 5.57792E-23 | 43.36187 |
| *IKZF1* | -1.59392 | 1.555098 | -11.0889 | 3.6709E-25 | 4.13256E-24 | 46.15587 |
| *GIMAP6* | -1.59367 | 3.06033 | -11.8934 | 3.22034E-28 | 4.50822E-27 | 53.02442 |
| *TXNIP* | -1.59298 | 8.450642 | -8.69227 | 8.67796E-17 | 5.08999E-16 | 26.92018 |
| *CLIP4* | -1.5924 | 0.854878 | -11.1306 | 2.56536E-25 | 2.92222E-24 | 46.5545 |
| *GIMAP8* | -1.59077 | 2.332197 | -14.2651 | 9.2898E-38 | 2.61368E-36 | 74.89863 |
| *HS3ST6* | -1.58987 | -0.58819 | -10.605 | 2.23805E-23 | 2.18415E-22 | 42.0719 |
| *NAT1* | -1.58973 | 3.372497 | -11.7877 | 8.22849E-28 | 1.12374E-26 | 52.07971 |
| *SSPN* | -1.58826 | 2.186323 | -12.012 | 1.11788E-28 | 1.63505E-27 | 54.13393 |
| *GLTP* | -1.58731 | 5.606341 | -22.8761 | 3.47703E-75 | 9.86279E-73 | 160.6831 |
| *SORCS1* | -1.58666 | -0.52794 | -15.2142 | 9.60922E-42 | 3.49303E-40 | 84.06683 |
| *CNNM4* | -1.58414 | 5.708547 | -15.523 | 4.6855E-43 | 1.87236E-41 | 86.96312 |
| *SPEG* | -1.58394 | 0.40269 | -7.78918 | 5.60884E-14 | 2.5818E-13 | 20.77325 |
| *ATP13A4* | -1.58388 | -0.0654 | -9.47453 | 2.19196E-19 | 1.57375E-18 | 33.04366 |
| *CD1C* | -1.58325 | 1.450207 | -9.28215 | 9.83623E-19 | 6.75114E-18 | 31.51586 |
| *AC131263.1* | -1.58311 | 2.302824 | -10.9596 | 1.1112E-24 | 1.20019E-23 | 44.99149 |
| *RGS2* | -1.5827 | 4.662599 | -8.00184 | 1.2773E-14 | 6.21168E-14 | 21.97436 |
| *PXMP2* | -1.58222 | 5.185645 | -15.0255 | 6.04086E-41 | 2.11589E-39 | 82.12566 |
| *ETHE1* | -1.58216 | 8.127079 | -12.8661 | 4.79007E-32 | 9.0582E-31 | 61.75481 |
| *STAB1* | -1.58185 | 3.629101 | -10.7408 | 7.13037E-24 | 7.20238E-23 | 43.07154 |
| *DSC2* | -1.58115 | 4.767167 | -11.7828 | 8.5966E-28 | 1.17216E-26 | 52.00758 |
| *MAN1A1* | -1.58036 | 5.192611 | -9.98868 | 3.61712E-21 | 2.97043E-20 | 36.87408 |
| *PINK1* | -1.5784 | 3.992146 | -16.1219 | 1.28179E-45 | 6.05981E-44 | 92.84938 |
| *ARHGAP20* | -1.57554 | -0.17363 | -14.6661 | 1.96585E-39 | 6.21849E-38 | 78.80359 |
| *SLC6A9* | -1.57553 | 3.427243 | -10.7203 | 8.48257E-24 | 8.50371E-23 | 42.90738 |
| *SSTR1* | -1.57511 | 2.284726 | -8.67816 | 9.63635E-17 | 5.62733E-16 | 26.90663 |
| *ECI2* | -1.57501 | 4.238989 | -10.7563 | 6.25682E-24 | 6.34967E-23 | 43.18744 |
| *RELL1* | -1.57484 | 2.732453 | -11.9338 | 2.24738E-28 | 3.19265E-27 | 53.40139 |
| *FXYD3* | -1.57442 | 8.753436 | -8.37367 | 8.99458E-16 | 4.82583E-15 | 24.61554 |
| *PNOC* | -1.57406 | 0.224413 | -8.44805 | 5.23792E-16 | 2.87994E-15 | 25.3746 |
| *PGM1* | -1.56875 | 5.797736 | -12.1839 | 2.39295E-29 | 3.6969E-28 | 55.56254 |
| *SCARA3* | -1.56865 | 2.520212 | -9.92022 | 6.29438E-21 | 5.08458E-20 | 36.41312 |
| *MT1A* | -1.56681 | 2.683004 | -5.19602 | 3.21978E-07 | 8.22072E-07 | 5.379122 |
| *AMICA1* | -1.56647 | 1.750862 | -12.2736 | 1.0662E-29 | 1.70504E-28 | 56.50364 |
| *SLC22A23* | -1.56631 | 3.765898 | -13.4392 | 2.32667E-34 | 5.16795E-33 | 67.05256 |
| *SSBP2* | -1.56605 | 1.009108 | -12.6643 | 3.05581E-31 | 5.48493E-30 | 60.07349 |
| *SYP* | -1.56558 | 1.137721 | -10.3159 | 2.48434E-22 | 2.21923E-21 | 39.7303 |
| *SYNGR1* | -1.56514 | 0.753817 | -9.49656 | 1.84344E-19 | 1.33349E-18 | 33.21301 |
| *AFF3* | -1.5639 | -0.29927 | -14.1364 | 3.17821E-37 | 8.60605E-36 | 73.74382 |
| *COL17A1* | -1.56298 | 5.658692 | -5.76855 | 1.57955E-08 | 4.58957E-08 | 8.214863 |
| *NEXN* | -1.55574 | 2.377562 | -8.1501 | 4.47883E-15 | 2.26269E-14 | 23.11021 |
| *RILP* | -1.5554 | 4.170241 | -11.4403 | 1.74914E-26 | 2.18207E-25 | 49.02333 |
| *OSR1* | -1.55474 | 0.184641 | -8.0935 | 6.69274E-15 | 3.33827E-14 | 22.86478 |
| *GNAI1* | -1.5543 | 3.149802 | -11.2438 | 9.65489E-26 | 1.138E-24 | 47.36035 |
| *P2RY8* | -1.55373 | 1.684548 | -12.2725 | 1.07648E-29 | 1.71989E-28 | 56.50056 |
| *MGLL* | -1.55337 | 5.709341 | -12.542 | 9.33939E-31 | 1.62412E-29 | 58.78563 |
| *PARM1* | -1.55297 | 6.659762 | -8.09989 | 6.39686E-15 | 3.19437E-14 | 22.65504 |
| *PAMR1* | -1.55259 | 2.166818 | -13.7179 | 1.69035E-35 | 4.09637E-34 | 69.7387 |
| *AKAP12* | -1.5496 | 2.833468 | -7.40847 | 7.38129E-13 | 3.11737E-12 | 18.04618 |
| *FOXP2* | -1.54935 | 0.257631 | -7.74956 | 7.36594E-14 | 3.37355E-13 | 20.50627 |
| *KIF5A* | -1.54931 | 0.108653 | -9.70128 | 3.6456E-20 | 2.78375E-19 | 34.8212 |
| *SORBS1* | -1.54824 | 3.671957 | -8.43056 | 5.94991E-16 | 3.25178E-15 | 25.01889 |
| *RIOK3* | -1.54564 | 5.502192 | -13.6559 | 3.03225E-35 | 7.18727E-34 | 69.06259 |
| *SIAE* | -1.54557 | 5.234871 | -11.9007 | 3.01647E-28 | 4.22966E-27 | 53.04533 |
| *PLA2G12B* | -1.54459 | 2.320213 | -4.1276 | 4.44434E-05 | 9.13198E-05 | 0.685107 |
| *EVI2A* | -1.54393 | 2.43876 | -9.12156 | 3.39352E-18 | 2.23008E-17 | 30.19977 |
| *AKR1C2* | -1.54291 | 0.848768 | -8.53672 | 2.73785E-16 | 1.54058E-15 | 26.00066 |
| *REEP2* | -1.54235 | 0.863509 | -10.1057 | 1.39555E-21 | 1.18253E-20 | 38.03862 |
| *ACOX1* | -1.54202 | 5.373617 | -15.6505 | 1.3394E-43 | 5.49185E-42 | 88.2101 |
| *RHOU* | -1.54144 | 4.560288 | -12.2483 | 1.33859E-29 | 2.11329E-28 | 56.1446 |
| *CNGA3* | -1.54104 | -0.5203 | -12.8944 | 3.68836E-32 | 7.00546E-31 | 62.13514 |
| *CCL14* | -1.54078 | 0.216743 | -11.9116 | 2.73895E-28 | 3.85614E-27 | 53.34546 |
| *ANK3* | -1.54065 | 1.718412 | -15.7298 | 6.14331E-44 | 2.58004E-42 | 89.08595 |
| *GCNT4* | -1.54007 | 0.422473 | -8.65369 | 1.15538E-16 | 6.69062E-16 | 26.86417 |
| *SLC22A17* | -1.53986 | 2.00157 | -12.1836 | 2.39926E-29 | 3.70334E-28 | 55.68031 |
| *CMKLR1* | -1.53961 | 2.15015 | -10.7539 | 6.38285E-24 | 6.46997E-23 | 43.27652 |
| *FAM46B* | -1.53861 | 1.153004 | -8.01676 | 1.15015E-14 | 5.63131E-14 | 22.30221 |
| *SMYD1* | -1.53855 | -0.4672 | -8.48246 | 4.07447E-16 | 2.26181E-15 | 25.55603 |
| *GPD1L* | -1.53688 | 5.250606 | -15.9281 | 8.70184E-45 | 3.94157E-43 | 90.93269 |
| *TNFAIP8L3* | -1.53616 | 2.09216 | -10.6905 | 1.09017E-23 | 1.08223E-22 | 42.75189 |
| *CSF2RB* | -1.53451 | 2.801853 | -8.99227 | 9.10431E-18 | 5.81728E-17 | 29.19393 |
| *ZNF415* | -1.53407 | 1.002132 | -8.1276 | 5.25575E-15 | 2.64515E-14 | 23.0843 |
| *EDNRB* | -1.53392 | 2.547309 | -12.5875 | 6.16367E-31 | 1.08494E-29 | 59.27498 |
| *GSTM1* | -1.53296 | 1.653028 | -4.55969 | 6.77781E-06 | 1.51481E-05 | 2.557087 |
| *KIR2DL4* | -1.5322 | 0.109517 | -7.29729 | 1.53916E-12 | 6.33646E-12 | 17.51784 |
| *RBFOX3* | -1.53177 | -0.45405 | -9.41291 | 3.55274E-19 | 2.51013E-18 | 32.51464 |
| *BEX2* | -1.53044 | 2.588431 | -4.87913 | 1.52933E-06 | 3.64642E-06 | 3.886638 |
| *SALL2* | -1.52906 | 0.57602 | -11.0592 | 4.7381E-25 | 5.27564E-24 | 45.95543 |
| *KCNG1* | -1.52844 | 0.388662 | -6.35883 | 5.44175E-10 | 1.80831E-09 | 11.77589 |
| *RSPO3* | -1.52695 | 1.40318 | -7.61054 | 1.90151E-13 | 8.40403E-13 | 19.52682 |
| *TMEM255A* | -1.52689 | 0.18939 | -10.0928 | 1.55111E-21 | 1.31049E-20 | 37.94454 |
| *DCLK1* | -1.52499 | -0.24048 | -13.7967 | 8.02331E-36 | 1.97198E-34 | 70.53802 |
| *IL10RA* | -1.52457 | 2.768947 | -10.3258 | 2.28891E-22 | 2.05101E-21 | 39.67875 |
| *PPAP2B* | -1.52429 | 4.32787 | -14.8749 | 2.6064E-40 | 8.75699E-39 | 80.67637 |
| *ADAMTSL1* | -1.5234 | 0.471238 | -11.0894 | 3.65463E-25 | 4.11693E-24 | 46.21374 |
| *SLC44A4* | -1.52244 | 8.034744 | -8.89167 | 1.94987E-17 | 1.21057E-16 | 28.38869 |
| *PNCK* | -1.52182 | 0.347586 | -6.10335 | 2.41328E-09 | 7.54281E-09 | 10.32403 |
| *CTSW* | -1.5218 | 2.147648 | -7.26079 | 1.95568E-12 | 7.97527E-12 | 17.15822 |
| *GZMM* | -1.51937 | 1.774326 | -8.7566 | 5.37367E-17 | 3.20844E-16 | 27.53936 |
| *A1CF* | -1.51917 | 2.862524 | -8.80392 | 3.77171E-17 | 2.2915E-16 | 27.78747 |
| *GNG3* | -1.51643 | 0.514311 | -10.0937 | 1.53931E-21 | 1.30116E-20 | 37.95149 |
| *NDNF* | -1.51245 | 2.019939 | -7.56357 | 2.61231E-13 | 1.14317E-12 | 19.14994 |
| *GIMAP1* | -1.51185 | 1.357537 | -14.4297 | 1.91577E-38 | 5.59941E-37 | 76.53045 |
| *CD180* | -1.51163 | 1.059292 | -10.1758 | 7.8663E-22 | 6.78855E-21 | 38.60067 |
| *RPS6KA6* | -1.51152 | 1.282202 | -6.97952 | 1.20161E-11 | 4.59784E-11 | 15.4665 |
| *GALNT12* | -1.51086 | 5.513127 | -11.4035 | 2.41061E-26 | 2.95821E-25 | 48.6944 |
| *PRKAA2* | -1.50991 | -0.01652 | -6.46368 | 2.91286E-10 | 9.91953E-10 | 12.37606 |
| *C1QA* | -1.5094 | 7.133666 | -6.9266 | 1.68076E-11 | 6.36513E-11 | 14.91316 |
| *GRIK5* | -1.50875 | 0.129868 | -9.39366 | 4.12989E-19 | 2.90486E-18 | 32.42284 |
| *BCAR3* | -1.50715 | 3.621487 | -15.7068 | 7.70658E-44 | 3.22874E-42 | 88.77861 |
| *TNFSF10* | -1.50579 | 5.992814 | -11.7049 | 1.71293E-27 | 2.28342E-26 | 51.32027 |
| *KLK1* | -1.50564 | 5.470564 | -5.59177 | 4.11644E-08 | 1.14568E-07 | 7.283607 |
| *TCEAL5* | -1.50436 | -0.63334 | -14.497 | 1.00372E-38 | 2.99935E-37 | 77.13661 |
| *FFAR4* | -1.50302 | 3.166208 | -5.47815 | 7.52347E-08 | 2.04042E-07 | 6.753994 |
| *ICAM3* | -1.50288 | 1.022848 | -8.93912 | 1.36244E-17 | 8.57246E-17 | 28.95677 |
| *DNER* | -1.50222 | -0.16997 | -7.74473 | 7.61412E-14 | 3.48353E-13 | 20.44901 |
| *P2RY10* | -1.4975 | 1.077492 | -8.32905 | 1.2421E-15 | 6.58255E-15 | 24.50484 |
| *ADCYAP1R1* | -1.49652 | -0.63532 | -15.8805 | 1.39177E-44 | 6.15901E-43 | 90.55012 |
| *TLCD2* | -1.49652 | 3.275538 | -12.8111 | 7.94175E-32 | 1.48237E-30 | 61.27167 |
| *LIPC* | -1.49557 | -0.33433 | -7.67388 | 1.23625E-13 | 5.57198E-13 | 19.94541 |
| *SLC46A3* | -1.49523 | 4.517143 | -10.3198 | 2.40458E-22 | 2.15131E-21 | 39.56616 |
| *SERTAD4* | -1.49367 | 1.293675 | -8.5249 | 2.98604E-16 | 1.67425E-15 | 25.89427 |
| *BTK* | -1.49172 | 1.544759 | -10.5053 | 5.15328E-23 | 4.87252E-22 | 41.26662 |
| *TLR10* | -1.49041 | 0.045692 | -9.43579 | 2.97023E-19 | 2.11063E-18 | 32.74397 |
| *P2RY13* | -1.48887 | 1.483378 | -8.42822 | 6.0523E-16 | 3.30565E-15 | 25.18312 |
| *SMPD3* | -1.48883 | 4.014145 | -9.3895 | 4.26611E-19 | 2.99702E-18 | 32.16593 |
| *CD163* | -1.48733 | 3.291722 | -6.8073 | 3.55621E-11 | 1.30755E-10 | 14.21573 |
| *CPT2* | -1.48713 | 5.07872 | -17.1315 | 5.53635E-50 | 3.54798E-48 | 102.851 |
| *PIANP* | -1.48691 | 0.035019 | -11.7721 | 9.45091E-28 | 1.28359E-26 | 52.11295 |
| *RNF125* | -1.48686 | 2.168558 | -9.85884 | 1.03237E-20 | 8.20162E-20 | 35.96104 |
| *XCL2* | -1.48609 | 0.577177 | -6.76475 | 4.63479E-11 | 1.68479E-10 | 14.1821 |
| *EML1* | -1.48523 | 1.607493 | -11.2984 | 6.01113E-26 | 7.19796E-25 | 47.95281 |
| *CSF1R* | -1.48515 | 4.124829 | -7.8908 | 2.77551E-14 | 1.31215E-13 | 21.21855 |
| *CD52* | -1.48371 | 4.948976 | -7.31648 | 1.35663E-12 | 5.60769E-12 | 17.37991 |
| *ZC3H12C* | -1.48353 | 1.879342 | -9.89813 | 7.52309E-21 | 6.05451E-20 | 36.30231 |
| *BVES* | -1.48202 | 0.509917 | -10.2759 | 3.45425E-22 | 3.05894E-21 | 39.43152 |
| *MS4A6A* | -1.48184 | 3.314589 | -8.82332 | 3.26121E-17 | 1.99465E-16 | 27.90396 |
| *HLF* | -1.48173 | 0.640683 | -9.66159 | 4.99973E-20 | 3.78436E-19 | 34.509 |
| *SLC5A11* | -1.48151 | -0.3648 | -9.85681 | 1.04941E-20 | 8.32931E-20 | 35.99562 |
| *TST* | -1.47971 | 8.057857 | -12.1646 | 2.84539E-29 | 4.36857E-28 | 55.40571 |
| *DNAJB5* | -1.4797 | 1.555863 | -10.7713 | 5.50931E-24 | 5.63069E-23 | 43.47949 |
| *TRIM36* | -1.47829 | 2.144828 | -10.3717 | 1.56601E-22 | 1.42314E-21 | 40.11039 |
| *PDE7B* | -1.47758 | 0.236307 | -13.8635 | 4.2602E-36 | 1.07143E-34 | 71.18445 |
| *P2RX2* | -1.47739 | -0.62693 | -13.957 | 1.75422E-36 | 4.55756E-35 | 72.00407 |
| *COL14A1* | -1.47732 | 3.456955 | -7.82693 | 4.32221E-14 | 2.00879E-13 | 20.80401 |
| *SQRDL* | -1.47704 | 6.594469 | -12.7861 | 1.00011E-31 | 1.84487E-30 | 61.00848 |
| *GLOD5* | -1.4759 | 2.383796 | -9.02665 | 7.00937E-18 | 4.5137E-17 | 29.49411 |
| *KIF1A* | -1.47453 | -0.41272 | -8.12342 | 5.41397E-15 | 2.72161E-14 | 23.00408 |
| *CRYBA2* | -1.47435 | 0.224484 | -5.42219 | 1.00879E-07 | 2.70537E-07 | 6.697053 |
| *AHNAK* | -1.47427 | 6.131572 | -8.46889 | 4.4993E-16 | 2.48726E-15 | 25.27106 |
| *EFNA5* | -1.47424 | 1.200004 | -7.1821 | 3.26747E-12 | 1.30873E-11 | 16.75231 |
| *PENK* | -1.47213 | -0.37071 | -7.35857 | 1.02762E-12 | 4.29489E-12 | 17.85121 |
| *MICALCL* | -1.47078 | 1.667542 | -12.9275 | 2.71779E-32 | 5.19049E-31 | 62.44403 |
| *RAB37* | -1.47065 | 1.648464 | -10.7873 | 4.81342E-24 | 4.9487E-23 | 43.60609 |
| *LIMA1* | -1.4691 | 6.330054 | -10.4571 | 7.70085E-23 | 7.18317E-22 | 40.6898 |
| *CYP4F12* | -1.46847 | 3.610121 | -8.06176 | 8.37657E-15 | 4.13759E-14 | 22.41592 |
| *C16orf62* | -1.46842 | 2.990819 | -10.9251 | 1.49255E-24 | 1.59337E-23 | 44.65647 |
| *GRIK3* | -1.46645 | -0.42109 | -14.5691 | 5.01263E-39 | 1.55158E-37 | 77.84779 |
| *GAS7* | -1.46634 | 2.474553 | -10.641 | 1.65368E-23 | 1.62485E-22 | 42.30903 |
| *CAPN5* | -1.46564 | 6.374969 | -11.0696 | 4.33317E-25 | 4.85287E-24 | 45.82822 |
| *FAM134B* | -1.46529 | 4.242212 | -8.23868 | 2.37952E-15 | 1.23051E-14 | 23.63828 |
| *CDIP1* | -1.46338 | 3.21726 | -8.6971 | 8.37202E-17 | 4.91554E-16 | 26.97889 |
| *FCRL2* | -1.46316 | -0.06722 | -9.11863 | 3.47058E-18 | 2.27899E-17 | 30.30648 |
| *NAP1L3* | -1.46151 | 0.634471 | -9.46051 | 2.44696E-19 | 1.74958E-18 | 32.94155 |
| *C1orf186* | -1.46127 | 0.029656 | -8.96591 | 1.11218E-17 | 7.05428E-17 | 29.16545 |
| *GIMAP4* | -1.4612 | 4.016229 | -9.50889 | 1.67306E-19 | 1.21634E-18 | 33.09213 |
| *RGS9* | -1.46088 | 0.380995 | -10.7609 | 6.01765E-24 | 6.12491E-23 | 43.44071 |
| *NDRG2* | -1.46057 | 4.984404 | -11.6667 | 2.3982E-27 | 3.16764E-26 | 50.98763 |
| *ESPN* | -1.4605 | 4.40565 | -6.44034 | 3.34999E-10 | 1.13412E-09 | 11.98399 |
| *ZBTB7B* | -1.46013 | 6.007214 | -15.5727 | 2.87844E-43 | 1.15827E-41 | 87.44837 |
| *PDZD3* | -1.45781 | 2.514228 | -7.59523 | 2.10923E-13 | 9.30072E-13 | 19.31447 |
| *CNGA1* | -1.45724 | 1.525862 | -8.09754 | 6.504E-15 | 3.24693E-14 | 22.83776 |
| *PTPRC* | -1.45638 | 3.165793 | -7.60702 | 1.94741E-13 | 8.60251E-13 | 19.33871 |
| *CD37* | -1.45571 | 2.856731 | -8.75498 | 5.43921E-17 | 3.24533E-16 | 27.42954 |
| *G6PC* | -1.45552 | -0.76921 | -12.7564 | 1.31325E-31 | 2.40712E-30 | 60.81838 |
| *KCNE2* | -1.45429 | -0.21273 | -9.92244 | 6.18284E-21 | 4.99681E-20 | 36.54894 |
| *DPP10* | -1.45349 | -0.22802 | -5.60221 | 3.8926E-08 | 1.0867E-07 | 7.579344 |
| *FAM3D* | -1.45326 | 8.375859 | -5.47653 | 7.58781E-08 | 2.05722E-07 | 6.713874 |
| *INSM1* | -1.45249 | 0.40092 | -4.69503 | 3.64368E-06 | 8.36829E-06 | 3.240822 |
| *SAMD9* | -1.45232 | 3.090666 | -8.55782 | 2.34475E-16 | 1.32413E-15 | 25.9695 |
| *CLCN2* | -1.45223 | 4.750647 | -9.66983 | 4.68235E-20 | 3.54723E-19 | 34.34153 |
| *SLC9A1* | -1.45129 | 5.193674 | -12.3677 | 4.54869E-30 | 7.41809E-29 | 57.21291 |
| *KCTD9* | -1.45107 | 4.121375 | -12.2589 | 1.21695E-29 | 1.9336E-28 | 56.24594 |
| *PTPN21* | -1.44995 | 2.88339 | -20.4057 | 2.41409E-64 | 3.72955E-62 | 135.8209 |
| *TAGAP* | -1.44979 | 2.020165 | -9.54801 | 1.22913E-19 | 9.02699E-19 | 33.52836 |
| *TAT* | -1.44853 | -0.62996 | -18.926 | 7.82957E-58 | 7.74144E-56 | 120.9061 |
| *BCL2L15* | -1.44831 | 4.86788 | -7.42773 | 6.49356E-13 | 2.75523E-12 | 18.10517 |
| *SLC37A2* | -1.44681 | 2.138361 | -7.36653 | 9.74848E-13 | 4.08125E-12 | 17.84872 |
| *CNNM2* | -1.44613 | 1.949026 | -19.5408 | 1.54957E-60 | 1.82396E-58 | 127.1054 |
| *CLIP3* | -1.44559 | 3.05511 | -10.3951 | 1.28913E-22 | 1.17895E-21 | 40.23267 |
| *CLIC2* | -1.44538 | 2.586926 | -10.4051 | 1.18699E-22 | 1.089E-21 | 40.34845 |
| *PER3* | -1.44508 | 1.867696 | -9.96967 | 4.21977E-21 | 3.44572E-20 | 36.87797 |
| *DIRAS1* | -1.44388 | 0.118688 | -8.60024 | 1.71548E-16 | 9.78342E-16 | 26.47049 |
| *RHOF* | -1.44219 | 1.630446 | -8.80138 | 3.84416E-17 | 2.33388E-16 | 27.88838 |
| *DPP6* | -1.44173 | -0.70153 | -15.6684 | 1.12361E-43 | 4.61799E-42 | 88.46131 |
| *PELI2* | -1.44141 | 2.342839 | -10.5024 | 5.27861E-23 | 4.98014E-22 | 41.17174 |
| *C5orf30* | -1.43989 | 4.642982 | -13.3617 | 4.80833E-34 | 1.03998E-32 | 66.31813 |
| *8-Mar* | -1.43929 | 3.870947 | -18.0464 | 5.64488E-54 | 4.54295E-52 | 112.0176 |
| *SLC30A4* | -1.43884 | 1.805988 | -17.1032 | 7.34508E-50 | 4.65538E-48 | 102.6497 |
| *ACADM* | -1.43855 | 4.68574 | -11.1986 | 1.42722E-25 | 1.65629E-24 | 46.93359 |
| *DENND2A* | -1.43837 | 2.486102 | -11.6453 | 2.89544E-27 | 3.80698E-26 | 50.89133 |
| *AKAP5* | -1.43609 | 1.314969 | -9.9008 | 7.3627E-21 | 5.93371E-20 | 36.37608 |
| *ADCY9* | -1.43605 | 3.065508 | -15.1236 | 2.32431E-41 | 8.29227E-40 | 83.11623 |
| *FAM49A* | -1.43442 | 1.67197 | -11.3542 | 3.70375E-26 | 4.48153E-25 | 48.43187 |
| *C1QC* | -1.43002 | 7.380664 | -6.25103 | 1.02613E-09 | 3.31873E-09 | 10.88962 |
| *ACHE* | -1.42663 | 2.849444 | -6.95875 | 1.3711E-11 | 5.22787E-11 | 15.1853 |
| *TBC1D9* | -1.42529 | 2.972101 | -11.2245 | 1.14099E-25 | 1.33576E-24 | 47.20973 |
| *ZSCAN18* | -1.42499 | 1.538083 | -8.17571 | 3.7323E-15 | 1.89885E-14 | 23.38912 |
| *LPHN3* | -1.42472 | -0.09817 | -12.1931 | 2.2024E-29 | 3.4086E-28 | 55.82866 |
| *TEX43* | -1.42402 | 1.336501 | -5.65625 | 2.91061E-08 | 8.23316E-08 | 7.86406 |
| *EPB41L4B* | -1.42026 | 5.338483 | -10.9791 | 9.40885E-25 | 1.02006E-23 | 45.05789 |
| *AKR1C3* | -1.41956 | 5.245747 | -6.16197 | 1.72192E-09 | 5.45184E-09 | 10.3758 |
| *ZEB2* | -1.41947 | 1.521035 | -11.9369 | 2.18608E-28 | 3.10812E-27 | 53.5341 |
| *SEMA3D* | -1.41832 | -0.30249 | -8.69927 | 8.23805E-17 | 4.83853E-16 | 27.14066 |
| *SLC6A8* | -1.41552 | 5.811157 | -5.89883 | 7.68009E-09 | 2.3023E-08 | 8.916792 |
| *C1orf177* | -1.41525 | -0.22968 | -11.1986 | 1.42717E-25 | 1.65629E-24 | 47.11089 |
| *SOWAHA* | -1.41324 | 3.949017 | -7.66351 | 1.32676E-13 | 5.95974E-13 | 19.68374 |
| *FAM177B* | -1.41324 | 0.74562 | -5.31224 | 1.78239E-07 | 4.66719E-07 | 6.142573 |
| *SCUBE1* | -1.41052 | 0.354874 | -9.18237 | 2.12669E-18 | 1.41477E-17 | 30.80785 |
| *TSPAN11* | -1.40847 | 2.104724 | -9.86308 | 9.97776E-21 | 7.93771E-20 | 36.00721 |
| *SLC35G1* | -1.40744 | 2.424869 | -13.8117 | 6.96007E-36 | 1.72783E-34 | 70.61066 |
| *PEX11A* | -1.40612 | 3.786294 | -13.614 | 4.50082E-35 | 1.04394E-33 | 68.6886 |
| *NIPAL1* | -1.40571 | 3.872417 | -11.4598 | 1.47487E-26 | 1.84925E-25 | 49.20086 |
| *ITGB7* | -1.40523 | 1.89981 | -8.84371 | 2.79798E-17 | 1.71923E-16 | 28.18148 |
| *KLHL34* | -1.40511 | -0.13516 | -6.66878 | 8.38503E-11 | 2.98593E-10 | 13.56921 |
| *EBI3* | -1.40432 | 1.998507 | -9.16253 | 2.47745E-18 | 1.6418E-17 | 30.56606 |
| *C3orf70* | -1.40344 | 2.370603 | -9.03296 | 6.68E-18 | 4.30481E-17 | 29.54774 |
| *SCN2B* | -1.40341 | -0.5586 | -14.8303 | 4.01697E-40 | 1.33408E-38 | 80.33433 |
| *DMD* | -1.40136 | 1.168922 | -8.19799 | 3.18367E-15 | 1.62738E-14 | 23.57691 |
| *GABARAP* | -1.40126 | 5.340252 | -8.56203 | 2.27321E-16 | 1.28498E-15 | 25.94486 |
| *SYTL2* | -1.40085 | 3.984004 | -9.76068 | 2.26881E-20 | 1.76516E-19 | 35.07188 |
| *TRIM58* | -1.40037 | 0.360745 | -5.3943 | 1.16653E-07 | 3.10914E-07 | 6.558378 |
| *SNX24* | -1.39983 | 2.415467 | -12.0006 | 1.23738E-28 | 1.80071E-27 | 54.02769 |
| *ADAMTS1* | -1.39625 | 3.163787 | -9.28606 | 9.54275E-19 | 6.55491E-18 | 31.4065 |
| *FBLN5* | -1.39523 | 3.137568 | -9.90034 | 7.3901E-21 | 5.95302E-20 | 36.2187 |
| *HIST1H3E* | -1.39489 | 2.499673 | -8.73605 | 6.26461E-17 | 3.71557E-16 | 27.32457 |
| *P2RX4* | -1.39426 | 4.070621 | -13.6595 | 2.9335E-35 | 6.9723E-34 | 69.10794 |
| *CFH* | -1.39345 | 3.036524 | -8.9849 | 9.62898E-18 | 6.13892E-17 | 29.12968 |
| *LAX1* | -1.39339 | 0.955233 | -7.50008 | 4.00405E-13 | 1.7286E-12 | 18.83494 |
| *GAPT* | -1.39216 | 0.260292 | -8.91629 | 1.61921E-17 | 1.01364E-16 | 28.80199 |
| *RIMKLA* | -1.39193 | 2.200037 | -10.4186 | 1.06105E-22 | 9.7708E-22 | 40.49863 |
| *PLS1* | -1.3902 | 6.863341 | -11.0248 | 6.36527E-25 | 7.00299E-24 | 45.44867 |
| *A2M* | -1.38985 | 6.907022 | -7.7921 | 5.49706E-14 | 2.53371E-13 | 20.53607 |
| *CSRP1* | -1.38978 | 6.213965 | -11.4367 | 1.80402E-26 | 2.24406E-25 | 48.98268 |
| *OR2W3* | -1.38912 | 0.047422 | -5.37345 | 1.29985E-07 | 3.45275E-07 | 6.440501 |
| *SLITRK3* | -1.3886 | -0.68402 | -14.3907 | 2.78545E-38 | 8.0867E-37 | 76.10282 |
| *CHP1* | -1.38751 | 7.061931 | -13.2446 | 1.43486E-33 | 3.00575E-32 | 65.23051 |
| *OASL* | -1.38727 | 3.605883 | -6.96813 | 1.29179E-11 | 4.93202E-11 | 15.19771 |
| *C5orf52* | -1.38704 | 2.094478 | -6.69926 | 6.95078E-11 | 2.49625E-10 | 13.67652 |
| *PITPNM3* | -1.38469 | 2.178193 | -9.25468 | 1.21694E-18 | 8.28026E-18 | 31.25206 |
| *SNRPN* | -1.38376 | 3.496451 | -6.95083 | 1.44171E-11 | 5.48866E-11 | 15.09502 |
| *ZNF304* | -1.3833 | 1.203526 | -8.39882 | 7.4945E-16 | 4.05622E-15 | 25.00142 |
| *PBX1* | -1.38246 | 2.561133 | -10.5441 | 3.72805E-23 | 3.57376E-22 | 41.50248 |
| *LTBP4* | -1.38109 | 5.535777 | -8.2552 | 2.11369E-15 | 1.09797E-14 | 23.74369 |
| *MTM1* | -1.38045 | 4.111766 | -15.4178 | 1.31364E-42 | 5.10444E-41 | 85.94674 |
| *NOVA1* | -1.38015 | -0.48607 | -13.4728 | 1.69792E-34 | 3.79086E-33 | 67.46696 |
| *ADAM28* | -1.3789 | 1.428521 | -8.93342 | 1.42249E-17 | 8.9438E-17 | 28.89546 |
| *ACAT1* | -1.37647 | 5.077336 | -11.7748 | 9.22492E-28 | 1.25388E-26 | 51.93614 |
| *ABCA9* | -1.3748 | -0.37445 | -13.9241 | 2.39733E-36 | 6.15445E-35 | 71.71218 |
| *RELN* | -1.37414 | -0.31495 | -11.0403 | 5.5742E-25 | 6.1669E-24 | 45.74161 |
| *AIFM3* | -1.37212 | 3.95434 | -5.42458 | 9.96256E-08 | 2.67342E-07 | 6.447113 |
| *SHE* | -1.37017 | 0.696715 | -13.2859 | 9.75627E-34 | 2.06373E-32 | 65.79096 |
| *TFCP2L1* | -1.37015 | 4.187614 | -5.87385 | 8.82747E-09 | 2.6294E-08 | 8.795814 |
| *CD7* | -1.36983 | 2.828133 | -6.87362 | 2.34727E-11 | 8.77589E-11 | 14.66373 |
| *LXN* | -1.36813 | 5.036005 | -9.90555 | 7.08589E-21 | 5.71329E-20 | 36.20936 |
| *EFHC2* | -1.36732 | -0.12536 | -8.15121 | 4.44361E-15 | 2.24621E-14 | 23.23544 |
| *FADS6* | -1.36561 | -0.0431 | -4.83118 | 1.92242E-06 | 4.54358E-06 | 3.824068 |
| *CLMN* | -1.36533 | 3.466315 | -13.6699 | 2.65746E-35 | 6.3511E-34 | 69.22387 |
| *CIPC* | -1.36499 | 4.180808 | -21.1894 | 8.61034E-68 | 1.56826E-65 | 143.7173 |
| *FRZB* | -1.36351 | 3.500744 | -6.59187 | 1.34221E-10 | 4.70127E-10 | 12.90939 |
| *C1QB* | -1.36314 | 7.12821 | -5.7516 | 1.73322E-08 | 5.02008E-08 | 8.130424 |
| *PJA2* | -1.36261 | 5.417224 | -12.6394 | 3.8357E-31 | 6.82107E-30 | 59.67028 |
| *SIPA1L2* | -1.36221 | 3.921286 | -10.9377 | 1.34049E-24 | 1.43708E-23 | 44.72491 |
| *NPR1* | -1.36161 | 1.554571 | -10.8818 | 2.15795E-24 | 2.27815E-23 | 44.41631 |
| *HTR3A* | -1.36145 | -0.36254 | -8.65459 | 1.14773E-16 | 6.65299E-16 | 26.79786 |
| *LRRC75A* | -1.36129 | 4.294263 | -10.9236 | 1.51173E-24 | 1.61168E-23 | 44.59754 |
| *SPG20* | -1.36126 | 2.112397 | -9.80811 | 1.55182E-20 | 1.22051E-19 | 35.57359 |
| *HDAC9* | -1.36086 | 0.336018 | -9.65158 | 5.41339E-20 | 4.08852E-19 | 34.43352 |
| *SASH3* | -1.36029 | 3.659647 | -8.0682 | 8.00399E-15 | 3.96034E-14 | 22.46076 |
| *FILIP1* | -1.3579 | 0.381541 | -10.0919 | 1.56237E-21 | 1.31936E-20 | 37.9395 |
| *NUPR1L* | -1.35781 | -0.44789 | -6.743 | 5.30431E-11 | 1.91969E-10 | 13.95542 |
| *NBPF1* | -1.35685 | 1.869159 | -15.8461 | 1.95399E-44 | 8.53786E-43 | 90.22604 |
| *ATP2B4* | -1.35684 | 4.136385 | -8.90541 | 1.75783E-17 | 1.09606E-16 | 28.48753 |
| *AMOTL1* | -1.35644 | 2.133306 | -8.80733 | 3.67664E-17 | 2.23688E-16 | 27.89088 |
| *PTK2B* | -1.35624 | 4.463488 | -11.7513 | 1.13618E-27 | 1.53588E-26 | 51.73522 |
| *BDKRB1* | -1.35598 | 1.253821 | -10.0908 | 1.57623E-21 | 1.33042E-20 | 37.9074 |
| *SH3BGR* | -1.35522 | 2.193111 | -10.7639 | 5.86394E-24 | 5.97549E-23 | 43.37181 |
| *MGAT4A* | -1.35506 | 4.342722 | -12.7295 | 1.6805E-31 | 3.06404E-30 | 60.49917 |
| *ZBTB16* | -1.35475 | -0.4439 | -9.9861 | 3.69356E-21 | 3.03177E-20 | 37.0068 |
| *MIER1* | -1.35284 | 4.088984 | -13.5411 | 8.94138E-35 | 2.03302E-33 | 67.99933 |
| *APOD* | -1.35102 | 3.657724 | -4.83603 | 1.87857E-06 | 4.44299E-06 | 3.620579 |
| *DQX1* | -1.34796 | 3.268761 | -6.34101 | 6.04689E-10 | 2.00056E-09 | 11.45216 |
| *RAB6B* | -1.34673 | 1.348923 | -9.55806 | 1.1354E-19 | 8.34924E-19 | 33.67263 |
| *LPCAT3* | -1.34548 | 3.90144 | -14.153 | 2.71341E-37 | 7.41707E-36 | 73.77094 |
| *NRXN1* | -1.3423 | -0.76726 | -22.8737 | 3.55998E-75 | 9.93521E-73 | 160.6623 |
| *HTR3C* | -1.34164 | -0.62011 | -8.13513 | 4.98185E-15 | 2.50876E-14 | 23.02345 |
| *NCF1* | -1.34159 | 1.137047 | -8.34709 | 1.09031E-15 | 5.8084E-15 | 24.6381 |
| *UST* | -1.34078 | 1.00432 | -6.86902 | 2.41615E-11 | 9.01976E-11 | 14.81355 |
| *CBFA2T3* | -1.34036 | 1.565863 | -6.04629 | 3.34361E-09 | 1.03164E-08 | 9.954186 |
| *MUSK* | -1.34023 | -0.68911 | -23.6626 | 1.3017E-78 | 4.50465E-76 | 168.5387 |
| *FOXN3* | -1.33981 | 3.639206 | -14.1522 | 2.733E-37 | 7.45885E-36 | 73.77091 |
| *NCKAP1L* | -1.33824 | 2.347606 | -9.46515 | 2.35942E-19 | 1.68978E-18 | 32.85981 |
| *APBB1* | -1.33798 | 2.27901 | -9.96806 | 4.275E-21 | 3.48916E-20 | 36.8352 |
| *CROT* | -1.3379 | 3.23719 | -12.07 | 6.65444E-29 | 9.94317E-28 | 54.59146 |
| *SSTR2* | -1.33695 | -0.10525 | -12.6419 | 3.75118E-31 | 6.67764E-30 | 59.86173 |
| *RASSF2* | -1.33672 | 2.830809 | -10.066 | 1.92933E-21 | 1.61427E-20 | 37.57295 |
| *CGN* | -1.33499 | 5.869223 | -10.3352 | 2.11758E-22 | 1.90439E-21 | 39.68567 |
| *LIPH* | -1.33455 | 5.488372 | -8.59207 | 1.82194E-16 | 1.03769E-15 | 26.16305 |
| *SVEP1* | -1.33405 | 1.256984 | -9.87357 | 9.16943E-21 | 7.32158E-20 | 36.16928 |
| *MEIS1* | -1.33388 | 1.263137 | -10.0066 | 3.12781E-21 | 2.58085E-20 | 37.23266 |
| *KIF13B* | -1.33374 | 4.571549 | -10.4872 | 5.99274E-23 | 5.63852E-22 | 40.94401 |
| *RTN1* | -1.33355 | 0.822252 | -8.5933 | 1.80557E-16 | 1.02871E-15 | 26.42331 |
| *SERPINA6* | -1.33353 | 1.447914 | -4.48909 | 9.31359E-06 | 2.05369E-05 | 2.298633 |
| *HGD* | -1.33107 | 3.196369 | -6.58258 | 1.42034E-10 | 4.96387E-10 | 12.8751 |
| *TESK2* | -1.33046 | 2.975903 | -16.2997 | 2.2031E-46 | 1.09857E-44 | 94.63639 |
| *SVIL* | -1.32902 | 4.532719 | -9.84666 | 1.13862E-20 | 9.02454E-20 | 35.74503 |
| *SORBS2* | -1.32883 | 2.188167 | -7.7049 | 1.00024E-13 | 4.54136E-13 | 20.0939 |
| *RIMS3* | -1.32879 | 1.595236 | -7.82841 | 4.27807E-14 | 1.98881E-13 | 20.99012 |
| *CLDN11* | -1.32879 | 0.180609 | -8.49225 | 3.79303E-16 | 2.10896E-15 | 25.68743 |
| *APBB1IP* | -1.32828 | 2.191355 | -9.29759 | 8.72633E-19 | 6.01082E-18 | 31.58363 |
| *CLEC4G* | -1.327 | -0.27935 | -7.85074 | 3.66526E-14 | 1.71405E-13 | 21.12805 |
| *BHMT2* | -1.327 | 0.152551 | -9.00236 | 8.43227E-18 | 5.39784E-17 | 29.43865 |
| *VAMP2* | -1.32497 | 5.019239 | -12.7702 | 1.15707E-31 | 2.12535E-30 | 60.86346 |
| *KIAA1161* | -1.3247 | 5.337255 | -11.778 | 8.96929E-28 | 1.22105E-26 | 51.96296 |
| *NEDD4L* | -1.3241 | 3.70746 | -13.7992 | 7.8325E-36 | 1.93057E-34 | 70.4316 |
| *AMT* | -1.32333 | 3.142428 | -6.7763 | 4.31387E-11 | 1.57209E-10 | 14.04612 |
| *PPP1R36* | -1.32271 | 1.963854 | -8.28192 | 1.74443E-15 | 9.1383E-15 | 24.10562 |
| *KANK2* | -1.32261 | 4.519191 | -10.3101 | 2.60512E-22 | 2.32592E-21 | 39.48798 |
| *CD69* | -1.32217 | 1.908612 | -7.32647 | 1.27017E-12 | 5.2654E-12 | 17.62661 |
| *MAP4K1* | -1.32176 | 1.964757 | -9.00264 | 8.4142E-18 | 5.38827E-17 | 29.36883 |
| *GFI1B* | -1.32166 | -0.26149 | -8.2013 | 3.10932E-15 | 1.59173E-14 | 23.56139 |
| *FAS* | -1.32109 | 3.767588 | -8.72926 | 6.58977E-17 | 3.89688E-16 | 27.19403 |
| *CD96* | -1.32016 | 1.302341 | -8.38698 | 8.16694E-16 | 4.40089E-15 | 24.91434 |
| *CCNYL1* | -1.3199 | 4.033363 | -17.4409 | 2.49117E-51 | 1.72419E-49 | 105.9496 |
| *PTX3* | -1.31874 | 0.585416 | -8.30739 | 1.45216E-15 | 7.6489E-15 | 24.37253 |
| *RARRES1* | -1.31865 | 4.661032 | -4.81962 | 2.03091E-06 | 4.78824E-06 | 3.519173 |
| *PRDX6* | -1.31777 | 8.067322 | -16.4133 | 7.13222E-47 | 3.69487E-45 | 95.72688 |
| *C20orf194* | -1.31689 | 1.123594 | -11.0675 | 4.41066E-25 | 4.93646E-24 | 46.01876 |
| *SUCLG2* | -1.31648 | 7.031966 | -10.9833 | 9.08104E-25 | 9.86373E-24 | 45.09675 |
| *KCNN3* | -1.316 | 0.33499 | -13.2966 | 8.83422E-34 | 1.87787E-32 | 65.88928 |
| *CXorf21* | -1.31582 | 1.255386 | -8.97408 | 1.0453E-17 | 6.64466E-17 | 29.21733 |
| *DERL3* | -1.31487 | 3.603441 | -6.79623 | 3.81037E-11 | 1.39743E-10 | 14.13909 |
| *RNASEL* | -1.31408 | 2.834636 | -14.763 | 7.70862E-40 | 2.50718E-38 | 79.64827 |
| *CASD1* | -1.31303 | 3.589691 | -12.6455 | 3.62759E-31 | 6.46429E-30 | 59.75408 |
| *ASB5* | -1.3122 | -0.73045 | -11.3139 | 5.2578E-26 | 6.33094E-25 | 48.00943 |
| *HSD17B11* | -1.31008 | 7.178743 | -11.1731 | 1.7783E-25 | 2.04859E-24 | 46.71577 |
| *SAMD13* | -1.31002 | 2.69091 | -8.11516 | 5.74078E-15 | 2.87671E-14 | 22.85842 |
| *KIAA1683* | -1.30923 | 0.25272 | -8.89896 | 1.84564E-17 | 1.14957E-16 | 28.6718 |
| *BHLHE41* | -1.30918 | 3.679769 | -7.31438 | 1.37551E-12 | 5.68166E-12 | 17.39551 |
| *TMEM140* | -1.30578 | 4.367567 | -12.9358 | 2.51785E-32 | 4.82997E-31 | 62.3863 |
| *CD3E* | -1.30344 | 3.428887 | -7.15543 | 3.88462E-12 | 1.54625E-11 | 16.38873 |
| *NDRG1* | -1.30228 | 6.844536 | -7.89814 | 2.63728E-14 | 1.24885E-13 | 21.25859 |
| *DOCK2* | -1.30162 | 1.5958 | -9.06306 | 5.3095E-18 | 3.44341E-17 | 29.8605 |
| *HCLS1* | -1.30129 | 3.683094 | -8.66331 | 1.07593E-16 | 6.24933E-16 | 26.71334 |
| *TPM2* | -1.30123 | 6.482701 | -5.9584 | 5.49956E-09 | 1.66916E-08 | 9.243607 |
| *PAX5* | -1.29937 | 0.178676 | -5.32106 | 1.7034E-07 | 4.47253E-07 | 6.181595 |
| *GRAMD1C* | -1.29932 | 1.523367 | -9.14615 | 2.80976E-18 | 1.85491E-17 | 30.49407 |
| *KHDRBS2* | -1.29869 | -0.78303 | -20.7034 | 1.18241E-65 | 1.94849E-63 | 138.8268 |
| *TMTC1* | -1.29758 | 0.7824 | -11.0056 | 7.50302E-25 | 8.21156E-24 | 45.50241 |
| *HIST1H2AI* | -1.29657 | 1.170277 | -4.97107 | 9.81192E-07 | 2.38516E-06 | 4.484152 |
| *LY9* | -1.29622 | -0.01393 | -10.2493 | 4.30161E-22 | 3.77821E-21 | 39.19182 |
| *FYB* | -1.296 | 2.277815 | -7.93262 | 2.074E-14 | 9.91064E-14 | 21.63409 |
| *LGR4* | -1.29554 | 5.208029 | -11.1216 | 2.7711E-25 | 3.14004E-24 | 46.27167 |
| *LY86* | -1.29518 | 2.554027 | -8.7491 | 5.68322E-17 | 3.38625E-16 | 27.42393 |
| *CFP* | -1.29466 | 0.814483 | -9.97288 | 4.11144E-21 | 3.36202E-20 | 36.98085 |
| *CRAT* | -1.2932 | 5.566751 | -7.18671 | 3.17113E-12 | 1.27161E-11 | 16.54318 |
| *CD302* | -1.29299 | 1.760187 | -10.958 | 1.12695E-24 | 1.21569E-23 | 45.05007 |
| *CAMK1D* | -1.2925 | 3.637086 | -7.32465 | 1.28552E-12 | 5.32521E-12 | 17.46481 |
| *SMPX* | -1.29108 | 0.531805 | -3.81834 | 0.000155169 | 0.000297892 | -0.32624 |
| *RGL1* | -1.29026 | 2.992295 | -11.7424 | 1.22927E-27 | 1.65398E-26 | 51.71176 |
| *ACVR1C* | -1.28987 | 1.19738 | -7.71335 | 9.44092E-14 | 4.2932E-13 | 20.24629 |
| *PEG3* | -1.28912 | -0.14149 | -11.491 | 1.12275E-26 | 1.42322E-25 | 49.62714 |
| *GPR27* | -1.2891 | 0.021946 | -6.44444 | 3.26867E-10 | 1.10789E-09 | 12.24911 |
| *FBLIM1* | -1.28806 | 5.971504 | -15.1949 | 1.15999E-41 | 4.19026E-40 | 83.76783 |
| *CAMK2N1* | -1.288 | 7.259874 | -8.53959 | 2.68087E-16 | 1.50902E-15 | 25.78765 |
| *NBEA* | -1.28779 | 0.025994 | -8.12634 | 5.30286E-15 | 2.66731E-14 | 23.06955 |
| *SLC35D1* | -1.28772 | 5.050985 | -11.8772 | 3.71997E-28 | 5.16587E-27 | 52.83868 |
| *TMPRSS2* | -1.2877 | 6.743327 | -10.5387 | 3.89904E-23 | 3.73147E-22 | 41.36567 |
| *AKAP7* | -1.28743 | 2.770004 | -7.51666 | 3.58255E-13 | 1.55088E-12 | 18.78239 |
| *RIMS4* | -1.28729 | -0.67815 | -11.1426 | 2.31237E-25 | 2.64098E-24 | 46.54677 |
| *MYZAP* | -1.28696 | 2.327263 | -10.4526 | 7.99608E-23 | 7.44251E-22 | 40.77436 |
| *BHLHA15* | -1.28542 | 1.976848 | -6.75607 | 4.89158E-11 | 1.77515E-10 | 14.04446 |
| *BDKRB2* | -1.28533 | 3.158313 | -11.8444 | 4.977E-28 | 6.87836E-27 | 52.59981 |
| *C1QTNF2* | -1.28509 | 1.071895 | -11.3186 | 5.04747E-26 | 6.08191E-25 | 48.16827 |
| *GALNT16* | -1.28459 | -0.33209 | -11.0484 | 5.19631E-25 | 5.76357E-24 | 45.79682 |
| *ARHGEF6* | -1.28451 | 2.343447 | -11.0248 | 6.36635E-25 | 7.00299E-24 | 45.56354 |
| *TSPAN2* | -1.28419 | 2.740828 | -6.5797 | 1.44544E-10 | 5.04963E-10 | 12.89637 |
| *SLC20A1* | -1.28365 | 5.213686 | -12.5258 | 1.08201E-30 | 1.87408E-29 | 58.64036 |
| *CKMT1B* | -1.28337 | 3.891155 | -7.97578 | 1.53352E-14 | 7.42015E-14 | 21.81391 |
| *MARVELD3* | -1.28241 | 4.315351 | -14.3059 | 6.28251E-38 | 1.78793E-36 | 75.21961 |
| *C2orf72* | -1.28123 | 4.28573 | -6.66027 | 8.83532E-11 | 3.13981E-10 | 13.29273 |
| *CD160* | -1.28066 | -0.18732 | -12.5237 | 1.10334E-30 | 1.9053E-29 | 58.77631 |
| *KBTBD11* | -1.28026 | 3.898341 | -8.94539 | 1.29922E-17 | 8.18959E-17 | 28.79468 |
| *KITLG* | -1.27965 | 3.756654 | -8.47944 | 4.16554E-16 | 2.31014E-15 | 25.37461 |
| *EPAS1* | -1.27926 | 5.933685 | -11.1222 | 2.75675E-25 | 3.12582E-24 | 46.27553 |
| *IGSF10* | -1.27882 | -0.2938 | -9.48537 | 2.01306E-19 | 1.45073E-18 | 33.06463 |
| *CNRIP1* | -1.27784 | 2.075765 | -12.0322 | 9.32874E-29 | 1.37726E-27 | 54.34585 |
| *PTGER2* | -1.27699 | 2.694441 | -6.45372 | 3.09201E-10 | 1.05028E-09 | 12.16006 |
| *IGSF3* | -1.27692 | 3.581122 | -12.6992 | 2.2195E-31 | 4.01715E-30 | 60.24359 |
| *PCDHGC3* | -1.2748 | 2.160614 | -7.56999 | 2.50157E-13 | 1.09637E-12 | 19.19954 |
| *ABCA5* | -1.27313 | 2.015864 | -10.497 | 5.52501E-23 | 5.20693E-22 | 41.17114 |
| *ENPP1* | -1.27209 | 1.885291 | -8.68613 | 9.08261E-17 | 5.32193E-16 | 27.03001 |
| *AKAP9* | -1.27159 | 3.284718 | -12.5736 | 7.00082E-31 | 1.22606E-29 | 59.11526 |
| *CYSLTR1* | -1.27046 | 0.398908 | -10.467 | 7.09406E-23 | 6.63147E-22 | 40.99858 |
| *FOXD2* | -1.26979 | 3.106544 | -7.29228 | 1.59073E-12 | 6.53786E-12 | 17.29081 |
| *ADRB2* | -1.26942 | 0.202978 | -9.67819 | 4.38117E-20 | 3.32634E-19 | 34.63576 |
| *BMF* | -1.26841 | 3.267366 | -10.7948 | 4.51544E-24 | 4.65341E-23 | 43.55031 |
| *SLC10A2* | -1.26802 | -0.84044 | -10.1104 | 1.34326E-21 | 1.1399E-20 | 37.90258 |
| *MT-ND6* | -1.26791 | 11.41407 | -6.12685 | 2.1085E-09 | 6.62731E-09 | 10.24141 |
| *EPHA10* | -1.26653 | 2.73266 | -9.34138 | 6.2084E-19 | 4.31248E-18 | 31.87361 |
| *COX7A1* | -1.26614 | 3.621312 | -8.44248 | 5.45524E-16 | 2.99277E-15 | 25.11538 |
| *JAZF1* | -1.26532 | 2.266201 | -10.7346 | 7.5171E-24 | 7.58295E-23 | 43.12538 |
| *CPT1A* | -1.26525 | 6.194112 | -12.2151 | 1.80581E-29 | 2.81494E-28 | 55.84226 |
| *CACNB2* | -1.26525 | 1.004773 | -9.6913 | 3.94722E-20 | 3.00743E-19 | 34.7402 |
| *TEK* | -1.26522 | 2.049288 | -10.7938 | 4.55326E-24 | 4.68958E-23 | 43.64219 |
| *C10orf128* | -1.26453 | 2.020195 | -9.30644 | 8.14686E-19 | 5.62735E-18 | 31.67515 |
| *ITGAL* | -1.2638 | 2.50968 | -7.83847 | 3.99054E-14 | 1.85864E-13 | 20.96798 |
| *TUBB2B* | -1.26204 | 1.589667 | -5.56767 | 4.68207E-08 | 1.29374E-07 | 7.392711 |
| *HLA-DQA1* | -1.26195 | 4.424412 | -5.18459 | 3.41065E-07 | 8.67986E-07 | 5.24477 |
| *PDE4C* | -1.26154 | 2.005289 | -6.29474 | 7.94224E-10 | 2.59194E-09 | 11.31743 |
| *HCST* | -1.26142 | 3.263702 | -7.20324 | 2.84782E-12 | 1.14622E-11 | 16.70637 |
| *EHHADH* | -1.26113 | 3.83611 | -11.4164 | 2.1542E-26 | 2.65675E-25 | 48.82884 |
| *ZER1* | -1.25967 | 5.394719 | -16.6047 | 1.06365E-47 | 5.75137E-46 | 97.61259 |
| *FLI1* | -1.25848 | 1.793868 | -12.1311 | 3.8452E-29 | 5.85168E-28 | 55.2489 |
| *STMN4* | -1.2583 | -0.77415 | -22.4407 | 2.78387E-73 | 6.88134E-71 | 156.3215 |
| *LPP* | -1.2581 | 3.865502 | -12.1504 | 3.23424E-29 | 4.95678E-28 | 55.2839 |
| *TMEM47* | -1.25713 | 3.132463 | -7.72346 | 8.80949E-14 | 4.01662E-13 | 20.13252 |
| *MAPK4* | -1.2563 | -0.59259 | -10.6464 | 1.58023E-23 | 1.55445E-22 | 42.36449 |
| *BTBD3* | -1.25599 | 4.386434 | -12.3965 | 3.50654E-30 | 5.78947E-29 | 57.47996 |
| *PTH1R* | -1.25425 | 0.03138 | -8.89801 | 1.85892E-17 | 1.1566E-16 | 28.64464 |
| *HLA-DPA1* | -1.2535 | 5.936067 | -4.88456 | 1.49004E-06 | 3.56008E-06 | 3.810326 |
| *PVRL3* | -1.25257 | 3.579476 | -7.83259 | 4.15607E-14 | 1.93469E-13 | 20.84563 |
| *NPY2R* | -1.25255 | -0.78107 | -17.8018 | 6.62696E-53 | 4.90027E-51 | 109.5875 |
| *ITGA7* | -1.2511 | 2.749821 | -8.70653 | 7.80452E-17 | 4.58701E-16 | 27.09519 |
| *KCNIP4* | -1.25082 | 0.631248 | -10.7215 | 8.39534E-24 | 8.42113E-23 | 43.11284 |
| *CAP2* | -1.24919 | 1.992759 | -8.50121 | 3.55203E-16 | 1.97942E-15 | 25.67814 |
| *RNF112* | -1.24918 | 0.02856 | -9.77999 | 1.94402E-20 | 1.51862E-19 | 35.42299 |
| *WFDC2* | -1.24889 | 5.450848 | -3.3464 | 0.00089438 | 0.001568723 | -2.26394 |
| *LMO2* | -1.24744 | 2.629608 | -11.966 | 1.68625E-28 | 2.41333E-27 | 53.71395 |
| *CDA* | -1.24685 | 5.280052 | -5.03756 | 7.0883E-07 | 1.74713E-06 | 4.528105 |
| *GAB1* | -1.2465 | 3.029697 | -16.1743 | 7.63612E-46 | 3.64994E-44 | 93.39937 |
| *CHRNA1* | -1.2455 | 0.6713 | -7.27105 | 1.82858E-12 | 7.47634E-12 | 17.35448 |
| *FOXF1* | -1.24384 | 3.784634 | -8.25065 | 2.18385E-15 | 1.13339E-14 | 23.73974 |
| *MFSD6L* | -1.24361 | 2.075638 | -6.36141 | 5.35911E-10 | 1.78153E-09 | 11.69713 |
| *SPINK5* | -1.24323 | 1.562444 | -5.90407 | 7.45865E-09 | 2.23863E-08 | 9.184591 |
| *SYT4* | -1.24308 | -0.66798 | -10.8876 | 2.05457E-24 | 2.1731E-23 | 44.36698 |
| *KLHL6* | -1.24273 | 0.994781 | -8.48125 | 4.11051E-16 | 2.28108E-15 | 25.61158 |
| *MTRNR2L1* | -1.24242 | 0.988647 | -2.78592 | 0.005585994 | 0.008760487 | -3.65335 |
| *PLA2G5* | -1.2414 | 0.473988 | -6.78598 | 4.06163E-11 | 1.48455E-10 | 14.31587 |
| *RBP5* | -1.24119 | 2.665081 | -10.0704 | 1.86128E-21 | 1.56111E-20 | 37.63017 |
| *GPR18* | -1.24094 | 0.48074 | -8.38089 | 8.53603E-16 | 4.59405E-15 | 24.89632 |
| *RASGRP2* | -1.23823 | 1.098783 | -9.84708 | 1.13478E-20 | 8.99868E-20 | 35.97087 |
| *PAFAH2* | -1.23785 | 4.731303 | -13.4143 | 2.93864E-34 | 6.47736E-33 | 66.80817 |
| *EPB41L4A* | -1.23759 | 0.400431 | -8.28605 | 1.69335E-15 | 8.87881E-15 | 24.21959 |
| *GPR183* | -1.23747 | 3.432841 | -6.94102 | 1.53413E-11 | 5.82638E-11 | 15.04253 |
| *OLFML1* | -1.23631 | 2.263765 | -10.0291 | 2.60543E-21 | 2.15909E-20 | 37.33512 |
| *ATP6V1G2* | -1.23453 | -0.03622 | -11.7185 | 1.51849E-27 | 2.03048E-26 | 51.61998 |
| *PDGFRA* | -1.23404 | 3.201919 | -8.46075 | 4.77454E-16 | 2.63353E-15 | 25.27156 |
| *RP11-249C24.12* | -1.23366 | -0.33833 | -5.58848 | 4.18965E-08 | 1.16493E-07 | 7.444179 |
| *GPRASP1* | -1.23329 | 1.059842 | -9.61555 | 7.20484E-20 | 5.38977E-19 | 34.14595 |
| *MARCKS* | -1.233 | 7.003941 | -9.54685 | 1.24044E-19 | 9.10619E-19 | 33.37652 |
| *ZNF671* | -1.23281 | 0.864413 | -11.9866 | 1.40291E-28 | 2.02626E-27 | 54.00956 |
| *RBM47* | -1.23225 | 5.905571 | -13.8372 | 5.46569E-36 | 1.36272E-34 | 70.76685 |
| *PDZRN3* | -1.23135 | 2.915992 | -7.9399 | 1.97117E-14 | 9.43752E-14 | 21.62663 |
| *RNF186* | -1.2303 | 5.240245 | -4.78176 | 2.42889E-06 | 5.67875E-06 | 3.341662 |
| *TP53INP1* | -1.23024 | 3.632712 | -10.8579 | 2.64484E-24 | 2.76685E-23 | 44.06379 |
| *PKNOX2* | -1.23011 | -0.39355 | -16.3377 | 1.51076E-46 | 7.59902E-45 | 95.05152 |
| *VIT* | -1.22955 | -0.32211 | -9.37134 | 4.91585E-19 | 3.43811E-18 | 32.17371 |
| *PHOX2A* | -1.22917 | -0.65092 | -13.8833 | 3.53317E-36 | 8.93778E-35 | 71.2712 |
| *CD4* | -1.22878 | 4.406816 | -6.79899 | 3.74541E-11 | 1.37419E-10 | 14.13159 |
| *GOLM1* | -1.22837 | 7.709576 | -8.69335 | 8.60871E-17 | 5.0528E-16 | 26.91364 |
| *IL6ST* | -1.22833 | 4.388089 | -11.2701 | 7.68772E-26 | 9.12349E-25 | 47.55305 |
| *CPVL* | -1.22766 | 3.941275 | -6.22189 | 1.21627E-09 | 3.90302E-09 | 10.73855 |
| *SLC23A3* | -1.22718 | 0.943462 | -7.89998 | 2.6037E-14 | 1.23429E-13 | 21.52563 |
| *TOM1L2* | -1.2267 | 4.334582 | -12.4238 | 2.73689E-30 | 4.53605E-29 | 57.72738 |
| *FOXD3* | -1.22648 | -0.57722 | -10.301 | 2.80942E-22 | 2.50187E-21 | 39.51009 |
| *CDKN1A* | -1.22625 | 7.296481 | -7.67694 | 1.21073E-13 | 5.46406E-13 | 19.76054 |
| *IMPA1* | -1.22611 | 4.579396 | -10.2745 | 3.49527E-22 | 3.09195E-21 | 39.19664 |
| *FCRL5* | -1.22599 | 0.321947 | -6.32079 | 6.81337E-10 | 2.23916E-09 | 11.55393 |
| *BAALC* | -1.22592 | -0.1446 | -10.6584 | 1.4289E-23 | 1.41281E-22 | 42.53739 |
| *TMIGD2* | -1.22525 | 0.998402 | -6.85494 | 2.63954E-11 | 9.81349E-11 | 14.7303 |
| *C19orf33* | -1.22444 | 7.62934 | -6.94158 | 1.52875E-11 | 5.80852E-11 | 15.0088 |
| *AGFG2* | -1.22425 | 4.657924 | -10.9365 | 1.35367E-24 | 1.45031E-23 | 44.70306 |
| *TMEM156* | -1.22414 | 0.474085 | -8.31304 | 1.39419E-15 | 7.35926E-15 | 24.41272 |
| *RAI2* | -1.22348 | 2.875108 | -6.51656 | 2.11901E-10 | 7.28929E-10 | 12.5152 |
| *HIST1H2BD* | -1.22338 | 5.197628 | -5.99289 | 4.52709E-09 | 1.38177E-08 | 9.433685 |
| *SOWAHB* | -1.22253 | 3.757619 | -10.4918 | 5.76878E-23 | 5.43075E-22 | 41.00288 |
| *AP3S2* | -1.22061 | 3.21019 | -16.7985 | 1.5418E-48 | 9.06493E-47 | 99.57077 |
| *KLB* | -1.22037 | -0.17246 | -12.5048 | 1.31081E-30 | 2.24341E-29 | 58.60067 |
| *LCP1* | -1.22032 | 5.229061 | -5.62891 | 3.37286E-08 | 9.48797E-08 | 7.478593 |
| *DHDDS* | -1.21986 | 4.516755 | -16.7935 | 1.62075E-48 | 9.47428E-47 | 99.49183 |
| *RBKS* | -1.21984 | 2.210712 | -12.3858 | 3.86202E-30 | 6.33408E-29 | 57.49886 |
| *NUDT12* | -1.21886 | 3.385033 | -6.28072 | 8.62397E-10 | 2.80648E-09 | 11.103 |
| *RGAG4* | -1.21795 | 0.880148 | -9.73603 | 2.76294E-20 | 2.1333E-19 | 35.09888 |
| *PLD1* | -1.21768 | 2.943291 | -11.9992 | 1.25329E-28 | 1.81927E-27 | 53.98636 |
| *RBM24* | -1.21601 | 0.418998 | -6.1548 | 1.7947E-09 | 5.67399E-09 | 10.614 |
| *SESN2* | -1.21523 | 4.536276 | -12.0182 | 1.05722E-28 | 1.55026E-27 | 54.09398 |
| *ABHD5* | -1.21519 | 3.81291 | -14.9338 | 1.4721E-40 | 5.01413E-39 | 81.25809 |
| *SHD* | -1.21506 | 2.391535 | -6.97005 | 1.27619E-11 | 4.87459E-11 | 15.32103 |
| *CPQ* | -1.2138 | 4.036403 | -8.63721 | 1.30539E-16 | 7.52406E-16 | 26.51194 |
| *PI15* | -1.21343 | 0.504852 | -5.55787 | 4.93306E-08 | 1.35875E-07 | 7.393962 |
| *CHRM4* | -1.21338 | -0.0505 | -6.31347 | 7.1139E-10 | 2.33173E-09 | 11.46532 |
| *ANO7* | -1.21294 | 1.929038 | -5.78288 | 1.46004E-08 | 4.26165E-08 | 8.494547 |
| *D4S234E* | -1.21262 | 1.390795 | -6.42681 | 3.63215E-10 | 1.22533E-09 | 12.14518 |
| *SPECC1* | -1.21226 | 2.784359 | -11.3186 | 5.0467E-26 | 6.08191E-25 | 48.0457 |
| *CARTPT* | -1.212 | -0.11974 | -4.63776 | 4.74684E-06 | 1.07788E-05 | 2.920611 |
| *MPC1* | -1.21173 | 6.226388 | -11.7016 | 1.76253E-27 | 2.34774E-26 | 51.2917 |
| *PDE8A* | -1.20987 | 4.041629 | -14.751 | 8.65209E-40 | 2.80351E-38 | 79.48973 |
| *PMP2* | -1.20987 | -0.80122 | -22.4384 | 2.84867E-73 | 6.94234E-71 | 156.2983 |
| *RASSF6* | -1.2074 | 3.471553 | -8.94219 | 1.33117E-17 | 8.38184E-17 | 28.79161 |
| *PPARGC1B* | -1.20727 | 2.304105 | -12.0524 | 7.78542E-29 | 1.15831E-27 | 54.51102 |
| *ANKRD9* | -1.20604 | 4.244334 | -8.95161 | 1.23948E-17 | 7.83011E-17 | 28.83297 |
| *TMEM54* | -1.20451 | 8.809534 | -9.65449 | 5.28958E-20 | 4.00025E-19 | 34.24086 |
| *PLOD2* | -1.20385 | 4.750522 | -7.41068 | 7.27393E-13 | 3.07427E-12 | 17.99644 |
| *TSHZ1* | -1.20289 | 3.426062 | -12.3818 | 4.00465E-30 | 6.56178E-29 | 57.37826 |
| *KCNK10* | -1.20165 | 0.157315 | -6.64707 | 9.57992E-11 | 3.39119E-10 | 13.45948 |
| *FNIP2* | -1.20078 | 3.540004 | -12.6665 | 2.99466E-31 | 5.38635E-30 | 59.94968 |
| *ARHGEF18* | -1.20056 | 2.513815 | -12.7951 | 9.20486E-32 | 1.70344E-30 | 61.18583 |
| *UBE2QL1* | -1.19967 | 0.246024 | -7.52126 | 3.47349E-13 | 1.5048E-12 | 18.97387 |
| *FAM46A* | -1.19955 | 3.820726 | -9.0563 | 5.59072E-18 | 3.61901E-17 | 29.63288 |
| *CKMT1A* | -1.19937 | 3.794153 | -7.59453 | 2.11924E-13 | 9.34007E-13 | 19.23428 |
| *HSPA1A* | -1.19821 | 5.076577 | -5.14436 | 4.17363E-07 | 1.05241E-06 | 5.041509 |
| *PRR5L* | -1.19745 | 4.515586 | -9.85712 | 1.04675E-20 | 8.312E-20 | 35.82986 |
| *STK17B* | -1.19718 | 4.253555 | -10.6272 | 1.85692E-23 | 1.81732E-22 | 42.11226 |
| *ATL1* | -1.19702 | 2.12997 | -11.3781 | 3.00694E-26 | 3.65629E-25 | 48.61663 |
| *MRVI1* | -1.19634 | 3.057529 | -7.99502 | 1.33998E-14 | 6.50737E-14 | 21.99626 |
| *MEOX2* | -1.19623 | 0.445955 | -5.49594 | 6.85014E-08 | 1.86511E-07 | 7.073441 |
| *ZFYVE28* | -1.19612 | 2.162098 | -10.2752 | 3.47518E-22 | 3.07576E-21 | 39.34317 |
| *SNCA* | -1.19539 | 0.554402 | -7.18056 | 3.30042E-12 | 1.3207E-11 | 16.7763 |
| *TUSC5* | -1.19525 | -0.6471 | -6.40377 | 4.16692E-10 | 1.39675E-09 | 11.85466 |
| *CLEC9A* | -1.19443 | -0.49196 | -13.7791 | 9.47941E-36 | 2.32326E-34 | 70.31129 |
| *CPE* | -1.19431 | 4.588023 | -4.58811 | 5.95699E-06 | 1.3388E-05 | 2.487703 |
| *RCAN1* | -1.19361 | 4.142249 | -11.8664 | 4.09388E-28 | 5.67145E-27 | 52.75642 |
| *AIF1* | -1.19308 | 4.617988 | -6.88315 | 2.21077E-11 | 8.2745E-11 | 14.64538 |
| *TNFRSF13C* | -1.19235 | 0.954172 | -6.7977 | 3.77556E-11 | 1.38496E-10 | 14.38423 |
| *PHYH* | -1.19213 | 5.212159 | -8.81884 | 3.37265E-17 | 2.0599E-16 | 27.83081 |
| *GPNMB* | -1.19167 | 4.960817 | -4.60383 | 5.54495E-06 | 1.24976E-05 | 2.551398 |
| *MAGI3* | -1.19127 | 3.297518 | -14.4233 | 2.03704E-38 | 5.94383E-37 | 76.37187 |
| *LEFTY1* | -1.19078 | 5.421171 | -2.51597 | 0.012252688 | 0.018311303 | -4.64855 |
| *PDK2* | -1.18948 | 4.081314 | -10.1577 | 9.12871E-22 | 7.83502E-21 | 38.25577 |
| *DACT2* | -1.18946 | 0.707786 | -4.31558 | 1.99877E-05 | 4.26656E-05 | 1.616483 |
| *TMEM130* | -1.18816 | -0.22145 | -9.79826 | 1.67926E-20 | 1.31774E-19 | 35.5175 |
| *TJP3* | -1.18795 | 6.253844 | -8.76783 | 4.94149E-17 | 2.95857E-16 | 27.45191 |
| *PEG10* | -1.18783 | 0.564323 | -3.86752 | 0.000127877 | 0.000248361 | -0.14281 |
| *WNT9A* | -1.18766 | 1.038107 | -7.10013 | 5.55251E-12 | 2.18452E-11 | 16.25893 |
| *FAM214A* | -1.18678 | 2.498086 | -15.4446 | 1.01004E-42 | 3.954E-41 | 86.2769 |
| *FAM65B* | -1.18676 | 1.00653 | -8.27597 | 1.82072E-15 | 9.51493E-15 | 24.14689 |
| *SLC25A42* | -1.18662 | 2.438206 | -13.1222 | 4.48063E-33 | 9.00446E-32 | 64.19615 |
| *DOCK10* | -1.18645 | 1.36682 | -10.0968 | 1.50128E-21 | 1.27026E-20 | 37.96186 |
| *LITAF* | -1.18638 | 6.656258 | -12.1374 | 3.63461E-29 | 5.55071E-28 | 55.14838 |
| *RAVER2* | -1.18637 | 4.548548 | -11.644 | 2.92901E-27 | 3.84818E-26 | 50.79507 |
| *HLA-DOA* | -1.18607 | 3.10814 | -5.58996 | 4.15653E-08 | 1.15646E-07 | 7.348815 |
| *ANO10* | -1.18554 | 4.7931 | -13.3324 | 6.32031E-34 | 1.35515E-32 | 66.04627 |
| *SMCHD1* | -1.18533 | 3.41792 | -10.4362 | 9.16333E-23 | 8.48785E-22 | 40.56044 |
| *SMIM10* | -1.18441 | 1.913304 | -7.64601 | 1.49459E-13 | 6.67552E-13 | 19.74188 |
| *F2RL1* | -1.18431 | 6.708709 | -10.6366 | 1.71585E-23 | 1.68307E-22 | 42.179 |
| *SIGLEC6* | -1.18425 | -0.28347 | -10.0753 | 1.78857E-21 | 1.50231E-20 | 37.7229 |
| *AQP1* | -1.18364 | 5.557665 | -5.80865 | 1.26689E-08 | 3.72301E-08 | 8.429539 |
| *CYP27A1* | -1.18347 | 5.382932 | -5.94663 | 5.87573E-09 | 1.77772E-08 | 9.178551 |
| *ARHGAP30* | -1.18332 | 3.148428 | -7.72376 | 8.79115E-14 | 4.01037E-13 | 20.1376 |
| *MEI1* | -1.18248 | 0.977677 | -8.21409 | 2.83762E-15 | 1.45912E-14 | 23.71002 |
| *GPIHBP1* | -1.1821 | 0.008462 | -7.65599 | 1.39649E-13 | 6.26158E-13 | 19.83821 |
| *ADAMTSL4* | -1.18145 | 1.877592 | -8.65276 | 1.16339E-16 | 6.73023E-16 | 26.79734 |
| *ZNF134* | -1.18121 | 2.012291 | -7.33676 | 1.18684E-12 | 4.93177E-12 | 17.69524 |
| *TSPYL5* | -1.18117 | 1.452751 | -9.02528 | 7.08301E-18 | 4.55942E-17 | 29.59617 |
| *ARRB1* | -1.1809 | 4.335857 | -11.5337 | 7.72094E-27 | 9.90329E-26 | 49.83615 |
| *NBEAL1* | -1.18058 | 1.146346 | -11.4126 | 2.22717E-26 | 2.74283E-25 | 48.9807 |
| *CCR7* | -1.18015 | 1.754995 | -6.35889 | 5.43989E-10 | 1.80804E-09 | 11.72208 |
| *ZFP3* | -1.17968 | 2.21502 | -8.62865 | 1.39066E-16 | 7.98888E-16 | 26.58645 |
| *GBP3* | -1.17879 | 5.069862 | -5.33599 | 1.57742E-07 | 4.15878E-07 | 5.983268 |
| *TMEM246* | -1.17739 | 4.187906 | -6.38069 | 4.78013E-10 | 1.59673E-09 | 11.64469 |
| *LARGE* | -1.17726 | 2.950606 | -12.0396 | 8.7321E-29 | 1.29359E-27 | 54.34668 |
| *ZEB1* | -1.17554 | 2.41173 | -8.29666 | 1.56885E-15 | 8.24852E-15 | 24.17409 |
| *NXPH3* | -1.1755 | 0.776085 | -5.31955 | 1.71673E-07 | 4.50478E-07 | 6.187461 |
| *SLC22A4* | -1.17521 | 1.796065 | -8.67835 | 9.62278E-17 | 5.6213E-16 | 26.98981 |
| *BIN2* | -1.17272 | 2.578779 | -11.465 | 1.40938E-26 | 1.77098E-25 | 49.33077 |
| *LOXL4* | -1.17238 | 0.911765 | -8.37346 | 9.0079E-16 | 4.83149E-15 | 24.84252 |
| *NTN4* | -1.17079 | 3.55842 | -8.63314 | 1.34524E-16 | 7.74339E-16 | 26.50401 |
| *PIP5K1B* | -1.17055 | 4.985175 | -9.55882 | 1.12861E-19 | 8.30283E-19 | 33.46999 |
| *FAM50B* | -1.16991 | 2.463997 | -5.45671 | 8.42033E-08 | 2.27509E-07 | 6.73391 |
| *OCEL1* | -1.16949 | 4.598525 | -11.1685 | 1.85016E-25 | 2.12996E-24 | 46.67904 |
| *JAM3* | -1.16849 | 2.991489 | -10.0863 | 1.63567E-21 | 1.3779E-20 | 37.73487 |
| *TCF7L1* | -1.16772 | 2.151783 | -12.0898 | 5.57022E-29 | 8.36645E-28 | 54.85888 |
| *XK* | -1.16708 | 4.275594 | -7.35871 | 1.02661E-12 | 4.29174E-12 | 17.66654 |
| *FGF2* | -1.16702 | 0.868827 | -6.67642 | 8.0007E-11 | 2.85494E-10 | 13.65314 |
| *LY96* | -1.16608 | 3.342182 | -6.38106 | 4.76966E-10 | 1.59354E-09 | 11.68626 |
| *BOC* | -1.16508 | 1.224291 | -6.89305 | 2.07718E-11 | 7.7981E-11 | 14.9601 |
| *WAS* | -1.16373 | 3.145849 | -7.88795 | 2.83096E-14 | 1.33763E-13 | 21.25516 |
| *KCNS3* | -1.16359 | 3.038444 | -6.81304 | 3.43111E-11 | 1.26235E-10 | 14.28926 |
| *FBXL22* | -1.16316 | 0.90792 | -9.40137 | 3.88827E-19 | 2.74047E-18 | 32.48618 |
| *CD38* | -1.1628 | 1.228613 | -6.23516 | 1.12579E-09 | 3.62951E-09 | 11.05784 |
| *C1orf21* | -1.16265 | 3.864641 | -7.93898 | 1.98382E-14 | 9.49545E-14 | 21.56412 |
| *CLEC17A* | -1.16262 | -0.34176 | -8.22544 | 2.61627E-15 | 1.34811E-14 | 23.68471 |
| *2-Mar* | -1.16241 | 3.819952 | -9.06027 | 5.42414E-18 | 3.51513E-17 | 29.66427 |
| *CD53* | -1.16226 | 5.061584 | -5.32991 | 1.62756E-07 | 4.2825E-07 | 5.953105 |
| *CACNA1H* | -1.16195 | 2.690411 | -6.90094 | 1.97634E-11 | 7.43081E-11 | 14.8612 |
| *NNAT* | -1.16118 | 1.913173 | -5.78158 | 1.47046E-08 | 4.28918E-08 | 8.493305 |
| *MEOX1* | -1.16111 | 1.275027 | -7.00421 | 1.02675E-11 | 3.94536E-11 | 15.64769 |
| *SATB2* | -1.16096 | 4.696089 | -5.54772 | 5.20693E-08 | 1.4285E-07 | 7.062903 |
| *CAPN2* | -1.16042 | 6.47741 | -9.53303 | 1.38329E-19 | 1.01077E-18 | 33.26572 |
| *GNG12* | -1.15973 | 6.545664 | -9.94573 | 5.12171E-21 | 4.1567E-20 | 36.52978 |
| *CD14* | -1.15781 | 6.259818 | -5.94197 | 6.03152E-09 | 1.82262E-08 | 9.152385 |
| *FERMT2* | -1.15671 | 2.838908 | -7.37538 | 9.19367E-13 | 3.85644E-12 | 17.8573 |
| *SERPINA9* | -1.15631 | -0.70994 | -8.54705 | 2.53782E-16 | 1.43129E-15 | 25.91094 |
| *PLXNA2* | -1.15615 | 3.792473 | -10.6484 | 1.5541E-23 | 1.52961E-22 | 42.30372 |
| *IFIT1* | -1.15613 | 2.665631 | -5.76105 | 1.6458E-08 | 4.77486E-08 | 8.294553 |
| *ANTXR2* | -1.1559 | 4.425332 | -8.54144 | 2.6447E-16 | 1.48962E-15 | 25.80631 |
| *GDNF* | -1.15554 | 0.246971 | -8.98971 | 9.2833E-18 | 5.92946E-17 | 29.34276 |
| *SOS2* | -1.15536 | 4.031296 | -13.8146 | 6.77323E-36 | 1.68387E-34 | 70.57 |
| *SELL* | -1.1548 | 2.562439 | -5.8368 | 1.08434E-08 | 3.20341E-08 | 8.713112 |
| *KLRF1* | -1.15474 | -0.26049 | -8.86914 | 2.3109E-17 | 1.42755E-16 | 28.36467 |
| *CAND2* | -1.15325 | 0.242493 | -11.6265 | 3.41646E-27 | 4.46488E-26 | 50.83569 |
| *TMEM200B* | -1.15317 | 1.597064 | -7.85248 | 3.62143E-14 | 1.69447E-13 | 21.1698 |
| *FCRL1* | -1.15218 | -0.39675 | -7.67795 | 1.20234E-13 | 5.42905E-13 | 19.90128 |
| *BST1* | -1.15103 | 2.27608 | -7.55162 | 2.83166E-13 | 1.23572E-12 | 19.07712 |
| *LRCH2* | -1.15022 | 0.262052 | -8.62034 | 1.47881E-16 | 8.48403E-16 | 26.6107 |
| *LRRC1* | -1.14926 | 4.833443 | -15.5341 | 4.20366E-43 | 1.68761E-41 | 87.07476 |
| *RAP1A* | -1.14879 | 5.155847 | -13.2878 | 9.5858E-34 | 2.03015E-32 | 65.62932 |
| *ELAVL4* | -1.1459 | -0.58188 | -14.8062 | 5.07206E-40 | 1.67166E-38 | 80.07132 |
| *CEND1* | -1.14586 | 0.00202 | -8.08099 | 7.31216E-15 | 3.63361E-14 | 22.73643 |
| *HIF3A* | -1.14498 | 0.238698 | -5.77436 | 1.52997E-08 | 4.45299E-08 | 8.515268 |
| *EGLN3* | -1.14482 | 4.415037 | -5.62073 | 3.52445E-08 | 9.8951E-08 | 7.447088 |
| *SSC5D* | -1.14474 | 2.089792 | -5.56323 | 4.79432E-08 | 1.32264E-07 | 7.32544 |
| *PLA2G2A* | -1.14441 | 7.041781 | -2.26376 | 0.024112212 | 0.034329444 | -5.24012 |
| *RAPGEFL1* | -1.14439 | 5.525167 | -7.07448 | 6.54858E-12 | 2.55837E-11 | 15.83134 |
| *FCN1* | -1.14308 | 0.890375 | -5.30661 | 1.83466E-07 | 4.80113E-07 | 6.122882 |
| *ITPR1* | -1.14235 | 1.716959 | -10.4683 | 7.01417E-23 | 6.56033E-22 | 40.97194 |
| *MPP7* | -1.14212 | 3.784647 | -7.97925 | 1.4967E-14 | 7.25009E-14 | 21.84543 |
| *STX19* | -1.14097 | 4.124114 | -6.22469 | 1.19665E-09 | 3.8422E-09 | 10.75053 |
| *HLA-DPB1* | -1.1398 | 6.681557 | -4.85086 | 1.75056E-06 | 4.15045E-06 | 3.656925 |
| *MBOAT1* | -1.1398 | 4.752967 | -8.82327 | 3.26238E-17 | 1.99467E-16 | 27.86847 |
| *CMTM5* | -1.13865 | -0.80787 | -20.8549 | 2.54721E-66 | 4.32102E-64 | 140.3496 |
| *SLC2A5* | -1.13832 | 1.493519 | -6.66867 | 8.39065E-11 | 2.98731E-10 | 13.57499 |
| *NACAD* | -1.13798 | 0.426346 | -9.40127 | 3.89142E-19 | 2.74158E-18 | 32.48395 |
| *TUB* | -1.13752 | 0.262962 | -8.71774 | 7.18015E-17 | 4.23587E-16 | 27.32208 |
| *OLFML3* | -1.13719 | 4.46775 | -5.9431 | 5.99343E-09 | 1.81175E-08 | 9.170015 |
| *DTNA* | -1.13674 | 0.353505 | -5.89812 | 7.71061E-09 | 2.31065E-08 | 9.188189 |
| *SCIMP* | -1.13602 | 1.190464 | -7.42396 | 6.65885E-13 | 2.82397E-12 | 18.33748 |
| *TNFSF12* | -1.13568 | 4.225841 | -8.46446 | 4.64698E-16 | 2.566E-15 | 25.2547 |
| *CPEB3* | -1.13546 | 1.317007 | -13.1199 | 4.57724E-33 | 9.18793E-32 | 64.2483 |
| *NLRP2* | -1.13536 | 1.003699 | -3.2327 | 0.001325631 | 0.002270731 | -2.33012 |
| *CACFD1* | -1.13377 | 5.401187 | -10.1505 | 9.68171E-22 | 8.2932E-21 | 38.18008 |
| *SDHD* | -1.13351 | 6.626371 | -9.22119 | 1.57655E-18 | 1.06392E-17 | 30.8585 |
| *PDE4D* | -1.13325 | 1.836894 | -10.1245 | 1.19712E-21 | 1.02038E-20 | 38.15394 |
| *INPP5J* | -1.1332 | 3.349317 | -7.45986 | 5.24092E-13 | 2.24465E-12 | 18.37084 |
| *RNASE1* | -1.13313 | 7.775682 | -6.16368 | 1.705E-09 | 5.40125E-09 | 10.39541 |
| *NEO1* | -1.13285 | 5.514474 | -8.23787 | 2.39345E-15 | 1.23697E-14 | 23.62139 |
| *GFI1* | -1.13257 | 1.870953 | -6.07839 | 2.78406E-09 | 8.64391E-09 | 10.12167 |
| *FAM161B* | -1.13235 | 1.391014 | -13.63 | 3.87204E-35 | 9.05376E-34 | 68.98362 |
| *FMN2* | -1.13234 | -0.60686 | -9.12908 | 3.20332E-18 | 2.1115E-17 | 30.24448 |
| *GZMK* | -1.13169 | 1.184261 | -5.04822 | 6.72599E-07 | 1.66304E-06 | 4.858955 |
| *FLNA* | -1.13146 | 7.444684 | -4.93307 | 1.17974E-06 | 2.84861E-06 | 4.042645 |
| *SCP2* | -1.13146 | 5.649072 | -11.9148 | 2.66116E-28 | 3.74968E-27 | 53.16924 |
| *NECAB1* | -1.13043 | -0.31486 | -9.7223 | 3.08304E-20 | 2.36462E-19 | 34.89154 |
| *LGI1* | -1.12966 | -0.85628 | -30.8393 | 9.0274E-109 | 1.562E-105 | 237.7154 |
| *FGF7* | -1.12941 | 1.168334 | -6.02128 | 3.8545E-09 | 1.18462E-08 | 9.864053 |
| *TNFRSF11A* | -1.12921 | 3.708677 | -6.33514 | 6.26027E-10 | 2.06799E-09 | 11.40127 |
| *POLD4* | -1.12901 | 4.805466 | -12.2534 | 1.27877E-29 | 2.02253E-28 | 56.19007 |
| *DIXDC1* | -1.12837 | 2.466674 | -11.405 | 2.37944E-26 | 2.92203E-25 | 48.82398 |
| *SCAMP5* | -1.12763 | 2.939953 | -6.77824 | 4.26219E-11 | 1.55455E-10 | 14.08583 |
| *PRUNE2* | -1.12716 | 3.032228 | -5.31461 | 1.76082E-07 | 4.61348E-07 | 5.961284 |
| *HCK* | -1.12654 | 3.783508 | -6.4176 | 3.83738E-10 | 1.29104E-09 | 11.87534 |
| *KRCC1* | -1.12652 | 6.13288 | -7.51836 | 3.54183E-13 | 1.53364E-12 | 18.6979 |
| *SEMA3B* | -1.12551 | 4.600986 | -6.28235 | 8.54162E-10 | 2.78125E-09 | 11.06908 |
| *CTB-133G6.1* | -1.12531 | 0.091143 | -7.86738 | 3.26595E-14 | 1.53419E-13 | 21.27137 |
| *GNE* | -1.12518 | 5.110436 | -5.28186 | 2.0825E-07 | 5.42429E-07 | 5.714214 |
| *CACNA2D1* | -1.12511 | 0.766474 | -7.28422 | 1.67713E-12 | 6.87501E-12 | 17.4421 |
| *TRIM9* | -1.12431 | -0.32203 | -8.82739 | 3.16306E-17 | 1.9353E-16 | 28.03325 |
| *BAI3* | -1.12393 | -0.69662 | -17.9785 | 1.11872E-53 | 8.6804E-52 | 111.3572 |
| *CBX6* | -1.12246 | 3.514193 | -7.07682 | 6.45123E-12 | 2.52261E-11 | 15.89289 |
| *DUSP1* | -1.12193 | 7.093849 | -5.61025 | 3.72849E-08 | 1.04341E-07 | 7.383614 |
| *MGAM* | -1.12188 | -0.3371 | -8.44099 | 5.51454E-16 | 3.02434E-15 | 25.19919 |
| *ARHGAP25* | -1.12184 | 2.052945 | -9.68898 | 4.02057E-20 | 3.06062E-19 | 34.65864 |
| *CBLN2* | -1.12165 | -0.46174 | -11.8869 | 3.41123E-28 | 4.75238E-27 | 53.02433 |
| *MPND* | -1.12148 | 5.406997 | -11.8965 | 3.13323E-28 | 4.38982E-27 | 53.00778 |
| *KLC4* | -1.12064 | 4.999498 | -8.50602 | 3.42934E-16 | 1.91227E-15 | 25.54235 |
| *TLL1* | -1.12059 | -0.39778 | -11.4772 | 1.26668E-26 | 1.59864E-25 | 49.44291 |
| *TLR1* | -1.12059 | 1.298805 | -7.30115 | 1.50059E-12 | 6.18061E-12 | 17.53537 |
| *HVCN1* | -1.12002 | 1.675998 | -10.8727 | 2.33168E-24 | 2.45258E-23 | 44.34784 |
| *HLA-DMB* | -1.11983 | 3.999788 | -5.49413 | 6.91573E-08 | 1.88179E-07 | 6.804892 |
| *CCR10* | -1.11937 | 0.34962 | -7.247 | 2.1404E-12 | 8.70602E-12 | 17.19378 |
| *KIF5C* | -1.11866 | -0.05682 | -9.36993 | 4.97013E-19 | 3.47467E-18 | 32.18937 |
| *CDO1* | -1.1181 | 0.029762 | -6.79554 | 3.82682E-11 | 1.40287E-10 | 14.32198 |
| *ILK* | -1.11674 | 3.473278 | -10.4 | 1.23831E-22 | 1.13488E-21 | 40.26259 |
| *NEFM* | -1.11644 | -0.68601 | -15.4944 | 6.20326E-43 | 2.46747E-41 | 86.72417 |
| *ABCD3* | -1.11626 | 4.957257 | -11.9983 | 1.264E-28 | 1.83327E-27 | 53.91256 |
| *TMEM30B* | -1.11577 | 5.556663 | -10.5105 | 4.93362E-23 | 4.67505E-22 | 41.13023 |
| *TREH* | -1.11572 | 0.941063 | -5.14076 | 4.24941E-07 | 1.07105E-06 | 5.308769 |
| *LRRC26* | -1.11561 | 2.924822 | -2.97512 | 0.003102369 | 0.005051787 | -3.30248 |
| *TMEM45B* | -1.11543 | 7.294635 | -7.9655 | 1.64802E-14 | 7.94086E-14 | 21.7239 |
| *GPR37L1* | -1.11522 | 0.660873 | -7.82905 | 4.25915E-14 | 1.98108E-13 | 21.04942 |
| *TRPM4* | -1.11499 | 5.806048 | -7.49417 | 4.16591E-13 | 1.79489E-12 | 18.53815 |
| *LONRF2* | -1.11481 | -0.65724 | -12.0633 | 7.06246E-29 | 1.05346E-27 | 54.54644 |
| *PLEKHO1* | -1.11473 | 3.543582 | -7.98416 | 1.44607E-14 | 7.00877E-14 | 21.89262 |
| *MYO1D* | -1.11343 | 7.286571 | -8.81704 | 3.41853E-17 | 2.08645E-16 | 27.82077 |
| *PCSK7* | -1.11302 | 2.936286 | -12.2258 | 1.64028E-29 | 2.57082E-28 | 56.01246 |
| *EAF2* | -1.1128 | 2.444091 | -10.2705 | 3.61191E-22 | 3.19024E-21 | 39.28616 |
| *FAM21C* | -1.11106 | 3.821773 | -13.123 | 4.44879E-33 | 8.95087E-32 | 64.12555 |
| *TNFAIP8L2* | -1.10995 | 2.756733 | -8.00443 | 1.25429E-14 | 6.11007E-14 | 22.09653 |
| *POU2F2* | -1.10835 | 0.98341 | -8.80989 | 3.60663E-17 | 2.1966E-16 | 28.01516 |
| *RECK* | -1.10809 | 1.706457 | -11.061 | 4.66506E-25 | 5.19765E-24 | 45.94056 |
| *GPR174* | -1.10504 | 0.279823 | -5.9531 | 5.66579E-09 | 1.71811E-08 | 9.478433 |
| *CD8A* | -1.10436 | 2.425433 | -5.42399 | 9.99342E-08 | 2.68045E-07 | 6.577978 |
| *FGF10* | -1.10365 | 0.04808 | -7.42995 | 6.39846E-13 | 2.71687E-12 | 18.33668 |
| *ADRB1* | -1.10198 | 0.460092 | -5.12785 | 4.53239E-07 | 1.13922E-06 | 5.245935 |
| *WASL* | -1.10164 | 5.993269 | -11.9056 | 2.88954E-28 | 4.05826E-27 | 53.08721 |
| *TWIST2* | -1.10163 | 1.212398 | -6.5301 | 1.95253E-10 | 6.74343E-10 | 12.77139 |
| *PHYHD1* | -1.10146 | 1.156948 | -7.37711 | 9.0891E-13 | 3.8135E-12 | 18.03437 |
| *PC* | -1.10112 | 3.334819 | -8.68434 | 9.20417E-17 | 5.38403E-16 | 26.89547 |
| *HIST1H2AC* | -1.10106 | 5.768954 | -5.91936 | 6.84699E-09 | 2.06112E-08 | 9.028445 |
| *MDFIC* | -1.10022 | 2.695099 | -7.65684 | 1.38841E-13 | 6.23011E-13 | 19.73564 |
| *ZNF844* | -1.10011 | 2.25977 | -6.77711 | 4.29199E-11 | 1.56445E-10 | 14.15609 |
| *TP53I3* | -1.09914 | 5.50201 | -10.8875 | 2.05467E-24 | 2.1731E-23 | 44.28299 |
| *MYCT1* | -1.09816 | 1.891989 | -9.61723 | 7.10945E-20 | 5.32532E-19 | 34.11207 |
| *ANKRD65* | -1.0972 | 1.127912 | -6.93436 | 1.6002E-11 | 6.06798E-11 | 15.22272 |
| *S1PR1* | -1.09712 | 3.474239 | -8.34519 | 1.10533E-15 | 5.88117E-15 | 24.43233 |
| *MFSD7* | -1.0967 | 2.119759 | -7.88722 | 2.84553E-14 | 1.34341E-13 | 21.35939 |
| *HK2* | -1.09652 | 6.34087 | -7.86683 | 3.27847E-14 | 1.53899E-13 | 21.04114 |
| *GNA13* | -1.09631 | 5.454849 | -12.5189 | 1.15208E-30 | 1.98469E-29 | 58.57745 |
| *AXL* | -1.09583 | 4.006213 | -7.04768 | 7.77744E-12 | 3.01937E-11 | 15.6868 |
| *ROR1* | -1.09575 | 0.681456 | -6.09427 | 2.54216E-09 | 7.92416E-09 | 10.27918 |
| *BDH2* | -1.09565 | 3.724574 | -8.84362 | 2.80001E-17 | 1.71986E-16 | 28.04841 |
| *PANK3* | -1.09561 | 4.537982 | -10.1106 | 1.3409E-21 | 1.13845E-20 | 37.86607 |
| *ACO2* | -1.09547 | 6.640547 | -11.9896 | 1.36524E-28 | 1.97514E-27 | 53.83323 |
| *CTSF* | -1.09545 | 3.967022 | -6.23301 | 1.13995E-09 | 3.67241E-09 | 10.80457 |
| *TAX1BP3* | -1.09486 | 6.0619 | -10.6364 | 1.71921E-23 | 1.68541E-22 | 42.17515 |
| *FEZ1* | -1.09479 | 1.506176 | -9.54361 | 1.27257E-19 | 9.32627E-19 | 33.56742 |
| *C16orf45* | -1.09415 | 2.571944 | -8.01608 | 1.15567E-14 | 5.65675E-14 | 22.19771 |
| *PTPLAD2* | -1.09414 | 1.138705 | -9.87159 | 9.31664E-21 | 7.42884E-20 | 36.17101 |
| *TPM1* | -1.0941 | 6.363413 | -8.07696 | 7.52359E-15 | 3.73439E-14 | 22.4918 |
| *DPEP2* | -1.09339 | 0.865741 | -8.12131 | 5.49555E-15 | 2.75862E-14 | 23.06425 |
| *ARHGEF26* | -1.09339 | 1.647863 | -7.61278 | 1.87278E-13 | 8.28764E-13 | 19.55364 |
| *EPHA4* | -1.09265 | 1.497747 | -5.18217 | 3.45241E-07 | 8.77841E-07 | 5.482572 |
| *PPP1R14C* | -1.09079 | 4.557806 | -3.90031 | 0.000112277 | 0.00021984 | -0.30767 |
| *CDKL1* | -1.09078 | 0.518585 | -10.6144 | 2.06705E-23 | 2.02069E-22 | 42.22018 |
| *HTR7* | -1.08965 | -0.41949 | -12.81 | 8.02904E-32 | 1.49544E-30 | 61.31989 |
| *DNAJB4* | -1.08952 | 3.048733 | -9.71206 | 3.34529E-20 | 2.56236E-19 | 34.74669 |
| *IL10RB* | -1.08904 | 6.031886 | -12.8905 | 3.82335E-32 | 7.25389E-31 | 61.962 |
| *CORO2A* | -1.08833 | 5.211291 | -8.97936 | 1.00424E-17 | 6.39777E-17 | 29.02861 |
| *MAPK10* | -1.0883 | -0.0273 | -12.5257 | 1.08347E-30 | 1.87434E-29 | 58.79407 |
| *NLGN4X* | -1.08819 | -0.07476 | -9.89745 | 7.56439E-21 | 6.08492E-20 | 36.31543 |
| *ATP8B2* | -1.08742 | 2.586907 | -8.47839 | 4.1976E-16 | 2.32568E-15 | 25.46385 |
| *SYTL5* | -1.0869 | 1.877518 | -4.63629 | 4.77884E-06 | 1.08472E-05 | 2.917149 |
| *SEMA4G* | -1.08547 | 5.175911 | -8.50849 | 3.36772E-16 | 1.87973E-15 | 25.55884 |
| *PDLIM2* | -1.08527 | 2.175933 | -9.81345 | 1.48671E-20 | 1.17036E-19 | 35.63274 |
| *ELMSAN1* | -1.08519 | 3.304622 | -14.4739 | 1.25245E-38 | 3.69184E-37 | 76.85923 |
| *PACSIN2* | -1.08517 | 6.156069 | -14.141 | 3.0404E-37 | 8.25872E-36 | 73.64139 |
| *ZSWIM6* | -1.08469 | 3.452321 | -14.7462 | 9.06877E-40 | 2.92755E-38 | 79.4648 |
| *SECISBP2L* | -1.0837 | 3.412062 | -11.5977 | 4.40311E-27 | 5.73698E-26 | 50.42878 |
| *SH3BP1* | -1.08293 | 4.692022 | -9.29369 | 8.99413E-19 | 6.18543E-18 | 31.42019 |
| *TESPA1* | -1.08288 | 0.358341 | -8.29065 | 1.6383E-15 | 8.60056E-15 | 24.24463 |
| *RNLS* | -1.08244 | 2.382713 | -5.56895 | 4.6502E-08 | 1.28555E-07 | 7.32874 |
| *FAM162A* | -1.08171 | 5.941637 | -11.1286 | 2.61038E-25 | 2.96959E-24 | 46.32948 |
| *SPTLC3* | -1.08126 | 1.218052 | -6.32455 | 6.66418E-10 | 2.19179E-09 | 11.57301 |
| *SLC17A7* | -1.08119 | -0.55221 | -18.39 | 1.76442E-55 | 1.5189E-53 | 115.4993 |
| *CYP26B1* | -1.08108 | 0.96064 | -6.65612 | 9.06273E-11 | 3.21667E-10 | 13.53148 |
| *RGS13* | -1.07917 | -0.39364 | -7.59245 | 2.14931E-13 | 9.46537E-13 | 19.32361 |
| *RARRES2* | -1.07871 | 6.029643 | -5.67344 | 2.65237E-08 | 7.531E-08 | 7.710277 |
| *SOCS6* | -1.07729 | 4.118451 | -10.5534 | 3.44791E-23 | 3.31808E-22 | 41.50408 |
| *C11orf54* | -1.07609 | 4.202399 | -9.35267 | 5.68591E-19 | 3.96228E-18 | 31.88356 |
| *TRAK2* | -1.07498 | 4.388628 | -15.202 | 1.08286E-41 | 3.92803E-40 | 83.84558 |
| *RGS18* | -1.0748 | 0.705263 | -6.86431 | 2.48878E-11 | 9.28489E-11 | 14.79854 |
| *NEDD9* | -1.07395 | 4.266527 | -8.20559 | 3.01528E-15 | 1.54496E-14 | 23.40959 |
| *HIST1H3H* | -1.07372 | 2.665209 | -5.41161 | 1.06598E-07 | 2.85036E-07 | 6.489841 |
| *SH3BGRL2* | -1.07312 | 6.377123 | -9.29383 | 8.98442E-19 | 6.18121E-18 | 31.41375 |
| *STOX2* | -1.07305 | -0.41629 | -14.515 | 8.44025E-39 | 2.53986E-37 | 77.28895 |
| *SOCS2* | -1.07269 | 2.351889 | -8.94153 | 1.33784E-17 | 8.42073E-17 | 28.89281 |
| *PRKG1* | -1.07255 | 1.842106 | -8.2384 | 2.38424E-15 | 1.23258E-14 | 23.83204 |
| *SAMSN1* | -1.07238 | 2.398325 | -6.6261 | 1.0892E-10 | 3.83993E-10 | 13.23098 |
| *MATK* | -1.07231 | 1.077389 | -6.33207 | 6.37477E-10 | 2.10381E-09 | 11.62264 |
| *HLA-DOB* | -1.07223 | 1.53116 | -6.12819 | 2.09228E-09 | 6.57871E-09 | 10.43835 |
| *KLHDC8B* | -1.07212 | 3.675418 | -8.37532 | 8.88736E-16 | 4.77275E-15 | 24.63771 |
| *ACTA2* | -1.07139 | 7.259005 | -4.95108 | 1.08124E-06 | 2.61819E-06 | 4.124516 |
| *CTSS* | -1.07128 | 7.53017 | -8.33534 | 1.18694E-15 | 6.29796E-15 | 24.31987 |
| *VDR* | -1.07107 | 5.858675 | -9.45064 | 2.64383E-19 | 1.88566E-18 | 32.62362 |
| *ATP2B1* | -1.07069 | 4.310914 | -10.9011 | 1.82997E-24 | 1.94139E-23 | 44.41114 |
| *DOK2* | -1.06975 | 3.111001 | -6.61669 | 1.15368E-10 | 4.05899E-10 | 13.09967 |
| *STIM1* | -1.06969 | 4.684832 | -15.3962 | 1.62366E-42 | 6.25705E-41 | 85.73111 |
| *TCEAL3* | -1.06959 | 2.986239 | -7.86703 | 3.27373E-14 | 1.53719E-13 | 21.13197 |
| *RXRA* | -1.06913 | 4.591978 | -11.666 | 2.41375E-27 | 3.18575E-26 | 50.98767 |
| *DENND1C* | -1.06878 | 4.332586 | -11.2383 | 1.01194E-25 | 1.19032E-24 | 47.28338 |
| *ARHGAP42* | -1.06876 | 2.326037 | -11.0214 | 6.5516E-25 | 7.19488E-24 | 45.55259 |
| *HOXD10* | -1.06864 | 1.508469 | -3.88997 | 0.000116993 | 0.000228556 | -0.08851 |
| *BTLA* | -1.06842 | -0.01151 | -8.78965 | 4.19739E-17 | 2.53499E-16 | 27.808 |
| *VLDLR* | -1.067 | 1.391929 | -6.31627 | 6.99731E-10 | 2.29699E-09 | 11.51517 |
| *ECE1* | -1.06562 | 6.04729 | -9.6367 | 6.09247E-20 | 4.58339E-19 | 34.0764 |
| *MTUS1* | -1.06555 | 4.079332 | -8.80121 | 3.84905E-17 | 2.33603E-16 | 27.72031 |
| *MAB21L1* | -1.06499 | -0.67757 | -16.128 | 1.20781E-45 | 5.72569E-44 | 92.93367 |
| *GLDN* | -1.0647 | 0.262186 | -6.70183 | 6.8415E-11 | 2.45803E-10 | 13.78691 |
| *PPY* | -1.06335 | -0.70946 | -8.26244 | 2.00656E-15 | 1.04514E-14 | 23.85779 |
| *ACOT11* | -1.06295 | 3.308961 | -8.44521 | 5.34744E-16 | 2.93829E-15 | 25.16338 |
| *ITGA4* | -1.0625 | 2.025714 | -8.35669 | 1.01716E-15 | 5.43708E-15 | 24.65446 |
| *PCDH7* | -1.06207 | 1.344446 | -6.94321 | 1.51308E-11 | 5.75022E-11 | 15.26923 |
| *NTS* | -1.06159 | 0.540856 | -2.76507 | 0.005948739 | 0.009298196 | -3.69977 |
| *LAG3* | -1.06153 | 2.013071 | -5.91913 | 6.85583E-09 | 2.06343E-08 | 9.234119 |
| *FGFBP1* | -1.0614 | 4.140747 | -4.01822 | 6.97991E-05 | 0.000140206 | 0.153853 |
| *STOM* | -1.06137 | 6.148694 | -6.34062 | 6.06077E-10 | 2.00477E-09 | 11.39471 |
| *SUSD6* | -1.06065 | 5.26106 | -10.7684 | 5.64664E-24 | 5.76084E-23 | 43.28148 |
| *FERMT3* | -1.06044 | 4.471069 | -5.83699 | 1.08317E-08 | 3.20049E-08 | 8.594621 |
| *MAGEH1* | -1.05975 | 3.862509 | -7.0943 | 5.76506E-12 | 2.26557E-11 | 15.98771 |
| *RAB9B* | -1.05966 | 0.377119 | -6.99484 | 1.08997E-11 | 4.18362E-11 | 15.59468 |
| *PQLC1* | -1.05751 | 4.803256 | -9.43592 | 2.96729E-19 | 2.10941E-18 | 32.51612 |
| *IKZF3* | -1.05712 | 1.597418 | -6.1567 | 1.77516E-09 | 5.61528E-09 | 10.59316 |
| *CADM2* | -1.056 | -0.79526 | -15.7461 | 5.23427E-44 | 2.22527E-42 | 89.16492 |
| *CD207* | -1.05453 | 0.457126 | -5.83778 | 1.07844E-08 | 3.18925E-08 | 8.865812 |
| *ETNK1* | -1.05447 | 4.995204 | -8.61489 | 1.5396E-16 | 8.81816E-16 | 26.33354 |
| *NELL2* | -1.05387 | 0.643736 | -4.64721 | 4.54481E-06 | 1.03431E-05 | 3.033076 |
| *DST* | -1.05323 | 2.915829 | -8.77961 | 4.52466E-17 | 2.71895E-16 | 27.63177 |
| *RASL12* | -1.0525 | 2.89639 | -7.84714 | 3.75792E-14 | 1.75454E-13 | 21.00657 |
| *FAM63A* | -1.05226 | 4.395211 | -10.2723 | 3.5601E-22 | 3.14609E-21 | 39.18351 |
| *STAP2* | -1.05183 | 6.773467 | -8.42422 | 6.23104E-16 | 3.39791E-15 | 24.95046 |
| *EMILIN3* | -1.05168 | -0.35974 | -11.0133 | 7.02352E-25 | 7.70139E-24 | 45.46432 |
| *FCGRT* | -1.05159 | 7.442267 | -6.25156 | 1.02296E-09 | 3.31096E-09 | 10.88972 |
| *FBXL7* | -1.05091 | 1.794651 | -8.82021 | 3.33822E-17 | 2.03959E-16 | 28.04763 |
| *KCNK5* | -1.05054 | 5.286329 | -6.81932 | 3.29905E-11 | 1.21661E-10 | 14.24657 |
| *MAP2K6* | -1.05042 | 3.520357 | -7.91167 | 2.40018E-14 | 1.14032E-13 | 21.39864 |
| *RBMS3* | -1.04951 | 0.494626 | -10.018 | 2.85134E-21 | 2.35835E-20 | 37.34297 |
| *PRICKLE2* | -1.04949 | 1.229482 | -8.21752 | 2.76872E-15 | 1.42533E-14 | 23.73094 |
| *SVOPL* | -1.04859 | -0.56671 | -6.79002 | 3.96067E-11 | 1.45009E-10 | 14.15195 |
| *LTB* | -1.04807 | 3.713928 | -5.76827 | 1.58193E-08 | 4.59496E-08 | 8.254101 |
| *HERC3* | -1.04707 | 3.140887 | -13.0298 | 1.0553E-32 | 2.07497E-31 | 63.30235 |
| *STX12* | -1.04696 | 5.290404 | -12.0174 | 1.06481E-28 | 1.55876E-27 | 54.08072 |
| *TMEM25* | -1.04687 | 1.374353 | -6.87422 | 2.33853E-11 | 8.74509E-11 | 14.84098 |
| *NHSL1* | -1.04679 | 4.336172 | -9.79387 | 1.73942E-20 | 1.36371E-19 | 35.33219 |
| *MEIS2* | -1.04606 | 0.744986 | -5.92585 | 6.6026E-09 | 1.98998E-08 | 9.350852 |
| *RAB30* | -1.04563 | 1.843177 | -10.1062 | 1.38993E-21 | 1.17834E-20 | 38.01178 |
| *VPS4B* | -1.04504 | 5.532764 | -10.7052 | 9.63336E-24 | 9.58517E-23 | 42.7503 |
| *GSTM4* | -1.04466 | 4.163079 | -7.99622 | 1.32874E-14 | 6.45638E-14 | 21.95133 |
| *MAP6* | -1.0441 | 0.148469 | -8.45206 | 5.087E-16 | 2.79963E-15 | 25.36909 |
| *COL4A6* | -1.04357 | -0.22284 | -7.77784 | 6.06417E-14 | 2.78546E-13 | 20.59758 |
| *GLI3* | -1.04321 | 0.763753 | -6.48165 | 2.61492E-10 | 8.93835E-10 | 12.49901 |
| *IL1R1* | -1.04308 | 3.546036 | -7.26235 | 1.93586E-12 | 7.9019E-12 | 17.07664 |
| *MIXL1* | -1.04294 | -0.14341 | -7.63037 | 1.66215E-13 | 7.38578E-13 | 19.61875 |
| *TTC28* | -1.0428 | 1.272969 | -9.21058 | 1.7111E-18 | 1.15024E-17 | 31.01636 |
| *AXDND1* | -1.04277 | 0.481147 | -4.11201 | 4.74262E-05 | 9.71143E-05 | 0.791783 |
| *CRTAC1* | -1.04272 | -0.18666 | -5.68179 | 2.53503E-08 | 7.20731E-08 | 7.927559 |
| *ABCA1* | -1.0427 | 2.73951 | -8.429 | 6.01792E-16 | 3.28791E-15 | 25.09599 |
| *KRT1* | -1.04268 | -0.39016 | -7.14972 | 4.03106E-12 | 1.60307E-11 | 16.43218 |
| *DYRK2* | -1.0423 | 4.586876 | -13.3217 | 6.98375E-34 | 1.49001E-32 | 65.95031 |
| *CNTN2* | -1.04229 | -0.75922 | -18.2567 | 6.77326E-55 | 5.60755E-53 | 114.1358 |
| *ALDH6A1* | -1.04218 | 3.700737 | -9.20407 | 1.79919E-18 | 1.20617E-17 | 30.76475 |
| *CX3CR1* | -1.042 | 0.408436 | -7.65108 | 1.44393E-13 | 6.46593E-13 | 19.83959 |
| *CD40LG* | -1.04158 | 0.843666 | -6.32576 | 6.61676E-10 | 2.17703E-09 | 11.59196 |
| *MYH15* | -1.03945 | 0.056862 | -8.03943 | 9.80534E-15 | 4.81447E-14 | 22.43853 |
| *CXCL14* | -1.03882 | 7.297374 | -2.76901 | 0.005878499 | 0.009197547 | -3.9861 |
| *GNAQ* | -1.03869 | 5.006602 | -9.54462 | 1.26243E-19 | 9.25976E-19 | 33.3597 |
| *ZDHHC2* | -1.03825 | 3.272084 | -5.42598 | 9.89035E-08 | 2.65456E-07 | 6.505424 |
| *UGT2B7* | -1.03785 | 1.996238 | -3.76173 | 0.000193377 | 0.00036753 | -0.60954 |
| *ECHDC3* | -1.03632 | 1.979873 | -3.17032 | 0.001637304 | 0.002768791 | -2.59742 |
| *DENND5B* | -1.03534 | 1.601797 | -8.24608 | 2.25652E-15 | 1.1697E-14 | 23.90923 |
| *CSF1* | -1.03518 | 3.765937 | -7.96343 | 1.67216E-14 | 8.04821E-14 | 21.74057 |
| *ZNF471* | -1.03483 | 0.039709 | -7.21174 | 2.69435E-12 | 1.08698E-11 | 16.91427 |
| *FRG1B* | -1.03466 | 3.641077 | -4.98874 | 9.00291E-07 | 2.19776E-06 | 4.341768 |
| *PIK3CD* | -1.03459 | 2.336186 | -7.74616 | 7.53978E-14 | 3.45043E-13 | 20.38265 |
| *TNFSF13* | -1.03423 | 4.4374 | -7.62794 | 1.68976E-13 | 7.50459E-13 | 19.43956 |
| *CYP4B1* | -1.03416 | -0.28443 | -7.06484 | 6.96685E-12 | 2.7132E-11 | 15.92408 |
| *SERINC2* | -1.03388 | 7.743711 | -7.45828 | 5.29681E-13 | 2.26634E-12 | 18.31119 |
| *SCRG1* | -1.03321 | -0.56446 | -7.88753 | 2.83923E-14 | 1.34117E-13 | 21.26249 |
| *CD3D* | -1.03241 | 3.967058 | -5.06776 | 6.10809E-07 | 1.51546E-06 | 4.700206 |
| *ANKRD35* | -1.03209 | 0.449025 | -8.98058 | 9.94965E-18 | 6.34103E-17 | 29.28114 |
| *LGALS3* | -1.03189 | 10.07076 | -7.84396 | 3.84165E-14 | 1.79267E-13 | 20.92544 |
| *C1QTNF3* | -1.03155 | 1.961463 | -6.9714 | 1.26527E-11 | 4.83396E-11 | 15.39356 |
| *ABCA6* | -1.03132 | -0.44897 | -13.9591 | 1.71954E-36 | 4.47416E-35 | 71.99355 |
| *TIAM1* | -1.02862 | 0.779526 | -6.5633 | 1.59689E-10 | 5.55284E-10 | 12.98103 |
| *TM4SF20* | -1.02823 | 2.575161 | -3.1317 | 0.001862872 | 0.003126106 | -2.79395 |
| *LDOC1* | -1.02812 | 2.732196 | -6.84196 | 2.86325E-11 | 1.06247E-10 | 14.50623 |
| *TMEM59* | -1.02733 | 6.712133 | -11.1742 | 1.76153E-25 | 2.03063E-24 | 46.72116 |
| *SLAMF1* | -1.02701 | 1.017203 | -7.2876 | 1.64032E-12 | 6.7305E-12 | 17.46249 |
| *CALD1* | -1.027 | 5.572438 | -4.62797 | 4.965E-06 | 1.12388E-05 | 2.653664 |
| *FOXA1* | -1.02698 | 4.1874 | -4.00784 | 7.28175E-05 | 0.000145831 | 0.1129 |
| *ACSS2* | -1.02644 | 6.525574 | -8.84474 | 2.77649E-17 | 1.70663E-16 | 28.02179 |
| *CTSO* | -1.02602 | 4.589305 | -7.48739 | 4.35964E-13 | 1.87602E-12 | 18.50398 |
| *PRR33* | -1.02593 | 0.105457 | -6.90487 | 1.92803E-11 | 7.25234E-11 | 14.99649 |
| *PCSK6* | -1.02576 | 2.405608 | -8.35 | 1.06755E-15 | 5.69588E-15 | 24.57041 |
| *MAST2* | -1.02567 | 5.183752 | -10.4467 | 8.3988E-23 | 7.80056E-22 | 40.60511 |
| *MAPK3* | -1.02516 | 6.937625 | -9.73543 | 2.77609E-20 | 2.14249E-19 | 34.85705 |
| *KNG1* | -1.0249 | -0.05361 | -5.09873 | 5.23943E-07 | 1.30838E-06 | 5.023771 |
| *BCL2L11* | -1.02363 | 3.609429 | -11.7227 | 1.46297E-27 | 1.95775E-26 | 51.51508 |
| *VAV3* | -1.0234 | 4.83308 | -3.56387 | 0.000408542 | 0.000748201 | -1.52649 |
| *UNC5B* | -1.02321 | 4.12901 | -6.77089 | 4.4613E-11 | 1.62445E-10 | 13.97101 |
| *CLECL1* | -1.02319 | -0.08099 | -7.82127 | 4.49452E-14 | 2.08551E-13 | 20.91306 |
| *BTD* | -1.02311 | 3.831199 | -12.1295 | 3.90024E-29 | 5.92501E-28 | 55.10541 |
| *PECR* | -1.02293 | 3.508778 | -8.54616 | 2.5545E-16 | 1.44023E-15 | 25.88042 |
| *TMEM131* | -1.02218 | 4.339565 | -14.2604 | 9.71345E-38 | 2.72402E-36 | 74.78836 |
| *RRAS2* | -1.02096 | 3.95531 | -6.50122 | 2.32433E-10 | 7.96868E-10 | 12.36162 |
| *THEMIS* | -1.02063 | 0.335243 | -6.32982 | 6.46012E-10 | 2.12954E-09 | 11.59463 |
| *FAM101A* | -1.02036 | 4.925469 | -4.74287 | 2.91553E-06 | 6.76148E-06 | 3.170545 |
| *FCRL3* | -1.02029 | -0.09376 | -6.89362 | 2.06968E-11 | 7.77162E-11 | 14.88485 |
| *PODN* | -1.02007 | 3.228676 | -5.38887 | 1.19988E-07 | 3.19409E-07 | 6.321586 |
| *KCNB1* | -1.01997 | -0.69806 | -11.9393 | 2.13855E-28 | 3.04304E-27 | 53.4219 |
| *PRSS12* | -1.01938 | 2.971492 | -6.63622 | 1.02382E-10 | 3.61827E-10 | 13.23396 |
| *RP11-903H12.5* | -1.01833 | -0.17097 | -5.46945 | 7.87577E-08 | 2.13329E-07 | 6.827415 |
| *MAP1B* | -1.01796 | 1.705758 | -7.15386 | 3.92434E-12 | 1.5617E-11 | 16.56703 |
| *GRAMD4* | -1.01793 | 5.365055 | -9.1879 | 2.03797E-18 | 1.35731E-17 | 30.60482 |
| *CELA3B* | -1.01763 | -0.57034 | -7.10732 | 5.30138E-12 | 2.09047E-11 | 16.11179 |
| *IL2RB* | -1.0171 | 2.983988 | -5.8079 | 1.27209E-08 | 3.73638E-08 | 8.52386 |
| *CYTH4* | -1.0171 | 2.341293 | -7.04208 | 8.06122E-12 | 3.12323E-11 | 15.79469 |
| *STRADB* | -1.0169 | 4.16327 | -9.87941 | 8.74839E-21 | 7.01128E-20 | 36.01793 |
| *CLDN7* | -1.01686 | 8.777857 | -10.356 | 1.78339E-22 | 1.61138E-21 | 39.87707 |
| *GNG11* | -1.01671 | 3.551672 | -7.66321 | 1.32941E-13 | 5.96856E-13 | 19.71184 |
| *CLIC6* | -1.01621 | 1.718482 | -4.94838 | 1.09548E-06 | 2.6507E-06 | 4.355662 |
| *CCNG2* | -1.01477 | 3.891462 | -10.4731 | 6.73795E-23 | 6.30881E-22 | 40.84918 |
| *ZNF528* | -1.01449 | 0.674665 | -5.95447 | 5.62256E-09 | 1.7053E-08 | 9.506129 |
| *MPP5* | -1.01444 | 3.671322 | -13.2599 | 1.24364E-33 | 2.61785E-32 | 65.40123 |
| *SPECC1L* | -1.01421 | 3.630698 | -15.1505 | 1.78811E-41 | 6.41903E-40 | 83.36702 |
| *SELP* | -1.01349 | 1.563256 | -4.96654 | 1.00306E-06 | 2.4366E-06 | 4.454923 |
| *PLEKHG6* | -1.01333 | 5.551681 | -7.33229 | 1.22237E-12 | 5.07212E-12 | 17.48042 |
| *GPR171* | -1.01316 | 1.004279 | -5.80804 | 1.27116E-08 | 3.73427E-08 | 8.712657 |
| *EHD2* | -1.01315 | 5.095235 | -5.45262 | 8.60322E-08 | 2.32342E-07 | 6.571812 |
| *PDE1A* | -1.01299 | 0.91193 | -7.45505 | 5.41227E-13 | 2.31345E-12 | 18.55288 |
| *SCNN1A* | -1.01285 | 6.420795 | -4.72568 | 3.15931E-06 | 7.29264E-06 | 3.087523 |
| *WSCD2* | -1.0127 | -0.59424 | -9.79581 | 1.71261E-20 | 1.34331E-19 | 35.39339 |
| *MPP2* | -1.01174 | 0.37621 | -7.89453 | 2.70444E-14 | 1.2803E-13 | 21.48292 |
| *STPG1* | -1.01134 | 2.109072 | -11.6513 | 2.74811E-27 | 3.61876E-26 | 51.00519 |
| *TAC1* | -1.01024 | 1.055993 | -3.10519 | 0.00203392 | 0.003391761 | -2.72214 |
| *SUN2* | -1.01011 | 5.747262 | -9.44011 | 2.87142E-19 | 2.04546E-18 | 32.54208 |
| *APLP1* | -1.00918 | 0.719839 | -6.78849 | 3.99875E-11 | 1.4628E-10 | 14.33465 |
| *TPSD1* | -1.00848 | 0.985002 | -3.33829 | 0.000920189 | 0.001610237 | -1.98823 |
| *BANK1* | -1.00847 | 0.856324 | -5.94698 | 5.86441E-09 | 1.7746E-08 | 9.466621 |
| *PPARD* | -1.00834 | 5.440072 | -10.0145 | 2.93244E-21 | 2.42196E-20 | 37.08226 |
| *LILRA4* | -1.00817 | -0.28443 | -8.15073 | 4.45883E-15 | 2.25324E-14 | 23.14157 |
| *GSTM2* | -1.00798 | 0.858249 | -8.80617 | 3.70875E-17 | 2.25483E-16 | 27.99122 |
| *SLC9A3R1* | -1.00756 | 7.386701 | -8.57117 | 2.12537E-16 | 1.20299E-15 | 26.01586 |
| *C14orf180* | -1.0073 | -0.8015 | -13.5174 | 1.11725E-34 | 2.52373E-33 | 67.77493 |
| *P2RY2* | -1.00701 | 2.959696 | -6.65479 | 9.13728E-11 | 3.24246E-10 | 13.34825 |
| *CAMK2D* | -1.00698 | 4.599382 | -10.1355 | 1.0947E-21 | 9.34461E-21 | 38.0671 |
| *MT3* | -1.00653 | 0.807732 | -3.24225 | 0.001283078 | 0.002203146 | -2.29501 |
| *SPN* | -1.00595 | 1.909949 | -6.91583 | 1.7991E-11 | 6.78949E-11 | 15.05599 |
| *NTRK2* | -1.00577 | 0.408034 | -3.53897 | 0.0004478 | 0.000815951 | -1.33172 |
| *CTNND2* | -1.00558 | -0.72792 | -21.5417 | 2.43637E-69 | 4.63259E-67 | 147.275 |
| *SMAD7* | -1.00529 | 4.354202 | -8.84594 | 2.75152E-17 | 1.69248E-16 | 28.04528 |
| *ST8SIA4* | -1.00498 | 1.543294 | -7.93557 | 2.03173E-14 | 9.71936E-14 | 21.7538 |
| *ZNF439* | -1.00494 | 1.115732 | -5.78317 | 1.45771E-08 | 4.25557E-08 | 8.576234 |
| *GAREM* | -1.00432 | 2.763134 | -10.217 | 5.61108E-22 | 4.89358E-21 | 38.82574 |
| *DRD5* | -1.00415 | -0.48339 | -4.99985 | 8.52763E-07 | 2.08527E-06 | 4.447689 |
| *SIGLEC10* | -1.00411 | 2.365417 | -6.0943 | 2.54174E-09 | 7.92416E-09 | 10.16473 |
| *LEPR* | -1.00409 | 1.015389 | -7.81283 | 4.76446E-14 | 2.20485E-13 | 20.9393 |
| *PALLD* | -1.00243 | 5.12487 | -6.25643 | 9.94222E-10 | 3.22335E-09 | 10.91494 |
| *ASXL3* | -1.00225 | -0.3987 | -8.84126 | 2.85009E-17 | 1.74876E-16 | 28.10296 |
| *KL* | -1.0012 | 0.150652 | -6.2939 | 7.98177E-10 | 2.60435E-09 | 11.35938 |
| *CTSE* | -1.00109 | 4.002682 | -2.11168 | 0.035320003 | 0.048922672 | -5.54256 |
| *EIF4A1* | 1.000089 | 2.230652 | 7.794701 | 5.39926E-14 | 2.48996E-13 | 20.81191 |
| *FOXRED2* | 1.001419 | 3.787519 | 6.281279 | 8.59572E-10 | 2.79781E-09 | 11.25764 |
| *POLB* | 1.001446 | 3.942453 | 7.675193 | 1.2252E-13 | 5.52505E-13 | 19.92158 |
| *PVR* | 1.001502 | 6.038986 | 10.5457 | 3.67688E-23 | 3.52667E-22 | 41.43545 |
| *DNMT1* | 1.001769 | 5.09661 | 9.59293 | 8.61853E-20 | 6.39753E-19 | 33.79036 |
| *LRRC43* | 1.002635 | 0.255695 | 9.199704 | 1.86077E-18 | 1.24553E-17 | 30.54397 |
| *SND1* | 1.003238 | 7.471978 | 13.08762 | 6.17618E-33 | 1.2326E-31 | 63.7747 |
| *CENPU* | 1.003545 | 4.439094 | 5.652669 | 2.9675E-08 | 8.38998E-08 | 7.731992 |
| *ATP6V1F* | 1.00362 | 8.539804 | 13.32726 | 6.63264E-34 | 1.4186E-32 | 65.99516 |
| *DNAH14* | 1.003701 | 0.443791 | 10.14233 | 1.0348E-21 | 8.84206E-21 | 38.01733 |
| *MSTO1* | 1.004094 | 2.808098 | 10.59827 | 2.36726E-23 | 2.30505E-22 | 42.08692 |
| *TK1* | 1.004106 | 7.157034 | 7.631558 | 1.64877E-13 | 7.33575E-13 | 19.45149 |
| *WDYHV1* | 1.004351 | 4.227797 | 9.193715 | 1.94869E-18 | 1.30085E-17 | 30.78589 |
| *PTPRO* | 1.004886 | 3.79345 | 2.60781 | 0.009445841 | 0.014349551 | -4.1951 |
| *PSORS1C2* | 1.005586 | 0.222739 | 6.838335 | 2.92903E-11 | 1.08548E-10 | 14.19152 |
| *ACD* | 1.005811 | 4.705219 | 10.0808 | 1.71039E-21 | 1.43944E-20 | 37.70215 |
| *FBXL6* | 1.006183 | 5.564422 | 6.67462 | 8.0896E-11 | 2.88488E-10 | 13.39937 |
| *PDCD11* | 1.006186 | 4.987607 | 10.04893 | 2.21733E-21 | 1.84632E-20 | 37.42201 |
| *APOA2* | 1.006633 | 0.135347 | 4.258446 | 2.55618E-05 | 5.3978E-05 | 0.887535 |
| *TMEM241* | 1.006906 | 2.552789 | 9.99306 | 3.49097E-21 | 2.86956E-20 | 37.15031 |
| *PPP2R2C* | 1.008075 | 0.559987 | 5.267659 | 2.23905E-07 | 5.81281E-07 | 5.571724 |
| *PKM* | 1.008164 | 8.847034 | 9.935968 | 5.54249E-21 | 4.48768E-20 | 36.45399 |
| *PBK* | 1.008166 | 4.894299 | 5.364199 | 1.36361E-07 | 3.61436E-07 | 6.204465 |
| *YTHDF1* | 1.008183 | 6.543441 | 11.52582 | 8.27547E-27 | 1.05988E-25 | 49.76125 |
| *MMP14* | 1.008228 | 7.425237 | 5.848504 | 1.01623E-08 | 3.01197E-08 | 8.643989 |
| *MARCKSL1* | 1.008481 | 9.326677 | 11.43215 | 1.87762E-26 | 2.32937E-25 | 48.94893 |
| *CD46* | 1.008807 | 7.410275 | 8.132085 | 5.09082E-15 | 2.56289E-14 | 22.8767 |
| *CCL3L3* | 1.009532 | 1.867509 | 4.164431 | 3.80911E-05 | 7.87349E-05 | 0.945274 |
| *HIST1H4B* | 1.009558 | 0.113909 | 5.032448 | 7.26871E-07 | 1.78956E-06 | 4.299775 |
| *AHSA2* | 1.009712 | 3.34388 | 5.944331 | 5.95222E-09 | 1.79992E-08 | 9.416479 |
| *FGB* | 1.009817 | 0.044669 | 5.698579 | 2.31432E-08 | 6.61567E-08 | 7.624173 |
| *C9orf142* | 1.010811 | 6.49134 | 10.09571 | 1.51454E-21 | 1.28084E-20 | 37.74235 |
| *EPHX3* | 1.011055 | 0.528354 | 8.051781 | 8.98765E-15 | 4.42428E-14 | 22.23762 |
| *RFWD3* | 1.011173 | 4.869216 | 13.29348 | 9.09293E-34 | 1.92812E-32 | 65.74053 |
| *FAM60A* | 1.011327 | 5.736461 | 8.055494 | 8.7553E-15 | 4.31604E-14 | 22.36745 |
| *C1orf233* | 1.012166 | 3.645244 | 4.077668 | 5.46823E-05 | 0.000111157 | 0.596048 |
| *CEP250* | 1.012281 | 3.395442 | 7.063158 | 7.04254E-12 | 2.74144E-11 | 15.99774 |
| *TP53RK* | 1.012299 | 5.086265 | 7.110627 | 5.18945E-12 | 2.0482E-11 | 16.12294 |
| *NOS3* | 1.013563 | 2.99526 | 6.088483 | 2.62783E-09 | 8.17501E-09 | 10.23672 |
| *TXLNG* | 1.013974 | 4.765116 | 8.779587 | 4.52556E-17 | 2.71895E-16 | 27.62465 |
| *SKP2* | 1.014803 | 4.779864 | 7.975478 | 1.53681E-14 | 7.43399E-14 | 21.87561 |
| *FIBCD1* | 1.014972 | 2.352072 | 2.515864 | 0.01225616 | 0.018313328 | -4.34252 |
| *SEMG1* | 1.015318 | 0.303972 | 4.465088 | 1.03666E-05 | 2.27198E-05 | 1.795863 |
| *KIAA0101* | 1.015405 | 4.3814 | 6.024789 | 3.7785E-09 | 1.16189E-08 | 9.746099 |
| *NAP1L1* | 1.015568 | 5.866741 | 9.490189 | 1.93817E-19 | 1.39909E-18 | 32.95098 |
| *ANKRD13D* | 1.015888 | 3.679425 | 8.921322 | 1.55877E-17 | 9.76161E-17 | 28.78969 |
| *LAGE3* | 1.016517 | 6.349205 | 8.227494 | 2.57805E-15 | 1.3292E-14 | 23.55677 |
| *TMEM201* | 1.017331 | 3.667917 | 8.573474 | 2.08957E-16 | 1.1835E-15 | 26.22944 |
| *CDK5RAP1* | 1.018647 | 4.73473 | 10.14335 | 1.02621E-21 | 8.77298E-21 | 38.20644 |
| *REN* | 1.018885 | 1.214055 | 4.116003 | 4.6645E-05 | 9.56165E-05 | 0.60882 |
| *DTD1* | 1.018903 | 5.337786 | 8.20117 | 3.11213E-15 | 1.5927E-14 | 23.40714 |
| *SH3BP4* | 1.019411 | 5.575769 | 8.87141 | 2.27165E-17 | 1.4038E-16 | 28.25143 |
| *NUTF2* | 1.020597 | 6.715714 | 13.86389 | 4.24517E-36 | 1.0692E-34 | 71.02186 |
| *ENO3* | 1.020798 | 1.786949 | 8.422254 | 6.32066E-16 | 3.44352E-15 | 25.12783 |
| *ETS2* | 1.020826 | 8.514574 | 7.497606 | 4.07112E-13 | 1.75536E-12 | 18.56269 |
| *ARHGAP11B* | 1.022533 | 1.598373 | 9.57506 | 9.92696E-20 | 7.32478E-19 | 33.74914 |
| *TM7SF2* | 1.023259 | 4.334673 | 6.509624 | 2.20954E-10 | 7.59167E-10 | 12.52296 |
| *PCDHB9* | 1.023275 | 0.724484 | 7.447791 | 5.68084E-13 | 2.42466E-12 | 18.20234 |
| *UTP20* | 1.023961 | 3.656543 | 9.374402 | 4.79984E-19 | 3.35833E-18 | 32.22872 |
| *CRABP2* | 1.024251 | 3.628085 | 3.346763 | 0.000893241 | 0.001567043 | -2.02518 |
| *WDR35* | 1.025461 | 2.381789 | 7.012152 | 9.76063E-12 | 3.75558E-11 | 15.71612 |
| *ZGRF1* | 1.025549 | 1.18999 | 11.59474 | 4.51943E-27 | 5.87968E-26 | 50.4273 |
| *CORIN* | 1.02639 | 0.101102 | 11.55255 | 6.54613E-27 | 8.44022E-26 | 49.80259 |
| *IL17C* | 1.02705 | 0.085546 | 6.624491 | 1.1E-10 | 3.87642E-10 | 12.86054 |
| *HSPA4L* | 1.027244 | 1.673085 | 5.247421 | 2.48206E-07 | 6.41479E-07 | 5.735245 |
| *ADAMTS6* | 1.028017 | 0.276958 | 13.9176 | 2.55057E-36 | 6.52848E-35 | 71.393 |
| *TGIF1* | 1.028778 | 5.172984 | 10.81798 | 3.71048E-24 | 3.84676E-23 | 43.74705 |
| *POLR1D* | 1.029095 | 6.19104 | 9.097177 | 4.09053E-18 | 2.67088E-17 | 29.92624 |
| *FAM216A* | 1.029096 | 2.471054 | 7.042673 | 8.03063E-12 | 3.11207E-11 | 15.90887 |
| *CCDC138* | 1.029454 | 2.008033 | 9.376782 | 4.71152E-19 | 3.29921E-18 | 32.27261 |
| *KIF20B* | 1.03048 | 3.297139 | 6.899941 | 1.98886E-11 | 7.47626E-11 | 14.98894 |
| *NUP155* | 1.030524 | 4.06742 | 10.54069 | 3.83417E-23 | 3.67142E-22 | 41.52679 |
| *KLRG2* | 1.030642 | 0.115931 | 5.529028 | 5.75011E-08 | 1.57502E-07 | 6.749293 |
| *DLX3* | 1.032001 | 0.405564 | 5.001532 | 8.45776E-07 | 2.06964E-06 | 4.220292 |
| *TREM2* | 1.032044 | 3.574105 | 3.547146 | 0.000434539 | 0.000793126 | -1.34726 |
| *L3MBTL1* | 1.032053 | 1.143373 | 7.499511 | 4.01947E-13 | 1.73472E-12 | 18.6496 |
| *ZNF860* | 1.03239 | 1.142026 | 11.25399 | 8.83757E-26 | 1.04451E-24 | 47.46879 |
| *SPACA3* | 1.032779 | 0.684514 | 4.918558 | 1.26534E-06 | 3.04382E-06 | 3.928736 |
| *EPHB1* | 1.032981 | 1.038782 | 5.416585 | 1.03871E-07 | 2.78002E-07 | 6.435873 |
| *SPRY4* | 1.03316 | 4.813038 | 9.578901 | 9.63008E-20 | 7.12396E-19 | 33.70433 |
| *KIF11* | 1.033256 | 4.751288 | 7.891972 | 2.75295E-14 | 1.30219E-13 | 21.30575 |
| *MRPS23* | 1.033365 | 4.756266 | 10.10229 | 1.43534E-21 | 1.21565E-20 | 37.87362 |
| *C3orf67* | 1.033948 | 0.547292 | 7.636479 | 1.59458E-13 | 7.10374E-13 | 19.40751 |
| *TMEM160* | 1.034494 | 5.534886 | 4.166371 | 3.77816E-05 | 7.81138E-05 | 0.752588 |
| *GRB10* | 1.034562 | 3.57596 | 7.272694 | 1.80893E-12 | 7.39951E-12 | 17.31706 |
| *ADAMTS7* | 1.034854 | 1.81416 | 8.683014 | 9.29543E-17 | 5.43558E-16 | 27.02293 |
| *PAEP* | 1.036223 | -0.0369 | 6.191093 | 1.45471E-09 | 4.63636E-09 | 10.3016 |
| *PCDH17* | 1.036567 | 1.438521 | 10.44327 | 8.64092E-23 | 8.01253E-22 | 40.69224 |
| *THEM6* | 1.036991 | 6.234433 | 7.806685 | 4.97089E-14 | 2.29793E-13 | 20.64258 |
| *C20orf27* | 1.037489 | 6.227656 | 7.574227 | 2.43102E-13 | 1.06734E-12 | 19.08017 |
| *INSIG1* | 1.037698 | 6.266184 | 7.612582 | 1.87533E-13 | 8.29258E-13 | 19.33471 |
| *NCR3LG1* | 1.037826 | 2.774797 | 5.682398 | 2.52671E-08 | 7.18601E-08 | 8.045051 |
| *HOXB13* | 1.038013 | 3.700914 | 2.897466 | 0.003964124 | 0.006349277 | -3.39401 |
| *STK3* | 1.038502 | 2.562095 | 9.098462 | 4.05048E-18 | 2.64673E-17 | 30.17834 |
| *PRAC2* | 1.038662 | 2.282259 | 3.011557 | 0.002760384 | 0.004527721 | -3.00333 |
| *ENOPH1* | 1.038811 | 6.513737 | 14.65857 | 2.11415E-39 | 6.65111E-38 | 78.59113 |
| *DCDC2* | 1.04109 | 0.902286 | 4.894845 | 1.4183E-06 | 3.39665E-06 | 3.878356 |
| *SLC25A32* | 1.041189 | 4.902331 | 9.136778 | 3.01953E-18 | 1.99112E-17 | 30.28995 |
| *EPHA2* | 1.041647 | 6.297339 | 6.858562 | 2.58019E-11 | 9.60315E-11 | 14.49629 |
| *S100A9* | 1.041719 | 6.875902 | 3.858302 | 0.00013262 | 0.00025691 | -0.47241 |
| *SGOL2* | 1.041757 | 2.798681 | 7.386499 | 8.54052E-13 | 3.59204E-12 | 18.1031 |
| *CASC5* | 1.041767 | 2.675536 | 7.455181 | 5.40743E-13 | 2.31195E-12 | 18.55494 |
| *PDP1* | 1.041788 | 4.29653 | 7.970991 | 1.58588E-14 | 7.65854E-14 | 21.89718 |
| *COL3A1* | 1.04195 | 9.110777 | 4.085958 | 5.28398E-05 | 0.000107687 | 0.401094 |
| *NSDHL* | 1.042694 | 6.086645 | 10.31637 | 2.47437E-22 | 2.21147E-21 | 39.54521 |
| *HAUS6* | 1.042798 | 3.231298 | 8.503265 | 3.49912E-16 | 1.95056E-15 | 25.7564 |
| *CEP83* | 1.042801 | 2.632995 | 9.405425 | 3.76702E-19 | 2.65719E-18 | 32.52324 |
| *TFAP2C* | 1.043462 | 1.641741 | 4.878549 | 1.53359E-06 | 3.65557E-06 | 3.968094 |
| *NFXL1* | 1.043752 | 3.570148 | 12.20173 | 2.03755E-29 | 3.16196E-28 | 55.89292 |
| *RANGAP1* | 1.043761 | 6.426246 | 12.05663 | 7.4989E-29 | 1.11664E-27 | 54.43447 |
| *IRAK1* | 1.044157 | 7.589224 | 9.281646 | 9.87509E-19 | 6.77513E-18 | 31.31977 |
| *PSMG1* | 1.044581 | 5.909285 | 7.958639 | 1.72912E-14 | 8.31083E-14 | 21.6917 |
| *MAGOHB* | 1.044697 | 3.453577 | 8.666289 | 1.05239E-16 | 6.12288E-16 | 26.92661 |
| *PRSS1* | 1.044871 | 0.137508 | 5.029037 | 7.39152E-07 | 1.81876E-06 | 4.284573 |
| *HTRA3* | 1.045187 | 5.1669 | 4.35369 | 1.69372E-05 | 3.64281E-05 | 1.541697 |
| *SSC4D* | 1.045585 | 0.766686 | 12.51535 | 1.19028E-30 | 2.04727E-29 | 58.53034 |
| *C22orf29* | 1.04635 | 3.852481 | 9.301138 | 8.48912E-19 | 5.85675E-18 | 31.64933 |
| *THUMPD2* | 1.047187 | 3.269732 | 11.97763 | 1.51982E-28 | 2.18963E-27 | 53.91689 |
| *SYTL1* | 1.04725 | 3.272396 | 4.328819 | 1.88727E-05 | 4.03901E-05 | 1.647248 |
| *NAA25* | 1.049707 | 3.352007 | 11.49739 | 1.06156E-26 | 1.35061E-25 | 49.70215 |
| *DLX4* | 1.049905 | 0.201147 | 11.99544 | 1.29631E-28 | 1.87698E-27 | 53.72093 |
| *MMP9* | 1.050289 | 5.399072 | 3.421989 | 0.000684289 | 0.001216881 | -1.96763 |
| *TRIM72* | 1.050429 | 0.029558 | 5.044015 | 6.8668E-07 | 1.69568E-06 | 4.323865 |
| *ADA* | 1.050442 | 3.604977 | 5.422005 | 1.00975E-07 | 2.70754E-07 | 6.647806 |
| *TEX10* | 1.050461 | 3.972518 | 13.08644 | 6.24433E-33 | 1.24477E-31 | 63.89629 |
| *PDCD5* | 1.050712 | 6.61707 | 11.21172 | 1.27395E-25 | 1.48139E-24 | 47.04692 |
| *RTKN2* | 1.05102 | 1.605377 | 9.246344 | 1.29798E-18 | 8.81783E-18 | 31.2049 |
| *GGCT* | 1.051517 | 6.806445 | 9.043017 | 6.18725E-18 | 3.99918E-17 | 29.50906 |
| *CD276* | 1.051576 | 5.663134 | 10.83002 | 3.35013E-24 | 3.48361E-23 | 43.82448 |
| *TAMM41* | 1.051786 | 2.794454 | 10.83283 | 3.27123E-24 | 3.40362E-23 | 44.0474 |
| *FAM72A* | 1.051922 | 0.594745 | 12.167 | 2.78501E-29 | 4.27967E-28 | 55.351 |
| *RAC3* | 1.052031 | 3.242704 | 4.852461 | 1.73723E-06 | 4.12223E-06 | 3.933331 |
| *KIAA1875* | 1.053262 | 0.179059 | 9.00213 | 8.4472E-18 | 5.4054E-17 | 29.01986 |
| *ADCY3* | 1.054004 | 4.606257 | 8.303732 | 1.49096E-15 | 7.84612E-15 | 24.19579 |
| *MCM6* | 1.054047 | 5.89041 | 11.37667 | 3.04553E-26 | 3.70062E-25 | 48.48081 |
| *ZMYND15* | 1.054454 | 1.898865 | 7.843907 | 3.84301E-14 | 1.79282E-13 | 21.09591 |
| *DUS4L* | 1.054505 | 2.451136 | 9.884105 | 8.42339E-21 | 6.7602E-20 | 36.27812 |
| *TRIM54* | 1.055588 | 0.857775 | 4.312539 | 2.02522E-05 | 4.31877E-05 | 1.311046 |
| *TAS2R38* | 1.056021 | 0.230418 | 9.207916 | 1.74657E-18 | 1.17272E-17 | 30.5837 |
| *MRTO4* | 1.056578 | 6.127413 | 12.42182 | 2.78583E-30 | 4.61274E-29 | 57.71123 |
| *CCDC57* | 1.057336 | 2.777762 | 9.4154 | 3.48434E-19 | 2.46563E-18 | 32.59813 |
| *NPM1* | 1.05779 | 8.957849 | 8.015919 | 1.15701E-14 | 5.66168E-14 | 22.07142 |
| *MYBBP1A* | 1.05808 | 5.383609 | 9.536137 | 1.34982E-19 | 9.87148E-19 | 33.33157 |
| *FSCN1* | 1.059259 | 5.315622 | 4.2431 | 2.72952E-05 | 5.7456E-05 | 1.076856 |
| *SKAP1* | 1.059343 | 3.647292 | 4.393782 | 1.42109E-05 | 3.0771E-05 | 1.882594 |
| *FAM227A* | 1.059518 | 0.162504 | 14.65092 | 2.27606E-39 | 7.13454E-38 | 78.36315 |
| *EXOSC7* | 1.059654 | 4.811786 | 11.64175 | 2.98826E-27 | 3.92008E-26 | 50.84286 |
| *PDIA2* | 1.059718 | 1.122158 | 5.447011 | 8.85976E-08 | 2.39046E-07 | 6.609249 |
| *IPO5* | 1.060963 | 6.366446 | 10.74771 | 6.72667E-24 | 6.8105E-23 | 43.11464 |
| *AGTRAP* | 1.061294 | 5.628494 | 9.875112 | 9.05631E-21 | 7.24463E-20 | 35.99424 |
| *RCBTB1* | 1.062147 | 4.220967 | 8.652993 | 1.16139E-16 | 6.72135E-16 | 26.75518 |
| *RP4-583P15.15* | 1.06222 | 0.582841 | 10.03324 | 2.51913E-21 | 2.08958E-20 | 37.16217 |
| *FAM3B* | 1.06353 | 3.064203 | 2.212528 | 0.027481898 | 0.038779913 | -5.0628 |
| *CENPJ* | 1.063684 | 3.141343 | 7.947275 | 1.87214E-14 | 8.97578E-14 | 21.84338 |
| *CDK2* | 1.063926 | 5.073906 | 13.08036 | 6.60666E-33 | 1.31397E-31 | 63.75979 |
| *RCL1* | 1.064129 | 3.580602 | 11.98898 | 1.37329E-28 | 1.98513E-27 | 54.001 |
| *PRAME* | 1.06663 | 0.680281 | 4.779347 | 2.45662E-06 | 5.74184E-06 | 3.276673 |
| *FADS3* | 1.066714 | 2.842589 | 7.065541 | 6.93565E-12 | 2.70165E-11 | 16.04825 |
| *SPIN4* | 1.066863 | 3.711939 | 7.779728 | 5.986E-14 | 2.75102E-13 | 20.65619 |
| *CYP4F3* | 1.06714 | 3.061159 | 4.416423 | 1.28624E-05 | 2.79297E-05 | 2.026474 |
| *FEN1* | 1.067528 | 6.092733 | 10.58459 | 2.65497E-23 | 2.57361E-22 | 41.75852 |
| *OTUD6B* | 1.067606 | 3.652351 | 6.818089 | 3.32449E-11 | 1.22495E-10 | 14.4574 |
| *PGAM5* | 1.068343 | 6.311202 | 12.08983 | 5.56929E-29 | 8.36645E-28 | 54.73197 |
| *SLC16A4* | 1.068564 | 2.664049 | 5.367293 | 1.34194E-07 | 3.56075E-07 | 6.429987 |
| *CCT3* | 1.068576 | 8.261561 | 16.60695 | 1.04025E-47 | 5.64244E-46 | 97.63472 |
| *DSG4* | 1.068874 | 0.239955 | 11.99922 | 1.25322E-28 | 1.81927E-27 | 53.76409 |
| *PROSER1* | 1.069008 | 5.537559 | 7.796919 | 5.31734E-14 | 2.45415E-13 | 20.6015 |
| *TLCD1* | 1.069217 | 5.058474 | 6.307091 | 7.38603E-10 | 2.41589E-09 | 11.27309 |
| *TERT* | 1.069422 | 0.908518 | 7.459683 | 5.24728E-13 | 2.24653E-12 | 18.32229 |
| *SH2D2A* | 1.069423 | 3.320277 | 7.109016 | 5.24365E-12 | 2.06865E-11 | 16.29737 |
| *PABPC1* | 1.070239 | 10.36335 | 9.873279 | 9.19099E-21 | 7.33541E-20 | 35.96863 |
| *ATAT1* | 1.071265 | 3.553627 | 8.398477 | 7.5131E-16 | 4.06502E-15 | 24.98227 |
| *GTPBP3* | 1.071803 | 4.054201 | 10.52709 | 4.29577E-23 | 4.08405E-22 | 41.41981 |
| *PSMC3IP* | 1.072023 | 2.432662 | 8.932338 | 1.43417E-17 | 9.01398E-17 | 28.92841 |
| *CCNB2* | 1.072501 | 5.6298 | 8.684408 | 9.19975E-17 | 5.38327E-16 | 26.86954 |
| *RCC1* | 1.072867 | 6.125137 | 10.96689 | 1.04446E-24 | 1.13093E-23 | 44.96707 |
| *PCID2* | 1.072955 | 4.905357 | 10.24845 | 4.3318E-22 | 3.8028E-21 | 39.05075 |
| *HIST1H2AH* | 1.073192 | 0.257809 | 5.65862 | 2.87367E-08 | 8.13443E-08 | 7.455901 |
| *LRRC37A3* | 1.073971 | 1.270624 | 8.588997 | 1.86375E-16 | 1.06045E-15 | 26.23011 |
| *CCNB1IP1* | 1.073994 | 5.514905 | 9.57878 | 9.63929E-20 | 7.12772E-19 | 33.65868 |
| *SMYD5* | 1.075053 | 5.312085 | 13.95663 | 1.76043E-36 | 4.56682E-35 | 71.93132 |
| *CCDC64* | 1.075411 | 3.19837 | 7.847237 | 3.75541E-14 | 1.75384E-13 | 21.1563 |
| *TRMT112* | 1.075435 | 7.78488 | 12.72813 | 1.7024E-31 | 3.1007E-30 | 60.4772 |
| *TCTE3* | 1.075585 | 1.604559 | 8.911291 | 1.68151E-17 | 1.05075E-16 | 28.66911 |
| *SPATA25* | 1.075653 | 2.121634 | 5.192417 | 3.27886E-07 | 8.35799E-07 | 5.53715 |
| *AGRN* | 1.075782 | 5.91269 | 7.342061 | 1.14603E-12 | 4.77022E-12 | 17.56475 |
| *AMPD2* | 1.075793 | 4.702333 | 11.75906 | 1.0607E-27 | 1.4361E-26 | 51.88048 |
| *RPN2* | 1.075869 | 9.248468 | 10.95011 | 1.20543E-24 | 1.29712E-23 | 44.81725 |
| *KIF15* | 1.075918 | 3.380147 | 7.614991 | 1.84495E-13 | 8.17074E-13 | 19.57849 |
| *DONSON* | 1.075964 | 3.73361 | 10.11258 | 1.3197E-21 | 1.121E-20 | 38.05784 |
| *CCL3* | 1.076212 | 3.032477 | 4.023997 | 6.81723E-05 | 0.000137209 | 0.442723 |
| *DUSP9* | 1.076248 | 0.034981 | 7.930765 | 2.10095E-14 | 1.00311E-13 | 21.25868 |
| *EEF1E1* | 1.076319 | 4.030851 | 8.198242 | 3.17792E-15 | 1.62493E-14 | 23.51443 |
| *SLC52A2* | 1.077008 | 7.152042 | 8.955652 | 1.20209E-17 | 7.59946E-17 | 28.8501 |
| *PLK3* | 1.078405 | 3.911444 | 8.256267 | 2.09755E-15 | 1.08991E-14 | 23.93608 |
| *NR2C2AP* | 1.078453 | 5.640007 | 12.49309 | 1.45768E-30 | 2.47519E-29 | 58.36949 |
| *EPHA1* | 1.078494 | 4.584388 | 7.09714 | 5.66064E-12 | 2.22605E-11 | 16.0904 |
| *CHSY3* | 1.078779 | 0.81487 | 12.50678 | 1.28685E-30 | 2.2046E-29 | 58.44861 |
| *ATIC* | 1.079194 | 6.886905 | 14.72232 | 1.14197E-39 | 3.65241E-38 | 79.20164 |
| *NHS* | 1.079337 | 1.825428 | 6.505709 | 2.26231E-10 | 7.76837E-10 | 12.56558 |
| *ZHX1-C8orf76* | 1.079581 | 1.155925 | 11.3039 | 5.73345E-26 | 6.87497E-25 | 47.89394 |
| *WFDC3* | 1.079686 | 1.352655 | 6.107968 | 2.35011E-09 | 7.35335E-09 | 10.18772 |
| *TMEM147* | 1.079856 | 7.299918 | 12.47484 | 1.72087E-30 | 2.90216E-29 | 58.17864 |
| *HSPA6* | 1.079924 | 2.228799 | 4.981585 | 9.3225E-07 | 2.2717E-06 | 4.543017 |
| *ARHGEF38* | 1.080163 | 2.230949 | 8.161036 | 4.14355E-15 | 2.10129E-14 | 23.33212 |
| *PPP1R13L* | 1.080419 | 4.564256 | 7.227589 | 2.4298E-12 | 9.83458E-12 | 16.92232 |
| *CCDC150* | 1.08117 | 0.398652 | 13.03467 | 1.00896E-32 | 1.98838E-31 | 63.17414 |
| *HABP2* | 1.081201 | 0.009331 | 5.656318 | 2.90962E-08 | 8.2317E-08 | 7.384547 |
| *PTPN13* | 1.081368 | 2.256796 | 4.450201 | 1.10761E-05 | 2.41951E-05 | 2.171623 |
| *ITGB8* | 1.08184 | 2.144123 | 7.091598 | 5.86623E-12 | 2.30375E-11 | 16.1926 |
| *AP3M2* | 1.082109 | 3.362376 | 9.965804 | 4.35384E-21 | 3.55184E-20 | 36.90493 |
| *PTPLAD1* | 1.082557 | 5.940965 | 11.49861 | 1.05026E-26 | 1.3372E-25 | 49.53692 |
| *AGAP3* | 1.082624 | 4.603213 | 10.50636 | 5.10801E-23 | 4.835E-22 | 41.19546 |
| *RANBP17* | 1.08267 | 0.862346 | 10.41921 | 1.0554E-22 | 9.72912E-22 | 40.37391 |
| *C9orf16* | 1.083106 | 6.952157 | 9.217903 | 1.61702E-18 | 1.09081E-17 | 30.83507 |
| *HSD17B7* | 1.083147 | 3.328536 | 8.715781 | 7.28558E-17 | 4.29514E-16 | 27.3006 |
| *TMEM41A* | 1.084223 | 3.967383 | 12.48224 | 1.60879E-30 | 2.72111E-29 | 58.38641 |
| *PNPT1* | 1.08479 | 4.895566 | 11.4583 | 1.49419E-26 | 1.87076E-25 | 49.24055 |
| *WDR12* | 1.084961 | 4.117343 | 12.0278 | 9.70622E-29 | 1.43055E-27 | 54.30537 |
| *PFDN2* | 1.08529 | 7.863305 | 12.99715 | 1.42807E-32 | 2.77952E-31 | 62.94112 |
| *WDHD1* | 1.085972 | 2.966405 | 8.348137 | 1.08206E-15 | 5.76976E-15 | 24.65953 |
| *ARVCF* | 1.086033 | 3.359971 | 7.162106 | 3.7202E-12 | 1.48456E-11 | 16.63222 |
| *TMEM52* | 1.086112 | 3.304773 | 4.740532 | 2.94756E-06 | 6.83026E-06 | 3.42375 |
| *SETD6* | 1.086521 | 3.338429 | 10.32735 | 2.25964E-22 | 2.03004E-21 | 39.83431 |
| *TPD52L1* | 1.086876 | 3.618171 | 5.205854 | 3.06394E-07 | 7.84251E-07 | 5.575909 |
| *FAM83H* | 1.087495 | 6.774227 | 9.091626 | 4.26807E-18 | 2.78366E-17 | 29.87678 |
| *SLC3A2* | 1.088868 | 6.891302 | 12.52341 | 1.10602E-30 | 1.90802E-29 | 58.62033 |
| *ETV5* | 1.08892 | 3.122616 | 5.202788 | 3.11174E-07 | 7.96251E-07 | 5.59971 |
| *CENPP* | 1.089162 | 1.276964 | 15.31328 | 3.65218E-42 | 1.37378E-40 | 84.97663 |
| *C2CD4D* | 1.089604 | 1.725277 | 7.74812 | 7.43896E-14 | 3.40609E-13 | 20.41336 |
| *PSMG4* | 1.090091 | 2.696486 | 8.31514 | 1.37325E-15 | 7.25318E-15 | 24.43253 |
| *CILP2* | 1.090216 | 0.358187 | 8.136246 | 4.94254E-15 | 2.49041E-14 | 22.75414 |
| *CLPB* | 1.090256 | 3.853286 | 9.106352 | 3.813E-18 | 2.49721E-17 | 30.16938 |
| *HELZ2* | 1.090529 | 4.567604 | 6.695631 | 7.10818E-11 | 2.55066E-10 | 13.6117 |
| *NPRL3* | 1.090569 | 4.635277 | 10.39055 | 1.33897E-22 | 1.22324E-21 | 40.23876 |
| *HMGA2* | 1.090781 | 1.596445 | 6.575035 | 1.48699E-10 | 5.18736E-10 | 12.93011 |
| *HPDL* | 1.09163 | 4.913205 | 4.094543 | 5.09942E-05 | 0.000104149 | 0.520345 |
| *TRIM7* | 1.091714 | 1.099318 | 4.96567 | 1.00731E-06 | 2.44557E-06 | 4.247262 |
| *LY6G6F* | 1.092104 | 0.026144 | 8.455372 | 4.96571E-16 | 2.73636E-15 | 24.94943 |
| *ORC1* | 1.092265 | 3.952787 | 7.085149 | 6.11474E-12 | 2.39591E-11 | 16.0891 |
| *RAD18* | 1.092676 | 3.536512 | 11.09219 | 3.56906E-25 | 4.02577E-24 | 46.20959 |
| *FAM83D* | 1.093428 | 5.473424 | 8.766329 | 4.99713E-17 | 2.99085E-16 | 27.48097 |
| *S100A5* | 1.093557 | 0.886853 | 7.67177 | 1.25413E-13 | 5.64963E-13 | 19.72212 |
| *CLCN5* | 1.093564 | 2.821679 | 7.590314 | 2.18054E-13 | 9.6005E-13 | 19.44447 |
| *FGF20* | 1.094087 | 0.029409 | 5.61693 | 3.59713E-08 | 1.00861E-07 | 7.179282 |
| *UCKL1* | 1.094281 | 5.962684 | 8.611832 | 1.57475E-16 | 9.01352E-16 | 26.32651 |
| *DDX56* | 1.09437 | 6.250901 | 16.81923 | 1.25415E-48 | 7.45724E-47 | 99.74894 |
| *CCSAP* | 1.095088 | 2.634687 | 10.25492 | 4.10734E-22 | 3.61308E-21 | 39.26653 |
| *WNT7B* | 1.095476 | 0.030012 | 7.253884 | 2.04614E-12 | 8.3324E-12 | 16.74458 |
| *C4orf48* | 1.096263 | 5.906653 | 4.259544 | 2.54419E-05 | 5.37444E-05 | 1.114308 |
| *DTYMK* | 1.096714 | 5.92488 | 11.457 | 1.51123E-26 | 1.89073E-25 | 49.17656 |
| *PPP1R35* | 1.097435 | 5.859824 | 9.226468 | 1.51353E-18 | 1.0222E-17 | 30.92041 |
| *RGL3* | 1.097493 | 1.684123 | 4.757117 | 2.7272E-06 | 6.34088E-06 | 3.41688 |
| *LPCAT1* | 1.097494 | 4.883287 | 6.907823 | 1.8924E-11 | 7.12915E-11 | 14.87768 |
| *TBC1D31* | 1.098548 | 2.147365 | 10.23125 | 4.99037E-22 | 4.36323E-21 | 39.05387 |
| *LRP11* | 1.099147 | 5.900594 | 10.60875 | 2.16811E-23 | 2.11829E-22 | 41.96552 |
| *ARFGAP1* | 1.100638 | 5.843089 | 8.840364 | 2.8693E-17 | 1.75993E-16 | 28.01256 |
| *DPCD* | 1.101067 | 5.074578 | 9.456629 | 2.52261E-19 | 1.80143E-18 | 32.73604 |
| *SLCO5A1* | 1.101258 | 0.666675 | 10.07006 | 1.86691E-21 | 1.56507E-20 | 37.46948 |
| *ATXN7L2* | 1.101284 | 2.085854 | 11.29108 | 6.40761E-26 | 7.65683E-25 | 47.91899 |
| *ANKS6* | 1.101653 | 4.025234 | 10.50478 | 5.17585E-23 | 4.89119E-22 | 41.24011 |
| *BRICD5* | 1.101746 | 2.108232 | 7.62907 | 1.67687E-13 | 7.44927E-13 | 19.67365 |
| *MSI2* | 1.101882 | 3.77355 | 10.73135 | 7.7243E-24 | 7.77508E-23 | 43.1463 |
| *NAT10* | 1.101883 | 5.853692 | 13.39976 | 3.36646E-34 | 7.36408E-33 | 66.68691 |
| *SLC25A22* | 1.102088 | 4.837026 | 8.240803 | 2.3436E-15 | 1.21302E-14 | 23.73086 |
| *DNAJC2* | 1.102477 | 4.245491 | 8.675244 | 9.84743E-17 | 5.74478E-16 | 26.91857 |
| *TSEN2* | 1.102531 | 3.246988 | 8.33166 | 1.2189E-15 | 6.46161E-15 | 24.52943 |
| *WDR75* | 1.102591 | 4.89754 | 13.22519 | 1.71899E-33 | 3.57926E-32 | 65.11138 |
| *ABCC1* | 1.102992 | 5.126442 | 9.898991 | 7.47087E-21 | 6.01528E-20 | 36.21508 |
| *ASUN* | 1.10323 | 4.974981 | 10.3074 | 2.66466E-22 | 2.37663E-21 | 39.52857 |
| *NAT9* | 1.103851 | 4.817755 | 10.88015 | 2.18814E-24 | 2.30721E-23 | 44.30187 |
| *NUDT1* | 1.105383 | 5.118196 | 9.874373 | 9.11038E-21 | 7.28115E-20 | 36.01984 |
| *CHD7* | 1.105597 | 3.45909 | 8.641051 | 1.26878E-16 | 7.32275E-16 | 26.74422 |
| *LRRC73* | 1.106243 | 0.923255 | 8.371109 | 9.16296E-16 | 4.91008E-15 | 24.57862 |
| *ARMC2* | 1.106587 | 1.474625 | 9.033537 | 6.65094E-18 | 4.28768E-17 | 29.5552 |
| *ARG2* | 1.106806 | 2.558523 | 5.963397 | 5.34688E-09 | 1.62396E-08 | 9.557533 |
| *FBL* | 1.106833 | 8.424417 | 12.14593 | 3.36581E-29 | 5.1493E-28 | 55.22419 |
| *CTLA4* | 1.106913 | 1.601963 | 7.328331 | 1.2547E-12 | 5.20252E-12 | 17.61122 |
| *LIPM* | 1.107737 | 2.383589 | 5.867883 | 9.12543E-09 | 2.71581E-08 | 9.032167 |
| *H2AFX* | 1.108048 | 7.295116 | 8.945171 | 1.30142E-17 | 8.20045E-17 | 28.77101 |
| *LRRC6* | 1.108194 | 2.602965 | 5.275625 | 2.14988E-07 | 5.5922E-07 | 5.974172 |
| *JSRP1* | 1.108829 | 2.461194 | 4.22903 | 2.89826E-05 | 6.08082E-05 | 1.264621 |
| *DDX10* | 1.108875 | 3.738451 | 10.93024 | 1.42815E-24 | 1.52728E-23 | 44.82181 |
| *SIX2* | 1.10892 | 0.440618 | 5.707857 | 2.20049E-08 | 6.30382E-08 | 7.751329 |
| *TRAPPC5* | 1.109071 | 0.783435 | 6.838779 | 2.9209E-11 | 1.0827E-10 | 14.346 |
| *LSM7* | 1.109915 | 7.292319 | 9.696118 | 3.79851E-20 | 2.89668E-19 | 34.54525 |
| *GRIN2B* | 1.110233 | 0.143868 | 13.01083 | 1.25821E-32 | 2.46276E-31 | 62.8927 |
| *RBBP8NL* | 1.110942 | 4.022044 | 5.268575 | 2.22862E-07 | 5.78746E-07 | 5.839885 |
| *KCNE3* | 1.111643 | 5.67247 | 7.509589 | 3.75666E-13 | 1.62423E-12 | 18.67293 |
| *WDR54* | 1.112284 | 3.615882 | 7.457691 | 5.31757E-13 | 2.27466E-12 | 18.52258 |
| *MB21D1* | 1.112463 | 2.815701 | 5.778732 | 1.49367E-08 | 4.35319E-08 | 8.556229 |
| *HIST1H4D* | 1.113126 | 0.682593 | 5.161048 | 3.83894E-07 | 9.7133E-07 | 5.054842 |
| *KIF21B* | 1.113759 | 3.077714 | 6.608548 | 1.21248E-10 | 4.25635E-10 | 13.23904 |
| *USP31* | 1.114285 | 2.219958 | 13.56128 | 7.39454E-35 | 1.69692E-33 | 68.34595 |
| *SFXN3* | 1.116064 | 5.082925 | 9.682217 | 4.2431E-20 | 3.22434E-19 | 34.49959 |
| *IL6* | 1.116272 | 1.99537 | 4.084696 | 5.31166E-05 | 0.000108203 | 0.633311 |
| *FBXO2* | 1.116312 | 2.475768 | 3.360055 | 0.000852458 | 0.001498536 | -1.91652 |
| *SPAG5* | 1.116361 | 4.449547 | 9.540055 | 1.30874E-19 | 9.58324E-19 | 33.44323 |
| *EXOSC8* | 1.116651 | 4.980249 | 10.26563 | 3.76037E-22 | 3.31629E-21 | 39.18812 |
| *CBX3* | 1.116725 | 7.255356 | 9.322161 | 7.2099E-19 | 4.98613E-18 | 31.63228 |
| *ZNF251* | 1.117211 | 3.441476 | 8.424493 | 6.21854E-16 | 3.39216E-15 | 25.18007 |
| *FAM53A* | 1.11735 | 0.819571 | 10.72508 | 8.14382E-24 | 8.18783E-23 | 42.89898 |
| *TTI1* | 1.117698 | 4.952091 | 10.124 | 1.20215E-21 | 1.02375E-20 | 38.0389 |
| *PF4* | 1.117753 | 2.676474 | 2.914049 | 0.003763613 | 0.006044347 | -3.27899 |
| *EBPL* | 1.1181 | 6.629926 | 10.71561 | 8.82139E-24 | 8.82292E-23 | 42.84301 |
| *CNIH3* | 1.118139 | 0.986238 | 12.46861 | 1.82115E-30 | 3.06234E-29 | 58.13899 |
| *MYO7A* | 1.118159 | 1.786191 | 7.992941 | 1.35969E-14 | 6.59934E-14 | 22.09223 |
| *PNO1* | 1.118453 | 5.322643 | 12.54067 | 9.45078E-31 | 1.64019E-29 | 58.81608 |
| *CCT2* | 1.118676 | 7.428648 | 15.34279 | 2.73688E-42 | 1.04539E-40 | 85.20591 |
| *EIF2S2* | 1.119037 | 7.454766 | 11.65197 | 2.73098E-27 | 3.59895E-26 | 50.85683 |
| *GPR180* | 1.12016 | 3.030194 | 9.691512 | 3.94045E-20 | 3.0036E-19 | 34.74519 |
| *CELSR2* | 1.121447 | 2.426994 | 7.634598 | 1.61508E-13 | 7.19326E-13 | 19.73887 |
| *NCAPD3* | 1.122003 | 4.132853 | 11.27262 | 7.52003E-26 | 8.94289E-25 | 47.70746 |
| *DKK1* | 1.122215 | 0.573846 | 5.192569 | 3.27634E-07 | 8.35404E-07 | 5.169882 |
| *ABCB6* | 1.124662 | 1.730775 | 9.590901 | 8.75801E-20 | 6.49828E-19 | 33.87545 |
| *BRIP1* | 1.124668 | 2.074985 | 9.191871 | 1.97658E-18 | 1.31846E-17 | 30.85335 |
| *ATAD3A* | 1.124932 | 5.515616 | 9.644078 | 5.74581E-20 | 4.3358E-19 | 34.17305 |
| *PCSK4* | 1.12649 | 1.504415 | 7.365563 | 9.81127E-13 | 4.10654E-12 | 17.82825 |
| *TSPO2* | 1.126645 | 0.707132 | 8.350256 | 1.06561E-15 | 5.68757E-15 | 24.37363 |
| *RANBP1* | 1.126669 | 6.104223 | 13.13698 | 3.90573E-33 | 7.87657E-32 | 64.24371 |
| *PHF19* | 1.126782 | 4.609564 | 10.69204 | 1.07615E-23 | 1.06954E-22 | 42.74303 |
| *PPRC1* | 1.126955 | 5.067876 | 12.52558 | 1.08433E-30 | 1.87434E-29 | 58.69496 |
| *MTERF3* | 1.127343 | 5.115118 | 10.07594 | 1.77949E-21 | 1.49541E-20 | 37.63868 |
| *GOLGA8B* | 1.127993 | 1.558034 | 6.884691 | 2.1894E-11 | 8.19629E-11 | 14.79049 |
| *NOL6* | 1.128846 | 5.352369 | 13.39852 | 3.40599E-34 | 7.44113E-33 | 66.69561 |
| *RIN1* | 1.128949 | 3.926464 | 7.353842 | 1.06022E-12 | 4.42473E-12 | 17.81482 |
| *ME1* | 1.129522 | 4.612035 | 5.284519 | 2.05437E-07 | 5.35505E-07 | 5.847995 |
| *KIF9* | 1.129713 | 2.686257 | 9.41147 | 3.59312E-19 | 2.53762E-18 | 32.56958 |
| *C6orf48* | 1.130428 | 7.279575 | 9.5035 | 1.74551E-19 | 1.26582E-18 | 33.03577 |
| *HPN* | 1.131646 | 0.746487 | 4.886641 | 1.47525E-06 | 3.52671E-06 | 3.781747 |
| *MIF* | 1.133281 | 7.228746 | 8.358991 | 1.00034E-15 | 5.35049E-15 | 24.48307 |
| *CCL20* | 1.133597 | 6.352706 | 3.848075 | 0.000138076 | 0.000266613 | -0.50209 |
| *TIGD4* | 1.134114 | 0.708767 | 12.45974 | 1.97404E-30 | 3.30977E-29 | 57.99211 |
| *KNSTRN* | 1.134589 | 4.158426 | 9.045874 | 6.05388E-18 | 3.91443E-17 | 29.68586 |
| *TGDS* | 1.134605 | 4.734225 | 8.801733 | 3.83413E-17 | 2.3286E-16 | 27.80215 |
| *MCM3* | 1.135238 | 7.193833 | 13.26395 | 1.19768E-33 | 2.52418E-32 | 65.40724 |
| *CDH24* | 1.136069 | 3.282309 | 7.230735 | 2.3804E-12 | 9.63914E-12 | 17.0787 |
| *SLC7A1* | 1.136517 | 5.939756 | 9.436546 | 2.95273E-19 | 2.10079E-18 | 32.5356 |
| *STXBP1* | 1.136753 | 4.036114 | 5.418103 | 1.03052E-07 | 2.75896E-07 | 6.587372 |
| *HCAR1* | 1.136863 | 0.286556 | 6.768938 | 4.51582E-11 | 1.64292E-10 | 13.75159 |
| *HEATR1* | 1.137033 | 4.184932 | 11.91074 | 2.75926E-28 | 3.88159E-27 | 53.26649 |
| *ZNF579* | 1.137337 | 3.604544 | 6.905878 | 1.91577E-11 | 7.21248E-11 | 15.00988 |
| *KCP* | 1.13995 | 0.560608 | 10.57216 | 2.94645E-23 | 2.84659E-22 | 41.55056 |
| *ZNF473* | 1.140438 | 2.781075 | 12.89632 | 3.62433E-32 | 6.8914E-31 | 62.20718 |
| *PLK4* | 1.140914 | 3.286657 | 9.23895 | 1.37436E-18 | 9.32208E-18 | 31.22446 |
| *NTMT1* | 1.140971 | 4.959767 | 12.55044 | 8.64528E-31 | 1.50644E-29 | 58.9282 |
| *RHOD* | 1.141115 | 5.055449 | 5.725869 | 1.99487E-08 | 5.74712E-08 | 8.06563 |
| *GINS3* | 1.141397 | 2.840527 | 9.387168 | 4.34461E-19 | 3.04721E-18 | 32.37989 |
| *MCM8* | 1.1414 | 3.209363 | 8.356929 | 1.01538E-15 | 5.42928E-15 | 24.71283 |
| *CXCL9* | 1.142757 | 4.409288 | 3.043732 | 0.002487492 | 0.004105014 | -3.05589 |
| *RACGAP1* | 1.142772 | 5.547604 | 12.24395 | 1.39273E-29 | 2.19506E-28 | 56.13322 |
| *VARS* | 1.143025 | 6.383629 | 13.02028 | 1.15278E-32 | 2.26409E-31 | 63.1627 |
| *SERPINH1* | 1.143807 | 7.075193 | 10.23636 | 4.78483E-22 | 4.18775E-21 | 38.88002 |
| *ZDHHC9* | 1.145251 | 6.453474 | 9.726478 | 2.98184E-20 | 2.29005E-19 | 34.79287 |
| *RDM1* | 1.145791 | 1.397967 | 9.035617 | 6.54635E-18 | 4.2234E-17 | 29.55141 |
| *SUV39H1* | 1.145876 | 4.233037 | 8.957212 | 1.18796E-17 | 7.51565E-17 | 29.01333 |
| *TIMELESS* | 1.146859 | 4.829329 | 11.08253 | 3.87811E-25 | 4.36016E-24 | 46.01978 |
| *ORM2* | 1.147063 | 0.326773 | 7.324961 | 1.2829E-12 | 5.3156E-12 | 17.26421 |
| *CENPK* | 1.148033 | 3.033741 | 6.781957 | 4.16463E-11 | 1.51995E-10 | 14.28755 |
| *GPC2* | 1.148352 | 0.834119 | 11.14193 | 2.32646E-25 | 2.65532E-24 | 46.42494 |
| *SPDL1* | 1.148624 | 3.250203 | 9.474875 | 2.18601E-19 | 1.57013E-18 | 33.04291 |
| *SPON2* | 1.149287 | 5.106239 | 6.450454 | 3.15315E-10 | 1.0702E-09 | 12.10662 |
| *PLOD3* | 1.149438 | 6.818983 | 10.50878 | 5.00559E-23 | 4.74065E-22 | 41.11992 |
| *EME2* | 1.149951 | 2.566688 | 7.34646 | 1.11322E-12 | 4.6381E-12 | 17.84547 |
| *PMFBP1* | 1.149961 | 1.068101 | 8.640206 | 1.27674E-16 | 7.3638E-16 | 26.54735 |
| *TMEM67* | 1.150822 | 1.592987 | 11.52682 | 8.20304E-27 | 1.05139E-25 | 49.88557 |
| *NOLC1* | 1.151235 | 7.092003 | 11.83394 | 5.46225E-28 | 7.51895E-27 | 52.45703 |
| *SMTNL2* | 1.15151 | 0.826907 | 6.416274 | 3.86779E-10 | 1.30076E-09 | 11.80556 |
| *ARHGAP39* | 1.152026 | 3.916827 | 7.923669 | 2.20759E-14 | 1.05113E-13 | 21.6244 |
| *XPNPEP3* | 1.152385 | 2.956263 | 10.99192 | 8.43252E-25 | 9.18237E-24 | 45.38772 |
| *DDX39A* | 1.152549 | 6.553128 | 11.92774 | 2.37161E-28 | 3.36361E-27 | 53.29038 |
| *TBC1D24* | 1.152703 | 2.524549 | 12.54079 | 9.44049E-31 | 1.64005E-29 | 58.97283 |
| *SCLY* | 1.153314 | 0.904398 | 16.18635 | 6.77524E-46 | 3.25644E-44 | 93.47107 |
| *RAB15* | 1.153339 | 5.968403 | 8.053607 | 8.87261E-15 | 4.37138E-14 | 22.35067 |
| *SNRPF* | 1.153781 | 6.123762 | 11.94571 | 2.02052E-28 | 2.87983E-27 | 53.4571 |
| *TDO2* | 1.153979 | 1.40209 | 6.787161 | 4.03188E-11 | 1.47398E-10 | 14.15554 |
| *LRRC8E* | 1.154348 | 0.333581 | 15.78295 | 3.64084E-44 | 1.5671E-42 | 89.38628 |
| *ZC3H8* | 1.154447 | 2.855874 | 10.95604 | 1.14591E-24 | 1.23537E-23 | 45.08616 |
| *PADI3* | 1.15481 | 0.2809 | 5.573858 | 4.53004E-08 | 1.25433E-07 | 6.998253 |
| *EXOSC2* | 1.154886 | 4.666861 | 13.60755 | 4.78396E-35 | 1.10812E-33 | 68.69168 |
| *SLC43A1* | 1.155488 | 4.87285 | 6.731281 | 5.70357E-11 | 2.05945E-10 | 13.80357 |
| *URB1* | 1.155875 | 3.909713 | 11.61474 | 3.79051E-27 | 4.94624E-26 | 50.69177 |
| *CLDN16* | 1.156708 | 0.25473 | 11.38047 | 2.94637E-26 | 3.58516E-25 | 48.32306 |
| *RNF32* | 1.157104 | 1.80864 | 9.814209 | 1.47767E-20 | 1.16431E-19 | 35.64512 |
| *AADAT* | 1.157273 | 2.983598 | 6.239973 | 1.09459E-09 | 3.53288E-09 | 11.09591 |
| *ZNF593* | 1.158044 | 3.193445 | 7.625414 | 1.71901E-13 | 7.62861E-13 | 19.66608 |
| *STAG3L5P-PVRIG2P-PILRB* | 1.158508 | 1.140692 | 10.6372 | 1.70728E-23 | 1.67656E-22 | 42.22623 |
| *CDCA8* | 1.158613 | 5.888429 | 11.17637 | 1.72868E-25 | 1.99409E-24 | 46.76067 |
| *HM13* | 1.158753 | 6.318431 | 11.87118 | 3.92354E-28 | 5.44418E-27 | 52.79394 |
| *LAPTM4B* | 1.158762 | 7.161541 | 5.164138 | 3.77991E-07 | 9.57314E-07 | 5.136403 |
| *GPR84* | 1.160128 | 1.075631 | 8.493507 | 3.75819E-16 | 2.09026E-15 | 25.47828 |
| *WDR74* | 1.160564 | 4.81326 | 11.94618 | 2.01205E-28 | 2.87249E-27 | 53.52831 |
| *GPR19* | 1.160691 | 0.801185 | 13.15497 | 3.30407E-33 | 6.71803E-32 | 64.36793 |
| *TBC1D16* | 1.161072 | 4.491689 | 8.806793 | 3.69144E-17 | 2.2451E-16 | 27.86673 |
| *CHCHD6* | 1.161125 | 4.173027 | 9.270993 | 1.07251E-18 | 7.32921E-18 | 31.39783 |
| *PCNA* | 1.161145 | 8.598225 | 9.431296 | 3.07669E-19 | 2.18539E-18 | 32.47533 |
| *LY6G6E* | 1.161451 | 0.074253 | 8.745891 | 5.82107E-17 | 3.46123E-16 | 27.06913 |
| *CTU2* | 1.162452 | 4.285663 | 10.16877 | 8.33413E-22 | 7.17798E-21 | 38.46883 |
| *SUV39H2* | 1.16272 | 3.68849 | 10.65036 | 1.52856E-23 | 1.50705E-22 | 42.48123 |
| *DBF4* | 1.162971 | 3.870399 | 9.005952 | 8.20518E-18 | 5.2583E-17 | 29.41642 |
| *RAN* | 1.163452 | 8.020562 | 17.00371 | 1.98714E-49 | 1.23238E-47 | 101.5769 |
| *RPS2* | 1.163646 | 11.02659 | 13.59467 | 5.4009E-35 | 1.24769E-33 | 68.51028 |
| *PASK* | 1.164626 | 2.51376 | 10.63009 | 1.81248E-23 | 1.77483E-22 | 42.35266 |
| *ISM2* | 1.165759 | 0.341504 | 6.03517 | 3.56206E-09 | 1.09689E-08 | 9.491247 |
| *VNN1* | 1.166186 | 2.205778 | 3.596056 | 0.000362562 | 0.000668593 | -1.14635 |
| *GTPBP4* | 1.166268 | 5.142553 | 16.84194 | 9.99846E-49 | 5.98628E-47 | 100.0051 |
| *CCNI2* | 1.166489 | 3.830095 | 5.735749 | 1.89016E-08 | 5.45908E-08 | 8.259982 |
| *RRP1* | 1.166932 | 5.135638 | 11.83888 | 5.22757E-28 | 7.21313E-27 | 52.55677 |
| *PLA2G16* | 1.167215 | 4.943906 | 4.974086 | 9.66919E-07 | 2.35113E-06 | 4.319315 |
| *NUSAP1* | 1.167918 | 5.733969 | 8.81141 | 3.56586E-17 | 2.17407E-16 | 27.80493 |
| *DSN1* | 1.168853 | 5.187403 | 10.39699 | 1.26923E-22 | 1.16198E-21 | 40.25231 |
| *F7* | 1.168985 | 0.337698 | 6.303165 | 7.55861E-10 | 2.47094E-09 | 11.00334 |
| *DMKN* | 1.17203 | 2.315007 | 4.215623 | 3.06827E-05 | 6.4173E-05 | 1.197741 |
| *EIF3B* | 1.172284 | 6.873 | 14.47524 | 1.23687E-38 | 3.65215E-37 | 76.83114 |
| *ASF1B* | 1.172803 | 6.045235 | 10.36284 | 1.6846E-22 | 1.52691E-21 | 39.93061 |
| *LRRC20* | 1.172934 | 4.167803 | 10.77871 | 5.17556E-24 | 5.30525E-23 | 43.51409 |
| *TACC3* | 1.173327 | 5.004734 | 10.23818 | 4.71372E-22 | 4.12761E-21 | 38.96651 |
| *DDX55* | 1.17345 | 3.774745 | 12.73419 | 1.61038E-31 | 2.93928E-30 | 60.69077 |
| *IRX3* | 1.173725 | 0.301121 | 7.138472 | 4.3354E-12 | 1.72054E-11 | 16.05069 |
| *RPL8* | 1.173748 | 12.01503 | 9.293442 | 9.01163E-19 | 6.19501E-18 | 31.45035 |
| *KIF24* | 1.174472 | 2.226538 | 11.73226 | 1.34448E-27 | 1.80477E-26 | 51.75714 |
| *TMEM198* | 1.174589 | 2.382336 | 6.352543 | 5.64817E-10 | 1.87438E-09 | 11.73782 |
| *KIAA0020* | 1.1749 | 5.809001 | 12.86316 | 4.92011E-32 | 9.29396E-31 | 61.73444 |
| *FTSJ1* | 1.17524 | 5.760784 | 14.51937 | 8.08964E-39 | 2.43859E-37 | 77.27243 |
| *TKT* | 1.175247 | 7.258858 | 14.16182 | 2.49323E-37 | 6.84767E-36 | 73.84 |
| *C20orf195* | 1.17547 | 0.381332 | 10.05872 | 2.04753E-21 | 1.70904E-20 | 37.28922 |
| *HAUS7* | 1.175605 | 1.531349 | 10.4252 | 1.00414E-22 | 9.27142E-22 | 40.53903 |
| *SNRPB* | 1.175694 | 9.476131 | 10.9606 | 1.1021E-24 | 1.19111E-23 | 44.9074 |
| *SLC22A15* | 1.175895 | 1.549147 | 9.110502 | 3.69368E-18 | 2.42274E-17 | 30.13985 |
| *IGSF23* | 1.175991 | 0.727289 | 6.909084 | 1.8774E-11 | 7.07727E-11 | 14.72604 |
| *MEX3D* | 1.17741 | 5.162142 | 8.466377 | 4.58248E-16 | 2.53244E-15 | 25.31848 |
| *IARS* | 1.178179 | 6.319515 | 14.1784 | 2.12821E-37 | 5.86376E-36 | 74.00569 |
| *ENGASE* | 1.178755 | 5.194838 | 5.819519 | 1.19309E-08 | 3.51566E-08 | 8.556679 |
| *LRFN4* | 1.180257 | 5.439232 | 8.088498 | 6.93408E-15 | 3.45566E-14 | 22.62021 |
| *CHRNA5* | 1.18045 | 2.021338 | 8.659199 | 1.10919E-16 | 6.43604E-16 | 26.86216 |
| *TCOF1* | 1.180847 | 4.672476 | 10.05666 | 2.08217E-21 | 1.73712E-20 | 37.52493 |
| *PPIL1* | 1.181267 | 6.159611 | 12.38624 | 3.84685E-30 | 6.31519E-29 | 57.39231 |
| *SLC9B2* | 1.183889 | 2.257267 | 9.018271 | 7.471E-18 | 4.80203E-17 | 29.55451 |
| *PADI1* | 1.184172 | 0.617747 | 7.698798 | 1.04287E-13 | 4.72746E-13 | 19.81105 |
| *IGF2BP3* | 1.186199 | 0.266982 | 6.827081 | 3.14276E-11 | 1.1617E-10 | 14.09029 |
| *SYT8* | 1.186432 | 0.60978 | 8.397755 | 7.55264E-16 | 4.08513E-15 | 24.66437 |
| *PLS3* | 1.186599 | 5.215869 | 7.977271 | 1.51762E-14 | 7.34733E-14 | 21.86367 |
| *NQO2* | 1.186616 | 3.060303 | 9.257984 | 1.18619E-18 | 8.08058E-18 | 31.38276 |
| *GNL3* | 1.186619 | 6.758434 | 12.5969 | 5.65792E-31 | 9.9897E-30 | 59.28834 |
| *SLC1A5* | 1.18702 | 7.936223 | 10.25385 | 4.14368E-22 | 3.6432E-21 | 39.02008 |
| *BACE2* | 1.187614 | 5.857968 | 7.723579 | 8.80232E-14 | 4.01441E-13 | 20.09546 |
| *FGFR4* | 1.187623 | 6.101239 | 6.42744 | 3.61842E-10 | 1.22117E-09 | 11.91846 |
| *RNF39* | 1.187879 | 2.707399 | 6.151141 | 1.83304E-09 | 5.79095E-09 | 10.5999 |
| *BCL2L12* | 1.188437 | 5.234584 | 11.82057 | 6.15018E-28 | 8.43906E-27 | 52.39045 |
| *GINS2* | 1.188751 | 4.863732 | 8.567174 | 2.18877E-16 | 1.23769E-15 | 26.07523 |
| *ADRA2C* | 1.188981 | 2.117883 | 4.31676 | 1.98856E-05 | 4.2458E-05 | 1.576683 |
| *SHB* | 1.189266 | 4.747921 | 10.77455 | 5.36076E-24 | 5.48859E-23 | 43.42529 |
| *PRKDC* | 1.189719 | 5.677365 | 8.859101 | 2.49221E-17 | 1.53571E-16 | 28.16217 |
| *IFRD2* | 1.189984 | 6.227032 | 12.51361 | 1.20928E-30 | 2.07787E-29 | 58.541 |
| *DDX11* | 1.191166 | 3.557084 | 8.426322 | 6.13631E-16 | 3.34836E-15 | 25.18951 |
| *CALCA* | 1.192776 | 0.268061 | 6.171986 | 1.625E-09 | 5.1601E-09 | 10.23297 |
| *TTLL4* | 1.192944 | 3.860872 | 12.26246 | 1.17852E-29 | 1.87884E-28 | 56.42521 |
| *ZNF367* | 1.192993 | 3.622254 | 8.811609 | 3.56054E-17 | 2.17159E-16 | 27.99164 |
| *CIT* | 1.193611 | 2.97591 | 10.38243 | 1.43214E-22 | 1.30491E-21 | 40.30434 |
| *BRIX1* | 1.194499 | 4.655799 | 8.707633 | 7.74101E-17 | 4.55123E-16 | 27.12182 |
| *FIGNL1* | 1.196274 | 3.565454 | 9.350733 | 5.77248E-19 | 4.01775E-18 | 32.06626 |
| *RIBC2* | 1.196717 | 1.665735 | 7.141758 | 4.24422E-12 | 1.68474E-11 | 16.41246 |
| *NAA10* | 1.196994 | 5.142655 | 9.671473 | 4.62175E-20 | 3.50285E-19 | 34.41659 |
| *GSTP1* | 1.197286 | 9.941458 | 9.234372 | 1.42387E-18 | 9.65031E-18 | 30.97029 |
| *GPSM2* | 1.19847 | 4.585738 | 7.862127 | 3.38712E-14 | 1.58784E-13 | 21.13308 |
| *FCN3* | 1.198772 | 0.921101 | 12.71054 | 2.00026E-31 | 3.63556E-30 | 60.3086 |
| *UBXN11* | 1.199011 | 3.598109 | 8.435355 | 5.74574E-16 | 3.14516E-15 | 25.25246 |
| *AKR1E2* | 1.199368 | 1.703676 | 6.539073 | 1.8494E-10 | 6.40132E-10 | 12.71895 |
| *NOB1* | 1.199403 | 6.969596 | 17.46715 | 1.91475E-51 | 1.33391E-49 | 106.2039 |
| *NEK5* | 1.199503 | 0.710048 | 11.78972 | 8.0852E-28 | 1.10592E-26 | 52.00098 |
| *PRMT1* | 1.199532 | 6.995495 | 11.60994 | 3.95391E-27 | 5.15558E-26 | 50.49223 |
| *PRR22* | 1.199612 | 2.239833 | 6.867527 | 2.43894E-11 | 9.1029E-11 | 14.79148 |
| *DMBX1* | 1.199764 | 0.111681 | 8.746352 | 5.80107E-17 | 3.45172E-16 | 27.07401 |
| *ZNF485* | 1.200585 | 2.571345 | 10.13164 | 1.12937E-21 | 9.63586E-21 | 38.26419 |
| *NOC3L* | 1.200886 | 3.94513 | 10.45062 | 8.12856E-23 | 7.55362E-22 | 40.80776 |
| *CDC7* | 1.20151 | 3.074687 | 7.604428 | 1.98186E-13 | 8.75023E-13 | 19.53215 |
| *RCN1* | 1.201829 | 5.983639 | 9.84169 | 1.18504E-20 | 9.38433E-20 | 35.71915 |
| *BIRC7* | 1.202398 | 0.66174 | 7.99494 | 1.34074E-14 | 6.5092E-14 | 21.83874 |
| *SIGMAR1* | 1.202649 | 7.731388 | 13.1427 | 3.70327E-33 | 7.4857E-32 | 64.28328 |
| *AMBP* | 1.203762 | 1.039475 | 7.035013 | 8.43411E-12 | 3.26113E-11 | 15.59497 |
| *TMEM63A* | 1.204021 | 5.866717 | 9.470954 | 2.25436E-19 | 1.61789E-18 | 32.80751 |
| *LMNB2* | 1.204064 | 6.721551 | 11.43775 | 1.788E-26 | 2.22734E-25 | 48.99643 |
| *ELF5* | 1.204149 | 0.121945 | 5.644706 | 3.09777E-08 | 8.73829E-08 | 7.326006 |
| *VCAN* | 1.204813 | 4.01098 | 4.898803 | 1.39158E-06 | 3.33544E-06 | 4.079598 |
| *MUC6* | 1.206251 | 0.207313 | 5.037883 | 7.07709E-07 | 1.74462E-06 | 4.309861 |
| *MMS22L* | 1.206996 | 1.457142 | 14.38677 | 2.89368E-38 | 8.38683E-37 | 76.05526 |
| *CCBL1* | 1.207395 | 2.246942 | 9.965667 | 4.35868E-21 | 3.55411E-20 | 36.90799 |
| *TMEM161A* | 1.207662 | 5.519326 | 11.72465 | 1.43802E-27 | 1.92734E-26 | 51.53195 |
| *TRPV4* | 1.207756 | 1.144219 | 10.41436 | 1.09882E-22 | 1.01025E-21 | 40.37179 |
| *SBSPON* | 1.207902 | 2.392238 | 3.514514 | 0.000489788 | 0.00088863 | -1.413 |
| *TM4SF1* | 1.207945 | 6.775745 | 7.322751 | 1.30172E-12 | 5.38971E-12 | 17.4239 |
| *SOX12* | 1.208126 | 3.951774 | 6.765612 | 4.61009E-11 | 1.67616E-10 | 14.1206 |
| *LRP5L* | 1.208811 | 2.188359 | 8.415221 | 6.65241E-16 | 3.61857E-15 | 25.11383 |
| *CDCA2* | 1.209504 | 3.078809 | 6.988951 | 1.13162E-11 | 4.33674E-11 | 15.56338 |
| *RELT* | 1.21144 | 2.38077 | 10.23361 | 4.89449E-22 | 4.28156E-21 | 39.08329 |
| *KCTD14* | 1.212068 | 4.390339 | 7.530916 | 3.25512E-13 | 1.41409E-12 | 18.93206 |
| *CIRH1A* | 1.212715 | 5.176335 | 15.27029 | 5.55867E-42 | 2.05956E-40 | 84.54545 |
| *PLXNA3* | 1.213012 | 3.941233 | 7.818945 | 4.56734E-14 | 2.11703E-13 | 20.91109 |
| *SDCCAG3* | 1.21306 | 5.765588 | 15.28538 | 4.79705E-42 | 1.78502E-40 | 84.66837 |
| *IRX2* | 1.213424 | 1.181964 | 4.197739 | 3.30991E-05 | 6.89268E-05 | 0.886145 |
| *NOP16* | 1.214201 | 5.385832 | 13.31654 | 7.33139E-34 | 1.56225E-32 | 65.93566 |
| *C4BPB* | 1.215145 | 2.774592 | 4.793861 | 2.29411E-06 | 5.37508E-06 | 3.691544 |
| *C19orf26* | 1.215712 | 0.397951 | 10.45149 | 8.06939E-23 | 7.50267E-22 | 40.49056 |
| *MC1R* | 1.218094 | 1.18511 | 10.78795 | 4.78579E-24 | 4.92322E-23 | 43.48542 |
| *WBSCR28* | 1.218742 | 0.448964 | 10.8398 | 3.08336E-24 | 3.21781E-23 | 43.74515 |
| *PANO1* | 1.218798 | 0.577885 | 14.48589 | 1.11643E-38 | 3.31349E-37 | 76.8453 |
| *EXOSC4* | 1.220368 | 6.273971 | 9.45894 | 2.47728E-19 | 1.76979E-18 | 32.70199 |
| *CACNA1D* | 1.22039 | 2.196245 | 7.407341 | 7.43693E-13 | 3.13933E-12 | 18.20757 |
| *PDRG1* | 1.220418 | 5.816495 | 10.26613 | 3.74511E-22 | 3.30621E-21 | 39.14812 |
| *NLE1* | 1.22063 | 4.380759 | 10.58534 | 2.63836E-23 | 2.55894E-22 | 41.88461 |
| *NME2* | 1.221156 | 1.416137 | 8.760063 | 5.23666E-17 | 3.12988E-16 | 27.48798 |
| *NUP210* | 1.223417 | 5.237843 | 6.078528 | 2.78186E-09 | 8.63865E-09 | 9.975301 |
| *SIGLEC15* | 1.223447 | 0.820034 | 7.121705 | 4.83148E-12 | 1.91171E-11 | 16.08364 |
| *KLC3* | 1.223864 | 0.150387 | 9.913892 | 6.62447E-21 | 5.34873E-20 | 36.06397 |
| *POLE2* | 1.223932 | 3.145763 | 8.025026 | 1.08521E-14 | 5.31487E-14 | 22.38685 |
| *ATAD3C* | 1.224528 | 1.155198 | 7.125396 | 4.71767E-12 | 1.86711E-11 | 16.1928 |
| *WDR43* | 1.226565 | 5.820151 | 14.39709 | 2.62066E-38 | 7.62106E-37 | 76.10242 |
| *MCM4* | 1.226751 | 6.093563 | 10.45798 | 7.64514E-23 | 7.13505E-22 | 40.71373 |
| *DNTTIP1* | 1.22713 | 6.854954 | 9.21282 | 1.68173E-18 | 1.13137E-17 | 30.79828 |
| *ATAD5* | 1.22718 | 2.090324 | 11.18289 | 1.63413E-25 | 1.89133E-24 | 46.98004 |
| *DDX31* | 1.228317 | 3.688862 | 16.49757 | 3.08826E-47 | 1.6242E-45 | 96.65485 |
| *SPRR2D* | 1.228358 | 0.128764 | 5.88675 | 8.21545E-09 | 2.45555E-08 | 8.618794 |
| *UBTD1* | 1.228802 | 3.911041 | 7.781563 | 5.91084E-14 | 2.71864E-13 | 20.66274 |
| *CCNA2* | 1.229496 | 5.805838 | 9.698135 | 3.73795E-20 | 2.85301E-19 | 34.58956 |
| *TSPEAR* | 1.230265 | 0.33707 | 8.38227 | 8.45082E-16 | 4.55103E-15 | 24.46578 |
| *GLS2* | 1.230368 | 0.374856 | 14.26985 | 8.87521E-38 | 2.5011E-36 | 74.73063 |
| *ADAMTS14* | 1.230703 | 2.400879 | 8.654437 | 1.14903E-16 | 6.65832E-16 | 26.86671 |
| *FAM131C* | 1.231239 | 0.36337 | 10.44183 | 8.74482E-23 | 8.10453E-22 | 40.40051 |
| *CNN2* | 1.231288 | 7.396045 | 13.53037 | 9.88824E-35 | 2.24241E-33 | 67.88743 |
| *SERPINE2* | 1.231554 | 4.688506 | 5.476529 | 7.58773E-08 | 2.05722E-07 | 6.814347 |
| *FAM222A* | 1.232616 | 3.003214 | 5.571405 | 4.58971E-08 | 1.27004E-07 | 7.463549 |
| *CYP39A1* | 1.233386 | 3.187356 | 5.312425 | 1.78069E-07 | 4.66344E-07 | 6.142504 |
| *ZFPM1* | 1.233644 | 2.944252 | 6.734787 | 5.58116E-11 | 2.01736E-10 | 14.00677 |
| *DRD2* | 1.233833 | 0.752721 | 5.665872 | 2.76321E-08 | 7.8303E-08 | 7.598736 |
| *MKI67* | 1.23428 | 5.33221 | 8.172626 | 3.81521E-15 | 1.93932E-14 | 23.21939 |
| *DNAH2* | 1.235365 | 0.380241 | 10.99487 | 8.22232E-25 | 8.95912E-24 | 45.03359 |
| *ALKBH2* | 1.236681 | 4.539079 | 11.07451 | 4.15456E-25 | 4.65887E-24 | 45.98501 |
| *PERP* | 1.236908 | 8.40138 | 10.102 | 1.43873E-21 | 1.21792E-20 | 37.78732 |
| *WDR27* | 1.236925 | 2.114278 | 11.03261 | 5.95187E-25 | 6.57633E-24 | 45.69937 |
| *RFC4* | 1.237283 | 4.672388 | 11.31016 | 5.4301E-26 | 6.53387E-25 | 47.9907 |
| *IER3* | 1.237884 | 8.481118 | 7.284839 | 1.67038E-12 | 6.84895E-12 | 17.17386 |
| *ARHGAP33* | 1.238072 | 2.362919 | 8.545432 | 2.56822E-16 | 1.44702E-15 | 26.07014 |
| *SYNE4* | 1.238562 | 2.80743 | 3.395338 | 0.000752457 | 0.001330448 | -1.79911 |
| *HIST1H4E* | 1.239131 | 1.785699 | 4.63038 | 4.91032E-06 | 1.11252E-05 | 2.840992 |
| *HGH1* | 1.242071 | 5.813415 | 10.4808 | 6.3215E-23 | 5.9285E-22 | 40.91248 |
| *DDX21* | 1.243354 | 6.754727 | 10.9229 | 1.52032E-24 | 1.61983E-23 | 44.58704 |
| *TAF1D* | 1.243835 | 4.738534 | 9.886339 | 8.27311E-21 | 6.64268E-20 | 36.15796 |
| *R3HDML* | 1.245144 | 1.559103 | 5.917316 | 6.92587E-09 | 2.08378E-08 | 9.145209 |
| *POLR1B* | 1.24522 | 4.458761 | 15.84504 | 1.97486E-44 | 8.6073E-43 | 90.19865 |
| *NOD2* | 1.245532 | 1.813786 | 8.443274 | 5.42364E-16 | 2.97827E-15 | 25.25243 |
| *LRRC16B* | 1.245855 | 0.81299 | 12.00326 | 1.20884E-28 | 1.76362E-27 | 53.90963 |
| *DUSP10* | 1.246595 | 3.832734 | 7.922834 | 2.2205E-14 | 1.05669E-13 | 21.63496 |
| *CCT6A* | 1.246722 | 7.907277 | 15.52423 | 4.62929E-43 | 1.85418E-41 | 86.97483 |
| *DTNB* | 1.247316 | 2.33089 | 9.584527 | 9.21096E-20 | 6.82265E-19 | 33.89681 |
| *RTKN* | 1.248062 | 5.659648 | 15.70598 | 7.76586E-44 | 3.24572E-42 | 88.77755 |
| *TEX30* | 1.248215 | 3.587558 | 7.015365 | 9.56248E-12 | 3.68015E-11 | 15.699 |
| *ESPL1* | 1.24863 | 3.327412 | 9.388847 | 4.28803E-19 | 3.00997E-18 | 32.37755 |
| *ZFP69B* | 1.249052 | 1.729269 | 11.63197 | 3.25716E-27 | 4.26637E-26 | 50.80921 |
| *REM2* | 1.251168 | 0.873484 | 12.46102 | 1.95132E-30 | 3.27486E-29 | 58.02381 |
| *TCFL5* | 1.251294 | 4.142048 | 8.191385 | 3.33739E-15 | 1.70445E-14 | 23.47027 |
| *GPR157* | 1.251338 | 3.869107 | 7.78117 | 5.92686E-14 | 2.72529E-13 | 20.66567 |
| *KLHL29* | 1.251441 | 1.83119 | 9.803992 | 1.60388E-20 | 1.25917E-19 | 35.55496 |
| *TNFRSF10B* | 1.252007 | 5.735467 | 9.673414 | 4.55095E-20 | 3.45071E-19 | 34.39843 |
| *PRMT3* | 1.252572 | 3.895991 | 10.16366 | 8.69004E-22 | 7.47089E-21 | 38.47084 |
| *WFDC10B* | 1.25303 | 0.616265 | 8.251548 | 2.16979E-15 | 1.12643E-14 | 23.61406 |
| *C5orf38* | 1.253032 | 0.721884 | 5.620654 | 3.52589E-08 | 9.89754E-08 | 7.347695 |
| *DCAF13* | 1.2541 | 4.532007 | 10.33983 | 2.03806E-22 | 1.83479E-21 | 39.84657 |
| *BTBD19* | 1.256328 | 1.539883 | 12.17599 | 2.56867E-29 | 3.95776E-28 | 55.58452 |
| *RAD51AP1* | 1.256406 | 4.238028 | 8.195615 | 3.2381E-15 | 1.65472E-14 | 23.4909 |
| *UGGT2* | 1.256649 | 3.230461 | 9.514318 | 1.60304E-19 | 1.16838E-18 | 33.35457 |
| *NPIPB5* | 1.25673 | 0.753464 | 9.41348 | 3.53706E-19 | 2.50007E-18 | 32.2747 |
| *SPATA33* | 1.256807 | 2.691155 | 10.71881 | 8.58631E-24 | 8.59774E-23 | 43.09298 |
| *RBM28* | 1.25739 | 3.01142 | 15.12779 | 2.23193E-41 | 7.97916E-40 | 83.26136 |
| *RBL1* | 1.257626 | 3.294966 | 9.198688 | 1.87541E-18 | 1.25484E-17 | 30.92192 |
| *WNT5A* | 1.259773 | 3.129701 | 6.685024 | 7.58803E-11 | 2.71384E-10 | 13.69959 |
| *TARBP1* | 1.260226 | 4.359969 | 10.11583 | 1.28515E-21 | 1.09219E-20 | 38.04076 |
| *GPR4* | 1.262092 | 2.476594 | 10.38122 | 1.44668E-22 | 1.31747E-21 | 40.29197 |
| *CLDN18* | 1.2626 | 0.396241 | 4.130962 | 4.38248E-05 | 9.01236E-05 | 0.381022 |
| *HOXD13* | 1.262913 | 1.492762 | 4.140713 | 4.20746E-05 | 8.66687E-05 | 0.742627 |
| *PPA1* | 1.263619 | 7.679971 | 14.06615 | 6.20985E-37 | 1.66073E-35 | 72.93094 |
| *RCOR2* | 1.264458 | 2.58219 | 6.092416 | 2.56931E-09 | 8.00192E-09 | 10.26684 |
| *ADAMTSL2* | 1.265045 | 2.442339 | 6.474373 | 2.73177E-10 | 9.3212E-10 | 12.44541 |
| *LBX2* | 1.265299 | 0.994569 | 13.40378 | 3.24209E-34 | 7.10099E-33 | 66.69447 |
| *RAE1* | 1.265954 | 5.109385 | 11.38336 | 2.87319E-26 | 3.49858E-25 | 48.58781 |
| *PDF* | 1.266773 | 3.560047 | 6.444051 | 3.27635E-10 | 1.11006E-09 | 12.24541 |
| *UBE3D* | 1.268588 | 1.777896 | 14.35736 | 3.83704E-38 | 1.1047E-36 | 75.80682 |
| *NOP58* | 1.269834 | 6.48153 | 11.78894 | 8.14145E-28 | 1.11273E-26 | 52.0679 |
| *SOX1* | 1.269894 | 0.263802 | 6.126855 | 2.10839E-09 | 6.62731E-09 | 9.96759 |
| *RP11-723O4.6* | 1.26992 | 0.710374 | 10.84645 | 2.91386E-24 | 3.04644E-23 | 43.85859 |
| *HSP90AB1* | 1.271214 | 10.68282 | 13.68634 | 2.27624E-35 | 5.48549E-34 | 69.36492 |
| *PNPLA3* | 1.271695 | 0.381036 | 8.443042 | 5.43282E-16 | 2.98236E-15 | 24.90263 |
| *AURKB* | 1.272219 | 5.422672 | 9.528189 | 1.4371E-19 | 1.04921E-18 | 33.27937 |
| *CDK4* | 1.272671 | 6.800963 | 15.13375 | 2.10596E-41 | 7.54439E-40 | 83.17837 |
| *WISP3* | 1.273576 | 0.387623 | 6.477452 | 2.68171E-10 | 9.1558E-10 | 12.00907 |
| *ODC1* | 1.273577 | 7.979116 | 11.97494 | 1.55667E-28 | 2.24085E-27 | 53.70169 |
| *EPHB4* | 1.275186 | 6.276229 | 12.26195 | 1.18397E-29 | 1.88466E-28 | 56.27455 |
| *GAS2* | 1.275504 | 1.061688 | 9.275471 | 1.03593E-18 | 7.09605E-18 | 31.2746 |
| *CHEK1* | 1.275893 | 3.818741 | 10.73964 | 7.20191E-24 | 7.2704E-23 | 43.22395 |
| *C2orf15* | 1.276347 | 2.867429 | 10.75791 | 6.17105E-24 | 6.26998E-23 | 43.41992 |
| *LY6D* | 1.277978 | 0.286269 | 6.029006 | 3.68907E-09 | 1.13479E-08 | 9.42674 |
| *AC105009.1* | 1.279268 | 0.516664 | 6.135258 | 2.00883E-09 | 6.32607E-09 | 10.06561 |
| *TNFRSF11B* | 1.279309 | 3.573781 | 4.227333 | 2.91927E-05 | 6.12341E-05 | 1.221148 |
| *HAUS5* | 1.279374 | 3.779449 | 11.54139 | 7.21935E-27 | 9.27368E-26 | 50.07086 |
| *XPO5* | 1.279881 | 4.860988 | 14.94943 | 1.26497E-40 | 4.35146E-39 | 81.45708 |
| *C16orf13* | 1.279992 | 6.767761 | 10.80118 | 4.27835E-24 | 4.42488E-23 | 43.56086 |
| *BLM* | 1.280827 | 2.634707 | 10.25841 | 3.99103E-22 | 3.51613E-21 | 39.2927 |
| *CMTM8* | 1.282531 | 5.386657 | 12.99466 | 1.46123E-32 | 2.83767E-31 | 62.96423 |
| *ATP6V1E2* | 1.283683 | 1.783328 | 14.54569 | 6.27833E-39 | 1.92272E-37 | 77.60581 |
| *YDJC* | 1.284064 | 6.196819 | 10.67703 | 1.22123E-23 | 1.20956E-22 | 42.53095 |
| *CFAP45* | 1.28434 | 0.63222 | 13.84267 | 5.19098E-36 | 1.2961E-34 | 70.73053 |
| *PRC1* | 1.284506 | 5.076801 | 10.91545 | 1.62008E-24 | 1.72188E-23 | 44.59211 |
| *P4HA3* | 1.284556 | 1.023105 | 10.98121 | 9.24163E-25 | 1.00319E-23 | 45.06596 |
| *TNFAIP6* | 1.284926 | 2.605856 | 4.857742 | 1.69401E-06 | 4.02353E-06 | 3.980832 |
| *PAICS* | 1.285255 | 6.447082 | 12.70989 | 2.01238E-31 | 3.65375E-30 | 60.32085 |
| *PRR19* | 1.286766 | 1.109604 | 14.74773 | 8.93257E-40 | 2.88898E-38 | 79.45453 |
| *ARHGEF19* | 1.287264 | 3.937515 | 7.855451 | 3.5476E-14 | 1.66083E-13 | 21.16815 |
| *LGR6* | 1.287649 | 3.415521 | 3.558939 | 0.000416053 | 0.000760989 | -1.27131 |
| *LYPD6B* | 1.287689 | 1.628012 | 6.733961 | 5.60976E-11 | 2.02685E-10 | 13.85718 |
| *GPX2* | 1.288346 | 10.27344 | 8.009024 | 1.21447E-14 | 5.92111E-14 | 22.03583 |
| *NANP* | 1.290021 | 3.291906 | 9.765196 | 2.1884E-20 | 1.7049E-19 | 35.32142 |
| *LRRC10B* | 1.290145 | 1.698392 | 6.56236 | 1.60597E-10 | 5.58218E-10 | 12.83767 |
| *ELFN1* | 1.290694 | 1.245279 | 13.09234 | 5.91172E-33 | 1.18255E-31 | 63.85415 |
| *KNTC1* | 1.291025 | 3.091902 | 10.86382 | 2.51418E-24 | 2.63654E-23 | 44.3046 |
| *TRAP1* | 1.291124 | 6.286461 | 14.94355 | 1.33923E-40 | 4.58864E-39 | 81.34355 |
| *ARHGEF39* | 1.291426 | 2.919429 | 9.590292 | 8.80031E-20 | 6.52686E-19 | 33.95766 |
| *PSMA7* | 1.291643 | 9.147716 | 12.21233 | 1.85195E-29 | 2.88428E-28 | 55.8205 |
| *SERPIND1* | 1.291896 | 0.418098 | 7.59256 | 2.14766E-13 | 9.46054E-13 | 19.01303 |
| *ZNF469* | 1.292332 | 1.094528 | 11.00102 | 7.8011E-25 | 8.52961E-24 | 45.24843 |
| *TSTA3* | 1.293085 | 7.260841 | 10.07473 | 1.79717E-21 | 1.5088E-20 | 37.56835 |
| *ZNF74* | 1.294013 | 3.244521 | 11.26421 | 8.08873E-26 | 9.58626E-25 | 47.70448 |
| *GARS* | 1.294132 | 7.052865 | 14.81342 | 4.7301E-40 | 1.56193E-38 | 80.07916 |
| *CDC20* | 1.294258 | 6.865562 | 10.3772 | 1.49568E-22 | 1.36137E-21 | 40.03557 |
| *SLC7A6* | 1.296504 | 3.180798 | 10.0823 | 1.68954E-21 | 1.42259E-20 | 37.85871 |
| *FANCD2* | 1.296591 | 3.322133 | 10.55064 | 3.52804E-23 | 3.38766E-22 | 41.68164 |
| *NBEAL2* | 1.296691 | 5.508133 | 9.326649 | 6.96261E-19 | 4.82089E-18 | 31.71391 |
| *IFITM2* | 1.297531 | 7.729865 | 7.07062 | 6.71315E-12 | 2.6197E-11 | 15.80665 |
| *DHX34* | 1.297948 | 4.374558 | 10.80428 | 4.16733E-24 | 4.31264E-23 | 43.71952 |
| *P3H1* | 1.298221 | 3.700898 | 11.1796 | 1.68123E-25 | 1.94195E-24 | 46.95644 |
| *ULBP1* | 1.299483 | 0.302175 | 12.45468 | 2.0669E-30 | 3.45876E-29 | 57.8203 |
| *BHLHE40* | 1.299612 | 7.075359 | 9.203789 | 1.80306E-18 | 1.2083E-17 | 30.72801 |
| *NPEPL1* | 1.299756 | 2.746587 | 8.612015 | 1.57262E-16 | 9.00432E-16 | 26.56671 |
| *MYCN* | 1.300267 | 1.496352 | 7.076867 | 6.44912E-12 | 2.52236E-11 | 15.9442 |
| *KCNJ11* | 1.300326 | 2.030312 | 8.629593 | 1.38103E-16 | 7.93888E-16 | 26.62773 |
| *MAD2L2* | 1.300975 | 4.555287 | 10.24346 | 4.51357E-22 | 3.95635E-21 | 39.06195 |
| *FZD3* | 1.301989 | 1.81955 | 9.822455 | 1.38305E-20 | 1.09025E-19 | 35.69145 |
| *DLGAP5* | 1.302404 | 4.334091 | 8.642682 | 1.25356E-16 | 7.23733E-16 | 26.691 |
| *ALG1L* | 1.302536 | 2.921707 | 5.338776 | 1.55494E-07 | 4.10265E-07 | 6.285152 |
| *MCM2* | 1.302733 | 5.945073 | 11.82849 | 5.73255E-28 | 7.88476E-27 | 52.43072 |
| *ALPK3* | 1.302813 | 1.834202 | 5.361675 | 1.38153E-07 | 3.6585E-07 | 6.282425 |
| *CYP2S1* | 1.302954 | 7.565299 | 8.316476 | 1.36008E-15 | 7.19238E-15 | 24.17911 |
| *NELFCD* | 1.303854 | 6.160841 | 10.92367 | 1.51043E-24 | 1.61128E-23 | 44.60552 |
| *MRPL17* | 1.303967 | 6.440888 | 17.18713 | 3.17169E-50 | 2.05542E-48 | 103.412 |
| *RTN4RL2* | 1.304437 | 1.069256 | 10.58058 | 2.74587E-23 | 2.65874E-22 | 41.71316 |
| *BTNL9* | 1.304982 | 2.04266 | 6.656637 | 9.03426E-11 | 3.20722E-10 | 13.46552 |
| *ACTR3B* | 1.305694 | 2.568149 | 11.88129 | 3.58623E-28 | 4.98414E-27 | 53.07923 |
| *GALK1* | 1.306249 | 4.956005 | 8.714851 | 7.3362E-17 | 4.31993E-16 | 27.15524 |
| *TRIM59* | 1.306356 | 2.195205 | 12.21793 | 1.76097E-29 | 2.75001E-28 | 56.04152 |
| *SAA1* | 1.307564 | 3.954737 | 2.768178 | 0.005893256 | 0.009216469 | -3.76161 |
| *B9D1* | 1.307815 | 3.102978 | 7.822069 | 4.46979E-14 | 2.07515E-13 | 20.99885 |
| *CDH11* | 1.310504 | 3.293843 | 6.134849 | 2.01356E-09 | 6.33927E-09 | 10.49137 |
| *SLC35E4* | 1.311173 | 3.413416 | 6.563118 | 1.5986E-10 | 5.55769E-10 | 12.95913 |
| *CCDC86* | 1.311182 | 5.90587 | 14.52164 | 7.91463E-39 | 2.39E-37 | 77.29352 |
| *CDR2L* | 1.311259 | 3.919561 | 7.017516 | 9.43209E-12 | 3.63239E-11 | 15.6864 |
| *SPOCD1* | 1.311961 | 0.615798 | 14.47654 | 1.22145E-38 | 3.61279E-37 | 76.74422 |
| *ASNS* | 1.312259 | 5.317465 | 8.489243 | 3.87728E-16 | 2.15442E-15 | 25.48117 |
| *PGF* | 1.312445 | 2.388931 | 8.785258 | 4.33754E-17 | 2.61416E-16 | 27.81879 |
| *MZT1* | 1.312707 | 5.499691 | 8.379353 | 8.63148E-16 | 4.64312E-15 | 24.67864 |
| *SLC25A27* | 1.313538 | 2.212374 | 7.093387 | 5.79907E-12 | 2.27789E-11 | 16.18163 |
| *KIFC1* | 1.313669 | 5.535384 | 11.50068 | 1.03138E-26 | 1.31413E-25 | 49.58037 |
| *RPGRIP1L* | 1.314174 | 1.470781 | 19.83365 | 7.96509E-62 | 1.03624E-59 | 130.0487 |
| *DMRTA2* | 1.314248 | 0.259297 | 6.791928 | 3.91393E-11 | 1.43389E-10 | 13.85979 |
| *POLR1C* | 1.314272 | 5.527764 | 15.25714 | 6.32069E-42 | 2.3369E-40 | 84.40573 |
| *SBK1* | 1.315688 | 1.739302 | 6.291621 | 8.08938E-10 | 2.63747E-09 | 11.26464 |
| *SCX* | 1.315847 | 2.779346 | 6.029685 | 3.67487E-09 | 1.13062E-08 | 9.920939 |
| *HIST1H1B* | 1.316152 | 0.636392 | 6.263756 | 9.5253E-10 | 3.0905E-09 | 10.82713 |
| *PODXL2* | 1.317507 | 6.235896 | 6.917032 | 1.78552E-11 | 6.74273E-11 | 14.86514 |
| *ZNF280C* | 1.318028 | 2.100042 | 12.59445 | 5.78626E-31 | 1.01955E-29 | 59.41876 |
| *LYPD3* | 1.319249 | 1.964541 | 6.813294 | 3.42558E-11 | 1.26059E-10 | 14.39582 |
| *PRRX1* | 1.319721 | 2.409151 | 5.815938 | 1.21692E-08 | 3.58344E-08 | 8.740349 |
| *SPC25* | 1.319844 | 4.307703 | 10.39475 | 1.29307E-22 | 1.18193E-21 | 40.32497 |
| *KDELC1* | 1.320946 | 3.018896 | 10.21523 | 5.69278E-22 | 4.95982E-21 | 38.93981 |
| *IL1B* | 1.321406 | 3.775728 | 4.027281 | 6.72635E-05 | 0.000135489 | 0.413244 |
| *UTP14A* | 1.321424 | 5.080286 | 11.01656 | 6.829E-25 | 7.49285E-24 | 45.4509 |
| *NUFIP1* | 1.321473 | 3.704775 | 9.886983 | 8.23027E-21 | 6.61134E-20 | 36.26589 |
| *STIL* | 1.321732 | 3.378552 | 9.944987 | 5.15271E-21 | 4.1799E-20 | 36.74845 |
| *DEPDC1B* | 1.323549 | 3.7118 | 8.998922 | 8.65571E-18 | 5.53473E-17 | 29.38954 |
| *IGFL1* | 1.325138 | 0.219331 | 6.31332 | 7.12003E-10 | 2.33329E-09 | 11.00989 |
| *CDC25C* | 1.326487 | 3.358255 | 9.61227 | 7.39466E-20 | 5.5246E-19 | 34.11659 |
| *NOX4* | 1.327024 | 0.517711 | 13.35306 | 5.21124E-34 | 1.12431E-32 | 66.09684 |
| *TRMT1* | 1.327047 | 5.521449 | 12.92918 | 2.67638E-32 | 5.11705E-31 | 62.35775 |
| *TRAIP* | 1.327568 | 3.267314 | 10.09046 | 1.58079E-21 | 1.33362E-20 | 37.92276 |
| *SLC12A8* | 1.32782 | 3.706072 | 13.238 | 1.52552E-33 | 3.19178E-32 | 65.32799 |
| *GPR56* | 1.330368 | 6.462706 | 10.06693 | 1.91506E-21 | 1.60311E-20 | 37.51491 |
| *QSOX2* | 1.331257 | 4.547644 | 13.86703 | 4.12082E-36 | 1.03939E-34 | 71.14864 |
| *KIFC3* | 1.331552 | 2.575741 | 8.281122 | 1.75451E-15 | 9.18836E-15 | 24.18442 |
| *C5orf46* | 1.331728 | 0.27672 | 9.233144 | 1.43745E-18 | 9.7347E-18 | 30.74022 |
| *TRPM2* | 1.332718 | 3.537431 | 5.210294 | 2.99598E-07 | 7.67537E-07 | 5.622629 |
| *EXOSC5* | 1.333278 | 6.351001 | 12.79234 | 9.44032E-32 | 1.74515E-30 | 61.07589 |
| *FAM111B* | 1.333617 | 4.090317 | 8.280727 | 1.7595E-15 | 9.2117E-15 | 24.11466 |
| *SLC27A5* | 1.33421 | 1.897555 | 7.589701 | 2.1896E-13 | 9.63792E-13 | 19.33745 |
| *POLD2* | 1.334649 | 7.0481 | 14.64106 | 2.50352E-39 | 7.82666E-38 | 78.42088 |
| *TAF1A* | 1.3349 | 2.734646 | 11.29375 | 6.2614E-26 | 7.48728E-25 | 47.96625 |
| *DBF4B* | 1.334906 | 2.305172 | 12.97073 | 1.82316E-32 | 3.52864E-31 | 62.86963 |
| *MCM7* | 1.336152 | 7.483385 | 13.86336 | 4.26676E-36 | 1.07152E-34 | 71.01415 |
| *CBFB* | 1.336537 | 5.620906 | 13.95306 | 1.82119E-36 | 4.71032E-35 | 71.89417 |
| *NXT1* | 1.337088 | 6.265292 | 10.71483 | 8.87999E-24 | 8.87127E-23 | 42.84645 |
| *IL20RA* | 1.337454 | 4.200466 | 7.868562 | 3.23919E-14 | 1.52262E-13 | 21.23485 |
| *ZNF695* | 1.339424 | 0.843406 | 14.15599 | 2.636E-37 | 7.21688E-36 | 73.73379 |
| *SPC24* | 1.339698 | 4.079778 | 9.073523 | 4.90177E-18 | 3.18495E-17 | 29.92165 |
| *SGOL1* | 1.339917 | 2.700556 | 9.578577 | 9.65476E-20 | 7.13611E-19 | 33.8658 |
| *CENPH* | 1.340002 | 4.425056 | 9.832057 | 1.28041E-20 | 1.0121E-19 | 35.76642 |
| *HMMR* | 1.340307 | 4.406151 | 7.251164 | 2.08288E-12 | 8.48001E-12 | 17.11974 |
| *TNFRSF10C* | 1.341125 | 1.698926 | 9.602282 | 8.00348E-20 | 5.95887E-19 | 33.92493 |
| *SPRR2A* | 1.342479 | 0.288608 | 6.064857 | 3.00783E-09 | 9.32028E-09 | 9.61303 |
| *ERVMER34-1* | 1.34297 | 0.89646 | 8.166491 | 3.98567E-15 | 2.0236E-14 | 23.06671 |
| *RPS21* | 1.343831 | 11.18138 | 9.022739 | 7.22114E-18 | 4.64488E-17 | 29.3803 |
| *CD44* | 1.344048 | 6.736126 | 11.89029 | 3.31026E-28 | 4.62288E-27 | 52.95909 |
| *TH* | 1.344209 | 0.417648 | 9.43772 | 2.9257E-19 | 2.08241E-18 | 32.34865 |
| *PTPRU* | 1.344876 | 2.448278 | 5.069831 | 6.04579E-07 | 1.50151E-06 | 4.957462 |
| *CST6* | 1.345066 | 0.947848 | 6.714929 | 6.31029E-11 | 2.27236E-10 | 13.56989 |
| *BUB1B* | 1.345806 | 4.227368 | 9.709275 | 3.42042E-20 | 2.61758E-19 | 34.81415 |
| *SAMD10* | 1.347259 | 4.270095 | 8.278254 | 1.79107E-15 | 9.36849E-15 | 24.07952 |
| *FAM71E1* | 1.347332 | 2.655227 | 8.361521 | 9.82187E-16 | 5.25503E-15 | 24.75812 |
| *XPOT* | 1.349336 | 5.588694 | 12.78817 | 9.80918E-32 | 1.8114E-30 | 61.06427 |
| *CFB* | 1.349612 | 3.336834 | 6.420312 | 3.77572E-10 | 1.27128E-09 | 12.12519 |
| *ZNF697* | 1.350817 | 2.554315 | 10.92505 | 1.49272E-24 | 1.59337E-23 | 44.81892 |
| *GRINA* | 1.350911 | 8.119893 | 11.74535 | 1.19757E-27 | 1.61383E-26 | 51.67518 |
| *DUSP15* | 1.350981 | 1.027769 | 8.405511 | 7.13889E-16 | 3.87345E-15 | 24.79788 |
| *ADAMTSL5* | 1.351695 | 2.559681 | 8.106785 | 6.09179E-15 | 3.0473E-14 | 22.95504 |
| *BICD1* | 1.3526 | 1.589997 | 15.85976 | 1.70804E-44 | 7.50107E-43 | 90.32438 |
| *WDR77* | 1.352707 | 5.943261 | 12.57014 | 7.22341E-31 | 1.26377E-29 | 59.06517 |
| *SPARC* | 1.354385 | 8.858085 | 6.77277 | 4.40953E-11 | 1.60661E-10 | 13.96245 |
| *PABPC3* | 1.354393 | 1.169598 | 8.872498 | 2.25311E-17 | 1.39284E-16 | 28.24626 |
| *GRM8* | 1.354616 | 2.128375 | 4.373003 | 1.55667E-05 | 3.35891E-05 | 1.78294 |
| *C1orf112* | 1.356443 | 2.55584 | 12.80071 | 8.74169E-32 | 1.62293E-30 | 61.32857 |
| *FAM19A5* | 1.358113 | 2.054316 | 9.008871 | 8.02504E-18 | 5.14668E-17 | 29.43103 |
| *CITED4* | 1.359532 | 4.048483 | 5.021195 | 7.6815E-07 | 1.88609E-06 | 4.667573 |
| *FOXP3* | 1.360801 | 2.144058 | 8.776235 | 4.64046E-17 | 2.78508E-16 | 27.71426 |
| *SKA1* | 1.3629 | 3.476598 | 8.073006 | 7.73686E-15 | 3.83474E-14 | 22.70874 |
| *CENPW* | 1.363309 | 6.363349 | 11.2163 | 1.22448E-25 | 1.42771E-24 | 47.09471 |
| *TTC9* | 1.363785 | 2.405182 | 6.840389 | 2.89159E-11 | 1.07229E-10 | 14.62776 |
| *KIF12* | 1.363866 | 4.789364 | 5.146172 | 4.13595E-07 | 1.04352E-06 | 5.176458 |
| *RPP40* | 1.364304 | 3.839627 | 10.19767 | 6.57574E-22 | 5.70048E-21 | 38.75942 |
| *CMTM7* | 1.364368 | 4.044635 | 8.393596 | 7.78412E-16 | 4.20639E-15 | 24.92581 |
| *PRDX4* | 1.365075 | 7.804172 | 13.15414 | 3.3298E-33 | 6.76238E-32 | 64.38915 |
| *TTK* | 1.365523 | 3.814731 | 9.083117 | 4.55512E-18 | 2.96417E-17 | 30.01817 |
| *GOLT1A* | 1.365757 | 4.980102 | 7.561515 | 2.64882E-13 | 1.15826E-12 | 19.08246 |
| *NPC1L1* | 1.365939 | 0.638496 | 6.578794 | 1.45339E-10 | 5.07529E-10 | 12.65689 |
| *EN2* | 1.367202 | 0.273298 | 7.029827 | 8.71855E-12 | 3.36659E-11 | 15.33027 |
| *ECE2* | 1.370097 | 3.315217 | 8.799288 | 3.905E-17 | 2.36418E-16 | 27.93001 |
| *COL5A3* | 1.370264 | 3.022782 | 7.207973 | 2.76133E-12 | 1.11296E-11 | 16.95137 |
| *TONSL* | 1.370774 | 4.083505 | 8.898803 | 1.84777E-17 | 1.15049E-16 | 28.61224 |
| *CDKN3* | 1.371039 | 5.035276 | 9.405939 | 3.75193E-19 | 2.64762E-18 | 32.36739 |
| *PHGDH* | 1.371265 | 4.580133 | 4.407552 | 1.33755E-05 | 2.89947E-05 | 1.860891 |
| *PHKA1* | 1.371425 | 3.080962 | 7.289696 | 1.61795E-12 | 6.64343E-12 | 17.4747 |
| *SERPINF2* | 1.371862 | 2.800735 | 5.779332 | 1.48875E-08 | 4.33959E-08 | 8.55969 |
| *FERMT1* | 1.37266 | 7.242064 | 8.386626 | 8.188E-16 | 4.41087E-15 | 24.68218 |
| *TNFSF11* | 1.373437 | 1.854895 | 7.750539 | 7.31642E-14 | 3.35265E-13 | 20.40468 |
| *WNT11* | 1.373952 | 3.653091 | 3.218416 | 0.001391711 | 0.002377408 | -2.4071 |
| *SLC29A1* | 1.374592 | 6.482204 | 11.72429 | 1.4427E-27 | 1.93212E-26 | 51.50141 |
| *THY1* | 1.374622 | 5.427887 | 7.237591 | 2.27616E-12 | 9.23E-12 | 16.93075 |
| *CAPN12* | 1.374946 | 1.549132 | 8.633581 | 1.34089E-16 | 7.72352E-16 | 26.55807 |
| *NCAPG* | 1.376245 | 3.885516 | 9.488823 | 1.95908E-19 | 1.41301E-18 | 33.12173 |
| *CTSV* | 1.376651 | 3.080174 | 5.648962 | 3.02747E-08 | 8.54836E-08 | 7.867798 |
| *NEIL3* | 1.377052 | 2.319993 | 10.43171 | 9.5128E-23 | 8.79743E-22 | 40.68455 |
| *HSPD1* | 1.377459 | 8.929203 | 12.37871 | 4.11865E-30 | 6.74219E-29 | 57.31283 |
| *BAMBI* | 1.378614 | 4.309751 | 4.559971 | 6.76918E-06 | 1.51327E-05 | 2.546163 |
| *JADE3* | 1.379624 | 3.766798 | 10.6562 | 1.45521E-23 | 1.43719E-22 | 42.53725 |
| *PAH* | 1.380694 | 0.328804 | 8.260777 | 2.03072E-15 | 1.05709E-14 | 23.5757 |
| *KPNA2* | 1.380964 | 7.070228 | 14.43856 | 1.75975E-38 | 5.16085E-37 | 76.48024 |
| *TXNRD3* | 1.382534 | 2.858836 | 12.65783 | 3.24165E-31 | 5.80044E-30 | 60.03319 |
| *RRS1* | 1.38319 | 6.380992 | 12.48284 | 1.6001E-30 | 2.70905E-29 | 58.26315 |
| *DTL* | 1.383773 | 3.906371 | 10.21098 | 5.89502E-22 | 5.12828E-21 | 38.86318 |
| *COL1A2* | 1.384141 | 8.273604 | 5.490702 | 7.04191E-08 | 1.91462E-07 | 6.762209 |
| *CDC25A* | 1.38449 | 4.018584 | 9.729485 | 2.91113E-20 | 2.23872E-19 | 34.99634 |
| *SLC12A2* | 1.384986 | 7.149054 | 8.289599 | 1.6507E-15 | 8.66043E-15 | 23.99122 |
| *FSTL3* | 1.385397 | 4.313182 | 6.185764 | 1.50036E-09 | 4.77395E-09 | 10.69275 |
| *AMELX* | 1.386795 | 0.286467 | 9.203285 | 1.81009E-18 | 1.21255E-17 | 30.51496 |
| *PLXNA1* | 1.387431 | 4.558858 | 11.90767 | 2.83575E-28 | 3.98594E-27 | 53.22607 |
| *PTTG1* | 1.387442 | 5.999749 | 11.15154 | 2.14141E-25 | 2.4522E-24 | 46.55167 |
| *PARPBP* | 1.388077 | 3.302809 | 8.781577 | 4.45868E-17 | 2.68343E-16 | 27.7994 |
| *SLC25A29* | 1.388104 | 3.486208 | 8.895311 | 1.8971E-17 | 1.17908E-16 | 28.63426 |
| *URB2* | 1.388788 | 3.806583 | 14.84562 | 3.46259E-40 | 1.1544E-38 | 80.5211 |
| *TSACC* | 1.38964 | 0.933187 | 14.51027 | 8.82993E-39 | 2.64791E-37 | 77.12693 |
| *GNG4* | 1.390041 | 3.238591 | 2.817096 | 0.005080845 | 0.008016217 | -3.56259 |
| *PPM1N* | 1.390042 | 1.475424 | 11.07193 | 4.24773E-25 | 4.76026E-24 | 45.91183 |
| *CTPS1* | 1.390122 | 4.716728 | 13.50815 | 1.21835E-34 | 2.74138E-33 | 67.77412 |
| *FAM57A* | 1.390308 | 5.418319 | 10.41876 | 1.05941E-22 | 9.76086E-22 | 40.42954 |
| *WT1* | 1.390654 | 0.390065 | 8.721678 | 6.97259E-17 | 4.11904E-16 | 26.91495 |
| *MORC4* | 1.391179 | 4.220823 | 8.47063 | 4.44234E-16 | 2.45656E-15 | 25.46314 |
| *PSPH* | 1.392386 | 4.866146 | 10.02314 | 2.7346E-21 | 2.26396E-20 | 37.25473 |
| *CDCA4* | 1.392682 | 5.092841 | 11.56511 | 5.86288E-27 | 7.58754E-26 | 50.17573 |
| *DDIT4* | 1.39298 | 6.867677 | 8.485916 | 3.97278E-16 | 2.20606E-15 | 25.39973 |
| *LTB4R* | 1.394011 | 2.294248 | 8.86857 | 2.32075E-17 | 1.43312E-16 | 28.41234 |
| *GLYATL1* | 1.394097 | 0.566555 | 10.30648 | 2.68485E-22 | 2.39341E-21 | 39.30848 |
| *EZH2* | 1.39442 | 4.671576 | 12.98283 | 1.63031E-32 | 3.16248E-31 | 62.91286 |
| *ZSWIM4* | 1.396181 | 3.659969 | 11.2181 | 1.20553E-25 | 1.40656E-24 | 47.29348 |
| *LAIR2* | 1.39696 | 0.773372 | 8.922319 | 1.54706E-17 | 9.69886E-17 | 28.50573 |
| *BRCA1* | 1.397003 | 3.282195 | 10.94756 | 1.23193E-24 | 1.32398E-23 | 45.00777 |
| *C14orf79* | 1.397574 | 2.736319 | 11.83618 | 5.35427E-28 | 7.38207E-27 | 52.68377 |
| *RASL10B* | 1.399067 | 1.0769 | 8.460932 | 4.76827E-16 | 2.63091E-15 | 25.19135 |
| *SLAMF9* | 1.39953 | 0.47935 | 10.36223 | 1.69315E-22 | 1.53386E-21 | 39.7389 |
| *IPO4* | 1.399587 | 2.200678 | 12.05066 | 7.91043E-29 | 1.1759E-27 | 54.54024 |
| *RUNX1* | 1.402388 | 3.885099 | 11.02625 | 6.28529E-25 | 6.92262E-24 | 45.64276 |
| *ANGPT2* | 1.402762 | 1.89293 | 14.53819 | 6.74886E-39 | 2.05229E-37 | 77.5337 |
| *PRKCG* | 1.404727 | 0.600644 | 8.08821 | 6.94819E-15 | 3.46169E-14 | 22.41962 |
| *PACSIN3* | 1.404734 | 4.109613 | 5.322667 | 1.6894E-07 | 4.43644E-07 | 6.127185 |
| *IFI6* | 1.404962 | 8.089487 | 5.419869 | 1.02107E-07 | 2.73534E-07 | 6.401557 |
| *REEP6* | 1.405303 | 4.610664 | 5.88828 | 8.14567E-09 | 2.43722E-08 | 9.01016 |
| *HSPH1* | 1.405491 | 6.043708 | 7.974624 | 1.54603E-14 | 7.47442E-14 | 21.80906 |
| *TSPAN5* | 1.40623 | 3.349995 | 8.036495 | 1.00102E-14 | 4.91365E-14 | 22.46337 |
| *CACNG4* | 1.406342 | 0.857662 | 6.201062 | 1.37292E-09 | 4.38945E-09 | 10.51309 |
| *PCNXL2* | 1.407527 | 1.958165 | 14.83859 | 3.70646E-40 | 1.23333E-38 | 80.42423 |
| *ZBTB12* | 1.4076 | 3.905244 | 8.68496 | 9.16206E-17 | 5.36484E-16 | 27.05181 |
| *LYAR* | 1.408762 | 5.35169 | 12.86975 | 4.63013E-32 | 8.76534E-31 | 61.82675 |
| *KCNN4* | 1.409287 | 6.292203 | 6.096979 | 2.503E-09 | 7.81052E-09 | 10.02961 |
| *FAM92A1* | 1.4093 | 2.788379 | 8.161055 | 4.143E-15 | 2.10129E-14 | 23.34272 |
| *KIAA0895* | 1.409724 | 1.730623 | 11.55914 | 6.17813E-27 | 7.97168E-26 | 50.14929 |
| *RHCG* | 1.410209 | 1.037266 | 7.72059 | 8.98436E-14 | 4.09204E-13 | 20.01622 |
| *RUVBL1* | 1.410982 | 5.057866 | 16.76154 | 2.22968E-48 | 1.27749E-46 | 99.22034 |
| *CENPE* | 1.411162 | 2.454922 | 9.605242 | 7.81805E-20 | 5.82583E-19 | 34.05743 |
| *C10orf35* | 1.412509 | 4.16406 | 9.26296 | 1.14135E-18 | 7.79048E-18 | 31.3591 |
| *NKRF* | 1.412646 | 3.809204 | 12.59645 | 5.68157E-31 | 1.00212E-29 | 59.44934 |
| *CLSPN* | 1.412859 | 2.310655 | 10.44554 | 8.47962E-23 | 7.8714E-22 | 40.79398 |
| *NUDCD1* | 1.416189 | 4.594475 | 10.78415 | 4.94248E-24 | 5.07837E-23 | 43.53997 |
| *COL5A1* | 1.416472 | 5.73664 | 6.315987 | 7.00907E-10 | 2.30042E-09 | 11.29765 |
| *EPYC* | 1.416574 | 0.379885 | 7.816368 | 4.64938E-14 | 2.15333E-13 | 20.48498 |
| *NPM2* | 1.416592 | 1.706835 | 8.749221 | 5.67818E-17 | 3.38442E-16 | 27.42795 |
| *VENTX* | 1.416768 | 0.96205 | 6.815685 | 3.37479E-11 | 1.24242E-10 | 14.1703 |
| *NCAPH* | 1.417987 | 4.641264 | 12.24227 | 1.41397E-29 | 2.22619E-28 | 56.19871 |
| *PILRB* | 1.418168 | 1.764876 | 8.451953 | 5.09108E-16 | 2.80098E-15 | 25.27206 |
| *CCL24* | 1.419282 | 6.784842 | 4.590506 | 5.89232E-06 | 1.32512E-05 | 2.497759 |
| *ITGA2* | 1.419488 | 5.099011 | 9.879501 | 8.74172E-21 | 7.00918E-20 | 36.08472 |
| *F12* | 1.4196 | 4.389332 | 7.045523 | 7.8854E-12 | 3.0599E-11 | 15.8237 |
| *PAX9* | 1.420163 | 0.523329 | 11.36589 | 3.34505E-26 | 4.05318E-25 | 48.21499 |
| *RHBDL1* | 1.420267 | 2.841467 | 6.119545 | 2.19891E-09 | 6.89646E-09 | 10.4199 |
| *CENPN* | 1.422035 | 4.030557 | 11.43232 | 1.87487E-26 | 2.32885E-25 | 49.11543 |
| *FOXM1* | 1.422182 | 5.269491 | 10.74854 | 6.6801E-24 | 6.76731E-23 | 43.18206 |
| *HYAL3* | 1.42275 | 3.02066 | 9.070134 | 5.0304E-18 | 3.2673E-17 | 29.96147 |
| *FCHO1* | 1.425117 | 3.083353 | 6.555938 | 1.66978E-10 | 5.8028E-10 | 12.93457 |
| *NOP56* | 1.426809 | 6.538127 | 13.24966 | 1.36848E-33 | 2.87364E-32 | 65.28339 |
| *PSRC1* | 1.429539 | 3.90145 | 10.50547 | 5.14586E-23 | 4.86817E-22 | 41.28127 |
| *SORD* | 1.429936 | 4.739611 | 10.80442 | 4.16251E-24 | 4.31023E-23 | 43.69811 |
| *SLC9A7* | 1.430214 | 1.899929 | 9.16158 | 2.49563E-18 | 1.65258E-17 | 30.54856 |
| *ITGBL1* | 1.431528 | 0.931596 | 9.256423 | 1.20061E-18 | 8.17237E-18 | 31.05743 |
| *DHRS2* | 1.431689 | 0.438347 | 11.20635 | 1.33447E-25 | 1.55073E-24 | 46.81911 |
| *GPR143* | 1.432172 | 2.608858 | 4.084117 | 5.32438E-05 | 0.000108414 | 0.67628 |
| *FAM64A* | 1.432387 | 3.735814 | 8.807997 | 3.65828E-17 | 2.2265E-16 | 27.97301 |
| *ZIC5* | 1.432811 | 0.332988 | 7.21097 | 2.70793E-12 | 1.0922E-11 | 16.47963 |
| *TBC1D30* | 1.433434 | 2.628162 | 12.00249 | 1.21713E-28 | 1.77422E-27 | 54.14792 |
| *SHMT2* | 1.434719 | 6.864471 | 13.63799 | 3.5915E-35 | 8.40917E-34 | 68.89964 |
| *E2F5* | 1.435534 | 3.238326 | 9.786578 | 1.84411E-20 | 1.44318E-19 | 35.49685 |
| *TIGD1* | 1.436242 | 2.581883 | 10.79712 | 4.42835E-24 | 4.57182E-23 | 43.73844 |
| *NCAPG2* | 1.43727 | 4.256581 | 13.42586 | 2.63635E-34 | 5.81847E-33 | 67.04404 |
| *FADS2* | 1.438166 | 3.209974 | 4.830394 | 1.92963E-06 | 4.55938E-06 | 3.850041 |
| *AEN* | 1.438929 | 4.601936 | 12.02161 | 1.02587E-28 | 1.50685E-27 | 54.23606 |
| *LIPG* | 1.439496 | 3.130366 | 8.866942 | 2.34938E-17 | 1.45028E-16 | 28.43834 |
| *ATAD3B* | 1.43967 | 3.614226 | 9.006083 | 8.19701E-18 | 5.25501E-17 | 29.45748 |
| *POLQ* | 1.440697 | 2.022523 | 12.90133 | 3.46079E-32 | 6.58769E-31 | 62.19211 |
| *ZMYND19* | 1.442884 | 5.237058 | 15.94378 | 7.45647E-45 | 3.4042E-43 | 91.13543 |
| *MMP13* | 1.443223 | 0.459737 | 8.897477 | 1.86635E-17 | 1.16038E-16 | 28.21924 |
| *PRR11* | 1.444077 | 4.200773 | 11.11924 | 2.82824E-25 | 3.20269E-24 | 46.41335 |
| *CLDN14* | 1.445288 | 0.609031 | 9.957313 | 4.66366E-21 | 3.79386E-20 | 36.47716 |
| *RPS6KL1* | 1.446915 | 2.17412 | 12.09495 | 5.31952E-29 | 8.00379E-28 | 54.92391 |
| *GRB7* | 1.447938 | 5.434833 | 8.873657 | 2.23352E-17 | 1.38172E-16 | 28.29935 |
| *MPP3* | 1.450156 | 1.492685 | 14.03133 | 8.6516E-37 | 2.28547E-35 | 72.6499 |
| *B4GALNT4* | 1.450434 | 2.04642 | 4.518578 | 8.15983E-06 | 1.81035E-05 | 2.367157 |
| *KIAA1524* | 1.451117 | 3.096893 | 10.40948 | 1.14431E-22 | 1.05095E-21 | 40.52739 |
| *GINS4* | 1.453986 | 2.525214 | 10.32637 | 2.27802E-22 | 2.04337E-21 | 39.83349 |
| *FADS1* | 1.454143 | 2.70627 | 6.888359 | 2.13943E-11 | 8.02311E-11 | 14.94231 |
| *GSG2* | 1.454518 | 2.68058 | 10.49865 | 5.44753E-23 | 5.13671E-22 | 41.2587 |
| *TRAF5* | 1.454804 | 4.196021 | 8.987553 | 9.43676E-18 | 6.02081E-17 | 29.27218 |
| *AQP5* | 1.455244 | 0.624174 | 5.692063 | 2.39768E-08 | 6.84266E-08 | 7.642486 |
| *MST1* | 1.455738 | 1.730476 | 9.971082 | 4.17169E-21 | 3.40967E-20 | 36.83532 |
| *SPRR1B* | 1.455841 | 0.404284 | 5.958585 | 5.49373E-09 | 1.66768E-08 | 9.030391 |
| *C2* | 1.457097 | 4.734609 | 6.832779 | 3.03269E-11 | 1.12221E-10 | 14.466 |
| *RRP9* | 1.457372 | 6.562998 | 16.24978 | 3.614E-46 | 1.75655E-44 | 94.10848 |
| *CCL26* | 1.458035 | 1.48189 | 7.873035 | 3.14017E-14 | 1.47688E-13 | 21.14758 |
| *METTL1* | 1.458095 | 4.799683 | 14.77816 | 6.65421E-40 | 2.17652E-38 | 79.82063 |
| *TMPRSS5* | 1.458486 | 0.735164 | 8.956027 | 1.19867E-17 | 7.58063E-17 | 28.72949 |
| *CKAP2* | 1.460645 | 5.201859 | 11.41232 | 2.23232E-26 | 2.74532E-25 | 48.84471 |
| *SRM* | 1.462339 | 7.162038 | 13.16898 | 2.90074E-33 | 5.9328E-32 | 64.52969 |
| *MPP6* | 1.464542 | 1.673916 | 11.12777 | 2.62809E-25 | 2.98581E-24 | 46.40999 |
| *CTU1* | 1.465182 | 3.353567 | 6.790026 | 3.96057E-11 | 1.45009E-10 | 14.33431 |
| *GIF* | 1.465705 | 0.644123 | 7.832123 | 4.16961E-14 | 1.94047E-13 | 20.65825 |
| *CCDC74A* | 1.466983 | 2.156619 | 12.58592 | 6.25493E-31 | 1.09877E-29 | 59.33081 |
| *HMGA1* | 1.467514 | 9.356552 | 13.08579 | 6.28189E-33 | 1.25081E-31 | 63.76176 |
| *TNNC1* | 1.468485 | 2.059557 | 5.485165 | 7.25045E-08 | 1.96915E-07 | 6.932349 |
| *GNB1L* | 1.468523 | 2.33134 | 11.04889 | 5.17639E-25 | 5.74516E-24 | 45.8354 |
| *SYT7* | 1.468835 | 4.763237 | 5.498231 | 6.76768E-08 | 1.84324E-07 | 6.941884 |
| *CAD* | 1.469257 | 5.248071 | 13.31218 | 7.63628E-34 | 1.62522E-32 | 65.91663 |
| *RNASEH2A* | 1.470477 | 6.094242 | 13.81828 | 6.53989E-36 | 1.6282E-34 | 70.60952 |
| *CHAF1B* | 1.471682 | 3.40377 | 11.10608 | 3.16746E-25 | 3.57979E-24 | 46.35129 |
| *POLR3G* | 1.473101 | 2.04722 | 10.16759 | 8.41516E-22 | 7.24416E-21 | 38.47269 |
| *DCUN1D5* | 1.47452 | 5.709824 | 14.49455 | 1.02713E-38 | 3.05895E-37 | 77.04687 |
| *NOP2* | 1.475204 | 5.50632 | 16.633 | 8.02639E-48 | 4.39496E-46 | 97.92796 |
| *CLDN9* | 1.476435 | 1.220295 | 8.742436 | 5.97308E-17 | 3.54918E-16 | 27.26678 |
| *SCML1* | 1.476454 | 3.939049 | 7.924214 | 2.19922E-14 | 1.04743E-13 | 21.65306 |
| *UCN2* | 1.476958 | 0.423426 | 13.40799 | 3.1169E-34 | 6.84413E-33 | 66.57691 |
| *DUSP2* | 1.477874 | 4.354607 | 7.292303 | 1.59048E-12 | 6.53786E-12 | 17.40428 |
| *CEBPB* | 1.478114 | 6.487611 | 10.8627 | 2.53809E-24 | 2.66E-23 | 44.08632 |
| *FANCI* | 1.478619 | 4.354698 | 12.12016 | 4.24247E-29 | 6.43361E-28 | 55.13615 |
| *CMSS1* | 1.479875 | 4.385401 | 12.30885 | 7.75095E-30 | 1.25224E-28 | 56.82095 |
| *TMEM255B* | 1.480167 | 1.828908 | 10.14563 | 1.00729E-21 | 8.61975E-21 | 38.25739 |
| *FANCB* | 1.480824 | 1.260414 | 16.07837 | 1.97245E-45 | 9.17454E-44 | 92.41554 |
| *TOP2A* | 1.481614 | 6.26524 | 10.48496 | 6.10635E-23 | 5.7423E-22 | 40.93844 |
| *RAD54B* | 1.482579 | 1.320589 | 15.48744 | 6.64024E-43 | 2.6292E-41 | 86.63043 |
| *DNA2* | 1.483756 | 2.898009 | 10.57093 | 2.97702E-23 | 2.87452E-22 | 41.86129 |
| *LIME1* | 1.483862 | 2.238596 | 9.147617 | 2.77838E-18 | 1.8349E-17 | 30.48745 |
| *RTEL1-TNFRSF6B* | 1.48532 | 1.133319 | 12.68412 | 2.54816E-31 | 4.59758E-30 | 60.06004 |
| *ASPM* | 1.486638 | 2.890076 | 10.20098 | 6.39924E-22 | 5.55296E-21 | 38.82555 |
| *MND1* | 1.486877 | 3.651351 | 8.66708 | 1.04623E-16 | 6.09321E-16 | 26.94453 |
| *SLC2A1* | 1.488102 | 7.082891 | 7.817243 | 4.62136E-14 | 2.1415E-13 | 20.70803 |
| *IGFL2* | 1.488272 | 0.990569 | 7.347267 | 1.1073E-12 | 4.61454E-12 | 17.51339 |
| *RNFT2* | 1.48835 | 1.252015 | 14.78795 | 6.05299E-40 | 1.98361E-38 | 79.83312 |
| *TFAP4* | 1.489335 | 3.597996 | 13.07261 | 7.09855E-33 | 1.41017E-31 | 63.81201 |
| *KIF18A* | 1.489502 | 2.713726 | 11.67273 | 2.27434E-27 | 3.01094E-26 | 51.24718 |
| *COL4A1* | 1.489813 | 6.898332 | 8.724742 | 6.81522E-17 | 4.02883E-16 | 27.14134 |
| *SLC38A5* | 1.490087 | 5.388726 | 4.319001 | 1.96935E-05 | 4.20686E-05 | 1.414614 |
| *CDT1* | 1.490516 | 5.546723 | 9.836646 | 1.23406E-20 | 9.76808E-20 | 35.7141 |
| *FOXD1* | 1.491163 | 0.926321 | 6.991858 | 1.11087E-11 | 4.26195E-11 | 15.22196 |
| *SPNS3* | 1.494019 | 1.977589 | 10.70689 | 9.49468E-24 | 9.45806E-23 | 42.89675 |
| *VEGFA* | 1.494114 | 5.1383 | 11.43126 | 1.89221E-26 | 2.34533E-25 | 49.01489 |
| *KCNJ14* | 1.495542 | 1.131774 | 16.78678 | 1.73348E-48 | 9.99816E-47 | 99.40501 |
| *CHAC1* | 1.496798 | 3.678298 | 7.044959 | 7.91397E-12 | 3.0703E-11 | 15.89436 |
| *SLC22A11* | 1.496842 | 0.483917 | 9.364892 | 5.16937E-19 | 3.60959E-18 | 31.77404 |
| *GABRP* | 1.498504 | 1.18292 | 6.477721 | 2.67737E-10 | 9.14281E-10 | 12.17905 |
| *TTYH3* | 1.498586 | 6.552782 | 11.88223 | 3.5564E-28 | 4.94666E-27 | 52.89299 |
| *MEGF6* | 1.500066 | 2.804405 | 6.534096 | 1.90594E-10 | 6.58648E-10 | 12.8043 |
| *NOTCH3* | 1.502242 | 4.482387 | 7.579872 | 2.34005E-13 | 1.02766E-12 | 19.27319 |
| *LZTS1* | 1.502769 | 1.629583 | 14.12143 | 3.66595E-37 | 9.86501E-36 | 73.51672 |
| *AKR1C4* | 1.502877 | 0.432693 | 9.230701 | 1.46484E-18 | 9.90471E-18 | 30.73432 |
| *RRP12* | 1.502928 | 4.50732 | 14.15047 | 2.77867E-37 | 7.55964E-36 | 73.84265 |
| *C11orf84* | 1.502962 | 4.771556 | 11.86941 | 3.98581E-28 | 5.52616E-27 | 52.87922 |
| *CLIC3* | 1.503347 | 3.59751 | 5.003983 | 8.35701E-07 | 2.04615E-06 | 4.639221 |
| *RIPPLY3* | 1.50501 | 0.622453 | 10.12393 | 1.20285E-21 | 1.02375E-20 | 37.80756 |
| *CSF3* | 1.505078 | 1.28897 | 7.109988 | 5.21087E-12 | 2.05618E-11 | 16.06215 |
| *MMP12* | 1.508036 | 5.90619 | 4.526415 | 7.87709E-06 | 1.75144E-05 | 2.252746 |
| *HIST1H1E* | 1.508687 | 0.931565 | 7.648607 | 1.46838E-13 | 6.56693E-13 | 19.47953 |
| *B3GNTL1* | 1.508706 | 1.931533 | 15.33173 | 3.04963E-42 | 1.15719E-40 | 85.18518 |
| *PMEPA1* | 1.508933 | 6.389896 | 6.351725 | 5.67559E-10 | 1.88282E-09 | 11.4783 |
| *NT5DC2* | 1.509157 | 5.43742 | 9.981149 | 3.8449E-21 | 3.153E-20 | 36.87774 |
| *TP73* | 1.513758 | 1.192678 | 10.57496 | 2.87825E-23 | 2.78226E-22 | 41.65261 |
| *SAPCD1* | 1.515579 | 0.902003 | 13.06471 | 7.63845E-33 | 1.51395E-31 | 63.49312 |
| *POP1* | 1.515929 | 3.346153 | 11.51095 | 9.42728E-27 | 1.20384E-25 | 49.83638 |
| *EIF4EBP1* | 1.516382 | 7.456594 | 11.49189 | 1.11393E-26 | 1.41307E-25 | 49.46273 |
| *CLCN4* | 1.516427 | 2.038029 | 8.496506 | 3.6766E-16 | 2.04751E-15 | 25.62622 |
| *NUP62CL* | 1.516558 | 2.999042 | 9.114639 | 3.5784E-18 | 2.3489E-17 | 30.29764 |
| *KIF4A* | 1.517352 | 4.569942 | 11.66726 | 2.38679E-27 | 3.15498E-26 | 51.12227 |
| *PLK1* | 1.518117 | 5.471196 | 12.11894 | 4.28913E-29 | 6.49867E-28 | 55.03892 |
| *MCEMP1* | 1.518296 | 0.84646 | 9.477957 | 2.13373E-19 | 1.53324E-18 | 32.73223 |
| *AP1S3* | 1.518999 | 2.720978 | 10.65539 | 1.46513E-23 | 1.44572E-22 | 42.5574 |
| *CBX4* | 1.51974 | 5.431228 | 12.90341 | 3.39494E-32 | 6.46945E-31 | 62.13623 |
| *C10orf2* | 1.522799 | 4.745631 | 14.95529 | 1.19494E-40 | 4.12696E-39 | 81.53535 |
| *EIF5A2* | 1.523573 | 2.547974 | 12.50274 | 1.33506E-30 | 2.28266E-29 | 58.61353 |
| *FXYD4* | 1.524337 | 0.747691 | 9.087389 | 4.4087E-18 | 2.87321E-17 | 29.72512 |
| *NPM3* | 1.52463 | 7.052949 | 11.4959 | 1.07544E-26 | 1.36726E-25 | 49.50081 |
| *CPNE1* | 1.524875 | 7.392002 | 9.159728 | 2.53142E-18 | 1.675E-17 | 30.39166 |
| *KIFC2* | 1.525116 | 3.84906 | 6.990729 | 1.11888E-11 | 4.29174E-11 | 15.54366 |
| *CTD-2192J16.22* | 1.525461 | 2.488036 | 4.458184 | 1.069E-05 | 2.33842E-05 | 2.169565 |
| *DHCR7* | 1.526703 | 6.285569 | 12.04805 | 8.09784E-29 | 1.20272E-27 | 54.37005 |
| *DNMT3B* | 1.528265 | 2.114356 | 11.74288 | 1.22398E-27 | 1.64813E-26 | 51.7962 |
| *NPFFR1* | 1.53046 | 0.630311 | 13.51528 | 1.13944E-34 | 2.57049E-33 | 67.61006 |
| *COL5A2* | 1.53116 | 5.808219 | 6.641111 | 9.93634E-11 | 3.51233E-10 | 13.21081 |
| *ACTL10* | 1.531534 | 3.53132 | 7.024356 | 9.02884E-12 | 3.48097E-11 | 15.77611 |
| *VGF* | 1.531859 | 1.608481 | 7.334934 | 1.20123E-12 | 4.98799E-12 | 17.57032 |
| *MTBP* | 1.532073 | 1.609185 | 16.11377 | 1.38983E-45 | 6.55263E-44 | 92.80466 |
| *NEK2* | 1.532086 | 4.752285 | 12.14756 | 3.31706E-29 | 5.07922E-28 | 55.35125 |
| *DKC1* | 1.533049 | 6.822224 | 16.73406 | 2.93261E-48 | 1.67468E-46 | 98.90102 |
| *GJC3* | 1.535423 | 0.884469 | 12.0004 | 1.2401E-28 | 1.80315E-27 | 53.8423 |
| *PAFAH1B3* | 1.535872 | 6.688237 | 14.5382 | 6.74779E-39 | 2.05229E-37 | 77.43939 |
| *KRT15* | 1.537761 | 1.834843 | 10.21644 | 5.63649E-22 | 4.91325E-21 | 38.8186 |
| *DNASE1L2* | 1.539043 | 0.922707 | 12.79743 | 9.00953E-32 | 1.66908E-30 | 61.04153 |
| *IRX5* | 1.540286 | 0.485462 | 12.2522 | 1.2929E-29 | 2.04302E-28 | 55.99965 |
| *CARD14* | 1.540599 | 1.012416 | 14.69392 | 1.50266E-39 | 4.77074E-38 | 78.87907 |
| *ADAT2* | 1.541577 | 2.814348 | 12.35298 | 5.19948E-30 | 8.47144E-29 | 57.27739 |
| *IRAK2* | 1.546806 | 3.431319 | 7.492453 | 4.21419E-13 | 1.81524E-12 | 18.7871 |
| *LRRC15* | 1.548004 | 2.39844 | 6.411746 | 3.97364E-10 | 1.33481E-09 | 12.04263 |
| *ABCC2* | 1.549237 | 1.17578 | 7.88102 | 2.97075E-14 | 1.3994E-13 | 21.10323 |
| *MSH5* | 1.552518 | 1.336697 | 14.37768 | 3.15762E-38 | 9.12126E-37 | 75.90385 |
| *MME* | 1.552611 | 1.883519 | 6.641768 | 9.89645E-11 | 3.49894E-10 | 13.29611 |
| *KIF2C* | 1.554527 | 5.017868 | 13.01778 | 1.17982E-32 | 2.31455E-31 | 63.21865 |
| *WDR4* | 1.554605 | 4.691245 | 12.00194 | 1.22316E-28 | 1.78152E-27 | 54.06298 |
| *ACBD7* | 1.555311 | 1.230812 | 13.80674 | 7.29516E-36 | 1.80843E-34 | 70.46916 |
| *SPHK1* | 1.555849 | 2.946843 | 6.438724 | 3.38246E-10 | 1.14466E-09 | 12.2455 |
| *CCDC85B* | 1.556514 | 5.970066 | 7.560635 | 2.6646E-13 | 1.16458E-12 | 19.01577 |
| *FRMD5* | 1.558613 | 1.822355 | 10.22806 | 5.12308E-22 | 4.47474E-21 | 38.91425 |
| *TMEM158* | 1.558711 | 4.166944 | 7.083589 | 6.17638E-12 | 2.41897E-11 | 16.09894 |
| *HELLS* | 1.558789 | 2.933791 | 11.16 | 1.99084E-25 | 2.28538E-24 | 46.81906 |
| *OXTR* | 1.55882 | 0.817814 | 17.30588 | 9.65187E-51 | 6.42332E-49 | 104.5127 |
| *CSE1L* | 1.559529 | 7.192013 | 14.63519 | 2.64927E-39 | 8.25953E-38 | 78.36502 |
| *PYCRL* | 1.560044 | 4.833553 | 9.183734 | 2.10445E-18 | 1.40051E-17 | 30.69925 |
| *MAD2L1* | 1.561405 | 4.708638 | 10.72412 | 8.20997E-24 | 8.23997E-23 | 43.03889 |
| *MTHFD2* | 1.562903 | 5.89034 | 13.12776 | 4.25466E-33 | 8.57024E-32 | 64.17864 |
| *TNFSF15* | 1.56509 | 2.686104 | 11.5471 | 6.86704E-27 | 8.83423E-26 | 50.14435 |
| *KREMEN2* | 1.566474 | 1.416703 | 10.6914 | 1.08199E-23 | 1.07473E-22 | 42.66053 |
| *RTN4R* | 1.5668 | 2.918481 | 8.355039 | 1.02936E-15 | 5.50064E-15 | 24.71208 |
| *ODAM* | 1.567878 | 1.862434 | 5.7746 | 1.52795E-08 | 4.44786E-08 | 8.370987 |
| *MRGBP* | 1.567932 | 5.525201 | 15.61249 | 1.9466E-43 | 7.88807E-42 | 87.87994 |
| *MFSD12* | 1.568157 | 5.26153 | 14.03579 | 8.29198E-37 | 2.19383E-35 | 72.7074 |
| *KAT2A* | 1.568202 | 6.218804 | 16.50961 | 2.73989E-47 | 1.44538E-45 | 96.68554 |
| *AURKA* | 1.568452 | 5.730791 | 13.0382 | 9.76509E-33 | 1.92663E-31 | 63.36033 |
| *PLA2G3* | 1.569346 | 0.597643 | 8.002978 | 1.26717E-14 | 6.1676E-14 | 21.79722 |
| *MTFR2* | 1.571111 | 3.432759 | 10.95038 | 1.20264E-24 | 1.29491E-23 | 45.0314 |
| *MAGEB17* | 1.571325 | 0.663692 | 6.799566 | 3.73195E-11 | 1.36954E-10 | 13.94591 |
| *OVGP1* | 1.571531 | 2.773314 | 9.276177 | 1.03027E-18 | 7.06012E-18 | 31.51931 |
| *LOXL2* | 1.574375 | 4.873453 | 8.435393 | 5.74414E-16 | 3.14516E-15 | 25.15616 |
| *GAD1* | 1.575717 | 0.480776 | 11.54868 | 6.77249E-27 | 8.71908E-26 | 49.77135 |
| *BYSL* | 1.57655 | 5.562316 | 18.95684 | 5.73121E-58 | 5.7322E-56 | 121.196 |
| *KIF23* | 1.577913 | 3.75554 | 12.28954 | 9.2295E-30 | 1.48281E-28 | 56.69347 |
| *MAT1A* | 1.578048 | 1.108007 | 8.081456 | 7.28823E-15 | 3.62484E-14 | 22.47068 |
| *GTSE1* | 1.578168 | 3.965096 | 12.3689 | 4.5017E-30 | 7.3484E-29 | 57.39536 |
| *TWIST1* | 1.579979 | 1.894603 | 9.494019 | 1.88067E-19 | 1.35928E-18 | 33.07908 |
| *RPL22L1* | 1.580025 | 5.989484 | 6.680355 | 7.80923E-11 | 2.78777E-10 | 13.43902 |
| *SRCIN1* | 1.582936 | 1.614941 | 11.43687 | 1.80183E-26 | 2.24295E-25 | 49.03957 |
| *F2RL2* | 1.583193 | 2.38133 | 7.902581 | 2.55704E-14 | 1.21251E-13 | 21.49643 |
| *PUS1* | 1.583673 | 4.665527 | 12.65014 | 3.47811E-31 | 6.2043E-30 | 59.88774 |
| *MELK* | 1.5858 | 4.948919 | 12.20854 | 1.91633E-29 | 2.9765E-28 | 55.88354 |
| *PODNL1* | 1.586101 | 2.285241 | 10.47784 | 6.47955E-23 | 6.07344E-22 | 41.03028 |
| *SPERT* | 1.587076 | 0.432594 | 12.33117 | 6.33454E-30 | 1.02724E-28 | 56.6996 |
| *GRAMD1A* | 1.589631 | 5.455653 | 12.70629 | 2.07975E-31 | 3.76816E-30 | 60.33792 |
| *IMPDH1* | 1.589704 | 6.29636 | 12.75459 | 1.33537E-31 | 2.44506E-30 | 60.73849 |
| *PGC* | 1.590218 | 0.652621 | 9.031036 | 6.77889E-18 | 4.3669E-17 | 29.25019 |
| *SERPINA4* | 1.590314 | 0.480777 | 10.02728 | 2.64413E-21 | 2.19011E-20 | 36.98888 |
| *APCDD1* | 1.590438 | 4.611832 | 4.201084 | 3.26337E-05 | 6.80068E-05 | 1.032514 |
| *INHBB* | 1.59445 | 2.359006 | 6.38917 | 4.54522E-10 | 1.52002E-09 | 11.89171 |
| *NPW* | 1.594463 | 1.433664 | 8.072329 | 7.77395E-15 | 3.85202E-14 | 22.48027 |
| *DSC3* | 1.595041 | 1.030882 | 6.690948 | 7.31625E-11 | 2.62097E-10 | 13.37928 |
| *CENPF* | 1.595486 | 4.073821 | 9.758707 | 2.30498E-20 | 1.79088E-19 | 35.23703 |
| *WDR90* | 1.595829 | 3.753703 | 9.250571 | 1.25623E-18 | 8.5409E-18 | 31.30894 |
| *RIPK2* | 1.596012 | 4.806292 | 13.65323 | 3.11071E-35 | 7.35308E-34 | 69.1382 |
| *BRSK2* | 1.596567 | 1.061422 | 9.154019 | 2.64499E-18 | 1.74881E-17 | 30.2794 |
| *KRT16* | 1.596692 | 0.561939 | 8.449524 | 5.18208E-16 | 2.85015E-15 | 24.93864 |
| *C2orf61* | 1.596805 | 0.505162 | 13.36093 | 4.84161E-34 | 1.04587E-32 | 66.13879 |
| *HES4* | 1.597964 | 4.16655 | 5.784113 | 1.45015E-08 | 4.23491E-08 | 8.522384 |
| *SLC2A12* | 1.598139 | 1.970706 | 7.780062 | 5.97224E-14 | 2.74542E-13 | 20.58478 |
| *ZP3* | 1.599145 | 3.727927 | 7.021055 | 9.22129E-12 | 3.55279E-11 | 15.74769 |
| *TMEM97* | 1.599642 | 6.195823 | 12.86297 | 4.92868E-32 | 9.3E-31 | 61.7327 |
| *ANXA3* | 1.599816 | 5.836152 | 10.27593 | 3.45441E-22 | 3.05894E-21 | 39.24379 |
| *AHCY* | 1.601341 | 8.566657 | 13.67942 | 2.4299E-35 | 5.83952E-34 | 69.28312 |
| *BUB1* | 1.601592 | 4.366406 | 12.83646 | 6.29174E-32 | 1.17948E-30 | 61.60947 |
| *RHBDF2* | 1.601692 | 4.458418 | 11.97118 | 1.60982E-28 | 2.30967E-27 | 53.8135 |
| *BIRC5* | 1.602308 | 5.826781 | 12.96893 | 1.85377E-32 | 3.58388E-31 | 62.72019 |
| *C5orf34* | 1.602892 | 2.159711 | 15.46523 | 8.25493E-43 | 3.24625E-41 | 86.49848 |
| *FGF18* | 1.60358 | 1.595101 | 11.23442 | 1.04685E-25 | 1.22971E-24 | 47.28612 |
| *C9orf117* | 1.604072 | 1.358508 | 18.99397 | 3.93586E-58 | 3.98258E-56 | 121.5478 |
| *CXCL17* | 1.604835 | 0.584805 | 7.56391 | 2.60636E-13 | 1.14114E-12 | 18.81286 |
| *DOK7* | 1.606193 | 1.313599 | 11.2805 | 7.02389E-26 | 8.37013E-25 | 47.63188 |
| *CCNF* | 1.606396 | 4.057406 | 11.9741 | 1.56846E-28 | 2.25407E-27 | 53.86883 |
| *GPT2* | 1.608488 | 5.180022 | 10.86614 | 2.46506E-24 | 2.59131E-23 | 44.19099 |
| *FANCA* | 1.6107 | 3.089504 | 12.2885 | 9.31633E-30 | 1.49537E-28 | 56.70127 |
| *DIO2* | 1.611811 | 1.940847 | 11.00072 | 7.8211E-25 | 8.54347E-24 | 45.35285 |
| *CKS2* | 1.615535 | 8.142034 | 14.04795 | 7.38522E-37 | 1.96595E-35 | 72.75846 |
| *MATN3* | 1.615649 | 1.210532 | 11.45838 | 1.49317E-26 | 1.87076E-25 | 49.14006 |
| *OLFML2B* | 1.615981 | 4.215548 | 6.759357 | 4.79268E-11 | 1.74035E-10 | 14.09105 |
| *SOX4* | 1.616381 | 6.337761 | 11.72891 | 1.38491E-27 | 1.85761E-26 | 51.55113 |
| *PPAT* | 1.61656 | 3.861983 | 13.33958 | 5.91163E-34 | 1.27067E-32 | 66.27286 |
| *CDK1* | 1.616587 | 5.574408 | 10.98632 | 8.84646E-25 | 9.61497E-24 | 45.17788 |
| *SAA2* | 1.617149 | 1.267147 | 7.413862 | 7.1214E-13 | 3.01275E-12 | 17.99108 |
| *NACA2* | 1.617178 | 1.4709 | 7.880646 | 2.97848E-14 | 1.40236E-13 | 21.16181 |
| *ZNF121* | 1.617631 | 4.094015 | 12.45772 | 2.01064E-30 | 3.36787E-29 | 58.18915 |
| *PDCD2L* | 1.61764 | 4.640777 | 14.70853 | 1.30478E-39 | 4.15011E-38 | 79.17045 |
| *CXCL6* | 1.617689 | 1.532926 | 8.481126 | 4.11438E-16 | 2.2825E-15 | 25.40149 |
| *STK31* | 1.617771 | 0.747938 | 13.66104 | 2.88989E-35 | 6.87809E-34 | 68.98341 |
| *UBE2T* | 1.619043 | 6.255123 | 13.54941 | 8.26747E-35 | 1.88972E-33 | 68.08543 |
| *AQP9* | 1.620079 | 1.707154 | 7.21283 | 2.67531E-12 | 1.08005E-11 | 16.78818 |
| *PITX1* | 1.621354 | 5.330386 | 9.100695 | 3.98184E-18 | 2.60286E-17 | 30.02578 |
| *EVPL* | 1.624524 | 5.52395 | 8.606401 | 1.63917E-16 | 9.36061E-16 | 26.33638 |
| *CADPS* | 1.624766 | 1.845504 | 7.972424 | 1.57004E-14 | 7.58628E-14 | 21.86988 |
| *GRHL1* | 1.625373 | 1.346088 | 15.48862 | 6.56427E-43 | 2.60508E-41 | 86.62209 |
| *SPDYC* | 1.626166 | 0.813524 | 10.29961 | 2.84154E-22 | 2.52918E-21 | 39.26957 |
| *CHST4* | 1.626542 | 0.703318 | 7.443922 | 5.8294E-13 | 2.48622E-12 | 18.0413 |
| *KRT75* | 1.628085 | 0.512601 | 8.790534 | 4.1696E-17 | 2.51908E-16 | 27.41891 |
| *EFNA3* | 1.629778 | 4.837961 | 7.595138 | 2.11051E-13 | 9.30401E-13 | 19.34906 |
| *TMEM206* | 1.631131 | 3.624936 | 14.79023 | 5.92047E-40 | 1.94387E-38 | 79.99995 |
| *CCNE1* | 1.631209 | 3.95347 | 9.77 | 2.10587E-20 | 1.64208E-19 | 35.33849 |
| *ZNF692* | 1.633017 | 4.193036 | 11.33334 | 4.43991E-26 | 5.36479E-25 | 48.26272 |
| *FGF19* | 1.63363 | 0.713515 | 7.807464 | 4.94424E-14 | 2.28622E-13 | 20.46494 |
| *BMP4* | 1.633831 | 5.977035 | 7.631494 | 1.6495E-13 | 7.33708E-13 | 19.49126 |
| *CDCA5* | 1.634653 | 5.199668 | 13.67367 | 2.56547E-35 | 6.13974E-34 | 69.30406 |
| *C9orf116* | 1.635052 | 1.900581 | 12.19392 | 2.18604E-29 | 3.38935E-28 | 55.7435 |
| *CPLX1* | 1.635877 | 2.971399 | 6.777593 | 4.27925E-11 | 1.56013E-10 | 14.26473 |
| *CCNB1* | 1.637139 | 6.711774 | 13.24821 | 1.38712E-33 | 2.90926E-32 | 65.27032 |
| *KRTAP5-1* | 1.6372 | 1.612927 | 11.30992 | 5.44131E-26 | 6.54281E-25 | 47.93171 |
| *S100A3* | 1.638311 | 2.184862 | 9.021041 | 7.31513E-18 | 4.70359E-17 | 29.4986 |
| *PROX1* | 1.640535 | 3.391678 | 6.40049 | 4.24921E-10 | 1.42351E-09 | 12.01701 |
| *BFSP1* | 1.641767 | 1.640004 | 14.13367 | 3.26187E-37 | 8.81878E-36 | 73.61473 |
| *LY6E* | 1.643708 | 7.202124 | 7.074701 | 6.53947E-12 | 2.55596E-11 | 15.83806 |
| *SPTBN5* | 1.646155 | 0.885883 | 13.13809 | 3.86557E-33 | 7.80466E-32 | 64.13838 |
| *CITED1* | 1.646398 | 1.178756 | 9.749745 | 2.47618E-20 | 1.91787E-19 | 34.92137 |
| *HES6* | 1.647154 | 6.476406 | 8.525516 | 2.97256E-16 | 1.66724E-15 | 25.69893 |
| *FASN* | 1.647869 | 6.835162 | 11.02259 | 6.48523E-25 | 7.12922E-24 | 45.43627 |
| *C17orf53* | 1.649957 | 2.952601 | 12.76981 | 1.16119E-31 | 2.13066E-30 | 61.04908 |
| *CENPA* | 1.651176 | 4.166049 | 11.50417 | 1.00034E-26 | 1.27646E-25 | 49.74336 |
| *CDCA3* | 1.654343 | 3.781164 | 11.45646 | 1.51844E-26 | 1.89838E-25 | 49.3524 |
| *HIST3H2A* | 1.656137 | 5.233518 | 8.153021 | 4.38681E-15 | 2.21814E-14 | 23.12437 |
| *NPSR1* | 1.656702 | 0.767115 | 6.312996 | 7.13364E-10 | 2.33731E-09 | 11.069 |
| *TICRR* | 1.658426 | 2.374493 | 13.21899 | 1.82122E-33 | 3.77396E-32 | 65.1326 |
| *ATAD2* | 1.658745 | 4.447666 | 11.02137 | 6.55328E-25 | 7.19488E-24 | 45.57528 |
| *KCNH8* | 1.660556 | 1.210365 | 13.18753 | 2.44092E-33 | 5.01012E-32 | 64.6633 |
| *RHEBL1* | 1.66179 | 2.35898 | 12.98129 | 1.65371E-32 | 3.20427E-31 | 62.9391 |
| *CKAP2L* | 1.661798 | 3.202326 | 12.27976 | 1.00816E-29 | 1.6152E-28 | 56.62258 |
| *FOXS1* | 1.665808 | 2.249468 | 12.22366 | 1.67236E-29 | 2.61635E-28 | 56.05606 |
| *PERM1* | 1.667652 | 0.790855 | 17.54416 | 8.83736E-52 | 6.29271E-50 | 106.8783 |
| *NDUFA4L2* | 1.67245 | 3.756276 | 5.895409 | 7.82808E-09 | 2.34463E-08 | 9.161112 |
| *RAD54L* | 1.674513 | 3.617651 | 11.07985 | 3.96822E-25 | 4.45858E-24 | 46.12611 |
| *IBSP* | 1.674856 | 0.600252 | 10.18827 | 7.10257E-22 | 6.14786E-21 | 38.2978 |
| *TREM1* | 1.676532 | 1.285091 | 10.29308 | 2.99898E-22 | 2.66656E-21 | 39.31107 |
| *CHPF* | 1.677383 | 7.23888 | 12.71383 | 1.94083E-31 | 3.53126E-30 | 60.35165 |
| *SPNS2* | 1.678237 | 5.508199 | 7.962994 | 1.67721E-14 | 8.0703E-14 | 21.77675 |
| *ALDH3B2* | 1.67985 | 0.869 | 10.42285 | 1.02398E-22 | 9.4496E-22 | 40.28677 |
| *KLHL17* | 1.680916 | 2.798976 | 10.12155 | 1.22647E-21 | 1.04334E-20 | 38.1692 |
| *SP6* | 1.681726 | 3.918712 | 6.223496 | 1.20497E-09 | 3.86821E-09 | 10.97238 |
| *RRM2* | 1.682269 | 6.153631 | 13.16281 | 3.07193E-33 | 6.27552E-32 | 64.4961 |
| *EPHB3* | 1.682333 | 6.73067 | 7.422634 | 6.71772E-13 | 2.84754E-12 | 18.08236 |
| *CDCA7* | 1.682391 | 6.813294 | 11.09272 | 3.55285E-25 | 4.0101E-24 | 46.03438 |
| *ITGA11* | 1.683139 | 2.747426 | 7.224083 | 2.48603E-12 | 1.00551E-11 | 17.03876 |
| *TMEM105* | 1.684644 | 0.960385 | 16.11291 | 1.4016E-45 | 6.59017E-44 | 92.676 |
| *FKBP10* | 1.684909 | 5.884245 | 7.348226 | 1.10031E-12 | 4.58652E-12 | 17.63321 |
| *CCND1* | 1.686462 | 7.157549 | 14.04051 | 7.92762E-37 | 2.10064E-35 | 72.69277 |
| *RELL2* | 1.687011 | 2.046173 | 10.76451 | 5.83633E-24 | 5.95086E-23 | 43.36026 |
| *TOMM34* | 1.687354 | 7.101261 | 14.93622 | 1.43801E-40 | 4.91738E-39 | 81.26673 |
| *CXCL10* | 1.687509 | 5.217524 | 4.528224 | 7.81315E-06 | 1.73767E-05 | 2.332368 |
| *PHLDA2* | 1.68829 | 7.093562 | 10.03875 | 2.40866E-21 | 1.99986E-20 | 37.28295 |
| *CENPI* | 1.68949 | 2.609401 | 13.96229 | 1.66825E-36 | 4.34726E-35 | 72.10033 |
| *CST4* | 1.689998 | 0.575613 | 10.55076 | 3.52462E-23 | 3.38626E-22 | 41.27465 |
| *SULF1* | 1.693365 | 5.369618 | 5.763452 | 1.62431E-08 | 4.71614E-08 | 8.283089 |
| *SPATA12* | 1.693766 | 0.763269 | 20.62134 | 2.71526E-65 | 4.35019E-63 | 137.9066 |
| *EXO1* | 1.697069 | 3.391703 | 11.77827 | 8.94878E-28 | 1.21922E-26 | 52.17237 |
| *GTF3A* | 1.699546 | 7.519084 | 11.28755 | 6.60693E-26 | 7.88956E-25 | 47.69621 |
| *KLK12* | 1.699647 | 1.848009 | 5.687342 | 2.45988E-08 | 7.00516E-08 | 7.884516 |
| *TOP1MT* | 1.700976 | 4.969793 | 10.8378 | 3.13607E-24 | 3.26889E-23 | 43.97995 |
| *SHCBP1* | 1.703242 | 3.38437 | 14.13824 | 3.12268E-37 | 8.46891E-36 | 73.77977 |
| *FAM132B* | 1.703352 | 0.888652 | 12.74704 | 1.43121E-31 | 2.61502E-30 | 60.53499 |
| *TYRO3* | 1.704917 | 2.003554 | 12.23929 | 1.45249E-29 | 2.28476E-28 | 56.1553 |
| *EME1* | 1.706323 | 2.167782 | 15.33076 | 3.07868E-42 | 1.16566E-40 | 85.18077 |
| *SOX14* | 1.709681 | 0.591995 | 8.863165 | 2.41714E-17 | 1.48998E-16 | 27.95977 |
| *PIF1* | 1.713055 | 2.370906 | 12.9951 | 1.45534E-32 | 2.8294E-31 | 63.06179 |
| *TFAP2A* | 1.716779 | 0.988716 | 11.13022 | 2.57319E-25 | 2.92921E-24 | 46.23908 |
| *OTUB2* | 1.721665 | 2.363318 | 11.15019 | 2.1666E-25 | 2.47941E-24 | 46.67005 |
| *PDPN* | 1.721742 | 4.201575 | 7.63109 | 1.65402E-13 | 7.35342E-13 | 19.66344 |
| *PUS7* | 1.722629 | 4.510444 | 14.43558 | 1.81078E-38 | 5.3015E-37 | 76.56899 |
| *SLC5A6* | 1.722735 | 5.89786 | 11.2197 | 1.18899E-25 | 1.3882E-24 | 47.15431 |
| *MFI2* | 1.725662 | 4.065007 | 6.400997 | 4.2364E-10 | 1.41977E-09 | 11.9844 |
| *MYOM3* | 1.725857 | 2.52019 | 6.879481 | 2.26238E-11 | 8.46399E-11 | 14.82525 |
| *CKMT2* | 1.727633 | 2.384033 | 4.308577 | 2.06022E-05 | 4.38961E-05 | 1.494554 |
| *GJB3* | 1.729515 | 4.986213 | 6.987502 | 1.14211E-11 | 4.375E-11 | 15.42513 |
| *LIF* | 1.731109 | 4.564025 | 9.466322 | 2.33786E-19 | 1.67503E-18 | 32.91452 |
| *HAPLN3* | 1.731329 | 3.581274 | 7.239425 | 2.24905E-12 | 9.12647E-12 | 17.14308 |
| *SLC28A3* | 1.732559 | 1.774473 | 7.788067 | 5.65189E-14 | 2.60092E-13 | 20.57844 |
| *CBX8* | 1.733063 | 3.61058 | 14.62544 | 2.91053E-39 | 9.05772E-38 | 78.42003 |
| *AP006285.2* | 1.734015 | 1.626394 | 13.039 | 9.69327E-33 | 1.91464E-31 | 63.35447 |
| *CCDC113* | 1.735959 | 2.465606 | 11.30515 | 5.67123E-26 | 6.8098E-25 | 48.01199 |
| *ALDH4A1* | 1.739153 | 4.410856 | 7.935981 | 2.02583E-14 | 9.69385E-14 | 21.7121 |
| *CDC6* | 1.741014 | 4.511943 | 10.94735 | 1.23412E-24 | 1.32552E-23 | 44.94893 |
| *ASGR1* | 1.741286 | 1.650447 | 10.24797 | 4.34912E-22 | 3.81606E-21 | 39.00924 |
| *CLEC5A* | 1.741599 | 0.966184 | 13.50134 | 1.29886E-34 | 2.91116E-33 | 67.5092 |
| *SSTR5* | 1.742018 | 1.043515 | 8.391669 | 7.8938E-16 | 4.26167E-15 | 24.61325 |
| *ATP5EP2* | 1.742832 | 3.152447 | 6.309113 | 7.29864E-10 | 2.38911E-09 | 11.49308 |
| *ERP27* | 1.743181 | 2.204576 | 6.340457 | 6.06666E-10 | 2.00613E-09 | 11.55334 |
| *KIF20A* | 1.748224 | 4.372674 | 13.51926 | 1.09758E-34 | 2.48253E-33 | 67.92515 |
| *COL27A1* | 1.748962 | 2.143989 | 10.15097 | 9.64176E-22 | 8.26307E-21 | 38.31094 |
| *GINS1* | 1.752131 | 4.531911 | 10.32915 | 2.22636E-22 | 2.00118E-21 | 39.8022 |
| *LCN12* | 1.75303 | 1.917532 | 9.708966 | 3.42884E-20 | 2.62287E-19 | 34.73486 |
| *IFITM1* | 1.754407 | 9.485473 | 10.04987 | 2.20045E-21 | 1.83403E-20 | 37.36967 |
| *BTBD16* | 1.755002 | 0.804982 | 15.762 | 4.47514E-44 | 1.91667E-42 | 89.18474 |
| *EDNRA* | 1.755971 | 2.980398 | 8.578861 | 2.00828E-16 | 1.1382E-15 | 26.31943 |
| *IFITM3* | 1.759092 | 10.03325 | 11.90338 | 2.94634E-28 | 4.13467E-27 | 53.07539 |
| *ARID3A* | 1.759556 | 3.940822 | 6.9666 | 1.30442E-11 | 4.97804E-11 | 15.4007 |
| *FOXA2* | 1.762672 | 5.553835 | 9.00915 | 8.00802E-18 | 5.13766E-17 | 29.3278 |
| *COL8A1* | 1.766283 | 3.100497 | 6.307181 | 7.38211E-10 | 2.41506E-09 | 11.48247 |
| *MUC5AC* | 1.766569 | 0.901377 | 7.282493 | 1.69631E-12 | 6.94702E-12 | 17.01353 |
| *DACH1* | 1.770042 | 3.881016 | 5.488737 | 7.11525E-08 | 1.93364E-07 | 7.01478 |
| *BRCA2* | 1.770705 | 2.002763 | 16.29177 | 2.38334E-46 | 1.18503E-44 | 94.57755 |
| *NUF2* | 1.772235 | 3.822806 | 10.74412 | 6.93408E-24 | 7.0123E-23 | 43.28756 |
| *CEP55* | 1.773941 | 5.180119 | 12.39388 | 3.58932E-30 | 5.90923E-29 | 57.54183 |
| *NME1* | 1.774013 | 6.085452 | 15.68234 | 9.79861E-44 | 4.03679E-42 | 88.54806 |
| *SLC11A1* | 1.778126 | 1.560986 | 12.65673 | 3.27442E-31 | 5.85303E-30 | 59.83946 |
| *PTK7* | 1.77979 | 4.759457 | 6.752671 | 4.99571E-11 | 1.81218E-10 | 14.00828 |
| *DIAPH3* | 1.780616 | 3.006857 | 13.61814 | 4.33017E-35 | 1.0057E-33 | 68.88206 |
| *ADAMTS4* | 1.781158 | 2.430424 | 10.0496 | 2.20528E-21 | 1.83716E-20 | 37.53363 |
| *E2F7* | 1.783373 | 2.035812 | 16.04787 | 2.66692E-45 | 1.23715E-43 | 92.17683 |
| *PALM3* | 1.784212 | 1.562575 | 8.666471 | 1.05096E-16 | 6.11666E-16 | 26.71751 |
| *NR0B2* | 1.785961 | 2.788616 | 5.362186 | 1.37788E-07 | 3.64995E-07 | 6.369139 |
| *TTC26* | 1.787771 | 2.587307 | 18.49829 | 5.91106E-56 | 5.19183E-54 | 116.6143 |
| *CSF2* | 1.790697 | 1.020338 | 10.88804 | 2.04605E-24 | 2.16663E-23 | 44.18022 |
| *RFC3* | 1.793814 | 5.226066 | 13.00892 | 1.28069E-32 | 2.50111E-31 | 63.13771 |
| *TNNT1* | 1.794256 | 1.213086 | 7.96275 | 1.68008E-14 | 8.08188E-14 | 21.62526 |
| *KIF14* | 1.794488 | 2.240196 | 14.73763 | 9.84853E-40 | 3.16746E-38 | 79.44523 |
| *CYP27B1* | 1.795782 | 2.024875 | 16.35244 | 1.30551E-46 | 6.60505E-45 | 95.17546 |
| *ERCC6L* | 1.801041 | 2.640155 | 12.51259 | 1.22057E-30 | 2.0952E-29 | 58.68749 |
| *C2CD4B* | 1.802047 | 3.106041 | 5.302339 | 1.87525E-07 | 4.90366E-07 | 6.09747 |
| *KRT6A* | 1.804495 | 0.86842 | 8.136764 | 4.92439E-15 | 2.48199E-14 | 22.74734 |
| *PBX4* | 1.808078 | 2.16049 | 14.45326 | 1.52783E-38 | 4.48828E-37 | 76.70472 |
| *SPRR1A* | 1.811957 | 0.743679 | 6.851129 | 2.70335E-11 | 1.00421E-10 | 14.24601 |
| *MYADML2* | 1.812483 | 1.306221 | 10.55246 | 3.47474E-23 | 3.34204E-22 | 41.42161 |
| *WNT3* | 1.814879 | 1.425641 | 17.0271 | 1.57279E-49 | 9.84771E-48 | 101.7938 |
| *ECT2* | 1.816795 | 5.548017 | 12.39589 | 3.52449E-30 | 5.81356E-29 | 57.53408 |
| *LY6G6C* | 1.818496 | 1.398737 | 10.34683 | 1.92343E-22 | 1.73339E-21 | 39.75232 |
| *TGIF2* | 1.818962 | 4.921254 | 11.36895 | 3.25722E-26 | 3.94952E-25 | 48.52255 |
| *TCF7* | 1.821816 | 3.913433 | 9.543727 | 1.27138E-19 | 9.32151E-19 | 33.57352 |
| *BOP1* | 1.822282 | 6.622603 | 13.2071 | 2.03435E-33 | 4.1884E-32 | 64.89506 |
| *IL1A* | 1.826096 | 1.403571 | 10.5303 | 4.18207E-23 | 3.98344E-22 | 41.26265 |
| *C19orf48* | 1.827177 | 6.696233 | 14.76852 | 7.3052E-40 | 2.38045E-38 | 79.65662 |
| *UBE2S* | 1.828168 | 5.344051 | 12.85648 | 5.23258E-32 | 9.85195E-31 | 61.73248 |
| *SHROOM4* | 1.831284 | 2.720569 | 9.504683 | 1.72933E-19 | 1.25462E-18 | 33.25364 |
| *CDC45* | 1.832338 | 4.498056 | 11.05018 | 5.1196E-25 | 5.68943E-24 | 45.82994 |
| *FAM89A* | 1.832861 | 3.876267 | 12.77138 | 1.1446E-31 | 2.10692E-30 | 61.05325 |
| *IL1RN* | 1.833545 | 3.640971 | 5.732851 | 1.9203E-08 | 5.54245E-08 | 8.3015 |
| *COL12A1* | 1.835794 | 5.28878 | 7.504421 | 3.88924E-13 | 1.68029E-12 | 18.71765 |
| *ERICH2* | 1.83584 | 1.830933 | 9.214475 | 1.66038E-18 | 1.11919E-17 | 30.86373 |
| *SLMO1* | 1.837844 | 2.085651 | 16.70939 | 3.74977E-48 | 2.12729E-46 | 98.71001 |
| *ZNF239* | 1.839962 | 3.017794 | 10.2853 | 3.19765E-22 | 2.84029E-21 | 39.50397 |
| *GRP* | 1.840992 | 1.738741 | 8.416816 | 6.57571E-16 | 3.5791E-15 | 24.9321 |
| *JPH1* | 1.847404 | 4.349438 | 11.3741 | 3.11458E-26 | 3.77921E-25 | 48.61662 |
| *AGT* | 1.848412 | 4.785313 | 6.80454 | 3.61796E-11 | 1.32912E-10 | 14.32678 |
| *HJURP* | 1.848885 | 4.368735 | 14.55867 | 5.54054E-39 | 1.71193E-37 | 77.75952 |
| *MET* | 1.850488 | 6.119066 | 14.18563 | 1.98607E-37 | 5.4896E-36 | 74.09712 |
| *E2F1* | 1.855739 | 5.278807 | 12.77061 | 1.15269E-31 | 2.11956E-30 | 60.95504 |
| *UCN* | 1.856463 | 1.720129 | 13.71906 | 1.6714E-35 | 4.05613E-34 | 69.6785 |
| *WDR72* | 1.858568 | 1.813551 | 7.693871 | 1.07857E-13 | 4.88289E-13 | 19.92097 |
| *GPR3* | 1.859306 | 1.267118 | 16.52523 | 2.34566E-47 | 1.24119E-45 | 96.77712 |
| *CYSRT1* | 1.860468 | 1.584754 | 14.71657 | 1.20727E-39 | 3.84705E-38 | 79.14437 |
| *C16orf59* | 1.860531 | 3.266811 | 11.59535 | 4.49497E-27 | 5.85226E-26 | 50.574 |
| *DUOXA2* | 1.862571 | 3.568386 | 3.359548 | 0.000853984 | 0.001501065 | -1.92467 |
| *MCIDAS* | 1.862671 | 0.909439 | 18.36318 | 2.31328E-55 | 1.96209E-53 | 115.0952 |
| *CD3EAP* | 1.864513 | 2.943201 | 15.19835 | 1.12191E-41 | 4.06116E-40 | 83.93928 |
| *SRMS* | 1.864621 | 3.290954 | 6.347648 | 5.81415E-10 | 1.92614E-09 | 11.71497 |
| *MSLN* | 1.871373 | 5.123095 | 4.09635 | 5.06137E-05 | 0.000103409 | 0.581506 |
| *PVRL4* | 1.872035 | 3.860322 | 7.535506 | 3.15615E-13 | 1.37317E-12 | 19.06445 |
| *IER5L* | 1.872713 | 4.037812 | 9.244244 | 1.31924E-18 | 8.95869E-18 | 31.25776 |
| *GABRD* | 1.872765 | 1.327248 | 18.66492 | 1.0976E-56 | 1.00486E-54 | 118.1967 |
| *MCM10* | 1.875344 | 2.949817 | 13.6557 | 3.03916E-35 | 7.1938E-34 | 69.22809 |
| *PAQR4* | 1.878278 | 5.033817 | 14.16111 | 2.51031E-37 | 6.88367E-36 | 73.93141 |
| *GSDMA* | 1.878449 | 1.983877 | 9.759857 | 2.28387E-20 | 1.77608E-19 | 35.1243 |
| *CHTF18* | 1.880808 | 3.973675 | 10.45853 | 7.6104E-23 | 7.1103E-22 | 40.91349 |
| *OSM* | 1.881241 | 2.497446 | 7.2279 | 2.42488E-12 | 9.81695E-12 | 16.99198 |
| *OSBPL3* | 1.894436 | 3.966601 | 15.84163 | 2.04236E-44 | 8.87913E-43 | 90.20598 |
| *WDR62* | 1.897166 | 2.403737 | 15.30354 | 4.01706E-42 | 1.498E-40 | 84.92082 |
| *FGFRL1* | 1.898219 | 5.649626 | 9.612197 | 7.39899E-20 | 5.52545E-19 | 33.96108 |
| *LDLRAD3* | 1.899858 | 3.195659 | 9.755438 | 2.36601E-20 | 1.83665E-19 | 35.2519 |
| *SEC14L2* | 1.903407 | 2.066468 | 16.28263 | 2.60946E-46 | 1.28637E-44 | 94.47703 |
| *CDKN2A* | 1.903579 | 2.066112 | 8.915176 | 1.63288E-17 | 1.02183E-16 | 28.63518 |
| *PYCR1* | 1.904125 | 7.048388 | 17.99608 | 9.37585E-54 | 7.40778E-52 | 111.5074 |
| *SLC39A10* | 1.905539 | 4.078906 | 13.91946 | 2.50596E-36 | 6.42379E-35 | 71.69904 |
| *LRRC36* | 1.906154 | 1.25832 | 13.09219 | 5.91961E-33 | 1.18276E-31 | 63.74834 |
| *LEF1* | 1.906416 | 2.871768 | 10.01389 | 2.94812E-21 | 2.43375E-20 | 37.29044 |
| *SULT1C2* | 1.912698 | 1.685801 | 10.68109 | 1.18013E-23 | 1.16952E-22 | 42.56502 |
| *IGFL4* | 1.913756 | 0.815747 | 14.85038 | 3.30636E-40 | 1.10444E-38 | 80.28821 |
| *PLAU* | 1.914632 | 5.887487 | 10.31768 | 2.44759E-22 | 2.18866E-21 | 39.60001 |
| *GOLGA7B* | 1.915652 | 1.922646 | 11.58691 | 4.84136E-27 | 6.28904E-26 | 50.33953 |
| *PMAIP1* | 1.917595 | 4.06451 | 10.25756 | 4.01907E-22 | 3.53903E-21 | 39.26257 |
| *KLK11* | 1.918982 | 2.273333 | 6.124424 | 2.13808E-09 | 6.71541E-09 | 10.30498 |
| *ASB9* | 1.920276 | 3.195665 | 7.691517 | 1.09605E-13 | 4.95946E-13 | 20.11535 |
| *TNNI3* | 1.922434 | 0.923856 | 11.85822 | 4.40252E-28 | 6.09414E-27 | 52.5205 |
| *GZMB* | 1.924076 | 4.095481 | 5.280702 | 2.09485E-07 | 5.45479E-07 | 5.962758 |
| *AREG* | 1.925084 | 6.833565 | 6.596031 | 1.30864E-10 | 4.58741E-10 | 12.91187 |
| *KIAA1257* | 1.926136 | 1.07964 | 20.00319 | 1.42839E-62 | 1.94609E-60 | 131.672 |
| *SNAI1* | 1.927013 | 3.475686 | 11.40881 | 2.30167E-26 | 2.82854E-25 | 48.95504 |
| *GALNT6* | 1.930083 | 4.922 | 10.32697 | 2.26679E-22 | 2.03435E-21 | 39.7622 |
| *DEFA6* | 1.93177 | 3.990039 | 2.633484 | 0.008771802 | 0.013383166 | -4.07128 |
| *STX1A* | 1.933049 | 3.052054 | 11.25116 | 9.05623E-26 | 1.06817E-24 | 47.58879 |
| *NMB* | 1.936055 | 4.335846 | 11.22886 | 1.09848E-25 | 1.28837E-24 | 47.37386 |
| *FXYD5* | 1.936794 | 6.798441 | 13.39261 | 3.59964E-34 | 7.83454E-33 | 66.61562 |
| *LMTK3* | 1.93935 | 2.225455 | 13.43717 | 2.37131E-34 | 5.25537E-33 | 67.10122 |
| *DUSP14* | 1.943427 | 4.253835 | 14.33847 | 4.59915E-38 | 1.31753E-36 | 75.66502 |
| *SOX9* | 1.945066 | 7.484254 | 14.97927 | 9.46675E-41 | 3.28922E-39 | 81.68179 |
| *TPX2* | 1.945078 | 6.72326 | 15.89241 | 1.23784E-44 | 5.49187E-43 | 90.59454 |
| *HOMER1* | 1.945079 | 2.10876 | 15.8333 | 2.21714E-44 | 9.61485E-43 | 90.06023 |
| *SLC13A3* | 1.946362 | 1.195526 | 9.429573 | 3.11848E-19 | 2.21234E-18 | 32.35324 |
| *JAG2* | 1.950311 | 4.22447 | 8.875437 | 2.20378E-17 | 1.36429E-16 | 28.46936 |
| *NMU* | 1.95139 | 3.089464 | 5.191274 | 3.29778E-07 | 8.40253E-07 | 5.542683 |
| *EVX1* | 1.957431 | 1.746586 | 8.138148 | 4.87618E-15 | 2.45912E-14 | 22.9339 |
| *FEZF1* | 1.96179 | 0.787482 | 10.76072 | 6.02645E-24 | 6.13026E-23 | 43.03512 |
| *PPAPDC1A* | 1.965437 | 1.667909 | 10.59718 | 2.38904E-23 | 2.32364E-22 | 41.84801 |
| *CPXM1* | 1.966041 | 3.949225 | 8.366715 | 9.45931E-16 | 5.06419E-15 | 24.77988 |
| *TFR2* | 1.966587 | 1.546097 | 14.60946 | 3.39575E-39 | 1.05488E-37 | 78.09252 |
| *PLEKHG4* | 1.967709 | 3.982199 | 8.837369 | 2.9346E-17 | 1.79934E-16 | 28.20325 |
| *MYC* | 1.971497 | 8.099684 | 13.76588 | 1.07379E-35 | 2.62427E-34 | 70.09612 |
| *PKMYT1* | 1.971842 | 4.268309 | 10.73304 | 7.61457E-24 | 7.67355E-23 | 43.18076 |
| *PALD1* | 1.971877 | 4.759185 | 8.948135 | 1.27253E-17 | 8.03013E-17 | 28.96717 |
| *DSG3* | 1.978339 | 1.198658 | 8.628789 | 1.38927E-16 | 7.98356E-16 | 26.30752 |
| *KAL1* | 1.979449 | 1.630699 | 14.22434 | 1.37179E-37 | 3.82224E-36 | 74.42504 |
| *FBXO41* | 1.980477 | 2.95618 | 11.57211 | 5.51328E-27 | 7.14579E-26 | 50.35285 |
| *ASCL5* | 1.981495 | 1.080895 | 14.18149 | 2.06616E-37 | 5.70189E-36 | 73.91427 |
| *LZTS3* | 1.982935 | 4.220767 | 7.850809 | 3.6636E-14 | 1.71374E-13 | 21.16427 |
| *DDIAS* | 1.984548 | 2.490945 | 16.17878 | 7.30268E-46 | 3.50023E-44 | 93.48858 |
| *CEP72* | 1.985342 | 3.183036 | 13.68376 | 2.33234E-35 | 5.61286E-34 | 69.49471 |
| *KIF18B* | 1.987107 | 3.89848 | 13.00777 | 1.29439E-32 | 2.525E-31 | 63.21944 |
| *SLC22A3* | 1.987717 | 4.123194 | 7.971938 | 1.5754E-14 | 7.61006E-14 | 22.0014 |
| *XKRX* | 1.988084 | 2.353974 | 10.78373 | 4.95982E-24 | 5.09316E-23 | 43.52818 |
| *SQLE* | 1.992313 | 5.932715 | 11.34158 | 4.133E-26 | 4.99743E-25 | 48.21524 |
| *KIF26B* | 1.99552 | 1.387442 | 15.41088 | 1.40584E-42 | 5.42976E-41 | 85.81298 |
| *GABRE* | 1.995751 | 3.018829 | 8.34754 | 1.08674E-15 | 5.79116E-15 | 24.63674 |
| *UHRF1* | 1.999192 | 3.812349 | 11.43503 | 1.83095E-26 | 2.27593E-25 | 49.1762 |
| *KISS1* | 2.00268 | 1.590746 | 11.75471 | 1.10233E-27 | 1.49129E-26 | 51.72746 |
| *C19orf45* | 2.002802 | 2.031771 | 13.50905 | 1.20809E-34 | 2.72181E-33 | 67.74056 |
| *HSF4* | 2.005069 | 2.752983 | 10.82304 | 3.55455E-24 | 3.68731E-23 | 43.91321 |
| *COL9A3* | 2.009934 | 2.986932 | 5.672241 | 2.66961E-08 | 7.57499E-08 | 7.960089 |
| *SAPCD2* | 2.012677 | 5.753753 | 13.06992 | 7.27807E-33 | 1.44418E-31 | 63.67571 |
| *ULBP3* | 2.017397 | 2.301342 | 15.37846 | 1.93072E-42 | 7.42383E-41 | 85.62829 |
| *UBD* | 2.02094 | 4.70325 | 5.352663 | 1.44741E-07 | 3.82593E-07 | 6.269968 |
| *AXIN2* | 2.024876 | 6.018186 | 7.261146 | 1.95114E-12 | 7.95863E-12 | 17.08283 |
| *SHH* | 2.026136 | 3.779478 | 8.204926 | 3.02971E-15 | 1.5519E-14 | 23.6427 |
| *MROH6* | 2.026515 | 4.256044 | 7.804672 | 5.04041E-14 | 2.32944E-13 | 20.85053 |
| *CYP4X1* | 2.028706 | 2.809147 | 5.972641 | 5.07545E-09 | 1.54458E-08 | 9.542036 |
| *EDAR* | 2.03029 | 2.817331 | 6.091889 | 2.57707E-09 | 8.0243E-09 | 10.20388 |
| *SLCO1B3* | 2.043835 | 0.932192 | 10.32269 | 2.3483E-22 | 2.10314E-21 | 39.41056 |
| *XRCC2* | 2.044831 | 2.470995 | 17.77952 | 8.29606E-53 | 6.05683E-51 | 109.3926 |
| *DSCC1* | 2.048318 | 4.064574 | 12.846 | 5.76271E-32 | 1.08265E-30 | 61.73373 |
| *KLK8* | 2.051347 | 0.890095 | 10.27299 | 3.53918E-22 | 3.1292E-21 | 38.99785 |
| *ASIC1* | 2.057835 | 3.096222 | 10.86425 | 2.50484E-24 | 2.62993E-23 | 44.29344 |
| *RAB36* | 2.062827 | 2.959182 | 11.74603 | 1.1904E-27 | 1.60541E-26 | 51.86454 |
| *DGAT2* | 2.0642 | 3.52151 | 10.70525 | 9.62733E-24 | 9.58468E-23 | 42.97615 |
| *TG* | 2.068609 | 1.142538 | 13.76728 | 1.05969E-35 | 2.59347E-34 | 69.99036 |
| *PIWIL1* | 2.069024 | 1.077586 | 10.45561 | 7.79738E-23 | 7.2693E-22 | 40.52144 |
| *ATP6V1C2* | 2.069276 | 2.719303 | 10.70699 | 9.48729E-24 | 9.45614E-23 | 42.92973 |
| *THBS2* | 2.072977 | 5.171279 | 5.728275 | 1.96886E-08 | 5.67408E-08 | 8.156716 |
| *RNF43* | 2.07348 | 6.53958 | 9.513939 | 1.60782E-19 | 1.17138E-18 | 33.14697 |
| *SH3TC2* | 2.086716 | 1.29207 | 20.85963 | 2.42802E-66 | 4.1596E-64 | 140.3375 |
| *ENC1* | 2.090478 | 6.428659 | 18.3072 | 4.06979E-55 | 3.38555E-53 | 114.6457 |
| *PTP4A3* | 2.091942 | 5.661093 | 8.548832 | 2.50485E-16 | 1.41315E-15 | 25.94371 |
| *PLEKHS1* | 2.096439 | 3.999917 | 8.053165 | 8.90031E-15 | 4.38378E-14 | 22.575 |
| *ATG9B* | 2.10116 | 1.390199 | 17.4669 | 1.91957E-51 | 1.33391E-49 | 106.1402 |
| *STRIP2* | 2.102069 | 1.901275 | 16.85286 | 8.96593E-49 | 5.40549E-47 | 100.0892 |
| *CCDC78* | 2.103168 | 1.284185 | 16.99651 | 2.13549E-49 | 1.31966E-47 | 101.4268 |
| *GJB5* | 2.106033 | 1.704798 | 7.440245 | 5.97411E-13 | 2.54481E-12 | 18.1561 |
| *ATP11A* | 2.10654 | 4.196736 | 11.88289 | 3.53533E-28 | 4.92131E-27 | 53.07837 |
| *MYBL2* | 2.112911 | 6.8218 | 12.93323 | 2.57811E-32 | 4.94009E-31 | 62.37219 |
| *FOLR1* | 2.115285 | 1.847201 | 7.715341 | 9.31305E-14 | 4.23728E-13 | 20.01688 |
| *TROAP* | 2.116884 | 4.287563 | 13.74501 | 1.30802E-35 | 3.18321E-34 | 70.05776 |
| *ORC6* | 2.120375 | 3.488077 | 14.52902 | 7.37149E-39 | 2.22988E-37 | 77.50005 |
| *C6orf15* | 2.126065 | 1.033673 | 9.482224 | 2.06338E-19 | 1.48452E-18 | 32.69589 |
| *OTX1* | 2.131122 | 1.011341 | 19.16078 | 7.27345E-59 | 7.72101E-57 | 123.1282 |
| *AMH* | 2.135147 | 1.400503 | 10.86059 | 2.5841E-24 | 2.70658E-23 | 43.96082 |
| *IQGAP3* | 2.140889 | 4.871094 | 13.67639 | 2.50039E-35 | 5.99228E-34 | 69.38534 |
| *S100A11* | 2.142453 | 10.90641 | 21.71012 | 4.43769E-70 | 8.8259E-68 | 148.9678 |
| *ASPHD1* | 2.154172 | 3.299686 | 9.023382 | 7.18587E-18 | 4.62391E-17 | 29.59811 |
| *UNC93A* | 2.157859 | 1.448687 | 10.51313 | 4.82732E-23 | 4.57934E-22 | 41.06149 |
| *CELSR3* | 2.157869 | 2.134126 | 14.04587 | 7.53316E-37 | 2.00225E-35 | 72.78184 |
| *SKA3* | 2.158662 | 4.610113 | 13.42867 | 2.56796E-34 | 5.68201E-33 | 67.0881 |
| *RASSF10* | 2.170486 | 2.621604 | 8.057789 | 8.6146E-15 | 4.25153E-14 | 22.51406 |
| *SHISA2* | 2.172063 | 1.850549 | 14.94383 | 1.33564E-40 | 4.58543E-39 | 81.3307 |
| *TMPRSS3* | 2.172766 | 2.471532 | 9.522465 | 1.5034E-19 | 1.09668E-18 | 33.29238 |
| *AUNIP* | 2.175977 | 2.786241 | 16.8554 | 8.74177E-49 | 5.28877E-47 | 100.1867 |
| *LCN2* | 2.185379 | 9.227042 | 6.202685 | 1.36004E-09 | 4.35065E-09 | 10.60684 |
| *SNTB1* | 2.186968 | 4.673702 | 10.91922 | 1.56877E-24 | 1.6694E-23 | 44.73039 |
| *RECQL4* | 2.189381 | 4.846391 | 11.40264 | 2.42876E-26 | 2.97838E-25 | 48.84886 |
| *UBE2C* | 2.194142 | 7.610902 | 16.27775 | 2.739E-46 | 1.34639E-44 | 94.38093 |
| *OLR1* | 2.19723 | 1.808108 | 12.11809 | 4.32191E-29 | 6.54261E-28 | 54.9619 |
| *ACSL6* | 2.205519 | 1.529241 | 10.56614 | 3.09873E-23 | 2.98703E-22 | 41.50783 |
| *STC1* | 2.211276 | 3.115637 | 10.8417 | 3.0339E-24 | 3.1681E-23 | 44.09374 |
| *IL23A* | 2.211834 | 2.537379 | 12.50753 | 1.27815E-30 | 2.19186E-29 | 58.57571 |
| *CDC25B* | 2.214786 | 6.760896 | 15.62 | 1.80829E-43 | 7.36208E-42 | 87.92958 |
| *ANLN* | 2.216419 | 4.769328 | 14.53546 | 6.92821E-39 | 2.10314E-37 | 77.53369 |
| *ZC3HAV1L* | 2.218153 | 3.679583 | 13.87484 | 3.82663E-36 | 9.66601E-35 | 71.29183 |
| *RAET1L* | 2.231136 | 1.31331 | 15.05288 | 4.62815E-41 | 1.63098E-39 | 82.28157 |
| *GTF2IRD1* | 2.232274 | 5.05831 | 17.21776 | 2.33386E-50 | 1.52965E-48 | 103.7893 |
| *EREG* | 2.238633 | 3.643094 | 4.650618 | 4.47413E-06 | 1.0189E-05 | 3.043862 |
| *ADAMTS2* | 2.248437 | 3.785337 | 8.033084 | 1.02536E-14 | 5.03172E-14 | 22.44592 |
| *KIAA1549* | 2.251703 | 2.707732 | 18.58516 | 2.45769E-56 | 2.21486E-54 | 117.4789 |
| *ACAN* | 2.256147 | 1.424461 | 23.82026 | 2.6909E-79 | 9.90653E-77 | 170.0951 |
| *ZIC2* | 2.256558 | 1.280535 | 9.708783 | 3.43384E-20 | 2.62553E-19 | 34.49349 |
| *MACC1* | 2.25831 | 4.210025 | 11.35807 | 3.58065E-26 | 4.33561E-25 | 48.50513 |
| *HILPDA* | 2.258799 | 5.439984 | 13.27905 | 1.04038E-33 | 2.19532E-32 | 65.64839 |
| *TLX1* | 2.258897 | 1.467177 | 15.94336 | 7.48728E-45 | 3.40927E-43 | 90.99966 |
| *TIMP1* | 2.260582 | 9.074251 | 16.65136 | 6.68524E-48 | 3.68391E-46 | 98.07541 |
| *CXCL2* | 2.267104 | 5.058303 | 7.288401 | 1.63177E-12 | 6.69699E-12 | 17.37898 |
| *UNC5CL* | 2.27169 | 3.698966 | 9.347131 | 5.93672E-19 | 4.12708E-18 | 32.06757 |
| *LGR5* | 2.277469 | 4.799887 | 5.854634 | 9.82252E-09 | 2.91425E-08 | 8.897276 |
| *RGS16* | 2.277655 | 4.373396 | 10.79648 | 4.4522E-24 | 4.59097E-23 | 43.72081 |
| *TMPRSS13* | 2.278978 | 2.061532 | 11.16228 | 1.95216E-25 | 2.2444E-24 | 46.63564 |
| *SMOX* | 2.279877 | 4.564023 | 12.60383 | 5.31119E-31 | 9.40629E-30 | 59.51714 |
| *MFAP2* | 2.286414 | 4.014838 | 9.085548 | 4.47121E-18 | 2.91176E-17 | 30.06895 |
| *PRSS33* | 2.289618 | 1.9313 | 8.775504 | 4.66589E-17 | 2.79937E-16 | 27.49368 |
| *SALL4* | 2.294741 | 1.294612 | 19.93184 | 2.94403E-62 | 3.8886E-60 | 130.9359 |
| *FAM150A* | 2.29934 | 1.717801 | 13.69815 | 2.03628E-35 | 4.91406E-34 | 69.40979 |
| *SLC7A11* | 2.303041 | 2.632415 | 12.88367 | 4.07259E-32 | 7.71829E-31 | 61.9988 |
| *PKP1* | 2.303074 | 1.81734 | 11.946 | 2.01544E-28 | 2.87496E-27 | 53.40634 |
| *HOXB8* | 2.318272 | 5.140211 | 6.200979 | 1.37358E-09 | 4.39073E-09 | 10.77991 |
| *ARNTL2* | 2.320919 | 3.398468 | 13.60577 | 4.86523E-35 | 1.12544E-33 | 68.76088 |
| *DBNDD1* | 2.321655 | 3.770929 | 10.48222 | 6.24738E-23 | 5.86535E-22 | 41.12406 |
| *NXPH4* | 2.343514 | 1.584659 | 10.14837 | 9.8489E-22 | 8.43224E-21 | 38.06096 |
| *SLC35D3* | 2.343963 | 1.885027 | 9.599746 | 8.16583E-20 | 6.07191E-19 | 33.74994 |
| *WISP1* | 2.345739 | 2.39317 | 15.225 | 8.64977E-42 | 3.16421E-40 | 84.11139 |
| *PPM1H* | 2.34956 | 4.255394 | 14.19259 | 1.85824E-37 | 5.1445E-36 | 74.28915 |
| *GRHL3* | 2.351642 | 1.72192 | 16.69462 | 4.34433E-48 | 2.44058E-46 | 98.45512 |
| *KRT7* | 2.354939 | 2.111894 | 11.76949 | 9.67235E-28 | 1.31263E-26 | 51.90051 |
| *BMP7* | 2.359485 | 3.484762 | 5.650107 | 3.00882E-08 | 8.49707E-08 | 7.861409 |
| *RNF183* | 2.367037 | 1.938305 | 15.58561 | 2.53474E-43 | 1.02235E-41 | 87.55552 |
| *KLHL35* | 2.372766 | 1.768272 | 16.21821 | 4.94162E-46 | 2.38175E-44 | 93.74204 |
| *NANOS3* | 2.372773 | 1.866857 | 11.42007 | 2.08635E-26 | 2.57674E-25 | 48.79785 |
| *SLC6A14* | 2.382438 | 2.468202 | 8.015563 | 1.15991E-14 | 5.67266E-14 | 22.15582 |
| *TEAD4* | 2.383786 | 5.238602 | 19.02919 | 2.75594E-58 | 2.83845E-56 | 121.9506 |
| *DDN* | 2.398398 | 1.425689 | 21.14103 | 1.40456E-67 | 2.53158E-65 | 143.1637 |
| *MMP10* | 2.407047 | 2.071819 | 11.18059 | 1.66682E-25 | 1.92659E-24 | 46.77188 |
| *SERPINE1* | 2.416811 | 4.719106 | 7.933123 | 2.06667E-14 | 9.87832E-14 | 21.71813 |
| *SLC17A9* | 2.43006 | 4.395989 | 7.843667 | 3.84942E-14 | 1.79532E-13 | 21.12973 |
| *KLK7* | 2.433934 | 1.286407 | 11.13929 | 2.37984E-25 | 2.71446E-24 | 46.25697 |
| *ULBP2* | 2.437788 | 1.718314 | 15.43927 | 1.06459E-42 | 4.15815E-41 | 86.07492 |
| *GJB4* | 2.439398 | 1.710096 | 15.25116 | 6.7009E-42 | 2.46693E-40 | 84.2433 |
| *COL1A1* | 2.440432 | 8.979446 | 8.946484 | 1.28854E-17 | 8.12525E-17 | 28.78083 |
| *GDPD5* | 2.44199 | 3.176464 | 10.83551 | 3.19769E-24 | 3.33111E-23 | 44.01977 |
| *HS6ST2* | 2.443722 | 2.476431 | 8.065422 | 8.16269E-15 | 4.0358E-14 | 22.48928 |
| *NEBL* | 2.448339 | 4.30789 | 13.58854 | 5.72199E-35 | 1.31834E-33 | 68.60043 |
| *IL11* | 2.449161 | 1.663683 | 14.32138 | 5.41783E-38 | 1.54694E-36 | 75.27326 |
| *MEX3A* | 2.456378 | 2.658097 | 12.80677 | 8.26746E-32 | 1.53819E-30 | 61.28168 |
| *BGN* | 2.456975 | 7.785507 | 10.00272 | 3.22769E-21 | 2.66073E-20 | 36.9935 |
| *CELSR1* | 2.465032 | 3.135667 | 13.34472 | 5.63398E-34 | 1.21401E-32 | 66.29742 |
| *ANKRD13B* | 2.46689 | 3.593765 | 13.32397 | 6.83992E-34 | 1.46112E-32 | 66.1385 |
| *EGFL6* | 2.467551 | 1.925156 | 19.64807 | 5.22412E-61 | 6.3657E-59 | 128.1217 |
| *FAP* | 2.468773 | 2.016436 | 15.09611 | 3.03855E-41 | 1.07738E-39 | 82.79119 |
| *TRIP13* | 2.494284 | 4.530543 | 17.1516 | 4.52624E-50 | 2.91143E-48 | 103.1463 |
| *TMEM211* | 2.494363 | 2.625158 | 8.208219 | 2.95924E-15 | 1.51805E-14 | 23.49598 |
| *SFRP4* | 2.497303 | 3.912014 | 5.390013 | 1.19279E-07 | 3.1757E-07 | 6.535592 |
| *SLC6A20* | 2.500798 | 2.843065 | 8.243946 | 2.29138E-15 | 1.1867E-14 | 23.78598 |
| *TMEM74B* | 2.528226 | 2.777253 | 10.74454 | 6.90967E-24 | 6.99169E-23 | 43.17756 |
| *TDGF1* | 2.539534 | 3.477246 | 7.031958 | 8.60057E-12 | 3.32178E-11 | 15.80599 |
| *FJX1* | 2.551539 | 2.556768 | 19.29772 | 1.81772E-59 | 2.02917E-57 | 124.6341 |
| *PPBP* | 2.556568 | 2.05855 | 7.35386 | 1.06009E-12 | 4.42473E-12 | 17.57434 |
| *POU5F1B* | 2.557745 | 1.726132 | 15.69203 | 8.90848E-44 | 3.67884E-42 | 88.5296 |
| *MTHFD1L* | 2.558197 | 4.912103 | 22.1405 | 5.74617E-72 | 1.29125E-69 | 153.2805 |
| *FUT1* | 2.562512 | 2.633346 | 19.23167 | 3.54838E-59 | 3.91068E-57 | 123.9713 |
| *VSNL1* | 2.564264 | 4.214607 | 8.789014 | 4.21732E-17 | 2.54525E-16 | 27.85546 |
| *TMEM132A* | 2.571393 | 3.961676 | 14.00971 | 1.06277E-36 | 2.78623E-35 | 72.56311 |
| *STRA6* | 2.594151 | 1.584634 | 16.28685 | 2.50247E-46 | 1.2407E-44 | 94.35774 |
| *PLEKHN1* | 2.608128 | 2.15004 | 21.69255 | 5.29989E-70 | 1.04209E-67 | 148.7777 |
| *PSAT1* | 2.622208 | 6.166559 | 11.96285 | 1.73411E-28 | 2.47978E-27 | 53.67418 |
| *DUSP4* | 2.637514 | 3.481003 | 7.57026 | 2.49702E-13 | 1.09493E-12 | 19.26511 |
| *REG1B* | 2.641308 | 2.496969 | 5.707284 | 2.20736E-08 | 6.3214E-08 | 7.916127 |
| *SMKR1* | 2.651869 | 2.005371 | 16.78356 | 1.7901E-48 | 1.02904E-46 | 99.33626 |
| *NFE2L3* | 2.672694 | 6.493777 | 22.06677 | 1.20941E-71 | 2.6158E-69 | 152.5647 |
| *PHLDA1* | 2.679208 | 5.560596 | 11.78527 | 8.41008E-28 | 1.14763E-26 | 52.16263 |
| *SLC4A11* | 2.684596 | 2.173226 | 15.27583 | 5.26604E-42 | 1.95533E-40 | 84.5211 |
| *COL7A1* | 2.685696 | 2.859973 | 13.55778 | 7.64241E-35 | 1.75148E-33 | 68.2207 |
| *HAGHL* | 2.694377 | 2.52388 | 15.23861 | 7.57418E-42 | 2.77661E-40 | 84.20964 |
| *PRR36* | 2.701773 | 2.072653 | 16.10383 | 1.53333E-45 | 7.19003E-44 | 92.61069 |
| *ADAM12* | 2.708792 | 2.089162 | 16.14105 | 1.06097E-45 | 5.04338E-44 | 92.98579 |
| *SRPX2* | 2.709799 | 4.648454 | 7.65264 | 1.42864E-13 | 6.40079E-13 | 19.83956 |
| *TNFRSF12A* | 2.714406 | 6.390968 | 17.82719 | 5.13527E-53 | 3.84656E-51 | 109.8458 |
| *TNFSF9* | 2.729143 | 3.248622 | 8.616844 | 1.5175E-16 | 8.70026E-16 | 26.50193 |
| *AZGP1* | 2.736979 | 5.885192 | 8.889657 | 1.97977E-17 | 1.22825E-16 | 28.48603 |
| *C2orf70* | 2.762099 | 2.428573 | 17.21132 | 2.48934E-50 | 1.6254E-48 | 103.6441 |
| *DKK4* | 2.777115 | 1.681882 | 11.46328 | 1.43057E-26 | 1.79631E-25 | 49.05638 |
| *MSX1* | 2.781511 | 2.873912 | 13.75151 | 1.23E-35 | 3.00178E-34 | 70.02036 |
| *ATHL1* | 2.788165 | 4.904606 | 8.529097 | 2.89549E-16 | 1.62664E-15 | 25.93396 |
| *CXCL11* | 2.790918 | 3.625124 | 7.037144 | 8.31993E-12 | 3.21986E-11 | 15.82605 |
| *ADAMTS12* | 2.791879 | 2.455574 | 19.19061 | 5.37736E-59 | 5.77916E-57 | 123.5285 |
| *SLC6A6* | 2.816011 | 5.181697 | 12.42977 | 2.59184E-30 | 4.30389E-29 | 57.93633 |
| *LRP8* | 2.817658 | 2.701831 | 25.39279 | 4.40996E-86 | 2.46147E-83 | 185.6838 |
| *MYEOV* | 2.83837 | 4.081956 | 7.804404 | 5.04976E-14 | 2.33314E-13 | 20.87411 |
| *APLN* | 2.843543 | 2.906034 | 17.34421 | 6.57216E-51 | 4.42483E-49 | 105.0137 |
| *PABPC1L* | 2.852034 | 3.626018 | 10.73232 | 7.66112E-24 | 7.71597E-23 | 43.16275 |
| *CYP2W1* | 2.894573 | 3.782507 | 5.046874 | 6.77082E-07 | 1.67341E-06 | 4.82759 |
| *SCD* | 2.901522 | 7.912116 | 15.12213 | 2.35837E-41 | 8.39649E-40 | 83.07019 |
| *LEMD1* | 2.909797 | 1.834645 | 17.39829 | 3.82087E-51 | 2.58252E-49 | 105.4052 |
| *MAPK15* | 2.917442 | 2.211909 | 17.2655 | 1.44665E-50 | 9.5906E-49 | 104.1301 |
| *CXCL1* | 2.977619 | 6.885071 | 10.56689 | 3.07942E-23 | 2.97008E-22 | 41.65399 |
| *SULT2B1* | 2.992721 | 4.396557 | 10.08072 | 1.71154E-21 | 1.43971E-20 | 37.8471 |
| *CCNO* | 2.996891 | 3.909875 | 13.56572 | 7.09214E-35 | 1.62969E-33 | 68.37535 |
| *TGFBI* | 3.004586 | 8.177308 | 14.24566 | 1.11875E-37 | 3.12726E-36 | 74.64356 |
| *CBX2* | 3.007418 | 2.791549 | 18.82801 | 2.10995E-57 | 2.02958E-55 | 119.8822 |
| *AJUBA* | 3.008757 | 3.577594 | 24.65902 | 6.30961E-83 | 3.11929E-80 | 178.396 |
| *SIM2* | 3.038239 | 2.3173 | 20.61049 | 3.03063E-65 | 4.81092E-63 | 137.8301 |
| *S100P* | 3.038243 | 8.729495 | 12.59957 | 5.52159E-31 | 9.76893E-30 | 59.31146 |
| *CST2* | 3.052692 | 1.998501 | 17.23415 | 1.98045E-50 | 1.30295E-48 | 103.7682 |
| *DUSP27* | 3.059335 | 2.192213 | 8.314224 | 1.38235E-15 | 7.299E-15 | 24.02892 |
| *CXCL3* | 3.063507 | 5.38969 | 9.525129 | 1.47218E-19 | 1.07436E-18 | 33.40556 |
| *MLXIPL* | 3.064695 | 4.265883 | 9.923771 | 6.11656E-21 | 4.94787E-20 | 36.58448 |
| *SPTBN2* | 3.066569 | 3.544363 | 17.20753 | 2.58552E-50 | 1.68185E-48 | 103.6833 |
| *SPP1* | 3.097758 | 6.186293 | 6.535444 | 1.89046E-10 | 6.5355E-10 | 12.67994 |
| *REG3A* | 3.120753 | 4.033212 | 4.051843 | 6.08214E-05 | 0.000122972 | 0.51285 |
| *CNTD2* | 3.12822 | 2.430765 | 16.5566 | 1.71698E-47 | 9.19779E-46 | 97.07488 |
| *EVA1A* | 3.156211 | 3.059475 | 16.41258 | 7.1863E-47 | 3.71178E-45 | 95.73892 |
| *SP5* | 3.168612 | 3.678589 | 9.990786 | 3.55594E-21 | 2.92158E-20 | 37.04454 |
| *SLC7A5* | 3.169395 | 6.758314 | 17.8065 | 6.32357E-53 | 4.69599E-51 | 109.6406 |
| *STC2* | 3.206758 | 3.106202 | 13.40413 | 3.23157E-34 | 7.08693E-33 | 66.74678 |
| *PRR7* | 3.211206 | 3.862868 | 13.72672 | 1.55472E-35 | 3.77829E-34 | 69.86098 |
| *HTR1D* | 3.212925 | 2.761271 | 15.24701 | 6.97772E-42 | 2.56339E-40 | 84.24706 |
| *S100A2* | 3.215502 | 3.375271 | 12.58291 | 6.42922E-31 | 1.12824E-29 | 59.23393 |
| *RHPN1* | 3.230284 | 4.046977 | 14.01147 | 1.04517E-36 | 2.74424E-35 | 72.56023 |
| *KRT6B* | 3.24965 | 2.446235 | 12.09966 | 5.09917E-29 | 7.69903E-28 | 54.71328 |
| *C17orf96* | 3.278434 | 3.313496 | 20.24277 | 1.25943E-63 | 1.84678E-61 | 134.1764 |
| *GDF15* | 3.291729 | 7.691878 | 14.91878 | 1.70323E-40 | 5.77861E-39 | 81.11505 |
| *FOSL1* | 3.305376 | 4.113583 | 11.30396 | 5.7304E-26 | 6.87497E-25 | 48.01979 |
| *PCSK9* | 3.306947 | 4.832428 | 10.22075 | 5.44003E-22 | 4.74679E-21 | 38.97922 |
| *TNS4* | 3.308102 | 5.959225 | 11.06101 | 4.66503E-25 | 5.19765E-24 | 45.91126 |
| *CXCL5* | 3.317793 | 2.893409 | 9.489912 | 1.94239E-19 | 1.40155E-18 | 32.9113 |
| *XXbac-BPG32J3.19* | 3.343272 | 2.581551 | 9.734964 | 2.78653E-20 | 2.14959E-19 | 34.75164 |
| *CTHRC1* | 3.395651 | 5.081925 | 10.20966 | 5.9589E-22 | 5.18125E-21 | 38.88523 |
| *ASCL2* | 3.431526 | 6.862465 | 9.359595 | 5.3873E-19 | 3.75721E-18 | 32.01556 |
| *TACSTD2* | 3.464222 | 4.210795 | 7.263219 | 1.92482E-12 | 7.8587E-12 | 17.25103 |
| *NKD1* | 3.465651 | 3.816785 | 8.751122 | 5.5982E-17 | 3.33905E-16 | 27.46484 |
| *CEL* | 3.479652 | 3.253125 | 8.053996 | 8.84831E-15 | 4.36065E-14 | 22.34522 |
| *SLCO4A1* | 3.48844 | 5.541791 | 16.8261 | 1.17105E-48 | 6.98715E-47 | 99.91108 |
| *CGREF1* | 3.490963 | 4.013144 | 14.5482 | 6.12853E-39 | 1.88018E-37 | 77.64026 |
| *SERPINB5* | 3.507098 | 4.745688 | 7.526682 | 3.34914E-13 | 1.45312E-12 | 19.01479 |
| *SFTA2* | 3.518955 | 2.349897 | 16.62711 | 8.51067E-48 | 4.64543E-46 | 97.70631 |
| *MDFI* | 3.528748 | 3.905535 | 18.44375 | 1.02542E-55 | 8.91598E-54 | 116.0558 |
| *VWA2* | 3.561561 | 3.909398 | 13.15759 | 3.22458E-33 | 6.57185E-32 | 64.52844 |
| *EPHX4* | 3.603145 | 3.045923 | 21.0728 | 2.80272E-67 | 4.94852E-65 | 142.5195 |
| *CHI3L1* | 3.634547 | 4.059868 | 12.03066 | 9.46102E-29 | 1.3956E-27 | 54.32762 |
| *COMP* | 3.637491 | 2.810911 | 13.24984 | 1.36611E-33 | 2.87215E-32 | 65.18464 |
| *NKD2* | 3.672108 | 3.98052 | 12.25398 | 1.27228E-29 | 2.01412E-28 | 56.29784 |
| *KLK10* | 3.679221 | 3.931024 | 8.965709 | 1.11384E-17 | 7.06222E-17 | 29.04463 |
| *CXCL8* | 3.680762 | 5.827752 | 8.047135 | 9.28705E-15 | 4.56646E-14 | 22.50884 |
| *ESM1* | 3.690891 | 2.706309 | 34.51391 | 3.1652E-123 | 1.0954E-119 | 270.9916 |
| *FABP6* | 3.739344 | 3.870124 | 10.22958 | 5.05954E-22 | 4.42148E-21 | 38.90025 |
| *LY6G6D* | 3.749567 | 3.292653 | 7.933554 | 2.06045E-14 | 9.85132E-14 | 21.47286 |
| *KRT17* | 3.764073 | 3.516561 | 11.63206 | 3.25452E-27 | 4.26613E-26 | 50.69538 |
| *MMP11* | 3.772777 | 5.3642 | 10.75629 | 6.25615E-24 | 6.34967E-23 | 43.39667 |
| *TRIB3* | 3.798963 | 5.87312 | 16.78783 | 1.71546E-48 | 9.92729E-47 | 99.53076 |
| *TCN1* | 3.824042 | 2.9918 | 11.16017 | 1.98794E-25 | 2.28402E-24 | 46.48676 |
| *MSX2* | 3.837265 | 3.635854 | 14.46597 | 1.35217E-38 | 3.97901E-37 | 76.75765 |
| *C2CD4A* | 3.84597 | 3.787752 | 13.84494 | 5.08029E-36 | 1.27029E-34 | 70.88725 |
| *WNT2* | 3.846798 | 2.878287 | 29.34606 | 1.0818E-102 | 1.4399E-99 | 223.8364 |
| *TRIM29* | 3.899022 | 4.061453 | 13.22295 | 1.75524E-33 | 3.64159E-32 | 65.10918 |
| *COL11A1* | 3.925925 | 2.875053 | 19.30603 | 1.67097E-59 | 1.87746E-57 | 124.6093 |
| *MMP1* | 4.011368 | 6.12268 | 8.20852 | 2.95289E-15 | 1.51524E-14 | 23.63904 |
| *INHBA* | 4.045997 | 3.293086 | 23.53313 | 4.75973E-78 | 1.5838E-75 | 167.2396 |
| *TESC* | 4.115239 | 5.755881 | 10.0865 | 1.63267E-21 | 1.37604E-20 | 37.88764 |
| *CA9* | 4.141902 | 4.733432 | 8.01306 | 1.1805E-14 | 5.76848E-14 | 22.24044 |
| *COL10A1* | 4.180842 | 2.945059 | 16.36688 | 1.13124E-46 | 5.77401E-45 | 95.12237 |
| *REG1A* | 4.224475 | 5.766241 | 4.62217 | 5.0987E-06 | 1.15264E-05 | 2.910777 |
| *GYLTL1B* | 4.225698 | 4.791292 | 14.29473 | 6.99405E-38 | 1.98065E-36 | 75.23216 |
| *PRSS22* | 4.256089 | 4.536339 | 17.98894 | 1.00759E-53 | 7.88886E-52 | 111.4888 |
| *PDX1* | 4.268888 | 4.018791 | 20.96892 | 8.02506E-67 | 1.4026E-64 | 141.4958 |
| *GRIN2D* | 4.315619 | 4.17793 | 20.07853 | 6.65545E-63 | 9.43929E-61 | 132.5109 |
| *MMP3* | 4.498417 | 4.761591 | 10.35187 | 1.84476E-22 | 1.66509E-21 | 39.95057 |
| *CPNE7* | 4.519233 | 4.168582 | 17.43005 | 2.77827E-51 | 1.91523E-49 | 105.8315 |
| *NOTUM* | 4.567938 | 3.462821 | 12.47057 | 1.789E-30 | 3.01413E-29 | 57.97991 |
| *KLK6* | 4.659775 | 3.408292 | 15.7052 | 7.82565E-44 | 3.25498E-42 | 88.59258 |
| *KRT23* | 4.778859 | 4.231053 | 10.8447 | 2.95758E-24 | 3.09028E-23 | 43.88535 |
| *C6orf223* | 4.880388 | 4.374547 | 25.33023 | 8.17855E-86 | 4.4223E-83 | 185.0765 |
| *CLDN1* | 4.889119 | 5.92993 | 19.00305 | 3.59039E-58 | 3.65439E-56 | 121.6884 |
| *CEMIP* | 4.943282 | 5.321621 | 18.67047 | 1.03774E-56 | 9.55103E-55 | 118.3396 |
| *DPEP1* | 5.18582 | 6.754818 | 8.913822 | 1.64967E-17 | 1.03138E-16 | 28.77602 |
| *KRT80* | 5.248815 | 4.307358 | 32.08803 | 9.1635E-114 | 2.6426E-110 | 249.2615 |
| *ETV4* | 5.333987 | 6.222023 | 24.01726 | 3.76126E-80 | 1.47912E-77 | 171.9929 |
| *CLDN2* | 5.600774 | 5.804832 | 10.9992 | 7.92365E-25 | 8.65003E-24 | 45.34807 |
| *CDH3* | 5.689536 | 5.182775 | 36.44091 | 1.6316E-130 | 7.0581E-127 | 287.5797 |
| *FOXQ1* | 5.775067 | 5.617969 | 22.29982 | 1.15185E-72 | 2.65741E-70 | 154.9069 |
| *MMP7* | 5.779031 | 4.973414 | 16.59583 | 1.16198E-47 | 6.26348E-46 | 97.46691 |
| *CST1* | 5.93086 | 4.955619 | 17.30594 | 9.64595E-51 | 6.42332E-49 | 104.5068 |