

Supplementary Table 8: Limma differential expression for proteomics data

Health-conscious vs Omnivore

| | logFC | AveExpr | t | P.Value | adj.P.Val | B | protein_type |
|----------|-------------|-------------|-------------|--------------|--------------|-------------|--------------|
| LEP | -0.31393858 | -0.17409801 | -14.9368917 | 4.2723683661 | 1.2475315629 | 102.907714 | down |
| APCS | -0.10530101 | -0.08561453 | -13.7799842 | 6.0604024717 | 8.8481876087 | 86.63126599 | ns |
| CFH | -0.06874826 | -0.04566867 | -12.8292747 | 1.7940650014 | 1.7462232680 | 74.18468187 | ns |
| GHR | -0.07238536 | -0.02835094 | -11.5937799 | 5.9870165991 | 4.3705221173 | 59.3688597 | ns |
| CFI | -0.05039995 | -0.0294017 | -11.496479 | 1.8262666735 | 1.0665397373 | 58.26804843 | ns |
| HGF | -0.0887776 | -0.04313962 | -11.4416886 | 3.4190665349 | 1.6639457136 | 57.64963038 | ns |
| SERPINF1 | -0.06236418 | -0.03790164 | -11.1321889 | 1.1280133632 | 4.7054271723 | 54.2049789 | ns |
| FABP4 | -0.13832311 | -0.0562609 | -10.9125914 | 1.2645848923 | 4.6157348570 | 51.82219129 | down |
| RARRES2 | -0.11859941 | -0.0752127 | -10.8821423 | 1.7657899375 | 5.7290073528 | 51.4941138 | ns |
| IL1RN | -0.13524294 | -0.00163616 | -10.7464012 | 7.6820575370 | 2.2431608008 | 50.04661203 | down |
| CD99L2 | -0.05479181 | -0.01799669 | -10.471208 | 1.4281200537 | 3.7910095972 | 47.16834913 | ns |
| CFB | -0.07267368 | -0.0487602 | -10.2567507 | 1.3276801387 | 3.1408269593 | 44.97563285 | ns |
| SSC4D | -0.27004079 | 0.095505149 | -10.2515852 | 1.3983133722 | 3.1408269593 | 44.92374118 | down |
| ORM1 | -0.04167374 | -0.00760453 | -10.2059765 | 2.2281577557 | 4.6473004619 | 44.4638033 | ns |
| IL18R1 | -0.07396011 | -0.03755503 | -10.0952175 | 6.8729948272 | 1.3379429930 | 43.35451606 | ns |
| F9 | -0.04102981 | -0.02595323 | -10.0518494 | 1.0676461809 | 1.9484542803 | 42.9232888 | ns |
| FSTL3 | -0.06588597 | -0.0245828 | -10.0231457 | 1.4257566688 | 2.4489467488 | 42.63917694 | ns |
| OSM | -0.15736491 | -0.07276487 | -10.0001068 | 1.7974751655 | 2.9159041574 | 42.41127528 | down |
| SERPIND1 | -0.05794929 | -0.03243131 | -9.99001702 | 1.9851067267 | 3.0507956011 | 42.31212739 | ns |
| ADM | -0.06124972 | -0.05568744 | -9.8340568 | 9.3606152734 | 1.3666498299 | 40.78571354 | ns |
| CKB | 0.125943441 | 0.014531382 | 9.821192684 | 1.0631172753 | 1.4782392589 | 40.66126853 | ns |
| IGFBP2 | 0.14375176 | -0.02548447 | 9.773703331 | 1.6961047397 | 2.2511935636 | 40.20196405 | up |
| STC1 | -0.08724617 | -0.02194037 | -9.38454961 | 7.1770211131 | 9.1116963696 | 36.52069379 | ns |
| INHBC | -0.09074493 | -0.10462579 | -9.32562683 | 1.2506607840 | 1.5216372872 | 35.97715877 | ns |
| CPM | -0.07356868 | -0.0439586 | -9.29483591 | 1.6678238748 | 1.9480182858 | 35.693427 | ns |
| FURIN | -0.07279442 | -0.04240017 | -9.25460688 | 2.4270574857 | 2.7257722532 | 35.32528851 | ns |
| ADAMTS15 | -0.09148524 | -0.04762613 | -9.238886 | 2.8122369697 | 3.0413822043 | 35.18254429 | ns |
| BPIFB2 | -0.12394538 | 0.05996641 | -9.22006455 | 3.3450925086 | 3.4884536161 | 35.00976336 | ns |
| SEMA3F | -0.05297249 | -0.02214061 | -9.21227351 | 3.5997485891 | 3.6245744415 | 34.93999762 | ns |
| CLEC4D | -0.12197123 | -0.05301058 | -9.19714956 | 4.1397199751 | 4.0293274424 | 34.80181562 | ns |
| ITH4 | -0.04726545 | 0.006965556 | -9.14966126 | 6.4095565826 | 6.0373887810 | 34.37084208 | ns |
| TGFA | -0.08908901 | 0.008263632 | -9.13449906 | 7.3771606559 | 6.7316590985 | 34.23455928 | ns |
| NHLRC3 | -0.05859318 | -0.04392814 | -9.08300334 | 1.1879093887 | 1.0511198227 | 33.77606571 | ns |
| LILRA5 | -0.06491803 | -0.05301764 | -9.06951741 | 1.3383924051 | 1.1494428891 | 33.65107406 | ns |
| RTN4R | -0.06819992 | -0.03712188 | -8.89220369 | 6.6401486846 | 5.5397811883 | 32.07527708 | ns |
| NTRK3 | 0.042379584 | 0.014814134 | 8.881865565 | 7.2845792929 | 5.9086032043 | 31.98470647 | ns |
| LGALS9 | -0.06136941 | -0.04005442 | -8.75170823 | 2.3176199842 | 1.8290406362 | 30.85284385 | ns |
| SHBG | 0.094192974 | 0.033412638 | 8.696687039 | 3.7558439579 | 2.8860695676 | 30.37689099 | ns |
| DDC | 0.087644464 | 0.041972203 | 8.586204403 | 9.8453986252 | 7.3714266630 | 29.43495795 | ns |
| ASGR1 | -0.05634839 | -0.04427822 | -8.57187436 | 1.1145718193 | 8.1363742810 | 29.31348028 | ns |
| MPO | -0.08542623 | -0.00808592 | -8.49907647 | 2.0846302884 | 1.4846635225 | 28.69809744 | ns |
| CD300A | -0.04983107 | -0.01863664 | -8.47223103 | 2.6265279479 | 1.8260622876 | 28.47638822 | ns |
| BGLAP | -0.14400081 | -0.05549405 | -8.41068619 | 4.4281441397 | 3.0070188111 | 27.95801033 | down |
| GUCA2A | 0.056370907 | 0.007761604 | 8.275440622 | 1.3847174273 | 9.1894883811 | 26.84493536 | ns |
| GFRA1 | -0.04711645 | -0.0221911 | -8.26655173 | 1.4896899861 | 9.6664327992 | 26.76896505 | ns |
| CST3 | -0.04729642 | -0.04064463 | -8.17266432 | 3.2506326462 | 2.0634450710 | 26.00850251 | ns |
| TNFRSF1A | -0.04785216 | -0.02483846 | -8.1447195 | 4.0916214996 | 2.5420286763 | 25.78222084 | ns |
| CDHR5 | -0.07051791 | -0.06542682 | -8.07150389 | 7.4563852606 | 4.5359677002 | 25.19622574 | ns |
| CLMP | -0.03739035 | -0.01790542 | -8.0413379 | 9.5232828622 | 5.6750991750 | 24.95226647 | ns |
| CNTN3 | -0.05769752 | -0.041332 | -8.03238018 | 1.0249064286 | 5.9854535431 | 24.88351515 | ns |
| FAM20A | -0.04631034 | -0.04298675 | -8.02897765 | 1.0530482520 | 6.0292174430 | 24.85479414 | ns |
| EZR | -0.04281365 | -0.02376248 | -7.99728536 | 1.3611585994 | 7.6434290583 | 24.60312389 | ns |
| CSF1 | -0.04435398 | -0.0134698 | -7.95452347 | 1.9224215322 | 1.0591454479 | 24.26751112 | ns |
| IGFBP1 | 0.227280632 | 0.008823951 | 7.945157548 | 2.0721410327 | 1.1204910769 | 24.19271774 | up |
| C3 | -0.07682246 | -0.00887647 | -7.94179333 | 2.1369942660 | 1.1345496830 | 24.17932998 | ns |
| MFAP5 | -0.07038582 | -0.03717505 | -7.92641023 | 2.4083063820 | 1.2557597563 | 24.0450956 | ns |
| CHCHD10 | -0.06137828 | -0.04371587 | -7.89756345 | 3.0337835484 | 1.5541487651 | 23.81974174 | ns |
| AMBAP | -0.03306156 | -0.03425718 | -7.86656454 | 3.8844063612 | 1.9555976853 | 23.5772611 | ns |
| CEACAM8 | -0.08207342 | -0.03628282 | -7.8608892 | 4.0712115945 | 2.0149047213 | 23.53966978 | ns |
| ITGA5 | -0.04235312 | -0.02706417 | -7.84087405 | 4.7665831645 | 2.3197371400 | 23.38001839 | ns |
| RETN | -0.06857596 | -0.01707067 | -7.81955649 | 5.6463916113 | 2.7028628696 | 23.21712479 | ns |
| A1BG | -0.02722322 | -0.02054699 | -7.8156026 | 5.8199391592 | 2.7410036040 | 23.18261308 | ns |

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|---------|-------------|-------------|-------------|--------------|--------------|-------------|------|
| PGLYRP1 | -0.07051884 | -0.00844634 | -7.79797117 | 6.6917435033 | 3.1015700047 | 23.0476259 | ns |
| VWC2 | -0.0641688 | -0.04137541 | -7.78224611 | 7.5814397425 | 3.4590318825 | 22.92963677 | ns |
| RNASE6 | -0.04311633 | -0.02731617 | -7.76797521 | 8.4774063110 | 3.8083117581 | 22.81783035 | ns |
| PALM2 | -0.05969522 | -0.01341872 | -7.75175438 | 9.6236640817 | 4.2577422906 | 22.69093416 | ns |
| RELT | -0.04343376 | -0.03067685 | -7.73984852 | 1.0570644526 | 4.6069077639 | 22.60137615 | ns |
| CCL22 | -0.08587767 | -0.04447282 | -7.73266253 | 1.1190561279 | 4.8053586672 | 22.54988038 | ns |
| PZP | -0.08448365 | 0.208852998 | -7.69589583 | 1.4894843766 | 6.3033251880 | 22.2639796 | ns |
| MMP9 | -0.10208809 | -0.07186344 | -7.67269845 | 1.7852183582 | 7.4450397324 | 22.08990524 | ns |
| SLC39A5 | -0.08897319 | -0.06035542 | -7.6708975 | 1.8102665102 | 7.4450397324 | 22.07577862 | ns |
| LCAT | -0.03566743 | -0.02928045 | -7.66860173 | 1.8419009668 | 7.4699316989 | 22.05701884 | ns |
| NOMO1 | -0.04019137 | -0.02945913 | -7.66197661 | 1.9398938489 | 7.7595753958 | 22.00802533 | ns |
| PLAT | -0.08842021 | -0.09331766 | -7.65739387 | 2.0095057044 | 7.9294008878 | 21.97225623 | ns |
| MZB1 | -0.08309904 | -0.05932045 | -7.65282808 | 2.0823537768 | 8.1072973712 | 21.93869216 | ns |
| LCN2 | -0.06023072 | -0.01664785 | -7.64749102 | 2.1756044125 | 8.3589011641 | 21.9078972 | ns |
| BMP10 | 0.044115562 | 0.01137317 | 7.634811092 | 2.3962023846 | 9.0868973549 | 21.80720042 | ns |
| TGFBR2 | -0.04803128 | -0.01406392 | -7.57195034 | 3.8842923612 | 1.4541197044 | 21.32867945 | ns |
| F7 | -0.04957172 | -0.03198176 | -7.56539351 | 4.0862997683 | 1.5103791548 | 21.28149458 | ns |
| GGH | -0.05826794 | -0.04112374 | -7.52514998 | 5.5641960303 | 2.0309315510 | 20.98535171 | ns |
| CCN5 | -0.06425045 | -0.03328942 | -7.52054335 | 5.7560077636 | 2.0750052678 | 20.94559285 | ns |
| SIT1 | -0.09088575 | -0.022559 | -7.50586623 | 6.4425307218 | 2.2941694765 | 20.84149255 | ns |
| PALM | -0.04426399 | -0.01213568 | -7.49974319 | 6.7433785709 | 2.3723693285 | 20.79162651 | ns |
| C1RL | -0.02998284 | -0.02239994 | -7.48645148 | 7.4572519631 | 2.5922828252 | 20.69101421 | ns |
| CRIP2 | -0.06000811 | -0.04293681 | -7.48354245 | 7.6286216158 | 2.6206558962 | 20.67264377 | ns |
| PAG1 | -0.08889989 | -0.01126442 | -7.4568148 | 9.3464237256 | 3.1734368929 | 20.47811829 | ns |
| CANT1 | -0.0317409 | -0.01148163 | -7.42297022 | 1.2054429608 | 4.0458545351 | 20.22546265 | ns |
| IL6 | -0.11872306 | -0.00484653 | -7.39513972 | 1.4858070045 | 4.9033141952 | 20.02154581 | ns |
| ADAM8 | -0.04481302 | -0.02241135 | -7.39427988 | 1.4945032992 | 4.9033141952 | 20.01155885 | ns |
| RNASE4 | -0.039312 | -0.03006874 | -7.37662527 | 1.7088435681 | 5.5442480212 | 19.89167766 | ns |
| CLEC6A | -0.07353688 | -0.02380811 | -7.37406454 | 1.7413018542 | 5.5874740816 | 19.87126327 | ns |
| SNCG | -0.10811062 | -0.09860755 | -7.33883065 | 2.2631712760 | 7.1831088326 | 19.61125552 | ns |
| BOC | 0.037186632 | 0.00589777 | 7.317863261 | 2.6466492068 | 8.3099093375 | 19.4623676 | ns |
| COLEC12 | -0.03970365 | -0.03369293 | -7.28758812 | 3.3094449392 | 1.0280403428 | 19.2398787 | ns |
| GPD1 | -0.08078794 | 0.002666076 | -7.26847774 | 3.8096207295 | 1.1709571084 | 19.09920094 | ns |
| OXT | -0.2262838 | 0.000105097 | -7.1493131 | 9.1104960233 | 2.7711092070 | 18.247644 | down |
| IGSF9 | -0.12628387 | -0.0458287 | -7.14515908 | 9.3898686174 | 2.8266408621 | 18.21881651 | ns |
| RNASE1 | -0.03366809 | -0.01455021 | -7.14340653 | 9.5102660424 | 2.8336711065 | 18.20716174 | ns |
| CDHR2 | -0.12116805 | -0.17423928 | -7.13814648 | 9.8851175796 | 2.9156104376 | 18.17311 | ns |
| DDT | -0.06057242 | 0.017563997 | -7.10615287 | 1.2452742465 | 3.6362007998 | 17.94388761 | ns |
| GUSB | -0.09365998 | -0.04504515 | -7.10253766 | 1.2784472231 | 3.6961048432 | 17.91990209 | ns |
| COL6A3 | -0.04971354 | -0.03672984 | -7.0878987 | 1.4203174090 | 4.0660067003 | 17.81503226 | ns |
| PGF | -0.03638396 | -0.02196675 | -7.08384011 | 1.4623423797 | 4.1456696591 | 17.78624545 | ns |
| SFRP1 | -0.06518951 | -0.05033451 | -7.0821585 | 1.4814838862 | 4.1595509114 | 17.78081905 | ns |
| VSIG4 | -0.05957065 | -0.04366268 | -7.06059553 | 1.7289219578 | 4.8080496352 | 17.62640794 | ns |
| LILRB4 | -0.06518645 | -0.03482651 | -7.02553097 | 2.2236714116 | 6.1053655036 | 17.3875893 | ns |
| YAP1 | -0.03709568 | -0.01888789 | -7.02375766 | 2.2496121810 | 6.1053655036 | 17.36745968 | ns |
| CLEC4G | -0.05093279 | -0.01516147 | -7.02328493 | 2.2581488849 | 6.1053655036 | 17.3664057 | ns |
| CD83 | -0.04916672 | -0.0265991 | -7.01884109 | 2.3308975858 | 6.2442394044 | 17.33551491 | ns |
| PLTP | 0.05501556 | 0.006951874 | 7.000414872 | 2.6571513089 | 7.0535289291 | 17.20619755 | ns |
| PON3 | 0.042475101 | 0.001823046 | 6.985257754 | 2.9596595078 | 7.7857709575 | 17.10196473 | ns |
| LDLR | -0.08353745 | -0.04661866 | -6.96387989 | 3.4440473496 | 8.9791234473 | 16.95416338 | ns |
| RBP7 | -0.08598111 | 0.042330818 | -6.95687438 | 3.6186422304 | 9.3508277106 | 16.90516704 | ns |
| LGALS1 | -0.05013377 | -0.03511353 | -6.93455813 | 4.2380084830 | 1.0855249798 | 16.7547188 | ns |
| CA14 | 0.053839149 | 0.057241502 | 6.922334501 | 4.6166999562 | 1.1722403367 | 16.66595345 | ns |
| DPT | -0.04117202 | -0.06173397 | -6.91001832 | 5.0345747412 | 1.2673239865 | 16.58226433 | ns |
| VEGFB | -0.04025599 | -0.0276868 | -6.88525472 | 5.9969374459 | 1.4966715677 | 16.42271471 | ns |
| RIDA | -0.07026283 | 0.006284974 | -6.87323595 | 6.5212393319 | 1.6137304109 | 16.33970491 | ns |
| SKAP1 | -0.11042308 | -0.01034146 | -6.84825982 | 7.7613563979 | 1.9044672841 | 16.16712405 | ns |
| GOLM2 | -0.03321434 | -0.02292632 | -6.83548255 | 8.4777433702 | 2.0629175534 | 16.07471757 | ns |
| DSG2 | 0.039182433 | 0.024864908 | 6.813761071 | 9.8612672097 | 2.3797438225 | 15.93092382 | ns |
| COL4A1 | 0.058382563 | 0.018352175 | 6.807162967 | 1.0324174673 | 2.4710319711 | 15.88800586 | ns |
| NOS3 | -0.07608106 | -0.03188146 | -6.78935442 | 1.1684626701 | 2.7739113795 | 15.77257371 | ns |
| FGA | -0.04264903 | -0.01775554 | -6.77189463 | 1.3179716330 | 3.1036106196 | 15.65478685 | ns |
| FCAMR | -0.10021236 | -0.02923245 | -6.74274458 | 1.6091835030 | 3.7514223681 | 15.45177707 | ns |
| CRELD1 | -0.05127048 | -0.04364029 | -6.74199419 | 1.6187644465 | 3.7514223681 | 15.45510183 | ns |
| GDF2 | 0.052132574 | 0.019448341 | 6.719252593 | 1.8910517132 | 4.3418301151 | 15.29923552 | ns |
| BAIAP2 | -0.09167438 | -0.01061989 | -6.71840081 | 1.9032679956 | 4.3418301151 | 15.2982022 | ns |

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|----------|-------------|--------------|-------------|--------------|--------------|-------------|----|
| IGFBP4 | -0.05581948 | -0.04467782 | -6.70078474 | 2.1458427212 | 4.8572563922 | 15.17827966 | ns |
| CFP | -0.03094189 | -0.0121674 | -6.69412194 | 2.2442217623 | 5.0408673431 | 15.12839396 | ns |
| LRIG1 | -0.04915186 | -0.02725682 | -6.6658644 | 2.7200652377 | 6.0630461787 | 14.94111931 | ns |
| CCL16 | -0.07501758 | -0.12633205 | -6.66225238 | 2.7873959037 | 6.1660576052 | 14.91706507 | ns |
| MMP8 | -0.10553875 | -0.03214886 | -6.64868413 | 3.0561513184 | 6.7097457517 | 14.82792434 | ns |
| COL15A1 | -0.03443774 | -0.01423475 | -6.63335995 | 3.3900627566 | 7.3873009324 | 14.72746631 | ns |
| SSC5D | -0.06326399 | -0.05329165 | -6.6229667 | 3.6375739745 | 7.8679377820 | 14.66195997 | ns |
| COL18A1 | -0.03217347 | -0.03496446 | -6.60559321 | 4.0894490839 | 8.7802877390 | 14.54859282 | ns |
| APOA2 | 0.063496279 | -0.00634954 | 6.597330321 | 4.3220937588 | 9.2120538509 | 14.4919093 | ns |
| FRZB | -0.03676118 | -0.03604365 | -6.59496439 | 4.3938683659 | 9.2971707452 | 14.48175042 | ns |
| CD300C | -0.04715706 | -0.02114561 | -6.58851817 | 4.5854825161 | 9.6328121921 | 14.43292515 | ns |
| CD302 | -0.03977051 | -0.0288168 | -6.56592182 | 5.3377943366 | 1.1133113902 | 14.29071385 | ns |
| CREG1 | -0.05368223 | -0.00221972 | -6.5524097 | 5.8441911516 | 1.2102863945 | 14.20570773 | ns |
| CTSO | -0.0429205 | -0.0237383 | -6.54272833 | 6.2296163028 | 1.2786792458 | 14.13502068 | ns |
| ADAMTS8 | 0.06319738 | 0.03360228 | 6.541979081 | 6.2620250739 | 1.2786792458 | 14.13237463 | ns |
| FCN1 | -0.07359025 | -0.06135624 | -6.53118507 | 6.7290775197 | 1.3645073859 | 14.06255331 | ns |
| SERPINA3 | -0.01868434 | -0.00450974 | -6.49593527 | 8.5045845935 | 1.7126473802 | 13.83503356 | ns |
| AHNAK | -0.04215194 | -0.01915085 | -6.48969621 | 8.8694217713 | 1.7738843542 | 13.8026324 | ns |
| CD300E | -0.05542135 | -0.02326622 | -6.47391762 | 9.8371119643 | 1.9540385670 | 13.69200163 | ns |
| LAMP3 | -0.07283832 | -0.04649444 | -6.43374328 | 1.2814840355 | 2.5283333673 | 13.43494967 | ns |
| CFD | -0.02464755 | -0.01534626 | -6.41703402 | 1.4298988264 | 2.8022178344 | 13.32906318 | ns |
| CSF3R | -0.03607187 | -0.0081714 | -6.4013869 | 1.5853680602 | 3.0861831572 | 13.2397372 | ns |
| PLAUR | -0.03623183 | -0.03703801 | -6.36410005 | 2.0206893306 | 3.9075581758 | 13.00071659 | ns |
| IFI30 | -0.04951007 | -0.04655162 | -6.34318089 | 2.3147575185 | 4.4467710225 | 12.87001008 | ns |
| NPC2 | -0.03830631 | -0.03478036 | -6.32457006 | 2.6103140932 | 4.9817759165 | 12.75146148 | ns |
| PRCP | -0.04318492 | -0.04334977 | -6.31993826 | 2.6884691950 | 5.0976169153 | 12.71788744 | ns |
| CD22 | -0.05633676 | -0.00931444 | -6.31832721 | 2.7161281425 | 5.1168349524 | 12.7054334 | ns |
| SMOC1 | -0.0442805 | -0.05614878 | -6.31654809 | 2.7475431637 | 5.1428372040 | 12.69394416 | ns |
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| CXCL17 | -0.05065084 | -0.04873897 | -5.33434376 | 9.7234776252 | 1.1090841666 | 7.023137224 | ns |
| NCF2 | -0.09854042 | 0.06640549 | -5.31784208 | 1.0647973415 | 1.2098086526 | 6.940866244 | ns |
| ELOA | -0.06388591 | 0.022069614 | -5.29210069 | 1.2258775964 | 1.3874273572 | 6.806751866 | ns |
| MEGF9 | -0.02376545 | -0.00403363 | -5.27850815 | 1.3200179649 | 1.4882055821 | 6.731617961 | ns |
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| S100A12 | -0.08441179 | -0.022183 | -5.19480062 | 2.0759549570 | 2.2534529645 | 6.30394902 | ns |
| NBL1 | -0.02713684 | -0.01560759 | -5.19373118 | 2.0874082738 | 2.2561388848 | 6.29186246 | ns |
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| CALCA | -0.06582715 | 0.02962224 | -5.05067447 | 4.4534083548 | 4.5359954875 | 5.570318518 | ns |
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| SELE | -0.05569116 | -0.10645912 | -4.90744378 | 9.3207929391 | 8.7513554284 | 4.855708587 | ns |
| PI3 | -0.05588973 | -0.03348576 | -4.90607531 | 9.3885058386 | 8.7866785413 | 4.860738536 | ns |
| THBS4 | -0.04833387 | -0.02449886 | -4.89875386 | 9.7432899233 | 9.0895867655 | 4.81909933 | ns |
| FCN2 | -0.04448853 | -0.06413633 | -4.88720894 | 1.0331745303 | 9.6078650595 | 4.765043396 | ns |
| KIT | 0.030779561 | 0.015016934 | 4.880955869 | 1.0663514127 | 9.8849083341 | 4.73193357 | ns |
| CCL20 | -0.08976374 | 0.014891783 | -4.87926783 | 1.0753625090 | 9.9368940705 | 4.718512967 | ns |
| HAVCR2 | -0.03533055 | -0.03890064 | -4.86929674 | 1.1310966245 | 1.0418934206 | 4.67444598 | ns |
| IL1RAP | 0.047763778 | 0.143366245 | 4.868578966 | 1.1352056370 | 1.0423900817 | 4.670980057 | ns |
| CST7 | -0.10016563 | 0.069101993 | -4.86656004 | 1.1468537999 | 1.0497846695 | 4.662288471 | ns |
| TCTN3 | -0.02905369 | -0.02225449 | -4.86130716 | 1.1775637294 | 1.0745269030 | 4.632691599 | ns |
| DEFA1_DEFA1 | -0.05268357 | 0.009762663 | -4.83665143 | 1.3336287888 | 1.2131451911 | 4.530591114 | ns |
| MME | -0.08262676 | 0.083099284 | -4.82858803 | 1.3883424093 | 1.2589937376 | 4.480992211 | ns |
| NCAM2 | 0.028967608 | 0.025691835 | 4.814715456 | 1.4881297069 | 1.3453061127 | 4.412341149 | ns |
| FCER2 | -0.05189116 | -0.0254095 | -4.81264965 | 1.5035769390 | 1.3550755129 | 4.402478785 | ns |
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| ANXA2 | -0.06898489 | 0.022895266 | -4.78871105 | 1.6947473896 | 1.5046051810 | 4.302922486 | ns |
| LRP11 | -0.03540702 | -0.02729547 | -4.78859394 | 1.6952572074 | 1.5046051810 | 4.290026108 | ns |
| KRT5 | -0.04948554 | 0.027792833 | -4.76550658 | 1.9013777296 | 1.6824312032 | 4.186673158 | ns |
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| ACHE | 0.030852284 | 0.032052004 | 4.758156695 | 1.9717199074 | 1.7237790807 | 4.151538957 | ns |
| SLITRK1 | 0.032125441 | 0.037649771 | 4.755564188 | 1.9972898672 | 1.7393943430 | 4.141026235 | ns |
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| ANGPTL4 | -0.04556942 | -0.05190204 | -4.64511118 | 3.4270863026 | 2.8756011504 | 3.616737393 | ns |
| DCXR | -0.05415097 | 0.019268869 | -4.6272862 | 3.7350137588 | 3.1249971850 | 3.533306623 | ns |
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| XG | -0.03023624 | -0.006128 | -4.6018715 | 4.2205008652 | 3.4813170978 | 3.41761919 | ns |
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| HMOX2 | -0.04615835 | 0.033659794 | -4.59953265 | 4.2688710986 | 3.5014335978 | 3.415951068 | ns |
| AMY2B | 0.048389808 | 0.02244243 | 4.582468349 | 4.6346319560 | 3.7907914038 | 3.365740401 | ns |
| ARSA | -0.04416228 | 0.019352267 | -4.57861648 | 4.7173230228 | 3.8476489460 | 3.312503083 | ns |
| ERI1 | -0.03128106 | 0.003819022 | -4.57442808 | 4.8127947142 | 3.9145851157 | 3.296694736 | ns |
| NBN | -0.05042121 | 0.041310369 | -4.56661415 | 4.9958065305 | 4.0521541858 | 3.26617421 | ns |
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| CRLF1 | -0.02551403 | -0.00557887 | -4.54904488 | 5.4300959527 | 4.3680110693 | 3.17774073 | ns |
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| BTN3A2 | -0.03523968 | -0.03912376 | -4.44260007 | 8.9500134660 | 6.9137670161 | 2.704155187 | ns |
| COQ7 | -0.03914351 | 0.063308906 | -4.43196167 | 9.4038452083 | 7.2451788940 | 2.66568678 | ns |
| PHOSPHO1 | -0.02766991 | -0.03324967 | -4.4284318 | 9.5579968091 | 7.3445659691 | 2.644444623 | ns |
| CELA2A | 0.051924043 | 0.010258095 | 4.421945314 | 9.8482449709 | 7.5477363031 | 2.610122332 | ns |
| CXCL10 | -0.06408733 | 0.031406084 | -4.41261734 | 1.0282146043 | 7.8553299652 | 2.571325586 | ns |
| RSPO1 | -0.03269836 | -0.0177006 | -4.41218384 | 1.0303395125 | 7.8553299652 | 2.573201172 | ns |
| PROC | -0.02421276 | -0.0123426 | -4.40595932 | 1.0603133703 | 8.0627995869 | 2.544271843 | ns |
| NPL | -0.03945173 | -0.04347188 | -4.39992078 | 1.0901377066 | 8.2563587535 | 2.513392812 | ns |
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| CXCL16 | -0.02207586 | -0.020789 | -4.39613032 | 1.1093180229 | 8.3484758429 | 2.497177361 | ns |
| CCL21 | -0.0382039 | -0.03138217 | -4.39341528 | 1.1232835708 | 8.4318458273 | 2.487451612 | ns |
| C5 | -0.01320429 | -0.00710707 | -4.39203161 | 1.1304106665 | 8.4635875543 | 2.479170646 | ns |
| NECTIN2 | -0.02560536 | -0.01902468 | -4.38394599 | 1.1732671925 | 8.7619954025 | 2.449805075 | ns |
| SPINK2 | -0.03164226 | -0.02333042 | -4.37677892 | 1.2125241867 | 9.0320679218 | 2.423929835 | ns |

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| ITGA11 | 0.032009786 | 0.015084387 | 4.375314776 | 1.2205760848 | 9.0689113685 | 2.409866688 | ns |
| CAPG | -0.05592804 | -0.06983188 | -4.36921829 | 1.2551490415 | 9.3021198001 | 2.385680081 | ns |
| PTGDS | -0.02591132 | -0.01244456 | -4.36848196 | 1.2594494089 | 9.3103601875 | 2.386155382 | ns |
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| ACY1 | -0.05826149 | -0.00095489 | -4.32089868 | 1.5637492309 | 0.000114727 | 2.17706676 | ns |
| LCP1 | -0.04158404 | 0.058434104 | -4.31829121 | 1.5821992672 | 0.00011579 | 2.160721896 | ns |
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| TNFRSF10B | -0.0355469 | -0.03318523 | -4.31273028 | 1.6226280494 | 0.000118046 | 2.142813799 | ns |
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| TAFI5 | -0.03091226 | -0.0233528 | -4.30134833 | 1.7081474595 | 0.000122852 | 2.093705156 | ns |
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| ST6GAL1 | -0.02671291 | -0.02674019 | -4.28892606 | 1.8062516424 | 0.000129271 | 2.034475305 | ns |
| AMY1A_AMY1B | 0.043285145 | 0.02286981 | 4.281249337 | 1.8704129654 | 0.000133536 | 2.029978485 | ns |
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| CD38 | -0.02753705 | -0.02282377 | -4.24025323 | 2.2457878579 | 0.00015784 | 1.834853663 | ns |
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| GFRA3 | 0.025358595 | 0.018740388 | 4.233997578 | 2.3092050505 | 0.000161313 | 1.810475069 | ns |
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| USP28 | -0.03123993 | 0.036867591 | -4.16678778 | 3.1059673758 | 0.000211902 | 1.52286332 | ns |
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| WDR46 | -0.03097599 | 0.006255983 | -4.08561534 | 4.4182024567 | 0.000288616 | 1.191194042 | ns |
| RAB6A | 0.040711324 | 0.055474091 | 4.076618922 | 4.5925575349 | 0.000299336 | 1.157542168 | ns |
| CLSTN2 | 0.033841199 | 0.021206573 | 4.071083414 | 4.7026756037 | 0.000305831 | 1.130496253 | ns |
| ALDH1A1 | -0.04739833 | 0.032720692 | -4.0651071 | 4.8249387127 | 0.000313085 | 1.11079977 | ns |
| LYPD3 | 0.029142355 | 0.004749544 | 4.06380094 | 4.8520406204 | 0.000314145 | 1.106618593 | ns |
| GHRL | 0.070802388 | 0.053246639 | 4.057210616 | 4.9908653487 | 0.000322419 | 1.081187393 | ns |
| SCARA5 | -0.02470871 | -0.04072241 | -4.0545795 | 5.0469908586 | 0.000324984 | 1.064135128 | ns |
| THBD | -0.0235982 | -0.01595167 | -4.05432352 | 5.0528341140 | 0.000324984 | 1.069569625 | ns |
| APEX1 | -0.05281537 | -0.01695463 | -4.04555913 | 5.2451895830 | 0.000336614 | 1.029001122 | ns |
| ILBP | -0.05085048 | -0.06112739 | -4.04305364 | 5.3017076020 | 0.000339495 | 1.022755303 | ns |
| CLEC7A | -0.05076771 | -0.12431534 | -4.03394134 | 5.5111381181 | 0.000352134 | 0.981137639 | ns |
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| DNMBP | -0.05434035 | 0.06235885 | -3.99157092 | 6.5943880495 | 0.000411445 | 0.819836863 | ns |
| PEAR1 | 0.019372439 | -0.00098816 | 3.988613574 | 6.6765565005 | 0.000415683 | 0.80119973 | ns |
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| ENAH | -0.04033848 | -0.00498068 | -3.97992869 | 6.9258108084 | 0.000429371 | 0.779318773 | ns |
| GBP1 | -0.05231513 | -0.01883414 | -3.97282701 | 7.1346589478 | 0.000441381 | 0.740344585 | ns |
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| INPP5D | -0.04682001 | 0.010741509 | -3.96418741 | 7.3986057265 | 0.000455779 | 0.717696453 | ns |
| FGFR2 | -0.01749726 | -0.02253775 | -3.95924851 | 7.5523098434 | 0.000464268 | 0.68788737 | ns |
| TIMP1 | -0.02289808 | -0.01831708 | -3.94013858 | 8.1801838314 | 0.00050181 | 0.624055185 | ns |
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| GAPDH | -0.02700474 | -0.08122497 | -3.90528337 | 9.4533119163 | 0.00057269 | 0.49722523 | ns |
| SIGLEC6 | -0.02705223 | -0.02438559 | -3.8946129 | 9.8767812304 | 0.000597106 | 0.432620298 | ns |
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| CCL23 | -0.0342494 | -0.02345672 | -3.88006601 | 0.000104862 | 0.000630038 | 0.380459398 | ns |
| FMNL1 | -0.0533914 | 0.016024313 | -3.87644216 | 0.000106444 | 0.00063823 | 0.376172147 | ns |
| ERP44 | -0.02178221 | -0.00243641 | -3.87539373 | 0.000106897 | 0.000639632 | 0.366489839 | ns |
| CCL19 | -0.09964738 | 0.236038158 | -3.86743138 | 0.000110437 | 0.000659429 | 0.328522385 | ns |
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| FABP2 | 0.065154601 | 0.057176035 | 3.855859953 | 0.000115795 | 0.000688215 | 0.290729729 | ns |
| RASSF2 | -0.04849528 | 0.032255231 | -3.85553045 | 0.00011596 | 0.000688215 | 0.296173639 | ns |
| LEPR | 0.026569309 | 0.027827652 | 3.851472756 | 0.000117888 | 0.00069824 | 0.273953475 | ns |
| TPR | -0.03827535 | 0.035559665 | -3.8469128 | 0.000120109 | 0.000709959 | 0.264105647 | ns |
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| GPKOW | -0.02372651 | -0.00350804 | -3.83653406 | 0.000125292 | 0.000734642 | 0.223473202 | ns |
| PSPN | -0.08138719 | -0.13095437 | -3.83148034 | 0.000127882 | 0.000748328 | 0.195755145 | ns |
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| GM2A | -0.02832316 | -0.00674073 | -3.82909985 | 0.000129132 | 0.000751129 | 0.19453025 | ns |
| HAO1 | -0.10661952 | 0.020620964 | -3.82836919 | 0.000129502 | 0.00075178 | 0.1787661 | ns |
| TNFRSF6B | -0.04532602 | -0.0338869 | -3.82408994 | 0.000131778 | 0.000763474 | 0.170430344 | ns |
| PREB | -0.02410844 | 0.001283572 | -3.81392938 | 0.000137319 | 0.000794001 | 0.137511402 | ns |
| ST3GAL1 | 0.035882362 | 0.060155425 | 3.809364149 | 0.000139869 | 0.000807152 | 0.114163686 | ns |
| PHLDB1 | -0.04102904 | -0.00647467 | -3.805462 | 0.000142085 | 0.000818321 | 0.094643677 | ns |
| LTBR | -0.02134446 | -0.00391684 | -3.80223635 | 0.000143955 | 0.000827457 | 0.089501631 | ns |
| ENO3 | -0.04586888 | 0.053892122 | -3.8004682 | 0.000144991 | 0.000831775 | 0.087076822 | ns |
| DTNB | -0.03299719 | -0.00528024 | -3.79289845 | 0.000149468 | 0.000855708 | 0.048240797 | ns |
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| LAMP2 | -0.01569596 | -0.01160369 | -3.79188537 | 0.000150094 | 0.000856002 | 0.055150157 | ns |
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| APOL1 | -0.04535483 | 0.088976768 | -3.751742 | 0.000176251 | 0.00099546 | -0.10696171 | ns |
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| IL7R | 0.041009691 | 0.016943953 | 3.584570771 | 0.000338679 | 0.001762819 | -0.71307164 | ns |
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| PLXDC2 | 0.017650138 | 0.012825755 | 3.344645769 | 0.000825831 | 0.003901986 | -1.54143446 | ns |
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| KCTD5 | -0.0297955 | -0.00222491 | -3.31981852 | 0.000902881 | 0.004204804 | -1.61448419 | ns |
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| EDA2R | -0.02404703 | -0.05887849 | -3.29395794 | 0.000990084 | 0.004545669 | -1.7101513 | ns |
| LTBP2 | 0.021553595 | -0.01365268 | 3.292709187 | 0.00099449 | 0.004558729 | -1.71330049 | ns |
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| ADAM22 | -0.02391192 | -0.00237658 | -3.28257511 | 0.001030946 | 0.004696354 | -1.73913897 | ns |
| BOLA2_BOLA2 | -0.03698232 | -0.02938422 | -3.27679398 | 0.001052302 | 0.004786172 | -1.75176444 | ns |
| FUOM | -0.04235051 | -0.00858004 | -3.27598566 | 0.001055306 | 0.004791314 | -1.75514793 | ns |
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| TIMP3 | -0.08460939 | 0.089397347 | -2.99443225 | 0.002753925 | 0.011076394 | -2.64090639 | ns |
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| AREG | -0.0265223 | 0.02018985 | -2.80835481 | 0.004985842 | 0.018617211 | -3.17323571 | ns |
| GIMAP8 | -0.02886944 | 0.021448399 | -2.8071517 | 0.005004608 | 0.018663419 | -3.16769828 | ns |
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| HDDC2 | -0.02461377 | 0.034345231 | -2.7970638 | 0.005163306 | 0.019206181 | -3.20969289 | ns |
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| CD300LG | 0.021771577 | 0.019753201 | 2.796104619 | 0.005178686 | 0.019214439 | -3.20995526 | ns |
| FOLR2 | -0.01737808 | -0.01235875 | -2.78664947 | 0.005332078 | 0.019758461 | -3.24072514 | ns |

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| DYNLT1 | -0.04450145 | 0.141053321 | -2.780627 | 0.005432116 | 0.0200782 | -3.24354476 | ns |
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| IDO1 | -0.03475343 | 0.01788566 | -2.72081462 | 0.006519596 | 0.023475049 | -3.40660656 | ns |
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| IL17RB | 0.031755781 | 0.021288541 | 2.713600583 | 0.006663149 | 0.023872879 | -3.4299142 | ns |
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| HMBS | -0.02558848 | -0.02120055 | -2.7019019 | 0.006901902 | 0.024607515 | -3.47226239 | ns |
| NEFL | 0.023904269 | -0.03065688 | 2.699334663 | 0.006955603 | 0.024768733 | -3.46297711 | ns |
| TF | -0.01178659 | -0.00701648 | -2.69808584 | 0.006981499 | 0.024830665 | -3.48077411 | ns |
| ADAMTS16 | -0.01830335 | 0.003784119 | -2.6959146 | 0.007027362 | 0.024963379 | -3.4742119 | ns |
| CLEC11A | -0.02703912 | -0.03148448 | -2.69424958 | 0.007062413 | 0.025057408 | -3.4863579 | ns |
| LY9 | -0.01667255 | -0.01034892 | -2.69270619 | 0.007095252 | 0.02514337 | -3.48516097 | ns |
| CSDE1 | -0.06542914 | 0.236191659 | -2.69157012 | 0.007119525 | 0.025198804 | -3.48428189 | ns |
| CRISP3 | -0.01455482 | 0.008000267 | -2.68379945 | 0.00728689 | 0.025759949 | -3.51372043 | ns |
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| DLL1 | -0.01580962 | -0.01921755 | -2.66880584 | 0.007620102 | 0.026583868 | -3.55688427 | ns |
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| STX8 | -0.02809765 | 0.031013476 | -2.65904253 | 0.007844441 | 0.027268772 | -3.58084113 | ns |
| LETM1 | -0.02810185 | 0.027133092 | -2.65550518 | 0.007927058 | 0.027511097 | -3.5948874 | ns |
| ULBP2 | -0.02003162 | -0.02186822 | -2.65525828 | 0.007932995 | 0.027511097 | -3.58790744 | ns |
| PNLIP | 0.031993048 | 0.042523442 | 2.65325824 | 0.007980025 | 0.027641367 | -3.59895235 | ns |
| APOA4 | 0.018492171 | 0.017433054 | 2.651260946 | 0.008027343 | 0.027772326 | -3.60512236 | ns |
| DLK1 | -0.03123534 | -0.01779627 | -2.65085402 | 0.008037008 | 0.027772854 | -3.60695539 | ns |
| CCL26 | -0.05117225 | 0.034622279 | -2.64772198 | 0.008111898 | 0.027975984 | -3.61066318 | ns |
| CD36 | -0.02392902 | 0.029869116 | -2.64760179 | 0.008114951 | 0.027975984 | -3.60046893 | ns |
| TP53BP1 | -0.04751937 | 0.251193469 | -2.64281003 | 0.008230637 | 0.028319058 | -3.61305112 | ns |
| WFIKN1 | -0.02301358 | 0.013343391 | -2.64267316 | 0.008233863 | 0.028319058 | -3.61934253 | ns |
| ACYP1 | -0.03554301 | -0.00051881 | -2.64134828 | 0.008266198 | 0.028396823 | -3.6167782 | ns |
| TIE1 | 0.023722835 | -0.07811984 | 2.636139631 | 0.00839387 | 0.028801529 | -3.64557632 | ns |
| DNAJA4 | -0.03863551 | 0.047081841 | -2.63499494 | 0.008422223 | 0.028864897 | -3.64777183 | ns |
| PAFAH1B3 | -0.0632796 | 0.44885687 | -2.63268287 | 0.008479729 | 0.029027911 | -3.65480294 | ns |
| HSD17B14 | -0.03234791 | -0.01463328 | -2.62615463 | 0.008644046 | 0.029555754 | -3.67086147 | ns |

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| C1QTNF9 | 0.025794752 | -0.03522758 | 2.621180926 | 0.008771341 | 0.029955924 | -3.67083828 | ns |
| BMPER | -0.01158615 | -0.01125567 | -2.61820663 | 0.008848122 | 0.030128323 | -3.6792943 | ns |
| BLVRB | -0.03848599 | 0.066930919 | -2.61803284 | 0.0088525 | 0.030128323 | -3.68853928 | ns |
| IL22 | -0.03444613 | 0.027189357 | -2.6180205 | 0.008852774 | 0.030128323 | -3.69131346 | ns |
| NCLN | -0.03069107 | 0.102801357 | -2.61642084 | 0.00889454 | 0.030235224 | -3.68359618 | ns |
| NENF | -0.05971424 | 0.381918551 | -2.61548956 | 0.008918624 | 0.030281839 | -3.69788913 | ns |
| KLRF1 | -0.02174615 | 0.007081496 | -2.61344263 | 0.00897244 | 0.030429181 | -3.6896665 | ns |
| TIGAR | -0.02632173 | -0.02390478 | -2.60716891 | 0.009138448 | 0.030956227 | -3.70617997 | ns |
| ANXA3 | -0.03944295 | -0.01449547 | -2.59451562 | 0.009481356 | 0.032080602 | -3.75318613 | ns |
| LAMA4 | -0.01811753 | -0.00547047 | -2.5928526 | 0.009527345 | 0.032198896 | -3.75468463 | ns |
| SLITRK6 | 0.01901543 | 0.001927655 | 2.591449392 | 0.009566477 | 0.032293772 | -3.74836614 | ns |
| AGER | 0.022659488 | 0.032440312 | 2.589632584 | 0.009616946 | 0.032426652 | -3.75883552 | ns |
| KYNU | -0.02531573 | -0.01720816 | -2.5847421 | 0.009754219 | 0.032851579 | -3.77931942 | ns |
| SRPK2 | -0.04640435 | 0.120764505 | -2.58372149 | 0.009783226 | 0.032911315 | -3.77687074 | ns |
| TACSTD2 | 0.017160627 | 0.012061232 | 2.581661447 | 0.009842855 | 0.033073805 | -3.73001183 | ns |
| IL31RA | 0.020776984 | 0.021292701 | 2.578380627 | 0.009935925 | 0.033348161 | -3.77818093 | ns |
| NPY | -0.03629797 | -0.09276635 | -2.57706776 | 0.009973387 | 0.033414139 | -3.79942282 | ns |
| LHPP | -0.03357734 | 0.026361004 | -2.57689472 | 0.009978469 | 0.033414139 | -3.79456521 | ns |
| LIFR | 0.012934124 | -0.0012579 | 2.573484867 | 0.010077306 | 0.033706453 | -3.80307805 | ns |
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| IMPACT | -0.02944444 | -0.00900124 | -2.56767192 | 0.010247689 | 0.034138553 | -3.82165699 | ns |
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| MAPRE3 | -0.07585545 | 0.546414276 | -2.5409967 | 0.011063666 | 0.03642154 | -3.87417729 | ns |
| MVK | -0.04251389 | -0.01441882 | -2.53441935 | 0.011273396 | 0.037070176 | -3.89324544 | ns |
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| CPB1 | 0.030970775 | 0.031093953 | 2.524791468 | 0.011586583 | 0.037802035 | -3.93086993 | ns |
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| GLOD4 | -0.01960915 | -0.01595977 | -2.512706 | 0.011991115 | 0.038818244 | -3.95395376 | ns |
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| TRIAP1 | -0.03435788 | -0.0090717 | -2.50194454 | 0.012361536 | 0.039752957 | -3.98885178 | ns |
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| ADAM15 | 0.016338714 | 0.009517776 | 2.500427637 | 0.012414886 | 0.039793048 | -3.97841598 | ns |
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| SLAMF8 | -0.02803984 | -0.09001592 | -2.48901039 | 0.012820648 | 0.040913981 | -4.006052 | ns |
| CA12 | 0.0164855 | 0.010701771 | 2.487000402 | 0.012893101 | 0.04110028 | -4.01793921 | ns |
| HSPA1A | -0.03874904 | 0.024582347 | -2.48516312 | 0.012959747 | 0.04124941 | -4.02559226 | ns |
| PSRC1 | -0.03152187 | 0.098925761 | -2.48493939 | 0.012968137 | 0.04124941 | -4.01610294 | ns |
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| GCG | -0.06690327 | 0.020933821 | -2.47159947 | 0.013462 | 0.042727217 | -4.04892274 | ns |

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| SWAP70 | -0.01789656 | 0.015111235 | -2.46740119 | 0.013620528 | 0.043183432 | -4.07125111 | ns |
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| ICAM5 | 0.024290368 | -0.04201857 | 2.463168038 | 0.013782457 | 0.04346088 | -4.07678291 | ns |
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| IRAG2 | -0.04699775 | 0.145537998 | -2.46064627 | 0.013879838 | 0.043673627 | -4.07637938 | ns |
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| ITGB6 | 0.016015107 | -0.00077488 | 2.455898312 | 0.014064469 | 0.044159408 | -4.0877454 | ns |
| C9orf40 | -0.04095197 | 0.072596166 | -2.45524145 | 0.014089928 | 0.044191825 | -4.10096837 | ns |
| VWF | -0.03927823 | -0.04195729 | -2.45170117 | 0.014229216 | 0.044580805 | -4.11145311 | ns |
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| RCC1 | -0.02476668 | 0.097805566 | -2.44343158 | 0.014559441 | 0.045227198 | -4.13001559 | ns |
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| CBS | -0.02425676 | 0.053951592 | -2.42565678 | 0.015296204 | 0.047065244 | -4.16079561 | ns |
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| PPCDC | -0.02517636 | 0.011964808 | -2.42286408 | 0.015410063 | 0.047266159 | -4.18157637 | ns |
| DKK1 | -0.03104368 | -0.04478916 | -2.4215306 | 0.015466696 | 0.047390086 | -4.18478363 | ns |
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| CD7 | -0.01903029 | -0.00790243 | -2.23357997 | 0.025525402 | 0.071256381 | -4.60257864 | ns |
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| ST13 | -0.02547007 | -0.0014959 | -2.22579717 | 0.026042432 | 0.072491802 | -4.62283601 | ns |
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| CHL1 | 0.014820659 | 0.032665862 | 2.223912298 | 0.026168837 | 0.072705046 | -4.63518979 | ns |
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| NTF4 | -0.01884039 | 0.050154806 | -2.19419799 | 0.028236417 | 0.077588201 | -4.69140168 | ns |
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| ADAMTSL5 | 0.016582779 | 0.005379238 | 2.125981122 | 0.033520605 | 0.088579336 | -4.8511846 | ns |
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| SHD | -0.03544859 | 0.212118268 | -2.06221093 | 0.039204838 | 0.099980897 | -4.96834874 | ns |
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| NTF3 | 0.015612826 | 0.011981507 | 2.057419343 | 0.039662766 | 0.100884386 | -4.98954828 | ns |
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| ERMAP | -0.01849157 | -0.01702093 | -2.04992238 | 0.040389312 | 0.102509743 | -4.99410501 | ns |
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| ADA2 | -0.01777212 | -0.01800107 | -2.01782803 | 0.043626747 | 0.108880428 | -5.06353179 | ns |
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| RILP | -0.02608108 | -0.00541491 | -1.97696751 | 0.04806302 | 0.117541054 | -5.15495494 | ns |
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| CCN1 | -0.03225635 | -0.1504574 | -1.94485228 | 0.05181109 | 0.124928475 | -5.21016302 | ns |
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| GSTM4 | 0.027873243 | 0.149705727 | 1.915805754 | 0.055408773 | 0.131219479 | -5.25847923 | ns |
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| CXCL11 | -0.03175989 | 0.023056925 | -1.90237497 | 0.057140658 | 0.134843354 | -5.29936255 | ns |
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| I3HYPDH | -0.03384927 | 0.011406265 | -1.89432329 | 0.058200723 | 0.136832617 | -5.31362602 | ns |
| MICB_MICA | -0.06191859 | -0.52832135 | -1.88979462 | 0.058804265 | 0.138041756 | -5.3180657 | ns |
| IFT20 | -0.01706568 | 0.054336889 | -1.88975711 | 0.05880957 | 0.138041756 | -5.3088666 | ns |
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| PPBP | -0.03197706 | -0.07303779 | -1.88846245 | 0.058982713 | 0.138225939 | -5.31979923 | ns |
| ALDH3A1 | -0.02568666 | 0.035957889 | -1.88715755 | 0.05915803 | 0.138450481 | -5.32208283 | ns |
| PCNA | -0.02496192 | 0.143699095 | -1.88685656 | 0.059198886 | 0.138450481 | -5.31194281 | ns |
| DLGAP5 | 0.019927081 | 0.113455707 | 1.886288153 | 0.059274784 | 0.138450481 | -5.3294767 | ns |
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| COL4A4 | 0.01989538 | -0.0504766 | 1.884585373 | 0.059504845 | 0.138781269 | -5.32374994 | ns |
| SMTN | -0.03725645 | 0.163001878 | -1.88381268 | 0.059609055 | 0.138913361 | -5.33240483 | ns |
| PDCD1 | -0.01657007 | 0.010834746 | -1.88065208 | 0.060038 | 0.139801403 | -5.33992952 | ns |
| BLMH | -0.01266888 | -0.00352135 | -1.87963589 | 0.060176447 | 0.140012133 | -5.34172684 | ns |
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| TTR | -0.00912667 | -0.00211707 | -1.87191865 | 0.061236907 | 0.142026821 | -5.34922115 | ns |
| UBXN1 | -0.02605374 | 0.028770496 | -1.86584067 | 0.062082976 | 0.143874834 | -5.35399704 | ns |
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| TBCA | -0.03204086 | 0.01215821 | -1.85702843 | 0.063326509 | 0.146176606 | -5.37028443 | ns |
| GFER | -0.02610016 | 0.021887839 | -1.85499506 | 0.063616485 | 0.146555487 | -5.3732552 | ns |
| BACH1 | -0.02890246 | 0.030804346 | -1.85491227 | 0.063627924 | 0.146555487 | -5.38292385 | ns |
| GADD45B | 0.018602607 | 0.073312096 | 1.854819875 | 0.063641218 | 0.146555487 | -5.3796718 | ns |
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| CEBPA | -0.01438226 | 0.048671643 | -1.84778656 | 0.064652854 | 0.148183936 | -5.38523132 | ns |
| MATN3 | -0.01250254 | 0.008724201 | -1.84719708 | 0.064737951 | 0.148262602 | -5.39308472 | ns |
| CDC27 | -0.02422438 | 0.075676815 | -1.84286959 | 0.065367717 | 0.149587565 | -5.3955156 | ns |
| YJU2 | -0.01217846 | 0.015210591 | -1.84246601 | 0.065426162 | 0.149604066 | -5.40886156 | ns |
| ATP1B4 | 0.015638954 | 0.04827829 | 1.841789164 | 0.065525694 | 0.149714419 | -5.39536511 | ns |
| DHODH | -0.01758587 | 0.04496766 | -1.83895741 | 0.065941163 | 0.150545892 | -5.40172825 | ns |
| EBI3_IL27 | 0.011957749 | 0.003729888 | 1.836636039 | 0.066282782 | 0.151207596 | -5.42124285 | ns |
| NIT1 | -0.01771373 | -0.06819289 | -1.83550955 | 0.066449908 | 0.151436561 | -5.4089296 | ns |
| PRDX2 | -0.02364367 | 0.061656396 | -1.83525881 | 0.066486874 | 0.151436561 | -5.41395758 | ns |
| EPHB4 | -0.00894835 | -0.01053221 | -1.83424272 | 0.066637117 | 0.151660469 | -5.42543922 | ns |
| DNAJB14 | -0.0238879 | 0.022745037 | -1.83230258 | 0.066925574 | 0.152198345 | -5.42707574 | ns |
| CEP43 | -0.02683418 | 0.019300825 | -1.83143161 | 0.067056006 | 0.152376294 | -5.41433314 | ns |
| SH3GLB2 | -0.02518495 | -0.01082004 | -1.82806987 | 0.067558276 | 0.153281677 | -5.43584432 | ns |
| CEACAM21 | -0.03382858 | 0.246080803 | -1.82806353 | 0.067559424 | 0.153281677 | -5.43202221 | ns |
| STX4 | -0.02452232 | 0.071075477 | -1.82671849 | 0.067761583 | 0.153559302 | -5.43201007 | ns |
| ATP2B4 | -0.02300902 | 0.152626899 | -1.82655208 | 0.067786966 | 0.153559302 | -5.42430296 | ns |
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| MRI1 | -0.02503665 | -0.07440542 | -1.82384134 | 0.068195798 | 0.154246111 | -5.43039249 | ns |
| ARHGAP5 | -0.02768236 | 0.160408679 | -1.82205398 | 0.068466668 | 0.154738908 | -5.43126145 | ns |
| SERPINH1 | -0.04721853 | -0.02301683 | -1.82022107 | 0.068744915 | 0.155247604 | -5.44280338 | ns |
| SELP | -0.02234414 | -0.00719233 | -1.81937082 | 0.068874344 | 0.155419693 | -5.44730508 | ns |
| DDR1 | 0.008508879 | -0.00572732 | 1.816888363 | 0.069253503 | 0.156154618 | -5.45724294 | ns |
| MLN | -0.03505622 | -0.0711332 | -1.81333784 | 0.069799259 | 0.157263763 | -5.45864727 | ns |
| RALY | -0.01789211 | 0.029304294 | -1.81065183 | 0.070214179 | 0.158076641 | -5.46657133 | ns |
| CEACAM5 | 0.02471971 | -0.01066302 | 1.810019027 | 0.070313036 | 0.158177245 | -5.44918218 | ns |
| ILKAP | -0.02262607 | 0.019983732 | -1.80942708 | 0.070404635 | 0.158261381 | -5.45570424 | ns |
| BMP6 | -0.01604996 | -0.01019986 | -1.80624249 | 0.070900453 | 0.159253325 | -5.46177151 | ns |
| AMBN | 0.01042635 | 0.017408876 | 1.80225754 | 0.071524821 | 0.160532266 | -5.46943955 | ns |
| SLC9A3R1 | -0.0307017 | 0.006415534 | -1.80025412 | 0.071840412 | 0.161116745 | -5.47337084 | ns |
| SFTP2 | -0.01925294 | 0.029464584 | -1.79906728 | 0.072028075 | 0.161413645 | -5.47471394 | ns |
| BHMT2 | 0.009298988 | -0.01491583 | 1.797929042 | 0.072208312 | 0.161693458 | -5.47580723 | ns |
| DNAJC21 | -0.01412455 | 0.045629235 | -1.79738816 | 0.072293476 | 0.161760115 | -5.49107923 | ns |
| LAP3 | -0.01881581 | -0.01718026 | -1.7969207 | 0.072368178 | 0.161803277 | -5.47897584 | ns |
| SSNA1 | -0.01850966 | 0.035008125 | -1.79634482 | 0.072459206 | 0.161882846 | -5.49186479 | ns |
| TXNDC5 | -0.0264032 | 0.024704223 | -1.79595299 | 0.072521453 | 0.161898046 | -5.49480146 | ns |
| RABEP1 | -0.028363 | 0.025085284 | -1.79510973 | 0.072656149 | 0.162074832 | -5.48255356 | ns |
| CD200 | 0.010111251 | 0.016014069 | 1.794286323 | 0.072787158 | 0.162243131 | -5.49277433 | ns |
| CKMT1A_CKM | 0.026286798 | -0.0308338 | 1.792622935 | 0.073053032 | 0.162711559 | -5.49172749 | ns |
| DENND2B | 0.01793027 | 0.084360074 | 1.791504309 | 0.073232512 | 0.162986993 | -5.48725615 | ns |
| IFNGR1 | -0.0076622 | -0.00138398 | -1.78849214 | 0.073716274 | 0.163938706 | -5.50439484 | ns |
| CEP170 | -0.02817094 | 0.081483561 | -1.78784497 | 0.073821098 | 0.164046884 | -5.49467172 | ns |
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| FLT3 | 0.011982289 | 0.013453869 | 1.785321909 | 0.074229259 | 0.164703219 | -5.49917421 | ns |

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| C2orf69 | -0.02047225 | 0.071056661 | -1.7802466 | 0.075055693 | 0.166410497 | -5.50839702 | ns |
| CD34 | 0.009110954 | 0.007987352 | 1.77904374 | 0.07525222 | 0.166719637 | -5.52360288 | ns |
| TNFAIP8 | -0.0136016 | 0.006146925 | -1.77822202 | 0.075387506 | 0.166892735 | -5.51216508 | ns |
| TIMM10 | -0.01420099 | 0.043848896 | -1.7765836 | 0.0756564 | 0.167237957 | -5.5282441 | ns |
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| CLTA | -0.0174614 | 0.04076626 | -1.77622955 | 0.075715267 | 0.167237957 | -5.51590601 | ns |
| CCL13 | -0.02638501 | -0.01076245 | -1.77562991 | 0.075813551 | 0.167328472 | -5.53033887 | ns |
| CLSPN | -0.01371846 | 0.036394742 | -1.77453279 | 0.075995297 | 0.167602922 | -5.51722867 | ns |
| PALM3 | -0.02703267 | 0.152686517 | -1.77361177 | 0.076147631 | 0.167812137 | -5.51892486 | ns |
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| FKBPL | -0.02107382 | 0.027985797 | -1.77047649 | 0.076667496 | 0.168608099 | -5.53768079 | ns |
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| RAB44 | -0.01554296 | 0.038410105 | -1.76688105 | 0.077267891 | 0.169768429 | -5.54432784 | ns |
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| PDGFA | -0.02724543 | -0.04660387 | -1.76073183 | 0.078303506 | 0.171785303 | -5.55666679 | ns |
| WWP2 | -0.02075385 | 0.033169945 | -1.76011534 | 0.07840827 | 0.171879496 | -5.55008046 | ns |
| PRKAR2A | -0.02930501 | -0.04797224 | -1.75978423 | 0.078464167 | 0.171879496 | -5.55666606 | ns |
| CNTNAP4 | -0.03751238 | 0.363790031 | -1.75799399 | 0.078768769 | 0.172417395 | -5.5474867 | ns |
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| IRAK1 | -0.0264024 | 0.040088056 | -1.74604212 | 0.08082396 | 0.175886156 | -5.56847031 | ns |
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| APP | -0.02483951 | 0.003109772 | -1.74322884 | 0.081313646 | 0.17679512 | -5.58273426 | ns |
| OTOA | -0.01851697 | 0.09108119 | -1.74195176 | 0.081537277 | 0.177105414 | -5.57601272 | ns |
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| MMP1 | -0.0346289 | -0.08202117 | -1.73210237 | 0.08327629 | 0.180257054 | -5.57903363 | ns |
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| HS1BP3 | -0.03124396 | -0.01056884 | -1.71785913 | 0.085842845 | 0.183840099 | -5.61648063 | ns |
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| HS6ST2 | -0.01097404 | 0.026341478 | -1.70920141 | 0.087434284 | 0.186220357 | -5.62995841 | ns |
| DGCR6 | -0.01501928 | 0.039580816 | -1.70583503 | 0.088059395 | 0.187415038 | -5.63783587 | ns |
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| NTproBNP | 0.034974291 | 0.013750353 | 1.702268919 | 0.088725271 | 0.188416611 | -5.65035753 | ns |
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| IQGAP2 | -0.02003511 | 0.000275428 | -1.70025233 | 0.089103799 | 0.188949232 | -5.6534792 | ns |
| FOXO3 | -0.03546007 | 0.111166139 | -1.69865627 | 0.089404648 | 0.189449617 | -5.64907955 | ns |
| PDRG1 | -0.01823094 | 0.06402353 | -1.69731622 | 0.089657478 | 0.189847597 | -5.65157805 | ns |
| CTF1 | -0.03083671 | 0.019650402 | -1.69544571 | 0.090011564 | 0.190459251 | -5.6551457 | ns |
| PRSS2 | 0.018510318 | 0.007863912 | 1.694354325 | 0.090218256 | 0.190758368 | -5.66541988 | ns |
| STX5 | -0.01392281 | 0.040134448 | -1.69364799 | 0.090352907 | 0.190861247 | -5.65623443 | ns |

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| IL4R | -0.01259609 | -0.01938261 | -1.69069824 | 0.09091476 | 0.191675884 | -5.6720267 | ns |
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| ABO | -0.04866049 | -0.17263805 | -1.68317936 | 0.092360541 | 0.193744813 | -5.68757087 | ns |
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| DSCAM | -0.01169299 | 0.00866266 | -1.68052809 | 0.092874733 | 0.194543917 | -5.69391309 | ns |
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| ADAMTS4 | -0.01178931 | -0.01515381 | -1.66961731 | 0.09501592 | 0.198157396 | -5.69635988 | ns |
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| RLN2 | -0.04148216 | 0.209122159 | -1.66931926 | 0.095074833 | 0.198157396 | -5.69814045 | ns |
| SNX2 | -0.02768518 | 0.062905844 | -1.66818287 | 0.095299695 | 0.198484385 | -5.71268043 | ns |
| BCAM | 0.008449285 | 0.002000712 | 1.663814321 | 0.096169928 | 0.200154091 | -5.71708419 | ns |
| KLK3 | -0.02860724 | 0.561798654 | -1.66058154 | 0.096817767 | 0.201236842 | -5.72583829 | ns |
| RWDD1 | -0.02301946 | -0.00280278 | -1.66053047 | 0.096828001 | 0.201236842 | -5.72724193 | ns |
| PRDX1 | 0.030589356 | 0.10592598 | 1.659534892 | 0.09702903 | 0.201445152 | -5.71138467 | ns |
| CNST | -0.03855916 | -0.05921551 | -1.65934782 | 0.097066209 | 0.201445152 | -5.72199926 | ns |
| MYDGF | -0.03352915 | -0.03194386 | -1.65718164 | 0.097503012 | 0.202008829 | -5.73183764 | ns |
| CPA1 | 0.020866967 | 0.018610704 | 1.657143972 | 0.097510594 | 0.202008829 | -5.73247996 | ns |
| IFNGR2 | -0.01855496 | 0.106773127 | -1.65697358 | 0.097545359 | 0.202008829 | -5.72507717 | ns |
| VSIR | -0.02180015 | 0.061948223 | -1.65217462 | 0.098519468 | 0.203881535 | -5.73379405 | ns |
| RAB6B | 0.016538897 | 0.037101954 | 1.651246227 | 0.098709146 | 0.203887779 | -5.72816765 | ns |
| IGBP1 | -0.0204798 | 0.021935775 | -1.65065998 | 0.098828254 | 0.203887779 | -5.74332124 | ns |
| CAMKK1 | -0.0160126 | 0.027057884 | -1.65037828 | 0.098886468 | 0.203887779 | -5.72935268 | ns |
| ACTN2 | -0.01965329 | 0.079728462 | -1.65024386 | 0.09891396 | 0.203887779 | -5.72863019 | ns |
| SAA4 | -0.01079378 | 0.03625041 | -1.64969766 | 0.099025059 | 0.203887779 | -5.74392199 | ns |
| NUDT16 | -0.02899295 | 0.000502154 | -1.6494772 | 0.099070263 | 0.203887779 | -5.74249388 | ns |
| DHRS4L2 | 0.015839831 | 0.068242472 | 1.649430273 | 0.09907978 | 0.203887779 | -5.74432158 | ns |
| NAGA | -0.01972835 | 0.083597461 | -1.64942718 | 0.099081082 | 0.203887779 | -5.72861174 | ns |
| CCAR2 | -0.01811789 | 0.095377742 | -1.64815654 | 0.099340819 | 0.204278305 | -5.74640733 | ns |
| CALB1 | 0.01498943 | -0.01608964 | 1.647472221 | 0.099481559 | 0.204423752 | -5.74121279 | ns |
| LHB | 0.031015014 | 0.17978426 | 1.645884441 | 0.099808445 | 0.204949094 | -5.73670702 | ns |
| SF3B4 | -0.02677874 | 0.043033013 | -1.64554706 | 0.099877589 | 0.204949094 | -5.7443606 | ns |
| BRK1 | -0.0155189 | -0.01238464 | -1.64446113 | 0.100101847 | 0.205265024 | -5.73926988 | ns |
| GYS1 | -0.03275281 | 0.009472521 | -1.64278803 | 0.100447666 | 0.205731599 | -5.74241964 | ns |
| SNAP29 | -0.03204681 | -0.03306719 | -1.64267629 | 0.100470295 | 0.205731599 | -5.75343898 | ns |
| TIMP4 | -0.01355902 | -0.00530411 | -1.6408044 | 0.100858488 | 0.206381769 | -5.75484153 | ns |
| AZI2 | -0.01858677 | 0.067031324 | -1.63882062 | 0.101270889 | 0.20708053 | -5.76266092 | ns |
| CSNK2A1 | 0.014797605 | 0.038722309 | 1.636292178 | 0.101798725 | 0.208014189 | -5.76677311 | ns |
| ABRAXAS2 | -0.0218314 | 0.023782127 | -1.63238721 | 0.102618886 | 0.209428306 | -5.75773206 | ns |
| SPRR1B | -0.02812133 | 0.165800298 | -1.63231288 | 0.102634214 | 0.209428306 | -5.76492375 | ns |
| TMOD4 | 0.013297294 | -0.0037945 | 1.631908054 | 0.102719816 | 0.209456608 | -5.7573138 | ns |
| FLT3LG | 0.011564526 | -0.01131521 | 1.62865404 | 0.103406558 | 0.210612954 | -5.77950695 | ns |
| ARID4B | -0.01472235 | 0.039316032 | -1.62854087 | 0.103431156 | 0.210612954 | -5.76514028 | ns |
| GPC1 | -0.0099652 | -0.00822718 | -1.61970146 | 0.105316739 | 0.214253506 | -5.7943972 | ns |
| ANXA10 | -0.02698713 | 0.044104346 | -1.61944278 | 0.105372955 | 0.214253506 | -5.77981169 | ns |
| MAN2B2 | -0.01928888 | -0.06338169 | -1.6191324 | 0.10543914 | 0.214253506 | -5.79374196 | ns |
| DNAJB1 | -0.03093581 | -0.03943587 | -1.6179875 | 0.105685908 | 0.214571211 | -5.78901975 | ns |
| GAGE2A | -0.02057687 | 0.102086336 | -1.61761949 | 0.105765619 | 0.214571211 | -5.78036543 | ns |
| GAS2 | -0.01727232 | 0.061635028 | -1.61738463 | 0.10581594 | 0.214571211 | -5.7890115 | ns |
| ARG1 | -0.01850514 | 0.014040779 | -1.6164213 | 0.106023865 | 0.214843641 | -5.79253699 | ns |
| OGT | -0.02101639 | 0.108604218 | -1.61380486 | 0.106590427 | 0.215841918 | -5.79475482 | ns |
| GH2 | -0.05735596 | 0.507137291 | -1.61306741 | 0.10675084 | 0.215984366 | -5.78980561 | ns |
| B4GAT1 | 0.008621546 | 0.014502876 | 1.612610688 | 0.106849647 | 0.215984366 | -5.80038844 | ns |
| XPNPEP2 | 0.033951879 | -0.08891704 | 1.612414648 | 0.106892182 | 0.215984366 | -5.80235295 | ns |
| KLK8 | -0.01212281 | -0.02051705 | -1.61212154 | 0.106956642 | 0.215984366 | -5.78695961 | ns |
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| MTSS1 | -0.03642612 | -0.00883268 | -1.60955779 | 0.107514842 | 0.216811698 | -5.807768 | ns |

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| COL5A1 | 0.012324383 | 0.026862329 | 1.608840579 | 0.107672048 | 0.216978868 | -5.79734859 | ns |
| PPP1R9B | -0.03338145 | 0.021549955 | -1.60791113 | 0.10787497 | 0.21723787 | -5.81284592 | ns |
| KLK1 | 0.043975855 | 0.43172829 | 1.604953211 | 0.108524812 | 0.2183959 | -5.80901765 | ns |
| TLR1 | 0.008360945 | 0.003647543 | 1.602613522 | 0.109041013 | 0.219283579 | -5.80521291 | ns |
| CCNE1 | -0.03094413 | 0.258550342 | -1.60224477 | 0.1091225 | 0.219296422 | -5.80579964 | ns |
| NME1 | 0.006838928 | 0.006782124 | 1.601264201 | 0.109339423 | 0.219541534 | -5.80735921 | ns |
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| GBP4 | 0.016713581 | 0.037923251 | 1.59732118 | 0.110215101 | 0.220732575 | -5.81514181 | ns |
| MPHOSPH8 | -0.02523594 | 0.034927246 | -1.59518205 | 0.110692507 | 0.221536751 | -5.81895202 | ns |
| CXCL6 | -0.02624601 | -0.01521787 | -1.59090965 | 0.111650261 | 0.223150967 | -5.83985293 | ns |
| LTB | -0.01094699 | 0.01994736 | -1.59090283 | 0.111651905 | 0.223150967 | -5.83774874 | ns |
| RANBP2 | 0.010580816 | 0.007332881 | 1.58980094 | 0.111900647 | 0.223495137 | -5.82769627 | ns |
| CTBS | -0.00863005 | -0.02082867 | -1.58872928 | 0.11214226 | 0.223824607 | -5.83357125 | ns |
| OMG | 0.023035587 | 0.052601493 | 1.586559377 | 0.112633141 | 0.224650801 | -5.83902754 | ns |
| PCDH12 | 0.007856539 | 0.000365436 | 1.586096335 | 0.112737826 | 0.224706111 | -5.84709655 | ns |
| SCN3B | -0.0154372 | 0.065220673 | -1.5857272 | 0.112822176 | 0.224720841 | -5.83411906 | ns |
| GBP6 | -0.0138807 | 0.046211873 | -1.58518054 | 0.112946354 | 0.224814829 | -5.83314275 | ns |
| DSG3 | -0.0113889 | -0.00361557 | -1.58432814 | 0.113139532 | 0.225045935 | -5.84841803 | ns |
| CORO1A | -0.03037264 | 0.098387256 | -1.583467 | 0.113336198 | 0.225283661 | -5.83306363 | ns |
| DRAXIN | -0.01438611 | 0.000665371 | -1.58247648 | 0.113561547 | 0.225578039 | -5.84490515 | ns |
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| VPS37A | -0.02748295 | 0.032096605 | -1.58126525 | 0.113838075 | 0.225820093 | -5.84735495 | ns |
| PFKFB2 | -0.02641953 | 0.001772355 | -1.58037278 | 0.114042229 | 0.226071493 | -5.84812125 | ns |
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| GZMB | -0.02155748 | 0.032553069 | -1.57823901 | 0.114531325 | 0.226733199 | -5.85457018 | ns |
| SERPINB1 | -0.03084118 | 0.019040598 | -1.57681055 | 0.114859809 | 0.227229432 | -5.85494016 | ns |
| THTPA | -0.02784619 | 0.001931599 | -1.57550306 | 0.115160882 | 0.227670802 | -5.86106505 | ns |
| ACE | 0.008222381 | -0.01228102 | 1.574888956 | 0.115302515 | 0.227796578 | -5.86277062 | ns |
| ING1 | -0.01567281 | 0.014180341 | -1.57115921 | 0.116166718 | 0.229348761 | -5.85504101 | ns |
| SERPINE2 | -0.02011892 | 0.019631934 | -1.56761484 | 0.116991476 | 0.230442611 | -5.87526802 | ns |
| PODXL | 0.005090929 | -0.00496073 | 1.567491289 | 0.117020583 | 0.230442611 | -5.86889036 | ns |
| SIRT5 | 0.01874053 | 0.092522442 | 1.567443946 | 0.117031957 | 0.230442611 | -5.86208727 | ns |
| IMPG1 | -0.00993873 | 0.031766187 | -1.56742471 | 0.117036436 | 0.230442611 | -5.86277215 | ns |
| LMNB1 | -0.01864214 | -0.01662526 | -1.56547159 | 0.117492888 | 0.231185467 | -5.8757782 | ns |
| KIAA1549 | -0.02156983 | -0.01014461 | -1.56276097 | 0.118129554 | 0.232281683 | -5.87526476 | ns |
| PFDN6 | 0.020698495 | 0.110482804 | 1.56187047 | 0.118339442 | 0.232537799 | -5.8707485 | ns |
| SMPD1 | -0.01614624 | -0.01653308 | -1.55867399 | 0.119094061 | 0.233863254 | -5.88787374 | ns |
| HSDL2 | -0.01486032 | 0.00206624 | -1.55755674 | 0.119359348 | 0.234226677 | -5.87716274 | ns |
| TARBP2 | -0.0270247 | 0.019241948 | -1.55716719 | 0.119451796 | 0.234250668 | -5.8780301 | ns |
| TINAGL1 | -0.00734174 | -0.01256524 | -1.55597287 | 0.119735283 | 0.234644533 | -5.88546586 | ns |
| PODXL2 | 0.009012545 | 0.013059613 | 1.555435224 | 0.119862951 | 0.234644533 | -5.89198511 | ns |
| CD28 | -0.01191433 | 0.002871527 | -1.55530824 | 0.119893714 | 0.234644533 | -5.88066454 | ns |
| PGR | -0.03283723 | 0.317079291 | -1.55348643 | 0.120328016 | 0.235336777 | -5.88219229 | ns |
| RBPMS2 | -0.03262841 | 0.010229808 | -1.55042737 | 0.121059962 | 0.236609832 | -5.88816401 | ns |
| KLRB1 | -0.01214131 | 0.003513487 | -1.54814471 | 0.121607834 | 0.237388143 | -5.9065166 | ns |
| DCLRE1C | 0.009911384 | 0.012530805 | 1.548093815 | 0.121620775 | 0.237388143 | -5.88963863 | ns |
| TST | 0.025066538 | 0.043955913 | 1.547594313 | 0.121741053 | 0.237464178 | -5.89160941 | ns |
| INSL4 | -0.01526102 | 0.050455278 | -1.54620868 | 0.12207466 | 0.237955946 | -5.90737456 | ns |
| VCAN | 0.009909653 | 0.00580492 | 1.544689359 | 0.122441826 | 0.238512429 | -5.91162403 | ns |
| CXCL9 | -0.0218031 | 0.030408137 | -1.5441408 | 0.122574754 | 0.238612187 | -5.90875811 | ns |
| MOCOS2 | -0.0207874 | 0.023097775 | -1.54311216 | 0.122824459 | 0.238938987 | -5.90020913 | ns |
| RASGRF1 | 0.013780642 | 0.009859614 | 1.542704611 | 0.122923525 | 0.238941021 | -5.89790844 | ns |
| CDH15 | -0.01862942 | 0.121763737 | -1.54243175 | 0.122989162 | 0.238941021 | -5.91386189 | ns |
| SLAMF6 | -0.01230889 | -0.01333314 | -1.54007429 | 0.12356328 | 0.239896793 | -5.90407663 | ns |
| SUSD2 | 0.009383434 | 0.000705283 | 1.535805347 | 0.124606713 | 0.241761861 | -5.92046423 | ns |
| CEMIP2 | -0.00963928 | 0.00662168 | -1.53404358 | 0.125039972 | 0.242441379 | -5.91199645 | ns |
| METAP2 | -0.01928659 | -0.05762615 | -1.53263527 | 0.125386155 | 0.242834762 | -5.92987013 | ns |
| ESPL1 | 0.017427238 | 0.103070526 | 1.532544486 | 0.125409185 | 0.242834762 | -5.91342089 | ns |
| FXN | -0.02405384 | -0.00255013 | -1.53079082 | 0.12584148 | 0.243399106 | -5.93350028 | ns |
| BEX3 | 0.014473066 | 0.045650722 | 1.530688931 | 0.125867346 | 0.243399106 | -5.91624288 | ns |
| SPRING1 | -0.01919723 | 0.102760336 | -1.52807792 | 0.126514246 | 0.244282928 | -5.92020801 | ns |
| USP47 | 0.026793457 | 0.166035214 | 1.527904542 | 0.126557281 | 0.244282928 | -5.92166866 | ns |
| EHBP1 | -0.0233457 | 0.041242695 | -1.52775644 | 0.126593442 | 0.244282928 | -5.93653553 | ns |
| MLLT1 | 0.020930662 | 0.080641185 | 1.527494987 | 0.126659025 | 0.244282928 | -5.92109233 | ns |

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| CA7 | 0.010371081 | 0.021657627 | 1.525882166 | 0.127059927 | 0.244894381 | -5.93182306 | ns |
| PDZD2 | -0.01864279 | 0.09565729 | -1.52455152 | 0.127392034 | 0.245118337 | -5.9267502 | ns |
| MORC3 | 0.008531788 | 0.020092046 | 1.524536452 | 0.12739516 | 0.245118337 | -5.94117181 | ns |
| GATD3 | -0.02357025 | 0.025262772 | -1.52440735 | 0.127427957 | 0.245118337 | -5.92788715 | ns |
| ZBTB16 | -0.02361827 | 0.114089428 | -1.52338649 | 0.127683062 | 0.245447362 | -5.92945866 | ns |
| IKZF2 | -0.03061272 | 0.245988819 | -1.52259848 | 0.12788021 | 0.245664615 | -5.93065037 | ns |
| P4HB | -0.01277904 | -0.00640458 | -1.52224682 | 0.12796786 | 0.245671369 | -5.93989856 | ns |
| S100A4 | -0.01867199 | -0.02685058 | -1.52140628 | 0.128178398 | 0.245913878 | -5.9439774 | ns |
| CD244 | -0.00880992 | -0.00300112 | -1.51946181 | 0.128666647 | 0.246688516 | -5.95021125 | ns |
| BCAT2 | 0.016907601 | 0.087976137 | 1.519102465 | 0.128757673 | 0.246701053 | -5.93682411 | ns |
| CCN4 | -0.01299426 | 0.020350445 | -1.51778261 | 0.129089579 | 0.2471748 | -5.95319381 | ns |
| ATG16L1 | -0.02620395 | -0.00849424 | -1.51735973 | 0.129196327 | 0.247217087 | -5.95092953 | ns |
| WFDC12 | -0.02084715 | -0.06381056 | -1.5157841 | 0.129594363 | 0.247816333 | -5.95502057 | ns |
| BRD1 | 0.009446918 | 0.026491922 | 1.515314958 | 0.129713364 | 0.24788156 | -5.94778033 | ns |
| RPS10 | 0.012007592 | 0.03458539 | 1.513184475 | 0.13025383 | 0.248751591 | -5.94389402 | ns |
| TSC22D1 | -0.02045317 | 0.051698312 | -1.51233817 | 0.130468213 | 0.248998158 | -5.96058577 | ns |
| USP25 | -0.0222279 | 0.006409947 | -1.51070407 | 0.130884316 | 0.249629133 | -5.96127112 | ns |
| MAPK9 | -0.01382025 | -0.01240264 | -1.50858033 | 0.131426652 | 0.250499885 | -5.96134267 | ns |
| SCARF1 | -0.01352776 | -0.00530759 | -1.50791589 | 0.131596422 | 0.250519908 | -5.96702725 | ns |
| UNC5D | 0.008070393 | 0.01333901 | 1.50787026 | 0.131608746 | 0.250519908 | -5.95152524 | ns |
| RGCC | -0.02309411 | -0.03088473 | -1.50751918 | 0.13169798 | 0.250526451 | -5.96781259 | ns |
| ANGPTL1 | 0.009367493 | 0.012677382 | 1.505819651 | 0.132134466 | 0.251193126 | -5.95445559 | ns |
| MYL3 | -0.02170376 | 0.031650908 | -1.50428184 | 0.132529757 | 0.251780671 | -5.95815056 | ns |
| SCT | 0.013667306 | 0.04387826 | 1.499947841 | 0.1336488 | 0.253741545 | -5.96488223 | ns |
| IL5RA | 0.01793703 | -0.01403151 | 1.498338548 | 0.134065885 | 0.25436802 | -5.97663501 | ns |
| GALNT7 | 0.006692704 | -0.00772705 | 1.497680302 | 0.134236964 | 0.25452723 | -5.97514243 | ns |
| IST1 | -0.02981898 | -0.02995086 | -1.49725014 | 0.134348747 | 0.254534541 | -5.97705872 | ns |
| TPSG1 | 0.007747901 | 0.01295535 | 1.496996506 | 0.134415158 | 0.254534541 | -5.96774761 | ns |
| TP73 | 0.010290704 | -0.00385965 | 1.495748884 | 0.134739984 | 0.254984286 | -5.97112761 | ns |
| TUBB3 | 0.008475117 | -0.01333607 | 1.49298454 | 0.135462157 | 0.256184908 | -5.9758838 | ns |
| CHRM1 | 0.01118858 | 0.020869204 | 1.492503181 | 0.135588155 | 0.256257225 | -5.97594316 | ns |
| RAB10 | -0.01606651 | 0.033676488 | -1.48935868 | 0.136413305 | 0.257533413 | -5.99406611 | ns |
| UROS | -0.02064401 | 0.06859401 | -1.48871544 | 0.136583179 | 0.257533413 | -5.98154968 | ns |
| RAPGEF2 | -0.01587907 | 0.06697825 | -1.48859738 | 0.136614077 | 0.257533413 | -5.9876314 | ns |
| CTSL | -0.00741254 | -0.0219277 | -1.48858917 | 0.136616184 | 0.257533413 | -5.98890965 | ns |
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| DCN | 0.006793357 | -0.00308751 | 1.483105007 | 0.138067431 | 0.259933526 | -5.99024672 | ns |
| CCL28 | 0.018233988 | 0.041427269 | 1.476388649 | 0.139860184 | 0.263139007 | -6.00682934 | ns |
| FAM3C | -0.00887162 | -0.02927723 | -1.47559367 | 0.140073604 | 0.263370846 | -6.00743619 | ns |
| NFKB1 | -0.02217788 | 0.016001264 | -1.47204055 | 0.141030863 | 0.265000076 | -6.00487511 | ns |
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| PTTG1 | -0.01212393 | 0.007710266 | -1.46899303 | 0.141855284 | 0.266206573 | -6.01642181 | ns |
| AMPD3 | -0.02160236 | 0.047963447 | -1.46846568 | 0.141998065 | 0.266303372 | -6.02451002 | ns |
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| SCARB1 | -0.01842428 | 0.101875395 | -1.46298008 | 0.143493686 | 0.267903812 | -6.01926361 | ns |
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| AP3S2 | -0.01397776 | 0.074404045 | -1.45831803 | 0.144773163 | 0.269812563 | -6.0392589 | ns |
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| PDAP1 | -0.02847571 | -0.03326092 | -1.45155382 | 0.14664596 | 0.272569194 | -6.04927816 | ns |
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| UROD | -0.01821167 | 0.00481737 | -1.28951115 | 0.197240135 | 0.334460623 | -6.25688113 | ns |
| KLK14 | -0.01276218 | 0.00705239 | -1.28767561 | 0.197878107 | 0.335347691 | -6.2737856 | ns |
| STX16 | -0.01634324 | 0.08181261 | -1.28505727 | 0.198792059 | 0.336701167 | -6.26178768 | ns |
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| REXO2 | 0.012811734 | 0.098420301 | 1.266362938 | 0.205402796 | 0.34419338 | -6.28451994 | ns |
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| SPINK4 | 0.015882473 | 0.028102072 | 1.190919621 | 0.233703563 | 0.380175156 | -6.38717149 | ns |
| CCL24 | -0.02157652 | 0.04480936 | -1.18956955 | 0.234233981 | 0.38082585 | -6.38899196 | ns |
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| MTHFSD | -0.02626896 | 0.005947298 | -1.16028594 | 0.245950551 | 0.393938121 | -6.4194665 | ns |
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| SSH3 | -0.00685128 | 0.020138762 | -1.14137075 | 0.253733863 | 0.402664609 | -6.43273962 | ns |
| SNAP25 | 0.010470093 | 0.03154438 | 1.137537043 | 0.255331924 | 0.404980563 | -6.44013674 | ns |
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| ROBO2 | -0.0054195 | -0.0017756 | -1.13104006 | 0.258055721 | 0.407971145 | -6.46128327 | ns |
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| NMT1 | -0.01472134 | 0.101346928 | -1.11280824 | 0.265808028 | 0.416928949 | -6.48144815 | ns |
| SMS | -0.01428148 | 0.122758021 | -1.11268007 | 0.265863597 | 0.416928949 | -6.46790984 | ns |
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| RP2 | -0.01003583 | 0.025341801 | -1.09687698 | 0.272712437 | 0.425157671 | -6.49152469 | ns |
| NEDD4L | -0.01081337 | -0.03797548 | -1.0964478 | 0.272900417 | 0.425223703 | -6.48351903 | ns |
| NFAT5 | -0.01936749 | 0.141869548 | -1.09522827 | 0.273434188 | 0.425668265 | -6.48484614 | ns |
| ATP6V1F | -0.01581895 | 0.046970394 | -1.09512989 | 0.273477283 | 0.425668265 | -6.48522059 | ns |
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| PDP1 | -0.01201249 | 0.069024917 | -1.09352863 | 0.274179277 | 0.426306437 | -6.4879885 | ns |
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| LATS1 | -0.01856666 | -0.00192792 | -1.08624399 | 0.277388474 | 0.430151007 | -6.4945775 | ns |
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| SLC34A3 | 0.010892917 | 0.03523829 | 1.084594517 | 0.278118689 | 0.430597334 | -6.49549034 | ns |
| ACY3 | 0.011895636 | 0.017321984 | 1.080016874 | 0.280151994 | 0.433515539 | -6.50161774 | ns |
| SAFB2 | 0.006080769 | 0.00595971 | 1.077560664 | 0.281246609 | 0.434978866 | -6.51979083 | ns |
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| LARP1 | -0.01383583 | 0.079535597 | -1.07442236 | 0.282650202 | 0.436456156 | -6.52136331 | ns |
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| IL15RA | -0.00791983 | -0.0277225 | -1.06978755 | 0.284732042 | 0.438511373 | -6.51392656 | ns |
| HNRNPK | -0.01736792 | 0.051842254 | -1.06876271 | 0.2851938 | 0.438990983 | -6.51308734 | ns |
| ANXA11 | -0.01543653 | -0.13165385 | -1.06772444 | 0.285661626 | 0.439479425 | -6.52535171 | ns |
| ANXA5 | -0.00667116 | -0.01588458 | -1.06628986 | 0.286309742 | 0.440244574 | -6.51675381 | ns |
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| SPTBN2 | -0.00681746 | 0.035285245 | -1.05809074 | 0.290031027 | 0.44432875 | -6.52675029 | ns |
| IL33 | -0.00876154 | -0.01659228 | -1.05729157 | 0.290395447 | 0.444653752 | -6.52712452 | ns |
| CCL4 | -0.01511363 | 0.017137481 | -1.05441579 | 0.291709191 | 0.446278893 | -6.53839928 | ns |
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| COL28A1 | -0.01584767 | 0.109267738 | -1.05365999 | 0.292055457 | 0.446278893 | -6.53073701 | ns |

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| RNASE10 | -0.01006552 | -0.00605866 | -1.04462474 | 0.296213186 | 0.450960638 | -6.53988129 | ns |
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| FCRLB | -0.01306147 | 0.046436327 | -1.02586582 | 0.304971334 | 0.46021514 | -6.55919377 | ns |
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| FOXJ3 | -0.00907001 | 0.039407395 | -1.01578652 | 0.309747403 | 0.465497899 | -6.56811502 | ns |
| PDE4D | -0.01238456 | 0.136357609 | -1.01494468 | 0.310148533 | 0.465860965 | -6.56930653 | ns |
| CCL8 | -0.01339851 | -0.08009675 | -1.01350495 | 0.310834852 | 0.466651809 | -6.5865623 | ns |
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| MMP3 | -0.01009249 | 0.007562566 | -0.99604554 | 0.319243702 | 0.476337051 | -6.5990949 | ns |
| CD276 | -0.00730062 | -0.04616761 | -0.99369808 | 0.320385566 | 0.477350007 | -6.5990651 | ns |
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| RTN4IP1 | -0.01799227 | -0.01789122 | -0.98887142 | 0.322741466 | 0.480328787 | -6.61080976 | ns |
| ABHD14B | -0.01212581 | 0.007687654 | -0.98835205 | 0.322995959 | 0.480405097 | -6.60209544 | ns |
| CDKL5 | 0.010468588 | 0.076932762 | 0.988095399 | 0.323121784 | 0.480405097 | -6.5978671 | ns |
| COL24A1 | -0.01084333 | -0.05964221 | -0.98764841 | 0.323340323 | 0.480485365 | -6.60989005 | ns |
| SIGLEC15 | -0.01693226 | 0.215549695 | -0.9871417 | 0.323589028 | 0.480610357 | -6.59814069 | ns |
| FAM171A2 | 0.031473504 | 0.39026599 | 0.986654375 | 0.323827482 | 0.480705001 | -6.61298497 | ns |
| EPHX2 | -0.01288634 | 0.095137112 | -0.98634028 | 0.323982001 | 0.480705001 | -6.59935025 | ns |
| MAMDC4 | -0.01073859 | 0.011583313 | -0.98352191 | 0.325366037 | 0.482513371 | -6.61426615 | ns |
| GABARAP | 0.00936002 | 0.031043897 | 0.982831066 | 0.325705979 | 0.482772314 | -6.61494079 | ns |
| SERPINA11 | 0.008618242 | -0.04257808 | 0.980285377 | 0.32696056 | 0.484386015 | -6.61901358 | ns |
| IL22RA1 | 0.009130198 | 0.035876052 | 0.977583796 | 0.328295869 | 0.486117616 | -6.60766125 | ns |
| ITM2A | -0.01247784 | -0.00060033 | -0.97688553 | 0.328641228 | 0.486382354 | -6.61758622 | ns |
| PVALB | 0.024095504 | -0.19307949 | 0.976393662 | 0.328884709 | 0.486496125 | -6.62157991 | ns |
| PPP1R2 | -0.01676015 | -0.00658199 | -0.9744515 | 0.329847809 | 0.487673723 | -6.61774003 | ns |
| EVPL | 0.006483654 | 0.029015047 | 0.974024024 | 0.330060043 | 0.487740549 | -6.61687634 | ns |

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| LRRN1 | 0.008267811 | 0.029754759 | 0.970863279 | 0.331631911 | 0.489815468 | -6.61416328 | ns |
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| L1CAM | 0.005924528 | -0.02232053 | 0.966935261 | 0.333591547 | 0.491963291 | -6.62914232 | ns |
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| PBK | 0.005926073 | -0.00099361 | 0.965778624 | 0.334170513 | 0.492319828 | -6.61645167 | ns |
| FASLG | 0.007756146 | 0.042671887 | 0.963600241 | 0.335261387 | 0.493677887 | -6.63566875 | ns |
| TSPYL1 | -0.00777394 | 0.030297154 | -0.96106165 | 0.336536626 | 0.495305921 | -6.62183115 | ns |
| TK1 | -0.00872097 | 0.034499433 | -0.95947097 | 0.33733673 | 0.495910454 | -6.63084937 | ns |
| RAB3GAP1 | -0.01119794 | 0.078988306 | -0.95934594 | 0.337399883 | 0.495910454 | -6.62566775 | ns |
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| S100A16 | -0.01286014 | 0.050048385 | -0.95680523 | 0.338680946 | 0.497458935 | -6.62673537 | ns |
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| ARL13B | -0.01359243 | 0.079931612 | -0.9548626 | 0.339662542 | 0.498321588 | -6.62807139 | ns |
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| GNF | -0.01347318 | 0.031629852 | -0.95405887 | 0.340069174 | 0.498321588 | -6.62978806 | ns |
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| KIR2DS4 | -0.03290617 | 0.940693841 | -0.9534242 | 0.340390087 | 0.498321588 | -6.64288184 | ns |
| CD86 | -0.00543787 | -0.00165069 | -0.95328051 | 0.340462866 | 0.498321588 | -6.6430179 | ns |
| TNFSF10 | -0.00531135 | -0.01090176 | -0.94983668 | 0.342210022 | 0.500527844 | -6.64874824 | ns |
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| RAB11FIP3 | -0.02073265 | -0.04093516 | -0.94676479 | 0.343773419 | 0.501674878 | -6.65050676 | ns |
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| JPT2 | -0.0164931 | -0.03595741 | -0.93720413 | 0.348668202 | 0.507532976 | -6.65811152 | ns |
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| TEK | 0.004212565 | 0.00625458 | 0.930990469 | 0.351873054 | 0.510163514 | -6.66302221 | ns |
| CIRBP | -0.01795089 | -0.07475311 | -0.93055734 | 0.352097117 | 0.510235029 | -6.66427699 | ns |
| FGF7 | -0.01502673 | 0.183344146 | -0.92847113 | 0.353178152 | 0.511480327 | -6.65154116 | ns |
| VPS53 | -0.01575927 | 0.062721379 | -0.92822254 | 0.353306787 | 0.511480327 | -6.66113046 | ns |
| GUCY2C | -0.01539072 | 0.227597508 | -0.92573063 | 0.354600617 | 0.513044161 | -6.6624359 | ns |
| DYNC1H1 | 0.008863969 | 0.047359834 | 0.92546524 | 0.354738411 | 0.513044161 | -6.66930745 | ns |
| TDGF1 | 0.028848903 | 0.194851732 | 0.924292658 | 0.355348765 | 0.513672473 | -6.65779144 | ns |
| GNPDA1 | -0.00599079 | 0.029462089 | -0.92010539 | 0.357532409 | 0.516573297 | -6.66135839 | ns |
| EIF4E | -0.01672193 | 0.016366396 | -0.91870675 | 0.358263715 | 0.51729432 | -6.66136393 | ns |
| MYCBP2 | -0.0125228 | 0.084376171 | -0.91847262 | 0.358385757 | 0.51729432 | -6.67749634 | ns |
| DAND5 | 0.010483297 | -0.02889761 | 0.916205165 | 0.359573992 | 0.518620072 | -6.66364312 | ns |
| FGF3 | -0.00565773 | 0.022298657 | -0.91583077 | 0.35977035 | 0.518620072 | -6.6639837 | ns |
| PNLIPRP1 | 0.013883681 | -0.00369922 | 0.915702731 | 0.359837078 | 0.518620072 | -6.6789915 | ns |
| HARS1 | -0.01529189 | -0.01981114 | -0.91189637 | 0.361837573 | 0.521246035 | -6.67882669 | ns |
| PALLD | 0.007385068 | 0.043042615 | 0.911413777 | 0.362092009 | 0.521355358 | -6.66799121 | ns |
| TOP1MT | -0.00913933 | 0.038744892 | -0.910443 | 0.362603537 | 0.521617755 | -6.6680022 | ns |
| MORN4 | -0.01441315 | 0.11814595 | -0.90990259 | 0.362888483 | 0.521617755 | -6.66849066 | ns |
| ADD1 | -0.013069 | 0.017132858 | -0.90977062 | 0.362957971 | 0.521617755 | -6.67156723 | ns |
| GCLM | -0.00837409 | 0.058291975 | -0.90971239 | 0.362988794 | 0.521617755 | -6.66987285 | ns |
| CACNB3 | -0.01533877 | -0.01162826 | -0.90735742 | 0.364231904 | 0.523146661 | -6.6875755 | ns |
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| IL17D | -0.00657109 | 0.000777489 | -0.90510117 | 0.365426229 | 0.524346236 | -6.67542094 | ns |
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| ANP32C | 0.007559279 | 0.067964884 | 0.903389567 | 0.366333607 | 0.524874452 | -6.67649369 | ns |
| CA11 | 0.005943099 | 0.047150199 | 0.901863601 | 0.367143769 | 0.525777246 | -6.67788849 | ns |
| PAFAH2 | -0.00905987 | 0.031797092 | -0.89975441 | 0.368265155 | 0.527124633 | -6.68598371 | ns |
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| TWF2 | -0.01523753 | 0.016038867 | -0.89817089 | 0.369108416 | 0.52781419 | -6.69462854 | ns |

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| GIMAP7 | -0.00547036 | 0.012774345 | -0.89091551 | 0.372988649 | 0.530763575 | -6.68842621 | ns |
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| TPPP3 | 0.007468028 | 0.026668434 | 0.878055504 | 0.379927599 | 0.536017317 | -6.69917145 | ns |
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| NUDC | -0.01211814 | -0.0570737 | -0.87671814 | 0.380653312 | 0.536195328 | -6.71507803 | ns |
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| RASA1 | -0.00613705 | -0.0007947 | -0.87605977 | 0.381011506 | 0.536428928 | -6.70090974 | ns |
| ZPR1 | 0.016836909 | 0.223972318 | 0.87502444 | 0.381574545 | 0.536860586 | -6.70247272 | ns |
| GP5 | -0.00633693 | -0.03932689 | -0.87481984 | 0.381685814 | 0.536860586 | -6.70253858 | ns |
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| SCGB1A1 | -0.00998112 | -0.03176435 | -0.86001051 | 0.389796681 | 0.543815723 | -6.72363895 | ns |
| MPIG6B | -0.01423208 | -0.16822671 | -0.85929667 | 0.39019025 | 0.544104838 | -6.72503741 | ns |
| GLP1R | 0.006301237 | 0.040982294 | 0.854861712 | 0.392641292 | 0.547261371 | -6.71979215 | ns |
| HSD17B3 | -0.00824744 | 0.038744087 | -0.85388521 | 0.393182203 | 0.547753833 | -6.71876056 | ns |
| KLK10 | -0.00715171 | -0.01359044 | -0.84807046 | 0.396411915 | 0.551964286 | -6.73515725 | ns |
| PRSS22 | -0.00566325 | 0.007900904 | -0.84776463 | 0.396582559 | 0.551964286 | -6.72358867 | ns |
| TMED4 | 0.009588935 | 0.08490461 | 0.84648636 | 0.397294955 | 0.552692363 | -6.72500746 | ns |
| MFAP3 | 0.008825494 | 0.035822233 | 0.844265145 | 0.398534664 | 0.554152961 | -6.72849458 | ns |
| NFU1 | -0.01727879 | -0.04513239 | -0.84341177 | 0.399011235 | 0.55455155 | -6.74105315 | ns |
| KIR3DL1 | -0.0222394 | 8.5951209784 | -0.84292475 | 0.399283931 | 0.554666546 | -6.72895136 | ns |
| IL3RA | -0.00566543 | -0.01526634 | -0.84137874 | 0.400149109 | 0.555604088 | -6.73068201 | ns |
| CDA | -0.00807097 | 0.005324099 | -0.84066236 | 0.400550127 | 0.555896564 | -6.74357047 | ns |
| ACRV1 | 0.01246352 | 0.3736473 | 0.839511702 | 0.401195574 | 0.556313172 | -6.73050298 | ns |
| UNC79 | -0.00956802 | 0.06290999 | -0.83944794 | 0.40123135 | 0.556313172 | -6.7296882 | ns |
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| VIPR1 | 0.004002655 | 0.008147347 | 0.836734574 | 0.402755041 | 0.557895977 | -6.73408722 | ns |

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| ATF2 | -0.01261902 | 0.154533829 | -0.83636066 | 0.402965297 | 0.557922555 | -6.734666 | ns |
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| CCS | -0.00847055 | 0.028143193 | -0.83310813 | 0.404796777 | 0.559927328 | -6.74377028 | ns |
| LMOD2 | 0.010811011 | 0.087807676 | 0.832587325 | 0.405090696 | 0.560068576 | -6.73845612 | ns |
| SKIV2L | -0.00649846 | 0.03970892 | -0.83107784 | 0.405942859 | 0.560962406 | -6.73784249 | ns |
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| TET2 | 0.016836966 | 0.202701237 | 0.828691609 | 0.407291913 | 0.561652234 | -6.74607878 | ns |
| TMEM106A | -0.01161002 | 0.019383319 | -0.82851762 | 0.407390216 | 0.561652234 | -6.75375752 | ns |
| TMED1 | 0.009030241 | 0.028285274 | 0.827361214 | 0.408045289 | 0.561967955 | -6.74807317 | ns |
| WIF1 | 0.006109785 | 0.005403827 | 0.827136841 | 0.408172221 | 0.561967955 | -6.75748955 | ns |
| MILR1 | -0.00903419 | 0.004733664 | -0.82709446 | 0.408196587 | 0.561967955 | -6.74251632 | ns |
| TPRKB | 0.010634507 | 0.082619474 | 0.826041375 | 0.408793739 | 0.562524844 | -6.74077507 | ns |
| CORO6 | 0.006076871 | 0.031450729 | 0.825444092 | 0.40913257 | 0.562725909 | -6.74433719 | ns |
| LXN | -0.01146381 | 0.101115315 | -0.82421069 | 0.4098328 | 0.563072845 | -6.74838489 | ns |
| CNPY4 | -0.01353218 | -0.02078161 | -0.82407073 | 0.409912219 | 0.563072845 | -6.75176164 | ns |
| RTKN2 | 0.008464739 | 0.068110995 | 0.823981203 | 0.409963311 | 0.563072845 | -6.74367456 | ns |
| NRP2 | 0.005051894 | -0.00977445 | 0.823503882 | 0.410234289 | 0.563180124 | -6.75500582 | ns |
| IL17A | -0.00754815 | 0.032403889 | -0.82259692 | 0.410750237 | 0.563623445 | -6.74620053 | ns |
| FKBP14 | -0.01642653 | -0.03884897 | -0.82048501 | 0.41195227 | 0.564995537 | -6.76212328 | ns |
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| RBM19 | -0.00774734 | 0.061012731 | -0.81385877 | 0.415738753 | 0.568066055 | -6.75190673 | ns |
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| PIK3AP1 | -0.01083105 | 0.0190266 | -0.81209208 | 0.416751397 | 0.568651438 | -6.7639935 | ns |
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| TAP1 | -0.00967246 | 0.077547711 | -0.80976201 | 0.418089592 | 0.569678772 | -6.76238105 | ns |
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| PHYKPL | 0.006756922 | -0.02113701 | 0.803599178 | 0.42164111 | 0.57211526 | -6.7618958 | ns |
| LILRA4 | 0.008240175 | 0.083317148 | 0.802716051 | 0.422151564 | 0.572541834 | -6.760851 | ns |
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| ENSA | -0.00829268 | 0.040915338 | -0.79877708 | 0.42443196 | 0.57394004 | -6.77779316 | ns |
| IGLON5 | 0.014730435 | 0.259901331 | 0.798711082 | 0.424470586 | 0.57394004 | -6.76282372 | ns |
| ACOX1 | -0.00839964 | 0.023873932 | -0.7985593 | 0.424558385 | 0.57394004 | -6.7726085 | ns |
| COMT | -0.014432 | -0.0497991 | -0.79621328 | 0.425920737 | 0.575515295 | -6.76384643 | ns |
| CD93 | 0.005120293 | -0.00281538 | 0.795374081 | 0.426408761 | 0.575795921 | -6.75554477 | ns |
| REEP4 | -0.01018982 | 0.104006957 | -0.79517684 | 0.4265228 | 0.575795921 | -6.78243107 | ns |
| CBLN1 | 0.015286011 | 0.206291956 | 0.793907861 | 0.427261567 | 0.576526698 | -6.76969551 | ns |
| MDM1 | -0.00502097 | 0.006545231 | -0.790832 | 0.429054444 | 0.578678511 | -6.77145448 | ns |
| YY1 | 0.004368791 | 0.011204456 | 0.789576337 | 0.429787683 | 0.578954778 | -6.77089621 | ns |
| GTPBP2 | -0.01285584 | 0.035633194 | -0.78951341 | 0.429824379 | 0.578954778 | -6.77248921 | ns |
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| RAB39B | -0.0145044 | 0.211991087 | -0.78710505 | 0.431232783 | 0.580543903 | -6.77317461 | ns |
| FOLR3 | 0.032187506 | -2.48704626 | 0.785771467 | 0.432013472 | 0.581043943 | -6.78592447 | ns |
| FOXO1 | -0.01446461 | -0.01779692 | -0.78571454 | 0.432046877 | 0.581043943 | -6.78492408 | ns |
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| DDX53 | -0.00573534 | 0.00335894 | -0.78418257 | 0.432945281 | 0.581607098 | -6.77665486 | ns |
| CD3D | 0.005139023 | 0.032253359 | 0.784057931 | 0.433018435 | 0.581607098 | -6.77741344 | ns |

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| FKBP1B | 0.018593591 | 0.054004095 | 0.782884274 | 0.433707076 | 0.582035785 | -6.78981093 | ns |
| HMGCS1 | 0.006873048 | 0.023525376 | 0.782835149 | 0.433736256 | 0.582035785 | -6.7765032 | ns |
| LELP1 | -0.011548 | 0.057995305 | -0.78239308 | 0.433995887 | 0.582116669 | -6.77870842 | ns |
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| TPBGL | -0.00538834 | 0.053055573 | -0.64098857 | 0.521539826 | 0.663282358 | -6.87799029 | ns |
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| PTPRR | 0.004639228 | 0.016323987 | 0.63813846 | 0.52339298 | 0.664013425 | -6.89318998 | ns |
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| NAAA | 0.008119148 | 0.052243935 | 0.632194928 | 0.52726904 | 0.666526342 | -6.88751336 | ns |
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| CSNK1D | -0.00764384 | 0.102801037 | -0.59813006 | 0.54976216 | 0.686321295 | -6.90281459 | ns |
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| TMED10 | 0.006076713 | 0.0723704 | 0.595803063 | 0.551315767 | 0.686991306 | -6.90453844 | ns |
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| PLXDC1 | 0.004225177 | 0.029775412 | 0.574961972 | 0.565325616 | 0.701253525 | -6.91761311 | ns |
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| IL5 | 0.015278843 | 0.307193057 | 0.487766115 | 0.625722594 | 0.74942985 | -6.96406646 | ns |

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| SLC12A2 | 0.002549331 | 0.01478247 | 0.479512795 | 0.631580844 | 0.753765388 | -6.96663222 | ns |
| CLEC4M | 0.004650681 | 0.040276335 | 0.479393191 | 0.63166572 | 0.753765388 | -6.98009285 | ns |
| BRD3 | -0.00463449 | 0.040608058 | -0.4786395 | 0.632202073 | 0.754046878 | -6.96704772 | ns |
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| GPR101 | -0.00547472 | 0.112691005 | -0.44735991 | 0.654621646 | 0.771243836 | -6.98329744 | ns |
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| VSIG10 | 0.003035475 | 0.022119706 | 0.438316523 | 0.661162978 | 0.775339717 | -6.9992596 | ns |
| MED21 | 0.004555509 | 0.072308115 | 0.437666103 | 0.661634633 | 0.775581344 | -6.98569061 | ns |
| MAPK13 | -0.00374807 | -0.01175197 | -0.43723521 | 0.661947062 | 0.775636204 | -6.98466209 | ns |
| CCDC28A | 0.002572872 | -0.00903071 | 0.436827426 | 0.662242747 | 0.775671409 | -6.98725838 | ns |
| RIPK4 | -0.00590684 | 0.172018718 | -0.43435344 | 0.664038038 | 0.777462338 | -6.98712503 | ns |
| AMIGO1 | 0.004482498 | 0.071392548 | 0.433275478 | 0.664820833 | 0.778066867 | -6.98879305 | ns |
| USO1 | -0.00846583 | -0.04736892 | -0.43185959 | 0.665849554 | 0.778877976 | -6.99638566 | ns |
| ERVV-1 | 0.003952124 | 0.046614404 | 0.431587595 | 0.666047366 | 0.778877976 | -6.98831432 | ns |
| DOK2 | -0.01137718 | -0.04117119 | -0.42951794 | 0.667552386 | 0.780325447 | -6.99767802 | ns |
| HBZ | -0.00914619 | 0.091404729 | -0.4287074 | 0.668142137 | 0.780392952 | -7.00440604 | ns |
| SMAD2 | -0.00594383 | 0.062553313 | -0.42864237 | 0.668189481 | 0.780392952 | -7.00342508 | ns |
| EPN1 | -0.00374972 | 0.069220627 | -0.42833689 | 0.668411908 | 0.780392952 | -6.99689718 | ns |
| CNTNAP2 | -0.00375793 | -0.00203018 | -0.42759936 | 0.668948829 | 0.780707666 | -7.00071111 | ns |
| PDE1C | -0.00468941 | 0.090444885 | -0.42667224 | 0.669624183 | 0.781046211 | -6.98919333 | ns |
| PRR5 | 0.004038749 | 0.03743917 | 0.426466754 | 0.669773874 | 0.781046211 | -6.99015148 | ns |

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| APOE | 0.006117672 | 0.064077749 | 0.425029261 | 0.670821246 | 0.781643272 | -7.00575679 | ns |
| EGFL7 | -0.00364727 | -0.00495129 | -0.42251704 | 0.672653708 | 0.783465826 | -6.993121 | ns |
| CXCL1 | 0.008723995 | 0.068295683 | 0.419796032 | 0.674640354 | 0.785466441 | -7.00186978 | ns |
| DPEP2 | -0.00232521 | -0.00543528 | -0.41783377 | 0.676074524 | 0.786609614 | -7.00230415 | ns |
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| ARHGEF5 | 0.006256319 | 0.062920942 | 0.416498815 | 0.677050963 | 0.787331267 | -6.99653589 | ns |
| CASP2 | -0.00606349 | 0.02706732 | -0.41571907 | 0.677621397 | 0.787680923 | -7.00568681 | ns |
| TADA3 | -0.00331501 | 0.008539283 | -0.4151762 | 0.678018687 | 0.787829116 | -7.00906857 | ns |
| SPRED2 | 0.003789203 | 0.055718089 | 0.414297361 | 0.678662257 | 0.788149726 | -6.99523206 | ns |
| CALCOCO1 | -0.0093972 | 0.011091652 | -0.41406201 | 0.678834439 | 0.788149726 | -7.01008589 | ns |
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| VSTM2B | -0.00353292 | 0.074227913 | -0.41141723 | 0.680772395 | 0.789458059 | -7.00395318 | ns |
| PDIAS | 0.004947159 | 0.027333797 | 0.408353894 | 0.683019698 | 0.791749709 | -6.99678874 | ns |
| DIABLO | -0.00967331 | -0.02743327 | -0.40786225 | 0.683380538 | 0.791853639 | -7.00434253 | ns |
| SLAMF7 | -0.00513982 | -0.04434031 | -0.40719748 | 0.683868634 | 0.792104884 | -7.00916949 | ns |
| SUMF1 | -0.00547805 | 0.130165319 | -0.40596854 | 0.684771493 | 0.792786085 | -6.99862447 | ns |
| IL10 | 0.007113576 | 0.056158783 | 0.405062248 | 0.685437491 | 0.792786085 | -7.0007333 | ns |
| CD84 | 0.002729335 | -0.00421392 | 0.404853936 | 0.685590523 | 0.792786085 | -7.01011462 | ns |
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| KIR2DL3 | 0.006605967 | 0.005696045 | 0.404549736 | 0.685814264 | 0.792786085 | -7.00050007 | ns |
| PDCD1LG2 | 0.002667205 | -0.01851512 | 0.402598599 | 0.687249166 | 0.794130417 | -7.00851157 | ns |
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| DEFB116 | -0.00606494 | 0.196574092 | -0.40125726 | 0.688236411 | 0.794313564 | -7.00272512 | ns |
| ARHGEF10 | -0.00757392 | 0.042159981 | -0.40090476 | 0.688495763 | 0.794313564 | -7.01664647 | ns |
| IFIT1 | -0.00421406 | 0.039074776 | -0.40053139 | 0.688770773 | 0.794317005 | -7.00834259 | ns |
| UBQLN3 | 0.00383316 | 0.065592933 | 0.399790768 | 0.689316311 | 0.794474078 | -7.00144099 | ns |
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| GNPDA2 | -0.00292563 | 0.030758233 | -0.39893965 | 0.689943297 | 0.794474078 | -7.0035336 | ns |
| NPTN | 0.006987388 | 0.178361566 | 0.398869134 | 0.689995295 | 0.794474078 | -7.00276636 | ns |
| TRIM40 | 0.005766588 | 0.036227833 | 0.398408027 | 0.690335069 | 0.794551992 | -7.00319289 | ns |
| CSF2 | 0.002911675 | 0.012711188 | 0.397620909 | 0.690915292 | 0.794906482 | -7.00230018 | ns |
| NFIC | 0.003497649 | 0.05872239 | 0.396645248 | 0.691634533 | 0.795420574 | -7.01833373 | ns |
| ITPRIP | 0.003682974 | 0.085454469 | 0.395310619 | 0.692619256 | 0.79623946 | -7.00507734 | ns |
| RGS8 | 0.00560038 | 0.149895962 | 0.393376492 | 0.694046981 | 0.797424073 | -7.00536649 | ns |
| KLK6 | 0.00248222 | -0.00094985 | 0.393174708 | 0.694195888 | 0.797424073 | -7.0156404 | ns |
| TCP11 | -0.0046931 | 0.119664768 | -0.39023837 | 0.696365733 | 0.799602022 | -7.0123847 | ns |
| ATP5PO | -0.00337444 | -0.00259435 | -0.3888522 | 0.69739098 | 0.800464489 | -7.00692664 | ns |
| LYZL2 | -0.00278414 | 0.034659601 | -0.38767228 | 0.698264062 | 0.801151694 | -7.00496354 | ns |
| PPM1F | -0.00410915 | 0.009556691 | -0.38699366 | 0.698766219 | 0.801412946 | -7.02130541 | ns |
| MUC13 | -0.00402348 | -0.03085114 | -0.3853808 | 0.699960749 | 0.80246776 | -7.00826125 | ns |
| PTPRN2 | 0.00259687 | -0.00382663 | 0.38449295 | 0.7006185 | 0.802619632 | -7.01228236 | ns |
| ADGRE5 | -0.00246093 | 0.006426324 | -0.38445984 | 0.70064296 | 0.802619632 | -7.01955996 | ns |
| FKBP5 | -0.00790955 | -0.06021899 | -0.38368644 | 0.701216203 | 0.802853895 | -7.01534039 | ns |
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| ARFIP1 | 0.005319353 | 0.050202676 | 0.381866938 | 0.702565292 | 0.803875648 | -7.02404794 | ns |
| PSTPIP2 | -0.00830316 | -0.0979737 | -0.38009192 | 0.703882714 | 0.805005498 | -6.99288842 | ns |
| AKT3 | 0.004683448 | 0.020927993 | 0.379793467 | 0.704104124 | 0.805005498 | -7.00738579 | ns |
| CDK1 | -0.00278086 | -0.01174814 | -0.37647175 | 0.70657153 | 0.80751032 | -7.00921344 | ns |
| ACADSB | -0.0066134 | 0.063970581 | -0.37600037 | 0.706921772 | 0.807594513 | -7.02547133 | ns |
| RRM2B | -0.00547206 | 0.014017249 | -0.37464889 | 0.707926888 | 0.808426482 | -7.01206945 | ns |
| DSG4 | 0.004042903 | 0.019924538 | 0.373692622 | 0.708638205 | 0.808701791 | -7.01843783 | ns |
| CEND1 | 0.004367506 | 0.07432179 | 0.3729416 | 0.709197152 | 0.808701791 | -7.01361099 | ns |
| METAP1 | 0.002416538 | 0.010479665 | 0.372936687 | 0.709200812 | 0.808701791 | -7.01294718 | ns |
| BRME1 | -0.00309962 | 0.022215792 | -0.37283595 | 0.709275783 | 0.808701791 | -7.01365012 | ns |
| GFRAL | -0.00457663 | 0.029409398 | -0.37161016 | 0.710188368 | 0.809426243 | -7.01182704 | ns |
| CNGB3 | 0.004114533 | 0.079514158 | 0.368107428 | 0.7127983 | 0.812060591 | -7.0153899 | ns |
| HADH | -0.00482805 | 0.121435639 | -0.36751967 | 0.713236598 | 0.812060591 | -7.01373682 | ns |
| MINDY1 | -0.00802418 | -0.0426184 | -0.36738881 | 0.713334046 | 0.812060591 | -7.02764185 | ns |
| KIFBP | -0.00657403 | -0.1074722 | -0.36699533 | 0.713627575 | 0.812078144 | -7.02211891 | ns |
| UNG | 0.002546827 | 0.002390642 | 0.364872661 | 0.715211457 | 0.81356348 | -7.02855693 | ns |
| PKN3 | -0.00546306 | 0.05040816 | -0.36413413 | 0.715762893 | 0.813630191 | -7.02216412 | ns |
| STXBP3 | -0.00339212 | 0.054212812 | -0.363696 | 0.71609014 | 0.813630191 | -7.01608521 | ns |
| GAD2 | 0.003351731 | 0.056749684 | 0.363674736 | 0.716106024 | 0.813630191 | -7.01478803 | ns |

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| BIRC2 | -0.00505022 | 0.039239979 | -0.36307024 | 0.716557517 | 0.813826508 | -7.01631104 | ns |
| CDFN | 0.002368992 | -0.00268305 | 0.361610448 | 0.71764815 | 0.814748289 | -7.02406737 | ns |
| MNAT1 | 0.003214867 | 0.041180447 | 0.360480454 | 0.718492858 | 0.815390263 | -7.0234789 | ns |
| CASP8 | -0.00482416 | 0.032287333 | -0.35985666 | 0.71895924 | 0.815602557 | -7.03157012 | ns |
| AKR1B1 | -0.00585849 | -0.02913306 | -0.35864811 | 0.719863387 | 0.816000523 | -7.01789585 | ns |
| SH3GL3 | 0.006232309 | -0.01478156 | 0.358304377 | 0.720120528 | 0.816000523 | -7.02072749 | ns |
| TPM3 | 0.003115363 | 0.046215884 | 0.358267181 | 0.720148407 | 0.816000523 | -7.0170714 | ns |
| TIMM8A | 0.006265229 | 0.032083689 | 0.357423497 | 0.720779655 | 0.816099948 | -7.03199017 | ns |
| ACADM | -0.00502468 | 0.12953047 | -0.35712482 | 0.721003299 | 0.816099948 | -7.02467475 | ns |
| STAT5B | -0.01066526 | -0.04174943 | -0.35702955 | 0.721074612 | 0.816099948 | -7.02570225 | ns |
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| PGLYRP2 | -0.00217261 | -0.03856765 | -0.35580193 | 0.721993814 | 0.816507334 | -7.02478721 | ns |
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| CR2 | -0.00352218 | 0.002131041 | -0.35353967 | 0.723688748 | 0.81779069 | -7.02897153 | ns |
| FGF2 | -0.0051085 | 0.05881199 | -0.35216836 | 0.72471684 | 0.818635656 | -7.02992246 | ns |
| GLYR1 | -0.00427629 | 0.120905003 | -0.35142999 | 0.725270582 | 0.818944355 | -7.03333924 | ns |
| MAP2K6 | -0.0076595 | -0.04439432 | -0.35036701 | 0.726068089 | 0.819527955 | -7.03055096 | ns |
| KRT6C | 0.00263623 | 0.040945078 | 0.345431493 | 0.729774838 | 0.823393558 | -7.02155657 | ns |
| BAMBI | 0.002112581 | 0.002512311 | 0.34444 | 0.730520227 | 0.823843422 | -7.02285635 | ns |
| XIAP | 0.004039013 | 0.048017503 | 0.344150618 | 0.73073783 | 0.823843422 | -7.02165032 | ns |
| EHD3 | 0.008057266 | -0.09078662 | 0.342727874 | 0.731807969 | 0.824361188 | -7.02341348 | ns |
| EP300 | 0.002040424 | 0.001158383 | 0.342460247 | 0.732009343 | 0.824361188 | -7.02222664 | ns |
| RAD51 | -0.00372621 | 0.045274108 | -0.34241405 | 0.732044027 | 0.824361188 | -7.02978526 | ns |
| RNF4 | -0.00455875 | 0.127070525 | -0.3404501 | 0.733522279 | 0.825707423 | -7.03045127 | ns |
| INPP5J | -0.00283699 | 0.024664776 | -0.33670439 | 0.736344307 | 0.828564692 | -7.04016606 | ns |
| NEXN | -0.00470307 | 0.069892856 | -0.33560321 | 0.737174654 | 0.829179503 | -7.03858423 | ns |
| KRT17 | 0.002609722 | -0.00040967 | 0.334069343 | 0.738331893 | 0.830161389 | -7.02539033 | ns |
| MRPS16 | -0.00196708 | 0.03521769 | -0.33285396 | 0.739249165 | 0.830825595 | -7.02544795 | ns |
| PCDH17 | -0.00245353 | 0.01419953 | -0.33253259 | 0.739491685 | 0.830825595 | -7.03438202 | ns |
| NAP1L4 | -0.00272771 | -0.02855715 | -0.32933973 | 0.741903389 | 0.833214575 | -7.03905141 | ns |
| IL6ST | -0.00122119 | -0.00855254 | -0.32700089 | 0.743671685 | 0.8348794 | -7.03619386 | ns |
| EDF1 | -0.00456642 | 0.083597385 | -0.32601687 | 0.744415984 | 0.835393802 | -7.04368389 | ns |
| DEFB104A_DE | -0.00360926 | 0.097146164 | -0.32509256 | 0.745115533 | 0.835553683 | -7.03019673 | ns |
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| NRXN3 | 0.002345572 | 0.05584233 | 0.32411438 | 0.745855925 | 0.836045797 | -7.02984819 | ns |
| CEACAM1 | -0.00142186 | -0.00458456 | -0.32160576 | 0.747755737 | 0.837568644 | -7.04211124 | ns |
| GPC5 | 0.003873517 | 0.023330055 | 0.321563013 | 0.74778817 | 0.837568644 | -7.03709831 | ns |
| IL1RL1 | 0.003232423 | -0.03532132 | 0.320964315 | 0.748241776 | 0.83773685 | -7.04280322 | ns |
| IL2RG | 0.002287222 | 0.025331718 | 0.320215712 | 0.748809144 | 0.83773685 | -7.04375161 | ns |
| SEMA4C | -0.00187033 | 0.004560033 | -0.31957826 | 0.74929242 | 0.83773685 | -7.03828647 | ns |
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| CD177 | 0.008818457 | -0.24156238 | 0.319303109 | 0.749501023 | 0.83773685 | -7.04023054 | ns |
| CSF1R | -0.00250629 | 0.001406766 | -0.31909376 | 0.749659722 | 0.83773685 | -7.04395242 | ns |
| ST8SIA1 | 0.003191244 | 0.0905163 | 0.31812998 | 0.750390762 | 0.838232986 | -7.03020752 | ns |
| NDUFS6 | -0.00537668 | 0.046530358 | -0.31637377 | 0.751723213 | 0.839400299 | -7.032066 | ns |
| DNLZ | 0.005774815 | 0.235143263 | 0.31438954 | 0.753229549 | 0.840760812 | -7.03359549 | ns |
| PFDN4 | -0.003451 | 0.061249285 | -0.31352421 | 0.753886782 | 0.841172872 | -7.03078054 | ns |
| HYAL1 | -0.00152542 | -0.01284062 | -0.31277425 | 0.754456468 | 0.84148697 | -7.03816545 | ns |
| SMPDL3B | 0.004750924 | 0.164424298 | 0.309994508 | 0.756569314 | 0.84314898 | -7.04695083 | ns |
| TNFSF13 | -0.00172544 | -0.01283804 | -0.30991095 | 0.756632865 | 0.84314898 | -7.04515854 | ns |
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| CD207 | -0.00250967 | -0.00969881 | -0.30881912 | 0.757463401 | 0.843551918 | -7.03361645 | ns |
| TNNI3 | -0.00552754 | -0.10155824 | -0.30833696 | 0.757830206 | 0.843638659 | -7.03522812 | ns |
| SMPD3 | 0.003686339 | 0.115722524 | 0.306574328 | 0.759171642 | 0.844809906 | -7.03379213 | ns |
| PGM2 | 0.003719967 | 0.097148545 | 0.304558069 | 0.760706953 | 0.846195925 | -7.03595329 | ns |
| IL17RA | 0.002902358 | -0.04241618 | 0.302596883 | 0.762201185 | 0.847296796 | -7.04632493 | ns |
| MUC16 | -0.0122629 | -0.57778733 | -0.30249751 | 0.762276946 | 0.847296796 | -7.04356331 | ns |
| CRH | 0.005702849 | 0.086425125 | 0.299360506 | 0.76466914 | 0.849632378 | -7.03618711 | ns |
| SLC4A1 | -0.00293315 | 0.081927052 | -0.29818507 | 0.765565918 | 0.850305241 | -7.05112204 | ns |
| SERPINA4 | -0.00139013 | -0.0074732 | -0.29459242 | 0.768309283 | 0.853027798 | -7.04260036 | ns |
| SCRN1 | -0.00352088 | 0.043232895 | -0.29217452 | 0.77015714 | 0.854409909 | -7.0491207 | ns |
| OFD1 | 0.003834175 | 0.153501516 | 0.292029415 | 0.770268102 | 0.854409909 | -7.04566006 | ns |
| PSMA1 | -0.00298877 | 0.049360822 | -0.2918152 | 0.770431949 | 0.854409909 | -7.03948289 | ns |
| OSTN | -0.00247256 | 0.042508414 | -0.28905878 | 0.772540359 | 0.856422874 | -7.04052206 | ns |
| MANEAL | 0.002950894 | -0.01158438 | 0.287346481 | 0.773850999 | 0.857550253 | -7.03859106 | ns |
| CEACAM18 | 0.003843 | 0.137896503 | 0.28584192 | 0.775003077 | 0.858198344 | -7.04743573 | ns |

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| IFNW1 | 0.002021616 | 0.040090482 | 0.285815151 | 0.775023641 | 0.858198344 | -7.04024354 | ns |
| SAT1 | -0.00285389 | 0.094941549 | -0.28387166 | 0.776512648 | 0.859521203 | -7.04079332 | ns |
| MYH7B | -0.00247141 | 0.05545574 | -0.28337845 | 0.77689065 | 0.859613754 | -7.03971559 | ns |
| TMPRSS11B | -0.00439635 | 0.181872052 | -0.28269808 | 0.777412168 | 0.859864974 | -7.04299199 | ns |
| TMED8 | -0.00583342 | -0.03805682 | -0.28085219 | 0.778827529 | 0.860828913 | -7.05516403 | ns |
| UBE2Z | -0.00338251 | 0.096815073 | -0.28079268 | 0.778873284 | 0.860828913 | -7.04131169 | ns |
| GGA1 | 0.004191192 | 0.162136785 | 0.27974812 | 0.779674597 | 0.861099205 | -7.04314999 | ns |
| DLL4 | 0.00488877 | 0.096239804 | 0.279705056 | 0.779707636 | 0.861099205 | -7.04289264 | ns |
| PTGR1 | 0.004561475 | 0.000851081 | 0.278059402 | 0.780970471 | 0.862167779 | -7.05728721 | ns |
| BRD2 | 0.001910072 | 0.017556094 | 0.277297718 | 0.781555313 | 0.862487345 | -7.04449372 | ns |
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| MAPKAPK2 | 0.001617664 | 0.020175084 | 0.10882726 | 0.913340932 | 0.950725527 | -7.08213028 | ns |
| OSBPL2 | 0.000838997 | 0.06493277 | 0.108664551 | 0.913469966 | 0.950725527 | -7.08957504 | ns |
| MRPL52 | -0.00055553 | -0.00228687 | -0.10849038 | 0.913608161 | 0.950725527 | -7.07229528 | ns |
| SESTD1 | 0.001494084 | 0.061696307 | 0.107884684 | 0.914088603 | 0.950886612 | -7.07623164 | ns |
| GBP2 | -0.00136836 | -0.01985941 | -0.10725368 | 0.914589157 | 0.951068497 | -7.07649646 | ns |
| FGD3 | 0.001721498 | 0.024898097 | 0.106164664 | 0.915453078 | 0.951627977 | -7.09087554 | ns |
| NEB | -0.00079752 | 0.034835709 | -0.10573206 | 0.915796354 | 0.951646034 | -7.07525682 | ns |
| NOS2 | -0.00083875 | 0.013017128 | -0.10383139 | 0.917304542 | 0.95287416 | -7.07545461 | ns |
| RNF5 | -0.00150023 | -0.09088716 | -0.10268476 | 0.918214532 | 0.953426098 | -7.07650592 | ns |
| GRAP2 | -0.00284401 | -0.10292451 | -0.10233904 | 0.918488909 | 0.953426098 | -7.08409619 | ns |
| CRKL | -0.00236038 | -0.08170865 | -0.10172381 | 0.918977229 | 0.953593998 | -7.08600784 | ns |
| EDEM2 | -0.00073864 | 0.051127624 | -0.09976876 | 0.920529242 | 0.954571462 | -7.07586535 | ns |
| IL24 | -0.00103854 | 0.030004918 | -0.0997136 | 0.920573027 | 0.954571462 | -7.07727139 | ns |
| HTRA2 | 0.001261381 | 0.025624336 | 0.095153292 | 0.924194304 | 0.957658591 | -7.08898317 | ns |
| DNM1 | 0.002184268 | -0.09300698 | 0.095138397 | 0.924206133 | 0.957658591 | -7.08984388 | ns |
| BTN1A1 | 0.000744845 | 0.047315714 | 0.093974664 | 0.925130504 | 0.958276365 | -7.08930209 | ns |
| TYMP | -0.00134104 | -0.02481184 | -0.09355524 | 0.925463698 | 0.958281559 | -7.08237511 | ns |
| ADCYAP1R1 | -0.00067754 | 0.027351203 | -0.09229623 | 0.926463916 | 0.958977183 | -7.07753888 | ns |
| RAB33A | -0.00121333 | 0.04945868 | -0.08925757 | 0.928878405 | 0.961135699 | -7.07685197 | ns |
| ERBB3 | -0.00035803 | 0.004432797 | -0.0866875 | 0.930921053 | 0.962908068 | -7.08415614 | ns |
| MEGF11 | 0.000570725 | 0.039142756 | 0.085831427 | 0.931601567 | 0.9631244 | -7.07714985 | ns |
| MN1 | -0.00100935 | 0.082549626 | -0.08559454 | 0.931789873 | 0.9631244 | -7.0783751 | ns |
| SLK | -0.00137477 | 0.186272559 | -0.08480585 | 0.932416855 | 0.963431429 | -7.08444021 | ns |
| YES1 | -0.00204993 | -0.03419532 | -0.08257828 | 0.934187949 | 0.96491999 | -7.08561989 | ns |
| CALY | -0.00060638 | 0.022474385 | -0.08131764 | 0.935190426 | 0.965339796 | -7.0775245 | ns |
| HK2 | -0.00046415 | -0.00680668 | -0.08123571 | 0.935255577 | 0.965339796 | -7.07916139 | ns |
| PTPRH | 0.000771961 | 0.034601966 | 0.080397066 | 0.935922501 | 0.96568682 | -7.09112904 | ns |
| BNIP2 | 0.000546074 | 0.009900216 | 0.079715526 | 0.936464541 | 0.96580648 | -7.09253182 | ns |
| DRG2 | 0.000974739 | 0.044038546 | 0.079143324 | 0.936919659 | 0.96580648 | -7.08589577 | ns |
| PAK4 | -0.00103946 | 0.074696987 | -0.07889306 | 0.937118734 | 0.96580648 | -7.07892058 | ns |
| VTA1 | -0.00121413 | 0.019069895 | -0.07858781 | 0.937361494 | 0.96580648 | -7.0935594 | ns |

| | | | | | | | |
|-----------|--------------|-------------|-------------|-------------|-------------|-------------|----|
| CRX | -0.00183673 | 0.339559902 | -0.07782938 | 0.937964813 | 0.966087215 | -7.07943045 | ns |
| SPP1 | 0.000732484 | -0.01950902 | 0.076657523 | 0.938896987 | 0.966706348 | -7.09236657 | ns |
| PNPT1 | 0.002000281 | 0.41178701 | 0.075684747 | 0.939670914 | 0.967162167 | -7.07936426 | ns |
| CDC123 | -0.00095649 | 0.071682469 | -0.072724 | 0.942026719 | 0.969156897 | -7.07696455 | ns |
| BHLHE40 | 0.001031449 | 0.084472553 | 0.072414822 | 0.94227275 | 0.969156897 | -7.08007357 | ns |
| MUCL3 | 0.000641328 | 0.075296659 | 0.070697575 | 0.943639392 | 0.969770165 | -7.07710886 | ns |
| GART | 0.000382427 | 0.018293948 | 0.070436259 | 0.94384734 | 0.969770165 | -7.09400937 | ns |
| IMPA1 | 0.000922742 | 0.039305942 | 0.070278201 | 0.943973153 | 0.969770165 | -7.08599703 | ns |
| IL9 | 0.000793471 | 0.088876583 | 0.069873458 | 0.944295294 | 0.969770165 | -7.08558725 | ns |
| PSCA | -0.00358042 | -1.29913264 | -0.0692634 | 0.944780854 | 0.969770165 | -7.09195661 | ns |
| SLC44A4 | 0.000952654 | 0.144008815 | 0.069161875 | 0.944861685 | 0.969770165 | -7.07963792 | ns |
| DCBLD2 | -0.00047632 | -0.02543758 | -0.06629527 | 0.94714361 | 0.971770675 | -7.09129711 | ns |
| CBLIF | 0.000946504 | 0.023234483 | 0.063499609 | 0.949369501 | 0.973712309 | -7.08668475 | ns |
| ARNTL | -0.00065294 | 0.106952634 | -0.06176294 | 0.950752437 | 0.974788314 | -7.07891384 | ns |
| SMPDL3A | -0.0008537 | -0.0438468 | -0.06084063 | 0.951486925 | 0.974932868 | -7.09042558 | ns |
| ENO1 | -0.00101479 | -0.04632522 | -0.0596618 | 0.952425777 | 0.974932868 | -7.08933537 | ns |
| MAEA | -0.0005031 | 0.026024076 | -0.05951291 | 0.952544377 | 0.974932868 | -7.08001023 | ns |
| S100A3 | 0.000518586 | 0.060646191 | 0.059100394 | 0.952872909 | 0.974932868 | -7.09294328 | ns |
| NGF | -0.0001513 | -0.00377047 | -0.05877605 | 0.953131257 | 0.974932868 | -7.08673421 | ns |
| PLA2G4A | 0.001113623 | -0.02162898 | 0.058321699 | 0.95349314 | 0.974932868 | -7.09116954 | ns |
| IL17F | -0.00098328 | 0.155523911 | -0.05824426 | 0.953554838 | 0.974932868 | -7.08052416 | ns |
| NEK7 | 0.000873993 | 0.112703258 | 0.058232147 | 0.953564477 | 0.974932868 | -7.08632786 | ns |
| ATF4 | 0.000401328 | 0.019725045 | 0.05760879 | 0.954061014 | 0.975099112 | -7.07794277 | ns |
| CD1C | 0.000279515 | -0.00175217 | 0.055424933 | 0.95580065 | 0.976535303 | -7.09195425 | ns |
| GATA3 | 0.000287299 | -0.00430468 | 0.054250543 | 0.956736274 | 0.977149325 | -7.0781293 | ns |
| KRT8 | 0.000653344 | 0.035507696 | 0.053636748 | 0.957225288 | 0.977306938 | -7.08124898 | ns |
| TPT1 | 0.000737509 | 0.091322776 | 0.051794316 | 0.958693269 | 0.978463595 | -7.0808766 | ns |
| MANF | -0.0013277 | -0.25297915 | -0.05091321 | 0.959395342 | 0.978791374 | -7.09157146 | ns |
| CTSC | -0.00045397 | 0.006153173 | -0.05054992 | 0.95968483 | 0.978791374 | -7.08785396 | ns |
| RNF31 | -0.00036116 | 0.023818947 | -0.04901717 | 0.960906261 | 0.979608166 | -7.07926985 | ns |
| EPB41L5 | 0.000625855 | 0.057211143 | 0.048702983 | 0.961156642 | 0.979608166 | -7.08083535 | ns |
| TYRO3 | -0.00028675 | -0.01199441 | -0.04698403 | 0.962526568 | 0.980466644 | -7.08820117 | ns |
| PPY | -0.0010222 | 0.035545384 | -0.04680343 | 0.962670503 | 0.980466644 | -7.09183814 | ns |
| ACSL1 | 0.000339506 | 0.04898679 | 0.045521734 | 0.963692056 | 0.981164855 | -7.07977907 | ns |
| TNPO1 | 0.000321388 | 0.009632085 | 0.04472832 | 0.964324445 | 0.981466497 | -7.08701834 | ns |
| SLAMF1 | -0.000561 | -0.07847509 | -0.04395534 | 0.964940587 | 0.981751398 | -7.08124932 | ns |
| PAPPA | -0.00042527 | -0.02010484 | -0.04297044 | 0.965725662 | 0.981765724 | -7.08129183 | ns |
| SAP18 | 0.00062727 | 0.092825761 | 0.042703692 | 0.965938295 | 0.981765724 | -7.08710625 | ns |
| SPINT3 | -0.00125953 | 0.982776912 | -0.04267228 | 0.965963331 | 0.981765724 | -7.09343491 | ns |
| C1GALT1C1 | 0.000263961 | 0.008485413 | 0.040591519 | 0.967622084 | 0.983109425 | -7.07998989 | ns |
| REPS1 | -0.00030766 | 0.031770094 | -0.03906501 | 0.968839079 | 0.984003517 | -7.07970514 | ns |
| SHH | -0.00033705 | 0.006178161 | -0.03857082 | 0.969233081 | 0.984061404 | -7.07972419 | ns |
| PDGFRB | -0.00027836 | -0.0410986 | -0.03685902 | 0.970597892 | 0.985104569 | -7.09560445 | ns |
| LYAR | 0.000419385 | 0.053242901 | 0.035408343 | 0.971754602 | 0.985755189 | -7.0811464 | ns |
| TBCB | 0.000770421 | -0.11186307 | 0.035208297 | 0.971914106 | 0.985755189 | -7.08783422 | ns |
| RUVBL1 | 0.000776078 | 0.285223451 | 0.034152336 | 0.972756128 | 0.98626663 | -7.08118979 | ns |
| ITGA2 | -0.0002224 | 0.018631455 | -0.0328887 | 0.973763779 | 0.986859787 | -7.08202787 | ns |
| SCN3A | 0.000242024 | 0.037731567 | 0.032532127 | 0.974048126 | 0.986859787 | -7.08148767 | ns |
| BCL7B | -0.00029677 | 0.057095201 | -0.03158296 | 0.974805039 | 0.986859787 | -7.09418263 | ns |
| NT5C | 0.000471461 | 0.006915487 | 0.031483917 | 0.974884024 | 0.986859787 | -7.09519561 | ns |
| ELOB | -0.00023815 | 0.021645314 | -0.03040103 | 0.975747627 | 0.986859787 | -7.08034913 | ns |
| WASF3 | -0.00054597 | -0.02752928 | -0.03029583 | 0.975831524 | 0.986859787 | -7.08155554 | ns |
| AKT2 | -0.00075642 | -0.03975172 | -0.02975337 | 0.976264129 | 0.986859787 | -7.09603381 | ns |
| CEACAM3 | -0.00029379 | 0.01329305 | -0.02938556 | 0.976557479 | 0.986859787 | -7.08134019 | ns |
| LRTM1 | 0.000245889 | 0.042338354 | 0.029304057 | 0.976622478 | 0.986859787 | -7.08158679 | ns |
| TEX101 | 0.000288222 | 0.099581517 | 0.029180754 | 0.976720816 | 0.986859787 | -7.08159037 | ns |
| IL36A | -0.00032175 | 0.067156102 | -0.02844779 | 0.977305383 | 0.987108861 | -7.08006107 | ns |
| TPPP2 | -0.00043107 | 0.081118914 | -0.02708077 | 0.978395663 | 0.987868374 | -7.08764768 | ns |
| TBL1X | 0.000481207 | -0.04315182 | 0.025953924 | 0.979294434 | 0.988434064 | -7.08143449 | ns |
| PDIA2 | 0.000180352 | 0.033149884 | 0.021862613 | 0.982557839 | 0.991385241 | -7.07935339 | ns |
| NARS1 | -0.00019117 | -0.05037414 | -0.02000806 | 0.984037198 | 0.992534928 | -7.09627467 | ns |
| PRKAG3 | -0.00012437 | 0.025996868 | -0.01898648 | 0.984852141 | 0.992712462 | -7.0818342 | ns |
| THAP12 | 0.000350161 | 0.18956309 | 0.018850664 | 0.984960488 | 0.992712462 | -7.0778704 | ns |
| RAC3 | -0.00025318 | 0.160196769 | -0.0185089 | 0.985233122 | 0.992712462 | -7.0818431 | ns |
| PSMC3 | -0.00010575 | 0.012868642 | -0.01706404 | 0.986385752 | 0.993531009 | -7.07944614 | ns |
| ENPP2 | 9.0744968675 | 0.021937929 | 0.016050079 | 0.987194646 | 0.993982905 | -7.09615128 | ns |

| | | | | | | | |
|----------|--------------|-------------|-------------|-------------|-------------|-------------|----|
| CD226 | -0.00013011 | 0.018159776 | -0.01564826 | 0.987515208 | 0.993982905 | -7.08034134 | ns |
| SH3BGR2 | -0.00018254 | 0.113726286 | -0.01468972 | 0.988279915 | 0.994409839 | -7.08257043 | ns |
| AKR1B10 | -0.00016798 | 0.019895561 | -0.01396623 | 0.988857107 | 0.994607191 | -7.08191635 | ns |
| DAPP1 | 0.00035727 | -0.27996901 | 0.013589964 | 0.989157288 | 0.994607191 | -7.09142493 | ns |
| ITGB1BP2 | -0.00029718 | -0.09242788 | -0.0123934 | 0.990111914 | 0.995224368 | -7.08236215 | ns |
| NAA10 | 0.000121365 | -0.00064846 | 0.011884909 | 0.990517595 | 0.99527214 | -7.08073793 | ns |
| BRAP | -0.00025303 | -0.07880488 | -0.01147938 | 0.990841134 | 0.99527214 | -7.08955563 | ns |
| ICAM3 | -5.86E-05 | -0.01010071 | -0.01069428 | 0.991467501 | 0.995558839 | -7.09622242 | ns |
| ADAMTS1 | -5.23E-05 | -0.00245939 | -0.00835831 | 0.993331223 | 0.996703413 | -7.08042824 | ns |
| PBLD | -9.21E-05 | 0.022806931 | -0.00833678 | 0.993348402 | 0.996703413 | -7.0819768 | ns |
| IGFBP7 | 4.6194056785 | -0.01732856 | 0.007757623 | 0.993810474 | 0.996703413 | -7.09624933 | ns |
| BCL7A | -9.47E-05 | 0.052545431 | -0.00747032 | 0.994039706 | 0.996703413 | -7.07956302 | ns |
| IL1R1 | -3.30E-05 | -0.01258122 | -0.00712645 | 0.994314055 | 0.996703413 | -7.09069461 | ns |
| GPR15L | -6.68E-05 | -0.06430246 | -0.00550806 | 0.995605299 | 0.997655276 | -7.09432422 | ns |
| ISM2 | 2.7987201173 | 0.006836245 | 0.003272635 | 0.997388862 | 0.999099649 | -7.09527716 | ns |
| AGR3 | -3.37E-05 | 0.008485074 | -0.00260714 | 0.997919838 | 0.999288727 | -7.08091329 | ns |
| HPGDS | 1.6601369132 | 0.012222108 | 0.00209735 | 0.998326586 | 0.999353319 | -7.0817668 | ns |
| RPA2 | -7.66E-06 | 0.022340899 | -0.00123076 | 0.999018009 | 0.999702737 | -7.08046218 | ns |
| TYRP1 | -3.68E-06 | -0.04533902 | -0.00029764 | 0.99976252 | 0.999800741 | -7.08046289 | ns |
| TNFRSF21 | -1.38E-06 | -0.00547418 | -0.00024974 | 0.999800741 | 0.999800741 | -7.09662684 | ns |

Health-conscious vs Sweet-tooth

| | logFC | AveExpr | t | P.Value | adj.P.Val | B | protein_type |
|----------|-------------|-------------|-------------|--------------|--------------|-------------|--------------|
| CFH | -0.09397966 | -0.04566867 | -16.1634056 | 2.9367184728 | 8.5752179408 | 121.5526319 | ns |
| LEP | -0.35882666 | -0.17409801 | -15.7261954 | 2.7092842372 | 3.955549863 | 114.8007534 | down |
| SERPINF1 | -0.08677468 | -0.03790164 | -14.269743 | 6.6704551180 | 6.4925763148 | 93.38929077 | ns |
| HGF | -0.11998452 | -0.04313962 | -14.2415434 | 9.8177174269 | 7.1669337217 | 93.00755069 | ns |
| RARRES2 | -0.16668028 | -0.0752127 | -14.0820383 | 9.2870216015 | 5.4236206153 | 90.78334709 | ns |
| APCS | -0.11375804 | -0.08561453 | -13.716694 | 1.4379768904 | 6.9981541999 | 85.79394951 | ns |
| TNFRSF1A | -0.08712003 | -0.02483846 | -13.6603332 | 3.0911189037 | 1.1416051802 | 85.03683191 | ns |
| IL1RN | -0.18662727 | -0.00163616 | -13.65964 | 3.1276854252 | 1.1416051802 | 85.02517927 | ns |
| FSTL3 | -0.09611796 | -0.0245828 | -13.4667553 | 4.2063760520 | 1.3647353413 | 82.45431684 | ns |
| CFI | -0.06399492 | -0.0294017 | -13.4494888 | 5.2650610434 | 1.5373978246 | 82.23207826 | ns |
| INHBC | -0.14162588 | -0.10462579 | -13.4080919 | 9.1874997595 | 2.4388635725 | 81.68149838 | ns |
| FABP4 | -0.18421798 | -0.0562609 | -13.3838427 | 1.2628404207 | 3.0729116905 | 81.36667903 | ns |
| ADM | -0.09031473 | -0.05568744 | -13.3578998 | 1.7822749323 | 4.0032636940 | 81.02583918 | ns |
| IL18R1 | -0.10605834 | -0.03755503 | -13.3323925 | 2.4990341112 | 5.2122711462 | 80.6915249 | ns |
| REL1 | -0.08116719 | -0.03067685 | -13.3246015 | 2.7857119510 | 5.4228525980 | 80.58435599 | ns |
| GFRA1 | -0.08174504 | -0.0221911 | -13.2118715 | 1.2273681243 | 2.2399468269 | 79.11739546 | ns |
| GGH | -0.11031756 | -0.04112374 | -13.1207329 | 4.1095849388 | 7.0588164832 | 77.92335686 | ns |
| CST3 | -0.08172858 | -0.04064463 | -13.0024954 | 1.8917268624 | 3.0688013546 | 76.41312978 | ns |
| CSF1 | -0.07815317 | -0.0134698 | -12.9089821 | 6.2977617667 | 9.6786654519 | 75.22365523 | ns |
| BPIFB2 | -0.18113721 | 0.05996641 | -12.4114864 | 3.3315487470 | 4.8640611707 | 69.02453044 | ns |
| STC1 | -0.12433762 | -0.02194037 | -12.3193618 | 1.0355012971 | 1.4398398989 | 67.90346501 | ns |
| EPHA1 | -0.09676917 | -0.0608638 | -12.3025159 | 1.2768088164 | 1.6946735200 | 67.69732196 | ns |
| ASGR1 | -0.08774745 | -0.04427822 | -12.293124 | 1.4368455233 | 1.8241690991 | 67.58135467 | ns |
| CD99L2 | -0.0696962 | -0.01799669 | -12.2704056 | 1.8929949048 | 2.3031438009 | 67.30824647 | ns |
| TGFBR2 | -0.08433502 | -0.01406392 | -12.24587 | 2.5507253612 | 2.9660983587 | 67.0132767 | ns |
| NTRK3 | 0.063418734 | 0.014814134 | 12.24288267 | 2.6410464837 | 2.9660983587 | 66.97826177 | ns |
| NHLRC3 | -0.08548313 | -0.04392814 | -12.2062628 | 4.2008147539 | 4.5431033635 | 66.52456576 | ns |
| SEMA3F | -0.07613625 | -0.02214061 | -12.1963912 | 4.6749792013 | 4.8753354528 | 66.41549173 | ns |
| COLEC12 | -0.07191936 | -0.03369293 | -12.1571547 | 7.5247042097 | 7.5765987215 | 65.94525821 | ns |
| COL6A3 | -0.09219235 | -0.03672984 | -12.1046828 | 1.4135234028 | 1.3758294454 | 65.32093767 | ns |
| CDHR5 | -0.11335736 | -0.06542682 | -11.951658 | 8.9038819606 | 8.3868823629 | 63.50441306 | ns |
| CTSO | -0.08487085 | -0.0237383 | -11.9151032 | 1.3693572509 | 1.2495384915 | 63.07749961 | ns |
| NPC2 | -0.07765948 | -0.03478036 | -11.8100802 | 4.7791063046 | 4.2287849726 | 61.84549383 | ns |
| CD83 | -0.08955644 | -0.0265991 | -11.7767707 | 7.0537687412 | 6.0579425660 | 61.45979486 | ns |
| LGALS9 | -0.08949725 | -0.04005442 | -11.7556257 | 9.0468748955 | 7.5476784842 | 61.21458839 | ns |
| BGLAP | -0.21843526 | -0.05549405 | -11.7513301 | 9.4828765980 | 7.6916665739 | 61.16658518 | down |
| VWC2 | -0.10487118 | -0.04137541 | -11.7154429 | 1.4518435325 | 1.1457792202 | 60.74834378 | ns |
| INHBB | -0.12646698 | -0.02699148 | -11.5703877 | 7.8469004537 | 6.0297235065 | 59.08331531 | ns |
| RNASE6 | -0.06912997 | -0.02731617 | -11.470919 | 2.4549048807 | 1.8380313465 | 57.95523765 | ns |
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| APOF | 0.054688892 | -0.01808688 | 9.992845441 | 1.9291837070 | 6.1903477194 | 42.29629215 | ns |
| RETN | -0.09513671 | -0.01707067 | -9.98998726 | 1.9901801224 | 6.3166586495 | 42.26917125 | ns |
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| WFDC2 | -0.07983945 | -0.01115656 | -9.95825126 | 2.7495344960 | 8.4512007667 | 41.95860797 | ns |
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| PRAP1 | -0.09583367 | -0.09612293 | -9.92560624 | 3.7773453438 | 1.1370977736 | 41.63418636 | ns |
| CD300A | -0.06327686 | -0.01863664 | -9.91216416 | 4.3333872115 | 1.2911725160 | 41.50478653 | ns |
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| PI3 | -0.1209402 | -0.03348576 | -9.77826297 | 1.6280437547 | 4.4428857607 | 40.20205786 | ns |
| CTSZ | -0.07182271 | -0.02756025 | -9.7552628 | 2.0359522395 | 5.5046116107 | 39.97857112 | ns |
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| PLAUR | -0.05986705 | -0.03703801 | -9.68465882 | 4.0594989470 | 1.0776124477 | 39.30109618 | ns |
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| BSG | -0.03995363 | -0.0147872 | -9.29516603 | 1.6615656216 | 3.7036424544 | 35.64348214 | ns |
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| TREM2 | -0.10505248 | -0.06070506 | -8.85584068 | 9.2023706082 | 1.7913948117 | 31.70145206 | ns |
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| LDLR | -0.11185646 | -0.04661866 | -8.58841407 | 9.6513611983 | 1.6480686958 | 29.39128482 | ns |
| CCL16 | -0.10489407 | -0.12633205 | -8.57876236 | 1.0486479712 | 1.7802628349 | 29.30798319 | ns |
| TREML2 | -0.0665001 | -0.00246043 | -8.55241754 | 1.3177082209 | 2.2241086735 | 29.08631628 | ns |
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| ACVRL1 | -0.04526047 | -0.02774798 | -8.42712447 | 3.8560675072 | 6.2903447604 | 28.03543669 | ns |
| NT5C1A | -0.05852247 | -0.01621346 | -8.42314365 | 3.9831761132 | 6.4615968059 | 27.99845469 | ns |
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| RBFOX3 | -0.0660611 | -0.03056084 | -8.29757635 | 1.1491285342 | 1.8137596324 | 26.95848404 | ns |
| EFCAB14 | -0.04673215 | -0.00638845 | -8.29645853 | 1.1602909616 | 1.8215320473 | 26.95028356 | ns |
| PLAT | -0.10379862 | -0.09331766 | -8.27896075 | 1.3433559952 | 2.0976467947 | 26.80708477 | ns |
| CANT1 | -0.03837827 | -0.01148163 | -8.26736889 | 1.4809864769 | 2.3002555918 | 26.7142957 | ns |
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| BST2 | -0.09040805 | 0.015131446 | -7.69332775 | 1.5195109102 | 1.9986359720 | 22.17272296 | ns |
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| CCL7 | -0.10756645 | -0.02767532 | -7.66592378 | 1.8815477485 | 2.4203169276 | 21.96708287 | ns |
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| MMP8 | -0.11777319 | -0.03214886 | -6.83415575 | 8.5567550833 | 8.1920409322 | 15.98696547 | ns |
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| CNTN3 | -0.05003283 | -0.041332 | -6.41668834 | 1.4334723201 | 1.1959254785 | 13.24644023 | ns |
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| CD274 | -0.04936079 | -0.00287671 | -6.39155407 | 1.6897167887 | 1.3898515558 | 13.08945074 | ns |
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| ADGRG2 | 0.040400673 | 0.033110771 | 6.335526539 | 2.4314189132 | 1.9721508963 | 12.73502881 | ns |
| PCDH9 | -0.04546644 | -0.00992646 | -6.33014075 | 2.5169016776 | 2.0358318279 | 12.69731551 | ns |
| CLEC4G | -0.04977902 | -0.01516147 | -6.3230179 | 2.6359874438 | 2.1262661149 | 12.6547916 | ns |
| ST6GAL1 | -0.0427131 | -0.02674019 | -6.31544637 | 2.7671818983 | 2.2203995518 | 12.60406699 | ns |
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| EPHB6 | -0.04328564 | 0.000193873 | -6.28913644 | 3.2794470232 | 2.5881041372 | 12.44617371 | ns |
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| B4GALT1 | -0.0377772 | -0.01137044 | -6.15654099 | 7.6193158077 | 5.7193835883 | 11.62339121 | ns |
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| SGSH | -0.07514351 | -0.01126797 | -6.14628231 | 8.1293986327 | 6.0710598484 | 11.56448305 | ns |
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| DDAH1 | -0.06258886 | 0.0037605 | -6.05011304 | 1.4811815929 | 1.0652833131 | 10.98171536 | ns |
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| CXCL10 | -0.09264809 | 0.031406084 | -5.87522375 | 4.3097542325 | 2.9610546727 | 9.944063318 | ns |
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| CNTN1 | 0.03705981 | 0.024234468 | 5.864123944 | 4.6068897401 | 3.1503789323 | 9.876819382 | ns |
| ACE2 | -0.06521056 | 0.018380216 | -5.85809665 | 4.7796444954 | 3.2608789548 | 9.852491373 | ns |
| CD300LF | -0.08167153 | -0.16256069 | -5.84312931 | 5.2255500023 | 3.5567846169 | 9.753784277 | ns |
| ZBTB17 | -0.05227511 | 0.004713698 | -5.84073299 | 5.3042719619 | 3.6019707276 | 9.751710644 | ns |
| MEGF10 | 0.054386036 | 0.010438591 | 5.839276129 | 5.3489206907 | 3.6238627417 | 9.737851023 | ns |
| DTNB | -0.05513558 | -0.00528024 | -5.83825131 | 5.3812167865 | 3.6373039390 | 9.728665561 | ns |
| PDZK1 | -0.05571121 | 0.020532367 | -5.83423082 | 5.5150398377 | 3.7191492670 | 9.715567384 | ns |
| MAMDC2 | -0.04185878 | -0.00412573 | -5.83333802 | 5.5412839408 | 3.7282371214 | 9.698382396 | ns |
| TPP1 | -0.06074714 | -0.01642557 | -5.82332632 | 5.8853337327 | 3.9506148275 | 9.649040375 | ns |
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| SCARA5 | -0.03841458 | -0.04072241 | -5.80644598 | 6.5061046398 | 4.3473285007 | 9.542300403 | ns |
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| MYH9 | -0.14387473 | -0.01766112 | -5.7949778 | 6.9658519945 | 4.6123101642 | 9.47738985 | ns |
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| AMN | -0.06407529 | -0.00356769 | -5.76356459 | 8.3962316218 | 5.5094373788 | 9.307061324 | ns |
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| KYNU | -0.06033082 | -0.01720816 | -5.6729778 | 1.4283814660 | 9.1067115305 | 8.78192901 | ns |
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| NCAM2 | 0.035544969 | 0.025691835 | 5.442580221 | 5.3318845949 | 3.1389320599 | 7.514639606 | ns |
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| RNASE3 | -0.14004359 | 0.064748747 | -5.43023076 | 5.7142931644 | 3.3505494056 | 7.451966661 | ns |
| PKD2 | -0.07085661 | 0.05123548 | -5.42708884 | 5.8168062476 | 3.4038224936 | 7.439948179 | ns |
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| CCL19 | -0.15165468 | 0.236038158 | -5.42164573 | 5.9936060970 | 3.4932794018 | 7.397897942 | ns |
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| BMPER | -0.02600511 | -0.01125567 | -5.41439046 | 6.2434856372 | 3.6244489186 | 7.370184256 | ns |
| AFM | -0.02382518 | -0.01221922 | -5.41068969 | 6.3714904189 | 3.6914190522 | 7.339737146 | ns |
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| PAXX | -0.05271388 | 0.01019013 | -5.31697667 | 1.0700328408 | 6.0669823206 | 6.851344385 | ns |
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| PTP4A3 | -0.06064591 | 0.02628235 | -5.28820078 | 1.2525479494 | 7.0065900622 | 6.701923409 | ns |
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| LAMA4 | -0.04006105 | -0.00547047 | -5.280379 | 1.3066701352 | 7.2675748474 | 6.650635761 | ns |
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| CNTN5 | 0.045112437 | 0.045766772 | 5.234558462 | 1.6754596674 | 9.2308343944 | 6.409813037 | ns |
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| RSPO3 | -0.03178453 | -0.01457522 | -5.18033327 | 2.2426202147 | 1.2194508430 | 6.127206137 | ns |
| TRIAP1 | -0.07716199 | -0.0090717 | -5.17613666 | 2.2935389161 | 1.2448203782 | 6.105628072 | ns |
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| GH1 | 0.222065912 | 0.313304763 | 5.143056028 | 2.7364557885 | 1.4602073221 | 5.943343852 | up |
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| ACAA1 | -0.09791753 | 0.00510804 | -5.12349983 | 3.0362709351 | 1.6119838419 | 5.84980792 | ns |
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| APOD | 0.048348709 | 0.047112269 | 5.101117234 | 3.4182983703 | 1.8049604414 | 5.744277943 | ns |
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| PRTG | 0.029016961 | 0.009911725 | 5.097678299 | 3.4788750124 | 1.8237549437 | 5.705420606 | ns |
| MVK | -0.09252211 | -0.01441882 | -5.0830579 | 3.7584402548 | 1.9667823555 | 5.643858853 | ns |
| NADK | -0.06498577 | 0.003413089 | -5.06608217 | 4.1081257291 | 2.1446134336 | 5.552778792 | ns |
| ACHE | 0.035651482 | 0.032052004 | 5.065881654 | 4.1129572700 | 2.1446134336 | 5.557251652 | ns |
| PLA2G2A | -0.06618717 | 0.038841251 | -5.06075623 | 4.2244232520 | 2.1988085375 | 5.525978821 | ns |
| HAO1 | -0.15276008 | 0.020620964 | -5.05286852 | 4.4016864586 | 2.2869972347 | 5.479584097 | ns |
| HS6ST2 | -0.03508783 | 0.026341478 | -5.03297397 | 4.8850772460 | 2.5336457475 | 5.39437642 | ns |
| CYTL1 | -0.0251524 | -0.0130558 | -5.03176714 | 4.9142533678 | 2.5442588358 | 5.375739254 | ns |
| C2 | -0.02824926 | -0.03676342 | -5.02937995 | 4.9762847750 | 2.5718144324 | 5.368157507 | ns |
| KLRD1 | -0.05427464 | -0.02532786 | -5.01888721 | 5.2546473301 | 2.7108781279 | 5.310259254 | ns |
| TOP2B | -0.08698998 | 0.014177289 | -5.01720561 | 5.3026802938 | 2.7308335904 | 5.315707585 | ns |
| QDPR | -0.05087148 | -0.01044036 | -5.01611384 | 5.3320731648 | 2.7411362044 | 5.305023628 | ns |
| TNFSF10 | -0.03042748 | -0.01090176 | -5.01135594 | 5.4642152925 | 2.8041315736 | 5.272751099 | ns |
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| LY96 | -0.04184726 | -0.01404267 | -4.99806962 | 5.8548179323 | 2.9888464442 | 5.213835252 | ns |

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| HSD11B1 | 0.047368518 | 0.013495465 | 4.996189027 | 5.9117650740 | 3.0126272279 | 5.201695364 | ns |
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| ERP44 | -0.03046498 | -0.00243641 | -4.99276626 | 6.0176745442 | 3.0559321163 | 5.187423898 | ns |
| SUMF2 | -0.06170474 | -0.07254732 | -4.98623262 | 6.2233039889 | 3.1548693832 | 5.148050334 | ns |
| SEL1L | -0.03408459 | 0.00306191 | -4.98426745 | 6.2886969327 | 3.1824948082 | 5.150783609 | ns |
| DCXR | -0.06321844 | 0.019268869 | -4.97578892 | 6.5681877811 | 3.3181848305 | 5.099118713 | ns |
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| GPKOW | -0.03331163 | -0.00350804 | -4.96335061 | 7.0044049538 | 3.5263555974 | 5.047100695 | ns |
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| SPOCK1 | 0.02934704 | 0.00351267 | 4.940559433 | 7.8723373714 | 3.9429202615 | 4.93005716 | ns |
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| WASHC3 | -0.08279272 | 0.072432157 | -4.9022141 | 9.5721326929 | 4.7535080720 | 4.736366005 | ns |
| TIGIT | -0.03832511 | 0.007857633 | -4.89977244 | 9.6931549689 | 4.8054350610 | 4.731410601 | ns |
| ECHS1 | -0.10239163 | -0.02536621 | -4.89889721 | 9.7376009512 | 4.8192872504 | 4.731913981 | ns |
| NUDT5 | -0.05933238 | 0.009041588 | -4.88434058 | 1.0481975289 | 5.1789116488 | 4.652683201 | ns |
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| NCR1 | -0.04000131 | 0.008840206 | -4.84804529 | 1.2590484895 | 6.1581601161 | 4.477584533 | ns |
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| SRP14 | -0.07021303 | -0.01340821 | -4.79383946 | 1.6515793404 | 7.9712589652 | 4.220277872 | ns |
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| CEACAM19 | -0.04024419 | -0.03398322 | -4.78679337 | 1.7103485932 | 8.2141741648 | 4.181948001 | ns |
| STX4 | -0.06965616 | 0.071075477 | -4.77951884 | 1.7734869560 | 8.5034185740 | 4.152202604 | ns |
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| SBSN | -0.03505306 | 0.002892931 | -4.77331655 | 1.8287606688 | 8.7397400212 | 4.118398523 | ns |
| TNFSF14 | -0.06584437 | -0.01293491 | -4.76665337 | 1.8903760003 | 9.0194410472 | 4.09185426 | ns |
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| PRDX3 | -0.07832132 | 0.01579031 | -4.70919929 | 2.5090312742 | 1.1778732026 | 3.826320776 | ns |
| SLMAP | -0.08650854 | 0.053210249 | -4.70353793 | 2.5790217230 | 1.2087870676 | 3.789572758 | ns |
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| CD55 | -0.02814473 | -0.00149866 | -4.67991352 | 2.8955488365 | 1.3506393934 | 3.701175276 | ns |
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| POF1B | -0.04424453 | 0.042908855 | -4.6510623 | 3.3304193144 | 1.5411766082 | 3.558205788 | ns |
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| RNASEH2A | -0.05062621 | 0.083288805 | -4.64751019 | 3.3872836316 | 1.5625384209 | 3.527625267 | ns |
| IRAG2 | -0.0963371 | 0.145537998 | -4.64495332 | 3.4302968482 | 1.5784704894 | 3.528333029 | ns |
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| PDZD2 | -0.06156459 | 0.09565729 | -4.63823762 | 3.5435423366 | 1.6145599325 | 3.498445437 | ns |
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| EDN1 | -0.02849628 | -0.02383583 | -4.62094396 | 3.8516180873 | 1.7382882249 | 3.418116932 | ns |
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| AHNAK2 | -0.02889281 | 0.007986883 | -4.5274017 | 6.0170543636 | 2.6302093924 | 2.993176665 | ns |
| LCP1 | -0.04731837 | 0.058434104 | -4.52598235 | 6.0563246341 | 2.6434182259 | 2.975126587 | ns |
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| CTSL | -0.02238587 | -0.0219277 | -4.14099885 | 3.4765073525 | 0.000134278 | 1.323066334 | ns |
| ATOX1 | -0.06977775 | -0.06073943 | -4.1304752 | 3.6392045101 | 0.000140376 | 1.276115164 | ns |
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| CTBS | -0.02426914 | -0.02082867 | -4.11429176 | 3.9040977482 | 0.00015 | 1.215923499 | ns |
| RPE | -0.06540159 | 0.079024553 | -4.11344175 | 3.9184646867 | 0.000150354 | 1.211677204 | ns |
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| NFATC3 | -0.05729622 | 0.109977462 | -4.10422878 | 4.0779649711 | 0.000155404 | 1.178417095 | ns |
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| SNX15 | -0.04928186 | 0.000995616 | -4.09218502 | 4.2954120529 | 0.000162891 | 1.129291074 | ns |
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| CLPP | -0.09131208 | -0.01695133 | -4.08280765 | 4.4722012683 | 0.000169156 | 1.087357036 | ns |
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| PRG3 | -0.04227487 | 0.011750375 | -3.94667423 | 7.9594266346 | 0.000286579 | 0.5369391 | ns |
| IL22 | -0.0563277 | 0.027189357 | -3.94332741 | 8.0713372966 | 0.00029025 | 0.524344713 | ns |
| CPQ | -0.03010505 | -0.01981516 | -3.93671658 | 8.2966072236 | 0.000297984 | 0.498686764 | ns |
| LRRFIP1 | -0.04254116 | 0.057675848 | -3.93329731 | 8.4154623053 | 0.000301881 | 0.485093737 | ns |
| PLG | -0.01904678 | -0.0213721 | -3.93191928 | 8.4647775111 | 0.000303278 | 0.491539027 | ns |
| LRG1 | -0.02162856 | -0.00069428 | -3.93028854 | 8.5212600918 | 0.000304927 | 0.472367351 | ns |
| ODAM | 0.049308067 | 0.080863638 | 3.929775602 | 8.5405456033 | 0.000305243 | 0.48314682 | ns |
| NBN | -0.04707028 | 0.041310369 | -3.92879847 | 8.5751249492 | 0.000306105 | 0.478406982 | ns |
| DNAJC21 | -0.03349181 | 0.045629235 | -3.92655407 | 8.6544424401 | 0.000308559 | 0.457868565 | ns |
| GCG | -0.1154127 | 0.020933821 | -3.92600123 | 8.6754659747 | 0.000308931 | 0.468646723 | ns |
| IL13RA1 | -0.0205836 | -0.00252625 | -3.92164357 | 8.8331567310 | 0.000314163 | 0.445531611 | ns |
| CXCL6 | -0.07021648 | -0.01521787 | -3.91982181 | 8.8994662036 | 0.000316137 | 0.430691042 | ns |
| CLEC5A | -0.02571092 | -0.01994965 | -3.91799889 | 8.9676763264 | 0.000318173 | 0.432346928 | ns |
| TCL1A | -0.09140668 | -0.04303184 | -3.91570965 | 9.0530990183 | 0.000320814 | 0.42323603 | ns |
| TARBP2 | -0.07366391 | 0.019241948 | -3.91113592 | 9.2265949886 | 0.000326566 | 0.40991388 | ns |
| SNCA | -0.09831985 | -0.03125633 | -3.9083397 | 9.3336993199 | 0.000329956 | 0.398662076 | ns |
| LAT | -0.07028256 | -0.11615883 | -3.90211306 | 9.5758775734 | 0.000338108 | 0.361869391 | ns |
| WDR46 | -0.03207979 | 0.006255983 | -3.89737305 | 9.7652184789 | 0.000344377 | 0.345329158 | ns |
| PINLYP | -0.05744951 | -0.06601671 | -3.89604586 | 9.8196337600 | 0.000345879 | 0.350999798 | ns |
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| ADGRF5 | -0.0238331 | -0.02799286 | -3.88828758 | 0.000101375 | 0.000356216 | 0.309243269 | ns |
| PPP3R1 | -0.03814352 | -0.02268153 | -3.8835836 | 0.000103362 | 0.00036276 | 0.29786507 | ns |
| TNFRSF11B | -0.02587806 | -0.02346092 | -3.88001791 | 0.000104886 | 0.000367457 | 0.283220468 | ns |
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| L3HYPDH | -0.07524584 | 0.011406265 | -3.87887085 | 0.000105376 | 0.000368502 | 0.27290323 | ns |

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| ATP6AP2 | -0.03709768 | 0.028756029 | -3.878513 | 0.000105544 | 0.000368647 | 0.284539569 | ns |
| ECHDC3 | -0.06089729 | 0.055146059 | -3.86710158 | 0.000110587 | 0.000385799 | 0.227608149 | ns |
| CXCL9 | -0.05927844 | 0.030408137 | -3.86660115 | 0.000110816 | 0.000386136 | 0.2283882 | ns |
| CC2D1A | -0.06895287 | 0.043907301 | -3.86570174 | 0.000111229 | 0.000387114 | 0.229022282 | ns |
| REG4 | -0.04180777 | -0.02641816 | -3.86302355 | 0.000112452 | 0.000390905 | 0.216597919 | ns |
| CD63 | -0.04697497 | -0.05073654 | -3.85648368 | 0.000115503 | 0.000401032 | 0.194510997 | ns |
| AZI2 | -0.04746582 | 0.067031324 | -3.85550243 | 0.000115958 | 0.000402134 | 0.182270794 | ns |
| LGALS3 | -0.02679394 | -0.02689129 | -3.85408837 | 0.000116635 | 0.000404003 | 0.182405263 | ns |
| KIF22 | -0.10263993 | -0.16132158 | -3.85376549 | 0.000116799 | 0.00040409 | 0.189890749 | ns |
| CA9 | 0.039154271 | 0.034974485 | 3.853438076 | 0.00011694 | 0.000404099 | 0.173659346 | ns |
| WWP2 | -0.04928625 | 0.033169945 | -3.84947714 | 0.000118853 | 0.000410224 | 0.166834066 | ns |
| ASAH1 | -0.03938126 | -0.00626588 | -3.84865473 | 0.00011925 | 0.00041111 | 0.162081344 | ns |
| CLSTN2 | 0.034727188 | 0.021206573 | 3.847503305 | 0.000119805 | 0.000412536 | 0.151597499 | ns |
| AMOTL2 | -0.04114507 | 0.101791668 | -3.84154256 | 0.000122754 | 0.000422193 | 0.132502115 | ns |
| MOCS2 | -0.05615562 | 0.023097775 | -3.84075408 | 0.000123157 | 0.000423079 | 0.138490531 | ns |
| APLP1 | 0.045475417 | 0.060587433 | 3.839538103 | 0.000123762 | 0.00042466 | 0.127905109 | ns |
| NCAM1 | 0.027486678 | 0.017233854 | 3.835687202 | 0.000125714 | 0.000430852 | 0.112020254 | ns |
| PTPRC | -0.0191486 | -0.00194468 | -3.83448019 | 0.000126328 | 0.000432449 | 0.103195479 | ns |
| NPTX1 | 0.035689121 | 0.025436673 | 3.827942964 | 0.000129731 | 0.000443577 | 0.081346232 | ns |
| TRIM58 | -0.07253421 | 0.022676065 | -3.82738826 | 0.000130021 | 0.000444047 | 0.076726281 | ns |
| LYPD3 | 0.029785026 | 0.004749544 | 3.825483979 | 0.000131032 | 0.00044698 | 0.073310702 | ns |
| OMD | 0.039209576 | -0.00650596 | 3.813476375 | 0.00013756 | 0.000468698 | 0.025676174 | ns |
| SIRPA | -0.05099563 | -0.09106742 | -3.8100717 | 0.000139469 | 0.000474649 | 0.014979416 | ns |
| CPPED1 | -0.06072406 | -0.01339715 | -3.80907194 | 0.000140027 | 0.000475995 | 0.00542031 | ns |
| PTN | -0.04297601 | -0.04440961 | -3.80615017 | 0.000141705 | 0.000480855 | 0.007579602 | ns |
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| TSPAN1 | -0.04921728 | 0.154218891 | -3.80462036 | 0.000142583 | 0.000482996 | 0.001795581 | ns |
| PBLD | -0.04555641 | 0.022806931 | -3.80130947 | 0.0001445 | 0.000488923 | -0.01086456 | ns |
| SLIT2 | -0.04617484 | -0.00611232 | -3.79994243 | 0.000145299 | 0.000491057 | -0.01602674 | ns |
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| BCL2 | -0.04390653 | 0.027505554 | -3.79780132 | 0.000146544 | 0.000494119 | -0.03529634 | ns |
| CIT | -0.03887251 | 0.040308686 | -3.78632268 | 0.000153485 | 0.000516926 | -0.06694817 | ns |
| RNF41 | -0.06037518 | 0.040599887 | -3.7853045 | 0.000154117 | 0.000518457 | -0.07031894 | ns |
| ZNRD2 | -0.05598931 | 0.042293767 | -3.78485221 | 0.000154381 | 0.000518747 | -0.08408271 | ns |
| AP3B1 | -0.06391774 | 0.032140695 | -3.78353865 | 0.000155197 | 0.000520892 | -0.08902231 | ns |
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| MECR | -0.07431108 | -0.01244222 | -3.75431245 | 0.000174471 | 0.000577613 | -0.18686139 | ns |
| PROC | -0.02237418 | -0.0123426 | -3.74896692 | 0.000178217 | 0.000589347 | -0.21429002 | ns |
| IDO1 | -0.05193988 | 0.01788566 | -3.74628821 | 0.000180139 | 0.000595029 | -0.21676173 | ns |
| LGALS8 | -0.05373451 | 0.045095938 | -3.74196754 | 0.000183244 | 0.0006046 | -0.24635267 | ns |
| TDRKH | -0.0751791 | 0.085080033 | -3.74117642 | 0.00018384 | 0.000605884 | -0.23618517 | ns |
| IL1RL2 | -0.03411415 | -0.01005191 | -3.74021214 | 0.000184545 | 0.00060752 | -0.2400673 | ns |
| MCFD2 | -0.03816148 | 0.003837824 | -3.72909611 | 0.000192862 | 0.000634185 | -0.2868341 | ns |
| AKR1B1 | -0.06608816 | -0.02913306 | -3.72539775 | 0.000195721 | 0.000642862 | -0.29384482 | ns |
| HEXIM1 | -0.0719064 | -0.00232697 | -3.71977703 | 0.000200109 | 0.000656539 | -0.32395722 | ns |
| SERPINE1 | -0.05940314 | -0.09002708 | -3.71663644 | 0.000202602 | 0.000663971 | -0.33969151 | ns |
| LTA | -0.03469263 | -0.01785238 | -3.70961846 | 0.000208304 | 0.000681892 | -0.36145648 | ns |
| SYTL4 | -0.05853548 | 0.093125142 | -3.70872834 | 0.00020903 | 0.000683503 | -0.36854207 | ns |
| PFDN2 | -0.04791571 | 0.000587926 | -3.70815394 | 0.000209525 | 0.000684353 | -0.35839617 | ns |
| GDNF | -0.03233444 | -0.0150574 | -3.70706277 | 0.000210428 | 0.000686537 | -0.36241595 | ns |
| PRKAR2A | -0.06697275 | -0.04797224 | -3.70513157 | 0.000212017 | 0.000690949 | -0.38091817 | ns |
| MCEMP1 | -0.0730991 | 0.065267171 | -3.70392253 | 0.000213051 | 0.000693544 | -0.37205933 | ns |
| CD160 | -0.03879634 | 0.001850212 | -3.70066696 | 0.000215776 | 0.000701633 | -0.39911832 | ns |
| TACSTD2 | 0.026713824 | 0.012061232 | 3.699151321 | 0.000217165 | 0.000705363 | -0.34900794 | ns |
| LPCAT2 | -0.03517718 | 0.042602369 | -3.69824271 | 0.000217857 | 0.000706824 | -0.40096523 | ns |
| GLOD4 | -0.0313295 | -0.01595977 | -3.69753797 | 0.000218462 | 0.000708 | -0.40329441 | ns |

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| ATP5IF1 | -0.095632 | -0.08554101 | -3.69457918 | 0.000221013 | 0.000715474 | -0.41786536 | ns |
| AP1G2 | -0.06544459 | 0.03947534 | -3.69138077 | 0.000223807 | 0.000723717 | -0.43137885 | ns |
| RAB27B | -0.06616649 | -0.14291056 | -3.68920959 | 0.000225722 | 0.000729102 | -0.44029264 | ns |
| GIP | -0.04124774 | 0.075396273 | -3.68848223 | 0.000226388 | 0.000730447 | -0.43027424 | ns |
| RAB10 | -0.04315909 | 0.033676488 | -3.68525931 | 0.000229249 | 0.00073886 | -0.45476781 | ns |
| PSME2 | -0.03229971 | -0.00070037 | -3.68469944 | 0.000229767 | 0.000739714 | -0.44830562 | ns |
| KRT8 | -0.04863907 | 0.035507696 | -3.67719327 | 0.000236634 | 0.00076098 | -0.47205239 | ns |
| NOS1 | -0.04484848 | -0.01122511 | -3.67665633 | 0.000237132 | 0.000761744 | -0.47395609 | ns |
| LY9 | -0.02471911 | -0.01034892 | -3.67635328 | 0.000237408 | 0.000761792 | -0.47716901 | ns |
| MAVS | -0.08102374 | 0.080756009 | -3.67430621 | 0.000239325 | 0.0007671 | -0.48166693 | ns |
| CEP170 | -0.06278371 | 0.081483561 | -3.67091512 | 0.000242518 | 0.000776482 | -0.4945036 | ns |
| PREB | -0.02517379 | 0.001283572 | -3.67015104 | 0.000243242 | 0.000777947 | -0.49800004 | ns |
| TNFAIP8L2 | -0.05011243 | 0.055873011 | -3.66981209 | 0.000243562 | 0.000778119 | -0.4993352 | ns |
| PARK7 | -0.04590923 | -0.00786113 | -3.66917829 | 0.000244154 | 0.000779157 | -0.51005157 | ns |
| DAB2 | -0.09679148 | -0.10293728 | -3.66774768 | 0.000245514 | 0.000782644 | -0.52029971 | ns |
| AMY2B | 0.042040147 | 0.02244243 | 3.667283457 | 0.000246043 | 0.000783474 | -0.47764792 | ns |
| GCNT1 | -0.02915954 | -0.01039401 | -3.66456008 | 0.000248601 | 0.000790008 | -0.52418465 | ns |
| EIF2AK2 | -0.08746306 | 0.030491877 | -3.66451803 | 0.000248636 | 0.000790008 | -0.52794905 | ns |
| VSTM1 | -0.04213352 | -0.00777882 | -3.66297806 | 0.000250154 | 0.000793967 | -0.52383313 | ns |
| MARCO | -0.02271081 | -0.03160433 | -3.65885568 | 0.000254195 | 0.000805916 | -0.54522862 | ns |
| NPL | -0.03556693 | -0.04347188 | -3.65378702 | 0.000259254 | 0.000821064 | -0.56953999 | ns |
| STC2 | -0.02194441 | -0.00342332 | -3.65071148 | 0.000262382 | 0.000830072 | -0.57721711 | ns |
| PRRT3 | -0.02929385 | 0.015882938 | -3.65000296 | 0.000263123 | 0.000831515 | -0.57056419 | ns |
| STXBP1 | -0.06162573 | -0.04055021 | -3.64866004 | 0.000264475 | 0.000834885 | -0.58898432 | ns |
| DRAXIN | -0.03600238 | 0.000665371 | -3.64719174 | 0.000266004 | 0.000838803 | -0.5865982 | ns |
| TFRC | -0.03290128 | 0.008120676 | -3.64490947 | 0.000268368 | 0.000845345 | -0.59756937 | ns |
| IL15RA | -0.02924972 | -0.0277225 | -3.64112118 | 0.00027236 | 0.000856996 | -0.60344808 | ns |
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| CDSN | -0.03592883 | -0.00954196 | -3.6387344 | 0.000274871 | 0.000863035 | -0.62426885 | ns |
| RP2 | -0.03611658 | 0.025341801 | -3.63601598 | 0.000277796 | 0.000871282 | -0.62772509 | ns |
| ROBO1 | -0.01963037 | -0.00732379 | -3.63044243 | 0.000283856 | 0.000889333 | -0.64933075 | ns |
| F2R | -0.04919173 | -0.01192922 | -3.62841604 | 0.000286089 | 0.00089537 | -0.65756237 | ns |
| TXLNA | -0.07619051 | -0.04624047 | -3.62497528 | 0.000289928 | 0.000905871 | -0.66687203 | ns |
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| SAMD9L | -0.06239717 | 0.019324208 | -3.62245663 | 0.00029276 | 0.000913311 | -0.67899741 | ns |
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| LMNB1 | -0.04672498 | -0.01662526 | -3.61553556 | 0.000300683 | 0.00093503 | -0.70538075 | ns |
| RAB44 | -0.03449036 | 0.038410105 | -3.61143291 | 0.000305475 | 0.000948921 | -0.72148955 | ns |
| MAGED1 | -0.04038765 | 0.037134512 | -3.61012849 | 0.00030704 | 0.00095277 | -0.7139277 | ns |
| EHBP1 | -0.05984191 | 0.041242695 | -3.60720381 | 0.000310488 | 0.000962448 | -0.73761458 | ns |
| SOD2 | -0.03071118 | 0.000823853 | -3.60550954 | 0.000312527 | 0.00096774 | -0.74019335 | ns |
| CR1 | -0.02816125 | -0.00605057 | -3.60461104 | 0.000313607 | 0.000970055 | -0.74356316 | ns |
| CCL26 | -0.07561829 | 0.034622279 | -3.60412593 | 0.000314197 | 0.000970851 | -0.74481917 | ns |
| SKAP2 | -0.08895222 | -0.01939159 | -3.60377336 | 0.000314619 | 0.000971127 | -0.74716842 | ns |
| CDC42BPB | -0.08229705 | 0.060279564 | -3.60341114 | 0.000315054 | 0.000971444 | -0.75017674 | ns |
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| CCN1 | -0.06467639 | -0.1504574 | -3.59206052 | 0.000329104 | 0.001006266 | -0.78501608 | ns |
| CHMP6 | -0.04420476 | -0.00209713 | -3.59015629 | 0.000331501 | 0.001012535 | -0.79858479 | ns |
| PSAPL1 | -0.0381526 | 0.009602024 | -3.57546684 | 0.000350669 | 0.001069963 | -0.84986161 | ns |
| CD99 | -0.0158141 | -0.0158305 | -3.57497385 | 0.000351337 | 0.00107088 | -0.849143 | ns |
| EPCAM | 0.083415423 | 0.117250887 | 3.57406411 | 0.000352562 | 0.001073495 | -0.85014989 | ns |
| ADGRE1 | -0.04218459 | 0.019804601 | -3.57348876 | 0.000353328 | 0.001074706 | -0.85688857 | ns |
| DLG4 | -0.05617674 | 0.079126732 | -3.57295599 | 0.000354045 | 0.001075766 | -0.85976283 | ns |
| MMP10 | -0.05018256 | 0.044186699 | -3.5704328 | 0.000357485 | 0.00108509 | -0.86223234 | ns |
| DNAJB14 | -0.05043781 | 0.022745037 | -3.5645034 | 0.000365644 | 0.001108704 | -0.88875954 | ns |
| IFNGR2 | -0.04326255 | 0.106773127 | -3.5579608 | 0.000374878 | 0.001135523 | -0.9060467 | ns |
| ANXA3 | -0.05864008 | -0.01449547 | -3.55300805 | 0.000381985 | 0.001155852 | -0.93052319 | ns |
| SPTLC1 | -0.02887446 | 0.044138998 | -3.55046269 | 0.000385694 | 0.001165866 | -0.93938468 | ns |
| LGALS4 | -0.04353821 | -0.03602431 | -3.54978084 | 0.000386707 | 0.001167718 | -0.93584455 | ns |

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| LILRA2 | -0.03021213 | -0.03608417 | -3.52273123 | 0.000428364 | 0.001280268 | -1.03339651 | ns |
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| PTPRN2 | -0.0257577 | -0.00382663 | -3.51216552 | 0.000445761 | 0.001322786 | -1.06435936 | ns |
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| GCC1 | -0.08332709 | -0.0693852 | -3.50444768 | 0.000458847 | 0.001358496 | -1.10070481 | ns |
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| FLT4 | -0.02819369 | -0.05505408 | -3.50169149 | 0.000463621 | 0.001370215 | -1.10824696 | ns |
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| MYOM3 | 0.069652567 | 0.000596725 | 3.477800164 | 0.000506966 | 0.001484573 | -1.18121538 | ns |
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| PON1 | 0.019009521 | -0.00682404 | 3.415613743 | 0.000638019 | 0.00181935 | -1.40514358 | ns |
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| MKI67 | -0.02912317 | 0.045300991 | -3.40945926 | 0.000652627 | 0.00185738 | -1.41273297 | ns |
| SOD1 | -0.03799961 | 0.008830319 | -3.40859182 | 0.000654711 | 0.001861497 | -1.41471438 | ns |
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| CORO1A | -0.07091283 | 0.098387256 | -3.40412277 | 0.00066551 | 0.001888523 | -1.4282992 | ns |
| NEDD9 | -0.02498924 | 0.020931097 | -3.40320183 | 0.000667748 | 0.00189295 | -1.4339142 | ns |
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| NSFL1C | -0.0498665 | -0.01148979 | -3.16765762 | 0.001539704 | 0.003982227 | -2.21838992 | ns |
| SERPIN2 | 0.038396232 | 0.090164688 | 3.16661043 | 0.001545263 | 0.00399307 | -2.21975122 | ns |
| VPS53 | -0.05835037 | 0.062721379 | -3.16573273 | 0.001549962 | 0.004001671 | -2.21724236 | ns |
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| CLEC1A | -0.02302623 | -0.0125372 | -3.13013259 | 0.001750612 | 0.0044639 | -2.32221393 | ns |
| MATN2 | -0.02146371 | -0.00991168 | -3.12990114 | 0.001751928 | 0.0044639 | -2.33086775 | ns |
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| FARSA | -0.04774018 | 0.118898617 | -3.12528911 | 0.001779667 | 0.004518806 | -2.33701089 | ns |
| RNASE10 | -0.03259276 | -0.00605866 | -3.11633418 | 0.001834585 | 0.004654204 | -2.36478168 | ns |
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| TIMP3 | -0.09032588 | 0.089397347 | -2.94423182 | 0.003242406 | 0.007629189 | -2.89341147 | ns |
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| CIAPIN1 | -0.04278377 | -0.0048109 | -2.88510272 | 0.003918277 | 0.008910723 | -3.06540135 | ns |
| IL17C | -0.04641298 | 0.029765727 | -2.88341872 | 0.003939395 | 0.008951776 | -3.05998714 | ns |
| EIF4G3 | -0.04214719 | 0.084483404 | -2.88040333 | 0.003977103 | 0.009030435 | -3.08189 | ns |
| SELL | -0.01428107 | 0.010235057 | -2.87969854 | 0.003986009 | 0.009043625 | -3.08307401 | ns |
| GGACT | -0.04459376 | 0.024296281 | -2.87839136 | 0.004002558 | 0.009074122 | -3.08678055 | ns |
| GRP | -0.03298979 | -0.0078918 | -2.87750723 | 0.004013934 | 0.009089022 | -3.07617734 | ns |
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| PRKG1 | -0.08004057 | -0.03720489 | -2.87548818 | 0.004039656 | 0.009136945 | -3.08279205 | ns |
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| CES3 | -0.04861167 | 0.105642 | -2.86790869 | 0.004137596 | 0.009336769 | -3.11033323 | ns |
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| AK1 | -0.04382594 | 0.007444219 | -2.86511145 | 0.004174299 | 0.009397806 | -3.11860111 | ns |

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| DBNL | -0.06264112 | -0.04412986 | -2.85907933 | 0.004254425 | 0.009563449 | -3.13903447 | ns |
| PPP1R14A | -0.04909884 | -0.00945929 | -2.85681062 | 0.004284895 | 0.009624533 | -3.14917215 | ns |
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| MRPL58 | -0.0451709 | 0.125381575 | -2.83240211 | 0.00462592 | 0.010279822 | -3.21819904 | ns |
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| DGKA | -0.03320536 | 0.034660368 | -2.81100238 | 0.004945131 | 0.010856978 | -3.2626285 | ns |
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| GDF2 | 0.023586085 | 0.019448341 | 2.800212978 | 0.005113289 | 0.011150712 | -3.30134742 | ns |
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| TDO2 | -0.02309259 | 0.031305279 | -2.77325925 | 0.00555659 | 0.012009802 | -3.36895358 | ns |
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| DDHD2 | -0.04026771 | 0.006013636 | -2.75205364 | 0.005929156 | 0.012739614 | -3.44124357 | ns |
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| VWA1 | -0.02744498 | -0.01039964 | -2.75041755 | 0.005958841 | 0.012784582 | -3.44564937 | ns |
| ITGAL | -0.02653386 | -0.03994738 | -2.74770236 | 0.006008598 | 0.012881868 | -3.43750373 | ns |
| STX16 | -0.03793543 | 0.08181261 | -2.74659921 | 0.006028829 | 0.012915759 | -3.4416038 | ns |

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| CD101 | -0.02555703 | -0.06271614 | -2.72223674 | 0.006491433 | 0.013715617 | -3.52044623 | ns |
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| VCAM1 | -0.01654446 | 0.000291885 | -2.68469137 | 0.007267488 | 0.015103961 | -3.61704962 | ns |
| DNAJC6 | -0.04945618 | 0.033372294 | -2.68414479 | 0.007279505 | 0.015110464 | -3.6106615 | ns |
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| BOLA2_BOLA2 | -0.03194818 | -0.02938422 | -2.60795426 | 0.00911749 | 0.018475414 | -3.81106683 | ns |
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| CD69 | -0.0534436 | -0.07174419 | -2.60192356 | 0.009279232 | 0.018764098 | -3.83053357 | ns |
| CNTN2 | 0.027342434 | 0.041309625 | 2.601357405 | 0.009294378 | 0.018781719 | -3.84301714 | ns |
| HMCN2 | -0.03209004 | -0.04793224 | -2.60012954 | 0.009327925 | 0.018836473 | -3.83123012 | ns |
| GABARAPL1 | -0.03888991 | 0.151129101 | -2.59892082 | 0.009360726 | 0.018889647 | -3.83984227 | ns |
| ELAC1 | -0.04844376 | -0.03533095 | -2.59644418 | 0.009428298 | 0.019012867 | -3.85497539 | ns |
| CTRC | 0.037606757 | 0.04297903 | 2.594561342 | 0.009480189 | 0.019104315 | -3.85298869 | ns |
| HPGDS | 0.022294097 | 0.012222108 | 2.593479962 | 0.009510211 | 0.019151597 | -3.84800136 | ns |
| DIABLO | -0.06666729 | -0.02743327 | -2.58948851 | 0.009621 | 0.019361351 | -3.86371015 | ns |
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| SPRING1 | -0.03521366 | 0.102760336 | -2.58089029 | 0.009863983 | 0.019782164 | -3.87824771 | ns |
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| TRIM5 | -0.05196631 | -0.00204847 | -2.57483393 | 0.010038105 | 0.020103748 | -3.90566828 | ns |
| PLXNB2 | -0.01383449 | -0.01441118 | -2.57457493 | 0.010045575 | 0.02010492 | -3.9077618 | ns |
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| CD163 | -0.02629097 | -0.02174901 | -2.57390122 | 0.010065188 | 0.020116598 | -3.90715465 | ns |
| ADAM23 | -0.02087321 | -0.03862747 | -2.57055898 | 0.010162683 | 0.02029756 | -3.92152759 | ns |
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| SNAP25 | -0.02556252 | 0.03154438 | -2.55758091 | 0.010549997 | 0.020985007 | -3.94088642 | ns |
| ZBTB16 | -0.04299515 | 0.114089428 | -2.55356855 | 0.010672303 | 0.021203037 | -3.95010561 | ns |
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| MERTK | -0.01488615 | -0.01656015 | -2.54181782 | 0.011037395 | 0.021879969 | -3.99457354 | ns |
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| TCN2 | -0.01760092 | -0.01894231 | -2.53079089 | 0.011390386 | 0.022533827 | -4.02072304 | ns |
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| BLVRB | -0.04010432 | 0.066930919 | -2.51323026 | 0.011973267 | 0.023600564 | -4.06182829 | ns |
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| CNTNAP4 | -0.0580016 | 0.363790031 | -2.50360918 | 0.012303832 | 0.024177113 | -4.07617966 | ns |
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| SLC27A4 | -0.03810354 | 0.076762618 | -2.41486598 | 0.01575283 | 0.030103576 | -4.29355711 | ns |
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| BRAP | -0.05671827 | -0.07880488 | -2.37082777 | 0.017760599 | 0.033610466 | -4.40558255 | ns |
| CPVL | -0.02277218 | -0.04548448 | -2.37048292 | 0.017777039 | 0.033619788 | -4.41246541 | ns |
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| MAX | -0.05813129 | -0.00364015 | -2.3537253 | 0.018599111 | 0.035060945 | -4.4384813 | ns |
| ARHGAP25 | -0.03291428 | 0.061211885 | -2.34912747 | 0.018830327 | 0.035473906 | -4.4483118 | ns |
| CD84 | -0.01718139 | -0.00421392 | -2.34765984 | 0.018904398 | 0.035590485 | -4.46157268 | ns |
| SNX9 | -0.03760511 | 0.030647864 | -2.34132617 | 0.01922813 | 0.036176636 | -4.4741555 | ns |
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| TYMP | -0.03629981 | -0.02481184 | -2.33245839 | 0.019689573 | 0.036925853 | -4.49216731 | ns |
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| ALDH5A1 | -0.02342845 | 0.044616667 | -2.31478106 | 0.020637897 | 0.038531112 | -4.54268028 | ns |
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| JPT2 | -0.04394205 | -0.03595741 | -2.30057155 | 0.021429104 | 0.039830035 | -4.57332418 | ns |
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| CETN3 | -0.03866812 | 0.020868665 | -2.29302561 | 0.021859887 | 0.040553285 | -4.59055715 | ns |
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| ARAF | -0.0336298 | 0.068298952 | -2.29159496 | 0.021942577 | 0.040629248 | -4.58696489 | ns |
| BNIP2 | -0.01703686 | 0.009900216 | -2.29086439 | 0.021984626 | 0.040681311 | -4.59655921 | ns |
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| ENDOU | -0.02578836 | 0.032050028 | -2.27319082 | 0.023029369 | 0.042399595 | -4.6022196 | ns |
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| CASP10 | -0.03845685 | -0.00639692 | -2.26333754 | 0.023629053 | 0.043285342 | -4.64592781 | ns |
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| FAM3D | -0.04103893 | 0.096593424 | -2.24429121 | 0.024827756 | 0.045282353 | -4.70049124 | ns |
| CLEC4C | -0.02435637 | -0.00674288 | -2.24094297 | 0.025044014 | 0.045648265 | -4.70501302 | ns |
| PCDH17 | -0.01790397 | 0.01419953 | -2.23519193 | 0.025419115 | 0.046303067 | -4.71562347 | ns |
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| CRTAP | -0.02464223 | 0.062242733 | -2.22762585 | 0.025920137 | 0.047068906 | -4.72522976 | ns |
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| ARHGEF10 | -0.04314953 | 0.042159981 | -2.10411302 | 0.035384629 | 0.06135577 | -5.00551618 | ns |
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| S100A4 | -0.02790059 | -0.02685058 | -2.09394891 | 0.036280801 | 0.062649285 | -5.02363928 | ns |
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| ATG4A | -0.02799504 | 0.029637334 | -1.97798173 | 0.047948987 | 0.08000631 | -5.24664864 | ns |
| NEB | -0.01618444 | 0.034835709 | -1.97675678 | 0.048087376 | 0.080191398 | -5.24861906 | ns |
| COL1A1 | 0.011694432 | 0.012764636 | 1.97553733 | 0.0482249 | 0.080374833 | -5.26577985 | ns |
| ACP6 | -0.03149351 | -0.13529999 | -1.96545599 | 0.049379313 | 0.082251907 | -5.28600477 | ns |
| PSMD1 | -0.02116408 | 0.032713185 | -1.9648185 | 0.049453056 | 0.082327779 | -5.28732221 | ns |
| KIR3DL1 | -0.05627216 | 8.5951209784 | -1.96392783 | 0.04955685 | 0.082436602 | -5.27418911 | ns |
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| NDST1 | -0.02707465 | 0.123615671 | -1.96262969 | 0.049707135 | 0.082609468 | -5.28969245 | ns |
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| CES2 | -0.02554292 | 0.022069719 | -1.95794849 | 0.050254207 | 0.083376297 | -5.29327194 | ns |
| LSM1 | -0.02497532 | 0.064676575 | -1.95502838 | 0.050598214 | 0.083899366 | -5.29152727 | ns |
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| DKKL1 | 0.039465671 | -0.12792802 | 1.939767194 | 0.052426346 | 0.086635501 | -5.32850444 | ns |
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| NAA10 | -0.02143133 | -0.00064846 | -1.93349953 | 0.053193444 | 0.087754155 | -5.3327066 | ns |
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| ROBO2 | -0.00999074 | -0.0017756 | -1.92059245 | 0.054801424 | 0.090176864 | -5.37279181 | ns |
| CDON | -0.01182586 | -0.01290001 | -1.92047508 | 0.054816416 | 0.090176864 | -5.36710483 | ns |
| FXYD5 | -0.02899515 | 0.054979395 | -1.91771642 | 0.055165813 | 0.090700548 | -5.3646143 | ns |
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| EIF1AX | -0.02269017 | 0.097428929 | -1.90753787 | 0.056469434 | 0.092687322 | -5.39667028 | ns |
| LRRC37A2 | 0.017777939 | 0.009153847 | 1.905755082 | 0.056700514 | 0.093014327 | -5.39901082 | ns |
| KLK7 | -0.01626507 | -0.00131242 | -1.90499162 | 0.056800581 | 0.093126162 | -5.37628694 | ns |
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| ITGB2 | 0.01264189 | 0.001628109 | 1.901037941 | 0.057315983 | 0.093708102 | -5.39813439 | ns |
| KLK12 | -0.06141079 | -0.54089191 | -1.8995021 | 0.0575176 | 0.093950377 | -5.39792758 | ns |
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| ENTPD2 | 0.018948496 | -0.0141158 | 1.898990647 | 0.057584821 | 0.093950377 | -5.39889339 | ns |
| INSL5 | -0.03963028 | 0.07745515 | -1.89892549 | 0.057592868 | 0.093950377 | -5.41193056 | ns |
| BTD | -0.00849388 | -0.0210061 | -1.8941619 | 0.05822213 | 0.094923852 | -5.42203762 | ns |
| MAPK13 | -0.01761483 | -0.01175197 | -1.89206826 | 0.058501097 | 0.095325449 | -5.40976907 | ns |
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| C7 | 0.012593934 | -0.02684234 | 1.886868785 | 0.059197136 | 0.096298405 | -5.42353889 | ns |
| CHP1 | -0.03059225 | 0.05134312 | -1.88644285 | 0.059254501 | 0.096338053 | -5.42349855 | ns |
| NPR1 | 0.017394398 | 0.083365112 | 1.88509888 | 0.05943576 | 0.096578975 | -5.42458804 | ns |
| GART | -0.01110305 | 0.018293948 | -1.88392006 | 0.059594463 | 0.096782998 | -5.44213498 | ns |
| GET3 | -0.02318649 | 0.09234847 | -1.88354782 | 0.059644884 | 0.09681104 | -5.44193851 | ns |
| AKT2 | -0.05190222 | -0.03975172 | -1.8807634 | 0.060022815 | 0.097370344 | -5.44804391 | ns |
| MINDY1 | -0.0445146 | -0.0426184 | -1.87730937 | 0.06049453 | 0.098081081 | -5.45259053 | ns |
| PPBP | -0.03438582 | -0.07303779 | -1.8711534 | 0.06134281 | 0.099401223 | -5.46052946 | ns |
| DGKZ | -0.0152346 | 0.008008366 | -1.86927924 | 0.061603308 | 0.099767975 | -5.45580631 | ns |
| VEGFC | -0.02406701 | -0.02186157 | -1.86693382 | 0.061929772 | 0.100179925 | -5.47070668 | ns |
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| TRAF2 | -0.03096655 | 0.053272983 | -1.86671398 | 0.061960597 | 0.100179925 | -5.46927003 | ns |
| CRIM1 | -0.00850964 | -0.01135655 | -1.86639163 | 0.062005566 | 0.100197152 | -5.47102615 | ns |
| UNC79 | -0.02308166 | 0.06290999 | -1.86461917 | 0.062254289 | 0.100543431 | -5.46103165 | ns |
| FGFR4 | -0.02134785 | 0.040690262 | -1.86427861 | 0.062301921 | 0.100564736 | -5.46519997 | ns |
| ITGA6 | -0.0230485 | 0.070687955 | -1.86282816 | 0.062505541 | 0.100837668 | -5.4764756 | ns |
| BCAT1 | -0.01212648 | 0.004959264 | -1.86126197 | 0.062726123 | 0.101106272 | -5.48343472 | ns |
| SERPINE2 | -0.02593162 | 0.019631934 | -1.86115453 | 0.062741289 | 0.101106272 | -5.48363357 | ns |
| NRP2 | -0.01236972 | -0.00977445 | -1.85754766 | 0.06325239 | 0.101858912 | -5.48659646 | ns |
| ASS1 | -0.03165837 | 0.017910722 | -1.85736978 | 0.063278105 | 0.101858912 | -5.47617866 | ns |
| RPS10 | 0.015992303 | 0.03458539 | 1.856683131 | 0.063375798 | 0.101959962 | -5.47744649 | ns |
| LACRT | 0.020123115 | 0.134445009 | 1.855607403 | 0.063528608 | 0.102149525 | -5.49206637 | ns |
| PTPN6 | -0.03892458 | -0.16876903 | -1.85461331 | 0.063670589 | 0.102321475 | -5.49170305 | ns |
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| ARNT | -0.01617159 | 0.047674603 | -1.85241677 | 0.063985492 | 0.102714479 | -5.48700589 | ns |
| BCL2L1 | -0.04015022 | -0.02771123 | -1.85189206 | 0.064060326 | 0.102778106 | -5.50068693 | ns |
| WAS | -0.02905122 | 0.044807297 | -1.85134203 | 0.064139866 | 0.10280341 | -5.48898483 | ns |
| NEDD4L | -0.01982475 | -0.03797548 | -1.85129646 | 0.064146511 | 0.10280341 | -5.48670125 | ns |
| RASA1 | -0.0140718 | -0.0007947 | -1.85096306 | 0.064194424 | 0.102823761 | -5.48935809 | ns |
| ADGRE5 | -0.01286213 | 0.006426324 | -1.85043929 | 0.064269376 | 0.102887378 | -5.50049254 | ns |
| ADAM15 | 0.013107518 | 0.009517776 | 1.847279247 | 0.064726272 | 0.103557677 | -5.49597071 | ns |

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| PEAR1 | 0.009741485 | -0.00098816 | 1.847049402 | 0.064759013 | 0.103557677 | -5.5099916 | ns |
| MYL1 | 0.016148189 | 0.036114753 | 1.843479363 | 0.065278724 | 0.104331622 | -5.50173483 | ns |
| TRAF3IP2 | 0.0188626 | 0.067928226 | 1.841596973 | 0.065553813 | 0.104680841 | -5.50518338 | ns |
| FAP | 0.011417803 | -0.00573277 | 1.841489605 | 0.065568924 | 0.104680841 | -5.52018848 | ns |
| B3GAT3 | 0.00817281 | 0.005472928 | 1.839110769 | 0.065918606 | 0.105136902 | -5.50973272 | ns |
| SRC | -0.05227358 | -0.05705954 | -1.83905318 | 0.065926599 | 0.105136902 | -5.52097435 | ns |
| SDHB | -0.02721742 | 0.110010598 | -1.83778278 | 0.066113593 | 0.10537756 | -5.52553054 | ns |
| CD276 | -0.01465904 | -0.04616761 | -1.83752522 | 0.066151746 | 0.105380851 | -5.5207515 | ns |
| IGSF21 | 0.015909456 | 0.029836018 | 1.836261645 | 0.066338646 | 0.105620963 | -5.51587411 | ns |
| CHRD2 | -0.02327704 | 0.019447355 | -1.833292396 | 0.066684684 | 0.106114047 | -5.52739451 | ns |
| ITGAX | -0.02146634 | 0.048829583 | -1.83329889 | 0.066777593 | 0.106204015 | -5.52678673 | ns |
| PRSS22 | -0.01326437 | 0.007900904 | -1.82867795 | 0.067467667 | 0.107243107 | -5.52808079 | ns |
| STK24 | -0.02623939 | 0.03087498 | -1.82821851 | 0.067536524 | 0.107294151 | -5.53096024 | ns |
| COMMD9 | -0.01562284 | 0.046024029 | -1.82737293 | 0.067662996 | 0.107436622 | -5.5445751 | ns |
| SCGN | -0.01864739 | 0.019422048 | -1.82704001 | 0.067713475 | 0.10745834 | -5.53342629 | ns |
| PAEP | -0.05805846 | 0.603761557 | -1.8257276 | 0.067910823 | 0.10771193 | -5.54127284 | ns |
| COL9A2 | -0.01843628 | 0.034086214 | -1.82547396 | 0.067949063 | 0.10771193 | -5.54102083 | ns |
| SLITRK1 | 0.013388344 | 0.037649771 | 1.825244744 | 0.067983934 | 0.10771193 | -5.53431724 | ns |
| PROCR | 0.014043918 | 0.035921165 | 1.823971807 | 0.068176179 | 0.10795794 | -5.5373019 | ns |
| ATP5PO | -0.01714935 | -0.00259435 | -1.8209741 | 0.068630616 | 0.108618644 | -5.54410306 | ns |
| CLSPN | -0.01524938 | 0.036394742 | -1.81778684 | 0.069116616 | 0.109328559 | -5.54869789 | ns |
| ACTN4 | -0.0134174 | 0.020719715 | -1.81593451 | 0.069400233 | 0.109717747 | -5.55353966 | ns |
| FIS1 | -0.03276318 | 0.041544459 | -1.81299126 | 0.069852721 | 0.110373346 | -5.56588785 | ns |
| FGL1 | -0.02449116 | -0.03821862 | -1.81272221 | 0.069894041 | 0.110378907 | -5.57095341 | ns |
| PMS1 | -0.02023702 | 0.028484365 | -1.81054871 | 0.070230586 | 0.110811036 | -5.56249974 | ns |
| COPB2 | -0.01705989 | 0.014551357 | -1.8104656 | 0.070243571 | 0.110811036 | -5.56170546 | ns |
| TXNL1 | -0.03978135 | 0.30466603 | -1.80806829 | 0.070615828 | 0.111338131 | -5.56673945 | ns |
| CDKL5 | 0.020766708 | 0.076932762 | 1.805049363 | 0.071086899 | 0.112020369 | -5.57287374 | ns |
| NECAP2 | -0.02618475 | 0.090447479 | -1.80011177 | 0.071863032 | 0.113182337 | -5.58029041 | ns |
| C2CD2L | -0.01797873 | 0.003650349 | -1.79801647 | 0.072194455 | 0.113643024 | -5.58423679 | ns |
| CR2 | -0.01943917 | 0.002131041 | -1.79654467 | 0.072427586 | 0.113948574 | -5.59615724 | ns |
| EIF4E | -0.03534408 | 0.016366396 | -1.7883331 | 0.073742412 | 0.115954681 | -5.60062758 | ns |
| ERCC1 | 0.01263003 | 0.004867171 | 1.788065925 | 0.073785519 | 0.115960019 | -5.60004254 | ns |
| C7orf50 | -0.00938274 | 0.021179467 | -1.78654003 | 0.07403314 | 0.116283856 | -5.61891703 | ns |
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| FCRL2 | -0.02020015 | 0.008403667 | -1.78097894 | 0.074935466 | 0.117451187 | -5.62916188 | ns |
| CALCOCO1 | -0.04382069 | 0.011091652 | -1.77868013 | 0.07531186 | 0.117977807 | -5.63253017 | ns |
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| OBP2B | 0.026329572 | -0.03002272 | 1.777584635 | 0.075492071 | 0.118084532 | -5.62546628 | ns |
| CA4 | -0.00972153 | -0.00525554 | -1.7775261 | 0.075501308 | 0.118084532 | -5.6352898 | ns |
| DNAJA1 | 0.01765526 | 0.037094083 | 1.775370734 | 0.075856934 | 0.118577219 | -5.62253236 | ns |
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| PTK7 | -0.01545796 | -0.0118655 | -1.77301108 | 0.076247068 | 0.118995958 | -5.6298018 | ns |
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| ACTA2 | -0.01754064 | 0.001956434 | -1.77012444 | 0.076726633 | 0.119599692 | -5.63472601 | ns |
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| FLRT2 | -0.01142286 | -0.00756602 | -1.76861465 | 0.076978164 | 0.119880661 | -5.64333738 | ns |
| MYH4 | 0.018003274 | 0.062714261 | 1.767837583 | 0.077108342 | 0.120019381 | -5.63753839 | ns |
| WASF3 | -0.03456596 | -0.02752928 | -1.76741105 | 0.07717965 | 0.120066371 | -5.63965869 | ns |
| DHPS | -0.0157262 | 0.015589513 | -1.75726616 | 0.078892257 | 0.122665276 | -5.66953134 | ns |
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| TMED8 | -0.03953391 | -0.03805682 | -1.75366977 | 0.079506918 | 0.123423818 | -5.67573582 | ns |
| CRYZL1 | -0.03542317 | -0.00707406 | -1.75230755 | 0.079741263 | 0.12367066 | -5.66565383 | ns |
| NOP56 | -0.04176616 | 0.32764567 | -1.75225339 | 0.079750635 | 0.12367066 | -5.66481101 | ns |
| CLEC4M | 0.018429316 | 0.040276335 | 1.74986155 | 0.080162054 | 0.124242674 | -5.68202977 | ns |
| DHODH | -0.01815606 | 0.04496766 | -1.74912223 | 0.080290302 | 0.124375428 | -5.67026148 | ns |
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| TMEM25 | 0.016803493 | 0.030939852 | 1.74857097 | 0.080384974 | 0.124390102 | -5.68660149 | ns |
| SOX9 | -0.01015514 | -0.01590623 | -1.74706891 | 0.080645695 | 0.124727452 | -5.67477561 | ns |
| MELTF | 0.010942259 | 0.000390219 | 1.746300149 | 0.080778634 | 0.12486692 | -5.68965141 | ns |
| CREBZF | 0.009930298 | 0.007433767 | 1.738999204 | 0.082055387 | 0.126773402 | -5.68607852 | ns |
| SCN3B | -0.01834227 | 0.065220673 | -1.73509714 | 0.082744033 | 0.127769738 | -5.69599059 | ns |

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| PACS2 | -0.02378497 | 0.04715147 | -1.73304418 | 0.083108323 | 0.128264431 | -5.69809532 | ns |
| SEZ6 | 0.011636088 | 0.016932741 | 1.729142911 | 0.083803938 | 0.129269678 | -5.70575589 | ns |
| MAMDC4 | 0.020483609 | 0.011583313 | 1.728031238 | 0.084002605 | 0.129507712 | -5.72019532 | ns |
| DNM1 | -0.04302743 | -0.09300698 | -1.72670816 | 0.084240061 | 0.129805265 | -5.72239421 | ns |
| MMP13 | 0.012675484 | -0.00648146 | 1.726094889 | 0.084350842 | 0.129907415 | -5.71141801 | ns |
| IL3 | 0.02263215 | -0.06562363 | 1.723786157 | 0.084767028 | 0.130416598 | -5.71226786 | ns |
| ZNRF4 | -0.02047746 | 0.023850275 | -1.72376219 | 0.084770789 | 0.130416598 | -5.72752248 | ns |
| GIT1 | -0.03710692 | 0.003260664 | -1.72331523 | 0.084852095 | 0.130472943 | -5.71413634 | ns |
| COMP | -0.01363393 | -0.03413648 | -1.72275277 | 0.084953703 | 0.130560428 | -5.71797523 | ns |
| PKLR | -0.0273327 | 0.06966314 | -1.72203948 | 0.0850825 | 0.130689585 | -5.72683389 | ns |
| B4GAT1 | 0.009981368 | 0.014502876 | 1.719899673 | 0.085470812 | 0.131217019 | -5.73143659 | ns |
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| VIPR1 | 0.008912143 | 0.008147347 | 1.716408554 | 0.086107831 | 0.132056128 | -5.72756187 | ns |
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| TBL1X | -0.03449341 | -0.04315182 | -1.71306388 | 0.086721394 | 0.132787871 | -5.73276691 | ns |
| INPP1 | -0.02161582 | 0.027317281 | -1.71237506 | 0.086847838 | 0.132911786 | -5.74140392 | ns |
| PLA2G4A | -0.0354776 | -0.02162898 | -1.71123741 | 0.087057412 | 0.133162726 | -5.74702192 | ns |
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| NTRK2 | -0.01009323 | -0.00515125 | -1.70729527 | 0.087787464 | 0.134138877 | -5.75034766 | ns |
| HTR1B | -0.01604124 | 0.067602951 | -1.7067943 | 0.087880883 | 0.13421139 | -5.74442199 | ns |
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| CSF1R | -0.01437961 | 0.001406766 | -1.6863519 | 0.091748192 | 0.139621059 | -5.79081754 | ns |
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| DAND5 | 0.0209214 | -0.02889761 | 1.683941009 | 0.092213828 | 0.140168858 | -5.78083355 | ns |
| VIM | -0.04538748 | -0.15861497 | -1.68367143 | 0.092265902 | 0.140175044 | -5.78317415 | ns |
| SSNA1 | -0.01879313 | 0.035008125 | -1.68040493 | 0.092898756 | 0.141063113 | -5.80083805 | ns |
| PAFAH2 | -0.01836765 | 0.031797092 | -1.67943637 | 0.093087491 | 0.141276234 | -5.79550651 | ns |
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| FGFBP1 | 0.012318144 | 0.004076195 | 1.672007781 | 0.094543055 | 0.143187615 | -5.81370505 | ns |
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| LILRB5 | -0.02765225 | -0.1654132 | -1.65587954 | 0.097766444 | 0.147305478 | -5.8429684 | ns |
| BMP6 | -0.01596906 | -0.01019986 | -1.65505114 | 0.09793499 | 0.147483327 | -5.82995307 | ns |
| EDAR | -0.03596498 | 0.052893438 | -1.65290909 | 0.098369826 | 0.1480618 | -5.84342733 | ns |
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| HDDC2 | -0.0156643 | 0.034345231 | -1.64005616 | 0.101013831 | 0.151380903 | -5.86745641 | ns |
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| ITIH3 | -0.01450978 | -0.04103274 | -1.62249585 | 0.104717753 | 0.156167436 | -5.89203777 | ns |
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| STEAP4 | 0.02474968 | 0.136177115 | 1.54891942 | 0.121422079 | 0.177364918 | -5.99996727 | ns |
| NDUFA5 | -0.01189873 | -0.00320435 | -1.5482103 | 0.121592759 | 0.177525428 | -5.99765605 | ns |
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| NLGN2 | 0.016248752 | 0.090306197 | 1.526883315 | 0.126811004 | 0.184039827 | -6.03366575 | ns |
| MDGA1 | 0.025016885 | -0.03926383 | 1.525007922 | 0.127277831 | 0.184625567 | -6.04226893 | ns |
| IL33 | -0.01370185 | -0.01659228 | -1.52379116 | 0.127581822 | 0.184974638 | -6.03861854 | ns |
| LAMP1 | 0.009269799 | 0.021496303 | 1.519786083 | 0.128585773 | 0.186337695 | -6.04351976 | ns |
| APPL2 | -0.03758275 | -0.06227341 | -1.51801077 | 0.129032555 | 0.186892391 | -6.04747323 | ns |
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| FGFBP2 | 0.016391314 | 0.026673303 | 1.509451587 | 0.131203824 | 0.189473375 | -6.07264252 | ns |
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| CADPS | -0.01411516 | 0.059040309 | -1.504259 | 0.132535585 | 0.191207465 | -6.06727001 | ns |
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| REXO2 | 0.016489994 | 0.098420301 | 1.501625373 | 0.133214891 | 0.19199777 | -6.07025623 | ns |
| HRG | -0.01042684 | -0.0149451 | -1.50101631 | 0.133371859 | 0.19212917 | -6.08211384 | ns |
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| TPPP2 | 0.025921437 | 0.081118914 | 1.499284633 | 0.133820484 | 0.192585418 | -6.0802332 | ns |
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| GMPR | -0.01759644 | -0.0478651 | -1.49243773 | 0.135604741 | 0.194769229 | -6.09945099 | ns |
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| LILRA3 | 0.04499207 | -0.39521281 | 1.483007489 | 0.138092774 | 0.198050541 | -6.11199209 | ns |
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| IL5RA | -0.0191315 | -0.01403151 | -1.47212176 | 0.141008509 | 0.201539328 | -6.12434654 | ns |
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| PTPRR | -0.01157131 | 0.016323987 | -1.46641662 | 0.142555109 | 0.203351694 | -6.13672461 | ns |
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| BEX3 | 0.015032913 | 0.045650722 | 1.463932022 | 0.143233446 | 0.204119893 | -6.12408574 | ns |
| SATB1 | -0.00971454 | 0.036292245 | -1.46248625 | 0.143628253 | 0.204582683 | -6.14339721 | ns |
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| ZP3 | 0.083192342 | -1.06320738 | 1.451235014 | 0.146735234 | 0.2084997 | -6.14517719 | ns |
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| IVD | -0.01654652 | -0.00277769 | -1.43836263 | 0.150351959 | 0.213120252 | -6.16410699 | ns |
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| DEFB116 | -0.02353124 | 0.196574092 | -1.43367989 | 0.151684369 | 0.214488309 | -6.17085757 | ns |
| CA12 | 0.010306817 | 0.010701771 | 1.432230273 | 0.152098362 | 0.214969611 | -6.17942429 | ns |
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| TBR1 | 0.015038414 | 0.082587646 | 1.421460658 | 0.155203514 | 0.218934426 | -6.18771134 | ns |
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| FMR1 | -0.01114719 | -0.00868669 | -1.41050493 | 0.158411321 | 0.222920992 | -6.20262892 | ns |
| MILR1 | -0.01670967 | 0.004733664 | -1.40982649 | 0.158611509 | 0.223095186 | -6.20484425 | ns |
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| PAR3 | -0.02092693 | 0.088625529 | -1.29648083 | 0.194829476 | 0.264236912 | -6.36215614 | ns |
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| PDIA5 | -0.01571253 | 0.027333797 | -1.19420296 | 0.23241744 | 0.306669193 | -6.48055565 | ns |
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| CD33 | -0.02234044 | -0.21778005 | -1.18861033 | 0.234611325 | 0.309087962 | -6.50131528 | ns |
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| IL10RA | -0.01598322 | 0.098333949 | -1.18093522 | 0.237647053 | 0.31244007 | -6.49968982 | ns |

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| NTF3 | 0.009711216 | 0.011981507 | 1.178827181 | 0.238485278 | 0.313260014 | -6.51096595 | ns |
| CHRM1 | 0.009586388 | 0.020869204 | 1.177820621 | 0.23888667 | 0.313646167 | -6.50258459 | ns |
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| HDAC8 | -0.01613072 | 0.127582516 | -1.17201301 | 0.241210405 | 0.31641257 | -6.50773272 | ns |
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| CEACAM20 | -0.01130285 | 0.044162581 | -1.1696851 | 0.242145977 | 0.316927949 | -6.51764279 | ns |
| GSAP | -0.02412161 | 0.246874791 | -1.16684351 | 0.243292069 | 0.318285323 | -6.51487138 | ns |
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| ACP1 | 0.011337414 | 0.062168837 | 1.156248836 | 0.247597761 | 0.323222973 | -6.52598171 | ns |
| GZMB | 0.017144335 | 0.032553069 | 1.156194056 | 0.247619791 | 0.323222973 | -6.53724595 | ns |
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| EDNRB | -0.01131552 | 0.062912895 | -1.13440597 | 0.256642383 | 0.333361103 | -6.55085919 | ns |
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| ACAN | 0.007524404 | -0.00876062 | 1.130771331 | 0.258169193 | 0.334897398 | -6.56059343 | ns |
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| FAM171A2 | 0.038340779 | 0.39026599 | 1.107269693 | 0.268194501 | 0.346210408 | -6.59732855 | ns |
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| MDM1 | -0.00761939 | 0.006545231 | -1.10535084 | 0.269025189 | 0.34697595 | -6.58485446 | ns |
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| SH3GL3 | -0.02064703 | -0.01478156 | -1.09295763 | 0.27442976 | 0.353322266 | -6.60053391 | ns |
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| ASPEN | 0.006302391 | 0.007381007 | 1.088262063 | 0.276496367 | 0.355512721 | -6.61717619 | ns |
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| MLLT1 | 0.016186629 | 0.080641185 | 1.087688633 | 0.276750037 | 0.355525784 | -6.60140243 | ns |
| VPS28 | -0.0159228 | 0.065348707 | -1.08574938 | 0.277607029 | 0.356324273 | -6.61177762 | ns |
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| IL31 | 0.013118701 | 0.107510903 | 1.080090173 | 0.280119353 | 0.359379837 | -6.61066462 | ns |
| CCN2 | -0.01473474 | -0.01454191 | -1.07775893 | 0.281158325 | 0.360554373 | -6.62247918 | ns |
| MFAP4 | 0.007323059 | 0.016450145 | 1.076627445 | 0.281663887 | 0.36104414 | -6.61688975 | ns |
| GHRHR | -0.01383964 | 0.085430385 | -1.07541946 | 0.282204191 | 0.361440444 | -6.61774012 | ns |
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| ITGA2 | 0.007889101 | 0.018631455 | 1.07489949 | 0.282436854 | 0.361440444 | -6.6187383 | ns |
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| PSMD5 | 0.012971312 | 0.079579642 | 1.073680311 | 0.282983129 | 0.361940751 | -6.61916816 | ns |
| CD300LG | 0.009064191 | 0.019753201 | 1.072411099 | 0.283552263 | 0.362509899 | -6.63045385 | ns |
| MAGEA3 | 0.019588325 | -0.08175182 | 1.071950307 | 0.283759297 | 0.362615819 | -6.62658293 | ns |
| ITPA | -0.01572079 | 0.00633964 | -1.07126692 | 0.284066628 | 0.362746285 | -6.62078634 | ns |
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| RBM17 | -0.01755021 | 0.027297952 | -1.06442316 | 0.287153603 | 0.366312153 | -6.64360215 | ns |
| LAMA1 | 0.012433343 | 0.125759385 | 1.061656228 | 0.288408833 | 0.367752748 | -6.63097872 | ns |
| ERVV-1 | 0.010535467 | 0.046614404 | 1.05994412 | 0.289187052 | 0.368584109 | -6.63278481 | ns |
| BLMH | -0.00774258 | -0.00352135 | -1.05788093 | 0.290126204 | 0.369619772 | -6.64995655 | ns |
| FABP9 | -0.01378868 | 0.02416113 | -1.05039009 | 0.293555344 | 0.373825383 | -6.65334177 | ns |
| THBS2 | -0.00844922 | 0.012417318 | -1.04987372 | 0.293792682 | 0.37396453 | -6.65423898 | ns |
| SAT2 | -0.01586433 | 0.05538566 | -1.04876375 | 0.294303468 | 0.374451471 | -6.6510339 | ns |
| CD109 | 0.008132368 | -0.00691789 | 1.045887638 | 0.295629361 | 0.375974623 | -6.65839318 | ns |
| IL13RA2 | 0.006470988 | -0.01318803 | 1.044554346 | 0.296245735 | 0.376552003 | -6.65033931 | ns |
| IL5 | 0.03549703 | 0.307193057 | 1.044347689 | 0.296341268 | 0.376552003 | -6.65081859 | ns |
| NMRK2 | 0.009619512 | 0.067304802 | 1.041979502 | 0.29743795 | 0.377781128 | -6.64980316 | ns |
| TIE1 | 0.010163756 | -0.07811984 | 1.040091893 | 0.298313421 | 0.378728344 | -6.66851626 | ns |
| CSF2 | -0.00824447 | 0.012711188 | -1.03724174 | 0.299639892 | 0.38024706 | -6.6564579 | ns |
| SOX2 | 0.005247632 | -0.00078117 | 1.036014815 | 0.300211406 | 0.380806822 | -6.67198797 | ns |
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| MRPL24 | -0.00864536 | 0.013004816 | -1.02786909 | 0.304027952 | 0.385313203 | -6.66608186 | ns |
| CENPF | -0.01274083 | 0.062890825 | -1.0233189 | 0.306173306 | 0.387863797 | -6.67725108 | ns |
| ARFIP1 | -0.01542355 | 0.050202676 | -1.02002344 | 0.30773324 | 0.389670885 | -6.68962705 | ns |
| TADA3 | -0.00881547 | 0.008539283 | -1.01695318 | 0.309191627 | 0.391236709 | -6.690803 | ns |
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| TSPAN7 | -0.0215831 | 0.292569993 | -1.01420923 | 0.310499197 | 0.392492492 | -6.68140279 | ns |
| PTPN9 | -0.00850227 | 0.02560713 | -1.01148863 | 0.311798929 | 0.393964895 | -6.68093586 | ns |
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| PRL | 0.016919196 | 0.108852202 | 1.002755548 | 0.315994468 | 0.39823213 | -6.70702741 | ns |
| RGS10 | -0.01302128 | 0.050055733 | -1.00171252 | 0.316498074 | 0.398694727 | -6.70803724 | ns |
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| MYL6B | -0.02046136 | 0.267128984 | -0.9980797 | 0.318256688 | 0.400564453 | -6.69704651 | ns |
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| ARNTL | 0.011421882 | 0.106952634 | 0.995361796 | 0.319576354 | 0.401705964 | -6.69878391 | ns |
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| FRMD4B | -0.01563768 | 0.107944685 | -0.98900338 | 0.322677408 | 0.40465468 | -6.70505757 | ns |
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| ANGPT1 | -0.0196505 | -0.07270749 | -0.98823664 | 0.323052405 | 0.404855374 | -6.71326401 | ns |
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| SYT1 | -0.00836518 | 0.032338692 | -0.97622953 | 0.328965966 | 0.411736229 | -6.73214902 | ns |
| NGF | 0.002724436 | -0.00377047 | 0.974691851 | 0.329728576 | 0.4125139 | -6.72628524 | ns |
| TYRP1 | 0.013071024 | -0.04533902 | 0.974219774 | 0.329963102 | 0.412630517 | -6.71880428 | ns |
| SERPINA9 | -0.01614209 | 0.001594051 | -0.97287152 | 0.330632634 | 0.413290793 | -6.72621149 | ns |
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| BRD2 | -0.00726041 | 0.017556094 | -0.97066227 | 0.331732057 | 0.414310354 | -6.7243809 | ns |
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| C1GALT1C1 | 0.006807609 | 0.008485413 | 0.964454029 | 0.334833861 | 0.417826869 | -6.72890242 | ns |
| HIP1 | -0.00709466 | 0.038352973 | -0.9641599 | 0.334981277 | 0.417832263 | -6.72918448 | ns |
| CCT5 | -0.0104184 | 0.05462942 | -0.96343245 | 0.335346035 | 0.418108634 | -6.73032704 | ns |
| B3GNT7 | -0.00759791 | -0.0376696 | -0.96170188 | 0.3362148 | 0.419012896 | -6.73248701 | ns |
| AOC1 | -0.01278563 | 0.084091405 | -0.95912295 | 0.337512159 | 0.4204503 | -6.73571833 | ns |
| UBE2B | -0.00606863 | 0.012489597 | -0.95810573 | 0.338024436 | 0.420908893 | -6.74860242 | ns |
| IL1A | -0.012596 | 0.074834604 | -0.95562731 | 0.339275849 | 0.422287076 | -6.73904645 | ns |
| LYPD8 | 0.011051795 | -0.00238495 | 0.952155042 | 0.341033657 | 0.424294111 | -6.74106855 | ns |
| SEMA7A | -0.00589481 | 0.004378665 | -0.95106874 | 0.34158436 | 0.424798268 | -6.75445372 | ns |
| ATP1B2 | 0.006440436 | 0.018758175 | 0.949097356 | 0.342586357 | 0.425715449 | -6.74351374 | ns |
| PPT1 | -0.01625676 | 0.199648092 | -0.94904389 | 0.342613461 | 0.425715449 | -6.74452125 | ns |
| DYNC1H1 | 0.00985399 | 0.047359834 | 0.947659417 | 0.343317689 | 0.426409039 | -6.75850276 | ns |
| GPIHBP1 | -0.01445869 | -0.08396748 | -0.94717385 | 0.343564999 | 0.426534777 | -6.75888561 | ns |
| TREH | -0.01561048 | -0.05782232 | -0.94651421 | 0.343901148 | 0.426770656 | -6.76015992 | ns |

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| TEX101 | 0.010133764 | 0.099581517 | 0.944984086 | 0.344682105 | 0.427429703 | -6.74834464 | ns |
| S100G | 0.009398034 | 0.06627761 | 0.944531934 | 0.344912592 | 0.427429703 | -6.76338139 | ns |
| CTRL | 0.013513674 | -0.00451214 | 0.944109383 | 0.34512847 | 0.427429703 | -6.76282352 | ns |
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| ALMS1 | -0.00911102 | 0.03938938 | -0.94057515 | 0.346937502 | 0.429261655 | -6.75805555 | ns |
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| ATP1B4 | 0.008663651 | 0.04827829 | 0.939473447 | 0.347502823 | 0.429597055 | -6.75079229 | ns |
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| KRT6C | -0.00773774 | 0.040945078 | -0.93407856 | 0.350278376 | 0.432610443 | -6.75757677 | ns |
| RAB37 | -0.0183528 | 0.193401466 | -0.93387204 | 0.350384828 | 0.432610443 | -6.75948604 | ns |
| IMPA1 | -0.01327214 | 0.039305942 | -0.93092541 | 0.351906867 | 0.434306024 | -6.76775812 | ns |
| HMGCS1 | 0.008867136 | 0.023525376 | 0.930454494 | 0.352150757 | 0.434423409 | -6.76093661 | ns |
| TOP1MT | -0.01012807 | 0.038744892 | -0.92900183 | 0.352903062 | 0.435167627 | -6.76052079 | ns |
| AMDHD2 | 0.005174797 | -0.03569156 | 0.927033861 | 0.353923404 | 0.436241595 | -6.77831018 | ns |
| JMJD1C | -0.01159236 | 0.054007275 | -0.92662468 | 0.354136321 | 0.436319855 | -6.76271406 | ns |
| DCTPP1 | 0.006534083 | -0.01273703 | 0.922932985 | 0.356056676 | 0.438500841 | -6.77617586 | ns |
| EXTL1 | 0.009738551 | 0.074238247 | 0.921550121 | 0.356778076 | 0.439204039 | -6.76913633 | ns |
| C1QBP | -0.01367351 | 0.112604731 | -0.92089086 | 0.357121721 | 0.439441815 | -6.78531309 | ns |
| GNPDA1 | -0.0065047 | 0.029462089 | -0.92040714 | 0.357374765 | 0.43956795 | -6.77113233 | ns |
| ATP1B1 | 0.009859431 | 0.0610765 | 0.919201182 | 0.358005102 | 0.440157852 | -6.77128624 | ns |
| PCDHB15 | -0.00789832 | 0.013597725 | -0.91833093 | 0.358459975 | 0.440325617 | -6.78571836 | ns |
| KIAA1549 | -0.0137659 | -0.01014461 | -0.91824479 | 0.358505228 | 0.440325617 | -6.77869595 | ns |
| DCN | 0.004565497 | -0.00308751 | 0.917891263 | 0.358690489 | 0.440325617 | -6.77370859 | ns |
| ADD1 | -0.01430956 | 0.017132858 | -0.9177875 | 0.35874474 | 0.440325617 | -6.774409 | ns |
| FOLR1 | -0.00571479 | 0.006530722 | -0.91229229 | 0.361629169 | 0.443679484 | -6.78782211 | ns |
| SLC34A3 | -0.00994465 | 0.03523829 | -0.91172525 | 0.361927998 | 0.443859619 | -6.776333 | ns |
| NUDT10 | 0.004776796 | 0.022348909 | 0.907802065 | 0.363997315 | 0.446209975 | -6.78259089 | ns |
| ANKMY2 | -0.01597346 | 0.016214311 | -0.90523143 | 0.365357297 | 0.447689177 | -6.78327408 | ns |
| IL6ST | -0.00366622 | -0.00855254 | -0.90428994 | 0.36585591 | 0.448112104 | -6.79311544 | ns |
| OFD1 | -0.01288243 | 0.153501516 | -0.90335948 | 0.36634939 | 0.448528393 | -6.79217931 | ns |
| FSHB | 0.012928733 | 0.487550514 | 0.9025405 | 0.366784235 | 0.448833245 | -6.78732715 | ns |
| ART3 | 0.006965982 | 0.031598704 | 0.902311063 | 0.366905806 | 0.448833245 | -6.79620238 | ns |
| NFKB2 | -0.01125576 | 0.103181734 | -0.90101221 | 0.36759604 | 0.449489295 | -6.79428539 | ns |
| NME1 | 0.004172361 | 0.006782124 | 0.899700904 | 0.368293851 | 0.450154058 | -6.78823748 | ns |
| ADGRE2 | -0.00584987 | -0.00303074 | -0.89639517 | 0.370055744 | 0.452118315 | -6.80359955 | ns |
| VWC2L | 0.009219904 | 0.087433601 | 0.894448274 | 0.371095961 | 0.453199585 | -6.80918521 | ns |
| CD248 | -0.00770537 | 0.007250087 | -0.89375753 | 0.371465531 | 0.453461267 | -6.80844152 | ns |
| TEF | 0.008379975 | 0.016446648 | 0.891789779 | 0.372519895 | 0.454558334 | -6.79596949 | ns |
| ARHGAP30 | -0.00787773 | 0.08474333 | -0.89131813 | 0.372772574 | 0.454676657 | -6.80292535 | ns |
| RBM19 | -0.00920066 | 0.061012731 | -0.89044338 | 0.373242108 | 0.455059271 | -6.79716263 | ns |
| TP53INP1 | 0.006820769 | 0.047242235 | 0.888984562 | 0.37402557 | 0.45582415 | -6.79967953 | ns |
| KLRC1 | 0.011706575 | 0.097034294 | 0.887645105 | 0.374745842 | 0.456457972 | -6.80108983 | ns |
| SLITRK6 | -0.00707016 | 0.001927655 | -0.88732276 | 0.374919321 | 0.456457972 | -6.8011473 | ns |
| ARG1 | 0.011026971 | 0.014040779 | 0.887145306 | 0.375014614 | 0.456457972 | -6.80900793 | ns |
| GFOD2 | 0.026485914 | 0.48734443 | 0.885396961 | 0.375956724 | 0.457414014 | -6.80206431 | ns |
| MAN1A2 | 0.00497424 | -0.00399554 | 0.884780439 | 0.37628917 | 0.457627812 | -6.80311078 | ns |
| COL5A1 | 0.007315611 | 0.026862329 | 0.879882066 | 0.378937162 | 0.460501331 | -6.80829149 | ns |
| KIF20B | 0.014810594 | 0.062821701 | 0.879826436 | 0.378967363 | 0.460501331 | -6.80796127 | ns |
| CD200R1 | -0.00717486 | 0.016221367 | -0.8793441 | 0.379228552 | 0.460627026 | -6.81569939 | ns |
| KCNC4 | 0.010827221 | 0.109911548 | 0.878263273 | 0.379814856 | 0.461147352 | -6.80932777 | ns |
| NUDT15 | -0.00984163 | 0.061754334 | -0.87682076 | 0.380598013 | 0.461906151 | -6.80913329 | ns |
| STX5 | -0.007824 | 0.040134448 | -0.87652959 | 0.380756202 | 0.461906152 | -6.80870203 | ns |
| CDH22 | 0.005421247 | 0.013496106 | 0.872136788 | 0.383147474 | 0.464614046 | -6.81974554 | ns |
| IGFBP7 | -0.00563232 | -0.01732856 | -0.87105553 | 0.383737312 | 0.464849197 | -6.82917274 | ns |
| TDGF1 | 0.029501182 | 0.194851732 | 0.870950444 | 0.383795087 | 0.464849197 | -6.81562399 | ns |
| ZP4 | 0.006470908 | 0.038133797 | 0.870906768 | 0.383818977 | 0.464849197 | -6.81251274 | ns |
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| SYNGAP1 | 0.010921276 | 0.080529715 | 0.868719255 | 0.385014534 | 0.465910667 | -6.81761832 | ns |
| SOWAHA | 0.009297407 | 0.065157369 | 0.864290446 | 0.387442073 | 0.46865404 | -6.82093904 | ns |
| BCL2L11 | -0.00879389 | -0.07996345 | -0.86089324 | 0.389310297 | 0.470718869 | -6.8334484 | ns |
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| GBP6 | -0.0080997 | 0.046211873 | -0.85217211 | 0.394132152 | 0.47576101 | -6.83032389 | ns |

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| ZNF174 | -0.00677311 | 0.051263643 | -0.84803605 | 0.396431397 | 0.47833871 | -6.8331352 | ns |
| IL10 | -0.01608511 | 0.056158783 | -0.84409178 | 0.39863149 | 0.480794692 | -6.8388581 | ns |
| CA11 | -0.00601618 | 0.047150199 | -0.84064971 | 0.400557562 | 0.482918283 | -6.84046844 | ns |
| CD40LG | -0.01534815 | -0.04097146 | -0.83900915 | 0.40147709 | 0.483827116 | -6.85704258 | ns |
| NRXN3 | -0.00655099 | 0.05584233 | -0.83375903 | 0.404429961 | 0.487184606 | -6.84671765 | ns |
| IL4 | -0.01741216 | -0.15304078 | -0.83178396 | 0.405544048 | 0.488325204 | -6.84911437 | ns |
| CXCL8 | -0.01298452 | -0.00524954 | -0.82711181 | 0.408186603 | 0.491304568 | -6.86029172 | ns |
| FRMD7 | 0.005909736 | -0.00560272 | 0.826388457 | 0.408596813 | 0.491441632 | -6.85280196 | ns |
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| PPP1R14D | 0.006731096 | 0.021593085 | 0.825201079 | 0.409270121 | 0.491797841 | -6.86840593 | ns |
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| FGF16 | 0.008505062 | 0.023372222 | 0.822024161 | 0.411076181 | 0.493359001 | -6.85473546 | ns |
| CCS | 0.009044594 | 0.028143193 | 0.819241695 | 0.412661316 | 0.495044068 | -6.86495685 | ns |
| MEP1B | -0.02280492 | -0.20000856 | -0.81883189 | 0.41289508 | 0.495044068 | -6.86634155 | ns |
| DUSP29 | -0.01157638 | 0.098036284 | -0.81866791 | 0.412988819 | 0.495044068 | -6.85911724 | ns |
| TAB2 | -0.01932275 | 0.011923119 | -0.81724782 | 0.413799571 | 0.495729152 | -6.86585636 | ns |
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| NXPE4 | 0.006061909 | 0.033016579 | 0.814594024 | 0.415317637 | 0.497223247 | -6.86146741 | ns |
| CSNK2A1 | 0.007985831 | 0.038722309 | 0.813508453 | 0.415939079 | 0.49776316 | -6.87793493 | ns |
| BTN1A1 | 0.006985523 | 0.047315714 | 0.811759644 | 0.416942092 | 0.498759077 | -6.87636606 | ns |
| MEGF11 | -0.00582398 | 0.039142756 | -0.80691813 | 0.419726417 | 0.501884167 | -6.86765624 | ns |
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| SKIV2L | -0.0068303 | 0.03970892 | -0.80475184 | 0.420975625 | 0.502965968 | -6.86939225 | ns |
| KCNH2 | -0.01325829 | 0.214804303 | -0.80263805 | 0.422196591 | 0.504033095 | -6.87204011 | ns |
| ANGPT2 | -0.00712642 | -0.00772069 | -0.80260732 | 0.422214024 | 0.504033095 | -6.88745874 | ns |
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| VTA1 | -0.01325559 | 0.019069895 | -0.79032793 | 0.429348366 | 0.511713154 | -6.89645408 | ns |
| PRR4 | -0.01208846 | 0.058512286 | -0.78931654 | 0.429939467 | 0.512208586 | -6.88007968 | ns |
| SPINT3 | 0.025162897 | 0.982776912 | 0.785455766 | 0.43219843 | 0.51468981 | -6.89822886 | ns |
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| TRIM40 | -0.01225552 | 0.036227833 | -0.77987454 | 0.435476935 | 0.517960347 | -6.8899524 | ns |
| ARHGAP5 | -0.01283425 | 0.160408679 | -0.77782136 | 0.436686583 | 0.519187631 | -6.88882262 | ns |
| LYZL2 | 0.006063298 | 0.034659601 | 0.77738009 | 0.436946796 | 0.519253543 | -6.88916385 | ns |
| SLC12A2 | -0.00448462 | 0.01478247 | -0.77712429 | 0.437097674 | 0.519253543 | -6.89112303 | ns |
| MFASC | -0.00482884 | -0.0135977 | -0.77608439 | 0.437710978 | 0.519619456 | -6.90758471 | ns |
| HMBS | -0.00797783 | -0.02120055 | -0.77599867 | 0.437761597 | 0.519619456 | -6.90834858 | ns |
| XPNPEP2 | 0.017624771 | -0.08891704 | 0.770964681 | 0.440739667 | 0.522941823 | -6.90830091 | ns |
| MYOM2 | 0.008308503 | 0.048417307 | 0.769154317 | 0.441813791 | 0.524003359 | -6.89725084 | ns |
| TPBGL | -0.00699635 | 0.053055573 | -0.76656692 | 0.443351022 | 0.525613067 | -6.90018533 | ns |
| DCLRE1C | 0.005317311 | 0.012530805 | 0.764726947 | 0.444446168 | 0.526697569 | -6.89886595 | ns |
| ISLR2 | 0.006625778 | -0.00849424 | 0.753991019 | 0.450866447 | 0.533953965 | -6.90779372 | ns |
| SULT1A1 | -0.0229708 | -0.14694227 | -0.75371766 | 0.451030218 | 0.533953965 | -6.92456654 | ns |
| EP300 | -0.00487522 | 0.001158383 | -0.75357218 | 0.451117956 | 0.533953965 | -6.90836303 | ns |
| STX1B | -0.00702295 | 0.03973848 | -0.75300198 | 0.451460453 | 0.534142837 | -6.91043487 | ns |
| CEP350 | 0.006186176 | 0.013706483 | 0.751185181 | 0.452552984 | 0.535218596 | -6.90907305 | ns |
| NAGPA | -0.00347981 | -0.00723809 | -0.75074791 | 0.45281605 | 0.535312901 | -6.91299579 | ns |
| ISM2 | 0.0069416 | 0.006836245 | 0.747644959 | 0.454685693 | 0.537305635 | -6.92771106 | ns |
| TRPV3 | 0.008090063 | 0.049848417 | 0.744946859 | 0.456315492 | 0.539013446 | -6.91547578 | ns |
| DIPK1C | 0.006901397 | 0.053822815 | 0.74349603 | 0.45719298 | 0.539831582 | -6.91750844 | ns |
| EDF1 | -0.0112792 | 0.083597385 | -0.74184815 | 0.458190568 | 0.540790808 | -6.93336482 | ns |
| POMC | -0.01115487 | -0.02480853 | -0.74028856 | 0.459136447 | 0.541688252 | -6.91986674 | ns |
| NOS2 | -0.00648408 | 0.013017128 | -0.73949221 | 0.459619718 | 0.541877984 | -6.91950195 | ns |
| KIAA2013 | -0.00945594 | 0.130391587 | -0.73941147 | 0.459668413 | 0.541877984 | -6.9332205 | ns |
| IL34 | 0.006013661 | -0.02777598 | 0.734901712 | 0.462410811 | 0.544890867 | -6.92356352 | ns |
| GTF2IRD1 | 0.011846187 | 0.201916723 | 0.733578271 | 0.463217072 | 0.545620755 | -6.93038063 | ns |
| PNPT1 | 0.020947586 | 0.41178701 | 0.730437944 | 0.46513386 | 0.547491137 | -6.92784042 | ns |
| GIMAP7 | 0.004867343 | 0.012774345 | 0.730362437 | 0.46517997 | 0.547491137 | -6.92800921 | ns |
| NUP50 | 0.005132469 | 0.034373407 | 0.727684877 | 0.466817843 | 0.549197463 | -6.92811579 | ns |
| CD82 | 0.006670155 | 0.063498084 | 0.725998842 | 0.46785061 | 0.550190809 | -6.93588184 | ns |
| LY75 | -0.00660159 | -0.02239787 | -0.71902535 | 0.472136248 | 0.554933672 | -6.94491115 | ns |
| CSRP3 | 0.015091408 | 0.120643488 | 0.718818779 | 0.472263758 | 0.554933672 | -6.93449278 | ns |

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| ATXN2 | -0.01771645 | 0.226510673 | -0.71808985 | 0.472713016 | 0.555238136 | -6.93646898 | ns |
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| EHD3 | -0.01823906 | -0.09078662 | -0.71476485 | 0.474765422 | 0.557200576 | -6.93833349 | ns |
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| PRC1 | -0.00708152 | 0.072129964 | -0.70708841 | 0.479522201 | 0.562105511 | -6.95647246 | ns |
| RTBDN | 0.004742746 | 0.002371294 | 0.704921213 | 0.480869999 | 0.563459229 | -6.95234453 | ns |
| PRSS2 | -0.00834687 | 0.007863912 | -0.70347257 | 0.481771961 | 0.564289662 | -6.95498145 | ns |
| KLK3 | -0.01314244 | 0.561798654 | -0.70268098 | 0.482265145 | 0.564640827 | -6.96014215 | ns |
| KLK4 | -0.00972082 | 0.014642121 | -0.7018868 | 0.482760284 | 0.564994 | -6.96282006 | ns |
| VSIG10 | -0.00527176 | 0.022119706 | -0.70117251 | 0.483205923 | 0.56528898 | -6.96061563 | ns |
| CD177 | -0.02099107 | -0.24156238 | -0.70026166 | 0.483774527 | 0.565727521 | -6.95768623 | ns |
| MANEAL | 0.007752383 | -0.01158438 | 0.695086603 | 0.48701178 | 0.569285188 | -6.94941497 | ns |
| PECR | -0.00433561 | 0.021820899 | -0.69464942 | 0.487285737 | 0.569377492 | -6.95243082 | ns |
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| CTSC | -0.00673397 | 0.006153173 | -0.69059164 | 0.489832681 | 0.571889692 | -6.96227611 | ns |
| CAPN3 | 0.005812061 | 0.041324709 | 0.690192225 | 0.490083679 | 0.571889692 | -6.96821337 | ns |
| SFTPD | -0.01072479 | -0.00148899 | -0.68985161 | 0.490297967 | 0.571889692 | -6.96310767 | ns |
| RTKN2 | 0.007690315 | 0.068110995 | 0.689665844 | 0.490414996 | 0.571889692 | -6.95491009 | ns |
| TMEM132A | -0.00954852 | 0.003499861 | -0.6889226 | 0.490882577 | 0.572206437 | -6.95637071 | ns |
| RNF168 | -0.00621994 | 0.034100253 | -0.68497551 | 0.493369936 | 0.574876382 | -6.9574298 | ns |
| EPHA10 | -0.01017542 | 0.094182104 | -0.68132164 | 0.495678466 | 0.577335908 | -6.96198981 | ns |
| TNFSF12 | -0.00451172 | 0.020499813 | -0.67915836 | 0.49704765 | 0.578577006 | -6.97773244 | ns |
| EDIL3 | 0.005728433 | -0.00434516 | 0.679012596 | 0.497140311 | 0.578577006 | -6.96338866 | ns |
| COL28A1 | -0.01098197 | 0.109267738 | -0.6725106 | 0.501268975 | 0.583149564 | -6.96748922 | ns |
| CD3G | 0.013392081 | 0.247847091 | 0.670708807 | 0.502416354 | 0.584251594 | -6.96704689 | ns |
| FHIP2A | -0.00699005 | 0.014918149 | -0.66852025 | 0.503811827 | 0.585641136 | -6.96919062 | ns |
| NDRG1 | -0.01088228 | 0.134455926 | -0.6664593 | 0.505127777 | 0.58693717 | -6.97195025 | ns |
| LYVE1 | -0.00278875 | 0.000175936 | -0.66608384 | 0.505367429 | 0.586982057 | -6.9855422 | ns |
| IL12RB2 | 0.006148418 | 0.076340952 | 0.665423154 | 0.505790087 | 0.587239385 | -6.97055853 | ns |
| EDEM2 | -0.00533771 | 0.051127624 | -0.66421716 | 0.506561519 | 0.587800394 | -6.97204223 | ns |
| AHSA1 | -0.0097621 | 0.104091082 | -0.66403802 | 0.506675887 | 0.587800394 | -6.98582763 | ns |
| ANGPTL1 | 0.004454723 | 0.012677382 | 0.659634933 | 0.509498226 | 0.590839881 | -6.97444254 | ns |
| MAG | -0.00669023 | -0.02653284 | -0.65321089 | 0.513630268 | 0.59539515 | -6.98021175 | ns |
| JCHAIN | -0.00933375 | -0.03091229 | -0.64528223 | 0.518754105 | 0.601096027 | -6.98609324 | ns |
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| PDIA2 | -0.00575977 | 0.033149884 | -0.64289241 | 0.520303726 | 0.602174745 | -6.98413887 | ns |
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| DDX53 | -0.00505711 | 0.00335894 | -0.63685977 | 0.524225831 | 0.606233436 | -6.9907007 | ns |
| RNF31 | -0.00507563 | 0.023818947 | -0.63442057 | 0.525816043 | 0.607831689 | -6.99059642 | ns |
| FLT3LG | -0.00482215 | -0.01131521 | -0.62544182 | 0.531690313 | 0.614378993 | -7.01258432 | ns |
| MRPL52 | -0.00346978 | -0.00228687 | -0.62400796 | 0.532631858 | 0.615223506 | -6.99470296 | ns |
| CASP9 | -0.00836861 | 0.027052238 | -0.62334525 | 0.533067124 | 0.615482801 | -6.99752302 | ns |
| FGF3 | 0.004144525 | 0.022298657 | 0.617858093 | 0.536678244 | 0.619335367 | -7.00090954 | ns |
| TPMT | 0.01045333 | 0.073347866 | 0.617630903 | 0.536828019 | 0.619335367 | -7.0021824 | ns |
| SH3BGRL2 | -0.0083051 | 0.113726286 | -0.61548999 | 0.538240469 | 0.620719656 | -7.00450491 | ns |
| TSLP | -0.00889695 | 0.094718357 | -0.61138153 | 0.540956251 | 0.623605311 | -7.00678379 | ns |
| CEACAM1 | 0.002924791 | -0.00458456 | 0.609341211 | 0.542307265 | 0.624916027 | -7.01924489 | ns |
| LYAR | -0.00781304 | 0.053242901 | -0.60740569 | 0.543590882 | 0.626148077 | -7.00841101 | ns |
| CSH1 | 0.004114075 | -0.01500649 | 0.606196051 | 0.544393464 | 0.626825282 | -7.02222622 | ns |
| CLASP1 | -0.00989279 | 0.108088646 | -0.60451781 | 0.545508564 | 0.627750906 | -7.00794078 | ns |
| TNNI3 | 0.011764446 | -0.10155824 | 0.604339081 | 0.545627328 | 0.627750906 | -7.01104106 | ns |
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| CCL11 | -0.00541473 | -0.02863414 | -0.60182829 | 0.547297228 | 0.629176341 | -7.02699695 | ns |
| MYLPF | -0.0061905 | 0.075472313 | -0.5997051 | 0.548711776 | 0.630554264 | -7.01354629 | ns |
| KIRREL2 | 0.005529531 | 0.000188261 | 0.598845681 | 0.549284799 | 0.630964442 | -7.01449079 | ns |
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| APRT | -0.00666215 | -0.04580861 | -0.58832124 | 0.55632539 | 0.637797463 | -7.02658944 | ns |
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| NPPB | 0.016900541 | -0.10626043 | 0.574873494 | 0.565385441 | 0.646660983 | -7.02831858 | ns |
| THSD1 | 0.004230428 | 0.00957023 | 0.573673498 | 0.566197427 | 0.647336135 | -7.02309612 | ns |
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| ICAM5 | 0.006064491 | -0.04201857 | 0.566471098 | 0.57108188 | 0.651644818 | -7.04018996 | ns |
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| GSTM4 | 0.008837611 | 0.149705727 | 0.559615422 | 0.575750121 | 0.655946295 | -7.03569664 | ns |
| ENOPH1 | 0.006527535 | 0.092678459 | 0.556734324 | 0.577717026 | 0.657930466 | -7.05097279 | ns |
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| SIRT5 | 0.007164889 | 0.092522442 | 0.552196249 | 0.580822094 | 0.660951096 | -7.04119091 | ns |
| SCP2 | 0.010043782 | 0.213841977 | 0.551403775 | 0.581365104 | 0.661311298 | -7.04068004 | ns |
| TMPRSS11B | -0.00927191 | 0.181872052 | -0.54904903 | 0.582979932 | 0.662889954 | -7.04297876 | ns |
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| INSL3 | 0.008674065 | 0.640485637 | 0.539406435 | 0.58961419 | 0.668870798 | -7.0614029 | ns |
| MYO6 | -0.00431689 | 0.021837581 | -0.53616643 | 0.591851212 | 0.671147782 | -7.06409387 | ns |
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| PVALB | -0.01418682 | -0.19307949 | -0.52961596 | 0.596385835 | 0.674717798 | -7.06618145 | ns |
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| IL2 | 0.003824486 | -0.01581604 | 0.523544753 | 0.600602896 | 0.678962623 | -7.05684729 | ns |
| PLCB1 | -0.00519319 | 0.069120084 | -0.52268353 | 0.6012022 | 0.679377099 | -7.05488517 | ns |
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| GNPDA2 | 0.004110334 | 0.030758233 | 0.516405399 | 0.605578835 | 0.683001236 | -7.06065329 | ns |
| GFAP | -0.00516667 | 0.000249587 | -0.5129315 | 0.608006785 | 0.685474831 | -7.06034778 | ns |
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| CD164L2 | -0.00403316 | 0.023539022 | -0.50754505 | 0.611779838 | 0.688930632 | -7.0642877 | ns |
| MATN3 | 0.003725333 | 0.008724201 | 0.506949271 | 0.612197748 | 0.689135475 | -7.06997547 | ns |
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| PRKAG3 | -0.00355625 | 0.025996868 | -0.50004671 | 0.61704947 | 0.692863721 | -7.06804457 | ns |
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| ERBB3 | 0.002227732 | 0.004432797 | 0.496752239 | 0.619370931 | 0.694799507 | -7.07545688 | ns |
| MAP1LC3B2 | 0.006873826 | 0.15389875 | 0.496036234 | 0.619876099 | 0.695099159 | -7.06907047 | ns |
| PNMA2 | -0.00482989 | 0.013310812 | -0.4945312 | 0.620938283 | 0.695885001 | -7.07126935 | ns |
| CPLX2 | 0.003291426 | 0.002855245 | 0.494185463 | 0.621182431 | 0.695885001 | -7.06821677 | ns |
| GBP4 | -0.00560993 | 0.037923251 | -0.49403049 | 0.621291849 | 0.695885001 | -7.07145102 | ns |
| CRYBB2 | -0.00709556 | 0.138784028 | -0.49132327 | 0.623204778 | 0.697649021 | -7.08605071 | ns |
| FAM3B | -0.0040106 | -0.03352769 | -0.49112566 | 0.623344622 | 0.697649021 | -7.07950528 | ns |
| CCL24 | -0.00963245 | 0.04480936 | -0.48910349 | 0.624775405 | 0.698982445 | -7.08309351 | ns |
| TGFBR3 | 0.003562514 | -0.00747867 | 0.484599516 | 0.6279673 | 0.70228438 | -7.08971915 | ns |
| DDX39A | -0.00234368 | 0.007271949 | -0.48405084 | 0.628356836 | 0.70245098 | -7.07422434 | ns |
| APOH | 0.004072061 | 0.002796025 | 0.483179606 | 0.628975097 | 0.702873051 | -7.08627257 | ns |
| KRT17 | 0.004092176 | -0.00040967 | 0.482600253 | 0.629386627 | 0.703054991 | -7.07560874 | ns |
| SLC28A1 | -0.00635568 | 0.097488772 | -0.48227243 | 0.629619453 | 0.703054991 | -7.07400091 | ns |
| INPP5J | -0.00436512 | 0.024664776 | -0.47726505 | 0.633180111 | 0.706760674 | -7.09378078 | ns |
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| CCL25 | 0.005448549 | -0.04666595 | 0.472243382 | 0.636759712 | 0.710213277 | -7.09621703 | ns |
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| SCN3A | 0.003776377 | 0.037731567 | 0.467533632 | 0.640124876 | 0.713421618 | -7.08368762 | ns |
| NPHS2 | 0.010669066 | 0.279344091 | 0.467121632 | 0.640419627 | 0.713477799 | -7.08223124 | ns |
| CASP4 | -0.01719902 | 0.424528505 | -0.46349038 | 0.643019514 | 0.71610106 | -7.09115735 | ns |
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| SMPDL3B | -0.00767458 | 0.164424298 | -0.46125227 | 0.644624114 | 0.717340859 | -7.09931202 | ns |
| MN1 | 0.005869886 | 0.082549626 | 0.458478847 | 0.646615048 | 0.719118282 | -7.087857 | ns |
| UBAC1 | 0.003790253 | 0.007699667 | 0.458341105 | 0.646713907 | 0.719118282 | -7.09498486 | ns |
| PPIE | 0.006115281 | 0.125400629 | 0.457248177 | 0.64749918 | 0.719717398 | -7.09401546 | ns |
| RICTOR | 0.004807361 | 0.077930817 | 0.453356804 | 0.650298378 | 0.722553753 | -7.08853143 | ns |
| FGF12 | -0.00457793 | 0.065087724 | -0.45143736 | 0.651680875 | 0.723581052 | -7.08939499 | ns |
| RGL2 | 0.00625397 | 0.101106061 | 0.451384935 | 0.65171855 | 0.723581052 | -7.09666475 | ns |
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| HRAS | 0.00936753 | 0.270112446 | 0.445138842 | 0.656225743 | 0.727248176 | -7.09857904 | ns |
| PDE4D | -0.00589353 | 0.136357609 | -0.44496725 | 0.656349829 | 0.727248176 | -7.09296622 | ns |
| BATF | 0.0083318 | 0.214586247 | 0.444583907 | 0.656626845 | 0.727248176 | -7.09409653 | ns |
| SPINK8 | -0.00368545 | 0.036054929 | -0.44439299 | 0.656764877 | 0.727248176 | -7.09322017 | ns |
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| ACSL1 | 0.003553908 | 0.04898679 | 0.439003438 | 0.660665355 | 0.730182754 | -7.09558762 | ns |
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| AGER | 0.004152179 | 0.032440312 | 0.437046974 | 0.662083451 | 0.730910401 | -7.10386807 | ns |
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| IL13 | -0.00515508 | 0.067688192 | -0.43636897 | 0.662575285 | 0.730910401 | -7.09845829 | ns |
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| ANKRA2 | 0.005339106 | 0.03782801 | 0.430833074 | 0.66659593 | 0.73257814 | -7.09735594 | ns |
| CEACAM5 | -0.00636147 | -0.01066302 | -0.42875388 | 0.668108562 | 0.733964259 | -7.09405258 | ns |
| BHLHE40 | -0.00661201 | 0.084472553 | -0.42748794 | 0.669030074 | 0.734700194 | -7.10200727 | ns |
| COPE | 0.004585627 | 0.040668882 | 0.426766845 | 0.669555255 | 0.735000505 | -7.10224909 | ns |
| ADAMTSL5 | 0.003608825 | 0.005379238 | 0.426173029 | 0.669987691 | 0.735198819 | -7.11582637 | ns |
| RANBP2 | 0.003063653 | 0.007332881 | 0.423910188 | 0.671637361 | 0.736732191 | -7.10352196 | ns |
| ESR1 | -0.005432 | 0.099098763 | -0.42235782 | 0.672769898 | 0.737697372 | -7.10202975 | ns |
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| RUVBL1 | 0.010346007 | 0.285223451 | 0.419231661 | 0.675052822 | 0.739090454 | -7.10447255 | ns |
| CA7 | 0.003081416 | 0.021657627 | 0.417402868 | 0.676389627 | 0.740276503 | -7.11134617 | ns |
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| CNTF | -0.00304427 | -0.00629605 | -0.40824871 | 0.683096885 | 0.746777575 | -7.11000262 | ns |
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| NUDT2 | 0.005270307 | 0.044004771 | 0.402127433 | 0.687595862 | 0.751133527 | -7.11903892 | ns |
| LMOD2 | -0.00564307 | 0.087807676 | -0.40021155 | 0.689006378 | 0.752392903 | -7.11323366 | ns |
| IL17F | -0.00726167 | 0.155523911 | -0.39641066 | 0.691807703 | 0.75516953 | -7.11500528 | ns |
| ZNF75D | 0.005301181 | 0.052044865 | 0.392457782 | 0.694725478 | 0.758071149 | -7.12139233 | ns |
| SLC1A4 | 0.004510243 | 0.083987891 | 0.391954917 | 0.695097051 | 0.758193272 | -7.11598872 | ns |
| IGLON5 | 0.007789011 | 0.259901331 | 0.388873008 | 0.697375601 | 0.760394606 | -7.11445843 | ns |
| TMED4 | 0.004765349 | 0.08490461 | 0.387556651 | 0.698349641 | 0.761172434 | -7.11673256 | ns |
| GAS6 | 0.002249177 | -0.00389406 | 0.386897686 | 0.698837302 | 0.761419747 | -7.12813077 | ns |
| CA8 | -0.00216931 | 0.02581641 | -0.38511144 | 0.700160302 | 0.762576681 | -7.11698454 | ns |
| ANPEP | -0.00248611 | 0.002068346 | -0.38311234 | 0.701641788 | 0.763905303 | -7.12720255 | ns |
| GLI2 | 0.002793848 | 0.027447968 | 0.382638452 | 0.701993264 | 0.764003105 | -7.11792863 | ns |

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| TPT1 | -0.00584942 | 0.091322776 | -0.37858174 | 0.705003806 | 0.766430125 | -7.12187604 | ns |
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| MFAP3L | 0.005527592 | 0.15983596 | 0.377695978 | 0.70566176 | 0.766852377 | -7.12144579 | ns |
| GSTT2B | 0.019521354 | -0.51650693 | 0.374988348 | 0.707674263 | 0.768753291 | -7.13617252 | ns |
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| FAM171B | 0.002167549 | 0.026016658 | 0.372119461 | 0.709809011 | 0.770007726 | -7.13625354 | ns |
| CLPS | -0.0059164 | 0.003085875 | -0.37158922 | 0.710203854 | 0.770007726 | -7.13274028 | ns |
| GABRA4 | 0.005221831 | 0.120533067 | 0.371449546 | 0.710307948 | 0.770007726 | -7.12427005 | ns |
| AMPD3 | 0.005924202 | 0.047963447 | 0.371020726 | 0.710627165 | 0.770007726 | -7.13764456 | ns |
| TMRSS15 | -0.0079289 | -0.00061091 | -0.37095667 | 0.710674939 | 0.770007726 | -7.1310225 | ns |
| SPACA5_SPAC | -0.00228966 | 0.002076908 | -0.36305043 | 0.716572158 | 0.775908327 | -7.14151298 | ns |
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| H2AP | -0.00409526 | 0.062393304 | -0.3608032 | 0.718251642 | 0.777351666 | -7.12492198 | ns |
| UNC5D | -0.00209164 | 0.01333901 | -0.35991225 | 0.718917812 | 0.777784369 | -7.12631983 | ns |
| CCAR2 | -0.00425376 | 0.095377742 | -0.35650778 | 0.721465179 | 0.780110811 | -7.14289565 | ns |
| CLSTN1 | -0.00430686 | 0.03174935 | -0.35632457 | 0.7216025 | 0.780110811 | -7.12967914 | ns |
| NT5C3A | 0.00732293 | -0.05079403 | 0.355712907 | 0.722060468 | 0.780317012 | -7.13909034 | ns |
| PDE1C | 0.004213589 | 0.090444885 | 0.35300432 | 0.724090155 | 0.782220959 | -7.12769007 | ns |
| FKBP1B | -0.00906677 | 0.054004095 | -0.35154957 | 0.725180884 | 0.783109535 | -7.14293911 | ns |
| EGFLAM | 0.002306899 | 0.02256098 | 0.350248911 | 0.726156673 | 0.783873378 | -7.14403555 | ns |
| SMAD3 | 0.003939526 | 0.055930727 | 0.34907187 | 0.727040111 | 0.784260382 | -7.14451993 | ns |
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| PGM2 | 0.004583572 | 0.097148545 | 0.345635941 | 0.729621142 | 0.786450252 | -7.13297716 | ns |
| RLN1 | -0.00542267 | 0.178978 | -0.34502749 | 0.73007838 | 0.786461856 | -7.14785979 | ns |
| SPARCL1 | 0.002238426 | 0.006737745 | 0.344904941 | 0.73017058 | 0.786461856 | -7.13962786 | ns |
| IL18RAP | 0.014054522 | 0.437480727 | 0.344381929 | 0.730563848 | 0.786595293 | -7.13699513 | ns |
| SLC4A1 | 0.003673368 | 0.081927052 | 0.343964406 | 0.730877726 | 0.786643184 | -7.14686111 | ns |
| SEMA4C | -0.00218216 | 0.004560033 | -0.34344759 | 0.731266479 | 0.786771598 | -7.14079562 | ns |
| PMCH | 0.006122503 | 0.231961657 | 0.342450528 | 0.732016657 | 0.787288633 | -7.1331059 | ns |
| ACE | 0.001934703 | -0.01228102 | 0.341335514 | 0.732855648 | 0.787900771 | -7.14703547 | ns |
| ABO | 0.010678883 | -0.17263805 | 0.340247158 | 0.733675024 | 0.788295258 | -7.14740438 | ns |
| PRSS53 | 0.002774075 | 0.003924755 | 0.340130977 | 0.733762504 | 0.788295258 | -7.14856955 | ns |
| RGMA | 0.002411142 | 0.024678316 | 0.335567641 | 0.737201469 | 0.791698525 | -7.15109186 | ns |
| CCND2 | -0.00268832 | -0.02658451 | -0.32949566 | 0.741785591 | 0.796069376 | -7.14399681 | ns |
| GUK1 | 0.003058066 | 0.021779593 | 0.329454589 | 0.741816703 | 0.796069376 | -7.13744791 | ns |
| ZPR1 | 0.006876203 | 0.223972318 | 0.329091898 | 0.742090798 | 0.796070952 | -7.13902533 | ns |
| NEO1 | -0.0015801 | 0.00300611 | -0.32593124 | 0.744480772 | 0.797919551 | -7.15423204 | ns |
| TET2 | -0.00718807 | 0.202701237 | -0.32573518 | 0.7446292 | 0.797919551 | -7.1443513 | ns |
| TST | -0.00572523 | 0.043955913 | -0.32572914 | 0.744633828 | 0.797919551 | -7.13892024 | ns |
| RRP15 | 0.006471987 | 0.006131283 | 0.322284816 | 0.747241403 | 0.800419992 | -7.14123017 | ns |
| IL22RA1 | 0.003238935 | 0.035876052 | 0.319600835 | 0.749275361 | 0.802304384 | -7.14235291 | ns |
| LYSMD3 | -0.00704952 | 0.162853046 | -0.31489943 | 0.752842365 | 0.805828337 | -7.14307272 | ns |
| HMMR | -0.00327967 | 0.057454686 | -0.31022282 | 0.756395828 | 0.809198389 | -7.14046452 | ns |
| WIF1 | 0.002484874 | 0.005403827 | 0.309889436 | 0.756649197 | 0.809198389 | -7.1600693 | ns |
| NLGN1 | 0.004570697 | 0.147300529 | 0.309662104 | 0.756822192 | 0.809198389 | -7.14469926 | ns |
| CBX2 | -0.00266608 | 0.065873713 | -0.30797744 | 0.758103766 | 0.810271961 | -7.14425538 | ns |
| MNAT1 | 0.002975091 | 0.041180447 | 0.307133344 | 0.758746067 | 0.810661733 | -7.15107644 | ns |
| DHRS4L2 | -0.00319252 | 0.068242472 | -0.30628262 | 0.759393584 | 0.81105679 | -7.15945116 | ns |
| TPSG1 | 0.001715574 | 0.01295535 | 0.305272369 | 0.760162944 | 0.811581645 | -7.14439257 | ns |
| TSHB | 0.005517031 | 0.028700225 | 0.304484449 | 0.760762977 | 0.8119254 | -7.15366164 | ns |
| MTPN | 0.0023391 | 0.025931889 | 0.302025819 | 0.762636549 | 0.813627594 | -7.14729156 | ns |
| CGA | -0.00584687 | 0.196103708 | -0.29988974 | 0.764265317 | 0.815067467 | -7.15765061 | ns |
| ATF4 | 0.002265985 | 0.019725045 | 0.299500656 | 0.764562215 | 0.815086406 | -7.14504945 | ns |
| ID4 | 0.002909952 | 0.076025211 | 0.298986627 | 0.764954319 | 0.815206792 | -7.15353198 | ns |
| LILRA4 | -0.00332128 | 0.083317148 | -0.29807271 | 0.765651786 | 0.815652395 | -7.14724026 | ns |
| DDA1 | 0.002610209 | 0.034767663 | 0.294423132 | 0.768438659 | 0.818322715 | -7.1483155 | ns |
| DARS1 | -0.00504512 | -0.04285026 | -0.29208412 | 0.770226285 | 0.819927361 | -7.15510706 | ns |
| GSN | 0.001144245 | 0.004596979 | 0.287471312 | 0.773755328 | 0.823383949 | -7.16220251 | ns |
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| NEK7 | -0.00464 | 0.112703258 | -0.28463022 | 0.775931316 | 0.825098121 | -7.15769858 | ns |
| CCL2 | 0.003550992 | 0.028783068 | 0.283552419 | 0.776757257 | 0.825675715 | -7.15779352 | ns |
| RGS8 | -0.00436487 | 0.149895962 | -0.28254934 | 0.777526193 | 0.826192316 | -7.15344708 | ns |
| GGA1 | -0.00458293 | 0.162136785 | -0.28186844 | 0.778048263 | 0.826446318 | -7.15330757 | ns |

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| CDH4 | 0.002894945 | 0.042352424 | 0.28139349 | 0.778412472 | 0.826532516 | -7.15350511 | ns |
| BRD1 | 0.001884705 | 0.026491922 | 0.278332729 | 0.780760723 | 0.828724577 | -7.15946159 | ns |
| HLA-DRA | -0.00224399 | -0.00638852 | -0.27687683 | 0.781878412 | 0.829248856 | -7.16389156 | ns |
| REG1A | 0.003049363 | 0.030304079 | 0.27673084 | 0.781990559 | 0.829248856 | -7.15728168 | ns |
| CCDC28A | -0.00176776 | -0.00903071 | -0.27643905 | 0.782214647 | 0.829248856 | -7.15438188 | ns |
| TAGLN3 | -0.0036668 | -0.00809489 | -0.27620995 | 0.782390616 | 0.829248856 | -7.15171682 | ns |
| RAB6B | 0.002991718 | 0.037101954 | 0.275232516 | 0.783141381 | 0.829610544 | -7.15514587 | ns |
| GNGT1 | 0.003193017 | 0.068466667 | 0.275025909 | 0.783300092 | 0.829610544 | -7.15476939 | ns |
| PRKD2 | -0.00283427 | 0.08054571 | -0.27329287 | 0.784631849 | 0.830719724 | -7.15428052 | ns |
| ENOX2 | 0.001645438 | 0.017814115 | 0.272235484 | 0.785444698 | 0.831262922 | -7.15456736 | ns |
| TCL1B | -0.00501619 | 0.143829201 | -0.27188487 | 0.785714269 | 0.831262922 | -7.15589324 | ns |
| PPM1A | 0.001953607 | 0.023008063 | 0.264891232 | 0.791096883 | 0.836439454 | -7.15697638 | ns |
| UBQLN3 | 0.002755649 | 0.065592933 | 0.264783267 | 0.791180059 | 0.836439454 | -7.15655735 | ns |
| EVPL | 0.001873472 | 0.029015047 | 0.259122517 | 0.795544206 | 0.840748853 | -7.1645959 | ns |
| REPS1 | 0.002203669 | 0.031770094 | 0.257693661 | 0.796646865 | 0.841609568 | -7.15771145 | ns |
| MYL3 | 0.003979209 | 0.031650908 | 0.254091373 | 0.799428433 | 0.844242685 | -7.16026926 | ns |
| PCNA | -0.00362914 | 0.143699095 | -0.2525899 | 0.80058859 | 0.845162214 | -7.15792751 | ns |
| DEFB118 | -0.00317578 | 0.098682971 | -0.24855845 | 0.803705738 | 0.84814628 | -7.16215793 | ns |
| CEP152 | -0.00223885 | 0.020859488 | -0.24561013 | 0.805987404 | 0.850246828 | -7.15965658 | ns |
| TSPAN15 | 0.002666598 | 0.077819981 | 0.244827389 | 0.806593427 | 0.85057884 | -7.16161427 | ns |
| DOCK9 | 0.006159201 | 0.374213515 | 0.241821833 | 0.808921509 | 0.852725923 | -7.16380063 | ns |
| SHC1 | -0.00600584 | 0.233263641 | -0.24006694 | 0.810281641 | 0.853851459 | -7.16099526 | ns |
| SEZ6L | 0.001533935 | 0.011829324 | 0.239571039 | 0.810666 | 0.853948311 | -7.17535327 | ns |
| GPR158 | -0.00181227 | 0.046783736 | -0.23826683 | 0.811677289 | 0.854705259 | -7.17883034 | ns |
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| CEACAM18 | -0.00343277 | 0.137896503 | -0.23507576 | 0.814153084 | 0.856694416 | -7.1705056 | ns |
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| DLL4 | 0.004421479 | 0.096239804 | 0.233059728 | 0.81571819 | 0.857723124 | -7.16536396 | ns |
| BRME1 | -0.00206583 | 0.022215792 | -0.22883087 | 0.819003477 | 0.860867586 | -7.166841 | ns |
| CTNNA1 | 0.001765798 | 0.053493578 | 0.228439501 | 0.819307681 | 0.860877448 | -7.16692999 | ns |
| SUMF1 | 0.003310284 | 0.130165319 | 0.225929457 | 0.821259358 | 0.862617743 | -7.16535013 | ns |
| ICAM2 | 0.001655375 | -0.03876842 | 0.223052349 | 0.823497701 | 0.864657781 | -7.18176739 | ns |
| NECTIN1 | -0.00156811 | 0.008548204 | -0.22008082 | 0.825811204 | 0.866651827 | -7.16664724 | ns |
| BSND | 0.001666221 | 0.025292972 | 0.219850696 | 0.825990423 | 0.866651827 | -7.16561853 | ns |
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| PM20D1 | -0.00962691 | -0.5239588 | -0.21750275 | 0.827819482 | 0.867635638 | -7.17389146 | ns |
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| CAMLG | -0.00255649 | 0.086588549 | -0.21458512 | 0.830093694 | 0.869134012 | -7.16948447 | ns |
| IL20RB | 0.0019879 | 0.00850253 | 0.21452313 | 0.830142041 | 0.869134012 | -7.16784829 | ns |
| MICB_MICA | 0.007592594 | -0.52832135 | 0.213461197 | 0.830970088 | 0.869689124 | -7.17935546 | ns |
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| TXK | -0.00348377 | 0.224679134 | -0.20925749 | 0.834250025 | 0.872496444 | -7.17621045 | ns |
| COL2A1 | -0.00365235 | 0.076571737 | -0.20847976 | 0.834857199 | 0.87281884 | -7.17076071 | ns |
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| S100A14 | 0.002292881 | 0.084926831 | 0.201596752 | 0.840234626 | 0.877265739 | -7.18685231 | ns |
| ATP6V1D | -0.00128378 | 0.006619696 | -0.2014973 | 0.840312422 | 0.877265739 | -7.17926396 | ns |
| ANK2 | 0.003134882 | 0.170783597 | 0.200475533 | 0.841111404 | 0.877786025 | -7.17143501 | ns |
| IL1RL1 | 0.002185996 | -0.03532132 | 0.199909128 | 0.841554283 | 0.877934443 | -7.18441098 | ns |
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| PALLD | -0.00173755 | 0.043042615 | -0.19748782 | 0.843448485 | 0.87904541 | -7.17133835 | ns |
| IGFL4 | 0.003228212 | 0.178911512 | 0.197393425 | 0.843522343 | 0.87904541 | -7.17135688 | ns |
| SAP18 | 0.003125138 | 0.092825761 | 0.195879285 | 0.844707258 | 0.879966177 | -7.17890576 | ns |
| RIPK4 | -0.00287723 | 0.172018718 | -0.1949187 | 0.845459232 | 0.880435434 | -7.17252755 | ns |
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| CRYGD | 0.003986726 | -4.33E-05 | 0.189577685 | 0.849642557 | 0.883622899 | -7.18823141 | ns |
| HTR1A | 0.003079433 | 0.193318319 | 0.189465536 | 0.849730514 | 0.883622899 | -7.17502908 | ns |
| DUSP13 | 0.00168621 | 0.043209695 | 0.186486993 | 0.852065326 | 0.885735405 | -7.18782398 | ns |
| SHPK | 0.001698919 | 0.068751513 | 0.185407138 | 0.852912173 | 0.886300194 | -7.18089138 | ns |
| SERPINA12 | 0.004758678 | 0.197030936 | 0.184511537 | 0.853614692 | 0.886505456 | -7.16946555 | ns |
| RAC3 | 0.002738345 | 0.160196769 | 0.184381191 | 0.853716898 | 0.886505456 | -7.17547661 | ns |
| TFF2 | -0.00234597 | -0.01632929 | -0.18256287 | 0.855143423 | 0.887592353 | -7.18548569 | ns |
| HCCG22 | -0.00212917 | 0.06826037 | -0.18227225 | 0.855371534 | 0.887592353 | -7.17489951 | ns |
| PNLIPRP2 | -0.01237308 | -0.91199875 | -0.17608619 | 0.860228557 | 0.892315235 | -7.18427666 | ns |

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| SMC3 | -0.00209063 | 0.048593028 | -0.17450986 | 0.861467132 | 0.89328268 | -7.17450955 | ns |
| CLINT1 | 0.001843837 | 0.025287201 | 0.17202517 | 0.863420059 | 0.894989908 | -7.17493769 | ns |
| SHH | 0.001628272 | 0.006178161 | 0.171605038 | 0.863750356 | 0.895014564 | -7.17608864 | ns |
| LPO | -0.00240373 | -0.00400836 | -0.17079537 | 0.864386994 | 0.895286207 | -7.17081057 | ns |
| UPK3BL1 | 0.002009639 | 0.070514426 | 0.170491706 | 0.864625721 | 0.895286207 | -7.18220786 | ns |
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| GNPMB | 0.001086053 | -0.01349286 | 0.165825053 | 0.868296884 | 0.898450354 | -7.17267845 | ns |
| LRTM1 | -0.00147081 | 0.042338354 | -0.16144641 | 0.871743972 | 0.901697626 | -7.1794206 | ns |
| NEFL | 0.001544315 | -0.03065688 | 0.160704404 | 0.872328382 | 0.901982605 | -7.17829305 | ns |
| PHLDB2 | -0.0031935 | 0.156974196 | -0.15735556 | 0.874966751 | 0.904390411 | -7.17734032 | ns |
| HEBP1 | -0.0018922 | 0.021654101 | -0.1540432 | 0.877577733 | 0.906768217 | -7.18085173 | ns |
| SCGB1A1 | 0.001917052 | -0.03176435 | 0.152126497 | 0.879089166 | 0.908008618 | -7.18973608 | ns |
| GIPR | 0.001455775 | 0.022491418 | 0.149443498 | 0.881205695 | 0.909872924 | -7.17962654 | ns |
| KCNIP4 | -0.0017578 | 0.049283922 | -0.14770143 | 0.882580383 | 0.910970208 | -7.18196672 | ns |
| ROBO4 | 0.000565289 | -0.00486291 | 0.146991862 | 0.883140409 | 0.911226147 | -7.18162939 | ns |
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| NPTX2 | -0.00102591 | -0.01579928 | -0.14378358 | 0.885673241 | 0.913194161 | -7.19541926 | ns |
| ITIH1 | -0.00058085 | -0.0184061 | -0.14326874 | 0.886079804 | 0.913290868 | -7.19598191 | ns |
| CALY | 0.001147524 | 0.022474385 | 0.141772971 | 0.887261234 | 0.914138221 | -7.18142526 | ns |
| IZUMO1 | 0.001471311 | 0.059786932 | 0.141435214 | 0.887528034 | 0.914138221 | -7.17970563 | ns |
| BST1 | -0.00155478 | -0.13496272 | -0.13903713 | 0.889422617 | 0.915766587 | -7.19748062 | ns |
| DUSP3 | -0.00279099 | 0.133040328 | -0.13843025 | 0.889902238 | 0.915908608 | -7.18328584 | ns |
| UXS1 | 0.001652221 | 0.002101821 | 0.138068807 | 0.890187886 | 0.915908608 | -7.1823883 | ns |
| ENTPD5 | -0.00067797 | -0.01061553 | -0.13758661 | 0.890568974 | 0.915977951 | -7.18323819 | ns |
| TMED10 | -0.00150741 | 0.0723704 | -0.13616177 | 0.891695222 | 0.916809605 | -7.18220075 | ns |
| OTOA | 0.0015672 | 0.09108119 | 0.135769255 | 0.892005509 | 0.916809605 | -7.18371321 | ns |
| THAP12 | 0.002686299 | 0.18956309 | 0.133173574 | 0.894057897 | 0.918595728 | -7.17940921 | ns |
| LMOD1 | 0.00097129 | 0.004095823 | 0.13217924 | 0.894844234 | 0.919080254 | -7.19837558 | ns |
| MTR | 0.001850722 | 0.098553785 | 0.131097885 | 0.895699629 | 0.919635343 | -7.18287372 | ns |
| YY1 | -0.00077542 | 0.011204456 | -0.12906536 | 0.897307654 | 0.920962513 | -7.18244868 | ns |
| CTLA4 | -0.00081282 | -0.0199997 | -0.1261038 | 0.899651393 | 0.923043594 | -7.19779229 | ns |
| PRR5 | -0.00129198 | 0.03743917 | -0.12564212 | 0.900016897 | 0.923094253 | -7.18288224 | ns |
| CDAN1 | 0.000613418 | 0.008007341 | 0.122985068 | 0.902120517 | 0.924926934 | -7.19858309 | ns |
| IL1R2 | -0.00055416 | -0.01122243 | -0.12197582 | 0.902919775 | 0.925421461 | -7.19100341 | ns |
| CSPG5 | -0.00128447 | 0.057561548 | -0.11987689 | 0.904582265 | 0.926800075 | -7.18573349 | ns |
| GPHA2 | 0.001183227 | 0.102839806 | 0.11665064 | 0.907138422 | 0.929093017 | -7.19827735 | ns |
| KEL | -0.00091304 | -0.00622713 | -0.10797695 | 0.914015413 | 0.935808207 | -7.18701725 | ns |
| SAG | 0.001234415 | 0.010505829 | 0.106896613 | 0.914872422 | 0.936259709 | -7.18719722 | ns |
| C1QL2 | -0.00097648 | 0.037425956 | -0.10661269 | 0.915097674 | 0.936259709 | -7.18507993 | ns |
| GALNT10 | 0.000678125 | -0.01727252 | 0.105636605 | 0.915872066 | 0.936723794 | -7.19390541 | ns |
| ATP5F1D | 0.001185895 | 0.04692515 | 0.100118723 | 0.920251407 | 0.940873287 | -7.1864355 | ns |
| FGF19 | -0.0017851 | 0.02515215 | -0.09780696 | 0.922086849 | 0.94241988 | -7.19843888 | ns |
| SEMA6C | 0.000568071 | 0.031047802 | 0.09719545 | 0.922572477 | 0.942586296 | -7.1860343 | ns |
| PGLYRP4 | -0.00130005 | 0.107113057 | -0.09569538 | 0.923763787 | 0.943473333 | -7.1868662 | ns |
| SNX18 | 0.000885412 | 0.09396236 | 0.091329618 | 0.927231867 | 0.946684284 | -7.20089642 | ns |
| CRISP3 | -0.00046973 | 0.008000267 | -0.07978023 | 0.936413091 | 0.955723952 | -7.19724992 | ns |
| ACY3 | -0.00093091 | 0.017321984 | -0.07786489 | 0.937936566 | 0.956825014 | -7.18840503 | ns |
| NRN1 | -0.00060345 | 0.02868848 | -0.07759997 | 0.938147265 | 0.956825014 | -7.2040699 | ns |
| RPGR | -0.00070898 | 0.026118205 | -0.07700496 | 0.938620617 | 0.956973534 | -7.189433 | ns |
| LRP2 | 0.000591755 | 0.008463945 | 0.075324441 | 0.939957573 | 0.958002134 | -7.18956029 | ns |
| APOA4 | 0.000558323 | 0.017433054 | 0.073752312 | 0.941208425 | 0.958942289 | -7.20348495 | ns |
| SMPDL3A | 0.001111766 | -0.0438468 | 0.072970355 | 0.941830656 | 0.959241547 | -7.1999091 | ns |
| SERPINB5 | -0.00080494 | -0.03698574 | -0.07244638 | 0.942247635 | 0.959331622 | -7.19004152 | ns |
| SERPINI1 | 0.000447782 | 0.028351068 | 0.068557759 | 0.94534255 | 0.962147175 | -7.18983394 | ns |
| ST8SIA1 | -0.00072901 | 0.0905163 | -0.06692943 | 0.946638775 | 0.96313074 | -7.18850435 | ns |
| LAG3 | -0.00061029 | 0.011541399 | -0.06540957 | 0.947848757 | 0.964025904 | -7.19732716 | ns |
| SOD3 | 0.000850667 | 0.093856886 | 0.064555831 | 0.948528487 | 0.964381331 | -7.20290627 | ns |
| APOBR | -0.00055549 | -0.06262169 | -0.05978691 | 0.952326141 | 0.967905441 | -7.19059603 | ns |
| CHAD | -0.00064929 | 0.005613369 | -0.05918568 | 0.952804994 | 0.968055178 | -7.19151795 | ns |
| BCL7A | 0.000769895 | 0.052545431 | 0.055893236 | 0.955427603 | 0.970142026 | -7.18809905 | ns |
| ATP1B3 | 0.000483758 | 0.053492184 | 0.05546002 | 0.955772718 | 0.970142026 | -7.18989039 | ns |
| CRHR1 | -0.0007902 | 0.068512175 | -0.05474342 | 0.956343601 | 0.970142026 | -7.19116117 | ns |
| FUT1 | -0.00075895 | 0.076210297 | -0.05460958 | 0.956450225 | 0.970142026 | -7.1959016 | ns |
| AFAP1 | 0.001008881 | 0.1946143 | 0.054521788 | 0.956520169 | 0.970142026 | -7.19178166 | ns |
| FOS | 0.000416007 | -0.02025912 | 0.053116535 | 0.957639765 | 0.970732296 | -7.18682491 | ns |
| VSIG10L | -0.00037496 | 0.011452428 | -0.05285908 | 0.957844888 | 0.970732296 | -7.19003049 | ns |

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|-----------|--------------|-------------|-------------|-------------|-------------|-------------|----|
| KLHL41 | 0.000568722 | 0.073846963 | 0.0521012 | 0.958448727 | 0.970732296 | -7.20571471 | ns |
| ITPR1P | -0.00052636 | 0.085454469 | -0.05202791 | 0.958507147 | 0.970732296 | -7.19153334 | ns |
| EVI2B | 0.000463168 | 0.035949431 | 0.051705096 | 0.958764364 | 0.970732296 | -7.18832312 | ns |
| GH2 | 0.001837031 | 0.507137291 | 0.047572566 | 0.962057528 | 0.973728936 | -7.19074213 | ns |
| CLEC10A | 0.000387782 | -0.01148855 | 0.046538836 | 0.96288139 | 0.974188175 | -7.19763475 | ns |
| GPR101 | 0.000613503 | 0.112691005 | 0.046166048 | 0.963178514 | 0.974188175 | -7.19181957 | ns |
| RYR1 | -0.00032288 | 0.028298676 | -0.04236823 | 0.96620572 | 0.976911601 | -7.19052725 | ns |
| FGF6 | -0.0003516 | 0.044644467 | -0.04049949 | 0.967695448 | 0.978079165 | -7.18991621 | ns |
| SCN2B | 0.000252681 | 0.011103532 | 0.040076182 | 0.96803292 | 0.978081705 | -7.19158298 | ns |
| KIAA1549L | 0.000242936 | 0.009595429 | 0.039469341 | 0.968516713 | 0.978232031 | -7.19721141 | ns |
| PSMC3 | 0.000252058 | 0.012868642 | 0.037450211 | 0.970126536 | 0.979351085 | -7.18895507 | ns |
| SELPLG | -0.00023278 | -0.01906227 | -0.03723835 | 0.970295442 | 0.979351085 | -7.20132616 | ns |
| L1CAM | 0.000242744 | -0.02232053 | 0.0364914 | 0.970891008 | 0.979613595 | -7.2032344 | ns |
| ACTN2 | 0.000445782 | 0.079728462 | 0.034484637 | 0.972491151 | 0.980889175 | -7.19082853 | ns |
| RELB | -0.00034713 | 0.077298736 | -0.03245644 | 0.974108483 | 0.982181205 | -7.19020799 | ns |
| AMIGO1 | 0.000342623 | 0.071392548 | 0.030503127 | 0.975666202 | 0.983412258 | -7.19191896 | ns |
| CYP24A1 | 0.000551402 | 0.218778828 | 0.029634618 | 0.97635885 | 0.983770821 | -7.19098316 | ns |
| IL11 | 0.000412206 | 0.099355037 | 0.027469926 | 0.978085289 | 0.985170419 | -7.19277036 | ns |
| AXL | -0.00016842 | 0.001915937 | -0.0268784 | 0.978557068 | 0.985305737 | -7.20072222 | ns |
| BCAT2 | 0.00031478 | 0.087976137 | 0.026044885 | 0.979221882 | 0.985635262 | -7.19254207 | ns |
| IL24 | -0.00026496 | 0.030004918 | -0.02344483 | 0.981295757 | 0.987050867 | -7.19287227 | ns |
| TLR4 | 0.000145472 | 0.003920223 | 0.023434072 | 0.981304338 | 0.987050867 | -7.19045874 | ns |
| OSTN | -0.00020861 | 0.042508414 | -0.02246209 | 0.98207965 | 0.987490557 | -7.19213074 | ns |
| MOG | 0.000160085 | 0.006724024 | 0.021050209 | 0.983205874 | 0.988282668 | -7.20760935 | ns |
| FH | -0.00037259 | 0.175841777 | -0.02010873 | 0.983956903 | 0.988697232 | -7.19267831 | ns |
| ERC2 | -0.00029269 | 0.145471502 | -0.01819013 | 0.985487415 | 0.98989448 | -7.1922171 | ns |
| PRDX1 | -0.00033739 | 0.10592598 | -0.01686053 | 0.986548104 | 0.990619142 | -7.18909153 | ns |
| IL2RG | 0.000127303 | 0.025331718 | 0.016416501 | 0.986902327 | 0.990634169 | -7.20498572 | ns |
| RNF4 | -0.00021646 | 0.127070525 | -0.01488275 | 0.988125914 | 0.991521536 | -7.19787596 | ns |
| TP73 | -0.00010175 | -0.00385965 | -0.0136214 | 0.989132214 | 0.992190335 | -7.19228937 | ns |
| TGM2 | -0.0002364 | 0.029870414 | -0.01307211 | 0.989570431 | 0.992289031 | -7.19855651 | ns |
| LPA | 0.000445255 | -0.13674861 | 0.011361007 | 0.990935573 | 0.993316812 | -7.19216549 | ns |
| AGBL2 | -0.00019122 | -0.08226005 | -0.00951092 | 0.992411626 | 0.994455027 | -7.1928344 | ns |
| PDCL2 | -8.79E-05 | 0.067610293 | -0.00756878 | 0.993961148 | 0.995666056 | -7.18962398 | ns |
| EDDM3B | -5.65E-05 | 0.185020185 | -0.00505447 | 0.995967202 | 0.997333412 | -7.20510705 | ns |
| NAAA | -6.35E-05 | 0.052243935 | -0.00455466 | 0.996365978 | 0.99737861 | -7.19626549 | ns |
| TRIM26 | -5.04E-05 | 0.028640413 | -0.00414169 | 0.996695474 | 0.99737861 | -7.18964394 | ns |
| SERPINC1 | -6.12E-06 | 0.002459017 | -0.00191139 | 0.998474957 | 0.998817018 | -7.2044765 | ns |
| EPB41L5 | 3.5881592904 | 0.057211143 | 0.00025718 | 0.999794803 | 0.999794803 | -7.1923816 | ns |

Omnivore vs Sweet-tooth

| | logFC | AveExpr | t | P.Value | adj.P.Val | B | protein_type |
|----------|-------------|-------------|-------------|--------------|--------------|-------------|--------------|
| APOF | 0.038478123 | -0.01808688 | 7.475284087 | 8.1157117185 | 2.3697878218 | 20.64685201 | ns |
| CNDP1 | 0.069723936 | -0.0301518 | 6.995107291 | 2.7600664001 | 3.2631280145 | 17.21288595 | ns |
| HAVCR2 | -0.05161377 | -0.03890064 | -6.96769976 | 3.3525287820 | 3.2631280145 | 17.02289036 | ns |
| EPHA1 | -0.05123683 | -0.0608638 | -6.92577448 | 4.5076595132 | 3.2905914447 | 16.73473914 | ns |
| TNFRSF19 | -0.04242113 | -0.0182122 | -6.85289054 | 7.5096691830 | 4.3856468028 | 16.23496899 | ns |
| DLL1 | -0.04032231 | -0.01921755 | -6.66535556 | 2.7297315966 | 1.1462214944 | 14.98314436 | ns |
| NECTIN2 | -0.0396202 | -0.01902468 | -6.6432084 | 3.1729596731 | 1.1462214944 | 14.84010647 | ns |
| TNFRSF1B | -0.04960829 | -0.01985275 | -6.6250988 | 3.5854724387 | 1.1462214944 | 14.71922415 | ns |
| DSC2 | -0.04653203 | -0.01553323 | -6.59991746 | 4.2502086814 | 1.1462214944 | 14.55847713 | ns |
| TAF5 | -0.04840147 | -0.0233528 | -6.59457387 | 4.4045858706 | 1.1462214944 | 14.52152332 | ns |
| RELT | -0.03773343 | -0.03067685 | -6.58626698 | 4.6566382401 | 1.1462214944 | 14.46540117 | ns |
| GGH | -0.05204962 | -0.04112374 | -6.58466196 | 4.7104992921 | 1.1462214944 | 14.46138825 | ns |
| TNFRSF1A | -0.03926787 | -0.02483846 | -6.54666256 | 6.0701896621 | 1.3634579856 | 14.20805632 | ns |
| BTN2A1 | -0.03373757 | -0.01175012 | -6.37439166 | 1.8891260411 | 3.9401771715 | 13.10613831 | ns |
| NPC2 | -0.03935316 | -0.03478036 | -6.3630962 | 2.0338385463 | 3.9592057034 | 13.03883907 | ns |
| INHBB | -0.06499336 | -0.02699148 | -6.32117024 | 2.6685747271 | 4.8701488770 | 12.77828088 | ns |
| CTSO | -0.04195035 | -0.0237383 | -6.2614499 | 3.9143999250 | 6.7235575183 | 12.39736422 | ns |
| PTGDS | -0.03780882 | -0.01244456 | -6.24131621 | 4.4545931102 | 7.2263399344 | 12.2806996 | ns |
| EPHA2 | -0.03815081 | -0.02213227 | -6.19178638 | 6.1045587740 | 9.3817429580 | 11.98180107 | ns |
| FGFR2 | -0.02783331 | -0.02253775 | -6.16722931 | 7.1228331662 | 1.0399336422 | 11.81990752 | ns |
| TNFRSF4 | -0.04767074 | -0.01322573 | -6.14243961 | 8.3246846670 | 1.1563719121 | 11.66711926 | ns |
| CKAP4 | -0.03350685 | -0.00595406 | -6.13520541 | 8.7123911190 | 1.1563719121 | 11.62456768 | ns |
| FAM3C | -0.03730862 | -0.02927723 | -6.07715003 | 1.2524215602 | 1.5900308504 | 11.27710858 | ns |
| SERPINA7 | -0.02300735 | -0.01020756 | -6.04179002 | 1.5590208196 | 1.8968086639 | 11.06044798 | ns |

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| EFNA4 | -0.03610642 | -0.02651292 | -6.02004126 | 1.7837320173 | 2.0833989963 | 10.9359934 | ns |
| GFRA1 | -0.03462859 | -0.0221911 | -5.95059096 | 2.7293371936 | 3.0652556175 | 10.51820473 | ns |
| CSF1 | -0.03379919 | -0.0134698 | -5.93592899 | 2.9845640057 | 3.1606808949 | 10.43455921 | ns |
| COL6A3 | -0.04247882 | -0.03672984 | -5.93073479 | 3.0799124841 | 3.1606808949 | 10.40168039 | ns |
| WFDC2 | -0.04471095 | -0.01115656 | -5.92778601 | 3.1390323957 | 3.1606808949 | 10.40259286 | ns |
| TNFRSF14 | -0.036769 | -0.0197507 | -5.8617027 | 4.6753805620 | 4.5507037470 | 10.00255476 | ns |
| CST3 | -0.03443216 | -0.04064463 | -5.82461642 | 5.8391328790 | 5.5000864538 | 9.78875194 | ns |
| COLEC12 | -0.03221571 | -0.03369293 | -5.78980365 | 7.1848115785 | 6.5561405653 | 9.588824745 | ns |
| RNAS22 | -0.0318881 | -0.01705792 | -5.71768513 | 1.0998219623 | 9.7317579701 | 9.175055945 | ns |
| CD83 | -0.04038972 | -0.0265991 | -5.64713358 | 1.6603711066 | 1.4259657739 | 8.779227238 | ns |
| EGFR | 0.019556498 | 0.012870119 | 5.606859735 | 2.0954334509 | 1.7255265061 | 8.551481286 | ns |
| TGFBR2 | -0.03630374 | -0.01406392 | -5.60424968 | 2.1273614459 | 1.7255265061 | 8.539060606 | ns |
| PI3 | -0.06505047 | -0.03348576 | -5.5913886 | 2.2916464614 | 1.8085426128 | 8.476126523 | ns |
| SHISA5 | -0.02662199 | -0.02141815 | -5.56047232 | 2.7349418615 | 2.1015869041 | 8.295713652 | ns |
| PSAP | -0.03113623 | -0.01470993 | -5.53529472 | 3.1580499569 | 2.3644886857 | 8.160791706 | ns |
| LTBR | -0.03167205 | -0.00391684 | -5.52500899 | 3.3486829386 | 2.4445385452 | 8.107474025 | ns |
| CD27 | -0.04593542 | -0.03557877 | -5.51994743 | 3.4456677087 | 2.4539877340 | 8.074676797 | ns |
| HLA-E | -0.033098 | -0.00444427 | -5.51334501 | 3.5775953115 | 2.4872805499 | 8.039880494 | ns |
| CTS2 | -0.0380229 | -0.02756025 | -5.4910825 | 4.0584493485 | 2.7346901340 | 7.920485808 | ns |
| KRT18 | -0.09810502 | -0.00335384 | -5.48838489 | 4.1207659554 | 2.7346901340 | 7.905971578 | ns |
| IGFBP4 | -0.04629484 | -0.04467782 | -5.44218233 | 5.3446091238 | 3.4680574759 | 7.657687841 | ns |
| LAIR1 | -0.04337119 | -0.03529584 | -5.42453516 | 5.8986893793 | 3.7443854321 | 7.560648437 | ns |
| AGRN | -0.03802839 | -0.02782697 | -5.35289788 | 8.7795853652 | 5.4545509077 | 7.175620079 | ns |
| TNFRSF8 | -0.05155627 | 0.016251564 | -5.33712778 | 9.5758932449 | 5.8253350573 | 7.089170087 | ns |
| OCLN | -0.0458463 | -0.03554469 | -5.32635303 | 1.0160144585 | 6.0546167734 | 7.032280054 | ns |
| RNF149 | -0.03164317 | -0.02630013 | -5.31564796 | 1.0779238051 | 6.2950750223 | 6.987166815 | ns |
| ALCAM | -0.02161813 | -0.00660483 | -5.28981468 | 1.2410368680 | 6.9907146265 | 6.840513271 | ns |
| LTBP3 | -0.06357854 | 0.009939478 | -5.28931892 | 1.2449217828 | 6.9907146265 | 6.848897146 | ns |
| ATRAID | -0.02815427 | -0.00162156 | -5.2801193 | 1.3084655306 | 7.2089044329 | 6.791000355 | ns |
| B2M | -0.03182519 | -0.0022426 | -5.27412724 | 1.3518256226 | 7.3098718854 | 6.759026032 | ns |
| EFCAB14 | -0.0275523 | -0.00638845 | -5.20042851 | 2.0136526176 | 1.0690664806 | 6.377315985 | ns |
| NBL1 | -0.0274597 | -0.01560759 | -5.14633887 | 2.6887769475 | 1.3825615127 | 6.101032153 | ns |
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| LY6D | -0.0397199 | -0.01867656 | -5.13662538 | 2.8316476651 | 1.4159688926 | 6.055994886 | ns |
| CD302 | -0.03176318 | -0.0288168 | -5.13467263 | 2.8610330365 | 1.4159688926 | 6.045138178 | ns |
| TNFRSF10B | -0.04312728 | -0.03318523 | -5.12445317 | 3.0204217612 | 1.4428748289 | 5.993469234 | ns |
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| INHBC | -0.05088095 | -0.10462579 | -5.12175621 | 3.0636383354 | 1.4428748289 | 5.977066979 | ns |
| IL10RB | -0.03127992 | -0.02621208 | -5.11604988 | 3.1574619855 | 1.4634585710 | 5.947511331 | ns |
| FCAMR | -0.07738115 | -0.02923245 | -5.09916419 | 3.4518079725 | 1.5748873874 | 5.859768419 | ns |
| PIK3IP1 | -0.02738431 | -0.01434001 | -5.09546287 | 3.5201418824 | 1.5813560456 | 5.843999437 | ns |
| SIRPB1 | -0.0495077 | -0.03952379 | -5.0567653 | 4.3135708494 | 1.8838243401 | 5.65208173 | ns |
| LGALS4 | -0.05833077 | -0.03602431 | -5.05636797 | 4.3224736571 | 1.8838243401 | 5.649576674 | ns |
| SPON2 | -0.03644497 | -0.02850134 | -5.03945906 | 4.7220176318 | 2.0276899242 | 5.567029309 | ns |
| CFD | -0.01966453 | -0.01534626 | -5.01359052 | 5.4013534243 | 2.2559463489 | 5.43132594 | ns |
| CD79B | -0.04731832 | -0.02614915 | -5.01334523 | 5.4080905626 | 2.2559463489 | 5.429149874 | ns |
| SUSD4 | -0.04180014 | 0.018281077 | -4.9915112 | 6.0560880153 | 2.4906728175 | 5.322418969 | ns |
| CD300E | -0.04314428 | -0.02326622 | -4.93532766 | 8.0849208324 | 3.2788845598 | 5.04531779 | ns |
| FABP1 | -0.10334502 | -0.09211696 | -4.92946335 | 8.3318048975 | 3.3327219590 | 5.021853815 | ns |
| OGN | -0.04244728 | -0.04045438 | -4.90353508 | 9.5088702956 | 3.7521488193 | 4.893352655 | ns |
| CCER2 | -0.05977518 | 0.035620043 | -4.88633187 | 1.0378735786 | 4.0407877996 | 4.818102312 | ns |
| SPINK4 | -0.06607543 | 0.028102072 | -4.85252076 | 1.2309995149 | 4.7296297154 | 4.64709304 | ns |
| VWC2 | -0.04070238 | -0.04137541 | -4.8342832 | 1.3493229653 | 5.1169130633 | 4.563960086 | ns |
| EFNA1 | -0.02725113 | -0.01533742 | -4.81315376 | 1.4998283537 | 5.6147420423 | 4.45923682 | ns |
| FSTL1 | -0.0215922 | -0.01952285 | -4.81056813 | 1.5195741376 | 5.6166537745 | 4.454204671 | ns |
| PLA2G15 | -0.02698216 | -0.01449308 | -4.8036888 | 1.5723215323 | 5.7159956772 | 4.412074912 | ns |
| CDHR5 | -0.04283945 | -0.06542682 | -4.80201845 | 1.5856015405 | 5.7159956772 | 4.407414676 | ns |
| CD59 | -0.02232296 | -0.02144653 | -4.78832399 | 1.6981651052 | 6.0471245211 | 4.357044727 | ns |
| NPPC | -0.04650567 | -0.00057409 | -4.76712374 | 1.8858928202 | 6.6347072711 | 4.240110252 | ns |
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| LAMP3 | -0.05439971 | -0.04649444 | -4.70484711 | 2.5624869722 | 8.7005371616 | 3.944297933 | ns |
| GDF15 | -0.03914234 | -0.05624946 | -4.68296621 | 2.8514930737 | 9.5044030713 | 3.842335689 | ns |
| HSPG2 | -0.02505867 | -0.01699601 | -4.68208525 | 2.8643406516 | 9.5044030713 | 3.847774686 | ns |
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| TNFRSF12A | -0.03432786 | -0.03569182 | -4.66809899 | 3.0655669968 | 9.9460618121 | 3.775764546 | ns |

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| TTR | 0.023188898 | -0.00211707 | 4.65814873 | 3.2174934505 | 0.00010212 | 3.733119202 | ns |
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| CRHBP | -0.02839422 | -0.04154438 | -4.5853443 | 4.5682414158 | 0.000133393 | 3.399745846 | ns |
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| BSG | -0.01783169 | -0.0147872 | -4.41048066 | 1.0383584797 | 0.000259146 | 2.614648677 | ns |
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| PRAP1 | -0.03998382 | -0.09612293 | -4.4025421 | 1.0770636173 | 0.000264288 | 2.580659485 | ns |
| CLEC14A | -0.02883359 | -0.01898047 | -4.40067456 | 1.0864180564 | 0.000264362 | 2.575180579 | ns |
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| MMP12 | -0.04887664 | -0.05599083 | -4.34772067 | 1.3844350625 | 0.000328663 | 2.344843039 | ns |
| TIMD4 | -0.04175989 | -0.02280482 | -4.33189353 | 1.4877103787 | 0.000350332 | 2.278572994 | ns |
| EPHB6 | -0.0279716 | 0.000193873 | -4.32135494 | 1.5605701898 | 0.000360706 | 2.236396056 | ns |
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| RARRES2 | -0.04808087 | -0.0752127 | -4.31973173 | 1.5719800645 | 0.000360706 | 2.22518365 | ns |
| NTRK3 | 0.021039151 | 0.014814134 | 4.318432077 | 1.5811760292 | 0.000360706 | 2.215850093 | ns |
| AMPB | -0.01847657 | -0.03425718 | -4.30534186 | 1.6775215875 | 0.000379718 | 2.159866244 | ns |
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| TNFRSF17 | -0.03462875 | -0.03280297 | -4.26473255 | 2.0135528673 | 0.000438774 | 1.999303452 | ns |
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| LMNB2 | -0.02303825 | -0.02366368 | -4.15207036 | 3.3124337204 | 0.00065798 | 1.518282749 | ns |
| PON3 | 0.025690986 | 0.001823046 | 4.137420416 | 3.5309614820 | 0.000696649 | 1.460568864 | ns |
| POF1B | -0.03689791 | 0.042908855 | -4.12402402 | 3.7431101806 | 0.000733549 | 1.416418083 | ns |
| PTPRN2 | -0.02835457 | -0.00382663 | -4.11096078 | 3.9608601775 | 0.000771047 | 1.358593914 | ns |
| ASGR2 | -0.02122855 | -0.00895729 | -4.10636857 | 4.0399210663 | 0.000776231 | 1.332189635 | ns |
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| TNFRSF9 | -0.03483861 | -0.01015511 | -4.1047087 | 4.0692893938 | 0.000776623 | 1.33064448 | ns |
| NHLRC3 | -0.02688995 | -0.04392814 | -4.08289449 | 4.4712416175 | 0.000847794 | 1.257557218 | ns |
| IFI30 | -0.03247403 | -0.04655162 | -4.07550023 | 4.6150401778 | 0.000869414 | 1.215967406 | ns |
| THY1 | -0.02426571 | -0.01898924 | -4.07081785 | 4.7080720703 | 0.000881255 | 1.186247616 | ns |

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| PLAUR | -0.02363523 | -0.03703801 | -4.0655322 | 4.8164382038 | 0.000895796 | 1.174689951 | ns |
| XG | -0.02713365 | -0.006128 | -4.04391218 | 5.2822377810 | 0.000970404 | 1.081544095 | ns |
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| CD74 | -0.030047 | -0.03293008 | -4.03846217 | 5.4061642553 | 0.000980229 | 1.056189749 | ns |
| PRRT3 | -0.03048921 | 0.015882938 | -4.0381443 | 5.4142245327 | 0.000980229 | 1.067865763 | ns |
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| PBLD | -0.04546435 | 0.022806931 | -4.03422091 | 5.5053968761 | 0.000980229 | 1.051413525 | ns |
| CAPG | -0.05270552 | -0.06983188 | -4.03215853 | 5.5535447681 | 0.000982809 | 1.037759319 | ns |
| TFF1 | -0.06426111 | 0.023579233 | -4.02398754 | 5.7496638112 | 0.001011387 | 1.005104083 | ns |
| CD38 | -0.02656845 | -0.02282377 | -4.00585137 | 6.2086763688 | 0.001072318 | 0.932969714 | ns |
| IGFBP6 | -0.02389185 | -0.01031694 | -4.00543441 | 6.2198147735 | 0.001072318 | 0.933771796 | ns |
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| SPOCK1 | 0.022366789 | 0.00351267 | 4.004301436 | 6.2495307692 | 0.001072318 | 0.927115449 | ns |
| RNASE4 | -0.0217811 | -0.03006874 | -4.0023482 | 6.3019588322 | 0.001072318 | 0.928065569 | ns |
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| FAM20A | -0.02355982 | -0.04298675 | -4.00039338 | 6.3531164950 | 0.001072318 | 0.905316199 | ns |
| IL1RN | -0.05138433 | -0.00163616 | -3.99893986 | 6.3925674507 | 0.001072776 | 0.904982786 | ns |
| ADAM9 | -0.02342769 | -0.00934361 | -3.99539268 | 6.4886337497 | 0.001082675 | 0.886513539 | ns |
| PRCP | -0.0278459 | -0.04334977 | -3.99048444 | 6.6243016408 | 0.001099032 | 0.868200603 | ns |
| GHRL | 0.070816177 | 0.053246639 | 3.974084137 | 7.0974591057 | 0.00117088 | 0.806932157 | ns |
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| KRT8 | -0.04929242 | 0.035507696 | -3.96308985 | 7.4326807185 | 0.001212482 | 0.769413206 | ns |
| IFNLR1 | -0.03306251 | -0.01527757 | -3.95723554 | 7.6163522234 | 0.001235542 | 0.738681751 | ns |
| SEMA3F | -0.02316376 | -0.02214061 | -3.94503147 | 8.0145384831 | 0.001292953 | 0.692898541 | ns |
| LRP11 | -0.0297707 | -0.02729547 | -3.94305281 | 8.0809085868 | 0.001296497 | 0.685162544 | ns |
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| HGF | -0.03120691 | -0.04313962 | -3.93806378 | 8.2500440359 | 0.001309246 | 0.659256819 | ns |
| LGALS9 | -0.02812784 | -0.04005442 | -3.92859809 | 8.5817375915 | 0.001354523 | 0.628597393 | ns |
| IL19 | -0.0584084 | -0.00312237 | -3.91997588 | 8.8952474862 | 0.001396458 | 0.603856701 | ns |
| STC1 | -0.03709145 | -0.02194037 | -3.90743009 | 9.3679122746 | 0.001462797 | 0.540079445 | ns |
| AHSG | -0.02150113 | -0.01146139 | -3.89924211 | 9.6901487045 | 0.001504034 | 0.510268211 | ns |
| ADGRG1 | -0.05294034 | 0.085784056 | -3.89813438 | 9.7350129700 | 0.001504034 | 0.510982952 | ns |
| ST3GAL1 | 0.037429241 | 0.060155425 | 3.890780972 | 0.000100345 | 0.001542149 | 0.482594159 | ns |
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| TNFRSF11A | -0.03106236 | -0.0354379 | -3.85675456 | 0.000115366 | 0.001745435 | 0.345072001 | ns |
| CCL22 | -0.04368552 | -0.04447282 | -3.8522423 | 0.000117522 | 0.001768888 | 0.338287652 | ns |
| RBFOX3 | -0.02880542 | -0.03056084 | -3.84699453 | 0.000120054 | 0.001797729 | 0.307769239 | ns |
| CALB2 | -0.0256374 | -0.00223921 | -3.84453891 | 0.000121276 | 0.001806761 | 0.310775471 | ns |
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| SNAP25 | -0.03603262 | 0.03154438 | -3.83392926 | 0.000126625 | 0.0018674 | 0.270309158 | ns |
| MEP1A | -0.05522809 | 0.00702397 | -3.82436771 | 0.000131623 | 0.001931351 | 0.223574147 | ns |
| CCN3 | -0.02628364 | -0.02570954 | -3.80897317 | 0.000140084 | 0.002045229 | 0.16512784 | ns |
| TREM2 | -0.04233138 | -0.06070506 | -3.7939874 | 0.000148817 | 0.002161921 | 0.113545176 | ns |
| LRIG1 | -0.02852797 | -0.02725682 | -3.78914979 | 0.000151736 | 0.002193416 | 0.089430136 | ns |
| CLMP | -0.01790673 | -0.01790542 | -3.77162532 | 0.00016279 | 0.002337243 | 0.022527274 | ns |
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| SFTPA2 | -0.04118026 | 0.029464584 | -3.76820786 | 0.000165051 | 0.002350977 | 0.023559469 | ns |
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| FBLN2 | -0.02264133 | -0.00874705 | -3.74775272 | 0.000179074 | 0.002513928 | -0.06455121 | ns |
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| LAYN | -0.0256415 | -0.00549234 | -3.73615053 | 0.000187541 | 0.002607711 | -0.10052302 | ns |
| AREG | -0.03593174 | 0.02018985 | -3.72540402 | 0.000195704 | 0.002708317 | -0.14173372 | ns |
| IL6 | -0.0610138 | -0.00484653 | -3.72129137 | 0.000198916 | 0.00273979 | -0.15691484 | ns |
| GFRA2 | -0.016755 | -0.0100504 | -3.71935284 | 0.000200448 | 0.002747921 | -0.16406477 | ns |
| FABP5 | -0.05714523 | -0.02514401 | -3.71611427 | 0.000203024 | 0.002769685 | -0.1812727 | ns |
| NELL1 | 0.032729428 | 0.038081458 | 3.71479467 | 0.000204086 | 0.002769685 | -0.18488872 | ns |
| PLTP | 0.029808528 | 0.006951874 | 3.713809754 | 0.000204881 | 0.002769685 | -0.18892914 | ns |
| VSIG4 | -0.03190339 | -0.04366268 | -3.70385453 | 0.000213092 | 0.002867408 | -0.22389024 | ns |
| TNFRSF13B | -0.02704097 | -0.01794622 | -3.70186868 | 0.000214766 | 0.002870131 | -0.22998414 | ns |
| IL1R1 | -0.01749426 | -0.01258122 | -3.70128686 | 0.00021526 | 0.002870131 | -0.23225927 | ns |
| CCL15 | -0.03450433 | 0.03510263 | -3.69697247 | 0.000218938 | 0.0029059 | -0.25288645 | ns |
| LGALS1 | -0.02719131 | -0.03511353 | -3.68335368 | 0.000230978 | 0.003051835 | -0.29656869 | ns |
| HS6ST2 | -0.02411379 | 0.026341478 | -3.67756728 | 0.00023629 | 0.003107953 | -0.30972074 | ns |

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| SCARB2 | -0.02251376 | -0.02528381 | -3.67522608 | 0.000238466 | 0.003115937 | -0.31831606 | ns |
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| GFER | -0.05209892 | 0.021887839 | -3.62596525 | 0.000288835 | 0.003635338 | -0.49774134 | ns |
| CD80 | -0.02397172 | -0.01691122 | -3.61930463 | 0.000296337 | 0.00371375 | -0.53419217 | ns |
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| REG3A | -0.04773765 | 0.007334635 | -3.60985568 | 0.000307333 | 0.00380259 | -0.56847311 | ns |
| SELENOP | 0.016236221 | 0.003889723 | 3.608611792 | 0.000308809 | 0.003804741 | -0.57223074 | ns |
| GDF2 | -0.02854649 | 0.019448341 | -3.60320893 | 0.000315309 | 0.003868498 | -0.58606073 | ns |
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| CD300C | -0.02621327 | -0.02114561 | -3.58684554 | 0.000335732 | 0.004054294 | -0.65100622 | ns |
| REG4 | -0.03650917 | -0.02641816 | -3.58672835 | 0.000335893 | 0.004054294 | -0.64600991 | ns |
| SERPINA1 | -0.00575362 | -0.00429912 | -3.58664906 | 0.000336007 | 0.004054294 | -0.64240613 | ns |
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| ART3 | -0.02587308 | 0.031598704 | -3.56361471 | 0.000366892 | 0.004375141 | -0.72804826 | ns |
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| OSCAR | -0.02609614 | -0.0420941 | -3.55917453 | 0.000373145 | 0.004410797 | -0.74362175 | ns |
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| FABP4 | -0.04589486 | -0.0562609 | -3.54560612 | 0.000392865 | 0.004588664 | -0.79640818 | ns |
| GP1BA | -0.02509959 | 0.007094555 | -3.5384812 | 0.000403636 | 0.004685031 | -0.81266336 | ns |
| DDAH1 | -0.03442453 | 0.0037605 | -3.53731931 | 0.000405407 | 0.004685031 | -0.81889288 | ns |
| IL15 | -0.02516408 | -0.02098871 | -3.53618505 | 0.000407147 | 0.004685031 | -0.82535347 | ns |
| PALM | -0.02130093 | -0.01213568 | -3.53582096 | 0.000407706 | 0.004685031 | -0.82623398 | ns |
| CYTL1 | -0.01661622 | -0.0130558 | -3.53389533 | 0.000410677 | 0.004685031 | -0.83658552 | ns |
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| KYNU | -0.03501509 | -0.01720816 | -3.50047622 | 0.00046573 | 0.005291562 | -0.95446619 | ns |
| CALCB | -0.02752531 | 0.028331241 | -3.49848777 | 0.000469217 | 0.005310513 | -0.96050031 | ns |
| ARSA | -0.03442366 | 0.019352267 | -3.49581096 | 0.000473956 | 0.005343443 | -0.96645396 | ns |
| DDR1 | -0.01670664 | -0.00572732 | -3.49377904 | 0.000477563 | 0.005351618 | -0.97772859 | ns |
| HMCN2 | -0.04055003 | -0.04793224 | -3.49336034 | 0.000478347 | 0.005351618 | -0.96583999 | ns |
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| SLITRK6 | -0.02608559 | 0.001927655 | -3.48211991 | 0.000498871 | 0.005517816 | -1.00538571 | ns |
| LGMN | -0.02747437 | -0.01921954 | -3.48056336 | 0.000501744 | 0.005528655 | -1.01992312 | ns |
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| SLC39A5 | -0.04096345 | -0.06035542 | -3.45896872 | 0.00054372 | 0.005902091 | -1.09314162 | ns |
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| CFC1 | -0.03497408 | 0.017080982 | -3.44949531 | 0.000563175 | 0.00604585 | -1.116652 | ns |
| ACVRL1 | -0.01741115 | -0.02774798 | -3.44709805 | 0.000568172 | 0.006077151 | -1.1300376 | ns |
| C19orf12 | -0.04722912 | 0.073978553 | -3.43846933 | 0.000586595 | 0.006246702 | -1.15510273 | ns |
| PDZD2 | -0.0429218 | 0.09565729 | -3.43768333 | 0.000588302 | 0.006246702 | -1.15623613 | ns |
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| SIGLEC1 | -0.03218587 | -0.0364217 | -3.41235597 | 0.000645694 | 0.006757803 | -1.25302144 | ns |
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| CCL21 | -0.03004207 | -0.03138217 | -3.38318112 | 0.000718297 | 0.007464151 | -1.35131985 | ns |
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| SEZ6L | -0.02032995 | 0.011829324 | -3.37557625 | 0.000738428 | 0.007619117 | -1.37732977 | ns |
| MCAM | 0.02448561 | 0.016806363 | 3.367113379 | 0.000761459 | 0.007790036 | -1.40324433 | ns |
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| STX4 | -0.04513384 | 0.071075477 | -3.2920521 | 0.000996846 | 0.00960625 | -1.64931989 | ns |
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| MANSC1 | -0.01865986 | -0.00295025 | -3.24168887 | 0.001190757 | 0.010831811 | -1.8166218 | ns |
| FGF23 | -0.03874461 | 0.061514744 | -3.24072525 | 0.001194777 | 0.010834623 | -1.82275287 | ns |
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| DEFB4A_DEFB | -0.10237879 | -0.14645893 | -3.18223743 | 0.001464367 | 0.012613428 | -1.99861493 | ns |
| ADAM8 | -0.01966046 | -0.02241135 | -3.17711197 | 0.001490416 | 0.012800044 | -2.02440653 | ns |
| TFF3 | -0.03095868 | 0.034613405 | -3.174071 | 0.001506152 | 0.012897252 | -2.02649401 | ns |
| KLRB1 | -0.02539808 | 0.003513487 | -3.17097061 | 0.001522258 | 0.012997055 | -2.04448985 | ns |
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| PLIN3 | -0.02945516 | 0.011751979 | -3.15868096 | 0.00158793 | 0.013401024 | -2.07630433 | ns |
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| FAS | -0.02261138 | -0.00716048 | -3.15124542 | 0.001628863 | 0.01362831 | -2.10398034 | ns |
| QPCT | -0.0184019 | -0.03056179 | -3.15014129 | 0.001635048 | 0.013640976 | -2.10402466 | ns |
| CRACR2A | -0.05991858 | 0.108605813 | -3.14764628 | 0.001649122 | 0.013719189 | -2.10382939 | ns |
| CLIP2 | -0.07917195 | -0.05597876 | -3.14365196 | 0.001671717 | 0.013850097 | -2.12539345 | ns |
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| SERPINA6 | 0.011059461 | 0.020901187 | 3.13601678 | 0.001715797 | 0.014033971 | -2.15269138 | ns |
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| TXNDC5 | -0.04679779 | 0.024704223 | -3.11755454 | 0.001826917 | 0.014736455 | -2.21110153 | ns |
| IFNGR1 | -0.01363069 | -0.00138398 | -3.11567605 | 0.001838606 | 0.01478989 | -2.21332628 | ns |
| CCL20 | -0.05841337 | 0.014891783 | -3.1089319 | 0.001881043 | 0.015089688 | -2.23768898 | ns |
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| DPP10 | -0.02267034 | 0.009161886 | -3.09498447 | 0.001971774 | 0.015688227 | -2.27594489 | ns |
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| LAMA4 | -0.02194352 | -0.00547047 | -3.07529055 | 0.002106655 | 0.016447684 | -2.33730686 | ns |
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| HTRA2 | -0.04149665 | 0.025624336 | -3.06530033 | 0.00217827 | 0.016826845 | -2.36826199 | ns |
| EDA2R | -0.02281264 | -0.05887849 | -3.0603828 | 0.002214316 | 0.017060169 | -2.38685347 | ns |
| MYOM3 | 0.057587416 | 0.000596725 | 3.05670003 | 0.002241779 | 0.017226302 | -2.38449413 | ns |
| TRIAP1 | -0.04280411 | -0.0090717 | -3.05267326 | 0.002271964 | 0.017372435 | -2.41022543 | ns |
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| MSLN | -0.03721524 | 0.033705889 | -3.0366762 | 0.002396058 | 0.018078786 | -2.44955568 | ns |
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| AK2 | -0.06499514 | -0.03490324 | -2.96877537 | 0.002994464 | 0.021536542 | -2.65923064 | ns |
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| GCNT1 | -0.01998805 | -0.01039401 | -2.67024714 | 0.007587555 | 0.041180035 | -3.48766113 | ns |
| ROBO1 | -0.01357671 | -0.00732379 | -2.6696341 | 0.007601383 | 0.041180035 | -3.49098401 | ns |
| KIRREL2 | -0.0231672 | 0.000188261 | -2.66811884 | 0.007635889 | 0.041248647 | -3.48740492 | ns |
| CACYBP | -0.05649954 | -0.06890145 | -2.66673 | 0.007667474 | 0.041248647 | -3.49018862 | ns |
| GRAP2 | -0.07567037 | -0.10292451 | -2.66662034 | 0.00766987 | 0.041248647 | -3.49768686 | ns |
| ADA2 | -0.02398594 | -0.01800107 | -2.6665138 | 0.007672375 | 0.041248647 | -3.49394302 | ns |
| MSRA | -0.04277759 | -0.01907864 | -2.66596869 | 0.007684679 | 0.041248647 | -3.50326279 | ns |
| CXCL16 | -0.0136411 | -0.020789 | -2.66019733 | 0.007817535 | 0.041884776 | -3.52030156 | ns |
| RPL14 | -0.02198494 | 0.018893004 | -2.65933274 | 0.007837833 | 0.041916618 | -3.50979737 | ns |
| B4GALT1 | -0.01533472 | -0.01137044 | -2.657174 | 0.007887998 | 0.042107775 | -3.52593497 | ns |
| LCN15 | -0.03267952 | 0.050378763 | -2.65545832 | 0.007928159 | 0.042244936 | -3.53411285 | ns |
| HPVL | -0.02398718 | -0.04548448 | -2.65472831 | 0.007945347 | 0.042259404 | -3.53551025 | ns |
| HSPB1 | -0.04055764 | -0.14338851 | -2.65081143 | 0.008038267 | 0.042675888 | -3.53214072 | ns |
| LYN | -0.05041764 | -0.06077442 | -2.64992432 | 0.00805926 | 0.042701204 | -3.54128058 | ns |
| TGFB1 | -0.02217923 | -0.01279642 | -2.64912297 | 0.008078275 | 0.042701204 | -3.55012955 | ns |

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| IL12A_IL12B | -0.04439837 | -0.00296878 | -2.64876658 | 0.008086906 | 0.042701204 | -3.54432282 | ns |
| PGLYRP2 | -0.01649809 | -0.03856765 | -2.64639688 | 0.008143772 | 0.042821253 | -3.5495722 | ns |
| LRIG3 | -0.01497255 | 0.005890878 | -2.64639407 | 0.008144 | 0.042821253 | -3.54076091 | ns |
| IL12B | -0.03141054 | -0.02336091 | -2.64598143 | 0.008153636 | 0.042821253 | -3.55900235 | ns |
| NXPH3 | -0.01652886 | 0.00862956 | -2.6445113 | 0.008189396 | 0.042925208 | -3.547465 | ns |
| TSC22D1 | -0.03650478 | 0.051698312 | -2.6439452 | 0.008202831 | 0.042925208 | -3.5643743 | ns |
| CA4 | -0.01359027 | -0.00525554 | -2.64233054 | 0.008242032 | 0.042998149 | -3.56816244 | ns |
| F7 | -0.01767765 | -0.03198176 | -2.64175855 | 0.008256061 | 0.042998149 | -3.56339043 | ns |
| MFAP5 | -0.02395382 | -0.03717505 | -2.64155384 | 0.008260946 | 0.042998149 | -3.57019795 | ns |
| LGALS8 | -0.03566587 | 0.045095938 | -2.64077427 | 0.00827997 | 0.043020486 | -3.57269292 | ns |
| LCN2 | -0.02122251 | -0.01664785 | -2.63831161 | 0.008340745 | 0.04325928 | -3.55559549 | ns |
| CLEC1B | -0.05601119 | -0.0024357 | -2.63737991 | 0.008363255 | 0.043261662 | -3.58157901 | ns |
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| TARBP2 | -0.04663921 | 0.019241948 | -2.63332393 | 0.008463999 | 0.04366586 | -3.57887489 | ns |
| ACP1 | 0.024273726 | 0.062168837 | 2.632089312 | 0.008494824 | 0.04372922 | -3.57996625 | ns |
| TNFSF8 | -0.01900303 | -0.00572543 | -2.63162309 | 0.008506232 | 0.04372922 | -3.59519612 | ns |
| CCDC80 | -0.01962514 | -0.03987433 | -2.62965908 | 0.0085556 | 0.043789513 | -3.5947681 | ns |
| CD101 | -0.02321588 | -0.06271614 | -2.62908788 | 0.008569892 | 0.043789513 | -3.60124356 | ns |
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| LBR | -0.03987059 | 0.035417087 | -2.62876735 | 0.008577946 | 0.043789513 | -3.6040746 | ns |
| PMVK | -0.06401961 | -0.30859416 | -2.62735671 | 0.008613842 | 0.043896018 | -3.59301286 | ns |
| ACOT13 | -0.06060323 | -0.05739855 | -2.62160197 | 0.008760327 | 0.044518551 | -3.62073839 | ns |
| RAB27B | -0.04421823 | -0.14291056 | -2.6213614 | 0.008766495 | 0.044518551 | -3.62246737 | ns |
| PTH | -0.04288638 | -0.00385061 | -2.61911698 | 0.008824572 | 0.044670662 | -3.61566432 | ns |
| CSDE1 | -0.0650052 | 0.236191659 | -2.61902324 | 0.008827045 | 0.044670662 | -3.61450545 | ns |
| PLSCR3 | -0.03229731 | 0.021866194 | -2.61682758 | 0.008883743 | 0.044870725 | -3.63347096 | ns |
| ADAM22 | -0.01945575 | -0.00237658 | -2.61573126 | 0.008912419 | 0.044870725 | -3.63024173 | ns |
| PTPRH | -0.02564 | 0.034601966 | -2.61571712 | 0.008912678 | 0.044870725 | -3.63602475 | ns |
| ITGB1BP2 | -0.06401733 | -0.09242788 | -2.61500908 | 0.008931395 | 0.044887562 | -3.62657087 | ns |
| PRTFDC1 | -0.06492907 | -0.15489868 | -2.61097466 | 0.0090374 | 0.045342282 | -3.63699466 | ns |
| CXCL6 | -0.04397046 | -0.01521787 | -2.60968676 | 0.009071208 | 0.04543384 | -3.65361376 | ns |
| FUOM | -0.0343902 | -0.00858004 | -2.60556382 | 0.00918129 | 0.045899373 | -3.65109033 | ns |
| CLC | -0.03793464 | 0.045408347 | -2.6050267 | 0.009195594 | 0.045899373 | -3.658715 | ns |
| THBD | -0.01547751 | -0.01595167 | -2.60414678 | 0.009219226 | 0.045938805 | -3.66098819 | ns |
| HDGFL2 | -0.0344504 | 0.024071242 | -2.60280598 | 0.00925523 | 0.045961567 | -3.67049362 | ns |
| MAVS | -0.05396981 | 0.080756009 | -2.60281427 | 0.009255274 | 0.045961567 | -3.6572511 | ns |
| CXCL9 | -0.03747535 | 0.030408137 | -2.59905386 | 0.009357014 | 0.046332682 | -3.67744676 | ns |
| CCL16 | -0.02987649 | -0.12633205 | -2.59824948 | 0.009378898 | 0.046332682 | -3.68274064 | ns |
| AXIN1 | -0.0549955 | -0.02693033 | -2.59792363 | 0.009387896 | 0.046332682 | -3.67922587 | ns |
| TIMM8A | -0.046485 | 0.032083689 | -2.5977162 | 0.009393475 | 0.046332682 | -3.68362213 | ns |
| DAPP1 | -0.06967013 | -0.27996901 | -2.59555852 | 0.009452725 | 0.046546303 | -3.68531775 | ns |
| CD164 | -0.01579279 | 0.011745166 | -2.59359443 | 0.009506851 | 0.046677391 | -3.6907372 | ns |
| CRYBB1 | -0.03475366 | 0.013665339 | -2.59315649 | 0.009518891 | 0.046677391 | -3.69541449 | ns |
| PMM2 | -0.03182921 | 0.041929373 | -2.59257994 | 0.009535126 | 0.046677391 | -3.68284159 | ns |
| GABARAP | -0.02520487 | 0.031043897 | -2.5920355 | 0.009549973 | 0.046677391 | -3.69735472 | ns |
| LONP1 | -0.04581813 | 0.009066422 | -2.59170841 | 0.009559274 | 0.046677391 | -3.68587946 | ns |
| SAFB2 | -0.01489598 | 0.00595971 | -2.58563137 | 0.009729108 | 0.047427372 | -3.71563037 | ns |
| SUSD1 | -0.02758775 | -0.0524417 | -2.58118577 | 0.009855521 | 0.047963535 | -3.71372311 | ns |
| PLB1 | 0.031512412 | -0.00954359 | 2.577837817 | 0.009951212 | 0.048348649 | -3.73465028 | ns |
| UBE2L6 | -0.03285998 | 0.006833735 | -2.57680109 | 0.0099811 | 0.048390167 | -3.73735373 | ns |
| CIRBP | -0.05073709 | -0.07475311 | -2.57638369 | 0.009993168 | 0.048390167 | -3.737315 | ns |
| METAP1D | -0.04639201 | -0.01158085 | -2.57582222 | 0.010009473 | 0.048390167 | -3.73593695 | ns |
| ANGPTL3 | -0.01978612 | 0.002493272 | -2.57482727 | 0.010038329 | 0.048449458 | -3.73606346 | ns |
| GPD1 | -0.02920046 | 0.002666076 | -2.57300775 | 0.010091139 | 0.048602308 | -3.74609939 | ns |
| EIF4G1 | -0.05718535 | -0.09664997 | -2.57202661 | 0.010119721 | 0.048602308 | -3.75040444 | ns |
| MOCS2 | -0.03536822 | 0.023097775 | -2.57154519 | 0.010134031 | 0.048602308 | -3.73842445 | ns |
| GIPC2 | -0.01525669 | -0.00497731 | -2.57138862 | 0.010138396 | 0.048602308 | -3.75112134 | ns |
| LAT | -0.04355193 | -0.11615883 | -2.57074961 | 0.010157093 | 0.048602308 | -3.75366184 | ns |
| FTCD | -0.0457435 | 0.059164144 | -2.57031549 | 0.010169866 | 0.048602308 | -3.75257334 | ns |
| EIF2AK2 | -0.05766888 | 0.030491877 | -2.56831553 | 0.010228742 | 0.048787695 | -3.75612438 | ns |
| TLR2 | -0.01224891 | -0.00580661 | -2.56786679 | 0.010242074 | 0.048787695 | -3.75263061 | ns |
| ATP5IF1 | -0.06249263 | -0.08554101 | -2.56701019 | 0.010267309 | 0.048828243 | -3.75954887 | ns |
| SIGLEC8 | -0.02362529 | -0.03199942 | -2.56304491 | 0.010385477 | 0.049309908 | -3.75914693 | ns |
| FIGF | 0.042361508 | 0.183344146 | 2.562223328 | 0.010410103 | 0.049346594 | -3.758818 | ns |
| PLIN1 | -0.02054988 | 0.007576662 | -2.5612387 | 0.010439614 | 0.049385973 | -3.76455791 | ns |
| AGXT | -0.04344577 | 0.063705728 | -2.56062394 | 0.010457943 | 0.049385973 | -3.77246789 | ns |

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| GRP | -0.02761391 | -0.0078918 | -2.56025644 | 0.01046915 | 0.049385973 | -3.76623115 | ns |
| MASP1 | -0.01310156 | -0.01695541 | -2.5595509 | 0.010490317 | 0.049406007 | -3.77319639 | ns |
| JAM3 | -0.02587427 | 0.039494943 | -2.55635672 | 0.01058713 | 0.049781675 | -3.77704667 | ns |
| APOA1 | 0.014229547 | 0.031703827 | 2.552670292 | 0.010699566 | 0.050229473 | -3.79845313 | ns |
| MCFD2 | -0.0245519 | 0.003837824 | -2.55070645 | 0.01076014 | 0.05043276 | -3.79702088 | ns |
| SPTLC1 | -0.01948678 | 0.044138998 | -2.54764187 | 0.010854944 | 0.05079557 | -3.81141447 | ns |
| CD70 | -0.02419691 | -0.03548506 | -2.54555199 | 0.010920208 | 0.051019211 | -3.81282325 | ns |
| MANF | -0.06776578 | -0.25297915 | -2.54472895 | 0.010945922 | 0.051033105 | -3.81603791 | ns |
| CCL23 | -0.02293171 | -0.02345672 | -2.54403726 | 0.010967613 | 0.051033105 | -3.81778367 | ns |
| CRISP3 | 0.014085094 | 0.008000267 | 2.543784004 | 0.010975613 | 0.051033105 | -3.81585977 | ns |
| ITGA11 | 0.018996313 | 0.015084387 | 2.543073476 | 0.010997944 | 0.051055637 | -3.81907845 | ns |
| FURIN | -0.02039786 | -0.04240017 | -2.53937573 | 0.011114775 | 0.051441096 | -3.83008565 | ns |
| MAMDC2 | -0.01713792 | -0.00412573 | -2.53932954 | 0.011116209 | 0.051441096 | -3.8324404 | ns |
| SNX5 | -0.01539221 | 0.045764639 | -2.53744506 | 0.011176475 | 0.05156188 | -3.82389509 | ns |
| IKBKG | -0.05130589 | -0.00835634 | -2.53740354 | 0.011177627 | 0.05156188 | -3.83336516 | ns |
| PALM3 | -0.0394031 | 0.152686517 | -2.53195921 | 0.011352815 | 0.052287412 | -3.836886 | ns |
| BAX | -0.04953215 | 0.023373501 | -2.53139851 | 0.011370966 | 0.052288534 | -3.83925821 | ns |
| IRAG2 | -0.04933935 | 0.145537998 | -2.53029978 | 0.011406609 | 0.052323194 | -3.84270501 | ns |
| NOS3 | -0.0289273 | -0.03188146 | -2.52952271 | 0.011431886 | 0.052323194 | -3.84462346 | ns |
| SKAP2 | -0.05872158 | -0.01939159 | -2.52950425 | 0.01143226 | 0.052323194 | -3.85435372 | ns |
| ARG1 | 0.02953211 | 0.014040779 | 2.52579834 | 0.011553577 | 0.05279569 | -3.86083069 | ns |
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| SRC | -0.06729486 | -0.05705954 | -2.51707297 | 0.011843498 | 0.053951658 | -3.88498753 | ns |
| ST6GAL1 | -0.01600018 | -0.02674019 | -2.51562302 | 0.011892238 | 0.054089306 | -3.89232018 | ns |
| BNIP2 | -0.01758294 | 0.009900216 | -2.51380456 | 0.011953719 | 0.054284385 | -3.89641495 | ns |
| CDH17 | -0.03751503 | 0.068689641 | -2.51203117 | 0.012014051 | 0.054473649 | -3.89471574 | ns |
| ALPP | -0.06185827 | -0.01356746 | -2.51082713 | 0.012055094 | 0.054574998 | -3.89728538 | ns |
| BRAP | -0.05646525 | -0.07880488 | -2.50938126 | 0.01210452 | 0.054713928 | -3.9018532 | ns |
| RGMA | -0.01694251 | 0.024678316 | -2.50707266 | 0.012183712 | 0.05494212 | -3.91407659 | ns |
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| SERPINB6 | -0.0332236 | 0.008138884 | -2.50626961 | 0.012211451 | 0.05494212 | -3.91440852 | ns |
| DLG4 | -0.03702984 | 0.079126732 | -2.50409082 | 0.012286843 | 0.055196277 | -3.92053835 | ns |
| IL12RB1 | -0.02008735 | -0.02995799 | -2.50228163 | 0.012350056 | 0.055395027 | -3.9126072 | ns |
| GCHFR | -0.02662146 | 0.002623943 | -2.50173928 | 0.012369214 | 0.055395865 | -3.90266683 | ns |
| DYNLT3 | -0.02241746 | 0.022529993 | -2.50115091 | 0.012389308 | 0.055400886 | -3.92694354 | ns |
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| PKD2 | -0.03067995 | 0.05123548 | -2.49808475 | 0.012497231 | 0.055702634 | -3.92137908 | ns |
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| AZI2 | -0.02887905 | 0.067031324 | -2.49416257 | 0.012635789 | 0.056073716 | -3.9460952 | ns |
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| CNPY4 | -0.04168186 | -0.02078161 | -2.48541077 | 0.012950802 | 0.056781294 | -3.96026398 | ns |
| MAP2 | -0.02313945 | 0.062906109 | -2.47945739 | 0.013168793 | 0.057650488 | -3.98142878 | ns |
| PRG3 | -0.02495438 | 0.011750375 | -2.4767153 | 0.013270362 | 0.05800817 | -3.98768365 | ns |
| NEFL | -0.02235995 | -0.03065688 | -2.47443213 | 0.01335578 | 0.058294286 | -3.97975063 | ns |
| CACNB3 | -0.04269223 | -0.01162826 | -2.47372237 | 0.013381972 | 0.058321431 | -3.99646268 | ns |
| SLIT2 | -0.02824827 | -0.00611232 | -2.47211356 | 0.013442645 | 0.058498545 | -3.98701508 | ns |
| PRKAB1 | -0.0295686 | 0.058418285 | -2.47141972 | 0.01346872 | 0.058524795 | -3.98872674 | ns |
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| DOK2 | -0.06675405 | -0.04117119 | -2.46802318 | 0.013597002 | 0.058906892 | -4.00341001 | ns |
| LRRC25 | -0.02104003 | -0.0111443 | -2.46548927 | 0.013693521 | 0.059237159 | -4.00917942 | ns |
| TRDMT1 | -0.04302297 | 0.072068488 | -2.4644595 | 0.013732939 | 0.059319795 | -4.01070595 | ns |
| TPK1 | -0.01354357 | -0.00937659 | -2.4630469 | 0.013786986 | 0.059465285 | -4.02171249 | ns |
| GP2 | 0.046196056 | 0.113621163 | 2.462054822 | 0.013825627 | 0.059478184 | -4.00544385 | ns |
| IL17RA | -0.02410745 | -0.04241618 | -2.46191302 | 0.013830715 | 0.059478184 | -4.02091165 | ns |
| RAB10 | -0.02709258 | 0.033676488 | -2.45966784 | 0.013917411 | 0.059763002 | -4.02996318 | ns |
| BIRC2 | -0.03491719 | 0.039239979 | -2.45818609 | 0.013975269 | 0.059923328 | -4.02022016 | ns |
| VPS53 | -0.04259111 | 0.062721379 | -2.45634442 | 0.014046887 | 0.060142095 | -4.03150206 | ns |
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| SCARF2 | -0.01487999 | -0.01020922 | -2.45109955 | 0.014253015 | 0.060846203 | -4.05173259 | ns |

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| CTRB1 | -0.02884421 | 0.01138384 | -2.44667934 | 0.014429028 | 0.06150768 | -4.05799905 | ns |
| EPS8L2 | -0.01582938 | -0.01011755 | -2.44497808 | 0.014497158 | 0.061708019 | -4.06612773 | ns |
| SPRR3 | -0.03317118 | 0.035261931 | -2.44352968 | 0.014555449 | 0.061791873 | -4.06915878 | ns |
| KIR2DS4 | -0.08609234 | 0.940693841 | -2.44343778 | 0.014559181 | 0.061791873 | -4.06832291 | ns |
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| CD7 | -0.02109842 | -0.00790243 | -2.42499354 | 0.015320383 | 0.064834085 | -4.09838675 | ns |
| APOBR | -0.02118248 | -0.06262169 | -2.42340596 | 0.015387425 | 0.064967099 | -4.10443727 | ns |
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| EEF1D | -0.0434673 | 0.01657469 | -2.2629186 | 0.023654493 | 0.084902936 | -4.4908523 | ns |
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| CBLN1 | -0.03987446 | 0.206291956 | -2.02816844 | 0.042560604 | 0.123640335 | -4.97793316 | ns |
| ZFYVE19 | -0.03732655 | -0.00220973 | -2.02805615 | 0.042571627 | 0.123640335 | -4.98964346 | ns |
| TIMM10 | -0.01654906 | 0.043848896 | -2.02763029 | 0.042615082 | 0.123640335 | -4.99162895 | ns |
| GNE | -0.02923744 | 0.031629852 | -2.02740137 | 0.042638978 | 0.123640335 | -4.97851402 | ns |
| GTPBP2 | -0.03367403 | 0.035633194 | -2.02597594 | 0.04278478 | 0.123940039 | -4.98202352 | ns |
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| TPPP3 | -0.01754776 | 0.026668434 | -2.02169909 | 0.043225088 | 0.124967581 | -4.9908263 | ns |
| PPP2R5A | -0.04885347 | 0.03624698 | -2.0156655 | 0.043852231 | 0.126655305 | -5.01449842 | ns |
| PTN | -0.0213597 | -0.04440961 | -2.01208205 | 0.044229054 | 0.12761743 | -5.01009832 | ns |
| ABO | 0.059339376 | -0.17263805 | 2.010182235 | 0.04442922 | 0.128068433 | -5.0254283 | ns |
| AMOTL2 | -0.02020048 | 0.101791668 | -2.00515255 | 0.044964219 | 0.12939587 | -5.03357678 | ns |

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| CDH6 | -0.01637477 | 0.002957018 | -2.00460684 | 0.045022673 | 0.12939587 | -5.03144522 | ns |
| RHOC | -0.0522387 | -0.14197442 | -2.0025145 | 0.045247187 | 0.129913262 | -5.03149223 | ns |
| MRPS16 | -0.01207884 | 0.03521769 | -2.001361 | 0.045371439 | 0.130142044 | -5.02922214 | ns |
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| DNAJB14 | -0.02654991 | 0.022745037 | -1.99484952 | 0.046076816 | 0.131519358 | -5.05591143 | ns |
| FUT8 | -0.02562699 | 0.050723072 | -1.99346723 | 0.046228068 | 0.131822225 | -5.05276029 | ns |
| DDX25 | 0.015334748 | 0.03802396 | 1.991563474 | 0.046436939 | 0.132288647 | -5.05059291 | ns |
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| CNGB3 | -0.02268624 | 0.079514158 | -1.98769523 | 0.046863464 | 0.132984757 | -5.0585458 | ns |
| ADAMTS15 | -0.02008785 | -0.04762613 | -1.98635285 | 0.047011971 | 0.133276656 | -5.06714294 | ns |
| CALB1 | -0.01843727 | -0.01608964 | -1.98419292 | 0.047252177 | 0.133703042 | -5.0713969 | ns |
| CAMSAP1 | -0.04485778 | 0.043670477 | -1.98417468 | 0.047253952 | 0.133703042 | -5.07901968 | ns |
| SERPINA9 | -0.03092711 | 0.001594051 | -1.98135285 | 0.047569695 | 0.134466128 | -5.07445114 | ns |
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| CCL19 | -0.05200729 | 0.236038158 | -1.97683927 | 0.048077488 | 0.135246883 | -5.09344062 | ns |
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| PSPN | 0.042812972 | -0.13095437 | 1.974008415 | 0.048398694 | 0.135761138 | -5.09406565 | ns |
| HSPA1A | -0.03143249 | 0.024582347 | -1.97399841 | 0.048399776 | 0.135761138 | -5.09461181 | ns |
| CD69 | -0.03810807 | -0.07174419 | -1.97259241 | 0.048560095 | 0.136080112 | -5.09137037 | ns |
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| PARK7 | -0.02315868 | -0.00786113 | -1.96798525 | 0.049087685 | 0.137032542 | -5.10621726 | ns |
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| FGF5 | -0.01426884 | -0.00604983 | -1.95987354 | 0.050028931 | 0.138689393 | -5.11292808 | ns |
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| KLK10 | -0.01687282 | -0.01359044 | -1.95918905 | 0.050108668 | 0.138689393 | -5.12357 | ns |
| TALDO1 | -0.01828655 | -0.00492585 | -1.95805317 | 0.050241785 | 0.138926147 | -5.12685381 | ns |
| HS1BP3 | -0.03635182 | -0.01056884 | -1.95733576 | 0.050326428 | 0.139028542 | -5.11700722 | ns |
| GORASP2 | -0.0190447 | 0.037415115 | -1.95463505 | 0.050644155 | 0.139774039 | -5.13470047 | ns |
| TP53 | -0.0184615 | -0.00850661 | -1.95042419 | 0.051144127 | 0.141020633 | -5.1303796 | ns |
| STXBP1 | -0.03091871 | -0.04055021 | -1.94641078 | 0.051623432 | 0.142106568 | -5.15265609 | ns |
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| ADH1B | -0.03072665 | 0.054649693 | -1.94478116 | 0.051819808 | 0.142272228 | -5.14224838 | ns |
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| CNTN4 | 0.01016437 | 0.008460208 | 1.944063338 | 0.051906037 | 0.142315145 | -5.15263964 | ns |
| RRM2B | -0.02897306 | 0.014017249 | -1.94251022 | 0.052094002 | 0.142696516 | -5.14565978 | ns |
| PEAR1 | -0.00963095 | -0.00098816 | -1.94178086 | 0.052181717 | 0.142802825 | -5.16112944 | ns |
| DHRS4L2 | -0.01903235 | 0.068242472 | -1.94137101 | 0.052231392 | 0.14280493 | -5.16141398 | ns |
| ECHDC3 | -0.0287468 | 0.055146059 | -1.94091938 | 0.052286176 | 0.142820985 | -5.1623376 | ns |
| SEMA4D | -0.01262607 | -0.00860303 | -1.93937716 | 0.052473543 | 0.143198827 | -5.16622164 | ns |
| MICALL2 | -0.02855214 | 0.130576645 | -1.93846754 | 0.052584801 | 0.143368459 | -5.15408727 | ns |
| SELP | -0.02431041 | -0.00719233 | -1.93799021 | 0.052642728 | 0.143392506 | -5.16314592 | ns |
| NUDT5 | -0.02211769 | 0.009041588 | -1.93594639 | 0.052892582 | 0.143778133 | -5.1682623 | ns |
| C4BPB | -0.01646399 | 0.004697046 | -1.93571651 | 0.052920669 | 0.143778133 | -5.17005497 | ns |
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| POSTN | 0.014564253 | 0.005027423 | 1.935221913 | 0.052981257 | 0.143778133 | -5.17274371 | ns |
| MMP3 | -0.02000583 | 0.007562566 | -1.9339511 | 0.053137477 | 0.144068183 | -5.17209262 | ns |
| IGFBP2 | -0.02903785 | -0.02548447 | -1.93316963 | 0.053233514 | 0.144194677 | -5.17664363 | ns |
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| FADD | -0.03230332 | -0.00390822 | -1.93146728 | 0.053443729 | 0.144496008 | -5.17424354 | ns |

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| SOD2 | -0.01544327 | 0.000823853 | -1.92774166 | 0.053905672 | 0.145475565 | -5.1839875 | ns |
| TGFBR3 | -0.01331934 | -0.00747867 | -1.92657799 | 0.054050492 | 0.145677802 | -5.19030445 | ns |
| LEPR | 0.013569427 | 0.027827652 | 1.926340298 | 0.05408039 | 0.145677802 | -5.18405455 | ns |
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| CASP2 | -0.02865435 | 0.02706732 | -1.92411283 | 0.054358916 | 0.146158412 | -5.19054688 | ns |
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| MITD1 | -0.04176432 | -0.07896957 | -1.92136319 | 0.054704529 | 0.146817302 | -5.1927756 | ns |
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| IL1RAP | 0.01917119 | 0.143366245 | 1.914082504 | 0.055628166 | 0.148407966 | -5.2100186 | ns |
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| NDST1 | -0.02465126 | 0.123615671 | -1.90003139 | 0.0574476 | 0.151946746 | -5.23927985 | ns |
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| PCBP2 | -0.0280225 | -0.00017281 | -1.89876362 | 0.057614088 | 0.152206101 | -5.24354614 | ns |
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| ANXA5 | -0.01204321 | -0.01588458 | -1.88622701 | 0.059283614 | 0.155532931 | -5.25273032 | ns |
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| ARL2BP | -0.01569429 | 0.02596605 | -1.87428244 | 0.060910886 | 0.158661719 | -5.27402078 | ns |
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| WASF3 | -0.03401999 | -0.02752928 | -1.8498143 | 0.064359886 | 0.165279552 | -5.32087804 | ns |
| CXCL5 | -0.04694814 | -0.08330736 | -1.84912695 | 0.064458825 | 0.165279552 | -5.32679571 | ns |
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| HEG1 | -0.01017498 | -0.03468438 | -1.84770928 | 0.064663898 | 0.165630334 | -5.32484277 | ns |
| TBL1X | -0.03497462 | -0.04315182 | -1.84722411 | 0.064734291 | 0.16566532 | -5.32476184 | ns |
| OGFR | -0.01352606 | 0.002892987 | -1.84605815 | 0.064903069 | 0.165866915 | -5.33384312 | ns |
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| SELL | -0.00857782 | 0.010235057 | -1.83840996 | 0.066021147 | 0.167490661 | -5.35423015 | ns |
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| CHMP6 | -0.01997828 | -0.00209713 | -1.72517322 | 0.084516209 | 0.194780844 | -5.55472269 | ns |
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| CEBPA | -0.01365628 | 0.048671643 | -1.71800745 | 0.085815845 | 0.196535112 | -5.55192389 | ns |
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| GSTA3 | -0.02983747 | 0.061480986 | -1.71212882 | 0.086893542 | 0.198414895 | -5.56326039 | ns |

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| FASLG | 0.013754636 | 0.042671887 | 1.673189795 | 0.094310076 | 0.210861732 | -5.64325058 | ns |
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| CCL11 | -0.01315062 | -0.02863414 | -1.55396871 | 0.120212256 | 0.245772746 | -5.83413354 | ns |
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| CHAC2 | 0.018737924 | 0.03139876 | 1.427165954 | 0.153552822 | 0.293399375 | -6.00698638 | ns |
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| SNX9 | -0.01717116 | 0.030647864 | -1.13662254 | 0.255713907 | 0.418827044 | -6.38399668 | ns |
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| DEFB116 | -0.0174663 | 0.196574092 | -1.1316993 | 0.257778873 | 0.42145258 | -6.38300819 | ns |
| CLEC11A | -0.01158222 | -0.03148448 | -1.13038499 | 0.258331719 | 0.4221201 | -6.39239084 | ns |
| GC | 0.005930866 | 0.026826384 | 1.129167873 | 0.258844505 | 0.422721452 | -6.39844548 | ns |
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| CASP8 | -0.01533154 | 0.032287333 | -1.12007628 | 0.262698635 | 0.428297049 | -6.40910774 | ns |
| ARNTL | 0.012074826 | 0.106952634 | 1.118639386 | 0.263311889 | 0.429057319 | -6.39579086 | ns |
| CPLX2 | -0.00700277 | 0.002855245 | -1.11780481 | 0.26366824 | 0.429398361 | -6.39502625 | ns |
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| ACP6 | -0.01674853 | -0.13529999 | -1.11132525 | 0.266445612 | 0.432955586 | -6.41939639 | ns |
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| TYRP1 | 0.013074702 | -0.04533902 | 1.036110352 | 0.300167327 | 0.468720455 | -6.48346093 | ns |
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| CFHR5 | -0.00869585 | -0.05389789 | -1.0354985 | 0.300452595 | 0.468905173 | -6.49152281 | ns |
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| PCDH7 | -0.00723936 | 0.044885238 | -1.0302072 | 0.302928862 | 0.471761215 | -6.50362282 | ns |
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| SCGB2A2 | 0.005959441 | 0.01818387 | 0.935856354 | 0.349362186 | 0.517676577 | -6.58207303 | ns |
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| GGT1 | 0.009901925 | 0.002610699 | 0.925228871 | 0.354861432 | 0.522802916 | -6.60172785 | ns |
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| TCN1 | -0.00626523 | -0.00375252 | -0.90917326 | 0.363273136 | 0.530113722 | -6.60974331 | ns |
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| NAP1L4 | -0.00763692 | -0.02855715 | -0.90327256 | 0.366395358 | 0.533008585 | -6.6240449 | ns |
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| CD248 | -0.00645478 | 0.007250087 | -0.79595401 | 0.426070968 | 0.594707088 | -6.71647297 | ns |
| SMPDL3B | -0.0124255 | 0.164424298 | -0.79404325 | 0.427182449 | 0.595943789 | -6.71755301 | ns |
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| PDE1C | 0.008902996 | 0.090444885 | 0.792965774 | 0.427810286 | 0.595943789 | -6.7029185 | ns |
| DEFB104A_DE | 0.008985394 | 0.097146164 | 0.792608626 | 0.428018352 | 0.595943789 | -6.7067034 | ns |
| TBC1D17 | 0.007739818 | 0.041676135 | 0.792569578 | 0.428041117 | 0.595943789 | -6.7066299 | ns |
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| SSBP1 | -0.00581914 | 0.023045651 | -0.79178765 | 0.428496994 | 0.595943789 | -6.704999 | ns |
| ISM2 | 0.006913613 | 0.006836245 | 0.791628054 | 0.428589711 | 0.595943789 | -6.71988065 | ns |
| CLINT1 | 0.007952828 | 0.025287201 | 0.788826627 | 0.430225792 | 0.59793399 | -6.70616632 | ns |
| NAMPT | -0.00926134 | 0.040595742 | -0.78735951 | 0.431083847 | 0.598785878 | -6.7098279 | ns |
| CLUL1 | 0.007900324 | 0.035076086 | 0.787077208 | 0.43124887 | 0.598785878 | -6.716985 | ns |
| IFNG | -0.019601 | -0.05072172 | -0.78500556 | 0.432462617 | 0.600185762 | -6.71256191 | ns |
| PRKRA | -0.01173498 | 0.022198325 | -0.78279852 | 0.433757758 | 0.601697223 | -6.71338054 | ns |
| FCN2 | 0.007275979 | -0.06413633 | 0.782255091 | 0.434076847 | 0.601790087 | -6.71842424 | ns |
| ATP6V1G2 | -0.01551177 | -0.00683579 | -0.78191876 | 0.434274632 | 0.601790087 | -6.71324785 | ns |
| EIF5A | -0.00518607 | 0.008168778 | -0.78163225 | 0.43444298 | 0.601790087 | -6.7151836 | ns |
| SPESP1 | -0.00473418 | 0.025112008 | -0.78032131 | 0.4352137 | 0.602571837 | -6.72926271 | ns |
| SORD | -0.01174443 | -0.03154459 | -0.77735848 | 0.436959203 | 0.604701836 | -6.73082963 | ns |
| TGM2 | 0.013212968 | 0.029870414 | 0.776729555 | 0.43733037 | 0.604928792 | -6.7244493 | ns |
| MEP1B | 0.020330493 | -0.20000856 | 0.776096181 | 0.437704189 | 0.605114052 | -6.72611728 | ns |
| BTLA | -0.01362361 | 0.116180113 | -0.7758009 | 0.437878764 | 0.605114052 | -6.71627616 | ns |
| IGF2BP3 | 0.007563838 | 0.075782969 | 0.775228966 | 0.438216569 | 0.60529441 | -6.71841542 | ns |
| ANGPTL1 | -0.00491277 | 0.012677382 | -0.77351061 | 0.439232405 | 0.606410696 | -6.71932931 | ns |
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| AMIGO2 | -0.00375732 | -0.01109965 | -0.76681067 | 0.443205927 | 0.610453447 | -6.73277517 | ns |
| AKAP12 | 0.003019953 | 0.01417554 | 0.766315482 | 0.443500552 | 0.610571246 | -6.72704031 | ns |
| NT5C3A | -0.01482578 | -0.05079403 | -0.76570268 | 0.443865008 | 0.610785026 | -6.73636147 | ns |
| TBCC | -0.01383926 | -0.01503337 | -0.76528758 | 0.444112147 | 0.610837243 | -6.73358517 | ns |
| HGFAC | 0.004341681 | -0.02443488 | 0.764488534 | 0.444587956 | 0.611203782 | -6.73491057 | ns |
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| NTF3 | -0.00590161 | 0.011981507 | -0.76168405 | 0.446260306 | 0.612637562 | -6.73940687 | ns |
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| CA9 | 0.007207417 | 0.034974485 | 0.754121668 | 0.450787609 | 0.615956864 | -6.75078966 | ns |
| CADPS | -0.00664831 | 0.059040309 | -0.7536061 | 0.451097519 | 0.616092027 | -6.73629353 | ns |
| SMPD3 | -0.00919191 | 0.115722524 | -0.74853904 | 0.454146794 | 0.619966637 | -6.73804547 | ns |
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| FGFR4 | 0.008005571 | 0.040690262 | 0.743201849 | 0.457371012 | 0.623202685 | -6.74434896 | ns |
| IL1R2 | 0.003161958 | -0.01122243 | 0.740022431 | 0.459297746 | 0.625458525 | -6.75200512 | ns |
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| GBA | -0.00812456 | -0.02220117 | -0.72876216 | 0.466158454 | 0.632634887 | -6.75456325 | ns |
| TMED10 | -0.00758412 | 0.0723704 | -0.72827591 | 0.466456048 | 0.632634887 | -6.7534352 | ns |
| CHRD12 | 0.008691035 | 0.019447355 | 0.727991956 | 0.466629645 | 0.632634887 | -6.76201431 | ns |
| KLRC1 | 0.009024224 | 0.097034294 | 0.727682594 | 0.466819207 | 0.632634887 | -6.75567027 | ns |
| KIF20B | 0.011516558 | 0.062821701 | 0.727561728 | 0.466893213 | 0.632634887 | -6.75575753 | ns |
| STX5 | 0.006098805 | 0.040134448 | 0.726455918 | 0.467570631 | 0.633258925 | -6.75420366 | ns |
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| ACHE | 0.004799198 | 0.032052004 | 0.724942957 | 0.468498226 | 0.633927164 | -6.75764742 | ns |
| MYH4 | 0.00694067 | 0.062714261 | 0.724533087 | 0.468749798 | 0.633973789 | -6.75613265 | ns |
| MTR | -0.00958767 | 0.098553785 | -0.72199362 | 0.47030963 | 0.635506219 | -6.75795493 | ns |
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| BLMH | 0.0049263 | -0.00352135 | 0.715730896 | 0.474168303 | 0.639229661 | -6.77767251 | ns |
| IGF2R | -0.00370733 | -0.01476592 | -0.71532546 | 0.474418824 | 0.63927225 | -6.77376373 | ns |
| CD40LG | -0.01230059 | -0.04097146 | -0.71488601 | 0.474690226 | 0.639342925 | -6.77871077 | ns |
| HMOX1 | 0.007286636 | 0.017567842 | 0.714271893 | 0.475070104 | 0.639559568 | -6.76570983 | ns |
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| APP | -0.01027648 | 0.003109772 | -0.70642159 | 0.479936707 | 0.643441316 | -6.78004465 | ns |
| ADGRF5 | -0.00406884 | -0.02799286 | -0.70579511 | 0.480326179 | 0.643667941 | -6.78421773 | ns |
| DNAJB2 | -0.00803002 | 0.015920004 | -0.70523737 | 0.480673373 | 0.643835308 | -6.77162844 | ns |
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| DCLRE1C | -0.00459407 | 0.012530805 | -0.70242931 | 0.482422353 | 0.644755377 | -6.77007878 | ns |
| PNPT1 | 0.018947305 | 0.41178701 | 0.702364823 | 0.482462499 | 0.644755377 | -6.77353948 | ns |
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| PNLIPRP2 | -0.04625407 | -0.91199875 | -0.69985424 | 0.484028961 | 0.645961867 | -6.78189664 | ns |
| TTN | -0.00958978 | 0.133064876 | -0.69924979 | 0.484406757 | 0.646170732 | -6.77399028 | ns |
| ACTN4 | -0.0048382 | 0.020719715 | -0.69611601 | 0.486366888 | 0.648243761 | -6.77787471 | ns |
| IL25 | 0.004896018 | -0.01733542 | 0.696055596 | 0.486404822 | 0.648243761 | -6.77247099 | ns |
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| MTSS2 | -0.0142007 | -0.01262639 | -0.69454807 | 0.487349012 | 0.648909766 | -6.79104101 | ns |
| IL20RB | 0.00601639 | 0.00850253 | 0.690307298 | 0.490011615 | 0.652019113 | -6.77960939 | ns |
| ENTPD2 | 0.006475091 | -0.0141158 | 0.690117723 | 0.490130806 | 0.652019113 | -6.78110083 | ns |
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| MILR1 | -0.00767548 | 0.004733664 | -0.68844499 | 0.49118317 | 0.65282424 | -6.78314366 | ns |
| GFOD2 | 0.019329778 | 0.48734443 | 0.687193642 | 0.491971304 | 0.653574253 | -6.78309873 | ns |
| RGS8 | -0.00996525 | 0.149895962 | -0.68576776 | 0.492870094 | 0.654470521 | -6.78496882 | ns |
| NTSC | -0.006628 | 0.006153173 | -0.68473468 | 0.493521736 | 0.654664324 | -6.79203657 | ns |
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| TIMP4 | -0.00577139 | -0.00530411 | -0.6840955 | 0.493925179 | 0.654664324 | -6.79544787 | ns |
| LRRN1 | 0.005943447 | 0.029754759 | 0.683760273 | 0.494137044 | 0.654664324 | -6.78633272 | ns |
| NPR1 | 0.005919561 | 0.083365112 | 0.681993416 | 0.495253622 | 0.655846066 | -6.78581435 | ns |
| SMAD3 | -0.00723464 | 0.055930727 | -0.68160712 | 0.49549763 | 0.655871749 | -6.7998774 | ns |
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| THRAP3 | 0.015985918 | 0.382559705 | 0.68010083 | 0.496451093 | 0.65594443 | -6.78709317 | ns |
| CLEC2L | -0.0073163 | 0.095013194 | -0.67828476 | 0.497601544 | 0.656717685 | -6.78979729 | ns |
| S100G | -0.00634664 | 0.06627761 | -0.678212 | 0.497647393 | 0.656717685 | -6.8040923 | ns |
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| TADA3 | -0.00550045 | 0.008539283 | -0.67468395 | 0.499886681 | 0.659290474 | -6.80453647 | ns |
| GUCY2C | 0.011449976 | 0.227597508 | 0.674316451 | 0.500120357 | 0.659300877 | -6.7978704 | ns |
| CDHR2 | -0.0116205 | -0.17423928 | -0.67031126 | 0.50266951 | 0.66236235 | -6.80157994 | ns |
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| EDDM3B | -0.00703427 | 0.185020185 | -0.66889062 | 0.503575246 | 0.662658728 | -6.80839864 | ns |
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| RASGRF1 | 0.006074692 | 0.009859614 | 0.665701309 | 0.505612257 | 0.664707672 | -6.79500524 | ns |
| SLC28A1 | 0.008247381 | 0.097488772 | 0.665329666 | 0.505849874 | 0.664707672 | -6.79525062 | ns |
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| BCHE | -0.00387652 | -0.02785392 | -0.6595844 | 0.509530599 | 0.667786961 | -6.80364486 | ns |
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| IL21R | 0.007182822 | 0.098147031 | 0.656720817 | 0.511370498 | 0.668997246 | -6.80205262 | ns |
| NDUFA5 | 0.00473979 | -0.00320435 | 0.655731447 | 0.512006984 | 0.669529956 | -6.80142672 | ns |
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| LAMB1 | -0.00403616 | -0.02319061 | -0.65178306 | 0.514551063 | 0.672254632 | -6.80664405 | ns |
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| GBP6 | 0.005780997 | 0.046211873 | 0.64658683 | 0.517909256 | 0.675735043 | -6.80915001 | ns |
| CCL24 | 0.011944076 | 0.04480936 | 0.644813774 | 0.519057491 | 0.676692961 | -6.82098566 | ns |
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| EPHX2 | -0.00859464 | 0.095137112 | -0.64436436 | 0.519349001 | 0.676692961 | -6.81230989 | ns |
| MMP13 | -0.0044473 | -0.00648146 | -0.64402285 | 0.519570418 | 0.676692961 | -6.81249538 | ns |
| S100A16 | -0.00881712 | 0.050048385 | -0.64281006 | 0.520357151 | 0.677415462 | -6.81257854 | ns |
| PSMD9 | 0.008145657 | 0.050005513 | 0.642216621 | 0.520742166 | 0.677614583 | -6.81987504 | ns |
| MYLPF | 0.006227524 | 0.075472313 | 0.641687545 | 0.521085808 | 0.677759715 | -6.81376196 | ns |
| IL6ST | -0.00244503 | -0.00855254 | -0.64117256 | 0.521420176 | 0.677838686 | -6.82099055 | ns |
| GMPT | -0.00710245 | -0.0478651 | -0.64044222 | 0.52189459 | 0.677838686 | -6.82877496 | ns |
| COL5A1 | -0.00500877 | 0.026862329 | -0.640417 | 0.521911223 | 0.677838686 | -6.81490028 | ns |
| SH3BGR2 | -0.00812257 | 0.113726286 | -0.64016499 | 0.52207507 | 0.677838686 | -6.8150575 | ns |
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| RNF168 | 0.005438437 | 0.034100253 | 0.636780843 | 0.524277301 | 0.679894463 | -6.81484751 | ns |
| ACYP1 | -0.00874376 | -0.00051881 | -0.63648374 | 0.524470842 | 0.679894463 | -6.81526474 | ns |
| RELB | 0.006400675 | 0.077298736 | 0.636301209 | 0.524589803 | 0.679894463 | -6.81515042 | ns |
| CA14 | 0.005042356 | 0.057241502 | 0.634938221 | 0.525478068 | 0.680743548 | -6.83293729 | ns |
| MFAP3L | 0.00872634 | 0.15983596 | 0.634212459 | 0.525951776 | 0.681055071 | -6.81849339 | ns |
| CRYGD | 0.012536367 | -4.33E-05 | 0.633825317 | 0.526204182 | 0.681079881 | -6.83200142 | ns |
| IL5 | 0.020218187 | 0.307193057 | 0.632355428 | 0.527164222 | 0.681789676 | -6.81989554 | ns |
| CCNE1 | -0.01245853 | 0.258550342 | -0.63166341 | 0.527616444 | 0.681789676 | -6.81806761 | ns |
| DKK1 | -0.00826171 | -0.04478916 | -0.6311563 | 0.527947634 | 0.681789676 | -6.83467158 | ns |
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| RGS10 | -0.00770937 | 0.050055733 | -0.63059433 | 0.528315093 | 0.681789676 | -6.83501654 | ns |
| HBZ | -0.01373488 | 0.091404729 | -0.63051295 | 0.528368336 | 0.681789676 | -6.83413459 | ns |
| MYBPC2 | 0.010625325 | 0.18236127 | 0.630484802 | 0.528386999 | 0.681789676 | -6.82019213 | ns |
| ENSA | -0.00665948 | 0.040915338 | -0.62823933 | 0.529856453 | 0.683383764 | -6.83456243 | ns |
| MMUT | -0.00651019 | 0.052119822 | -0.62690128 | 0.530733471 | 0.68361494 | -6.82158633 | ns |
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| RNF31 | -0.00471447 | 0.023818947 | -0.62653721 | 0.530972152 | 0.68361494 | -6.82126718 | ns |

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| FEN1 | -0.00890307 | 0.090077812 | -0.62567843 | 0.531535377 | 0.683871189 | -6.82316318 | ns |
| TXK | -0.00979229 | 0.224679134 | -0.62551937 | 0.531639589 | 0.683871189 | -6.82933906 | ns |
| IL18RAP | 0.023989888 | 0.437480727 | 0.624982305 | 0.531992066 | 0.684023264 | -6.82741769 | ns |
| NAAA | -0.00818266 | 0.052243935 | -0.62398333 | 0.532647915 | 0.684565102 | -6.82851287 | ns |
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| NMNAT1 | -0.01013983 | 0.037024758 | -0.61567588 | 0.538117639 | 0.6898054 | -6.83609056 | ns |
| ACRBP | -0.00482686 | 0.029913228 | -0.61563774 | 0.538142706 | 0.6898054 | -6.84234005 | ns |
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| ERBB3 | 0.002585764 | 0.004432797 | 0.613100415 | 0.539819078 | 0.690741326 | -6.83701698 | ns |
| AAMDC | -0.00668536 | 0.012003783 | -0.61207229 | 0.540499159 | 0.691308605 | -6.83154185 | ns |
| NME1 | -0.00266657 | 0.006782124 | -0.61135797 | 0.540971864 | 0.691610264 | -6.83058856 | ns |
| ALDH2 | -0.00658544 | 0.109272298 | -0.61074031 | 0.541380502 | 0.691829788 | -6.84532019 | ns |
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| TLR4 | -0.00354299 | 0.003920223 | -0.60682683 | 0.543975005 | 0.693627517 | -6.83332677 | ns |
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| ATP1B3 | -0.00496418 | 0.053492184 | -0.60501383 | 0.545178937 | 0.69454141 | -6.83496232 | ns |
| IMPG1 | -0.00391309 | 0.031766187 | -0.60437778 | 0.545601602 | 0.69454141 | -6.83715281 | ns |
| TG | 0.013696995 | 0.198544512 | 0.60431494 | 0.545643149 | 0.69454141 | -6.849194 | ns |
| IL9 | -0.00699882 | 0.088876583 | -0.60344747 | 0.546220017 | 0.694963675 | -6.84279696 | ns |
| BCAM | -0.00312677 | 0.002000712 | -0.60310027 | 0.546450889 | 0.694963675 | -6.84717621 | ns |
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| HRAS | 0.011839759 | 0.270112446 | 0.598243738 | 0.549686202 | 0.697862482 | -6.84489475 | ns |
| PCARE | -0.01028578 | 0.190017493 | -0.59718591 | 0.550392231 | 0.698455156 | -6.84143978 | ns |
| PGR | -0.01279153 | 0.317079291 | -0.59255908 | 0.553485183 | 0.701977871 | -6.84181587 | ns |
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| SDK2 | 0.004534324 | 0.019304664 | 0.582463981 | 0.560262867 | 0.708313171 | -6.85005817 | ns |
| FBN2 | -0.00710844 | -0.03299428 | -0.58200238 | 0.560573759 | 0.708313171 | -6.84999445 | ns |
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| PPY | 0.012875471 | 0.035545384 | 0.577248124 | 0.563780284 | 0.711425424 | -6.86309594 | ns |
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| AZU1 | -0.00977643 | 0.066564546 | -0.57223172 | 0.56717372 | 0.714164408 | -6.84526034 | ns |
| MN1 | 0.006879232 | 0.082549626 | 0.571512684 | 0.567660662 | 0.714469454 | -6.85599716 | ns |
| IL32 | 0.005147085 | 0.009635475 | 0.57065602 | 0.568241193 | 0.714891979 | -6.86568641 | ns |
| CASP10 | -0.00910461 | -0.00639692 | -0.56982534 | 0.568804664 | 0.715292687 | -6.85717565 | ns |
| RBP7 | -0.00717778 | 0.042330818 | -0.56889117 | 0.569438263 | 0.7157812 | -6.86964518 | ns |
| SOX9 | -0.00310204 | -0.01590623 | -0.56763403 | 0.570291926 | 0.716249513 | -6.85818907 | ns |
| KYAT1 | -0.00704204 | 0.009767978 | -0.56761993 | 0.57030141 | 0.716249513 | -6.86416846 | ns |
| TMCO5A | -0.00637469 | 0.040031296 | -0.56677651 | 0.570874446 | 0.716660956 | -6.85867166 | ns |
| FKBPL | -0.00686814 | 0.027985797 | -0.56521529 | 0.57193554 | 0.717684476 | -6.8717137 | ns |
| NID1 | -0.00471922 | -0.02001742 | -0.56474448 | 0.572255862 | 0.717777972 | -6.86647541 | ns |
| CCN2 | 0.007195177 | -0.01454191 | 0.559585109 | 0.575770647 | 0.721699012 | -6.87003316 | ns |
| HDAC8 | -0.00723738 | 0.127582516 | -0.55909708 | 0.576103792 | 0.721699012 | -6.86093298 | ns |
| BTNL10 | 0.004513041 | 0.049262722 | 0.559068326 | 0.576123424 | 0.721699012 | -6.85979171 | ns |
| PDGFA | -0.00881606 | -0.04660387 | -0.55791431 | 0.576910954 | 0.722303874 | -6.87740894 | ns |
| MRPL52 | -0.00291425 | -0.00228687 | -0.55716156 | 0.577425367 | 0.722303874 | -6.85946303 | ns |
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| LILRA3 | 0.015892623 | -0.39521281 | 0.556907754 | 0.577598506 | 0.722303874 | -6.87693768 | ns |
| SERPINI1 | 0.00341743 | 0.028351068 | 0.556241464 | 0.578054033 | 0.722303874 | -6.86382525 | ns |
| RANBP1 | -0.0061106 | 0.010970865 | -0.55618819 | 0.578090464 | 0.722303874 | -6.86392991 | ns |
| KCNH2 | 0.008612623 | 0.214804303 | 0.55457972 | 0.579190369 | 0.723160349 | -6.86545668 | ns |
| DMP1 | 0.006831349 | 0.010928345 | 0.554461527 | 0.579271252 | 0.723160349 | -6.86488126 | ns |
| KIAA1549 | 0.007803933 | -0.01014461 | 0.553595748 | 0.579863644 | 0.72359053 | -6.87141423 | ns |
| FES | -0.00576083 | 0.018532069 | -0.55212746 | 0.580869234 | 0.724535738 | -6.86613846 | ns |
| PRR5 | -0.00533073 | 0.03743917 | -0.55117951 | 0.581518814 | 0.725036267 | -6.86529384 | ns |
| ADAMTSL4 | -0.00264758 | 0.001425792 | -0.55060085 | 0.58191548 | 0.725221171 | -6.86699771 | ns |
| LPO | 0.007258495 | -0.00400836 | 0.54848317 | 0.583368413 | 0.726721743 | -6.86160047 | ns |
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| IL34 | -0.00420618 | -0.02777598 | -0.54661777 | 0.584649467 | 0.727328055 | -6.86933773 | ns |
| H2AP | -0.00583311 | 0.062393304 | -0.54636022 | 0.584826465 | 0.727328055 | -6.86676041 | ns |
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| CD5L | -0.00513152 | 0.013826106 | -0.54259892 | 0.587413838 | 0.729272282 | -6.88147464 | ns |
| DLGAP5 | -0.00584745 | 0.113455707 | -0.5421823 | 0.587700708 | 0.729318346 | -6.88646641 | ns |
| CPQ | -0.00389301 | -0.01981516 | -0.54124651 | 0.588345487 | 0.729808336 | -6.88472874 | ns |
| ARNT | -0.00442959 | 0.047674603 | -0.53940582 | 0.589614819 | 0.731045609 | -6.87392735 | ns |
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| CEACAM18 | -0.00727577 | 0.137896503 | -0.52986804 | 0.596211135 | 0.737997675 | -6.88416892 | ns |
| C1QTNF9 | 0.005314369 | -0.03522758 | 0.528933544 | 0.596859313 | 0.738486946 | -6.87881718 | ns |
| HS6ST1 | -0.00380105 | 0.001433456 | -0.52695889 | 0.598229668 | 0.739868967 | -6.89519175 | ns |
| BHLHE40 | -0.00764346 | 0.084472553 | -0.52553657 | 0.599217968 | 0.740777505 | -6.88134678 | ns |
| MYOC | -0.00531378 | -0.01576526 | -0.52484582 | 0.599697944 | 0.740995618 | -6.89097121 | ns |
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| HSD17B14 | -0.00657665 | -0.01463328 | -0.52301181 | 0.600973514 | 0.742005353 | -6.89561008 | ns |
| PDE4D | 0.00649103 | 0.136357609 | 0.520993438 | 0.602379017 | 0.743168419 | -6.88189526 | ns |
| AHSA1 | -0.00720248 | 0.104091082 | -0.5209278 | 0.602424537 | 0.743168419 | -6.89575164 | ns |
| ELAVL4 | -0.00901824 | 0.071513876 | -0.51961138 | 0.603342089 | 0.743986022 | -6.88441895 | ns |
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| SERPINC1 | -0.00155968 | 0.002459017 | -0.51757004 | 0.604765698 | 0.744797908 | -6.89653855 | ns |
| GHR | -0.00329653 | -0.02835094 | -0.51714827 | 0.605060214 | 0.744846469 | -6.88568867 | ns |
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| GLI2 | -0.00353092 | 0.027447968 | -0.51416228 | 0.607146095 | 0.746422018 | -6.88485713 | ns |
| CPOX | 0.002766516 | 0.008684269 | 0.513818157 | 0.607386683 | 0.746422018 | -6.88503262 | ns |
| PRKAG3 | -0.00343188 | 0.025996868 | -0.51327113 | 0.607769175 | 0.746422018 | -6.88734003 | ns |
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| TXNL1 | -0.01047112 | 0.30466603 | -0.50606997 | 0.612814944 | 0.750479571 | -6.89049526 | ns |
| TPMT | 0.008050233 | 0.073347866 | 0.505838671 | 0.612977321 | 0.750479571 | -6.89043286 | ns |
| PTH1R | 0.004247363 | 0.036501877 | 0.504500258 | 0.613917125 | 0.751315174 | -6.90097747 | ns |
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| RAP1A | 0.006922742 | 0.117862017 | 0.501988324 | 0.615683085 | 0.752205374 | -6.8909939 | ns |
| GKN1 | -0.00300689 | -0.02270903 | -0.50176212 | 0.615842221 | 0.752205374 | -6.89174226 | ns |
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| FUT3_FUT5 | -0.00494636 | -0.02595265 | -0.50030951 | 0.616864261 | 0.752796684 | -6.9081336 | ns |
| CDH4 | -0.00483617 | 0.042352424 | -0.4999174 | 0.617140536 | 0.752796684 | -6.89437986 | ns |
| CD6 | 0.00587847 | -0.03912866 | 0.499796783 | 0.617225267 | 0.752796684 | -6.90769335 | ns |
| CELA3A | 0.006145886 | 0.035984228 | 0.499480576 | 0.617447965 | 0.752796684 | -6.90690021 | ns |
| CD209 | 0.004268818 | 0.0383518 | 0.497035316 | 0.619171249 | 0.754582657 | -6.90495438 | ns |
| RLN1 | 0.007332901 | 0.178978 | 0.49608733 | 0.619839822 | 0.754989885 | -6.91021422 | ns |
| NINJ1 | -0.0062425 | 0.09235126 | -0.49564169 | 0.620154475 | 0.754989885 | -6.89549896 | ns |
| SMC3 | 0.005582961 | 0.048593028 | 0.495448613 | 0.620290734 | 0.754989885 | -6.89307195 | ns |
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| RPS10 | 0.003984711 | 0.03458539 | 0.491801167 | 0.622867093 | 0.757190637 | -6.89656232 | ns |
| PTK7 | -0.00400701 | -0.0118655 | -0.48874818 | 0.625027101 | 0.759463662 | -6.89975355 | ns |
| DARS1 | -0.00793329 | -0.04285026 | -0.48836602 | 0.625297634 | 0.759463662 | -6.90452369 | ns |
| ECE1 | 0.003753912 | -0.01220863 | 0.488056166 | 0.62551716 | 0.759463662 | -6.90008889 | ns |
| GPR101 | 0.006088221 | 0.112691005 | 0.487213158 | 0.626114365 | 0.759872795 | -6.90060128 | ns |
| KLF4 | -0.00412185 | 0.003301661 | -0.48482203 | 0.627809635 | 0.760907071 | -6.90175434 | ns |
| SHPK | -0.00417608 | 0.068751513 | -0.48467174 | 0.627916171 | 0.760907071 | -6.90691847 | ns |
| APRT | -0.00516053 | -0.04580861 | -0.48462456 | 0.62794964 | 0.760907071 | -6.90763184 | ns |
| ADAM15 | -0.0032312 | 0.009517776 | -0.48435766 | 0.628139103 | 0.760907071 | -6.90190592 | ns |
| ECSCR | -0.0051593 | 0.102597749 | -0.48417388 | 0.628269503 | 0.760907071 | -6.90206592 | ns |
| PODXL | -0.00160357 | -0.00496073 | -0.48344982 | 0.628783302 | 0.761177319 | -6.90854475 | ns |
| CD200 | -0.00277859 | 0.016014069 | -0.4829193 | 0.629159928 | 0.761177319 | -6.91155049 | ns |
| CSNK1D | -0.00630053 | 0.102801037 | -0.4827579 | 0.629274674 | 0.761177319 | -6.90038818 | ns |
| ANXA2 | -0.00707498 | 0.022895266 | -0.48105231 | 0.630486406 | 0.761854504 | -6.89541147 | ns |
| TERF1 | -0.00279769 | 0.013963673 | -0.48067763 | 0.63075263 | 0.761854504 | -6.90138242 | ns |
| WIF1 | -0.00362491 | 0.005403827 | -0.48060956 | 0.630800791 | 0.761854504 | -6.91836477 | ns |
| MEGF9 | 0.002208763 | -0.00403363 | 0.480500788 | 0.630878147 | 0.761854504 | -6.9151895 | ns |
| NID2 | -0.00788586 | 0.02735187 | -0.47914436 | 0.631842754 | 0.762703944 | -6.91373731 | ns |
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| FGF6 | -0.00388889 | 0.044644467 | -0.47626511 | 0.633892439 | 0.763406439 | -6.90347713 | ns |
| PDIA3 | -0.00251578 | -0.00153876 | -0.47612336 | 0.633993361 | 0.763406439 | -6.90590405 | ns |
| FUCA1 | -0.00868033 | -0.2108768 | -0.47513886 | 0.634694721 | 0.763935938 | -6.9176663 | ns |
| EDF1 | -0.00671278 | 0.083597385 | -0.46944097 | 0.638761061 | 0.768257882 | -6.92298049 | ns |
| ABHD14B | -0.00588016 | 0.007687654 | -0.4693703 | 0.638811691 | 0.768257882 | -6.91354977 | ns |
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| SCN3A | 0.003534352 | 0.037731567 | 0.465418529 | 0.641638473 | 0.771022362 | -6.91057355 | ns |
| NEO1 | -0.00211756 | 0.00300611 | -0.46442875 | 0.642347108 | 0.771556378 | -6.9253031 | ns |
| LRP2BP | -0.00791571 | 0.218250407 | -0.46142269 | 0.644502014 | 0.773826431 | -6.91241084 | ns |
| TNFSF14 | -0.00597571 | -0.01293491 | -0.46004054 | 0.645493675 | 0.774698533 | -6.91915409 | ns |
| TMOD4 | 0.003824667 | -0.0037945 | 0.459481251 | 0.645895261 | 0.774862023 | -6.91011011 | ns |
| MANEAL | 0.00480149 | -0.01158438 | 0.457688629 | 0.647182777 | 0.775588348 | -6.91092572 | ns |
| SERPINF2 | -0.00128376 | 0.00282687 | -0.45758244 | 0.64725901 | 0.775588348 | -6.91735633 | ns |
| CASQ2 | 0.004517197 | 0.063475369 | 0.457528916 | 0.647297536 | 0.775588348 | -6.91270272 | ns |
| DNLZ | 0.008521474 | 0.235143263 | 0.454336952 | 0.649592864 | 0.778019345 | -6.91595778 | ns |
| IL2RB | -0.00372234 | 0.031361709 | -0.45392914 | 0.649886354 | 0.778051723 | -6.91604936 | ns |
| TPT1 | -0.00658693 | 0.091322776 | -0.45320613 | 0.650406825 | 0.778355709 | -6.91637473 | ns |
| PRKCQ | -0.00432761 | 0.043364403 | -0.45160852 | 0.651557511 | 0.778955559 | -6.91709186 | ns |
| VAMP5 | -0.00529763 | 0.07240875 | -0.45125513 | 0.651812172 | 0.778955559 | -6.91727062 | ns |
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| GSR | -0.002054 | -0.00752614 | -0.44843358 | 0.653846629 | 0.780872048 | -6.92714872 | ns |
| GLRX | 0.005721075 | 0.00327093 | 0.447567876 | 0.654471457 | 0.781298714 | -6.92326633 | ns |
| PLCB1 | -0.00417317 | 0.069120084 | -0.44657863 | 0.65518576 | 0.781715889 | -6.91706771 | ns |
| TJP3 | -0.00383215 | 0.033083203 | -0.44634241 | 0.655356334 | 0.781715889 | -6.91952995 | ns |
| TMEM25 | -0.00402534 | 0.030939852 | -0.44537741 | 0.656053245 | 0.782189986 | -6.93390385 | ns |
| CPA1 | -0.00572289 | 0.018610704 | -0.4450504 | 0.656289543 | 0.782189986 | -6.93357809 | ns |
| SERPINE2 | -0.0058127 | 0.019631934 | -0.44356895 | 0.657360458 | 0.78265936 | -6.93376727 | ns |
| DENND2B | 0.004532377 | 0.084360074 | 0.443520647 | 0.657395572 | 0.78265936 | -6.91896437 | ns |
| SIRT1 | -0.00811199 | 0.197516286 | -0.44339357 | 0.657487469 | 0.78265936 | -6.91847391 | ns |
| ITPRIP | -0.00420934 | 0.085454469 | -0.4424731 | 0.658153235 | 0.782949781 | -6.92123608 | ns |
| PF4 | -0.00875782 | -0.05642136 | -0.44231471 | 0.658267709 | 0.782949781 | -6.93005911 | ns |
| RAB39B | -0.00827721 | 0.211991087 | -0.43992036 | 0.660001113 | 0.783859185 | -6.92054223 | ns |
| NCLN | -0.00526502 | 0.102801357 | -0.4397372 | 0.660133747 | 0.783859185 | -6.92234129 | ns |
| TNPO1 | -0.00322675 | 0.009632085 | -0.43969533 | 0.660164011 | 0.783859185 | -6.92754524 | ns |
| CRTAM | -0.00484668 | -0.01534863 | -0.43953593 | 0.660279473 | 0.783859185 | -6.92830567 | ns |
| PPM1A | -0.00304723 | 0.023008063 | -0.43940486 | 0.660374519 | 0.783859185 | -6.92158538 | ns |
| BOLA2_BOLA2 | 0.005034145 | -0.02938422 | 0.436815852 | 0.662251157 | 0.785427419 | -6.92273492 | ns |
| SEZ6L2 | 0.002232916 | 0.005849029 | 0.436501906 | 0.662478777 | 0.785427419 | -6.92997318 | ns |
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| SERPINA12 | -0.01057449 | 0.197030936 | -0.4359229 | 0.662898991 | 0.78557835 | -6.91737923 | ns |
| DPEP2 | -0.00247311 | -0.00543528 | -0.43515114 | 0.663458864 | 0.785922873 | -6.93055734 | ns |
| MTHFD2 | 0.002275837 | 0.013441766 | 0.433840754 | 0.664410123 | 0.786516281 | -6.93794739 | ns |

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| PKLR | -0.0064639 | 0.06966314 | -0.43297746 | 0.665037226 | 0.786516281 | -6.93361112 | ns |
| MRI1 | 0.006057948 | -0.07440542 | 0.432331176 | 0.665506899 | 0.786753095 | -6.92530965 | ns |
| ICAM4 | -0.00510919 | -0.0441496 | -0.43137037 | 0.666205153 | 0.787259833 | -6.93493516 | ns |
| PPIE | -0.00540065 | 0.125400629 | -0.42944422 | 0.667606041 | 0.788596133 | -6.93196565 | ns |
| JMJD1C | 0.005038693 | 0.054007275 | 0.428193594 | 0.668516318 | 0.789200767 | -6.92388762 | ns |
| PVR | -0.0033437 | -0.01870719 | -0.42799809 | 0.668658458 | 0.789200767 | -6.9414425 | ns |
| SMARCA2 | -0.00600315 | 0.053405972 | -0.42741634 | 0.669082216 | 0.789381847 | -6.92762927 | ns |
| HS3ST3B1 | 0.003503788 | -0.00308259 | 0.426390224 | 0.669829523 | 0.789944349 | -6.9343022 | ns |
| NPL | 0.003884801 | -0.04347188 | 0.42432244 | 0.671336569 | 0.791402012 | -6.94205572 | ns |
| ACSL1 | 0.003214402 | 0.04898679 | 0.422112132 | 0.67294921 | 0.792982927 | -6.92815776 | ns |
| NAGK | -0.00493815 | 0.008383735 | -0.42145722 | 0.673427265 | 0.793226145 | -6.92814531 | ns |
| MORC3 | -0.00240216 | 0.020092046 | -0.42046798 | 0.674149445 | 0.793481178 | -6.9436162 | ns |
| NTRK2 | 0.002336834 | -0.00515125 | 0.420250287 | 0.674308521 | 0.793481178 | -6.93733287 | ns |
| PKD1 | 0.002207241 | -0.01444359 | 0.420044187 | 0.674459001 | 0.793481178 | -6.9438482 | ns |
| OMP | -0.00418906 | 0.061522709 | -0.41959409 | 0.674787986 | 0.793548498 | -6.93102076 | ns |
| NUDT10 | 0.002074484 | 0.022348909 | 0.419067001 | 0.675173136 | 0.793681786 | -6.93027101 | ns |
| TMED4 | -0.00482359 | 0.08490461 | -0.41703868 | 0.676656073 | 0.795104923 | -6.93026979 | ns |
| RUVBL1 | 0.009569929 | 0.285223451 | 0.412400546 | 0.68005174 | 0.798620547 | -6.93299668 | ns |
| EPHA10 | 0.005789068 | 0.094182104 | 0.412205096 | 0.680194966 | 0.798620547 | -6.93396529 | ns |
| GIMAP8 | 0.004324687 | 0.021448399 | 0.411646054 | 0.680604743 | 0.798780487 | -6.93078166 | ns |
| PLG | 0.001873389 | -0.0213721 | 0.411074912 | 0.681023456 | 0.79895078 | -6.93326779 | ns |
| S100A14 | -0.00438837 | 0.084926831 | -0.4102483 | 0.681629477 | 0.799340592 | -6.94881851 | ns |
| IGBP1 | -0.00516978 | 0.021935775 | -0.40814851 | 0.683170279 | 0.800825859 | -6.94967122 | ns |
| DUSP29 | -0.00539017 | 0.098036284 | -0.40544668 | 0.685154945 | 0.802830031 | -6.93648335 | ns |
| ALDH5A1 | -0.00382891 | 0.044616667 | -0.40223815 | 0.687514307 | 0.805271471 | -6.95204789 | ns |
| GH1 | 0.016319706 | 0.313304763 | 0.401808919 | 0.687830276 | 0.805318527 | -6.94425001 | ns |
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| MDM1 | -0.00259841 | 0.006545231 | -0.40094483 | 0.68846641 | 0.805398489 | -6.9382843 | ns |
| MYOM2 | 0.004070483 | 0.048417307 | 0.400592262 | 0.688726037 | 0.805398489 | -6.9369407 | ns |
| POLR2A | -0.00242628 | 0.012630235 | -0.39847837 | 0.690283261 | 0.806896366 | -6.93723212 | ns |
| SOX2 | 0.001894798 | -0.00078117 | 0.397730146 | 0.690834595 | 0.807067134 | -6.95250311 | ns |
| SIGLEC15 | 0.006958677 | 0.215549695 | 0.397530222 | 0.690982135 | 0.807067134 | -6.93986031 | ns |
| TAP1 | -0.00483623 | 0.077547711 | -0.39642464 | 0.691797333 | 0.807696206 | -6.94549528 | ns |
| CTSF | 0.003479386 | -0.00066035 | 0.395141574 | 0.692743869 | 0.808357784 | -6.95156742 | ns |
| IL20RA | -0.00394952 | 0.052029597 | -0.39490626 | 0.692917648 | 0.808357784 | -6.94090423 | ns |
| FHIP2A | 0.003876686 | 0.014918149 | 0.39414925 | 0.693476442 | 0.80852427 | -6.93948092 | ns |
| PPME1 | -0.00535614 | -0.01763579 | -0.3939626 | 0.693614142 | 0.80852427 | -6.94750075 | ns |
| NFKB2 | 0.00461476 | 0.103181734 | 0.392853204 | 0.694433391 | 0.808931999 | -6.94689382 | ns |
| MAGEA3 | 0.006747988 | -0.08175182 | 0.392714585 | 0.69453578 | 0.808931999 | -6.94694785 | ns |
| AMIGO1 | -0.00413987 | 0.071392548 | -0.39202278 | 0.695046908 | 0.808931999 | -6.94179414 | ns |
| CSPG5 | -0.00394949 | 0.057561548 | -0.39198877 | 0.69507205 | 0.808931999 | -6.94213537 | ns |
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| CAMLG | 0.004360631 | 0.086588549 | 0.389314651 | 0.697048884 | 0.810280429 | -6.94284386 | ns |
| TF | -0.00173663 | -0.00701648 | -0.38929516 | 0.697063164 | 0.810280429 | -6.95588822 | ns |
| NRTN | -0.00420878 | -0.00696535 | -0.38651252 | 0.699122576 | 0.812350944 | -6.94415815 | ns |
| LACRT | -0.00391067 | 0.134445009 | -0.38340748 | 0.701422942 | 0.814699678 | -6.95657938 | ns |
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| IMPACT | -0.00442694 | -0.00900124 | -0.37815709 | 0.705319075 | 0.816571363 | -6.96038305 | ns |
| PRDX2 | 0.004971645 | 0.061656396 | 0.377968286 | 0.705459431 | 0.816571363 | -6.95131768 | ns |
| RABGAP1L | 0.005022938 | 0.039207529 | 0.377960609 | 0.705465167 | 0.816571363 | -6.9474015 | ns |
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| JCHAIN | 0.005140767 | -0.03091229 | 0.377822116 | 0.705568052 | 0.816571363 | -6.94745343 | ns |
| DNAJC9 | -0.00602611 | -0.0158368 | -0.37746821 | 0.705830864 | 0.816571363 | -6.9595322 | ns |
| EZR | -0.00203022 | -0.02376248 | -0.37141083 | 0.710336631 | 0.821458599 | -6.9638891 | ns |
| ITGB6 | -0.00245673 | -0.00077488 | -0.36909328 | 0.712063373 | 0.823129473 | -6.95068785 | ns |
| IGLON5 | -0.00694142 | 0.259901331 | -0.36843806 | 0.712551812 | 0.823368141 | -6.94750221 | ns |
| DUSP3 | -0.00697472 | 0.133040328 | -0.36787819 | 0.712969229 | 0.823524585 | -6.95111974 | ns |
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| PYY | -0.00720176 | 0.091013097 | -0.36669745 | 0.713849867 | 0.823889965 | -6.94984247 | ns |
| GJA8 | -0.00451913 | 0.059133844 | -0.36507781 | 0.715058463 | 0.824667675 | -6.94872493 | ns |
| COL3A1 | 0.00169873 | -0.00211634 | 0.364641561 | 0.715383966 | 0.824667675 | -6.96485465 | ns |

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| IL17F | -0.00627839 | 0.155523911 | -0.36435372 | 0.715598986 | 0.824667675 | -6.9524124 | ns |
| EBI3_IL27 | -0.00242046 | 0.003729888 | -0.36411998 | 0.715773385 | 0.824667675 | -6.96642549 | ns |
| YOD1 | 0.004811042 | 0.005495756 | 0.363891834 | 0.715943901 | 0.824667675 | -6.95085933 | ns |
| SFRP1 | -0.0034167 | -0.05033451 | -0.36349739 | 0.716238418 | 0.824667675 | -6.95597863 | ns |
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| PNMA1 | -0.00414703 | 0.061157013 | -0.36252705 | 0.716963298 | 0.824667675 | -6.95219397 | ns |
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| NEK7 | -0.00551399 | 0.112703258 | -0.35971172 | 0.719067703 | 0.826150862 | -6.9592681 | ns |
| SATB1 | 0.00224607 | 0.036292245 | 0.359529458 | 0.719203935 | 0.826150862 | -6.96819155 | ns |
| STC2 | -0.00202907 | -0.00342332 | -0.35891347 | 0.719664749 | 0.826355119 | -6.96373169 | ns |
| RBP1 | -0.00521098 | 0.140594665 | -0.3580434 | 0.720315833 | 0.826777607 | -6.95443807 | ns |
| CPA2 | -0.00505407 | 0.031789948 | -0.35617255 | 0.721716218 | 0.827812552 | -6.96691371 | ns |
| EXO2 | 0.00367826 | 0.098420301 | 0.35608153 | 0.721784506 | 0.827812552 | -6.95364893 | ns |
| ENDOU | -0.0037922 | 0.032050028 | -0.35539492 | 0.722298971 | 0.828077345 | -6.93330132 | ns |
| CLEC12A | -0.00140119 | -0.00314861 | -0.35297407 | 0.724112826 | 0.829698499 | -6.9541953 | ns |
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| PTPRB | -0.00208257 | -0.0190152 | -0.34889555 | 0.72717247 | 0.831996303 | -6.97099483 | ns |
| LY75 | 0.003009886 | -0.02239787 | 0.348556723 | 0.727426904 | 0.831996303 | -6.966982 | ns |
| MUC2 | 0.00656326 | 0.023005902 | 0.347075817 | 0.728539078 | 0.832942094 | -6.97105802 | ns |
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| KCNC4 | 0.0040067 | 0.109911548 | 0.345634585 | 0.729622173 | 0.833527678 | -6.959098 | ns |
| FGF20 | 0.003047503 | 0.08274584 | 0.343649877 | 0.731114416 | 0.834665687 | -6.95741758 | ns |
| MME | 0.006003925 | 0.083099284 | 0.343549261 | 0.731190009 | 0.834665687 | -6.96594775 | ns |
| ITGB2 | 0.002143919 | 0.001628109 | 0.342939175 | 0.731648973 | 0.834863229 | -6.9624175 | ns |
| CLEC4C | -0.00348094 | -0.00674288 | -0.34051958 | 0.733469944 | 0.836279507 | -6.96972989 | ns |
| RICTOR | 0.003393106 | 0.077930817 | 0.340218368 | 0.73369684 | 0.836279507 | -6.95858174 | ns |
| FLT3 | 0.002331292 | 0.013453869 | 0.340148633 | 0.733749348 | 0.836279507 | -6.95997077 | ns |
| APLP1 | -0.00378195 | 0.060587433 | -0.33948455 | 0.734249394 | 0.836387226 | -6.96777697 | ns |
| MLLT1 | -0.00474403 | 0.080641185 | -0.33891149 | 0.734681145 | 0.836387226 | -6.957863 | ns |
| CORO6 | -0.00254746 | 0.031450729 | -0.33888224 | 0.734703163 | 0.836387226 | -6.96139103 | ns |
| HEBP1 | 0.003898252 | 0.021654101 | 0.337547619 | 0.735708824 | 0.837205676 | -6.96176714 | ns |
| VEGFC | -0.0040768 | -0.02186157 | -0.33621029 | 0.736716865 | 0.838026196 | -6.97295265 | ns |
| HAVCR1 | 0.004347042 | -0.07149016 | 0.334787205 | 0.737790143 | 0.838920256 | -6.9767615 | ns |
| TEF | 0.002937656 | 0.016446648 | 0.332343042 | 0.739634876 | 0.840690478 | -6.96175605 | ns |
| VEGFD | 0.002650674 | 0.020503335 | 0.331175538 | 0.740516373 | 0.841127157 | -6.97712637 | ns |
| NECTIN1 | 0.00221865 | 0.008548204 | 0.331071386 | 0.740595179 | 0.841127157 | -6.96162782 | ns |
| STAU1 | -0.00464235 | -0.141479601 | -0.32970017 | 0.741631125 | 0.841976239 | -6.96091821 | ns |
| FCRL3 | 0.00390632 | -0.02485141 | 0.328229946 | 0.742742357 | 0.842201413 | -6.9648242 | ns |
| TOR1AIP1 | -0.0034831 | 0.021777381 | -0.32766685 | 0.743168122 | 0.842201413 | -6.96413012 | ns |
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| PROC | 0.001838576 | -0.0123426 | 0.327553136 | 0.743254034 | 0.842201413 | -6.97258973 | ns |
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| DNPH1 | -0.00376609 | 0.001263057 | -0.32532529 | 0.744939312 | 0.84317883 | -6.97529251 | ns |
| DPEP1 | 0.003539519 | -0.05640025 | 0.325244533 | 0.745000473 | 0.84317883 | -6.9703693 | ns |
| DPP6 | 0.002390384 | 0.021483137 | 0.322713805 | 0.746916407 | 0.845019724 | -6.97283523 | ns |
| AOC3 | -0.00211832 | -0.00902145 | -0.32052915 | 0.748571601 | 0.846283715 | -6.9754484 | ns |
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| UHRF2 | 0.002297544 | 0.026746076 | 0.319959285 | 0.749003642 | 0.846397305 | -6.96576342 | ns |
| RNF4 | 0.004342297 | 0.127070525 | 0.317512238 | 0.750859297 | 0.848166014 | -6.97344706 | ns |
| COL28A1 | 0.0048657 | 0.109267738 | 0.316927909 | 0.751302681 | 0.848338681 | -6.96820569 | ns |
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| REPS1 | 0.00251133 | 0.031770094 | 0.312239592 | 0.754862775 | 0.851370916 | -6.96763772 | ns |
| INSL3 | 0.004698879 | 0.640485637 | 0.310681061 | 0.756047274 | 0.852126446 | -6.9834465 | ns |
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| ERCC1 | -0.00204441 | 0.004867171 | -0.30770714 | 0.75830945 | 0.853609713 | -6.96787243 | ns |
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| EREG | -0.0050601 | 0.055358132 | -0.28616098 | 0.774758722 | 0.865784718 | -6.98222493 | ns |
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| NLGN2 | 0.002449607 | 0.090306197 | 0.244796371 | 0.806617435 | 0.890481251 | -6.98863492 | ns |
| CHIT1 | -0.00819235 | -0.33566846 | -0.24434083 | 0.806970124 | 0.890533924 | -6.99750564 | ns |
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| IGDCC3 | -0.00235488 | 0.07706132 | -0.23962738 | 0.810622398 | 0.893348287 | -6.98987716 | ns |
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| AK1 | 0.003439724 | 0.007444219 | 0.239075672 | 0.811050106 | 0.893348287 | -6.99659979 | ns |
| GLT8D2 | -0.00241632 | 0.061756019 | -0.2385152 | 0.811484772 | 0.89349002 | -6.99003631 | ns |
| PHLDB2 | 0.004525166 | 0.156974196 | 0.237049927 | 0.81262129 | 0.894031202 | -6.98696685 | ns |
| CTSB | -0.00284246 | 0.074758993 | -0.23669604 | 0.812895774 | 0.894031202 | -6.9978609 | ns |
| ATP5F1D | 0.002635634 | 0.04692515 | 0.236548533 | 0.813010275 | 0.894031202 | -6.98879121 | ns |
| SCGB3A2 | 0.004335484 | 0.052983151 | 0.236302641 | 0.813200984 | 0.894031202 | -6.99957859 | ns |
| ARID4B | 0.002154821 | 0.039316032 | 0.233567044 | 0.815324288 | 0.895692459 | -6.99119517 | ns |
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| FCN1 | -0.00263281 | -0.06135624 | -0.22884466 | 0.818992682 | 0.897175101 | -7.00311928 | ns |
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| ADAMTS16 | -0.00157352 | 0.003784119 | -0.22701442 | 0.820415613 | 0.89816596 | -6.9927253 | ns |
| NDRG1 | -0.00348105 | 0.134455926 | -0.22670912 | 0.820653007 | 0.89816596 | -6.99276114 | ns |
| MPRIP | -0.00204596 | -0.02048133 | -0.2246551 | 0.822250571 | 0.899577246 | -7.0047705 | ns |
| HMGCS1 | 0.001994088 | 0.023525376 | 0.222444684 | 0.823970752 | 0.901121571 | -6.99200268 | ns |
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| SHH | 0.001965324 | 0.006178161 | 0.220223749 | 0.825699892 | 0.902243856 | -6.99194338 | ns |
| ARHGAP30 | 0.001824837 | 0.08474333 | 0.219574033 | 0.826205852 | 0.902243856 | -6.99954475 | ns |
| CFHR4 | 0.003263859 | -0.10948649 | 0.219539256 | 0.826232901 | 0.902243856 | -7.00633365 | ns |
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| DCUN1D2 | 0.003586404 | 0.144878423 | 0.215989591 | 0.828998794 | 0.904587622 | -6.99169999 | ns |
| BSND | -0.00153307 | 0.025292972 | -0.21505472 | 0.829727574 | 0.904716374 | -6.9918999 | ns |
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| FAM171A2 | 0.006867275 | 0.39026599 | 0.210871935 | 0.832989972 | 0.907247564 | -7.01026736 | ns |
| CHRM1 | -0.00160219 | 0.020869204 | -0.20937976 | 0.834154614 | 0.907903786 | -6.99628664 | ns |
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| TRAF3 | -0.00158902 | 0.046941262 | -0.20643682 | 0.836452511 | 0.908092604 | -6.99486152 | ns |
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| FGF2 | -0.00294399 | 0.05881199 | -0.19877238 | 0.842443439 | 0.911639535 | -7.00765876 | ns |
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| CYP24A1 | -0.00344443 | 0.218778828 | -0.19679482 | 0.843990765 | 0.912422448 | -6.99733734 | ns |
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| VCPKMT | 0.003471482 | 0.200195614 | 0.193038751 | 0.84693123 | 0.91424739 | -6.99635693 | ns |
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| IL1B | -0.00232922 | 0.051392367 | -0.1894415 | 0.849749364 | 0.915227084 | -6.99769513 | ns |
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| RPGR | 0.001624959 | 0.026118205 | 0.187726476 | 0.851093594 | 0.91549808 | -7.00055244 | ns |
| TPBGL | -0.001608 | 0.053055573 | -0.18739657 | 0.851352224 | 0.91549808 | -7.00061383 | ns |
| SCGB3A1 | -0.00098414 | 0.007533294 | -0.18731503 | 0.851416146 | 0.91549808 | -7.00096015 | ns |
| LILRA6 | -0.0028098 | -0.08383911 | -0.18715874 | 0.851538625 | 0.91549808 | -7.01401545 | ns |
| PLA2G7 | -0.00127589 | -0.01671476 | -0.18638769 | 0.852143204 | 0.915583654 | -7.01041099 | ns |
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| KRT17 | 0.001482454 | -0.00040967 | 0.185857666 | 0.852558889 | 0.915583654 | -6.99941354 | ns |
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| SF3B4 | -0.00304155 | 0.043033013 | -0.18300794 | 0.854794214 | 0.917309484 | -7.00788938 | ns |
| S100P | -0.00214163 | 0.033779393 | -0.18178021 | 0.855757663 | 0.917623743 | -7.00189899 | ns |
| KIAA1549L | -0.00105102 | 0.009595429 | -0.18159548 | 0.855902604 | 0.917623743 | -7.00710391 | ns |
| PXDNL | 0.002156856 | 0.078730815 | 0.181433354 | 0.85602982 | 0.917623743 | -7.01406764 | ns |
| SIGLEC9 | 0.001169651 | -0.02995732 | 0.179213892 | 0.857772098 | 0.919101618 | -7.01644088 | ns |
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| TMEM132A | -0.00230485 | 0.003499861 | -0.17676516 | 0.859695231 | 0.920101702 | -7.00189269 | ns |
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| PCDH1 | 0.000783008 | 0.012253928 | 0.175466323 | 0.860715526 | 0.920618804 | -7.0157146 | ns |

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| PAEP | 0.004983412 | 0.603761557 | 0.166651242 | 0.867646679 | 0.925262734 | -7.01037777 | ns |
| SAP18 | 0.002497869 | 0.092825761 | 0.166499999 | 0.867765689 | 0.925262734 | -7.00971098 | ns |
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| CEND1 | 0.001980402 | 0.07432179 | 0.165612811 | 0.868463885 | 0.925431651 | -7.00475713 | ns |
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| CDH15 | -0.0020141 | 0.121763737 | -0.16331264 | 0.870274416 | 0.925756392 | -7.0178205 | ns |
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| HBEGF | 0.002615227 | -0.02610994 | 0.16125834 | 0.871892038 | 0.926801875 | -7.01870542 | ns |
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| LAMA1 | -0.00171684 | 0.125759385 | -0.15584459 | 0.876157615 | 0.930002121 | -7.00450121 | ns |
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| TNR | -0.00145262 | 0.04344359 | -0.15503204 | 0.876798106 | 0.930323572 | -7.01223223 | ns |
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| DGCR6 | -0.0013793 | 0.039580816 | -0.15341974 | 0.878069333 | 0.930824815 | -7.00668697 | ns |
| WFIKN2 | 0.001216935 | 0.029312183 | 0.153219952 | 0.878226837 | 0.930824815 | -7.01465944 | ns |
| COL4A4 | -0.00164237 | -0.0504766 | -0.15230577 | 0.878947787 | 0.931250921 | -7.01116129 | ns |
| ADAMTS13 | -0.00074446 | 0.008123303 | -0.15037786 | 0.880468464 | 0.932506179 | -7.02064043 | ns |
| RBM19 | -0.00145332 | 0.061012731 | -0.14952537 | 0.881141099 | 0.932506179 | -7.00545851 | ns |
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| CRTAC1 | 0.000974292 | -0.03935703 | 0.148375132 | 0.882048653 | 0.932506179 | -7.02093732 | ns |
| SLK | -0.00243817 | 0.186272559 | -0.14726274 | 0.882926587 | 0.932592172 | -7.01270567 | ns |
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| PDCL2 | 0.001552535 | 0.067610293 | 0.142178998 | 0.886940527 | 0.934295216 | -7.00481458 | ns |
| IL4 | 0.002765067 | -0.15304078 | 0.140420156 | 0.888329906 | 0.93540022 | -7.00848965 | ns |
| ACOX1 | 0.001504113 | 0.023873932 | 0.140040025 | 0.888630209 | 0.93540022 | -7.0152284 | ns |
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| HADH | 0.001812738 | 0.121435639 | 0.135145264 | 0.892498832 | 0.938457541 | -7.0074893 | ns |
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| GTF2IRD1 | 0.002017853 | 0.201916723 | 0.132887074 | 0.894284441 | 0.939658355 | -7.01470381 | ns |
| ZCCHC8 | -0.0016347 | 0.078328402 | -0.13225089 | 0.894787622 | 0.939848869 | -7.00787325 | ns |
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| GPIHBP1 | -0.00186483 | -0.08396748 | -0.12988043 | 0.896662715 | 0.941032984 | -7.02186074 | ns |
| FAM171B | -0.00071 | 0.026016658 | -0.12960355 | 0.896881779 | 0.941032984 | -7.02206682 | ns |
| CLU | 0.00082853 | 0.027943405 | 0.126784808 | 0.899112365 | 0.943034521 | -7.02311159 | ns |
| ESR1 | 0.001527078 | 0.099098763 | 0.126243442 | 0.899540913 | 0.94314523 | -7.00809647 | ns |
| COL1A1 | 0.000699916 | 0.012764636 | 0.125727367 | 0.899949367 | 0.943192871 | -7.02401769 | ns |
| RRP15 | -0.00236479 | 0.006131283 | -0.12523266 | 0.900341035 | 0.943192871 | -7.01058357 | ns |
| GABRA4 | -0.00165188 | 0.120533067 | -0.12496189 | 0.900555385 | 0.943192871 | -7.01061717 | ns |
| THAP12 | 0.002336139 | 0.18956309 | 0.123123628 | 0.902010852 | 0.944369121 | -7.00587549 | ns |
| SCARB1 | 0.001577291 | 0.101875395 | 0.122726532 | 0.90232529 | 0.944369121 | -7.01078715 | ns |
| S100A13 | 0.000875624 | -0.01072207 | 0.122021932 | 0.902883279 | 0.944404526 | -7.00861639 | ns |
| BRME1 | 0.00103379 | 0.022215792 | 0.121779687 | 0.903075125 | 0.944404526 | -7.01100671 | ns |
| PPM1B | -0.00157779 | 0.110689739 | -0.12145864 | 0.903329397 | 0.944404526 | -7.00868443 | ns |
| FH | 0.00203081 | 0.175841777 | 0.116559254 | 0.90721088 | 0.948123039 | -7.01162398 | ns |
| LMOD1 | -0.0007918 | 0.004095823 | -0.11456998 | 0.908787456 | 0.949430902 | -7.02581897 | ns |
| CHL1 | -0.00077092 | 0.032665862 | -0.11325654 | 0.909828652 | 0.950178706 | -7.02005956 | ns |

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| F2 | -0.00034408 | -0.00502788 | -0.11259614 | 0.910352203 | 0.950385567 | -7.02479694 | ns |
| GGT5 | 0.000523309 | -0.00087408 | 0.111638271 | 0.911111693 | 0.950838508 | -7.01797359 | ns |
| FBP1 | -0.00181796 | -0.01463605 | -0.11107933 | 0.911554893 | 0.950867678 | -7.01883673 | ns |
| AOC1 | 0.001380674 | 0.084091405 | 0.110105552 | 0.912327128 | 0.950867678 | -7.01225736 | ns |
| UBQLN3 | -0.00107751 | 0.065592933 | -0.11006629 | 0.912358273 | 0.950867678 | -7.01054009 | ns |
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| BLVRB | -0.00161833 | 0.066930919 | -0.10783195 | 0.914130402 | 0.952287112 | -7.02187893 | ns |
| CEP112 | -0.00096658 | 0.066259552 | -0.10595593 | 0.915618735 | 0.953497399 | -7.01098058 | ns |
| PFDN6 | -0.00141592 | 0.110482804 | -0.10467063 | 0.91663856 | 0.953841077 | -7.01260041 | ns |
| CLSTN2 | 0.000885988 | 0.021206573 | 0.104360791 | 0.916884385 | 0.953841077 | -7.02689732 | ns |
| ITIH4 | 0.000550223 | 0.006965556 | 0.104304907 | 0.916928734 | 0.953841077 | -7.02568893 | ns |
| ATG4A | -0.0013784 | 0.029637334 | -0.10357311 | 0.917509512 | 0.954105333 | -7.01204771 | ns |
| IL1RL1 | -0.00104643 | -0.03532132 | -0.10176952 | 0.918940937 | 0.955014762 | -7.024611 | ns |
| REST | 0.000763765 | 0.023897697 | 0.101629222 | 0.91905234 | 0.955014762 | -7.00971898 | ns |
| DYNC1H1 | 0.000990021 | 0.047359834 | 0.101234986 | 0.919365238 | 0.955014762 | -7.02531619 | ns |
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| NUDT15 | 0.001044367 | 0.061754334 | 0.098915196 | 0.921206922 | 0.955920059 | -7.01169616 | ns |
| LRRC37A2 | 0.000867774 | 0.009153847 | 0.098900125 | 0.921218852 | 0.955920059 | -7.02537762 | ns |
| CIT | -0.00093449 | 0.040308686 | -0.09681535 | 0.922874314 | 0.956944662 | -7.0133856 | ns |
| TOP1MT | -0.00098874 | 0.038744892 | -0.09641923 | 0.923188908 | 0.956944662 | -7.01023084 | ns |
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| ADGRB3 | 0.000681649 | 0.013372381 | 0.093574811 | 0.92544815 | 0.958605391 | -7.01877568 | ns |
| CA2 | 0.001471464 | 0.022368739 | 0.092999967 | 0.925904806 | 0.958738309 | -7.02119289 | ns |
| TXN | 0.000829825 | 0.030304596 | 0.091657243 | 0.926971576 | 0.95950266 | -7.01766198 | ns |
| DDX53 | 0.000678235 | 0.00335894 | 0.090848587 | 0.927614106 | 0.959530232 | -7.01394111 | ns |
| COL9A1 | 0.000894704 | 0.032680861 | 0.090796563 | 0.927655426 | 0.959530232 | -7.02317233 | ns |
| CLASP1 | 0.001351158 | 0.108088646 | 0.087778224 | 0.930054116 | 0.961309392 | -7.01102043 | ns |
| LYPD3 | 0.000642671 | 0.004749544 | 0.087760909 | 0.930067853 | 0.961309392 | -7.02236145 | ns |
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| ADD1 | -0.00124057 | 0.017132858 | -0.08458518 | 0.932592298 | 0.962392615 | -7.01481746 | ns |
| GRK5 | -0.000957 | 0.073062347 | -0.0844122 | 0.932729829 | 0.962392615 | -7.01475731 | ns |
| RALB | 0.00051098 | -0.01002296 | 0.082412906 | 0.93431947 | 0.963692283 | -7.01263343 | ns |
| DKK4 | -0.00080369 | 0.009476416 | -0.08069234 | 0.935687686 | 0.964501738 | -7.01934128 | ns |
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| RTKN2 | -0.00077442 | 0.068110995 | -0.07383105 | 0.941145801 | 0.968680204 | -7.01384582 | ns |
| CPA4 | 0.000648494 | -0.00519132 | 0.073013042 | 0.941796724 | 0.968868839 | -7.00424228 | ns |
| IL24 | 0.000773576 | 0.030004918 | 0.072766763 | 0.941992683 | 0.968868839 | -7.01564487 | ns |
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| CYB5A | 0.000991197 | 0.073296799 | 0.067129647 | 0.946479385 | 0.97196199 | -7.01260719 | ns |
| BCL7A | 0.000864641 | 0.052545431 | 0.066735082 | 0.946793493 | 0.97196199 | -7.01263339 | ns |
| OGT | 0.000884218 | 0.108604218 | 0.066479168 | 0.946997213 | 0.97196199 | -7.0212725 | ns |
| SOD3 | -0.0008082 | 0.093856886 | -0.06521041 | 0.948007313 | 0.972656836 | -7.02809984 | ns |
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| AMY1A_AMY1B | 0.000652983 | 0.02286981 | 0.063275306 | 0.949548152 | 0.97332429 | -6.99775086 | ns |
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| APOL1 | 0.000748123 | 0.088976768 | 0.060606759 | 0.951673173 | 0.974493559 | -7.02838725 | ns |
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| C7orf50 | -0.00029291 | 0.021179467 | -0.05929918 | 0.952714579 | 0.974714069 | -7.02959652 | ns |
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| BEX3 | 0.000559848 | 0.045650722 | 0.057961311 | 0.953780217 | 0.974714069 | -7.01317613 | ns |
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| EDIL3 | 0.000451663 | -0.00434516 | 0.05694389 | 0.954590647 | 0.974714069 | -7.01668359 | ns |
| YJU2 | 0.000382548 | 0.015210591 | 0.056682253 | 0.954799045 | 0.974714069 | -7.02880726 | ns |
| PSMC3 | 0.000357808 | 0.012868642 | 0.056518939 | 0.95492916 | 0.974714069 | -7.01325804 | ns |
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| SDHB | -0.0007309 | 0.110010598 | -0.05246981 | 0.958155031 | 0.976650506 | -7.02886497 | ns |
| ENPP7 | -0.00100168 | -0.08705465 | -0.05223837 | 0.958339461 | 0.976650506 | -7.00796806 | ns |
| SEMA4C | -0.00031183 | 0.004560033 | -0.05217154 | 0.958392692 | 0.976650506 | -7.02315599 | ns |
| BATF | -0.00091488 | 0.214586247 | -0.05192497 | 0.958589161 | 0.976650506 | -7.01669808 | ns |
| IL17RB | -0.00058808 | 0.021288541 | -0.04921778 | 0.960746391 | 0.978417875 | -7.02035771 | ns |
| EIF4EBP1 | 0.000708066 | 0.012086571 | 0.048907068 | 0.960993995 | 0.978417875 | -7.02377185 | ns |
| LEFTY2 | -0.00054607 | 0.002759612 | -0.04790301 | 0.961794161 | 0.978576834 | -7.03107592 | ns |
| SYNGAP1 | 0.000565895 | 0.080529715 | 0.047870126 | 0.961820382 | 0.978576834 | -7.01722724 | ns |
| EPB41L5 | -0.00062227 | 0.057211143 | -0.04743933 | 0.962163709 | 0.978585172 | -7.0169192 | ns |
| SAT2 | -0.00065001 | 0.05538566 | -0.04569877 | 0.963550941 | 0.979654857 | -7.02242907 | ns |
| SLC16A1 | -0.00056263 | 0.072578494 | -0.04415446 | 0.96478187 | 0.980564936 | -7.01729216 | ns |
| MEPE | -0.00023908 | -0.0170716 | -0.04354682 | 0.965266211 | 0.980715845 | -7.02396681 | ns |
| IL2 | -0.00029183 | -0.01581604 | -0.04246917 | 0.966125249 | 0.98124721 | -7.01737695 | ns |
| SKIV2L | -0.00033184 | 0.03970892 | -0.04156418 | 0.966846682 | 0.981638495 | -7.01569298 | ns |
| NTF4 | -0.00035309 | 0.050154806 | -0.04026914 | 0.96787909 | 0.982345131 | -7.01656506 | ns |
| EIF1AX | -0.00044276 | 0.097428929 | -0.03957553 | 0.968432046 | 0.982564828 | -7.03056421 | ns |
| PNMA2 | -0.00034426 | 0.013310812 | -0.03748603 | 0.970097972 | 0.983839534 | -7.01766696 | ns |
| TRPV3 | 0.000379553 | 0.049848417 | 0.037154539 | 0.97036228 | 0.983839534 | -7.01586518 | ns |
| AGT | -0.00016472 | 0.029067909 | -0.0360659 | 0.971230278 | 0.98437779 | -7.02956444 | ns |
| ARG2 | -0.00030739 | 0.049651298 | -0.03512882 | 0.971977476 | 0.984793279 | -7.02978916 | ns |
| ADAMTS8 | 0.000338831 | 0.03360228 | 0.034346013 | 0.972601677 | 0.984846426 | -7.0284548 | ns |
| DPP4 | 0.000217779 | -0.0035965 | 0.033916517 | 0.972944174 | 0.984846426 | -7.01441783 | ns |
| MAP1LC3B2 | -0.00043726 | 0.15389875 | -0.03354482 | 0.973240573 | 0.984846426 | -7.01599179 | ns |
| ACAN | -0.0002089 | -0.00876062 | -0.03337117 | 0.973379036 | 0.984846426 | -7.02091296 | ns |
| LTBP2 | -0.00021777 | -0.01365268 | -0.03257756 | 0.974011886 | 0.985145379 | -7.03133481 | ns |
| ZNF830 | 0.000517587 | 0.29561881 | 0.031110513 | 0.975181808 | 0.985987146 | -7.02992123 | ns |
| NMRK2 | 0.000250932 | 0.067304802 | 0.028896935 | 0.976947174 | 0.987430165 | -7.01442847 | ns |
| AMBN | -0.00016397 | 0.017408876 | -0.0277688 | 0.977846918 | 0.987908837 | -7.01788919 | ns |
| LXN | -0.0003884 | 0.101115315 | -0.02734801 | 0.978182525 | 0.987908837 | -7.0210497 | ns |
| SSNA1 | -0.00028347 | 0.035008125 | -0.02694773 | 0.978501772 | 0.987908837 | -7.02987071 | ns |
| MNAT1 | -0.00023978 | 0.041180447 | -0.02632443 | 0.978998917 | 0.987908837 | -7.02312139 | ns |
| DLL4 | -0.00046729 | 0.096239804 | -0.02618216 | 0.979112388 | 0.987908837 | -7.01705362 | ns |
| HRC | -0.00017462 | 0.043459423 | -0.02528016 | 0.979831832 | 0.988293247 | -7.01707665 | ns |
| RANGAP1 | 0.000261044 | 0.059555221 | 0.023986732 | 0.98086351 | 0.988992213 | -7.0170841 | ns |
| B3GAT3 | 9.8308494339 | 0.005472928 | 0.023517626 | 0.981237691 | 0.98902798 | -7.01627564 | ns |
| OMD | -0.00021223 | -0.00650596 | -0.02194677 | 0.982490699 | 0.98994922 | -7.02822264 | ns |
| MYL4 | 0.000229656 | 0.067817221 | 0.021272289 | 0.98302873 | 0.99010462 | -7.01716921 | ns |
| PINLYP | -0.00028726 | -0.06601671 | -0.02070929 | 0.983477831 | 0.99010462 | -7.01815415 | ns |
| TDGF1 | 0.000652279 | 0.194851732 | 0.020478219 | 0.983662159 | 0.99010462 | -7.01805133 | ns |
| NPTX2 | 0.000133893 | -0.01579928 | 0.019949826 | 0.984083655 | 0.990128652 | -7.03063346 | ns |
| ALPI | 0.000498253 | 0.218777755 | 0.019598144 | 0.984364204 | 0.990128652 | -7.01581225 | ns |
| TNFSF11 | -0.00023353 | 0.033923726 | -0.01708656 | 0.986367785 | 0.991657418 | -7.02711793 | ns |
| DUOX2 | -0.0002699 | 0.152954815 | -0.0168415 | 0.986563287 | 0.991657418 | -7.01815155 | ns |
| MMP1 | 0.000323726 | -0.08202117 | 0.015853657 | 0.987351356 | 0.991838475 | -7.00372043 | ns |
| INSL5 | 0.000309446 | 0.07745515 | 0.015764146 | 0.987422756 | 0.991838475 | -7.03010772 | ns |
| FZD10 | 0.000146179 | 0.078663035 | 0.012020265 | 0.990409606 | 0.994496578 | -7.01796399 | ns |
| BMP6 | 8.0901644579 | -0.01019986 | 0.008918352 | 0.992884397 | 0.996278337 | -7.01752499 | ns |
| LSM8 | -0.00015699 | 0.284035071 | -0.00879363 | 0.992983901 | 0.996278337 | -7.02342684 | ns |
| MYOM1 | -7.90E-05 | 0.053938588 | -0.00828464 | 0.993389995 | 0.996278337 | -7.01833003 | ns |
| PER3 | -0.00019296 | 0.093361329 | -0.00793315 | 0.993670432 | 0.996278337 | -7.01597157 | ns |
| LRRC38 | 7.1602661528 | 0.009561434 | 0.007308585 | 0.994168741 | 0.996278337 | -7.01800917 | ns |
| CYTH3 | 0.000110217 | 0.122892007 | 0.007230315 | 0.994231189 | 0.996278337 | -7.01481678 | ns |
| FCGR2B | 8.0637117217 | 0.025043393 | 0.006329586 | 0.994949839 | 0.996379566 | -7.01734966 | ns |
| NUDT2 | -7.70E-05 | 0.044004771 | -0.00624834 | 0.995014663 | 0.996379566 | -7.02448708 | ns |
| GALNT5 | -1.53E-05 | -0.00234879 | -0.00280139 | 0.997764856 | 0.998791011 | -7.0313928 | ns |
| IKZF2 | -1.70E-05 | 0.245988819 | -0.00082966 | 0.999338037 | 0.999863924 | -7.01736919 | ns |
| SMAD5 | -8.09E-07 | -0.03768428 | -0.00017902 | 0.999857162 | 0.999863924 | -7.02450644 | ns |
| ACTA2 | -1.59E-06 | 0.001956434 | -0.00017055 | 0.999863924 | 0.999863924 | -7.01829225 | ns |