

[illegible]

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PLAC3 -1.98776 -2.86279 1.25E-08 2.50E-08
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GRIN2A 1.629112 3.93107 1.26E-08 2.52E-08
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SFRP2 1.95189 5.580415 1.30E-08 2.60E-08
TRN454 1.975467 2.452626 1.32E-08 2.64E-08
C11orf86 2.407514 1.193848 1.36E-08 2.71E-08
PCDH10A 1.048645 1.177367 1.36E-08 2.71E-08
HIC12 1.344301 -3.06675 1.37E-08 2.74E-08
DOCK3 -1.08202 0.611319 1.40E-08 2.79E-08
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COL1A1 2.003515 1.982206 1.51E-08 3.01E-08
PYDC1 2.396587 -2.55499 1.53E-08 3.06E-08
STXBP1 3.185467 -0.1305 1.62E-08 3.22E-08
ACT 1.101747 6.799325 1.68E-08 3.73E-08
CSDC2 -1.34575 3.830102 1.94E-08 3.86E-08
PCDH10B 1.088861 0.865251 1.98E-08 3.93E-08
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ACTN2 1.488596 1.222948 2.08E-08 4.12E-08
ATP2B3 -1.73508 -0.8331 2.23E-08 4.40E-08
TREN -1.57342 -2.1545 2.27E-08 4.48E-08
SKLECK 1.068537 -1.38305 2.28E-08 4.50E-08
DMBX1 2.939447 -2.1478 2.44E-08 4.80E-08
SERTM2 3.498158 2.620905 2.49E-08 4.89E-08
SPATA12 1.128204 -2.17671 2.51E-08 4.95E-08
MORN5 -1.00566 -1.24022 2.58E-08 5.07E-08
KCNIP1 -1.58621 0.70562 2.58E-08 5.08E-08
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SLC11A1 1.150416 -2.87629 2.68E-08 5.27E-08
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PLAZG2C 1.333975 -2.70282 2.68E-08 5.27E-08
CRP3 1.082704 0.828008 2.68E-08 5.27E-08
CAMP 1.511255 -2.52277 2.71E-08 5.32E-08
FLG2 1.355948 -2.68074 2.75E-08 5.39E-08
HAS2 -1.01429 0.918434 2.79E-08 5.48E-08
CDP4 1.095443 -1.74786 2.82E-08 5.53E-08
SLC25A8 -1.06876 2.221821 2.97E-08 5.82E-08
MSLN 2.51116 5.263977 2.97E-08 5.83E-08
RFLNA 1.72866 2.011423 3.18E-08 6.22E-08
PDGRL1 1.265152 2.085609 3.24E-08 6.33E-08
EDAR -1.16317 0.345963 3.29E-08 6.43E-08
LRN4C1 1.629927 1.697872 3.34E-08 6.52E-08
MB 1.254369 -0.84109 3.37E-08 6.57E-08
FOXG1 2.184737 -2.5408 3.40E-08 6.62E-08
MEOX2 1.384637 1.610831 3.41E-08 6.64E-08
UGT1A7 1.908013 -0.52327 3.41E-08 6.68E-08
DES -1.47303 4.447261 3.43E-08 6.68E-08
TRM63 2.796424 2.612518 3.43E-08 6.69E-08
NAPSA -1.13223 4.948168 3.53E-08 6.87E-08
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SPHKAP -1.72023 -3.15333 3.69E-08 7.17E-08
NLEP1 1.059115 0.628198 3.76E-08 7.30E-08
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PLAZG1B 1.161443 -1.24493 3.95E-08 7.65E-08
KRT17 2.222019 1.822241 4.15E-08 8.04E-08
KRT15 1.916763 -0.13542 4.20E-08 8.14E-08
PCXBP1 1.2335 -2.73417 4.21E-08 8.15E-08
TNFRSF1 1.584368 -0.46614 4.32E-08 8.35E-08
GALR1 1.487799 0.636946 4.56E-08 8.44E-08
TMEM40 -1.23165 -2.81166 4.54E-08 8.77E-08
GLRA3 -1.5223 -2.83063 4.65E-08 8.98E-08
ADAM7 3.122908 0.471793 4.66E-08 8.99E-08
C1orf51 1.56136 2.51946 4.76E-08 9.15E-08
UNC13A 1.207365 0.709162 4.90E-08 9.43E-08
PTC2 -1.09839 3.941158 4.98E-08 9.59E-08
CNTFR -1.31086 0.264206 5.34E-08 1.03E-07
STOML3 1.678967 -2.52083 5.37E-08 1.03E-07
PKR -1.44106 7.910493 5.55E-08 1.07E-07
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SHISA1 1.541274 1.761905 5.59E-08 1.07E-07
VWA3B1 -1.69496 0.85654 5.64E-08 1.08E-07
TC1H 1.658297 1.096954 6.01E-08 1.15E-07
ELAVL2 1.419245 0.849785 6.04E-08 1.16E-07
KCNQ2 1.596318 -0.31784 6.05E-08 1.16E-07
C6 1.558229 3.627585 6.17E-08 1.18E-07
GBP7 1.456019 -0.84041 6.17E-08 1.18E-07
ITGA2B 1.340953 1.116692 6.29E-08 1.20E-07
ZNF365 1.397085 1.519128 6.30E-08 1.21E-07
PRELP -1.00188 5.71353 6.31E-08 1.21E-07
CDCP2 1.026371 -3.21648 6.39E-08 1.22E-07
SLC1A10 1.250878 -0.98741 6.65E-08 1.27E-07
CBS -1.14014 -2.14933 7.00E-08 1.34E-07
SERPINA 2.350307 0.471449 7.04E-08 1.34E-07
MPRSS1 1.412689 1.116852 7.06E-08 1.35E-07
OPR1A 1.25384 4.901372 7.40E-08 1.41E-07
CPE 1.003608 8.145741 7.76E-08 1.48E-07
NIB 1.590116 1.486229 8.08E-08 1.53E-07
SNG 1.011704 4.552062 8.31E-08 1.54E-07
ERIE1 1.251557 -0.8058 8.70E-08 1.65E-07
PAD4 1.127684 -1.31055 8.77E-08 1.66E-07
AKR1B10 2.724689 3.674319 8.91E-08 1.69E-07
HSPB6 -1.01328 3.73448 8.95E-08 1.70E-07
CXCR1 1.103326 0.156451 9.04E-08 1.71E-07
VWA3 1.471935 -0.55811 9.09E-08 1.72E-07
NKRD4K 1.747028 -2.64445 9.55E-08 1.81E-07
PCDH19 1.016548 -2.05937 9.98E-08 1.89E-07
ZE3 2.817977 -2.17605 1.04E-07 1.96E-07
SLC3A3 1.653441 -0.37836 1.05E-07 1.98E-07
PROKR1 1.046401 -3.11855 1.06E-07 2.00E-07
GALNT3 1.832364 2.215709 1.09E-07 2.06E-07
UGT1A1 -1.39969 5.620736 1.12E-07 2.10E-07
PCDH20 -1.31 -3.25612 1.12E-07 2.11E-07
NPPB6 1.209357 -2.83628 1.12E-07 2.11E-07
SERPINF1 1.081855 5.827385 1.17E-07 2.20E-07
AKR1C4 1.675625 -0.43052 1.18E-07 2.22E-07
ATP9VA -2.00127 2.264272 1.20E-07 2.26E-07
PGLCAT 1.47272 2.361409 1.20E-07 2.27E-07
CBSL -1.3518 -3.19261 1.22E-07 2.29E-07
EPHA6 1.390367 1.049431 1.28E-07 2.36E-07
SMDK2 -1.25496 3.654401 1.27E-07 2.38E-07
STUM -1.08757 3.760308 1.30E-07 2.44E-07
DSG3 2.226363 -3.11984 1.30E-07 2.44E-07
CACNA1C 1.60461 -1.60677 1.32E-07 2.47E-07
LRRC32 -2.22514 -1.91566 1.33E-07 2.50E-07
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SERPINF2 1.037727 7.767375 1.37E-07 2.56E-07
EYA1 1.827246 1.094964 1.39E-07 2.61E-07
CAPN8 -1.29603 4.534532 1.41E-07 2.63E-07
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FCAR 1.112896 -1.1659 1.50E-07 2.80E-07
CIST9 1.211159 4.387089 1.55E-07 2.89E-07
FTCD -1.23586 5.100977 1.65E-07 3.08E-07
CTSK 1.442961 5.489776 1.75E-07 3.26E-07
SERPINB -1.2987 -1.77629 1.78E-07 3.31E-07
SLC30A3 1.175322 -1.30166 1.78E-07 3.32E-07
WPC2 -1.10075 6.3626 1.85E-07 3.44E-07
HCN4 -1.08885 -0.98762 1.98E-07 3.67E-07
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GNG2 -1.22786 1.21942 2.14E-07 3.97E-07
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SEZ6 1.272227 -2.31147 2.37E-07 4.37E-07
TUBA1C 2.955655 -1.96154 2.38E-07 4.40E-07
GCOM1 -1.40778 -0.78883 2.46E-07 4.54E-07
KRTAP5 1.486603 -2.31227 2.46E-07 4.54E-07
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SERPINC1 2.64842 2.712189 2.80E-07 5.15E-07
WFDC3 1.05289 -0.06763 2.80E-07 5.15E-07
C1orf167 1.046096 -3.01857 3.09E-07 5.67E-07
SSTR3 -1.00163 -2.33081 3.16E-07 5.79E-07
XIRP1 1.409535 -0.83981 3.22E-07 5.90E-07
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CNTNAP2 2.09577 1.697254 3.37E-07 6.18E-07
BMP5 -1.37648 0.68207 3.39E-07 6.21E-07
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SRRM3 1.185708 1.834297 3.55E-07 6.50E-07
KCTD4 1.394016 -0.27192 3.61E-07 6.60E-07
CYSYL2 1.602304 4.7419 3.69E-07 6.74E-07
NTS -1.09197 0.593467 3.69E-07 6.74E-07
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MYAP -1.22306 1.443011 3.94E-07 7.18E-07
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TFP2 1.249537 -2.63133 4.29E-07 7.81E-07
POK3F4 -2.30282 -0.07477 4.33E-07 7.89E-07
CYP2C9 1.737642 1.197045 4.37E-07 7.95E-07
DRKH1 1.047347 -1.029 4.43E-07 8.06E-07
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CASP14 5.131813 4.317475 5.12E-07 9.28E-07
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DACT2 -1.27338 1.568969 5.18E-07 9.39E-07
CAPN8 -1.3661 0.59402 5.20E-07 9.42E-07
OTPA -1.1744 0.46261 5.28E-07 9.57E-07
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PRAP1 -1.16124 5.024886 5.93E-07 1.07E-06
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TRDR9 -1.08045 2.017168 6.54E-07 1.18E-06
TRARG1 -1.34807 -1.78644 6.57E-07 1.18E-06
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SLC3A8 1.541656 5.19507 7.31E-07 1.31E-06
WFKKN2 -1.3968 -1.99632 7.47E-07 1.34E-06

NUPR2 -1.91954 0.668211 7.66E-07 1.37E-06
ZMA74 1.899147 2.359081 7.79E-07 1.39E-06
CYP2W1 1.523065 -1.24517 7.98E-07 1.43E-06
BL2IR 1.0931 -2.43854 8.32E-07 1.49E-06
PTGDS -1.21118 5.474311 8.42E-07 1.51E-06
ADGRB1 1.448787 2.072368 8.80E-07 1.57E-06
TMEN19 2.254082 -1.41205 8.89E-07 1.59E-06
SLCA13 1.07386 7.312766 9.08E-07 1.62E-06
STYXL2 1.047972 -1.67292 9.14E-07 1.63E-06
FOXD1 2.021719 -2.45464 9.29E-07 1.66E-06
TUBB8A 1.396251 3.42848 9.81E-07 1.75E-06
SLITRK2 1.442718 2.460657 1.03E-06 1.84E-06
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OTX1 1.72011 -2.06949 1.08E-06 1.89E-06
ADRB1 -1.18126 0.204809 1.07E-06 1.90E-06
CDRI15 1.58084 -0.4872 1.09E-06 1.93E-06
FGG 2.820716 6.84495 1.17E-06 2.07E-06
EPB42 1.184682 -1.82899 1.22E-06 2.17E-06
FCRL2 1.393921 -1.36496 1.25E-06 2.21E-06
CFTR 2.11045 4.378795 1.27E-06 2.25E-06
OMD -1.00775 0.898772 1.31E-06 2.32E-06
ADH1A 2.74368 0.229357 1.33E-06 2.35E-06
KCNG3 -1.57175 -2.14746 1.36E-06 2.40E-06
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KRTAP4-5 1.044816 -1.83111 1.49E-06 2.63E-06
F10 1.22135 3.440185 1.53E-06 2.70E-06
TEX101 2.257747 -2.62773 1.58E-06 2.78E-06
C6orf118 -1.13338 -3.33335 1.62E-06 2.85E-06
KCNH8 1.272818 -1.21012 1.62E-06 2.86E-06
GPC2 1.28804 -2.23103 1.64E-06 2.89E-06
CXCL3 1.009413 0.221367 1.66E-06 2.92E-06
DSCAM 1.279218 -1.21555 1.66E-06 2.92E-06
FAM108B -1.12191 -2.5576 1.66E-06 2.93E-06
STAR 1.0537 -2.2845 1.68E-06 2.96E-06
ZK4 1.3695 -2.72694 1.73E-06 3.04E-06
ZK2 2.302223 -1.34212 1.76E-06 3.10E-06
VSTM2L 1.791132 1.26053 1.79E-06 3.15E-06
KCFBP2 -1.00329 2.936001 1.80E-06 3.15E-06
CALCA -2.04669 2.58629 1.81E-06 3.17E-06
PCSK9 -1.31461 -1.67717 1.83E-06 3.21E-06
SLC1A10 -1.2515 -1.32383 1.98E-06 3.33E-06
PROM1 -1.22184 6.431492 1.91E-06 3.34E-06
RTL3 1.541068 -3.12077 1.93E-06 3.38E-06
C7orf7 1.109209 -0.80658 2.04E-06 3.56E-06
RC3 -1.05795 2.359823 2.13E-06 3.71E-06
CD19 1.115242 -0.38346 2.14E-06 3.76E-06
TBC1D10 2.77109 -3.32383 2.32E-06 4.04E-06
NKR2D1A 1.183726 -2.67274 2.33E-06 4.06E-06
CCL16 1.164383 -1.47932 2.48E-06 4.30E-06
MYT1L 1.402113 -3.24185 2.69E-06 4.67E-06
PF4 1.00732 -1.96833 2.70E-06 4.69E-06
GLP1R 1.27791 -0.75191 2.70E-06 4.69E-06
EEF1A2 1.807044 3.48936 2.78E-06 4.82E-06
TMEN21 1.014494 -2.95138 2.84E-06 4.92E-06
PTX2 1.980165 1.137943 2.88E-06 4.98E-06
CDHR5 1.064221 7.40989 3.06E-06 5.29E-06
HBP2 1.744634 6.116099 3.12E-06 5.39E-06
GPX2 -1.07473 0.660785 3.28E-06 5.65E-06
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CTNNA2 2.414269 0.03673 3.48E-06 5.99E-06
KLIF1 1.404669 -2.82185 3.51E-06 6.03E-06
BPR4A 1.195373 -3.26485 3.52E-06 6.04E-06
CYP24A1 -1.32432 3.769728 3.56E-06 6.11E-06
PTK6 1.022332 1.384237 3.59E-06 6.17E-06
INSYND1 1.129275 1.373237 3.94E-06 6.76E-06
C4BPB 1.620412 -0.33505 4.11E-06 7.04E-06
PTCID1 -1.17151 -1.08757 4.13E-06 7.07E-06
MLANA 1.358986 0.945919 4.18E-06 7.16E-06
vTRNR2L 1.428199 -1.23588 4.25E-06 7.26E-06
HY3OR16 1.98603 -2.60798 4.31E-06 7.36E-06
TRAF2 -1.07951 1.86586 4.32E-06 7.37E-06
CALCR 1.19356 2.721194 4.45E-06 7.61E-06
XDH 1.783724 0.401772 4.51E-06 7.69E-06
MYPP 1.357056 -2.33891 4.55E-06 7.76E-06
NCAM1 1.354598 4.459234 4.98E-06 8.49E-06
LUT1A6 1.104175 5.227551 5.23E-06 8.89E-06
FGB 2.331444 7.493634 5.35E-06 9.09E-06
TPSD1 1.304435 -0.10468 5.53E-06 9.09E-06
TLL16 1.032088 2.320622 5.44E-06 9.23E-06
TMEN18 1.353147 5.343896 5.45E-06 9.26E-06
NTSDC4 1.224126 -2.57807 5.57E-06 9.46E-06
NTR1 1.439673 0.9363 5.98E-06 1.01E-05
ELSPBP1 3.016186 -1.56247 6.51E-06 1.10E-05
KCNK1 2.836999 7.007781 6.59E-06 1.11E-05
RIMS4 -1.27891 -2.09399 6.81E-06 1.15E-05
TUBA3E 2.27031 0.934436 7.46E-06 1.26E-05
IRMG2 2.083464 1.536764 7.55E-06 1.27E-05
TM4SF4 1.724777 1.592999 8.03E-06 1.35E-05
PDPFPL -1.09601 -2.20757 9.14E-06 1.53E-05
GALNT14 1.44217 -0.93626 9.55E-06 1.60E-05
LHCGR 2.494082 -0.36384 9.92E-06 1.66E-05
CXCL1 1.289837 3.421778 1.02E-05 1.70E-05
OCN -1.13479 2.625207 1.04E-05 1.73E-05
FRSIL -1.196 -2.31015 1.04E-05 1.74E-05
HBP2 1.743809 -2.39999 1.08E-05 1.81E-05
C18orf1 1.090496 -2.77756 1.12E-05 1.84E-05
AZM1 1.076539 -1.83053 1.14E-05 1.90E-05
MECP1 1.125799 2.995432 1.17E-05 1.94E-05
KRT14 1.633005 -0.55909 1.26E-05 2.09E-05
CIBOR2 1.330982 1.613652 1.30E-05 2.16E-05
SERPIM1 -1.21627 -2.38947 1.36E-05 2.25E-05
ELANE 1.262545 -2.28407 1.45E-05 2.40E-05
CDRI7 1.31926 1.33557 1.47E-05 2.43E-05
KCNK5 1.51851 -0.78814 1.49E-05 2.46E-05
COL2A1 1.261702 -2.09573 1.49E-05 2.47E-05
IFNE 1.465026 -1.62866 1.52E-05 2.52E-05
711-404P2 -1.17799 -3.31235 1.55E-05 2.56E-05
EDN3 -1.37792 -1.67097 1.60E-05 2.64E-05
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TBX10 1.016277 -3.22722 1.68E-05 2.76E-05
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