

Table S1. The differential mRNA in WT.

ID	logFC
SLC4A1 ENSG00000004939 protein_coding	-9,043
MFSD4A ENSG00000174514 protein_coding	-6,587
CLCNKA ENSG00000186510 protein_coding	-10,243
GCNT3 ENSG00000140297 protein_coding	-7,534
AQP2 ENSG00000167580 protein_coding	-13,884
RASD1 ENSG00000108551 protein_coding	-7,512
PTGER1 ENSG00000160951 protein_coding	-7,317
CLCNKB ENSG00000184908 protein_coding	-7,871
AVPR2 ENSG00000126895 protein_coding	-7,381
SLC4A9 ENSG00000113073 protein_coding	-6,814
PROM2 ENSG00000155066 protein_coding	-6,310
KNG1 ENSG00000113889 protein_coding	-12,616
LINC00675 ENSG00000263429 protein_coding	-9,190
BSND ENSG00000162399 protein_coding	-10,053
MUC20 ENSG00000176945 protein_coding	-6,104
EGF ENSG00000138798 protein_coding	-9,658
LTF ENSG0000012223 protein_coding	-7,817
VTCN1 ENSG00000134258 protein_coding	-6,017
FBP1 ENSG00000165140 protein_coding	-5,993
SPNS2 ENSG00000183018 protein_coding	-6,365
HRG ENSG00000113905 protein_coding	-9,995
SLC12A1 ENSG00000074803 protein_coding	-10,366
SERPINA1 ENSG00000197249 protein_coding	-7,741
SLC9A4 ENSG00000180251 protein_coding	-10,447
ATP6V0D2 ENSG00000147614 protein_coding	-7,974
RCAN1 ENSG00000159200 protein_coding	-3,934
FAM167B ENSG00000183615 protein_coding	-4,452
ELMO3 ENSG00000102890 protein_coding	-4,704
ATP1B1 ENSG00000143153 protein_coding	-4,616
HYAL1 ENSG00000114378 protein_coding	-4,866
ALDOB ENSG00000136872 protein_coding	-6,014
ANXA9 ENSG00000143412 protein_coding	-4,116
AQP6 ENSG00000086159 protein_coding	-7,286
TINAGL1 ENSG00000142910 protein_coding	-4,786
SULT2B1 ENSG00000088002 protein_coding	-6,862
RHCG ENSG00000140519 protein_coding	-8,922
UMOD ENSG00000169344 protein_coding	-18,315
CTSH ENSG00000103811 protein_coding	-4,181
TMEM37 ENSG00000171227 protein_coding	-5,383
RANBP3L ENSG00000164188 protein_coding	-6,069
SLC12A3 ENSG00000070915 protein_coding	-8,661
ACSL1 ENSG00000151726 protein_coding	-4,495
GPR132 ENSG00000183484 protein_coding	-6,146
MUC1 ENSG00000185499 protein_coding	-6,704

BCL2L15 ENSG00000188761 protein_coding	-4,883
CNGA1 ENSG00000198515 protein_coding	-5,491
S100A2 ENSG00000196754 protein_coding	-6,687
GGT6 ENSG00000167741 protein_coding	-6,810
TMPRSS2 ENSG00000184012 protein_coding	-7,612
NTN4 ENSG00000074527 protein_coding	-5,546
KCNK13 ENSG00000152315 protein_coding	-6,058
KIFC3 ENSG00000140859 protein_coding	-4,064
GDF3 ENSG00000184344 protein_coding	-7,240
C6orf223 ENSG00000181577 protein_coding	-6,806
SLC52A3 ENSG00000101276 protein_coding	-6,472
STAP1 ENSG00000035720 protein_coding	-6,486
ACOT12 ENSG00000172497 protein_coding	-5,927
AQP3 ENSG00000165272 protein_coding	-6,085
ACKR2 ENSG00000144648 protein_coding	-4,514
ZNF44 ENSG00000197857 protein_coding	-2,979
SFTA2 ENSG00000196260 protein_coding	-8,338
ATP6V1B1 ENSG00000116039 protein_coding	-4,678
HSD11B2 ENSG00000176387 protein_coding	-4,290
TMEM213 ENSG00000214128 protein_coding	-8,613
SOD2 ENSG00000112096 protein_coding	-2,983
NKAPL ENSG00000189134 protein_coding	-5,243
SLC22A2 ENSG00000112499 protein_coding	-7,800
ELF5 ENSG00000135374 protein_coding	-9,214
RAP1GAP ENSG00000076864 protein_coding	-5,856
KRT7 ENSG00000135480 protein_coding	-8,230
SGK2 ENSG00000101049 protein_coding	-4,930
TMEM72 ENSG00000187783 protein_coding	-5,771
POU5F1 ENSG00000204531 protein_coding	-4,133
VGLL1 ENSG00000102243 protein_coding	-9,664
CYSTM1 ENSG00000120306 protein_coding	-3,787
KCNQ1 ENSG00000053918 protein_coding	-4,225
BHMT2 ENSG00000132840 protein_coding	-6,678
RAB17 ENSG00000124839 protein_coding	-6,403
F11 ENSG00000088926 protein_coding	-7,332
WNK4 ENSG00000126562 protein_coding	-4,837
TACSTD2 ENSG00000184292 protein_coding	-8,070
RAMP3 ENSG00000122679 protein_coding	-5,348
FXRD4 ENSG00000150201 protein_coding	-11,975
SELP ENSG00000174175 protein_coding	-6,331
BICDL1 ENSG00000135127 protein_coding	-5,728
PLLP ENSG00000102934 protein_coding	-3,929
ATP6V0A4 ENSG00000105929 protein_coding	-7,622
LRG1 ENSG00000171236 protein_coding	-5,287
HELT ENSG00000187821 protein_coding	-7,984

LDHD ENSG00000166816 protein_coding	-5,949
GP2 ENSG00000169347 protein_coding	-11,043
EDN1 ENSG00000078401 protein_coding	-5,149
UGT1A6 ENSG00000167165 protein_coding	-9,635
RHBG ENSG00000132677 protein_coding	-7,000
SLC16A5 ENSG00000170190 protein_coding	-5,082
PBLD ENSG00000108187 protein_coding	-3,728
CLDN14 ENSG00000159261 protein_coding	-5,467
NOSTRIN ENSG00000163072 protein_coding	-3,183
GDF15 ENSG00000130513 protein_coding	-5,786
CEACAM1 ENSG00000079385 protein_coding	-5,041
INPP5J ENSG00000185133 protein_coding	-3,776
PFKFB3 ENSG00000170525 protein_coding	-4,056
SEM2 ENSG00000124157 protein_coding	-9,739
AMBP ENSG00000106927 protein_coding	-5,570
MFAP3L ENSG00000198948 protein_coding	-4,639
FXD2 ENSG00000137731 protein_coding	-7,818
ATP1A1 ENSG00000163399 protein_coding	-3,025
AOC1 ENSG00000002726 protein_coding	-7,491
PAQR5 ENSG00000137819 protein_coding	-5,446
MELTF ENSG00000163975 protein_coding	-4,276
KL ENSG00000133116 protein_coding	-5,393
GGTLC1 ENSG00000149435 protein_coding	-6,428
TNS4 ENSG00000131746 protein_coding	-6,317
PRR35 ENSG00000161992 protein_coding	-7,337
CRYBG1 ENSG00000112297 protein_coding	-4,498
PTPRB ENSG00000127329 protein_coding	-3,512
EPS8L2 ENSG00000177106 protein_coding	-5,293
NUAK2 ENSG00000163545 protein_coding	-4,355
NDRG1 ENSG00000104419 protein_coding	-3,819
TMEM27 ENSG00000147003 protein_coding	-3,613
BDKRB2 ENSG00000168398 protein_coding	-5,177
DMGDH ENSG00000132837 protein_coding	-4,588
DEFB1 ENSG00000164825 protein_coding	-8,721
NAT8 ENSG00000144035 protein_coding	-5,031
ELF3 ENSG00000163435 protein_coding	-6,367
HABP2 ENSG00000148702 protein_coding	-6,264
KCNJ1 ENSG00000151704 protein_coding	-9,146
FUCA1 ENSG00000179163 protein_coding	-2,926
KLHDC7A ENSG00000179023 protein_coding	-5,280
SCIN ENSG00000006747 protein_coding	-6,696
MISP3 ENSG00000141854 protein_coding	-4,629
IL11 ENSG00000095752 protein_coding	-5,042
GPX2 ENSG00000176153 protein_coding	-4,071
PLEKHH2 ENSG00000152527 protein_coding	-4,169

LIPH ENSG00000163898 protein_coding	-5,983
FRK ENSG00000111816 protein_coding	-4,186
LURAP1 ENSG00000171357 protein_coding	-3,861
SLC43A2 ENSG00000167703 protein_coding	-4,199
FAM131C ENSG00000185519 protein_coding	-5,088
PPP1R36 ENSG00000165807 protein_coding	-3,901
SLC6A12 ENSG00000111181 protein_coding	-5,762
ANXA11 ENSG00000122359 protein_coding	-2,979
USP2 ENSG00000036672 protein_coding	-4,712
IL17RE ENSG00000163701 protein_coding	-3,953
UNC5CL ENSG00000124602 protein_coding	-4,004
AC007906.2 ENSG00000277639 protein_coding	-7,057
EHF ENSG00000135373 protein_coding	-6,346
GAL3ST1 ENSG00000128242 protein_coding	-4,569
ABCA4 ENSG00000198691 protein_coding	-5,555
CYFIP2 ENSG00000055163 protein_coding	-2,979
MAP3K15 ENSG00000180815 protein_coding	-3,895
ADTRP ENSG00000111863 protein_coding	-6,639
ANGPTL3 ENSG00000132855 protein_coding	-4,522
SCNN1B ENSG00000168447 protein_coding	-7,337
PLEK2 ENSG00000100558 protein_coding	-4,699
MAOA ENSG00000189221 protein_coding	-4,837
DEGS2 ENSG00000168350 protein_coding	-4,684
COBLL1 ENSG00000082438 protein_coding	-5,930
TFCP2L1 ENSG00000115112 protein_coding	-5,658
TMC4 ENSG00000167608 protein_coding	-4,661
CA12 ENSG00000074410 protein_coding	-4,169
NECTIN4 ENSG00000143217 protein_coding	-6,001
KCNJ10 ENSG00000177807 protein_coding	-5,659
CLDN10 ENSG00000134873 protein_coding	-6,348
CFB ENSG00000243649 protein_coding	-4,709
PLAU ENSG00000122861 protein_coding	-4,366
SH2D3A ENSG00000125731 protein_coding	-4,911
MFSD7 ENSG00000169026 protein_coding	-4,166
IHH ENSG00000163501 protein_coding	-5,771
CLNK ENSG00000109684 protein_coding	-4,981
PALM3 ENSG00000187867 protein_coding	-4,752
SCNN1G ENSG00000166828 protein_coding	-7,893
OGDHL ENSG00000197444 protein_coding	-5,021
NAPSA ENSG00000131400 protein_coding	-4,926
S100A6 ENSG00000197956 protein_coding	-4,419
TNFSF13 ENSG00000161955 protein_coding	-3,648
EFHD1 ENSG00000115468 protein_coding	-3,621
TRPV6 ENSG00000165125 protein_coding	-4,965
SMIM5 ENSG00000204323 protein_coding	-5,613

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CARD6 ENSG00000132357 protein_coding	-3,658
CX3CL1 ENSG00000006210 protein_coding	-4,083
SMIM6 ENSG00000259120 protein_coding	-6,225
DNASE1L3 ENSG00000163687 protein_coding	-5,299
SELE ENSG00000007908 protein_coding	-5,936
AGFG2 ENSG00000106351 protein_coding	-2,729
S100P ENSG00000163993 protein_coding	-4,949
CWH43 ENSG00000109182 protein_coding	-8,228
IER3 ENSG00000137331 protein_coding	-3,913
RAPGEF3 ENSG00000079337 protein_coding	-3,687
SCTR ENSG00000080293 protein_coding	-7,101
CHCHD10 ENSG00000250479 protein_coding	-3,696
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SLC9A2 ENSG00000115616 protein_coding	-4,746
RILP ENSG00000167705 protein_coding	-4,244
CBX7 ENSG00000100307 protein_coding	-3,731
FA2H ENSG00000103089 protein_coding	-5,572
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SVOPL ENSG00000157703 protein_coding	-4,715
BLNK ENSG00000095585 protein_coding	-4,909
CAPS ENSG00000105519 protein_coding	-3,282
FUT6 ENSG00000156413 protein_coding	-4,368
SLC9A3 ENSG00000066230 protein_coding	-5,549
FOXI1 ENSG00000168269 protein_coding	-9,846
SCNN1A ENSG00000111319 protein_coding	-6,441
AQP1 ENSG00000240583 protein_coding	-5,029
ACAT1 ENSG00000075239 protein_coding	-2,817
CIITA ENSG00000179583 protein_coding	-3,585
SOX11 ENSG00000176887 protein_coding	8,260
ENAM ENSG00000132464 protein_coding	-6,269
GATA2 ENSG00000179348 protein_coding	-4,517
ADGRF3 ENSG00000173567 protein_coding	-3,351
LCN2 ENSG00000148346 protein_coding	-8,621
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ERVFRD-1 ENSG00000244476 protein_coding	-4,492
FOLR3 ENSG00000110203 protein_coding	-7,866
SPNS3 ENSG00000182557 protein_coding	-4,556
FAM3B ENSG00000183844 protein_coding	-5,434
PROC ENSG00000115718 protein_coding	-3,841
TEK ENSG00000120156 protein_coding	-4,338

SLC4A11 ENSG00000088836 protein_coding	-4,263
TREH ENSG00000118094 protein_coding	-4,606
EYA1 ENSG00000104313 protein_coding	9,144
PIEZO1 ENSG00000103335 protein_coding	-3,971
PDZK1 ENSG00000174827 protein_coding	-5,127
TMEM238 ENSG00000233493 protein_coding	-3,687
TMPRSS13 ENSG00000137747 protein_coding	-4,789
MIOX ENSG00000100253 protein_coding	-5,276
SDC4 ENSG00000124145 protein_coding	-3,196
ABI3 ENSG00000108798 protein_coding	-3,200
VWA1 ENSG00000179403 protein_coding	-3,145
CYP1A1 ENSG00000140465 protein_coding	-6,336
SLC16A12 ENSG00000152779 protein_coding	-5,485
CALB1 ENSG00000104327 protein_coding	-7,369
PVALB ENSG00000100362 protein_coding	-5,674
SLC39A13 ENSG00000165915 protein_coding	-2,143
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NUSAP1 ENSG00000137804 protein_coding	4,870
MAGIX ENSG00000269313 protein_coding	-3,419
CFAP221 ENSG00000163075 protein_coding	-4,485
FSTL3 ENSG00000070404 protein_coding	-3,506
DEFB132 ENSG00000186458 protein_coding	-6,977
IMPA2 ENSG00000141401 protein_coding	-3,092
TRPM4 ENSG00000130529 protein_coding	-3,337
KIF12 ENSG00000136883 protein_coding	-4,981
CLDN2 ENSG00000165376 protein_coding	-7,813
CYP8B1 ENSG00000180432 protein_coding	-4,810
KLRG2 ENSG00000188883 protein_coding	-5,547
ZC3H12A ENSG00000163874 protein_coding	-4,020
CNDP2 ENSG00000133313 protein_coding	-2,536
ERP27 ENSG00000139055 protein_coding	-5,702
GSTM3 ENSG00000134202 protein_coding	-3,486
CASR ENSG00000036828 protein_coding	-7,332
ACSL5 ENSG00000197142 protein_coding	-3,235
CST6 ENSG00000175315 protein_coding	-6,698
SLCO4C1 ENSG00000173930 protein_coding	-4,931
NR0B2 ENSG00000131910 protein_coding	-6,359
MVP ENSG00000013364 protein_coding	-3,433
NR4A1 ENSG00000123358 protein_coding	-4,735
RNF223 ENSG00000237330 protein_coding	-5,273
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IGFBP7 ENSG00000163453 protein_coding	-3,627
EPAS1 ENSG00000116016 protein_coding	-3,028
SLC14A1 ENSG00000141469 protein_coding	-6,367
COL2A1 ENSG00000139219 protein_coding	10,602

LRRC19 ENSG00000184434 protein_coding	-4,649
B3GNT3 ENSG00000179913 protein_coding	-6,571
SLC16A7 ENSG00000118596 protein_coding	-4,939
TNFSF10 ENSG00000121858 protein_coding	-4,390
ILDR1 ENSG00000145103 protein_coding	-4,624
SIX1 ENSG00000126778 protein_coding	8,896
KRTAP5-8 ENSG00000241233 protein_coding	-4,820
FOSL2 ENSG00000075426 protein_coding	-3,468
TOP2A ENSG00000131747 protein_coding	5,541
HSPA2 ENSG00000126803 protein_coding	-4,438
TGM2 ENSG00000198959 protein_coding	-3,218
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CPEB3 ENSG00000107864 protein_coding	-2,712
SLC25A35 ENSG00000125434 protein_coding	-3,058
S100A3 ENSG00000188015 protein_coding	-4,734
FAM102A ENSG00000167106 protein_coding	-2,390
CNPPD1 ENSG00000115649 protein_coding	-2,159
TMEM51 ENSG00000171729 protein_coding	-3,059
RBKS ENSG00000171174 protein_coding	-3,008
OVCH2 ENSG00000183378 protein_coding	-5,455
GALNT14 ENSG00000158089 protein_coding	-4,495
TMEM61 ENSG00000143001 protein_coding	-5,801
MMP24-AS1 ENSG00000126005 protein_coding	-3,045
ITGB6 ENSG00000115221 protein_coding	-6,703
NFKBIZ ENSG00000144802 protein_coding	-3,822
AIF1L ENSG00000126878 protein_coding	-3,276
ARHGAP11A ENSG00000198826 protein_coding	4,495
APBA2 ENSG00000034053 protein_coding	4,800
FETUB ENSG00000090512 protein_coding	-5,774
RP1 ENSG00000104237 protein_coding	-5,371
GRAMD2 ENSG00000175318 protein_coding	-4,119
C1orf186 ENSG00000263961 protein_coding	-5,808
SLC38A11 ENSG00000169507 protein_coding	-6,346
HSD17B2 ENSG00000086696 protein_coding	-4,954
B3GNT8 ENSG00000177191 protein_coding	-3,834
IRF5 ENSG00000128604 protein_coding	-3,948
ITGB4 ENSG00000132470 protein_coding	-4,217
PLCXD2 ENSG00000240891 protein_coding	-4,252
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CXCL17 ENSG00000189377 protein_coding	-4,527
JUNB ENSG00000171223 protein_coding	-3,817
ACOT11 ENSG00000162390 protein_coding	-3,264
JADE2 ENSG00000043143 protein_coding	-3,658
PPP1R13L ENSG00000104881 protein_coding	-3,133

C1orf116 ENSG00000182795 protein_coding	-5,643
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WWC1 ENSG00000113645 protein_coding	-3,116
PLEKHS1 ENSG00000148735 protein_coding	-5,640
IL1RL1 ENSG00000115602 protein_coding	-5,702
LIF ENSG00000128342 protein_coding	-4,410
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NCAPG ENSG00000109805 protein_coding	5,149
SERPINA4 ENSG00000100665 protein_coding	-7,349
TMEM176B ENSG00000106565 protein_coding	-3,983
SIX2 ENSG00000170577 protein_coding	12,530
PRRG2 ENSG00000126460 protein_coding	-3,898
RNF144B ENSG00000137393 protein_coding	-3,826
CKAP2L ENSG00000169607 protein_coding	4,993
FXD3 ENSG00000089356 protein_coding	-4,287
NCEH1 ENSG00000144959 protein_coding	-2,735
KIF20A ENSG00000112984 protein_coding	4,518
LY75 ENSG00000054219 protein_coding	-4,097
PRSS22 ENSG00000005001 protein_coding	-6,278
CRYL1 ENSG00000165475 protein_coding	-3,402
KIF15 ENSG00000163808 protein_coding	5,446
KLKB1 ENSG00000164344 protein_coding	-3,633
PDE2A ENSG00000186642 protein_coding	-3,455
SLC3A1 ENSG00000138079 protein_coding	-5,948
GADD45B ENSG00000099860 protein_coding	-4,424
SKA3 ENSG00000165480 protein_coding	4,983
CYS1 ENSG00000205795 protein_coding	-6,142
PTK2B ENSG00000120899 protein_coding	-2,575
HAVCR1 ENSG00000113249 protein_coding	-5,475
HJURP ENSG00000123485 protein_coding	4,894
CTSD ENSG00000117984 protein_coding	-2,422
ARHGEF38 ENSG00000236699 protein_coding	-3,768
NCOA7 ENSG00000111912 protein_coding	-2,557
TM4SF1 ENSG00000169908 protein_coding	-3,350
GLTP ENSG00000139433 protein_coding	-2,060
MAB21L3 ENSG00000173212 protein_coding	-5,200
FOXQ1 ENSG00000164379 protein_coding	-5,964
ARG2 ENSG00000081181 protein_coding	-3,249
BUB1B ENSG00000156970 protein_coding	4,669
NOS3 ENSG00000164867 protein_coding	-3,207
TPX2 ENSG00000088325 protein_coding	5,053
SPAG5 ENSG00000076382 protein_coding	3,999
KCNJ3 ENSG00000162989 protein_coding	-5,951
C19orf33 ENSG00000167644 protein_coding	-4,695

ACADVL ENSG00000072778 protein_coding	-2,355
PPL ENSG00000118898 protein_coding	-3,663
GATA3 ENSG00000107485 protein_coding	-5,136
ACTR3C ENSG00000106526 protein_coding	-3,082
PROSER2 ENSG00000148426 protein_coding	-4,347
TROAP ENSG00000135451 protein_coding	5,089
POF1B ENSG00000124429 protein_coding	-4,331
CLDN16 ENSG00000113946 protein_coding	-6,470
NDC80 ENSG00000080986 protein_coding	4,363
ITLN1 ENSG00000179914 protein_coding	-7,601
FAM149A ENSG00000109794 protein_coding	-3,629
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TTK ENSG00000112742 protein_coding	5,511
CDCA7 ENSG00000144354 protein_coding	5,338
CDH16 ENSG00000166589 protein_coding	-8,605
SLC14A2 ENSG00000132874 protein_coding	-5,199
CYP4A11 ENSG00000187048 protein_coding	-5,844
GJB3 ENSG00000188910 protein_coding	-5,206
ST3GAL4 ENSG00000110080 protein_coding	-2,412
SLC34A2 ENSG00000157765 protein_coding	-6,282
ACSS1 ENSG00000154930 protein_coding	-3,894
BRIP1 ENSG00000136492 protein_coding	5,153
C10orf55 ENSG00000222047 protein_coding	-4,121
PKHD1 ENSG00000170927 protein_coding	-6,582
HPD ENSG00000158104 protein_coding	-3,700
C4orf19 ENSG00000154274 protein_coding	-4,083
PPP1R1A ENSG00000135447 protein_coding	-3,860
CLDN19 ENSG00000164007 protein_coding	-6,235
LCN12 ENSG00000184925 protein_coding	-4,310
C2orf54 ENSG00000172478 protein_coding	-6,412
CLEC3B ENSG00000163815 protein_coding	-4,457
RIPOR3 ENSG00000042062 protein_coding	-4,403
SEMA4A ENSG00000196189 protein_coding	-3,658
BUB1 ENSG00000169679 protein_coding	4,970
TFEB ENSG00000112561 protein_coding	-2,846
CPEB2 ENSG00000137449 protein_coding	-3,680
GABARAPL1 ENSG00000139112 protein_coding	-2,778
EDDM3A ENSG00000181562 protein_coding	-6,259
NCAPH ENSG00000121152 protein_coding	5,003
BICDL2 ENSG00000162069 protein_coding	-5,727
SGIP1 ENSG00000118473 protein_coding	-3,632
AQP7 ENSG00000165269 protein_coding	-4,563
ACADL ENSG00000115361 protein_coding	-6,265
LLGL2 ENSG00000073350 protein_coding	-3,088
CENPA ENSG00000115163 protein_coding	5,101

PRKN ENSG00000185345 protein_coding	-3,326
CDC6 ENSG00000094804 protein_coding	3,981
TSPAN1 ENSG00000117472 protein_coding	-5,345
FGD3 ENSG00000127084 protein_coding	-2,870
ADGRG1 ENSG00000205336 protein_coding	-3,858
SLC16A1 ENSG00000155380 protein_coding	4,302
PIK3IP1 ENSG00000100100 protein_coding	-3,074
SULT1C2 ENSG00000198203 protein_coding	-3,481
PTGS1 ENSG00000095303 protein_coding	-4,803
AKR7A3 ENSG00000162482 protein_coding	-3,121
IRF1 ENSG00000125347 protein_coding	-2,670
C5AR2 ENSG00000134830 protein_coding	-3,577
KIF11 ENSG00000138160 protein_coding	4,354
GIMAP5 ENSG00000196329 protein_coding	-3,511
MELK ENSG00000165304 protein_coding	4,719
SPINK1 ENSG00000164266 protein_coding	-8,214
NUDT8 ENSG00000167799 protein_coding	-3,170
NKAIN1 ENSG00000084628 protein_coding	8,570
EXO1 ENSG00000174371 protein_coding	5,330
KCNE1B ENSG00000276289 protein_coding	-4,667
ALDH8A1 ENSG00000118514 protein_coding	-4,049
TNFRSF11B ENSG00000164761 protein_coding	-5,287
KIF18B ENSG00000186185 protein_coding	4,975
ENG ENSG00000106991 protein_coding	-3,140
CRIM1 ENSG00000150938 protein_coding	-2,163
CISH ENSG00000114737 protein_coding	-2,278
KLHL23 ENSG00000213160 protein_coding	3,746
SMIM22 ENSG00000267795 protein_coding	-5,658
WNT7B ENSG00000188064 protein_coding	-6,575
CASP10 ENSG00000003400 protein_coding	-3,168
ASPA ENSG00000108381 protein_coding	-4,409
STARD8 ENSG00000130052 protein_coding	-3,093
ST8SIA2 ENSG00000140557 protein_coding	8,552
LINC00694 ENSG00000225873 protein_coding	-3,894
MCM10 ENSG00000065328 protein_coding	5,485
HGD ENSG00000113924 protein_coding	-5,711
SLC5A3 ENSG00000198743 protein_coding	-2,287
LNX1 ENSG00000072201 protein_coding	-2,629
CENPE ENSG00000138778 protein_coding	4,877
CCNI2 ENSG00000205089 protein_coding	-4,539
SH3TC1 ENSG00000125089 protein_coding	-2,765
SPP1 ENSG00000118785 protein_coding	-5,476
LPCAT2 ENSG00000087253 protein_coding	-3,311
TM4SF18 ENSG00000163762 protein_coding	-2,796
CDC20 ENSG00000117399 protein_coding	4,455

SGO1 ENSG00000129810 protein_coding	4,769
CPVL ENSG00000106066 protein_coding	-3,234
ATP6V1G3 ENSG00000151418 protein_coding	-7,627
DTL ENSG00000143476 protein_coding	4,837
SPTBN2 ENSG00000173898 protein_coding	-3,040
FGA ENSG00000171560 protein_coding	-7,481
CBR1 ENSG00000159228 protein_coding	-2,320
ZFYVE28 ENSG00000159733 protein_coding	-3,674
TLR5 ENSG00000187554 protein_coding	-3,365
MGLL ENSG00000074416 protein_coding	-2,965
EDN2 ENSG00000127129 protein_coding	-5,848
RASSF7 ENSG00000099849 protein_coding	-2,774
UPK1A ENSG00000105668 protein_coding	-5,520
KIF14 ENSG00000118193 protein_coding	5,402
KIF13B ENSG00000197892 protein_coding	-3,058
MVK ENSG00000110921 protein_coding	-2,278
FAM83D ENSG00000101447 protein_coding	4,833
AK7 ENSG00000140057 protein_coding	-3,351
KIF18A ENSG00000121621 protein_coding	4,802
ESRRA ENSG00000173153 protein_coding	-2,385
SYNGR2 ENSG00000108639 protein_coding	-2,451
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UHRF1 ENSG00000276043 protein_coding	5,358
HAO2 ENSG00000116882 protein_coding	-4,312
MMRN2 ENSG00000173269 protein_coding	-2,931
USP53 ENSG00000145390 protein_coding	-2,365
CDK2AP2 ENSG00000167797 protein_coding	-2,431
SFN ENSG00000175793 protein_coding	-4,666
HMGCS2 ENSG00000134240 protein_coding	-8,005
TACC1 ENSG00000147526 protein_coding	-2,413
RAET1G ENSG00000203722 protein_coding	-3,303
POU2F3 ENSG00000137709 protein_coding	-4,193
TCTA ENSG00000145022 protein_coding	-2,344
SLC16A4 ENSG00000168679 protein_coding	-3,352
C1orf64 ENSG00000183888 protein_coding	-6,154
PTGER3 ENSG00000050628 protein_coding	-6,058
ROS1 ENSG00000047936 protein_coding	-6,381
CFAP99 ENSG00000206113 protein_coding	-4,288
PCDH1 ENSG00000156453 protein_coding	-3,407
SLC48A1 ENSG00000211584 protein_coding	-2,549
BHMT ENSG00000145692 protein_coding	-6,272
SLC26A4 ENSG00000091137 protein_coding	-3,684
PLCL1 ENSG00000115896 protein_coding	-3,540
NAGS ENSG00000161653 protein_coding	-2,950
HLA-E ENSG00000204592 protein_coding	-2,506

MUC15 ENSG00000169550 protein_coding	-8,324
REEP5 ENSG00000129625 protein_coding	-2,285
MFSD6L ENSG00000185156 protein_coding	-5,425
AURKB ENSG00000178999 protein_coding	4,824
PRR11 ENSG00000068489 protein_coding	3,868
SEMG1 ENSG00000124233 protein_coding	-6,389
LRRK2 ENSG00000188906 protein_coding	-4,110
KLF2 ENSG00000127528 protein_coding	-3,641
CA2 ENSG00000104267 protein_coding	-4,720
MT-ND4L ENSG00000212907 protein_coding	-2,489
ZNF331 ENSG00000130844 protein_coding	-2,198
FAM217A ENSG00000145975 protein_coding	-3,969
E2F7 ENSG00000165891 protein_coding	5,073
MEOX1 ENSG00000005102 protein_coding	8,799
IL17C ENSG00000124391 protein_coding	-4,571
SLC25A30 ENSG00000174032 protein_coding	-2,332
RDH8 ENSG00000080511 protein_coding	-7,278
ZHX3 ENSG00000174306 protein_coding	-2,668
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TMEM207 ENSG00000198398 protein_coding	-7,904
LRIT3 ENSG00000183423 protein_coding	-3,526
BICC1 ENSG00000122870 protein_coding	-3,718
SPR ENSG00000116096 protein_coding	-3,987
MALL ENSG00000144063 protein_coding	-3,358
KCNJ13 ENSG00000115474 protein_coding	-4,229
S100A4 ENSG00000196154 protein_coding	-3,948
RRAD ENSG00000166592 protein_coding	-5,414
CDCA8 ENSG00000134690 protein_coding	4,309
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TUFT1 ENSG00000143367 protein_coding	-2,721
PAQR7 ENSG00000182749 protein_coding	-2,199
KCNJ16 ENSG00000153822 protein_coding	-5,962
BHLHE40 ENSG00000134107 protein_coding	-3,241
CLDN23 ENSG00000253958 protein_coding	-4,410
PRR15 ENSG00000176532 protein_coding	-5,112
LRRC32 ENSG00000137507 protein_coding	-3,060
KIFC1 ENSG00000237649 protein_coding	4,701
NEK2 ENSG00000117650 protein_coding	5,699
S100A14 ENSG00000189334 protein_coding	-5,234
MT-ATP8 ENSG00000228253 protein_coding	-2,351
SERPING1 ENSG00000149131 protein_coding	-2,619
ADD2 ENSG00000075340 protein_coding	7,867
FAM83F ENSG00000133477 protein_coding	-4,050
C9orf24 ENSG00000164972 protein_coding	-4,246
GPRC5C ENSG00000170412 protein_coding	-2,328

ASPM ENSG00000066279 protein_coding	5,761
SERINC2 ENSG00000168528 protein_coding	-3,155
STAT3 ENSG00000168610 protein_coding	-2,205
IER2 ENSG00000160888 protein_coding	-2,515
CD82 ENSG00000085117 protein_coding	-3,672
MACC1 ENSG00000183742 protein_coding	-5,495
PSG4 ENSG00000243137 protein_coding	-5,639
BIRC3 ENSG00000023445 protein_coding	-3,491
ROBO1 ENSG00000169855 protein_coding	3,855
B3GALT4 ENSG00000235863 protein_coding	-2,786
DLGAP5 ENSG00000126787 protein_coding	5,612
ACADS ENSG00000122971 protein_coding	-2,596
VASH2 ENSG00000143494 protein_coding	5,481
KNL1 ENSG00000137812 protein_coding	3,717
EHD4 ENSG00000103966 protein_coding	-2,034
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RASGRP1 ENSG00000172575 protein_coding	-3,939
CXCL2 ENSG00000081041 protein_coding	-4,451
BIRC5 ENSG00000089685 protein_coding	4,845
HBEGF ENSG00000113070 protein_coding	-3,218
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C11orf80 ENSG00000173715 protein_coding	-2,234
AP1S3 ENSG00000152056 protein_coding	-2,821
ATP6V1C2 ENSG00000143882 protein_coding	-2,851
MYO3B ENSG00000071909 protein_coding	-4,772
BCAS1 ENSG00000064787 protein_coding	-4,725
CKAP2 ENSG00000136108 protein_coding	3,671
IL1RL2 ENSG00000115598 protein_coding	-4,650
MYBL2 ENSG00000101057 protein_coding	5,734
ADH1C ENSG00000248144 protein_coding	-5,273
MEX3B ENSG00000183496 protein_coding	4,372
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SLC22A18 ENSG00000110628 protein_coding	-3,269
CDCA2 ENSG00000184661 protein_coding	5,290
ESAM ENSG00000149564 protein_coding	-2,929
MT-ND5 ENSG00000198786 protein_coding	-2,909
C11orf52 ENSG00000149300 protein_coding	-3,871
A4GALT ENSG00000128274 protein_coding	-3,616
DENND2D ENSG00000162777 protein_coding	-3,321
ETV5 ENSG00000244405 protein_coding	4,397
CDCA5 ENSG00000146670 protein_coding	4,158
MMP16 ENSG00000156103 protein_coding	6,223
CRB3 ENSG00000130545 protein_coding	-4,869
GGTLC2 ENSG00000100121 protein_coding	-4,893

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PIMREG ENSG00000129195 protein_coding	4,415
NREP ENSG00000134986 protein_coding	3,092
ALDH1L1 ENSG00000144908 protein_coding	-4,241
KLF9 ENSG00000119138 protein_coding	-2,742
B4GALNT4 ENSG00000182272 protein_coding	5,025
RAD51 ENSG00000051180 protein_coding	3,837
PLK4 ENSG00000142731 protein_coding	3,572
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BTG2 ENSG00000159388 protein_coding	-3,259
TP53INP2 ENSG00000078804 protein_coding	-2,564
FAM151A ENSG00000162391 protein_coding	-3,219
CCDC138 ENSG00000163006 protein_coding	3,125
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ALDH1A1 ENSG00000165092 protein_coding	-4,541
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CCNA2 ENSG00000145386 protein_coding	4,428
CAPG ENSG00000042493 protein_coding	-3,418
MAL ENSG00000172005 protein_coding	-5,869
L1CAM ENSG00000198910 protein_coding	-4,518
ALS2CL ENSG00000178038 protein_coding	-3,594
ACKR1 ENSG00000213088 protein_coding	-6,290
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CCNB2 ENSG00000157456 protein_coding	4,422
PSRC1 ENSG00000134222 protein_coding	3,170
NEIL3 ENSG00000109674 protein_coding	4,981
CDCA3 ENSG00000111665 protein_coding	3,467
TANGO2 ENSG00000183597 protein_coding	-2,171
CEP55 ENSG00000138180 protein_coding	4,130
CHN1 ENSG00000128656 protein_coding	2,864
GTSE1 ENSG00000075218 protein_coding	4,760
SLC44A3 ENSG00000143036 protein_coding	-3,802
SERPINA5 ENSG00000188488 protein_coding	-4,766
PRRG1 ENSG00000130962 protein_coding	-3,110
RBPM5 ENSG00000157110 protein_coding	-2,332
ABCC3 ENSG00000108846 protein_coding	-3,953
SPAAR ENSG00000235387 protein_coding	-2,953
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CTF1 ENSG00000150281 protein_coding	-2,856

ITGB7 ENSG00000139626 protein_coding	-3,436
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FBXO2 ENSG00000116661 protein_coding	-4,250
TOB1 ENSG00000141232 protein_coding	-2,467
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GPBAR1 ENSG00000179921 protein_coding	-3,224
GJC1 ENSG00000182963 protein_coding	3,397
KCNE1 ENSG00000180509 protein_coding	-4,330
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CLYBL ENSG00000125246 protein_coding	-2,484
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FGF8 ENSG00000107831 protein_coding	9,027
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PRODH ENSG00000100033 protein_coding	-5,491
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POLQ ENSG00000051341 protein_coding	4,833
HMMR ENSG00000072571 protein_coding	4,305
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CCDC69 ENSG00000198624 protein_coding	-2,514
APOL3 ENSG00000128284 protein_coding	-2,914
SPC25 ENSG00000152253 protein_coding	3,976
MYB ENSG00000118513 protein_coding	7,170
SKP2 ENSG00000145604 protein_coding	3,604
PIGR ENSG00000162896 protein_coding	-5,496
ABO ENSG00000175164 protein_coding	-3,882
BNIP1 ENSG00000163141 protein_coding	-2,890
ATAD2 ENSG00000156802 protein_coding	3,225
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CABP4 ENSG00000175544 protein_coding	-3,236
IVL ENSG00000163207 protein_coding	-7,373
MAOB ENSG00000069535 protein_coding	-3,897

CENPH ENSG00000153044 protein_coding	3,375
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KCNN1 ENSG00000105642 protein_coding	5,486
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PBK ENSG00000168078 protein_coding	4,438
LYNX1 ENSG00000180155 protein_coding	-3,296
IL1R2 ENSG00000115590 protein_coding	-4,652
NR4A2 ENSG00000153234 protein_coding	-3,827
XRCC2 ENSG00000196584 protein_coding	4,005
CU639417.2 ENSG00000275993 protein_coding	-3,392
GALNT15 ENSG00000131386 protein_coding	-3,339
DENND3 ENSG00000105339 protein_coding	-2,261
BLM ENSG00000197299 protein_coding	4,023
LINC00371 ENSG00000226792 protein_coding	-4,981
BCL3 ENSG00000069399 protein_coding	-2,830
NKAIN3 ENSG00000185942 protein_coding	7,878
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FANCI ENSG00000140525 protein_coding	3,701
FZD7 ENSG00000155760 protein_coding	4,259
GOT1 ENSG00000120053 protein_coding	-2,177
KLHDC7B ENSG00000130487 protein_coding	-3,912
HDAC11 ENSG00000163517 protein_coding	-2,459
RORC ENSG00000143365 protein_coding	-4,712
CDH7 ENSG00000081138 protein_coding	10,147
NPY5R ENSG00000164129 protein_coding	-5,104
ESCO2 ENSG00000171320 protein_coding	4,637
ZNF519 ENSG00000175322 protein_coding	3,060
PRC1 ENSG00000198901 protein_coding	3,371
AGPAT2 ENSG00000169692 protein_coding	-2,020
UBE2C ENSG00000175063 protein_coding	4,945
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CENPF ENSG00000117724 protein_coding	5,771
PIF1 ENSG00000140451 protein_coding	4,998
IL18BP ENSG00000137496 protein_coding	-2,060
MPC1 ENSG00000060762 protein_coding	-2,753
COMTD1 ENSG00000165644 protein_coding	-2,864
TLR3 ENSG00000164342 protein_coding	-3,208
FBXO5 ENSG00000112029 protein_coding	3,554
MTRNR2L12 ENSG00000269028 protein_coding	-3,258
CLDN15 ENSG00000106404 protein_coding	-2,337
NUF2 ENSG00000143228 protein_coding	5,449
MTRNR2L8 ENSG00000255823 protein_coding	-3,203

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PRKAG2 ENSG00000106617 protein_coding	-2,315
SLC6A6 ENSG00000131389 protein_coding	-2,452
MAFF ENSG00000185022 protein_coding	-2,913
CLGN ENSG00000153132 protein_coding	5,248
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TRADD ENSG00000102871 protein_coding	-3,000
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CENPU ENSG00000151725 protein_coding	3,954
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TIMD4 ENSG00000145850 protein_coding	-4,089
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EMX1 ENSG00000135638 protein_coding	-6,487
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THRB ENSG00000151090 protein_coding	-3,970
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RNF213 ENSG00000173821 protein_coding	-2,209
ALDH3B2 ENSG00000132746 protein_coding	-5,168
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ADHFE1 ENSG00000147576 protein_coding	-2,697
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E2F1 ENSG00000101412 protein_coding	3,058
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PRR15L ENSG00000167183 protein_coding	-5,188
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SOCS3 ENSG00000184557 protein_coding	-3,122
PSG5 ENSG00000204941 protein_coding	-4,856
LZTS3 ENSG00000088899 protein_coding	-2,565
SLC2A13 ENSG00000151229 protein_coding	-2,316
ABHD14B ENSG00000114779 protein_coding	-2,171
KIF1A ENSG00000130294 protein_coding	7,791
ECHDC3 ENSG00000134463 protein_coding	-3,037
ERMP1 ENSG00000099219 protein_coding	-2,178
CD151 ENSG00000177697 protein_coding	-2,068
MTBP ENSG00000172167 protein_coding	2,942
TUBB ENSG00000196230 protein_coding	2,360
DHH ENSG00000139549 protein_coding	-3,096
ICAM1 ENSG00000090339 protein_coding	-3,284
SGO2 ENSG00000163535 protein_coding	3,125
ANXA4 ENSG00000196975 protein_coding	-2,244
PTTG1 ENSG00000164611 protein_coding	4,321
SLC22A12 ENSG00000197891 protein_coding	-5,676
ZBTB4 ENSG00000174282 protein_coding	-2,283
TET1 ENSG00000138336 protein_coding	3,696
ZC2HC1C ENSG00000119703 protein_coding	-2,302
OSBPL6 ENSG00000079156 protein_coding	4,866
ZNF280C ENSG00000056277 protein_coding	2,577
SOBP ENSG00000112320 protein_coding	3,412
EGR2 ENSG00000122877 protein_coding	-3,989
ARHGAP24 ENSG00000138639 protein_coding	-2,578
ZBTB8B ENSG00000273274 protein_coding	3,614
CBX2 ENSG00000173894 protein_coding	4,123
KRT13 ENSG00000171401 protein_coding	-6,688
PQLC3 ENSG00000162976 protein_coding	-2,507
WDHD1 ENSG00000198554 protein_coding	2,910

GBP3 ENSG00000117226 protein_coding	-3,018
MND1 ENSG00000121211 protein_coding	4,164
MAN1A1 ENSG00000111885 protein_coding	-3,194
LTB ENSG00000227507 protein_coding	-3,262
TRAIP ENSG00000183763 protein_coding	2,917
ACE2 ENSG00000130234 protein_coding	-2,745
NCAM1 ENSG00000149294 protein_coding	4,271
GLOD5 ENSG00000171433 protein_coding	-4,130
TJP3 ENSG00000105289 protein_coding	-4,251
OSGIN1 ENSG00000140961 protein_coding	-2,809
DUOX2 ENSG00000140279 protein_coding	-3,765
C1orf115 ENSG00000162817 protein_coding	-2,468
TMEM102 ENSG00000181284 protein_coding	-2,768
SLF1 ENSG00000133302 protein_coding	2,494
ADGRF1 ENSG00000153292 protein_coding	-4,391
SGK1 ENSG00000118515 protein_coding	-2,961
RAD51AP1 ENSG00000111247 protein_coding	4,107
CDC7 ENSG00000097046 protein_coding	2,994
SLIT1 ENSG00000187122 protein_coding	7,104
DEPDC1B ENSG00000035499 protein_coding	4,539
ARL4D ENSG00000175906 protein_coding	-2,657
GPR182 ENSG00000166856 protein_coding	-3,070
GPRC5A ENSG00000013588 protein_coding	-3,744
SAT1 ENSG00000130066 protein_coding	-2,664
LMNB1 ENSG00000113368 protein_coding	3,888
SLC15A2 ENSG00000163406 protein_coding	-3,811
CCDC160 ENSG00000203952 protein_coding	-3,412
UGT2B7 ENSG00000171234 protein_coding	-6,439
GPRC5B ENSG00000167191 protein_coding	-2,267
IQUB ENSG00000164675 protein_coding	-2,941
TMEM255B ENSG00000184497 protein_coding	-2,679
GUCA1C ENSG00000138472 protein_coding	-5,562
TCIRG1 ENSG00000110719 protein_coding	-2,720
RCOR2 ENSG00000167771 protein_coding	4,345
PCYT1B ENSG00000102230 protein_coding	5,914
SLC16A11 ENSG00000174326 protein_coding	-3,616
RRM2 ENSG00000171848 protein_coding	4,318
MT-ND1 ENSG00000198888 protein_coding	-2,580
TFF1 ENSG00000160182 protein_coding	-4,361
KLHL21 ENSG00000162413 protein_coding	-2,410
KANK3 ENSG00000186994 protein_coding	-2,949
TTC22 ENSG00000006555 protein_coding	-5,089
CDH2 ENSG00000170558 protein_coding	4,088
CGN ENSG00000143375 protein_coding	-3,458
MYCN ENSG00000134323 protein_coding	5,688

MT-ND6 ENSG00000198695 protein_coding	-2,903
DNA2 ENSG00000138346 protein_coding	3,651
DACH1 ENSG00000276644 protein_coding	4,015
RARRES3 ENSG00000133321 protein_coding	-3,468
SLC44A4 ENSG00000204385 protein_coding	-3,763
KNSTRN ENSG00000128944 protein_coding	2,751
CRYZ ENSG00000116791 protein_coding	-2,351
ARHGAP8 ENSG00000241484 protein_coding	-3,194
CLIC6 ENSG00000159212 protein_coding	-4,930
EZH2 ENSG00000106462 protein_coding	3,425
UPP1 ENSG00000183696 protein_coding	-2,736
GIPR ENSG00000010310 protein_coding	-3,447
TTC16 ENSG00000167094 protein_coding	-3,132
AKR1B1 ENSG00000085662 protein_coding	-2,139
SLC1A1 ENSG00000106688 protein_coding	-3,256
P2RY6 ENSG00000171631 protein_coding	-3,355
CD74 ENSG00000019582 protein_coding	-2,558
GJB1 ENSG00000169562 protein_coding	-4,996
GRAMD3 ENSG00000155324 protein_coding	-2,056
KIF20B ENSG00000138182 protein_coding	2,490
ZWINT ENSG00000122952 protein_coding	2,749
CAVIN3 ENSG00000170955 protein_coding	-3,012
TLDC2 ENSG00000101342 protein_coding	-2,505
ARSD ENSG00000006756 protein_coding	-2,164
SPDL1 ENSG00000040275 protein_coding	2,436
NR1H4 ENSG00000012504 protein_coding	-6,037
FBXO44 ENSG00000132879 protein_coding	-2,239
MT-CO1 ENSG00000198804 protein_coding	-2,433
N4BP2 ENSG00000078177 protein_coding	2,656
LDLRAD3 ENSG00000179241 protein_coding	2,702
C4orf46 ENSG00000205208 protein_coding	2,697
CYB5D2 ENSG00000167740 protein_coding	-2,053
HEPACAM2 ENSG00000188175 protein_coding	-5,427
GGT1 ENSG00000100031 protein_coding	-3,269
SEPT3 ENSG00000100167 protein_coding	5,610
ZBTB7B ENSG00000160685 protein_coding	-2,206
TRPV4 ENSG00000111199 protein_coding	-2,771
GJB4 ENSG00000189433 protein_coding	-4,416
PDK4 ENSG00000004799 protein_coding	-2,734
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QRFPR ENSG00000186867 protein_coding	-4,509
EPGN ENSG00000182585 protein_coding	-4,154
C1orf168 ENSG00000187889 protein_coding	-5,597
AGRP ENSG00000159723 protein_coding	-3,203

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RTKN2 ENSG00000182010 protein_coding	3,260
GINS1 ENSG00000101003 protein_coding	2,800
PCK1 ENSG00000124253 protein_coding	-5,223
STOM ENSG00000148175 protein_coding	-2,377
HNF1B ENSG00000275410 protein_coding	-5,237
CDKL2 ENSG00000138769 protein_coding	-2,974
TCN2 ENSG00000185339 protein_coding	-2,161
VWA5A ENSG00000110002 protein_coding	-3,287
PKMYT1 ENSG00000127564 protein_coding	3,832
KLF6 ENSG00000067082 protein_coding	-2,287
GGT5 ENSG00000099998 protein_coding	-3,172
COL7A1 ENSG00000114270 protein_coding	-3,284
KIF23 ENSG00000137807 protein_coding	2,907
HPN ENSG00000105707 protein_coding	-3,999
NHLRC4 ENSG00000257108 protein_coding	-2,544
CCDC150 ENSG00000144395 protein_coding	3,864
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FOXA3 ENSG00000170608 protein_coding	-4,814
TNFRSF12A ENSG00000006327 protein_coding	-3,027
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CCDC148 ENSG00000153237 protein_coding	-2,199
AGR3 ENSG00000173467 protein_coding	-5,627
UBD ENSG00000213886 protein_coding	-5,089
BARD1 ENSG00000138376 protein_coding	2,224
TXK ENSG00000074966 protein_coding	-2,856
HNF1A ENSG00000135100 protein_coding	-4,113
PRDM16 ENSG00000142611 protein_coding	-5,343
CD40 ENSG00000101017 protein_coding	-2,951
WASF1 ENSG00000112290 protein_coding	2,888
PDE7A ENSG00000205268 protein_coding	2,474
NPY1R ENSG00000164128 protein_coding	-3,769
CNTD2 ENSG00000105219 protein_coding	-4,246
ENAH ENSG00000154380 protein_coding	2,792
C5orf38 ENSG00000186493 protein_coding	-5,970
PDGFB ENSG00000100311 protein_coding	-2,504
ZBTB7A ENSG00000178951 protein_coding	-2,051
RAB19 ENSG00000146955 protein_coding	-3,313
PITPNM2 ENSG00000090975 protein_coding	-2,324
GAA ENSG00000171298 protein_coding	-2,070

SCML2 ENSG00000102098 protein_coding	3,637
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ESPL1 ENSG00000135476 protein_coding	4,392
ASF1B ENSG00000105011 protein_coding	3,150
EVPL ENSG00000167880 protein_coding	-3,564
SMIM24 ENSG00000095932 protein_coding	-4,707
GIMAP1 ENSG00000213203 protein_coding	-2,791
MT1E ENSG00000169715 protein_coding	-3,937
ESRP2 ENSG00000103067 protein_coding	-3,214
FN3K ENSG00000167363 protein_coding	-2,425
IQGAP3 ENSG00000183856 protein_coding	4,034
WFDC2 ENSG00000101443 protein_coding	-2,702
TRIM47 ENSG00000132481 protein_coding	-2,865
EPS8L3 ENSG00000198758 protein_coding	-6,041
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GPER1 ENSG00000164850 protein_coding	-3,429
GCGR ENSG00000215644 protein_coding	-5,249
FOS ENSG00000170345 protein_coding	-3,939
GNGT2 ENSG00000167083 protein_coding	-2,656
MCM2 ENSG00000073111 protein_coding	3,267
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COL4A3 ENSG00000169031 protein_coding	-4,425
SOD3 ENSG00000109610 protein_coding	-4,063
CDK1 ENSG00000170312 protein_coding	3,465
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SHB ENSG00000107338 protein_coding	-2,058
DEFB127 ENSG00000088782 protein_coding	-5,544
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MLKL ENSG00000168404 protein_coding	-2,249
GIMAP8 ENSG00000171115 protein_coding	-2,487
ORC6 ENSG00000091651 protein_coding	4,048
HDAC2 ENSG00000196591 protein_coding	2,046
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CABP1 ENSG00000157782 protein_coding	-3,531
STARD10 ENSG00000214530 protein_coding	-2,050
PIANP ENSG00000139200 protein_coding	3,438
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FOXN1 ENSG00000111206 protein_coding	4,725
UPK2 ENSG00000110375 protein_coding	-3,363
RBM47 ENSG00000163694 protein_coding	-3,131
CRHBP ENSG00000145708 protein_coding	-3,912
STMN1 ENSG00000117632 protein_coding	2,869
TBC1D2 ENSG00000095383 protein_coding	-2,209
BRCA1 ENSG00000012048 protein_coding	2,946
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PARBP ENSG00000185480 protein_coding	3,609
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METRNL ENSG00000176845 protein_coding	-2,746
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KIAA0040 ENSG00000235750 protein_coding	-2,561
SYT8 ENSG00000149043 protein_coding	-4,555
RBP4 ENSG00000138207 protein_coding	-4,435
MSH6 ENSG00000116062 protein_coding	2,296
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CYP4V2 ENSG00000145476 protein_coding	-2,360
ADGRF2 ENSG00000164393 protein_coding	-4,896
CBLC ENSG00000142273 protein_coding	-4,209
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TACC3 ENSG00000013810 protein_coding	3,242
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PURG ENSG00000172733 protein_coding	3,063
OIP5 ENSG00000104147 protein_coding	3,868
DUSP9 ENSG00000130829 protein_coding	-3,095
C17orf53 ENSG00000125319 protein_coding	2,888
ASCL2 ENSG00000183734 protein_coding	-3,657
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CYP4F11 ENSG00000171903 protein_coding	-5,334
EGR1 ENSG00000120738 protein_coding	-3,676
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RBP2 ENSG00000114113 protein_coding	-2,705
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CHRNA5 ENSG00000169684 protein_coding	3,816
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FBXL8 ENSG00000135722 protein_coding	-3,278
KPNA2 ENSG00000182481 protein_coding	2,924
EMILIN3 ENSG00000183798 protein_coding	6,393
ROBO4 ENSG00000154133 protein_coding	-2,526
ZNF695 ENSG00000197472 protein_coding	4,688
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ANKRD2 ENSG00000165887 protein_coding	-5,424
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NUPR2 ENSG00000185290 protein_coding	-4,555
LMNTD2 ENSG00000185522 protein_coding	-2,705
GSG2 ENSG00000177602 protein_coding	4,369
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BRCA2 ENSG00000139618 protein_coding	3,661
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DUSP15 ENSG00000149599 protein_coding	-2,180
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KNTC1 ENSG00000184445 protein_coding	2,879
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MMS22L ENSG00000146263 protein_coding	2,266
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MT-CO3 ENSG00000198938 protein_coding	-2,123
SAA2 ENSG00000134339 protein_coding	-3,922
FOSL1 ENSG00000175592 protein_coding	-3,004
SHISA2 ENSG00000180730 protein_coding	4,556
TMEM125 ENSG00000179178 protein_coding	-4,118
TDGF1 ENSG00000241186 protein_coding	-5,187
CITED1 ENSG00000125931 protein_coding	7,406
TAL1 ENSG00000162367 protein_coding	-2,508
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USHBP1 ENSG00000130307 protein_coding	-2,309
CD177 ENSG00000204936 protein_coding	-4,009
CXCL14 ENSG00000145824 protein_coding	-4,559
PON3 ENSG00000105852 protein_coding	-3,381
PSCA ENSG00000167653 protein_coding	-4,349
MT-CO2 ENSG00000198712 protein_coding	-2,064
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PER1 ENSG00000179094 protein_coding	-2,022
CNKSRI ENSG00000142675 protein_coding	-2,920
SACS ENSG00000151835 protein_coding	3,285
NMRK1 ENSG00000106733 protein_coding	-2,321
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CEP78 ENSG00000148019 protein_coding	2,065
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KRT19 ENSG00000171345 protein_coding	-2,989
PRR5L ENSG00000135362 protein_coding	-2,098
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HMGB3 ENSG00000029993 protein_coding	2,578
ZGRF1 ENSG00000138658 protein_coding	2,802
PDE6G ENSG00000185527 protein_coding	-3,142
GABRE ENSG00000102287 protein_coding	-3,158
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COL18A1 ENSG00000182871 protein_coding	-2,056
SLC22A11 ENSG00000168065 protein_coding	-3,278
SPINT1 ENSG00000166145 protein_coding	-2,370
GIMAP7 ENSG00000179144 protein_coding	-2,722
DEK ENSG00000124795 protein_coding	2,195
SSH3 ENSG00000172830 protein_coding	-2,341
PRIM2 ENSG00000146143 protein_coding	2,201
TEX15 ENSG00000133863 protein_coding	7,809
KRT80 ENSG00000167767 protein_coding	-3,633
CRISP3 ENSG00000096006 protein_coding	-5,445
CHRNA1 ENSG00000138435 protein_coding	11,402
BSPRY ENSG00000119411 protein_coding	-3,953
NMUR2 ENSG00000132911 protein_coding	-4,354
ZNF730 ENSG00000183850 protein_coding	4,338
DTNA ENSG00000134769 protein_coding	3,803
CENPP ENSG00000188312 protein_coding	2,588
SCD ENSG00000099194 protein_coding	3,887
CENPM ENSG00000100162 protein_coding	3,141
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SAA2-SAA4 ENSG00000255071 protein_coding	-5,749
DGKK ENSG00000274588 protein_coding	12,113
SMTNL2 ENSG00000188176 protein_coding	-2,928
TGIF2 ENSG00000118707 protein_coding	2,109
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LCK ENSG00000182866 protein_coding	-2,919
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PRSS8 ENSG00000052344 protein_coding	-3,008
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HNMT ENSG00000150540 protein_coding	-2,866
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AMN ENSG00000166126 protein_coding	-3,603
IRAK2 ENSG00000134070 protein_coding	-2,293
GIN52 ENSG00000131153 protein_coding	3,572
GABRP ENSG00000094755 protein_coding	-3,757
HSF2 ENSG00000025156 protein_coding	2,127
KCNIP4 ENSG00000185774 protein_coding	-2,395
FBN3 ENSG00000142449 protein_coding	4,805
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G6PC ENSG00000131482 protein_coding	-4,319
ASIC5 ENSG00000256394 protein_coding	-5,469
GBP4 ENSG00000162654 protein_coding	-2,165
PPARG ENSG00000132170 protein_coding	-2,523
DEPTOR ENSG00000155792 protein_coding	-2,245
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HMX2 ENSG00000188816 protein_coding	-5,575
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ENTPD8 ENSG00000188833 protein_coding	-3,477
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SOX17 ENSG00000164736 protein_coding	-2,845
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ZRANB3 ENSG00000121988 protein_coding	2,171
VEPH1 ENSG00000197415 protein_coding	-3,209
E2F3 ENSG00000112242 protein_coding	2,550
LCN6 ENSG00000267206 protein_coding	-4,217
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ZNF521 ENSG00000198795 protein_coding	4,405
CCNF ENSG00000162063 protein_coding	3,192
CXCL16 ENSG00000161921 protein_coding	-2,467
COL9A1 ENSG00000112280 protein_coding	5,112
LIMS2 ENSG00000072163 protein_coding	-2,328
KIAA1524 ENSG00000163507 protein_coding	3,199
LIN9 ENSG00000183814 protein_coding	2,367
SPSB4 ENSG00000175093 protein_coding	4,088
CARMIL1 ENSG00000079691 protein_coding	-2,034
C14orf105 ENSG00000100557 protein_coding	-5,113
TMPO ENSG00000120802 protein_coding	2,235
TMED6 ENSG00000157315 protein_coding	-2,067
CLSPN ENSG00000092853 protein_coding	4,320
LAMA4 ENSG00000112769 protein_coding	3,722
NELL2 ENSG00000184613 protein_coding	7,062
H2AFY2 ENSG00000099284 protein_coding	2,029
PRSS23 ENSG00000150687 protein_coding	-2,301
C16orf89 ENSG00000153446 protein_coding	-3,618
CENPO ENSG00000138092 protein_coding	2,453
COX7A1 ENSG00000161281 protein_coding	-3,813
LDLRAD1 ENSG00000203985 protein_coding	-4,522
PNP ENSG00000198805 protein_coding	-2,453
MXD3 ENSG00000213347 protein_coding	2,455
KIAA1211L ENSG00000196872 protein_coding	-2,583
CDH24 ENSG00000139880 protein_coding	3,576
IGF2 ENSG00000167244 protein_coding	5,322
TOR4A ENSG00000198113 protein_coding	-2,554
SPRR3 ENSG00000163209 protein_coding	-7,131
ALS2CR12 ENSG00000155749 protein_coding	-2,337
HSPB7 ENSG00000173641 protein_coding	-4,474
GALNT18 ENSG00000110328 protein_coding	-2,277
FGB ENSG00000171564 protein_coding	-6,096
SIX4 ENSG00000100625 protein_coding	2,703

MSI1 ENSG00000135097 protein_coding	3,408
CPXM1 ENSG00000088882 protein_coding	3,739
GCNT4 ENSG00000176928 protein_coding	-3,554
GALNT3 ENSG00000115339 protein_coding	-3,496
NCAPG2 ENSG00000146918 protein_coding	2,469
TMEM30B ENSG00000182107 protein_coding	-3,430
TSPO ENSG00000100300 protein_coding	-2,728
FZD3 ENSG00000104290 protein_coding	2,147
CYB5A ENSG00000166347 protein_coding	-2,271
RBP5 ENSG00000139194 protein_coding	-2,384
TOPBP1 ENSG00000163781 protein_coding	2,235
HELLS ENSG00000119969 protein_coding	2,433
CAPN12 ENSG00000182472 protein_coding	-2,763
CLDN4 ENSG00000189143 protein_coding	-2,548
HIST1H3B ENSG00000274267 protein_coding	4,692
SLC32A1 ENSG00000101438 protein_coding	12,093
RFC4 ENSG00000163918 protein_coding	2,585
TNS1 ENSG00000079308 protein_coding	-2,455
HAUS6 ENSG00000147874 protein_coding	2,223
FBXO43 ENSG00000156509 protein_coding	3,557
UBE2S ENSG00000108106 protein_coding	2,325
HIST1H2AM ENSG00000278677 protein_coding	4,378
ZNF516 ENSG00000101493 protein_coding	2,864
ADAMTS20 ENSG00000173157 protein_coding	7,911
COL13A1 ENSG00000197467 protein_coding	3,638
ADGRG2 ENSG00000173698 protein_coding	7,248
GRM1 ENSG00000152822 protein_coding	-2,880
LRRC20 ENSG00000172731 protein_coding	2,094
ABCG5 ENSG00000138075 protein_coding	-2,305
POC1A ENSG00000164087 protein_coding	2,523
RAI2 ENSG00000131831 protein_coding	-2,530
ACTBL2 ENSG00000169067 protein_coding	-4,402
GMPR ENSG00000137198 protein_coding	-3,124
ZMAT4 ENSG00000165061 protein_coding	5,684
CDK2 ENSG00000123374 protein_coding	2,004
FAM111B ENSG00000189057 protein_coding	3,513
SLC5A10 ENSG00000154025 protein_coding	-2,599
CCR9 ENSG00000173585 protein_coding	-3,747
KCNJ5 ENSG00000120457 protein_coding	-3,116
C21orf58 ENSG00000160298 protein_coding	2,883
GLIPR2 ENSG00000122694 protein_coding	2,139
CLCF1 ENSG00000175505 protein_coding	-2,199
RGMA ENSG00000182175 protein_coding	3,918
KCNH2 ENSG00000055118 protein_coding	4,553
NCAPD2 ENSG00000010292 protein_coding	2,696

UGT2A3 ENSG00000135220 protein_coding	-6,716
WNT10A ENSG00000135925 protein_coding	-4,075
DBF4 ENSG00000006634 protein_coding	2,810
FZD2 ENSG00000180340 protein_coding	2,804
MYRFL ENSG00000166268 protein_coding	-2,888
TUBA4A ENSG00000127824 protein_coding	-3,098
LY75-CD302 ENSG00000248672 protein_coding	-4,438
ST14 ENSG00000149418 protein_coding	-3,500
DMTN ENSG00000158856 protein_coding	-2,265
RNF128 ENSG00000133135 protein_coding	-4,230
DUSP1 ENSG00000120129 protein_coding	-2,774
MCM7 ENSG00000166508 protein_coding	2,601
CCDC77 ENSG00000120647 protein_coding	2,181
MIA2 ENSG00000150526 protein_coding	-5,326
CIDEB ENSG00000136305 protein_coding	-3,467
IL17RD ENSG00000144730 protein_coding	3,691
GPAT3 ENSG00000138678 protein_coding	-3,464
FAM217B ENSG00000196227 protein_coding	2,343
FAM72A ENSG00000196550 protein_coding	3,875
EVC ENSG00000072840 protein_coding	-2,406
RNFT2 ENSG00000135119 protein_coding	2,607
TMEM174 ENSG00000164325 protein_coding	-4,614
PDILT ENSG00000169340 protein_coding	-5,025
TNFRSF10A ENSG00000104689 protein_coding	-2,756
SPX ENSG00000134548 protein_coding	-4,202
ATP12A ENSG00000075673 protein_coding	-4,508
PSD4 ENSG00000125637 protein_coding	-2,257
TRPM1 ENSG00000134160 protein_coding	-3,442
GAS1 ENSG00000180447 protein_coding	3,547
MTRNR2L6 ENSG00000270672 protein_coding	-3,123
IL2RG ENSG00000147168 protein_coding	-2,904
CDKN3 ENSG00000100526 protein_coding	3,927
GCM1 ENSG00000137270 protein_coding	-3,660
MCM4 ENSG00000104738 protein_coding	2,197
SMC2 ENSG00000136824 protein_coding	2,180
MDK ENSG00000110492 protein_coding	3,309
ZNF423 ENSG00000102935 protein_coding	3,424
HNRNPA1 ENSG00000135486 protein_coding	2,012
SHMT2 ENSG00000182199 protein_coding	2,607
CRABP2 ENSG00000143320 protein_coding	5,456
CA14 ENSG00000118298 protein_coding	4,654
CACHD1 ENSG00000158966 protein_coding	3,474
ZNF280B ENSG00000275004 protein_coding	2,402
TSPO2 ENSG00000112212 protein_coding	-2,924
SLC6A20 ENSG00000163817 protein_coding	-4,579

AC024940.1 ENSG00000177359 protein_coding	7,823
SHE ENSG00000169291 protein_coding	-2,311
PLSCR1 ENSG00000188313 protein_coding	-2,382
MTRNR2L10 ENSG00000256045 protein_coding	-3,041
CCR4 ENSG00000183813 protein_coding	-2,552
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ENPP5 ENSG00000112796 protein_coding	-2,304
IFNA17 ENSG00000234829 protein_coding	-4,913
FAM57B ENSG00000149926 protein_coding	6,135
TRNP1 ENSG00000253368 protein_coding	-2,912
C1orf210 ENSG00000253313 protein_coding	-4,083
ESRRG ENSG00000196482 protein_coding	-2,654
MC4R ENSG00000166603 protein_coding	7,573
KCNC4 ENSG00000116396 protein_coding	-2,894
SLC5A1 ENSG00000100170 protein_coding	-4,064
PRKCQ ENSG00000065675 protein_coding	-2,416
CDH1 ENSG00000039068 protein_coding	-3,453
CENPL ENSG00000120334 protein_coding	2,673
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ADAMTS1 ENSG00000154734 protein_coding	-2,654
DRAXIN ENSG00000162490 protein_coding	4,615
S1PR4 ENSG00000125910 protein_coding	-2,657
RFC3 ENSG00000133119 protein_coding	2,241
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SLC46A3 ENSG00000139508 protein_coding	-2,074
TIAM1 ENSG00000156299 protein_coding	3,010
MCRIP2 ENSG00000172366 protein_coding	-2,186
CHAF1A ENSG00000167670 protein_coding	2,541
GRM4 ENSG00000124493 protein_coding	6,290
SLC30A2 ENSG00000158014 protein_coding	-3,543
CNKSR2 ENSG00000149970 protein_coding	4,569
TPST2 ENSG00000128294 protein_coding	-2,023
TMEM229B ENSG00000198133 protein_coding	-2,413
CCNJ ENSG00000107443 protein_coding	2,284
E2F8 ENSG00000129173 protein_coding	3,885
TICAM1 ENSG00000127666 protein_coding	-2,606
CYP4B1 ENSG00000142973 protein_coding	-4,915
ENDOD1 ENSG00000149218 protein_coding	-2,007
RPH3AL ENSG00000181031 protein_coding	-2,158
MARCKSL1 ENSG00000175130 protein_coding	2,236
ARHGAP18 ENSG00000146376 protein_coding	-2,096
VWA5B1 ENSG00000158816 protein_coding	-3,638
ESRRB ENSG00000119715 protein_coding	-3,580
METTL7A ENSG00000185432 protein_coding	-2,409

C11orf16 ENSG00000176029 protein_coding	-2,689
ASCL3 ENSG00000176009 protein_coding	-3,532
RHOB ENSG00000143878 protein_coding	-2,406
FAM110D ENSG00000197245 protein_coding	-2,176
CHDH ENSG00000016391 protein_coding	-2,163
CASP4 ENSG00000196954 protein_coding	-2,398
FKBP7 ENSG00000079150 protein_coding	2,028
AL049839.2 ENSG00000273259 protein_coding	-4,602
PSAT1 ENSG00000135069 protein_coding	3,043
OVOL1 ENSG00000172818 protein_coding	-2,968
AGRN ENSG00000188157 protein_coding	-2,170
REEP2 ENSG00000132563 protein_coding	3,701
MOCOS ENSG00000075643 protein_coding	-3,002
GIN54 ENSG00000147536 protein_coding	2,874
GDF11 ENSG00000135414 protein_coding	2,768
GAS6 ENSG00000183087 protein_coding	-2,575
SMC4 ENSG00000113810 protein_coding	3,157
UNC13C ENSG00000137766 protein_coding	-3,586
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PYGO1 ENSG00000171016 protein_coding	2,008
TMEM88 ENSG00000167874 protein_coding	-2,088
CCNE2 ENSG00000175305 protein_coding	2,896
CFI ENSG00000205403 protein_coding	-2,971
AFM ENSG00000079557 protein_coding	-4,967
TIE1 ENSG00000066056 protein_coding	-2,239
CDON ENSG00000064309 protein_coding	3,363
HSH2D ENSG00000196684 protein_coding	-3,204
OSR1 ENSG00000143867 protein_coding	6,248
KCNC3 ENSG00000131398 protein_coding	-3,335
ZPLD1 ENSG00000170044 protein_coding	-4,207
HRCT1 ENSG00000196196 protein_coding	-3,346
SKAP1 ENSG00000141293 protein_coding	-2,685
DNAJC9 ENSG00000213551 protein_coding	2,060
PTH1R ENSG00000160801 protein_coding	-2,803
DUSP2 ENSG00000158050 protein_coding	-2,995
KLF15 ENSG00000163884 protein_coding	-2,220
ARSA ENSG00000100299 protein_coding	-2,222
ECT2 ENSG00000114346 protein_coding	2,717
ROBO2 ENSG00000185008 protein_coding	5,133
HAS2 ENSG00000170961 protein_coding	5,582
SYT15 ENSG00000204176 protein_coding	-2,278
TNK1 ENSG00000174292 protein_coding	-2,349
ACTL10 ENSG00000182584 protein_coding	-2,067
C8orf4 ENSG00000176907 protein_coding	-2,947
GSTM5 ENSG00000134201 protein_coding	-4,061

ZNF354C ENSG00000177932 protein_coding	2,321
SLC36A2 ENSG00000186335 protein_coding	-4,125
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RECQL4 ENSG00000160957 protein_coding	2,201
HES6 ENSG00000144485 protein_coding	3,116
C4orf36 ENSG00000163633 protein_coding	-2,220
ITGAV ENSG00000138448 protein_coding	-2,093
MT-ND2 ENSG00000198763 protein_coding	-2,007
CLEC14A ENSG00000176435 protein_coding	-2,269
KCNG1 ENSG00000026559 protein_coding	4,542
ABCG8 ENSG00000143921 protein_coding	-3,108
TPPP2 ENSG00000179636 protein_coding	-3,183
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IGFALS ENSG00000099769 protein_coding	-2,605
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CPNE8 ENSG00000139117 protein_coding	-2,915
GPR161 ENSG00000143147 protein_coding	2,900
DRAM1 ENSG00000136048 protein_coding	-2,126
ESR2 ENSG00000140009 protein_coding	-2,040
PARD6B ENSG00000124171 protein_coding	-2,034
SHANK2 ENSG00000162105 protein_coding	-2,902
MB21D2 ENSG00000180611 protein_coding	2,360
PSORS1C1 ENSG00000204540 protein_coding	-3,366
VDR ENSG00000111424 protein_coding	-2,652
LENG9 ENSG00000275183 protein_coding	-2,873
ARSE ENSG00000157399 protein_coding	-2,945
TPD52L1 ENSG00000111907 protein_coding	-2,188
UPB1 ENSG00000100024 protein_coding	-2,333
ZNF492 ENSG00000229676 protein_coding	3,124
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MROH7 ENSG00000184313 protein_coding	-2,713
MEST ENSG00000106484 protein_coding	4,424
C1orf112 ENSG00000000460 protein_coding	2,764
BLVRB ENSG00000090013 protein_coding	-2,490
LRRC73 ENSG00000204052 protein_coding	-2,283
PLCXD1 ENSG00000182378 protein_coding	2,177
AFF2 ENSG00000155966 protein_coding	5,689
VAX2 ENSG00000116035 protein_coding	4,596
ACBD4 ENSG00000181513 protein_coding	-2,133
FANCB ENSG00000181544 protein_coding	3,092
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PXDN ENSG00000130508 protein_coding	2,426
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TIMELESS ENSG00000111602 protein_coding	2,736
GRB14 ENSG00000115290 protein_coding	-4,179
FABP3 ENSG00000121769 protein_coding	-3,240
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FBXL16 ENSG00000127585 protein_coding	-3,367
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PLEKHO1 ENSG00000023902 protein_coding	2,711
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AP1M2 ENSG00000129354 protein_coding	-3,794
ICA1 ENSG00000003147 protein_coding	-2,387
NAT8L ENSG00000185818 protein_coding	-2,721
SUSD4 ENSG00000143502 protein_coding	-3,070
TONSL ENSG00000160949 protein_coding	2,370
TLCD2 ENSG00000185561 protein_coding	-2,340
CEP170 ENSG00000143702 protein_coding	2,548
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TINAG ENSG00000137251 protein_coding	-5,127
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PAPPA ENSG00000182752 protein_coding	-3,313

LINGO2 ENSG00000174482 protein_coding	4,721
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CPM ENSG00000135678 protein_coding	-2,864
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THBS1 ENSG00000137801 protein_coding	-2,728
LOXL3 ENSG00000115318 protein_coding	2,509
RHOD ENSG00000173156 protein_coding	-2,739
ATP8A2 ENSG00000132932 protein_coding	3,359
BMPER ENSG00000164619 protein_coding	8,088
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CHIA ENSG00000134216 protein_coding	-4,640
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HTATIP2 ENSG00000109854 protein_coding	-2,309
ACRV1 ENSG00000134940 protein_coding	4,311
AREG ENSG00000109321 protein_coding	-3,544
DENND5B ENSG00000170456 protein_coding	3,669
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HMGB2 ENSG00000164104 protein_coding	2,005
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TMEM82 ENSG00000162460 protein_coding	-3,561
PADI2 ENSG00000117115 protein_coding	-3,582
AKR1C2 ENSG00000151632 protein_coding	-2,627
EGR3 ENSG00000179388 protein_coding	-3,441
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SEMA3G ENSG0000010319 protein_coding	-2,447
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BACH2 ENSG00000112182 protein_coding	3,468
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CENPW ENSG00000203760 protein_coding	4,150
RNASEH2A ENSG00000104889 protein_coding	2,183
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KCP ENSG00000135253 protein_coding	-2,005
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CARD11 ENSG00000198286 protein_coding	-2,747
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RAB9B ENSG00000123570 protein_coding	2,340
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MYH11 ENSG00000133392 protein_coding	-2,884
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NEIL1 ENSG00000140398 protein_coding	-2,169
PLPP2 ENSG00000141934 protein_coding	-2,868
PCBP4 ENSG00000090097 protein_coding	2,554
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SMARCC1 ENSG00000173473 protein_coding	2,077
TNFSF12 ENSG00000239697 protein_coding	-2,089
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XKR5 ENSG00000275591 protein_coding	4,027
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LPIN3 ENSG00000132793 protein_coding	-2,194
DLL3 ENSG00000090932 protein_coding	4,844
HTR3D ENSG00000186090 protein_coding	-3,735
TMEM35A ENSG00000126950 protein_coding	3,227
AHNAK ENSG00000124942 protein_coding	-2,157
USP49 ENSG00000164663 protein_coding	2,068
PDPN ENSG00000162493 protein_coding	3,171
NNMT ENSG00000166741 protein_coding	-3,427
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RGS17 ENSG00000091844 protein_coding	2,990
C6orf132 ENSG00000188112 protein_coding	-2,430
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TNFRSF13C ENSG00000159958 protein_coding	3,170
DHFR ENSG00000228716 protein_coding	2,264
GPR146 ENSG00000164849 protein_coding	-2,192
KLK8 ENSG00000129455 protein_coding	8,487
RAP1GAP2 ENSG00000132359 protein_coding	-2,259
AZGP1 ENSG00000160862 protein_coding	-4,034
POLE ENSG00000177084 protein_coding	2,450
NMU ENSG00000109255 protein_coding	5,850
ARC ENSG00000198576 protein_coding	-3,348
MARVELD3 ENSG00000140832 protein_coding	-3,055
ATP10A ENSG00000206190 protein_coding	-2,410
NUDT11 ENSG00000196368 protein_coding	5,569
KIF26A ENSG00000066735 protein_coding	-2,932
CHD7 ENSG00000171316 protein_coding	2,047
IRX1 ENSG00000170549 protein_coding	-4,919
EFCAB1 ENSG00000034239 protein_coding	4,676
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STAC2 ENSG00000141750 protein_coding	-2,824
C1orf204 ENSG00000188004 protein_coding	-2,407
ANTXR1 ENSG00000169604 protein_coding	2,067
GPR156 ENSG00000175697 protein_coding	3,893
DUSP4 ENSG00000120875 protein_coding	3,342

GLYAT ENSG00000149124 protein_coding	-4,527
GOLGA8M ENSG00000188626 protein_coding	-2,920
FANCA ENSG00000187741 protein_coding	2,849
TCEAL5 ENSG00000204065 protein_coding	6,455
GSAP ENSG00000186088 protein_coding	-2,572
C15orf52 ENSG00000188549 protein_coding	-2,560
TAF1A ENSG00000143498 protein_coding	2,545
CHD5 ENSG00000116254 protein_coding	-2,888
JARID2 ENSG00000008083 protein_coding	2,571
TET3 ENSG00000187605 protein_coding	2,028
PRAME ENSG00000185686 protein_coding	8,176
TRIM50 ENSG00000146755 protein_coding	-2,858
ANKRD13B ENSG00000198720 protein_coding	2,573
SHISA8 ENSG00000234965 protein_coding	6,791
SMIM2 ENSG00000139656 protein_coding	2,993
MARVELD1 ENSG00000155254 protein_coding	2,176
AUNIP ENSG00000127423 protein_coding	2,680
THSD7A ENSG00000005108 protein_coding	-2,844
NR3C2 ENSG00000151623 protein_coding	-2,380
VNN1 ENSG00000112299 protein_coding	-3,069
VAMP8 ENSG00000118640 protein_coding	-2,161
CFAP73 ENSG00000186710 protein_coding	-2,613
RNASE1 ENSG00000129538 protein_coding	-2,309
ADCY2 ENSG00000078295 protein_coding	6,712
PALMD ENSG00000099260 protein_coding	-2,440
RSPH1 ENSG00000160188 protein_coding	-2,204
SLIT2 ENSG00000145147 protein_coding	3,370
ABCB1 ENSG00000085563 protein_coding	-3,882
EPCAM ENSG00000119888 protein_coding	-2,197
NXPE4 ENSG00000137634 protein_coding	-3,142
SLC22A8 ENSG00000149452 protein_coding	-4,707
PRKDC ENSG00000253729 protein_coding	2,252
ST8SIA6 ENSG00000148488 protein_coding	-3,121
CHML ENSG00000203668 protein_coding	2,824
TBX15 ENSG00000092607 protein_coding	6,027
LBX2 ENSG00000179528 protein_coding	5,258
FAT3 ENSG00000165323 protein_coding	4,215
RRAS ENSG00000126458 protein_coding	-2,069
P2RY2 ENSG00000175591 protein_coding	-3,359
COLGALT2 ENSG00000198756 protein_coding	4,741
RTN4R ENSG00000040608 protein_coding	2,066
FAM81B ENSG00000153347 protein_coding	-3,440
FBN2 ENSG00000138829 protein_coding	5,382
PCDHB10 ENSG00000120324 protein_coding	2,975
ACBD7 ENSG00000176244 protein_coding	3,965

RMI2 ENSG00000175643 protein_coding	2,130
RDH13 ENSG00000160439 protein_coding	-2,075
TUBA1B ENSG00000123416 protein_coding	2,523
SYCE2 ENSG00000161860 protein_coding	2,863
ZNF670-ZNF695 ENSG00000135747 protein_coding	2,750
ZNF273 ENSG00000198039 protein_coding	2,080
OVOL2 ENSG00000125850 protein_coding	-3,385
FAM47E ENSG00000189157 protein_coding	-2,012
SLA2 ENSG00000101082 protein_coding	-2,175
LRTM2 ENSG00000166159 protein_coding	9,603
HK2 ENSG00000159399 protein_coding	3,510
RIPK3 ENSG00000129465 protein_coding	-2,856
RBP7 ENSG00000162444 protein_coding	-2,310
H2AFX ENSG00000188486 protein_coding	2,317
POLE2 ENSG00000100479 protein_coding	2,452
RFX3 ENSG00000080298 protein_coding	2,039
DNAH5 ENSG00000039139 protein_coding	-2,781
ARHGAP19-SLIT1 ENSG00000269891 protein_coding	5,171
ZNF462 ENSG00000148143 protein_coding	2,002
MTRNR2L3 ENSG00000256222 protein_coding	-2,373
PLIN5 ENSG00000214456 protein_coding	-2,731
CDC42BPG ENSG00000171219 protein_coding	-2,232
ZNF92 ENSG00000146757 protein_coding	2,131
NLRX1 ENSG00000160703 protein_coding	-2,619
UNC5B ENSG00000107731 protein_coding	3,414
MTFR2 ENSG00000146410 protein_coding	2,644
UNC5C ENSG00000182168 protein_coding	5,514
CHRNA7 ENSG00000175344 protein_coding	3,265
FSD1 ENSG00000105255 protein_coding	3,494
LARGE2 ENSG00000165905 protein_coding	-2,807
FGD4 ENSG00000139132 protein_coding	-2,067
TACR1 ENSG00000115353 protein_coding	-3,036
GLIS3 ENSG00000107249 protein_coding	-2,401
TUBA1A ENSG00000167552 protein_coding	2,452
GNA14 ENSG00000156049 protein_coding	-2,507
C3orf70 ENSG00000187068 protein_coding	4,564
MMEL1 ENSG00000142606 protein_coding	-2,613
CENPV ENSG00000166582 protein_coding	2,563
ACVR2B ENSG00000114739 protein_coding	2,798
RNF186 ENSG00000178828 protein_coding	-4,458
FABP1 ENSG00000163586 protein_coding	-3,713
ROBO3 ENSG00000154134 protein_coding	-2,161
MEI4 ENSG00000269964 protein_coding	-4,381
H2AFZ ENSG00000164032 protein_coding	2,052
CHRNA9 ENSG00000174343 protein_coding	8,229

NSD2 ENSG00000109685 protein_coding	2,422
NBAS ENSG00000151779 protein_coding	2,393
UNCX ENSG00000164853 protein_coding	3,531
C3orf67 ENSG00000163689 protein_coding	2,425
PIK3C2G ENSG00000139144 protein_coding	-3,930
TERT ENSG00000164362 protein_coding	7,075
ZNF724 ENSG00000196081 protein_coding	3,020
MYZAP ENSG00000263155 protein_coding	-2,676
FRMD7 ENSG00000165694 protein_coding	-3,791
IGSF9 ENSG00000085552 protein_coding	3,585
CSF1 ENSG00000184371 protein_coding	-2,106
ZFP69B ENSG00000187801 protein_coding	2,579
SOCS1 ENSG00000185338 protein_coding	-2,238
C21orf62 ENSG00000205929 protein_coding	-3,644
FAM167A ENSG00000154319 protein_coding	-2,138
HIST1H2AI ENSG00000196747 protein_coding	3,872
FZD10 ENSG00000111432 protein_coding	3,848
ADRB2 ENSG00000169252 protein_coding	-2,767
DISP3 ENSG00000204624 protein_coding	5,079
GPR173 ENSG00000184194 protein_coding	2,281
NLRP1 ENSG00000091592 protein_coding	2,332
C9orf66 ENSG00000183784 protein_coding	-2,645
TLE4 ENSG00000106829 protein_coding	2,719
HIST1H2BB ENSG00000276410 protein_coding	4,308
FCAMR ENSG00000162897 protein_coding	-3,723
PCSK5 ENSG00000099139 protein_coding	2,316
ANXA8 ENSG00000265190 protein_coding	-3,717
ITGB8 ENSG00000105855 protein_coding	-2,254
ZCCHC18 ENSG00000166707 protein_coding	2,356
RNF183 ENSG00000165188 protein_coding	-2,552
OPLAH ENSG00000178814 protein_coding	-2,427
POMC ENSG00000115138 protein_coding	-2,977
CYR61 ENSG00000142871 protein_coding	-2,896
ARMC4 ENSG00000169126 protein_coding	4,602
FGFR3 ENSG00000068078 protein_coding	-3,047
CECR2 ENSG00000099954 protein_coding	2,234
MGAT5B ENSG00000167889 protein_coding	4,757
CLDN7 ENSG00000181885 protein_coding	-2,943
SYBU ENSG00000147642 protein_coding	-2,587
SPACA4 ENSG00000177202 protein_coding	-3,140
C11orf96 ENSG00000187479 protein_coding	-2,154
KCNK2 ENSG00000082482 protein_coding	5,912
LHFPL1 ENSG00000182508 protein_coding	3,705
RGS7BP ENSG00000186479 protein_coding	-3,022
SLC34A1 ENSG00000131183 protein_coding	-4,197

FCN3 ENSG00000142748 protein_coding	-2,168
FAM71F2 ENSG00000205085 protein_coding	-2,059
CCDC177 ENSG00000267909 protein_coding	6,625
FLVCR1 ENSG00000162769 protein_coding	2,031
CXCL1 ENSG00000163739 protein_coding	-3,413
SBK1 ENSG00000188322 protein_coding	2,718
CKS2 ENSG00000123975 protein_coding	4,212
ZKSCAN2 ENSG00000155592 protein_coding	2,066
PTER ENSG00000165983 protein_coding	-2,420
LYPD1 ENSG00000150551 protein_coding	4,706
CNTFR ENSG00000122756 protein_coding	4,899
MAN1C1 ENSG00000117643 protein_coding	-2,053
GAL3ST4 ENSG00000197093 protein_coding	2,394
SLC28A1 ENSG00000156222 protein_coding	-2,748
FBLN7 ENSG00000144152 protein_coding	3,075
FNDC9 ENSG00000172568 protein_coding	-2,440
MYOF ENSG00000138119 protein_coding	-2,339
MFAP2 ENSG00000117122 protein_coding	2,397
ADCYAP1R1 ENSG00000078549 protein_coding	5,835
RELT ENSG00000054967 protein_coding	2,045
KIF7 ENSG00000166813 protein_coding	2,067
SLC25A21 ENSG00000183032 protein_coding	3,106
KIAA1211 ENSG00000109265 protein_coding	4,583
MTRNR2L7 ENSG00000256892 protein_coding	-3,087
HS3ST6 ENSG00000162040 protein_coding	-3,735
CLU ENSG00000120885 protein_coding	-3,232
MBP ENSG00000197971 protein_coding	-2,271
TINCR ENSG00000223573 protein_coding	-2,518
VSIG2 ENSG00000019102 protein_coding	-2,328
MDGA2 ENSG00000139915 protein_coding	4,451
ITGA3 ENSG00000005884 protein_coding	-2,196
TENM3 ENSG00000218336 protein_coding	3,036
DMRT3 ENSG00000064218 protein_coding	11,305
DSCAML1 ENSG00000177103 protein_coding	-2,617
HIST1H2BO ENSG00000274641 protein_coding	3,609
GSTA2 ENSG00000244067 protein_coding	-3,594
OXT ENSG00000101405 protein_coding	-2,850
KLC3 ENSG00000104892 protein_coding	-3,019
RTP4 ENSG00000136514 protein_coding	-2,659
ST8SIA4 ENSG00000113532 protein_coding	3,930
F2RL3 ENSG00000127533 protein_coding	-2,353
FHL5 ENSG00000112214 protein_coding	-3,230
AADAT ENSG00000109576 protein_coding	2,014
TUBB2B ENSG00000137285 protein_coding	3,206
ZMYND12 ENSG00000066185 protein_coding	-2,149

FRY ENSG00000073910 protein_coding	-2,169
FEN1 ENSG00000168496 protein_coding	2,015
TTC24 ENSG00000187862 protein_coding	6,975
NACC2 ENSG00000148411 protein_coding	-2,096
PEG10 ENSG00000242265 protein_coding	4,747
NETO2 ENSG00000171208 protein_coding	2,798
HRH1 ENSG00000196639 protein_coding	-2,060
ARHGEF15 ENSG00000198844 protein_coding	-2,198
GRM7 ENSG00000196277 protein_coding	5,439
RNF207 ENSG00000158286 protein_coding	-2,193
S100A5 ENSG00000196420 protein_coding	-2,410
GDNF ENSG00000168621 protein_coding	5,494
STUM ENSG00000203685 protein_coding	-2,808
TMSB15B ENSG00000158427 protein_coding	3,038
ZCCHC12 ENSG00000174460 protein_coding	5,228
ETV1 ENSG00000006468 protein_coding	3,107
SLC25A34 ENSG00000162461 protein_coding	-2,097
RHEBL1 ENSG00000167550 protein_coding	2,592
CABLES2 ENSG00000149679 protein_coding	2,146
TCEA3 ENSG00000204219 protein_coding	-3,015
C9orf135 ENSG00000204711 protein_coding	-2,992
C4orf32 ENSG00000174749 protein_coding	-2,011
STRIP2 ENSG00000128578 protein_coding	3,028
NPC1L1 ENSG00000015520 protein_coding	-2,781
ZBTB12 ENSG00000204366 protein_coding	2,820
SALL2 ENSG00000165821 protein_coding	2,463
ACPP ENSG00000014257 protein_coding	-2,948
ANKLE1 ENSG00000160117 protein_coding	3,153
SPIN4 ENSG00000186767 protein_coding	2,779
ST6GAL2 ENSG00000144057 protein_coding	3,436
PLPP4 ENSG00000203805 protein_coding	-2,781
CNTRL ENSG00000119397 protein_coding	2,089
SAMD12 ENSG00000177570 protein_coding	-2,167
MTRNR2L1 ENSG00000256618 protein_coding	-2,747
ANXA2 ENSG00000182718 protein_coding	-2,100
YPEL1 ENSG00000100027 protein_coding	2,016
VRK1 ENSG00000100749 protein_coding	2,011
PROKR1 ENSG00000169618 protein_coding	6,519
QPCT ENSG00000115828 protein_coding	-2,477
ZNF738 ENSG00000172687 protein_coding	2,358
DCDC2 ENSG00000146038 protein_coding	-3,099
MLPH ENSG00000115648 protein_coding	-2,408
HIST1H2AH ENSG00000274997 protein_coding	3,989
NPR1 ENSG00000169418 protein_coding	-2,448
KRTCAP3 ENSG00000157992 protein_coding	-2,325

STOX1 ENSG00000165730 protein_coding	2,189
SEMA3A ENSG00000075213 protein_coding	4,948
RASD2 ENSG00000100302 protein_coding	4,425
KCNC1 ENSG00000129159 protein_coding	4,889
SDR9C7 ENSG00000170426 protein_coding	4,506
CPA2 ENSG00000158516 protein_coding	3,888
MTRNR2L11 ENSG00000270188 protein_coding	-2,827
ASTN1 ENSG00000152092 protein_coding	5,626
C10orf10 ENSG00000165507 protein_coding	-2,160
BARX1 ENSG00000131668 protein_coding	8,655
DHX58 ENSG00000108771 protein_coding	-2,384
SLC13A2 ENSG00000007216 protein_coding	-4,241
CD276 ENSG00000103855 protein_coding	2,116
OMP ENSG00000254550 protein_coding	-3,037
SPOCK3 ENSG00000196104 protein_coding	7,860
LIPC ENSG00000166035 protein_coding	-3,147
ENPP2 ENSG00000136960 protein_coding	-2,272
TENM4 ENSG00000149256 protein_coding	3,514
NXPH4 ENSG00000182379 protein_coding	3,716
CENPN ENSG00000166451 protein_coding	2,406
KIAA0922 ENSG00000121210 protein_coding	2,167
ADGRB2 ENSG00000121753 protein_coding	2,718
CAPZA3 ENSG00000177938 protein_coding	-4,083
RS1 ENSG00000102104 protein_coding	-2,519
HTR1B ENSG00000135312 protein_coding	-3,878
PIEZO2 ENSG00000154864 protein_coding	2,682
DCC ENSG00000187323 protein_coding	8,413
ANKRD24 ENSG00000089847 protein_coding	-2,284
CFTR ENSG00000001626 protein_coding	-2,770
VWA3B ENSG00000168658 protein_coding	-2,762
SLC19A3 ENSG00000135917 protein_coding	-3,639
DPYD ENSG00000188641 protein_coding	-2,293
ATP10B ENSG00000118322 protein_coding	-2,854
DCLK3 ENSG00000163673 protein_coding	4,233
PLCZ1 ENSG00000139151 protein_coding	-3,214
ADAMTSL2 ENSG00000197859 protein_coding	-2,346
PCDHA1 ENSG00000204970 protein_coding	3,603
CLEC4E ENSG00000166523 protein_coding	-3,118
CES4A ENSG00000172824 protein_coding	-2,632
C1QTNF1 ENSG00000173918 protein_coding	-2,447
REEP6 ENSG00000115255 protein_coding	-2,673
SLC7A11 ENSG00000151012 protein_coding	6,625
FAM83B ENSG00000168143 protein_coding	-4,065
OSBPL3 ENSG00000070882 protein_coding	-2,339
SPINK8 ENSG00000229453 protein_coding	6,175

AL138826.1 ENSG00000226733 protein_coding	-4,594
CACNG4 ENSG00000075461 protein_coding	4,011
C1QTNF4 ENSG00000172247 protein_coding	3,609
NGFR ENSG00000064300 protein_coding	4,190
KCNJ6 ENSG00000157542 protein_coding	5,190
CNGA4 ENSG00000132259 protein_coding	-2,178
TMSB15B ENSG00000269226 protein_coding	2,547
PTGES ENSG00000148344 protein_coding	-2,260
KDM2B ENSG00000089094 protein_coding	3,478
CCDC169 ENSG00000242715 protein_coding	2,579
TNXB ENSG00000168477 protein_coding	-2,431
RARRES1 ENSG00000118849 protein_coding	-2,661
ALOX5 ENSG00000012779 protein_coding	-2,148
SLC7A3 ENSG00000165349 protein_coding	3,477
SOX18 ENSG00000203883 protein_coding	-2,074
STC2 ENSG00000113739 protein_coding	3,405
RIMS4 ENSG00000101098 protein_coding	6,758
PCED1B ENSG00000179715 protein_coding	-2,133
SIGIRR ENSG00000185187 protein_coding	-2,140
PROM1 ENSG00000007062 protein_coding	-2,439
HSBP1L1 ENSG00000226742 protein_coding	-2,056
GPR19 ENSG00000183150 protein_coding	4,055
CHRFAM7A ENSG00000166664 protein_coding	2,856
CHRD ENSG00000090539 protein_coding	-2,330
KRTAP2-3 ENSG00000212724 protein_coding	-4,031
HIST3H2BB ENSG00000196890 protein_coding	3,344
PPM1E ENSG00000175175 protein_coding	2,897
BEX1 ENSG00000133169 protein_coding	3,997
TM4SF5 ENSG00000142484 protein_coding	-3,874
CR1L ENSG00000197721 protein_coding	-2,804
KLF4 ENSG00000136826 protein_coding	-2,326
CGNL1 ENSG00000128849 protein_coding	-2,223
RADIL ENSG00000157927 protein_coding	3,249
GFRA1 ENSG00000151892 protein_coding	3,871
IQSEC3 ENSG00000120645 protein_coding	3,859
KCNK6 ENSG00000099337 protein_coding	-2,131
CYP2B6 ENSG00000197408 protein_coding	-4,010
ARHGAP33 ENSG00000004777 protein_coding	2,045
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ME3 ENSG00000151376 protein_coding	-2,067
SGSM1 ENSG00000167037 protein_coding	-2,288
EFNA3 ENSG00000143590 protein_coding	2,822
CKS1B ENSG00000173207 protein_coding	2,701
ARID3B ENSG00000179361 protein_coding	3,282

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DPP7 ENSG00000176978 protein_coding	-2,412
GOLGA6L9 ENSG00000197978 protein_coding	2,204
VANGL2 ENSG00000162738 protein_coding	2,244
ITIH5 ENSG00000123243 protein_coding	-3,351
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FRMD3 ENSG00000172159 protein_coding	-2,256
FAM20A ENSG00000108950 protein_coding	-2,357
PRR7 ENSG00000131188 protein_coding	2,210
IFI35 ENSG00000068079 protein_coding	-2,396
APCDD1L ENSG00000198768 protein_coding	-3,342
GPR22 ENSG00000172209 protein_coding	-2,521
UPK3B ENSG00000243566 protein_coding	-3,598
HS3ST4 ENSG00000182601 protein_coding	8,205
FRMD5 ENSG00000171877 protein_coding	3,398
MYCNOS ENSG00000233718 protein_coding	4,438
VAV3 ENSG00000134215 protein_coding	-2,552
TSPAN7 ENSG00000156298 protein_coding	-2,233
C3orf36 ENSG00000221972 protein_coding	-2,357
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ADRA2C ENSG00000184160 protein_coding	-2,311
PERP ENSG00000112378 protein_coding	-2,245
CEBPB ENSG00000172216 protein_coding	-2,069
CATIP ENSG00000158428 protein_coding	-2,571
TEPP ENSG00000159648 protein_coding	-2,708
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SLC22A13 ENSG00000172940 protein_coding	-2,479
PCDH18 ENSG00000189184 protein_coding	3,537
BRINP1 ENSG00000078725 protein_coding	3,660
SHC4 ENSG00000185634 protein_coding	3,384
ZNF385C ENSG00000187595 protein_coding	3,388
SCUBE3 ENSG00000146197 protein_coding	2,807
JPH4 ENSG00000092051 protein_coding	3,339

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GPX3 ENSG00000211445 protein_coding	-2,785
KCNK15 ENSG00000124249 protein_coding	-2,470
TFPI2 ENSG00000105825 protein_coding	-2,935
TRIM46 ENSG00000163462 protein_coding	2,587
CLVS2 ENSG00000146352 protein_coding	9,603
PLSCR2 ENSG00000163746 protein_coding	-3,074
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CLDN34 ENSG00000234469 protein_coding	-2,363
ZNF703 ENSG00000183779 protein_coding	2,395
LRFN5 ENSG00000165379 protein_coding	6,383
PRTFDC1 ENSG00000099256 protein_coding	2,127
TMEM100 ENSG00000166292 protein_coding	5,556
TMEM144 ENSG00000164124 protein_coding	-2,263
GPC4 ENSG00000076716 protein_coding	-2,507
DNAJC12 ENSG00000108176 protein_coding	3,077
CXCL8 ENSG00000169429 protein_coding	-3,056
CCDC42 ENSG00000161973 protein_coding	-2,412
BCAM ENSG00000187244 protein_coding	-2,322
RBM20 ENSG00000203867 protein_coding	3,551
PCDHB9 ENSG00000177839 protein_coding	3,188
PDYN ENSG00000101327 protein_coding	11,508
INCENP ENSG00000149503 protein_coding	2,480
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MAP2 ENSG00000078018 protein_coding	3,332
GALNT8 ENSG00000130035 protein_coding	2,880
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HOXA11 ENSG00000005073 protein_coding	2,640
RGL3 ENSG00000205517 protein_coding	-2,269
PTGER2 ENSG00000125384 protein_coding	-2,373
PSG9 ENSG00000183668 protein_coding	-3,389
IFIH1 ENSG00000115267 protein_coding	-2,370
EPS8L1 ENSG00000131037 protein_coding	-2,503
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FYN ENSG00000010810 protein_coding	2,331
MN1 ENSG00000169184 protein_coding	3,493
NXF2B ENSG00000269437 protein_coding	5,971
GPHA2 ENSG00000149735 protein_coding	6,062
AQP12B ENSG00000185176 protein_coding	6,130
PSMB9 ENSG00000240065 protein_coding	-2,086
HIST1H4E ENSG00000276966 protein_coding	2,250

TNF ENSG00000232810 protein_coding	-2,944
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GPR17 ENSG00000144230 protein_coding	-2,692
AMHR2 ENSG00000135409 protein_coding	8,724
AP001931.1 ENSG00000254732 protein_coding	-2,169
LIPI ENSG00000188992 protein_coding	3,289
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UGT1A3 ENSG00000243135 protein_coding	-3,960
SLC26A10 ENSG00000135502 protein_coding	3,266
GXYLT2 ENSG00000172986 protein_coding	3,328
DYDC2 ENSG00000133665 protein_coding	2,661
ITGA8 ENSG00000077943 protein_coding	4,168
BTC ENSG00000174808 protein_coding	-2,716
CA5A ENSG00000174990 protein_coding	-2,596
PSD2 ENSG00000146005 protein_coding	3,950
MAP1B ENSG00000131711 protein_coding	2,916
VWCE ENSG00000167992 protein_coding	3,350
TC2N ENSG00000165929 protein_coding	-2,264
SH2D5 ENSG00000189410 protein_coding	3,672
FFAR1 ENSG00000126266 protein_coding	6,322
SORCS1 ENSG00000108018 protein_coding	6,693
EML6 ENSG00000214595 protein_coding	-2,295
TMEM221 ENSG00000188051 protein_coding	2,572
EVPLL ENSG00000214860 protein_coding	-3,534
B3GAT1 ENSG00000109956 protein_coding	3,090
LRRN3 ENSG00000173114 protein_coding	4,374
TMEM200C ENSG00000206432 protein_coding	3,653
BTBD17 ENSG00000204347 protein_coding	8,950
BMPR1B ENSG00000138696 protein_coding	-2,424
CDCP2 ENSG00000157211 protein_coding	-2,298
ASIC1 ENSG00000110881 protein_coding	2,934
AQP12A ENSG00000184945 protein_coding	5,474
OTOG ENSG00000188162 protein_coding	6,045
EGFLAM ENSG00000164318 protein_coding	3,896
CDSN ENSG00000204539 protein_coding	-3,986
BCL2L10 ENSG00000137875 protein_coding	-2,265
DUOXA2 ENSG00000140274 protein_coding	-3,342
CCNE1 ENSG00000105173 protein_coding	2,708
HSD17B13 ENSG00000170509 protein_coding	2,647
GGTLC3 ENSG00000274252 protein_coding	-3,567
KIF24 ENSG00000186638 protein_coding	2,138
LSAMP ENSG00000185565 protein_coding	3,018
KRT24 ENSG00000167916 protein_coding	-3,356
LY6K ENSG00000160886 protein_coding	-3,133
NROB1 ENSG00000169297 protein_coding	6,534

CST7 ENSG00000077984 protein_coding	-2,284
MYO5B ENSG00000167306 protein_coding	-2,254
ISX ENSG00000175329 protein_coding	6,060
FGF1 ENSG00000113578 protein_coding	-2,697
SLC17A3 ENSG00000124564 protein_coding	-3,237
CDCA7L ENSG00000164649 protein_coding	2,738
PCDHA2 ENSG00000204969 protein_coding	3,709
MMP26 ENSG00000167346 protein_coding	5,179
ANKRD33B ENSG00000164236 protein_coding	-2,561
EPHA3 ENSG00000044524 protein_coding	4,914
IL9R ENSG00000124334 protein_coding	-2,811
B3GALT1 ENSG00000172318 protein_coding	5,481
HTR3B ENSG00000149305 protein_coding	-3,638
PCDH19 ENSG00000165194 protein_coding	4,040
FAM171A2 ENSG00000161682 protein_coding	2,053
HMCN1 ENSG00000143341 protein_coding	3,866
IGDCC3 ENSG00000174498 protein_coding	4,939
BMP7 ENSG00000101144 protein_coding	2,776
SLC6A2 ENSG00000103546 protein_coding	-3,150
SEMA6A ENSG00000092421 protein_coding	2,194
PTPRD ENSG00000153707 protein_coding	2,815
IGFBPL1 ENSG00000137142 protein_coding	4,913
ITPR3 ENSG00000096433 protein_coding	-2,261
UAP1L1 ENSG00000197355 protein_coding	-2,346
HAUS1 ENSG00000152240 protein_coding	2,079
CRYBB3 ENSG00000100053 protein_coding	-2,264
COCH ENSG00000100473 protein_coding	4,193
NME1-NME2 ENSG00000011052 protein_coding	2,781
PRSS16 ENSG00000112812 protein_coding	-3,747
TMEM54 ENSG00000121900 protein_coding	-2,140
GPR137C ENSG00000180998 protein_coding	2,427
HEY1 ENSG00000164683 protein_coding	3,002
EGR4 ENSG00000135625 protein_coding	-3,926
TGIF2-C20orf24 ENSG00000259399 protein_coding	3,082
PNCK ENSG00000130822 protein_coding	3,323
FOXP4 ENSG00000137166 protein_coding	2,060
CCDC178 ENSG00000166960 protein_coding	-2,171
FAM78B ENSG00000188859 protein_coding	5,384
CCDC60 ENSG00000183273 protein_coding	-2,432
PCDHA8 ENSG00000204962 protein_coding	3,971
HLA-G ENSG00000204632 protein_coding	-2,249
CCL20 ENSG00000115009 protein_coding	-3,607
C17orf107 ENSG00000205710 protein_coding	-2,067
LY6H ENSG00000176956 protein_coding	4,753
AMER2 ENSG00000165566 protein_coding	4,382

XAGE3 ENSG00000171402 protein_coding	-3,164
CCR7 ENSG00000126353 protein_coding	-2,183
TDRD9 ENSG00000156414 protein_coding	-3,267
CAPN13 ENSG00000162949 protein_coding	-3,035
C14orf39 ENSG00000179008 protein_coding	6,973
RD3 ENSG00000198570 protein_coding	6,975
ARMC12 ENSG00000157343 protein_coding	2,823
AC142391.1 ENSG00000279686 protein_coding	-3,101
TCEAL7 ENSG00000182916 protein_coding	3,503
TNNT1 ENSG00000105048 protein_coding	9,608
SCGB3A1 ENSG00000161055 protein_coding	-2,176
SPTLC3 ENSG00000172296 protein_coding	-2,396
DSCR8 ENSG00000198054 protein_coding	7,591
CCDC185 ENSG00000178395 protein_coding	-2,757
GBX2 ENSG00000168505 protein_coding	7,047
GK3P ENSG00000229894 protein_coding	-2,490
MTUS1 ENSG00000129422 protein_coding	-2,005
ADAMTS19 ENSG00000145808 protein_coding	5,916
TBC1D8B ENSG00000133138 protein_coding	-2,141
NR2F1 ENSG00000175745 protein_coding	3,049
PLA2G2F ENSG00000158786 protein_coding	-2,743
BOC ENSG00000144857 protein_coding	2,044
ADH1B ENSG00000196616 protein_coding	-3,373
KRT8 ENSG00000170421 protein_coding	-2,746
LINGO1 ENSG00000169783 protein_coding	3,504
FOXD1 ENSG00000251493 protein_coding	4,283
BGN ENSG00000182492 protein_coding	-2,114
ELOVL4 ENSG00000118402 protein_coding	3,550
SOGA3 ENSG00000214338 protein_coding	3,204
DLK1 ENSG00000185559 protein_coding	11,457
RAB39B ENSG00000155961 protein_coding	2,434
EPHB3 ENSG00000182580 protein_coding	2,085
CRYGD ENSG00000118231 protein_coding	9,999
GRHL2 ENSG00000083307 protein_coding	-3,279
CHRND ENSG00000135902 protein_coding	8,087
DCAF12L1 ENSG00000198889 protein_coding	-4,668
PKLR ENSG00000143627 protein_coding	-2,992
SLC15A1 ENSG00000088386 protein_coding	4,650
ZNF714 ENSG00000160352 protein_coding	2,159
VSIG8 ENSG00000243284 protein_coding	-2,208
TMEM184A ENSG00000164855 protein_coding	-2,429
DPYSL3 ENSG00000113657 protein_coding	2,796
SIGLEC11 ENSG00000161640 protein_coding	-2,134
SCN5A ENSG00000183873 protein_coding	3,294
KIF21B ENSG00000116852 protein_coding	3,481

CDH12 ENSG00000154162 protein_coding	7,562
MMP24 ENSG00000125966 protein_coding	-2,451
LHX6 ENSG00000106852 protein_coding	-2,146
HSPA12A ENSG00000165868 protein_coding	-2,117
C10orf107 ENSG00000183346 protein_coding	-2,325
SULT4A1 ENSG00000130540 protein_coding	3,071
ADAMTS7 ENSG00000136378 protein_coding	2,555
TMPRSS11E ENSG00000087128 protein_coding	-3,809
TIMP3 ENSG00000100234 protein_coding	-2,083
SV2A ENSG00000159164 protein_coding	2,267
SPATA22 ENSG00000141255 protein_coding	-3,731
DCHS2 ENSG00000197410 protein_coding	5,058
KLF5 ENSG00000102554 protein_coding	-2,571
PMF1-BGLAP ENSG00000260238 protein_coding	2,019
HOXA10 ENSG00000253293 protein_coding	2,103
AHR ENSG00000106546 protein_coding	-2,327
IFNA14 ENSG00000228083 protein_coding	-3,902
FXD7 ENSG00000221946 protein_coding	4,246
CHRD1 ENSG00000101938 protein_coding	3,053
KCNF1 ENSG00000162975 protein_coding	4,098
AC009690.1 ENSG00000260729 protein_coding	-2,098
PNMA2 ENSG00000240694 protein_coding	3,507
ELANE ENSG00000197561 protein_coding	-3,544
CYP2S1 ENSG00000167600 protein_coding	-2,585
HIC2 ENSG00000169635 protein_coding	2,112
IRX3 ENSG00000177508 protein_coding	-2,736
CCDC136 ENSG00000128596 protein_coding	2,607
MYLK2 ENSG00000101306 protein_coding	4,079
GYG2 ENSG00000056998 protein_coding	2,007
TSGA10IP ENSG00000175513 protein_coding	5,037
ZNF732 ENSG00000186777 protein_coding	4,244
UNC5A ENSG00000113763 protein_coding	4,276
GRIP2 ENSG00000144596 protein_coding	-2,353
PDZD3 ENSG00000172367 protein_coding	-2,154
FMO2 ENSG00000094963 protein_coding	-3,227
PHLDA1 ENSG00000139289 protein_coding	2,195
NRXN3 ENSG00000021645 protein_coding	3,145
C5orf52 ENSG00000187658 protein_coding	-2,890
GCK ENSG00000106633 protein_coding	3,097
STAR ENSG00000147465 protein_coding	3,815
MTRNR2L13 ENSG00000270394 protein_coding	-2,947
MYO3A ENSG00000095777 protein_coding	4,518
MEDAG ENSG00000102802 protein_coding	-2,300
GRIN2A ENSG00000183454 protein_coding	4,689
TLL6 ENSG00000170703 protein_coding	-2,617

FOXI3 ENSG00000214336 protein_coding	6,788
CCND2 ENSG00000118971 protein_coding	2,951
CXCR4 ENSG00000121966 protein_coding	3,174
RSPO4 ENSG00000101282 protein_coding	5,248
PDXP ENSG00000241360 protein_coding	2,275
ERICH5 ENSG00000177459 protein_coding	-2,147
DSCR4 ENSG00000184029 protein_coding	6,794
KIAA2012 ENSG00000182329 protein_coding	3,160
TMEM211 ENSG00000206069 protein_coding	-2,805
GPR87 ENSG00000138271 protein_coding	-3,419
IL1A ENSG00000115008 protein_coding	-2,173
CCDC187 ENSG00000260220 protein_coding	-2,660
TTYH3 ENSG00000136295 protein_coding	2,051
GRB7 ENSG00000141738 protein_coding	-2,027
KDF1 ENSG00000175707 protein_coding	-2,271
ATP4B ENSG00000186009 protein_coding	-2,118
AMY2B ENSG00000240038 protein_coding	-2,206
DLEU7 ENSG00000186047 protein_coding	3,439
FGF17 ENSG00000158815 protein_coding	4,648
LRP4 ENSG00000134569 protein_coding	2,933
HCN2 ENSG00000099822 protein_coding	-2,342
NPW ENSG00000183971 protein_coding	3,380
AC097372.1 ENSG00000250673 protein_coding	-2,834
TCF4 ENSG00000196628 protein_coding	2,081
ZBTB16 ENSG00000109906 protein_coding	-2,626
PLA2G4A ENSG00000116711 protein_coding	-2,131
PNMA8C ENSG00000277531 protein_coding	4,254
FAM19A3 ENSG00000184599 protein_coding	3,516
TSPAN11 ENSG00000110900 protein_coding	3,143
OR51E1 ENSG00000180785 protein_coding	6,220
TBC1D32 ENSG00000146350 protein_coding	2,023
KIAA1644 ENSG00000138944 protein_coding	3,835
PRRX2 ENSG00000167157 protein_coding	3,397
EPHA1 ENSG00000146904 protein_coding	-2,408
AC011498.5 ENSG00000267385 protein_coding	-2,502
KIF26B ENSG00000162849 protein_coding	3,206
PLPPR5 ENSG00000117598 protein_coding	6,790
PGF ENSG00000119630 protein_coding	2,564
COLCA2 ENSG00000214290 protein_coding	-2,066
KREMEN2 ENSG00000131650 protein_coding	5,074
AGR2 ENSG00000106541 protein_coding	-3,478
FABP5 ENSG00000164687 protein_coding	2,353
ZNF385B ENSG00000144331 protein_coding	-2,585
WFDC12 ENSG00000168703 protein_coding	-3,648
GNG7 ENSG00000176533 protein_coding	-2,057

FOXC2 ENSG00000176692 protein_coding	3,492
NALCN ENSG00000102452 protein_coding	4,964
COMP ENSG00000105664 protein_coding	-3,432
SHH ENSG00000164690 protein_coding	-3,573
SERTM1 ENSG00000180440 protein_coding	4,902
LIN28B ENSG00000187772 protein_coding	12,367
TRIM59 ENSG00000213186 protein_coding	2,689
NPNT ENSG00000168743 protein_coding	-2,477
TRIM43 ENSG00000144015 protein_coding	11,086
TSHZ2 ENSG00000182463 protein_coding	2,023
ZNF850 ENSG00000267041 protein_coding	2,415
ERICH3 ENSG00000178965 protein_coding	4,974
GNG13 ENSG00000127588 protein_coding	7,376
SOSTDC1 ENSG00000171243 protein_coding	-2,874
SLC25A27 ENSG00000153291 protein_coding	-2,014
CELF6 ENSG00000140488 protein_coding	-2,528
MECOM ENSG00000085276 protein_coding	-2,453
MISP ENSG00000099812 protein_coding	-2,797
RPS10-NUDT3 ENSG00000270800 protein_coding	4,908
TRPM3 ENSG00000083067 protein_coding	-2,878
MOGAT2 ENSG00000166391 protein_coding	-2,791
CKMT2 ENSG00000131730 protein_coding	-2,537
CXCR6 ENSG00000172215 protein_coding	-2,054
LIX1 ENSG00000145721 protein_coding	-3,004
PAH ENSG00000171759 protein_coding	-2,863
RNF224 ENSG00000233198 protein_coding	-2,263
CACNA1B ENSG00000148408 protein_coding	5,795
SLC27A6 ENSG00000113396 protein_coding	4,538
INA ENSG00000148798 protein_coding	5,706
PCDHAC1 ENSG00000248383 protein_coding	3,222
CLEC4D ENSG00000166527 protein_coding	-2,435
WNT5B ENSG00000111186 protein_coding	3,121
SH3PXD2B ENSG00000174705 protein_coding	2,044
DDIT4L ENSG00000145358 protein_coding	-2,162
OBP2A ENSG00000122136 protein_coding	8,508
PDZD7 ENSG00000186862 protein_coding	3,917
CCL28 ENSG00000151882 protein_coding	-2,865
RASL11A ENSG00000122035 protein_coding	-2,034
FSHB ENSG00000131808 protein_coding	-3,536
LINGO4 ENSG00000213171 protein_coding	-2,977
KIAA1324L ENSG00000164659 protein_coding	2,936
AC110814.1 ENSG00000168824 protein_coding	4,795
DLGAP1 ENSG00000170579 protein_coding	2,543
PLAC1 ENSG00000170965 protein_coding	7,279
FGF9 ENSG00000102678 protein_coding	-2,955

CXCL3 ENSG00000163734 protein_coding	-2,571
BLOC1S5-TXNDC5 ENSG00000259040 protein_coding	-2,003
CD5 ENSG00000110448 protein_coding	-2,180
LYPD6B ENSG00000150556 protein_coding	-2,309
DPP10 ENSG00000175497 protein_coding	5,177
APOC1 ENSG00000130208 protein_coding	4,127
IL36G ENSG00000136688 protein_coding	6,208
CCL25 ENSG00000131142 protein_coding	5,222
KIF4B ENSG00000226650 protein_coding	3,373
FAM159B ENSG00000145642 protein_coding	5,253
TTL7 ENSG00000137941 protein_coding	2,146
PLEKHG1 ENSG00000120278 protein_coding	2,182
HSF2BP ENSG00000160207 protein_coding	2,205
KRTAP2-2 ENSG00000214518 protein_coding	-3,391
NOTCH2 ENSG00000134250 protein_coding	2,391
CNR1 ENSG00000118432 protein_coding	6,317
CD300E ENSG00000186407 protein_coding	-2,104
TRIL ENSG00000255690 protein_coding	2,429
FAM180B ENSG00000196666 protein_coding	3,787
FOXJ1 ENSG00000129654 protein_coding	-2,270
PI3 ENSG00000124102 protein_coding	-3,039
TMCC3 ENSG00000057704 protein_coding	2,734
HORMAD2 ENSG00000176635 protein_coding	-3,054
DKKL1 ENSG00000104901 protein_coding	2,647
POU5F1B ENSG00000212993 protein_coding	-2,421
SBK2 ENSG00000187550 protein_coding	6,426
LRRTM1 ENSG00000162951 protein_coding	5,039
GPR171 ENSG00000174946 protein_coding	-2,228
HRASLS ENSG00000127252 protein_coding	2,372
CACNA1F ENSG00000102001 protein_coding	-2,732
WNT7A ENSG00000154764 protein_coding	-4,158
CHRNA1 ENSG00000196811 protein_coding	4,858
THEM5 ENSG00000196407 protein_coding	-2,182
ARID3C ENSG00000205143 protein_coding	3,662
LMO1 ENSG00000166407 protein_coding	-2,333
RINL ENSG00000187994 protein_coding	-2,028
ADAMTS16 ENSG00000145536 protein_coding	-2,451
CCNA1 ENSG00000133101 protein_coding	3,619
PCP4 ENSG00000183036 protein_coding	-2,596
TCP11X2 ENSG00000215029 protein_coding	5,022
STMN4 ENSG00000015592 protein_coding	5,839
HOMER2 ENSG00000103942 protein_coding	2,298
NPAP1 ENSG00000185823 protein_coding	-2,650
FOXD2 ENSG00000186564 protein_coding	3,338
SLC2A2 ENSG00000163581 protein_coding	-3,417

PAQR4 ENSG00000162073 protein_coding	2,165
KCNAB3 ENSG00000170049 protein_coding	2,206
ASPG ENSG00000166183 protein_coding	-3,233
HIST1H2BE ENSG00000274290 protein_coding	2,556
PYCR1 ENSG00000183010 protein_coding	2,543
SLC27A2 ENSG00000140284 protein_coding	-2,133
PRTG ENSG00000166450 protein_coding	2,010
PLEKHN1 ENSG00000187583 protein_coding	-2,444
CRISP1 ENSG00000124812 protein_coding	-3,469
C4B ENSG00000224389 protein_coding	-2,810
C11orf87 ENSG00000185742 protein_coding	8,091
ARHGAP20 ENSG00000137727 protein_coding	3,538
GABRR1 ENSG00000146276 protein_coding	4,692
DOK7 ENSG00000175920 protein_coding	-2,421
C10orf113 ENSG00000204683 protein_coding	-2,627
GCA ENSG00000115271 protein_coding	-2,523
HIST1H4C ENSG00000197061 protein_coding	2,566
IGSF11 ENSG00000144847 protein_coding	3,341
SP6 ENSG00000189120 protein_coding	3,175
MAP7 ENSG00000135525 protein_coding	-2,011
TMEM108 ENSG00000144868 protein_coding	2,844
ENOX1 ENSG00000120658 protein_coding	2,927
EPB41 ENSG00000159023 protein_coding	2,417
HIST2H2AB ENSG00000184270 protein_coding	3,101
HIST1H4L ENSG00000275126 protein_coding	4,632
NPY ENSG00000122585 protein_coding	9,071
CALN1 ENSG00000183166 protein_coding	4,838
ACTRT3 ENSG00000184378 protein_coding	-2,140
GFRA3 ENSG00000146013 protein_coding	5,034
SPTB ENSG00000070182 protein_coding	3,272
MAGEL2 ENSG00000254585 protein_coding	3,189
CCL23 ENSG00000274736 protein_coding	-2,287
BCO1 ENSG00000135697 protein_coding	-2,197
FAIM2 ENSG00000135472 protein_coding	3,594
TSPAN8 ENSG00000127324 protein_coding	-2,808
KRTAP1-5 ENSG00000221852 protein_coding	-3,763
KCNH5 ENSG00000140015 protein_coding	7,462
AL033529.1 ENSG00000254553 protein_coding	2,951
SUSD2 ENSG00000099994 protein_coding	-2,052
CASKIN1 ENSG00000167971 protein_coding	2,231
MITF ENSG00000187098 protein_coding	-2,078
FOXN4 ENSG00000139445 protein_coding	3,106
PLCH2 ENSG00000149527 protein_coding	-2,193
CTSV ENSG00000136943 protein_coding	2,001
TXLNB ENSG00000164440 protein_coding	4,714

RGS4 ENSG00000117152 protein_coding	3,543
PDGFC ENSG00000145431 protein_coding	2,302
C1QTNF7 ENSG00000163145 protein_coding	2,603
KRT17 ENSG00000128422 protein_coding	-2,728
ETV7 ENSG0000010030 protein_coding	-2,074
OPRD1 ENSG00000116329 protein_coding	3,822
RNF43 ENSG00000108375 protein_coding	-2,060
UGT1A9 ENSG00000241119 protein_coding	-4,002
PRELP ENSG00000188783 protein_coding	-2,705
BRINP2 ENSG00000198797 protein_coding	5,286
CRISPLD1 ENSG00000121005 protein_coding	2,473
PQLC2L ENSG00000174899 protein_coding	-2,511
C6orf118 ENSG00000112539 protein_coding	3,114
IL1B ENSG00000125538 protein_coding	-2,321
ATOX1 ENSG00000179774 protein_coding	4,180
LRRRC30 ENSG00000206422 protein_coding	7,604
C10orf62 ENSG00000203942 protein_coding	-2,187
KCTD19 ENSG00000168676 protein_coding	2,504
DPYSL4 ENSG00000151640 protein_coding	4,437
ITK ENSG00000113263 protein_coding	-2,079
RBBP8NL ENSG00000130701 protein_coding	-3,216
KCNB2 ENSG00000182674 protein_coding	5,832
RIMS1 ENSG00000079841 protein_coding	4,395
FGF6 ENSG00000111241 protein_coding	6,665
ST6GALNAC5 ENSG00000117069 protein_coding	3,437
SLC6A5 ENSG00000165970 protein_coding	7,197
DNAI1 ENSG00000122735 protein_coding	-2,235
CDH20 ENSG00000101542 protein_coding	3,675
CES1 ENSG00000198848 protein_coding	-3,053
OR5P3 ENSG00000182334 protein_coding	-3,214
ICOSLG ENSG00000160223 protein_coding	-2,228
GRIK3 ENSG00000163873 protein_coding	6,007
IL6 ENSG00000136244 protein_coding	-3,335
SUSD5 ENSG00000173705 protein_coding	4,453
CTNNA2 ENSG00000066032 protein_coding	6,397
OR2B6 ENSG00000124657 protein_coding	4,125
THEGL ENSG00000249693 protein_coding	3,554
C19orf67 ENSG00000188032 protein_coding	-2,007
MMP19 ENSG00000123342 protein_coding	-2,031
HNF4A ENSG00000101076 protein_coding	-3,351
GAD2 ENSG00000136750 protein_coding	8,007
GRHL3 ENSG00000158055 protein_coding	-2,460
ELAVL2 ENSG00000107105 protein_coding	5,722
CACNA1I ENSG00000100346 protein_coding	4,285
PCDHA9 ENSG00000204961 protein_coding	3,195

GPC6 ENSG00000183098 protein_coding	2,410
SLC28A3 ENSG00000197506 protein_coding	-2,617
GALNT13 ENSG00000144278 protein_coding	3,965
BUB1B-PAK6 ENSG00000259288 protein_coding	-2,886
ADPRHL1 ENSG00000153531 protein_coding	2,927
LRRC17 ENSG00000128606 protein_coding	2,897
GBX1 ENSG00000164900 protein_coding	4,719
CCL22 ENSG00000102962 protein_coding	-2,194
SDK2 ENSG00000069188 protein_coding	2,595
CTNNA3 ENSG00000183230 protein_coding	3,851
RBM24 ENSG00000112183 protein_coding	5,363
GATA4 ENSG00000136574 protein_coding	10,242
SSTR3 ENSG00000278195 protein_coding	4,222
SMPX ENSG00000091482 protein_coding	8,583
RSPO3 ENSG00000146374 protein_coding	3,811
P2RX6 ENSG00000099957 protein_coding	3,333
GLRA4 ENSG00000188828 protein_coding	3,832
SNCA ENSG00000145335 protein_coding	2,679
PCDHGA1 ENSG00000204956 protein_coding	3,755
PAK3 ENSG00000077264 protein_coding	2,543
HBA2 ENSG00000188536 protein_coding	-2,321
FP565260.3 ENSG00000277117 protein_coding	-2,011
PSKH2 ENSG00000147613 protein_coding	-3,268
ANXA3 ENSG00000138772 protein_coding	-2,114
CNTN5 ENSG00000149972 protein_coding	4,085
HRK ENSG00000135116 protein_coding	3,851
BFSP2 ENSG00000170819 protein_coding	-2,812
PHF19 ENSG00000119403 protein_coding	2,233
CNGB1 ENSG00000070729 protein_coding	-2,227
APLP1 ENSG00000105290 protein_coding	3,568
KRT23 ENSG00000108244 protein_coding	-2,455
GOLGA6L7P ENSG00000261649 protein_coding	2,659
KSR2 ENSG00000171435 protein_coding	-2,094
ADRA2A ENSG00000150594 protein_coding	-2,502
CAPN8 ENSG00000203697 protein_coding	-2,553
CKMT1A ENSG00000223572 protein_coding	-2,445
ANO4 ENSG00000151572 protein_coding	2,987
SOWAHA ENSG00000198944 protein_coding	-2,311
AL512506.3 ENSG00000281883 protein_coding	-2,396
EPOP ENSG00000273604 protein_coding	2,011
DPP4 ENSG00000197635 protein_coding	-2,178
PRND ENSG00000171864 protein_coding	5,136
CDH11 ENSG00000140937 protein_coding	2,124
GALNT5 ENSG00000136542 protein_coding	4,355
TSLP ENSG00000145777 protein_coding	-2,369

ACOT6 ENSG00000205669 protein_coding	-2,347
COL28A1 ENSG00000215018 protein_coding	-2,055
LMX1B ENSG00000136944 protein_coding	3,641
NLRP9 ENSG00000185792 protein_coding	-2,640
AL662899.1 ENSG00000204422 protein_coding	5,247
RSPO1 ENSG00000169218 protein_coding	4,211
THBS4 ENSG00000113296 protein_coding	5,097
CNTNAP5 ENSG00000155052 protein_coding	5,490
WBSCR17 ENSG00000185274 protein_coding	2,555
EMID1 ENSG00000186998 protein_coding	2,630
CCDC167 ENSG00000198937 protein_coding	2,049
CD3E ENSG00000198851 protein_coding	-2,089
VIP ENSG00000146469 protein_coding	-2,158
ILDR2 ENSG00000143195 protein_coding	3,430
MEGF10 ENSG00000145794 protein_coding	6,231
CNTNAP3B ENSG00000154529 protein_coding	-2,042
CRYBG3 ENSG00000080200 protein_coding	-2,036
SLC26A9 ENSG00000174502 protein_coding	-2,355
MMP23B ENSG00000189409 protein_coding	3,084
LRR71 ENSG00000160838 protein_coding	3,314
CDH15 ENSG00000129910 protein_coding	6,350
COL20A1 ENSG00000101203 protein_coding	3,372
AL355102.2 ENSG00000258691 protein_coding	-3,281
FEZ1 ENSG00000149557 protein_coding	2,054
HS3ST3A1 ENSG00000153976 protein_coding	3,308
MYOC ENSG00000034971 protein_coding	-2,566
CHSY3 ENSG00000198108 protein_coding	2,484
ALK ENSG00000171094 protein_coding	5,092
LZTS1 ENSG00000061337 protein_coding	2,602
OR13A1 ENSG00000256574 protein_coding	3,429
PCDH11Y ENSG00000099715 protein_coding	-3,399
LOX ENSG00000113083 protein_coding	3,401
C12orf56 ENSG00000185306 protein_coding	2,970
SLC26A7 ENSG00000147606 protein_coding	-2,902
SH2D1B ENSG00000198574 protein_coding	-2,007
KCNH8 ENSG00000183960 protein_coding	3,445
ARAP2 ENSG00000047365 protein_coding	-2,164
ISM1 ENSG00000101230 protein_coding	3,264
SH3RF3 ENSG00000172985 protein_coding	2,191
SPTSSB ENSG00000196542 protein_coding	-2,741
FATE1 ENSG00000147378 protein_coding	3,888
TRIM43B ENSG00000144010 protein_coding	9,838
RXRG ENSG00000143171 protein_coding	6,202
PLPPR1 ENSG00000148123 protein_coding	-2,873
PNPLA3 ENSG00000100344 protein_coding	3,143

IL1RAPL1 ENSG00000169306 protein_coding	3,728
CDH10 ENSG00000040731 protein_coding	5,681
UCN3 ENSG00000178473 protein_coding	6,656
OR2T10 ENSG00000184022 protein_coding	-3,122
GNG3 ENSG00000162188 protein_coding	3,212
ABCC8 ENSG0000006071 protein_coding	4,719
ADRB1 ENSG00000043591 protein_coding	-2,920
PCDHB2 ENSG00000112852 protein_coding	4,150
BDKRB1 ENSG00000100739 protein_coding	-2,966
LY6L ENSG00000261667 protein_coding	-3,528
C9orf129 ENSG00000204352 protein_coding	3,263
REEP1 ENSG00000068615 protein_coding	2,933
PAQR9 ENSG00000188582 protein_coding	4,918
PEG3 ENSG00000198300 protein_coding	2,306
RHOA ENSG00000116574 protein_coding	2,448
HHATL ENSG00000010282 protein_coding	5,686
TMEM47 ENSG00000147027 protein_coding	-2,133
PNOC ENSG00000168081 protein_coding	-2,379
CD22 ENSG00000012124 protein_coding	3,129
IGSF9B ENSG00000080854 protein_coding	2,684
ICOS ENSG00000163600 protein_coding	-2,354
AL662899.2 ENSG00000250641 protein_coding	7,648
INMT ENSG00000241644 protein_coding	-2,164
CALML5 ENSG00000178372 protein_coding	9,365
LPAR3 ENSG00000171517 protein_coding	5,090
BCL11A ENSG00000119866 protein_coding	2,755
TPO ENSG00000115705 protein_coding	4,084
CA4 ENSG00000167434 protein_coding	-2,234
KRT15 ENSG00000171346 protein_coding	-2,909
ZDHHC22 ENSG00000177108 protein_coding	5,842
HIST1H2AB ENSG00000278463 protein_coding	3,946
DOK5 ENSG00000101134 protein_coding	-2,151
ENHO ENSG00000168913 protein_coding	2,548
GDF10 ENSG00000266524 protein_coding	4,689
LRRD1 ENSG00000240720 protein_coding	2,642
KIAA1024L ENSG00000186367 protein_coding	4,389
NT5DC4 ENSG00000144130 protein_coding	2,623
PBOV1 ENSG00000254440 protein_coding	-2,721
ASCL1 ENSG00000139352 protein_coding	8,741
CECR6 ENSG00000183307 protein_coding	2,621
OTOA ENSG00000155719 protein_coding	4,573
KCNK12 ENSG00000184261 protein_coding	3,519
MPPED1 ENSG00000186732 protein_coding	4,415
C16orf90 ENSG00000215131 protein_coding	-2,092
ANKFN1 ENSG00000153930 protein_coding	3,854

CYTL1 ENSG00000170891 protein_coding	4,468
GRIK1 ENSG00000171189 protein_coding	4,948
SALL4 ENSG00000101115 protein_coding	4,464
TMEM215 ENSG00000188133 protein_coding	7,052
DMRT1 ENSG00000137090 protein_coding	6,988
FGF13 ENSG00000129682 protein_coding	2,688
TIGD3 ENSG00000173825 protein_coding	2,290
PGC ENSG00000096088 protein_coding	-2,093
PTCHD1 ENSG00000165186 protein_coding	4,654
DAB1 ENSG00000173406 protein_coding	4,161
C10orf99 ENSG00000188373 protein_coding	-3,514
NRP2 ENSG00000118257 protein_coding	2,280
SPEG ENSG00000072195 protein_coding	2,132
KCNC2 ENSG00000166006 protein_coding	7,776
SCN2A ENSG00000136531 protein_coding	-2,876
ESM1 ENSG00000164283 protein_coding	2,527
CPXM2 ENSG00000121898 protein_coding	-2,212
NKX3-2 ENSG00000109705 protein_coding	6,254
CHRNA4 ENSG00000117971 protein_coding	2,688
CYP26A1 ENSG00000095596 protein_coding	4,607
PCBP3 ENSG00000183570 protein_coding	-2,013
SLC6A11 ENSG00000132164 protein_coding	6,488
CPT1C ENSG00000169169 protein_coding	2,127
OLFML2B ENSG00000162745 protein_coding	2,576
FAM19A5 ENSG00000219438 protein_coding	2,170
NFE2 ENSG00000123405 protein_coding	3,033
GLYATL2 ENSG00000156689 protein_coding	2,565
CNTN6 ENSG00000134115 protein_coding	3,141
CNMD ENSG00000136110 protein_coding	4,641
SYCP2L ENSG00000153157 protein_coding	3,121
HOXA1 ENSG00000105991 protein_coding	2,296
WNT10B ENSG00000169884 protein_coding	3,737
ECEL1 ENSG00000171551 protein_coding	4,835
CD1D ENSG00000158473 protein_coding	3,945
SOGA3 ENSG00000255330 protein_coding	2,654
CYP2C18 ENSG00000108242 protein_coding	-2,278
HIST2H2AC ENSG00000184260 protein_coding	2,425
MPPED2 ENSG00000066382 protein_coding	-2,451
ZNF474 ENSG00000164185 protein_coding	2,315
NMNAT3 ENSG00000163864 protein_coding	-2,262
SPINK5 ENSG00000133710 protein_coding	2,741
MRGPRE ENSG00000184350 protein_coding	-3,064
LIN7A ENSG00000111052 protein_coding	-2,405
DPP6 ENSG00000130226 protein_coding	2,939
CFAP77 ENSG00000188523 protein_coding	3,408

OLFM3 ENSG00000118733 protein_coding	6,375
AMH ENSG00000104899 protein_coding	3,954
SPRR2F ENSG00000244094 protein_coding	10,346
CUX2 ENSG00000111249 protein_coding	4,357
CH25H ENSG00000138135 protein_coding	-2,262
HBA1 ENSG00000206172 protein_coding	-2,381
CKMT1B ENSG00000237289 protein_coding	-2,395
EPHA8 ENSG00000070886 protein_coding	3,813
CYP17A1 ENSG00000148795 protein_coding	-2,097
STRA8 ENSG00000146857 protein_coding	-2,546
RNASE13 ENSG00000206150 protein_coding	-2,178
ANXA10 ENSG00000109511 protein_coding	-2,280
NMNAT2 ENSG00000157064 protein_coding	4,588
FAM163A ENSG00000143340 protein_coding	3,754
OR52N2 ENSG00000180988 protein_coding	-3,264
UGT1A1 ENSG00000241635 protein_coding	-3,016
BPIFB1 ENSG00000125999 protein_coding	-2,326
FRRS1L ENSG00000260230 protein_coding	3,405
DYDC1 ENSG00000170788 protein_coding	2,640
UMODL1 ENSG00000177398 protein_coding	-2,100
AC010325.1 ENSG00000261341 protein_coding	3,105
TTYH2 ENSG00000141540 protein_coding	2,154
AC009014.1 ENSG00000271824 protein_coding	-2,302
LRFN2 ENSG00000156564 protein_coding	4,144
GPR55 ENSG00000135898 protein_coding	3,665
COBL ENSG00000106078 protein_coding	-2,175
DAW1 ENSG00000123977 protein_coding	-2,510
MYOZ3 ENSG00000164591 protein_coding	2,141
MAPT ENSG00000186868 protein_coding	2,637
TLX1 ENSG00000107807 protein_coding	8,641
BTN1A1 ENSG00000124557 protein_coding	4,717
LIM2 ENSG00000105370 protein_coding	5,586
DLG5 ENSG00000151208 protein_coding	2,189
DNAJC5G ENSG00000163793 protein_coding	4,411
DSCAM ENSG00000171587 protein_coding	4,205
STRA6 ENSG00000137868 protein_coding	3,080
C8orf89 ENSG00000274443 protein_coding	3,314
MYH14 ENSG00000105357 protein_coding	-2,605
POMK ENSG00000185900 protein_coding	3,005
TRPM5 ENSG00000070985 protein_coding	4,425
ANKS1B ENSG00000185046 protein_coding	2,285
GHRL ENSG00000157017 protein_coding	3,417
SERPINE1 ENSG00000106366 protein_coding	-2,121
FANCD2OS ENSG00000163705 protein_coding	2,341
GLDC ENSG00000178445 protein_coding	-2,222

MT1G ENSG00000125144 protein_coding	-2,255
OPRK1 ENSG00000082556 protein_coding	5,977
NUPR1 ENSG00000176046 protein_coding	-2,185
GRIN2B ENSG00000273079 protein_coding	2,948
AC073610.3 ENSG00000272822 protein_coding	2,222
FOXE3 ENSG00000186790 protein_coding	2,765
IL1RN ENSG00000136689 protein_coding	-2,106
H2BFM ENSG00000101812 protein_coding	5,705
SELENOV ENSG00000186838 protein_coding	2,998
RAB33A ENSG00000134594 protein_coding	2,561
SYT6 ENSG00000134207 protein_coding	5,863
PAX3 ENSG00000135903 protein_coding	9,290
CGREF1 ENSG00000138028 protein_coding	2,995
BEND4 ENSG00000188848 protein_coding	5,259
MAP7D2 ENSG00000184368 protein_coding	2,684
GJA1 ENSG00000152661 protein_coding	2,067
NIPAL4 ENSG00000172548 protein_coding	-2,019
KCNE5 ENSG00000176076 protein_coding	3,958
HBQ1 ENSG00000086506 protein_coding	4,642
CDK15 ENSG00000138395 protein_coding	2,401
AC244517.6 ENSG00000279068 protein_coding	3,958
LY6G6D ENSG00000244355 protein_coding	8,928
SCHIP1 ENSG00000151967 protein_coding	2,058
UGT1A8 ENSG00000242366 protein_coding	-3,334
TYRP1 ENSG00000107165 protein_coding	-2,579
PMCH ENSG00000183395 protein_coding	3,984
TNN ENSG00000120332 protein_coding	3,611
SLC38A8 ENSG00000166558 protein_coding	4,128
GLP1R ENSG00000112164 protein_coding	3,691
LY6G6E ENSG00000255552 protein_coding	5,585
TRABD2B ENSG00000269113 protein_coding	2,327
ISL2 ENSG00000159556 protein_coding	7,222
SLC17A2 ENSG00000112337 protein_coding	-2,907
LHX2 ENSG00000106689 protein_coding	6,045
MDFI ENSG00000112559 protein_coding	2,456
DPF3 ENSG00000205683 protein_coding	2,379
AC092821.1 ENSG00000214776 protein_coding	2,040
RPL36A-HNRNPH2 ENSG00000257529 protein_coding	2,543
CTSE ENSG00000196188 protein_coding	-2,671
HNF4G ENSG00000164749 protein_coding	-2,255
GRIK4 ENSG00000149403 protein_coding	2,528
LINC00672 ENSG00000263874 protein_coding	3,023
GNAL ENSG00000141404 protein_coding	2,256
CYP11A1 ENSG00000140459 protein_coding	2,686
CPA1 ENSG00000091704 protein_coding	3,038

C2orf40 ENSG00000119147 protein_coding	-2,492
SEPT5 ENSG00000184702 protein_coding	2,001
B3GALNT2 ENSG00000162885 protein_coding	2,095
HOXD13 ENSG00000128714 protein_coding	7,583
SYT1 ENSG00000067715 protein_coding	2,350
TMEM105 ENSG00000185332 protein_coding	3,490
OTOS ENSG00000178602 protein_coding	6,155
IZUMO2 ENSG00000161652 protein_coding	-2,340
MTUS2 ENSG00000132938 protein_coding	2,885
HSPE1-MOB4 ENSG00000270757 protein_coding	3,815
SUCNR1 ENSG00000198829 protein_coding	-2,310
NOS1 ENSG00000089250 protein_coding	-2,425
SCRT2 ENSG00000215397 protein_coding	8,233
KLK3 ENSG00000142515 protein_coding	-2,649
ARL14 ENSG00000179674 protein_coding	-2,457
CAPNS2 ENSG00000256812 protein_coding	-2,654
PLA2G4D ENSG00000159337 protein_coding	3,592
LRRC7 ENSG00000033122 protein_coding	3,122
RAB39A ENSG00000179331 protein_coding	3,992
PATE2 ENSG00000196844 protein_coding	5,312
HTR6 ENSG00000158748 protein_coding	5,048
CDH8 ENSG00000150394 protein_coding	4,146
NAV3 ENSG00000067798 protein_coding	4,995
ICAM5 ENSG00000105376 protein_coding	-2,382
PACSL1 ENSG00000124507 protein_coding	2,939
HHLPL2 ENSG00000143512 protein_coding	4,841
C10orf71 ENSG00000177354 protein_coding	5,628
SYPL2 ENSG00000143028 protein_coding	-2,301
PLCH1 ENSG00000114805 protein_coding	2,360
ZSCAN10 ENSG00000130182 protein_coding	3,410
ZPBP ENSG00000042813 protein_coding	-2,094
MYH15 ENSG00000144821 protein_coding	2,084
RGS10 ENSG00000148908 protein_coding	2,119
OR51E2 ENSG00000167332 protein_coding	6,117
AC106782.1 ENSG00000258130 protein_coding	-2,092
KCNT1 ENSG00000107147 protein_coding	4,355
SLC35F1 ENSG00000196376 protein_coding	3,110
TSPAN2 ENSG00000134198 protein_coding	2,030
FCER1A ENSG00000179639 protein_coding	-2,278
EDNRA ENSG00000151617 protein_coding	2,739
PCDHB6 ENSG00000113211 protein_coding	2,483
C4A ENSG00000244731 protein_coding	-2,097
OR1E1 ENSG00000180016 protein_coding	-3,251
SPACA3 ENSG00000141316 protein_coding	5,148
CGB7 ENSG00000196337 protein_coding	2,911

DNAH10 ENSG00000197653 protein_coding	2,065
SNCAIP ENSG00000064692 protein_coding	2,438
LGALS14 ENSG00000006659 protein_coding	7,071
CLPSL1 ENSG00000204140 protein_coding	5,053
OR10A3 ENSG00000170683 protein_coding	-3,228
SCX ENSG00000260428 protein_coding	2,831
PRSS33 ENSG00000103355 protein_coding	6,276
KCNK10 ENSG00000100433 protein_coding	3,491
KCNA5 ENSG00000130037 protein_coding	2,527
SGCD ENSG00000170624 protein_coding	3,017
GNG4 ENSG00000168243 protein_coding	2,583
PRKG1 ENSG00000185532 protein_coding	2,295
ARHGDIG ENSG00000242173 protein_coding	4,669
ARL9 ENSG00000196503 protein_coding	3,207
ANGPTL6 ENSG00000130812 protein_coding	3,315
SIM1 ENSG00000112246 protein_coding	-2,496
PPFIA4 ENSG00000143847 protein_coding	2,242
HIST1H3G ENSG00000273983 protein_coding	3,019
HOXA6 ENSG00000106006 protein_coding	2,444
TRIM36 ENSG00000152503 protein_coding	3,543
SPANXB1 ENSG00000227234 protein_coding	-2,729
DNAJC5B ENSG00000147570 protein_coding	4,045
TGM3 ENSG00000125780 protein_coding	5,564
MYH13 ENSG00000006788 protein_coding	4,377
FAM205C ENSG00000187791 protein_coding	2,770
GPR158 ENSG00000151025 protein_coding	4,547
TGM7 ENSG00000159495 protein_coding	-2,223
CCNO ENSG00000152669 protein_coding	-2,266
PERM1 ENSG00000187642 protein_coding	-2,165
STEAP1B ENSG00000105889 protein_coding	2,956
CHL1 ENSG00000134121 protein_coding	-3,256
SSTR4 ENSG00000132671 protein_coding	5,729
ACAN ENSG00000157766 protein_coding	3,298
CAMK2B ENSG00000058404 protein_coding	2,213
KCNK17 ENSG00000124780 protein_coding	4,784
PAK5 ENSG00000101349 protein_coding	3,308
OR6V1 ENSG00000225781 protein_coding	5,300
SCG5 ENSG00000166922 protein_coding	3,802
GLI2 ENSG00000074047 protein_coding	2,457
GABRA5 ENSG00000186297 protein_coding	4,145
ZNF560 ENSG00000198028 protein_coding	6,209
HOXC4 ENSG00000198353 protein_coding	2,479
OR2A25 ENSG00000221933 protein_coding	-2,603
FZD9 ENSG00000188763 protein_coding	3,137
TCF24 ENSG00000261787 protein_coding	5,452

TDRD15 ENSG00000218819 protein_coding	5,782
LUZP2 ENSG00000187398 protein_coding	5,148
C8B ENSG00000021852 protein_coding	-3,036
LECT2 ENSG00000145826 protein_coding	2,346
TP73 ENSG00000078900 protein_coding	2,906
DCX ENSG00000077279 protein_coding	6,737
OR6K3 ENSG00000203757 protein_coding	-3,150
BNC1 ENSG00000169594 protein_coding	3,373
GFY ENSG00000261949 protein_coding	5,640
GJD4 ENSG00000177291 protein_coding	3,855
METTL21C ENSG00000139780 protein_coding	4,226
CHRNA3 ENSG00000080644 protein_coding	2,068
EBLN1 ENSG00000223601 protein_coding	4,014
FLRT1 ENSG00000126500 protein_coding	-2,224
CHP2 ENSG00000166869 protein_coding	3,005
SNTG2 ENSG00000172554 protein_coding	2,822
C17orf99 ENSG00000187997 protein_coding	-2,291
NETO1 ENSG00000166342 protein_coding	6,686
SPDYE4 ENSG00000183318 protein_coding	-2,497
LEMD1 ENSG00000186007 protein_coding	2,905
KLF14 ENSG00000266265 protein_coding	3,296
RFPL2 ENSG00000128253 protein_coding	3,947
GGT2 ENSG00000133475 protein_coding	-2,267
AZU1 ENSG00000172232 protein_coding	2,819
PLP1 ENSG00000123560 protein_coding	4,344
TRDN ENSG00000186439 protein_coding	8,539
SCGB1D2 ENSG00000124935 protein_coding	-3,692
FER1L6 ENSG00000214814 protein_coding	-2,200
RTL9 ENSG00000243978 protein_coding	2,106
MUC16 ENSG00000181143 protein_coding	5,483
SYT14 ENSG00000143469 protein_coding	4,990
TPRG1 ENSG00000188001 protein_coding	2,502
PHF24 ENSG00000122733 protein_coding	2,681
PRSS35 ENSG00000146250 protein_coding	-2,348
HBG1 ENSG00000213934 protein_coding	-2,781
NTN3 ENSG00000162068 protein_coding	2,653
LRRTM3 ENSG00000198739 protein_coding	4,027
FLRT2 ENSG00000185070 protein_coding	2,233
TFAP2C ENSG00000087510 protein_coding	-2,536
ATP4A ENSG00000105675 protein_coding	3,211
CLDN1 ENSG00000163347 protein_coding	-2,189
STAT4 ENSG00000138378 protein_coding	4,915
COL11A2 ENSG00000204248 protein_coding	3,636
TMEM151B ENSG00000178233 protein_coding	4,079
PCDHA4 ENSG00000204967 protein_coding	2,139

ACSM5 ENSG00000183549 protein_coding	-2,311
SLC22A3 ENSG00000146477 protein_coding	-2,319
ONECUT2 ENSG00000119547 protein_coding	3,446
PPP1R3G ENSG00000219607 protein_coding	2,335
KCNJ15 ENSG00000157551 protein_coding	-2,231
KIF19 ENSG00000196169 protein_coding	4,295
STK26 ENSG00000134602 protein_coding	2,589
CENPVL3 ENSG00000224109 protein_coding	7,616
ZNF648 ENSG00000179930 protein_coding	3,581
TM6SF2 ENSG00000213996 protein_coding	2,019
CHRM2 ENSG00000181072 protein_coding	5,723
TRHDE ENSG00000072657 protein_coding	-2,543
SH2D7 ENSG00000183476 protein_coding	2,100
RAET1E ENSG00000164520 protein_coding	-2,069
GABRG3 ENSG00000182256 protein_coding	2,661
VGLL3 ENSG00000206538 protein_coding	-2,346
GPRIN1 ENSG00000169258 protein_coding	2,680
TRIM15 ENSG00000204610 protein_coding	-2,191
RFLNA ENSG00000178882 protein_coding	2,339
CEMIP ENSG00000103888 protein_coding	2,817
TEX11 ENSG00000120498 protein_coding	3,538
UGT1A5 ENSG00000240224 protein_coding	-2,859
IGSF1 ENSG00000147255 protein_coding	3,333
ROR1 ENSG00000185483 protein_coding	2,274
CAMKV ENSG00000164076 protein_coding	4,158
LY6G6F ENSG00000204424 protein_coding	4,270
AC114296.1 ENSG00000250378 protein_coding	-2,210
COLEC10 ENSG00000184374 protein_coding	-2,317
TAC3 ENSG00000166863 protein_coding	4,877
TMEM179 ENSG00000258986 protein_coding	3,901
SH3GL2 ENSG00000107295 protein_coding	-2,021
GABRD ENSG00000187730 protein_coding	2,520
TEKT5 ENSG00000153060 protein_coding	2,067
MS4A1 ENSG00000156738 protein_coding	-2,256
SLC17A1 ENSG00000124568 protein_coding	-3,350
STARD6 ENSG00000174448 protein_coding	2,260
MUM1L1 ENSG00000157502 protein_coding	4,341
GUCA2A ENSG00000197273 protein_coding	-2,664
BTNL2 ENSG00000204290 protein_coding	3,654
ST8SIA3 ENSG00000177511 protein_coding	8,643
FAM84A ENSG00000162981 protein_coding	2,175
RGS7 ENSG00000182901 protein_coding	2,995
ZNF536 ENSG00000198597 protein_coding	4,882
MALRD1 ENSG00000204740 protein_coding	-2,001
SPRR2A ENSG00000241794 protein_coding	-2,994

CNTN2 ENSG00000184144 protein_coding	3,858
TMC2 ENSG00000149488 protein_coding	4,178
ALX1 ENSG00000180318 protein_coding	-2,672
CPA6 ENSG00000165078 protein_coding	3,188
IRX6 ENSG00000159387 protein_coding	-2,114
ALX3 ENSG00000156150 protein_coding	8,925
NDST4 ENSG00000138653 protein_coding	5,324
CLEC4F ENSG00000152672 protein_coding	2,786
TMEM145 ENSG00000167619 protein_coding	3,668
TMEM132D ENSG00000151952 protein_coding	3,020
SDS ENSG00000135094 protein_coding	2,436
ZNF683 ENSG00000176083 protein_coding	-2,001
SYNGR4 ENSG00000105467 protein_coding	3,538
OBP2B ENSG00000171102 protein_coding	6,832
SLC13A1 ENSG00000081800 protein_coding	-3,196
GJA8 ENSG00000121634 protein_coding	5,360
HOXC11 ENSG00000123388 protein_coding	4,338
TMEM59L ENSG00000105696 protein_coding	2,289
GAS7 ENSG00000007237 protein_coding	2,152
HIST1H4A ENSG00000278637 protein_coding	2,449
KBTBD13 ENSG00000234438 protein_coding	4,407
IGF2BP3 ENSG00000136231 protein_coding	5,276
CACNA1A ENSG00000141837 protein_coding	2,082
HAND2 ENSG00000164107 protein_coding	9,172
SOHLH2 ENSG00000120669 protein_coding	3,021
SPAG6 ENSG00000077327 protein_coding	3,912
PAX9 ENSG00000198807 protein_coding	4,018
SLC22A24 ENSG00000197658 protein_coding	-2,845
PDE3A ENSG00000172572 protein_coding	2,139
UGT1A7 ENSG00000244122 protein_coding	-2,837
CLDN24 ENSG00000185758 protein_coding	-2,037
CFC1 ENSG00000136698 protein_coding	7,552
TMPRSS4 ENSG00000137648 protein_coding	-2,407
CRLF2 ENSG00000205755 protein_coding	-2,377
MT1H ENSG00000205358 protein_coding	-2,111
TNNT3 ENSG00000130595 protein_coding	6,924
NTF4 ENSG00000225950 protein_coding	2,259
DEFB126 ENSG00000125788 protein_coding	7,374
FGF19 ENSG00000162344 protein_coding	5,974
ARPP21 ENSG00000172995 protein_coding	4,712
ACSS3 ENSG00000111058 protein_coding	-2,137
SCN3A ENSG00000153253 protein_coding	-2,381
XKR7 ENSG00000260903 protein_coding	4,820
HOXD11 ENSG00000128713 protein_coding	2,877
ZSCAN5B ENSG00000197213 protein_coding	2,668

SPINK4 ENSG00000122711 protein_coding	-2,377
FGF10 ENSG00000070193 protein_coding	3,372
DMRTB1 ENSG00000143006 protein_coding	4,580
NPY2R ENSG00000185149 protein_coding	8,031
MCHR1 ENSG00000128285 protein_coding	3,324
OR2H2 ENSG00000204657 protein_coding	3,423
POU3F4 ENSG00000196767 protein_coding	-3,984
DNAH12 ENSG00000174844 protein_coding	2,174
PCDHB16 ENSG00000272674 protein_coding	2,010
CCDC194 ENSG00000269720 protein_coding	3,044
CXCL13 ENSG00000156234 protein_coding	4,730
SEL1L2 ENSG00000101251 protein_coding	2,782
BCHE ENSG00000114200 protein_coding	4,748
TXNDC2 ENSG00000168454 protein_coding	2,431
EFNA2 ENSG00000099617 protein_coding	4,431
AC133555.3 ENSG00000258150 protein_coding	-2,100
GPA33 ENSG00000143167 protein_coding	3,119
TRIM42 ENSG00000155890 protein_coding	-2,813
IRGM ENSG00000237693 protein_coding	2,702
B3GALT2 ENSG00000162630 protein_coding	4,183
SHANK1 ENSG00000161681 protein_coding	3,545
FGL1 ENSG00000104760 protein_coding	-2,678
DCLK1 ENSG00000133083 protein_coding	2,431
MEIS2 ENSG00000134138 protein_coding	2,388
RBFOX1 ENSG00000078328 protein_coding	3,749
DCSTAMP ENSG00000164935 protein_coding	4,969
FGF14 ENSG00000102466 protein_coding	4,230
PLPPR4 ENSG00000117600 protein_coding	4,108
MYL7 ENSG00000106631 protein_coding	4,648
PTGES3L ENSG00000267060 protein_coding	2,308
RAX2 ENSG00000173976 protein_coding	4,603
SPINK2 ENSG00000128040 protein_coding	2,535
SERPINB5 ENSG00000206075 protein_coding	-2,382
H2BFWT ENSG00000123569 protein_coding	6,364
C1QL1 ENSG00000131094 protein_coding	3,592
CA10 ENSG00000154975 protein_coding	-2,617
KRTAP7-1 ENSG00000274749 protein_coding	5,224
SMOC1 ENSG00000198732 protein_coding	3,434
AC107871.1 ENSG00000260007 protein_coding	5,026
PRM3 ENSG00000178257 protein_coding	3,088
DKK2 ENSG00000155011 protein_coding	5,176
GRID2 ENSG00000152208 protein_coding	5,326
TP53TG3D ENSG00000205456 protein_coding	3,703
RNASE8 ENSG00000173431 protein_coding	-2,481
VSX2 ENSG00000119614 protein_coding	6,265

SOHLH1 ENSG00000165643 protein_coding	5,635
KLK7 ENSG00000169035 protein_coding	3,382
FNDC5 ENSG00000160097 protein_coding	2,700
PNPLA5 ENSG00000100341 protein_coding	4,380
PYGM ENSG00000068976 protein_coding	2,812
GCSAM ENSG00000174500 protein_coding	2,425
NOG ENSG00000183691 protein_coding	2,695
SYT4 ENSG00000132872 protein_coding	7,728
IL20RA ENSG00000016402 protein_coding	4,144
CELF3 ENSG00000159409 protein_coding	5,319
CP ENSG00000047457 protein_coding	-2,633
PTCHD3 ENSG00000182077 protein_coding	-2,376
LRR74A ENSG00000100565 protein_coding	-2,107
AC092835.1 ENSG00000233757 protein_coding	2,121
VSTM2A ENSG00000170419 protein_coding	6,611
LHFPL3 ENSG00000187416 protein_coding	-2,417
AIPL1 ENSG00000129221 protein_coding	4,418
EDN3 ENSG00000124205 protein_coding	3,117
POPDC3 ENSG00000132429 protein_coding	4,541
PCDHA10 ENSG00000250120 protein_coding	2,321
ACTN3 ENSG00000248746 protein_coding	4,707
CD19 ENSG00000177455 protein_coding	4,012
MEIOC ENSG00000180336 protein_coding	2,206
SPRR2D ENSG00000163216 protein_coding	-3,176
PPEF1 ENSG00000086717 protein_coding	2,458
SNCB ENSG00000074317 protein_coding	3,439
MSTN ENSG00000138379 protein_coding	4,080
SHISA7 ENSG00000187902 protein_coding	3,736
SOX8 ENSG00000005513 protein_coding	3,154
FLG2 ENSG00000143520 protein_coding	-2,452
TEX37 ENSG00000172073 protein_coding	4,773
GPR50 ENSG00000102195 protein_coding	10,330
TNNI3 ENSG00000129991 protein_coding	4,659
NKAIN2 ENSG00000188580 protein_coding	3,041
AC104109.3 ENSG00000272772 protein_coding	3,382
LRR3B ENSG00000179796 protein_coding	3,510
C16orf92 ENSG00000167194 protein_coding	3,576
CDKN2A ENSG00000147889 protein_coding	3,622
SPRR1A ENSG00000169474 protein_coding	-2,745
CRB2 ENSG00000148204 protein_coding	2,626
ACTL6B ENSG00000077080 protein_coding	5,313
MT3 ENSG00000087250 protein_coding	-2,160
ELSPBP1 ENSG00000169393 protein_coding	4,045
EBF2 ENSG00000221818 protein_coding	3,494
OTOP2 ENSG00000183034 protein_coding	5,128

GRIA4 ENSG00000152578 protein_coding	4,491
MYOD1 ENSG00000129152 protein_coding	9,797
SHD ENSG00000105251 protein_coding	4,733
C6orf229 ENSG00000260286 protein_coding	4,233
PCDHA3 ENSG00000255408 protein_coding	2,267
BCAT1 ENSG00000060982 protein_coding	2,856
MLN ENSG00000096395 protein_coding	4,232
APOA1 ENSG00000118137 protein_coding	2,710
MYOG ENSG00000122180 protein_coding	10,030
PCDHA11 ENSG00000249158 protein_coding	3,550
ZP1 ENSG00000149506 protein_coding	2,616
BTBD11 ENSG00000151136 protein_coding	2,028
HDAC9 ENSG00000048052 protein_coding	2,372
DCDC2C ENSG00000214866 protein_coding	4,261
CPN2 ENSG00000178772 protein_coding	-2,025
IGLON5 ENSG00000142549 protein_coding	5,068
EDA2R ENSG00000131080 protein_coding	3,307
FRMPD3 ENSG00000147234 protein_coding	2,445
PRODH2 ENSG00000250799 protein_coding	-2,779
STMND1 ENSG00000230873 protein_coding	2,284
C2orf80 ENSG00000188674 protein_coding	5,472
GABRA2 ENSG00000151834 protein_coding	-2,861
CACNG6 ENSG00000130433 protein_coding	5,508
TCTE1 ENSG00000146221 protein_coding	2,340
HOXA13 ENSG00000106031 protein_coding	9,378
FOXB1 ENSG00000171956 protein_coding	7,614
EBF3 ENSG00000108001 protein_coding	4,020
PTGES3L-AARSD1 ENSG00000108825 protein_coding	2,184
A1CF ENSG00000148584 protein_coding	-2,246
MYH6 ENSG00000197616 protein_coding	3,206
C10orf142 ENSG00000277288 protein_coding	2,604
MMP9 ENSG00000100985 protein_coding	5,730
PTF1A ENSG00000168267 protein_coding	2,835
CPNE7 ENSG00000178773 protein_coding	3,056
TWIST2 ENSG00000233608 protein_coding	2,962
USH1G ENSG00000182040 protein_coding	3,065
GADL1 ENSG00000144644 protein_coding	-2,317
DOK6 ENSG00000206052 protein_coding	2,115
CEACAM7 ENSG00000007306 protein_coding	-2,503
MTRNR2L5 ENSG00000249860 protein_coding	-2,005
EMB ENSG00000170571 protein_coding	2,575
MUC12 ENSG00000205277 protein_coding	2,546
ACTL8 ENSG00000117148 protein_coding	7,121
NXPH1 ENSG00000122584 protein_coding	7,348
PTPRR ENSG00000153233 protein_coding	3,780

SCG3 ENSG00000104112 protein_coding	5,811
KLHL40 ENSG00000157119 protein_coding	8,603
ADGB ENSG00000118492 protein_coding	4,306
CDK5R2 ENSG00000171450 protein_coding	3,800
MT1HL1 ENSG00000244020 protein_coding	-2,175
SPHKAP ENSG00000153820 protein_coding	5,149
P2RY1 ENSG00000169860 protein_coding	2,019
ANKRD30BL ENSG00000163046 protein_coding	3,764
HOXD12 ENSG00000170178 protein_coding	6,361
TRH ENSG00000170893 protein_coding	5,328
CCDC169-SOHLH2 ENSG00000250709 protein_coding	2,672
TCF23 ENSG00000163792 protein_coding	2,992
SLC12A5 ENSG00000124140 protein_coding	2,747
SMTNL1 ENSG00000214872 protein_coding	2,778
FOXD4L1 ENSG00000184492 protein_coding	6,084
FAM180A ENSG00000189320 protein_coding	-2,159
HAPLN4 ENSG00000187664 protein_coding	5,163
FAM92B ENSG00000153789 protein_coding	3,390
PATE4 ENSG00000237353 protein_coding	2,660
POU3F3 ENSG00000198914 protein_coding	-2,481
KIAA0319 ENSG00000137261 protein_coding	2,066
MT1M ENSG00000205364 protein_coding	-2,123
CTCFL ENSG00000124092 protein_coding	5,391
NXNL1 ENSG00000171773 protein_coding	2,622
TBATA ENSG00000166220 protein_coding	-2,124
LAMP5 ENSG00000125869 protein_coding	3,870
KRT25 ENSG00000204897 protein_coding	5,794
GLDN ENSG00000186417 protein_coding	3,409
SIX3 ENSG00000138083 protein_coding	6,772
MEOX2 ENSG00000106511 protein_coding	4,797
LGI1 ENSG00000108231 protein_coding	6,172
TACR3 ENSG00000169836 protein_coding	3,218
C16orf82 ENSG00000234186 protein_coding	4,725
AC069368.1 ENSG00000249240 protein_coding	2,411
GSG1L ENSG00000169181 protein_coding	3,522
TUBB4A ENSG00000104833 protein_coding	2,446
GLYATL1P3 ENSG00000255151 protein_coding	3,496
KRT71 ENSG00000139648 protein_coding	-2,018
OTC ENSG00000036473 protein_coding	2,762
DLX2 ENSG00000115844 protein_coding	5,636
RPL39L ENSG00000163923 protein_coding	2,000
CNPY1 ENSG00000146910 protein_coding	6,342
RAET1L ENSG00000155918 protein_coding	-2,363
ABCB4 ENSG00000005471 protein_coding	2,600
PAX7 ENSG00000009709 protein_coding	10,644

ATP2A1 ENSG00000196296 protein_coding	3,942
CLVS1 ENSG00000177182 protein_coding	2,115
KIRREL3 ENSG00000149571 protein_coding	3,441
MATN4 ENSG00000124159 protein_coding	2,496
LDHC ENSG00000166796 protein_coding	-2,507
PGA5 ENSG00000256713 protein_coding	3,147
T ENSG00000164458 protein_coding	5,990
FOXL2 ENSG00000183770 protein_coding	6,211
LCN1 ENSG00000160349 protein_coding	3,909
DLX1 ENSG00000144355 protein_coding	5,024
TNNI2 ENSG00000130598 protein_coding	7,210
TLX2 ENSG00000115297 protein_coding	3,354
GPR63 ENSG00000112218 protein_coding	2,139
CRABP1 ENSG00000166426 protein_coding	3,310
FAM166B ENSG00000215187 protein_coding	2,113
ANO5 ENSG00000171714 protein_coding	-2,114
RTN1 ENSG00000139970 protein_coding	2,528
CDH9 ENSG00000113100 protein_coding	-2,774
DSPP ENSG00000152591 protein_coding	3,578
TAAR1 ENSG00000146399 protein_coding	-2,531
RTL4 ENSG00000187823 protein_coding	-2,095
KCNQ5 ENSG00000185760 protein_coding	4,169
PAGE2B ENSG00000238269 protein_coding	4,491
C3orf52 ENSG00000114529 protein_coding	2,215
CHRNA4 ENSG00000101204 protein_coding	4,195
PATE3 ENSG00000236027 protein_coding	3,965
GABRA3 ENSG00000011677 protein_coding	4,984
ZFR2 ENSG00000105278 protein_coding	3,953
GLRA2 ENSG00000101958 protein_coding	3,561
CORO6 ENSG00000167549 protein_coding	2,250
PCDHA13 ENSG00000239389 protein_coding	2,773
PIK3R6 ENSG00000276231 protein_coding	2,011
RIMBP3 ENSG00000275793 protein_coding	2,109
ADRA1D ENSG00000171873 protein_coding	2,653
GRIK2 ENSG00000164418 protein_coding	2,883
RIPPLY1 ENSG00000147223 protein_coding	-2,098
CYP2W1 ENSG00000073067 protein_coding	-2,123
SYN2 ENSG00000157152 protein_coding	2,076
NME8 ENSG00000086288 protein_coding	4,545
APOL5 ENSG00000128313 protein_coding	4,464
LHCGR ENSG00000138039 protein_coding	3,646
ADGRB1 ENSG00000181790 protein_coding	2,442
NTRK1 ENSG00000198400 protein_coding	2,580
PRSS56 ENSG00000237412 protein_coding	3,735
RPL39 ENSG00000198918 protein_coding	2,009

TEX26 ENSG00000175664 protein_coding	3,992
DMP1 ENSG00000152592 protein_coding	3,212
KHDC1L ENSG00000256980 protein_coding	3,856
HOXC13 ENSG00000123364 protein_coding	5,879
STAC3 ENSG00000185482 protein_coding	3,169
CALB2 ENSG00000172137 protein_coding	5,123
HTR1A ENSG00000178394 protein_coding	-2,639
SERPINB7 ENSG00000166396 protein_coding	5,122
OR9A2 ENSG00000179468 protein_coding	4,116
CYP4F12 ENSG00000186204 protein_coding	-2,290
FAM181A ENSG00000140067 protein_coding	5,770
DYNC1I1 ENSG00000158560 protein_coding	3,010
GALNTL6 ENSG00000174473 protein_coding	3,545
LBX1 ENSG00000138136 protein_coding	9,153
MKX ENSG00000150051 protein_coding	4,899
MMP17 ENSG00000198598 protein_coding	2,321
SLC30A10 ENSG00000196660 protein_coding	2,661
DOCK3 ENSG00000088538 protein_coding	2,030
IGF2BP1 ENSG00000159217 protein_coding	5,318
TMEM132B ENSG00000139364 protein_coding	4,088
DBX2 ENSG00000185610 protein_coding	4,403
FNDC1 ENSG00000164694 protein_coding	2,470
CPNE4 ENSG00000196353 protein_coding	3,434
AL513165.2 ENSG00000256966 protein_coding	2,115
IGFL1 ENSG00000188293 protein_coding	-2,775
CPLX2 ENSG00000145920 protein_coding	5,376
LRRTM2 ENSG00000146006 protein_coding	3,028
OR5P2 ENSG00000183303 protein_coding	-2,593
TUBB3 ENSG00000258947 protein_coding	2,159
ALPK2 ENSG00000198796 protein_coding	-2,052
OR1G1 ENSG00000183024 protein_coding	5,112
CABP2 ENSG00000167791 protein_coding	3,950
HTR1F ENSG00000179097 protein_coding	3,185
PCDH8 ENSG00000136099 protein_coding	5,702
HOXB13 ENSG00000159184 protein_coding	8,491
SBSN ENSG00000189001 protein_coding	3,722
IGFN1 ENSG00000163395 protein_coding	3,930
HYAL4 ENSG00000106302 protein_coding	-2,323
FFAR3 ENSG00000185897 protein_coding	3,065
RFX4 ENSG00000111783 protein_coding	4,797
MAEL ENSG00000143194 protein_coding	3,260
BRDT ENSG00000137948 protein_coding	2,004
MYPN ENSG00000138347 protein_coding	6,333
ARHGAP36 ENSG00000147256 protein_coding	6,247
PTCHD4 ENSG00000244694 protein_coding	3,156

C1QL4 ENSG00000186897 protein_coding	2,679
NCR2 ENSG00000096264 protein_coding	4,549
GNAO1 ENSG00000087258 protein_coding	2,303
MAGEB3 ENSG00000198798 protein_coding	5,518
DLX4 ENSG00000108813 protein_coding	2,389
KRTAP21-2 ENSG00000187026 protein_coding	4,702
CTNND2 ENSG00000169862 protein_coding	3,115
AC131097.2 ENSG00000216921 protein_coding	2,312
CPED1 ENSG00000106034 protein_coding	2,067
HOXC12 ENSG00000123407 protein_coding	8,948
OLFM4 ENSG00000102837 protein_coding	-2,115
NAP1L2 ENSG00000186462 protein_coding	-2,055
IRX5 ENSG00000176842 protein_coding	-2,170
GAS2 ENSG00000148935 protein_coding	3,776
PABPC5 ENSG00000174740 protein_coding	2,344
ZNF469 ENSG00000225614 protein_coding	2,013
PCDHA6 ENSG00000081842 protein_coding	2,552
LACRT ENSG00000135413 protein_coding	-2,357
MEIS3 ENSG00000105419 protein_coding	2,301
NEFH ENSG00000100285 protein_coding	2,238
MB ENSG00000198125 protein_coding	5,492
NHLH1 ENSG00000171786 protein_coding	3,019
SNAP91 ENSG00000065609 protein_coding	4,555
ACSBG1 ENSG00000103740 protein_coding	2,006
C3orf22 ENSG00000180697 protein_coding	2,567
CLEC18C ENSG00000157335 protein_coding	3,395
RHBDL3 ENSG00000141314 protein_coding	2,443
PRAC2 ENSG00000229637 protein_coding	10,765
IL37 ENSG00000125571 protein_coding	4,189
MYO15A ENSG00000091536 protein_coding	2,177
TM4SF4 ENSG00000169903 protein_coding	-2,268
RCVRN ENSG00000109047 protein_coding	2,518
GNAT1 ENSG00000114349 protein_coding	2,294
OR52N4 ENSG00000181074 protein_coding	-2,135
SP7 ENSG00000170374 protein_coding	3,743
KLK6 ENSG00000167755 protein_coding	2,801
JSRP1 ENSG00000167476 protein_coding	3,859
PNMA6F ENSG00000225110 protein_coding	3,096
CELSR3 ENSG00000008300 protein_coding	2,028
TTC29 ENSG00000137473 protein_coding	2,637
SOX2 ENSG00000181449 protein_coding	6,319
CCL18 ENSG00000275385 protein_coding	4,028
NRG3 ENSG00000185737 protein_coding	2,742
MLC1 ENSG00000100427 protein_coding	5,287
DRGX ENSG00000165606 protein_coding	10,069

HMSD ENSG00000221887 protein_coding	3,143
ODF1 ENSG00000155087 protein_coding	3,052
C1orf105 ENSG00000180999 protein_coding	7,520
GABRB2 ENSG00000145864 protein_coding	3,385
AMPD1 ENSG00000116748 protein_coding	7,885
FGF5 ENSG00000138675 protein_coding	4,676
TLX3 ENSG00000164438 protein_coding	6,358
AL691442.1 ENSG00000251246 protein_coding	4,158
C12orf42 ENSG00000179088 protein_coding	2,980
WIF1 ENSG00000156076 protein_coding	7,316
ZBED6 ENSG00000257315 protein_coding	2,021
CDX4 ENSG00000131264 protein_coding	-2,081
F12 ENSG00000131187 protein_coding	2,560
KCNH7 ENSG00000184611 protein_coding	-2,410
LEFTY1 ENSG00000243709 protein_coding	2,529
GABRG2 ENSG00000113327 protein_coding	8,873
HCN4 ENSG00000138622 protein_coding	2,302
RTL1 ENSG00000254656 protein_coding	5,743
GAP43 ENSG00000172020 protein_coding	4,057
VCX ENSG00000182583 protein_coding	4,139
DNAH3 ENSG00000158486 protein_coding	2,127
NR5A1 ENSG00000136931 protein_coding	4,366
SLC7A14 ENSG0000013293 protein_coding	4,354
MAP1LC3C ENSG00000197769 protein_coding	2,904
MYBPC2 ENSG00000086967 protein_coding	3,584
BPIFB2 ENSG00000078898 protein_coding	4,488
GAL3ST2 ENSG00000154252 protein_coding	2,673
AKR1B15 ENSG00000227471 protein_coding	4,184
WISP1 ENSG00000104415 protein_coding	2,044
OR51A7 ENSG00000176895 protein_coding	4,448
FIGLA ENSG00000183733 protein_coding	3,154
TMEM249 ENSG00000261587 protein_coding	2,061
SH2D4B ENSG00000178217 protein_coding	2,503
FUT5 ENSG00000130383 protein_coding	2,966
AC010616.1 ENSG00000268041 protein_coding	2,019
FGF4 ENSG00000075388 protein_coding	5,737
TAAR8 ENSG00000146385 protein_coding	-2,401
SPATA31E1 ENSG00000177992 protein_coding	3,550
CLPS ENSG00000137392 protein_coding	5,000
PON1 ENSG00000005421 protein_coding	3,549
SEMA3E ENSG00000170381 protein_coding	3,607
GRP ENSG00000134443 protein_coding	-2,297
CACNG8 ENSG00000142408 protein_coding	2,623
HMHBB1 ENSG00000158497 protein_coding	3,136
SLC22A31 ENSG00000259803 protein_coding	3,103

UGT2B17 ENSG00000197888 protein_coding	-2,221
POSTN ENSG00000133110 protein_coding	2,303
LEFTY2 ENSG00000143768 protein_coding	2,818
OR10H1 ENSG00000186723 protein_coding	-2,187
IP6K3 ENSG00000161896 protein_coding	2,454
FAM71E2 ENSG00000180043 protein_coding	3,578
FOXL2NB ENSG00000206262 protein_coding	5,875
HIST1H4F ENSG00000274618 protein_coding	2,423

logCPM	P-value	FDR	Upregulated/Downregulated
2,365	2.336×10^{-259}	0,000	Downregulated
3,992	2.056×10^{-191}	0,000	Downregulated
4,030	9.096×10^{-190}	0,000	Downregulated
1,222	1.089×10^{-184}	0,000	Downregulated
7,141	3.734×10^{-180}	0,000	Downregulated
5,282	1.490×10^{-171}	0,000	Downregulated
2,558	5.625×10^{-163}	0,000	Downregulated
3,996	2.946×10^{-157}	0,000	Downregulated
0,268	2.883×10^{-151}	0,000	Downregulated
-0,073	6.576×10^{-147}	0,000	Downregulated
3,678	6.560×10^{-141}	0,000	Downregulated
5,378	3.512×10^{-139}	0,000	Downregulated
-0,411	4.182×10^{-139}	0,000	Downregulated
1,175	1.810×10^{-138}	0,000	Downregulated
2,720	5.406×10^{-136}	0,000	Downregulated
4,450	1.055×10^{-133}	0,000	Downregulated
2,058	6.320×10^{-133}	0,000	Downregulated
1,768	5.068×10^{-131}	0,000	Downregulated
2,067	6.510×10^{-131}	0,000	Downregulated
3,225	1.232×10^{-130}	0,000	Downregulated
1,018	7.778×10^{-129}	0,000	Downregulated
6,890	1.547×10^{-126}	0,000	Downregulated
5,273	4.132×10^{-121}	0,000	Downregulated
1,147	3.261×10^{-120}	0,000	Downregulated
2,387	3.576×10^{-118}	0,000	Downregulated
4,785	6.987×10^{-118}	0,000	Downregulated
2,435	1.755×10^{-112}	0,000	Downregulated
1,827	5.254×10^{-112}	0,000	Downregulated
7,380	4.166×10^{-111}	0,000	Downregulated
1,992	5.619×10^{-111}	0,000	Downregulated
0,720	1.008×10^{-110}	0,000	Downregulated
2,313	1.045×10^{-109}	0,000	Downregulated
2,519	3.583×10^{-108}	0,000	Downregulated
4,306	8.746×10^{-106}	0,000	Downregulated
0,766	1.311×10^{-105}	0,000	Downregulated
2,734	6.049×10^{-104}	0,000	Downregulated
8,978	3.608×10^{-101}	0,000	Downregulated
4,996	4.638×10^{-101}	0,000	Downregulated
3,224	5.268×10^{-101}	0,000	Downregulated
1,413	9.401×10^{-99}	0,000	Downregulated
1,537	1.722×10^{-97}	0,000	Downregulated
4,795	2.272×10^{-97}	0,000	Downregulated
0,605	4.837×10^{-97}	0,000	Downregulated
5,005	1.790×10^{-96}	0,000	Downregulated

-0,758	2.044×10^{-96}	0,000	Downregulated
0,587	6.852×10^{-96}	0,000	Downregulated
2,689	3.613×10^{-94}	0,000	Downregulated
2,324	3.658×10^{-94}	0,000	Downregulated
2,848	9.400×10^{-93}	0,000	Downregulated
4,799	4.398×10^{-92}	0,000	Downregulated
0,143	1.666×10^{-91}	0,000	Downregulated
4,036	2.353×10^{-91}	0,000	Downregulated
-0,883	4.016×10^{-91}	0,000	Downregulated
-0,447	2.943×10^{-90}	0,000	Downregulated
1,011	1.919×10^{-89}	0,000	Downregulated
-0,052	2.340×10^{-88}	0,000	Downregulated
-2,598	1.931×10^{-87}	0,000	Downregulated
4,609	5.171×10^{-87}	0,000	Downregulated
0,743	5.306×10^{-87}	0,000	Downregulated
4,135	3.621×10^{-86}	0,000	Downregulated
-1,382	1.345×10^{-85}	0,000	Downregulated
3,420	1.007×10^{-84}	0,000	Downregulated
7,168	1.924×10^{-84}	0,000	Downregulated
3,212	1.402×10^{-83}	0,000	Downregulated
6,473	4.398×10^{-82}	0,000	Downregulated
-1,860	5.505×10^{-82}	0,000	Downregulated
0,883	9.942×10^{-82}	0,000	Downregulated
1,112	3.794×10^{-81}	0,000	Downregulated
4,569	4.488×10^{-81}	0,000	Downregulated
4,451	1.333×10^{-80}	0,000	Downregulated
2,137	1.543×10^{-79}	0,000	Downregulated
3,578	1.686×10^{-79}	0,000	Downregulated
-0,178	2.882×10^{-79}	0,000	Downregulated
0,563	4.284×10^{-79}	0,000	Downregulated
5,559	4.525×10^{-79}	0,000	Downregulated
3,524	5.393×10^{-79}	0,000	Downregulated
2,094	1.845×10^{-77}	0,000	Downregulated
2,081	2.342×10^{-77}	0,000	Downregulated
-0,857	3.526×10^{-77}	0,000	Downregulated
3,246	4.905×10^{-77}	0,000	Downregulated
5,372	1.088×10^{-76}	0,000	Downregulated
1,332	2.739×10^{-76}	0,000	Downregulated
5,438	3.388×10^{-76}	0,000	Downregulated
0,930	4.047×10^{-76}	0,000	Downregulated
3,953	6.511×10^{-76}	0,000	Downregulated
3,461	2.665×10^{-75}	0,000	Downregulated
2,536	2.693×10^{-75}	0,000	Downregulated
-0,335	3.242×10^{-75}	0,000	Downregulated
-2,898	8.238×10^{-75}	0,000	Downregulated

0,377	1.944×10^{-74}	0,000	Downregulated
1,106	2.282×10^{-74}	0,000	Downregulated
2,075	3.445×10^{-74}	0,000	Downregulated
-0,007	3.455×10^{-74}	0,000	Downregulated
0,257	6.928×10^{-74}	0,000	Downregulated
3,108	7.175×10^{-74}	0,000	Downregulated
2,813	1.480×10^{-73}	0,000	Downregulated
0,017	1.669×10^{-73}	0,000	Downregulated
2,435	2.212×10^{-73}	0,000	Downregulated
4,543	6.234×10^{-73}	0,000	Downregulated
2,764	4.188×10^{-72}	0,000	Downregulated
3,354	5.942×10^{-72}	0,000	Downregulated
5,980	7.175×10^{-72}	0,000	Downregulated
-1,646	1.177×10^{-71}	0,000	Downregulated
-1,269	6.523×10^{-71}	0,000	Downregulated
3,313	7.487×10^{-71}	0,000	Downregulated
5,421	2.217×10^{-70}	0,000	Downregulated
8,643	1.013×10^{-69}	0,000	Downregulated
3,468	1.180×10^{-69}	0,000	Downregulated
2,777	1.801×10^{-69}	0,000	Downregulated
2,535	2.333×10^{-69}	0,000	Downregulated
2,282	2.882×10^{-69}	0,000	Downregulated
-4,283	5.236×10^{-69}	0,000	Downregulated
-0,288	1.312×10^{-68}	0,000	Downregulated
1,689	1.754×10^{-68}	0,000	Downregulated
2,633	3.310×10^{-68}	0,000	Downregulated
3,900	1.378×10^{-67}	0,000	Downregulated
4,135	1.976×10^{-67}	0,000	Downregulated
4,447	3.124×10^{-67}	0,000	Downregulated
5,983	4.768×10^{-67}	0,000	Downregulated
1,889	5.573×10^{-67}	0,000	Downregulated
1,695	5.789×10^{-67}	0,000	Downregulated
1,396	1.191×10^{-66}	0,000	Downregulated
5,083	1.842×10^{-66}	0,000	Downregulated
-1,367	2.305×10^{-66}	0,000	Downregulated
4,136	2.493×10^{-66}	0,000	Downregulated
1,360	4.409×10^{-66}	0,000	Downregulated
4,203	1.151×10^{-65}	0,000	Downregulated
4,966	1.290×10^{-65}	0,000	Downregulated
2,065	1.706×10^{-65}	0,000	Downregulated
3,997	2.484×10^{-65}	0,000	Downregulated
1,811	4.760×10^{-65}	0,000	Downregulated
1,270	6.225×10^{-65}	0,000	Downregulated
-0,785	1.138×10^{-64}	0,000	Downregulated
3,617	2.102×10^{-64}	0,000	Downregulated

1,193	3.438×10^{-64}	0,000	Downregulated
2,731	4.006×10^{-64}	0,000	Downregulated
0,131	5.696×10^{-64}	0,000	Downregulated
4,501	6.500×10^{-64}	0,000	Downregulated
0,910	2.605×10^{-63}	0,000	Downregulated
-0,624	4.669×10^{-63}	0,000	Downregulated
3,207	9.994×10^{-63}	0,000	Downregulated
6,220	2.934×10^{-62}	0,000	Downregulated
3,464	4.672×10^{-62}	0,000	Downregulated
0,086	5.673×10^{-62}	0,000	Downregulated
1,760	9.943×10^{-62}	0,000	Downregulated
1,203	1.123×10^{-61}	0,000	Downregulated
0,923	1.458×10^{-61}	0,000	Downregulated
2,345	2.702×10^{-61}	0,000	Downregulated
1,731	5.809×10^{-61}	0,000	Downregulated
7,229	8.038×10^{-61}	0,000	Downregulated
0,170	1.224×10^{-60}	0,000	Downregulated
-0,334	1.387×10^{-60}	0,000	Downregulated
-0,755	1.551×10^{-60}	0,000	Downregulated
2,988	1.915×10^{-60}	0,000	Downregulated
0,121	2.574×10^{-60}	0,000	Downregulated
3,186	2.902×10^{-60}	0,000	Downregulated
2,154	3.198×10^{-60}	0,000	Downregulated
4,607	4.849×10^{-60}	0,000	Downregulated
4,307	6.108×10^{-60}	0,000	Downregulated
3,321	9.611×10^{-60}	0,000	Downregulated
6,179	1.459×10^{-59}	0,000	Downregulated
-0,464	1.608×10^{-59}	0,000	Downregulated
2,424	3.118×10^{-59}	0,000	Downregulated
3,180	5.677×10^{-59}	0,000	Downregulated
0,353	6.024×10^{-59}	0,000	Downregulated
4,493	8.896×10^{-59}	0,000	Downregulated
0,980	2.342×10^{-58}	0,000	Downregulated
0,600	2.657×10^{-58}	0,000	Downregulated
-2,492	3.195×10^{-58}	0,000	Downregulated
-1,179	3.996×10^{-58}	0,000	Downregulated
1,912	7.675×10^{-58}	0,000	Downregulated
3,676	8.817×10^{-58}	0,000	Downregulated
3,532	8.872×10^{-58}	0,000	Downregulated
1,301	1.400×10^{-57}	0,000	Downregulated
6,724	1.488×10^{-57}	0,000	Downregulated
1,241	2.228×10^{-57}	0,000	Downregulated
5,929	2.754×10^{-57}	0,000	Downregulated
1,558	5.205×10^{-57}	0,000	Downregulated
1,884	5.393×10^{-57}	0,000	Downregulated

2,460	6.451×10^{-57}	0,000	Downregulated
2,163	2.040×10^{-56}	0,000	Downregulated
1,210	2.069×10^{-56}	0,000	Downregulated
4,293	4.438×10^{-56}	0,000	Downregulated
-0,199	4.868×10^{-56}	0,000	Downregulated
1,788	5.510×10^{-56}	0,000	Downregulated
-0,401	6.269×10^{-56}	0,000	Downregulated
3,416	7.427×10^{-56}	0,000	Downregulated
-1,480	7.882×10^{-56}	0,000	Downregulated
-0,404	1.327×10^{-55}	0,000	Downregulated
4,745	1.444×10^{-55}	0,000	Downregulated
3,644	1.675×10^{-55}	0,000	Downregulated
1,623	2.387×10^{-55}	0,000	Downregulated
5,004	4.623×10^{-55}	0,000	Downregulated
0,700	4.962×10^{-55}	0,000	Downregulated
0,468	8.435×10^{-55}	0,000	Downregulated
0,938	1.558×10^{-54}	0,000	Downregulated
2,502	3.860×10^{-54}	0,000	Downregulated
0,976	4.356×10^{-54}	0,000	Downregulated
4,778	5.134×10^{-54}	0,000	Downregulated
6,393	5.648×10^{-54}	0,000	Downregulated
0,199	8.480×10^{-54}	0,000	Downregulated
-1,968	1.060×10^{-53}	0,000	Downregulated
2,427	1.567×10^{-53}	0,000	Downregulated
3,293	2.072×10^{-53}	0,000	Downregulated
-1,821	2.860×10^{-53}	0,000	Downregulated
2,295	4.689×10^{-53}	0,000	Downregulated
1,686	7.310×10^{-53}	0,000	Downregulated
5,302	8.400×10^{-53}	0,000	Downregulated
5,668	9.550×10^{-53}	0,000	Downregulated
4,883	1.168×10^{-52}	0,000	Downregulated
1,876	1.351×10^{-52}	0,000	Downregulated
8,138	1.660×10^{-52}	0,000	Upregulated
0,458	2.232×10^{-52}	0,000	Downregulated
3,130	4.020×10^{-52}	0,000	Downregulated
0,723	4.908×10^{-52}	0,000	Downregulated
1,972	5.176×10^{-52}	0,000	Downregulated
2,312	5.658×10^{-52}	0,000	Downregulated
2,277	1.003×10^{-51}	0,000	Downregulated
-2,232	3.359×10^{-51}	0,000	Downregulated
-0,712	6.987×10^{-51}	0,000	Downregulated
-1,894	7.122×10^{-51}	0,000	Downregulated
1,284	8.368×10^{-51}	0,000	Downregulated
-0,934	8.896×10^{-51}	0,000	Downregulated
3,189	1.169×10^{-50}	0,000	Downregulated

2,653	1.824×10^{-50}	0,000	Downregulated
-2,951	2.746×10^{-50}	0,000	Downregulated
8,538	2.748×10^{-50}	0,000	Upregulated
4,011	2.847×10^{-50}	0,000	Downregulated
2,210	2.981×10^{-50}	0,000	Downregulated
1,745	1.030×10^{-49}	0,000	Downregulated
-0,609	1.054×10^{-49}	0,000	Downregulated
-1,090	1.364×10^{-49}	0,000	Downregulated
5,838	1.467×10^{-49}	0,000	Downregulated
2,237	2.408×10^{-49}	0,000	Downregulated
5,469	2.965×10^{-49}	0,000	Downregulated
-1,950	2.986×10^{-49}	0,000	Downregulated
2,573	3.441×10^{-49}	0,000	Downregulated
2,631	5.245×10^{-49}	0,000	Downregulated
2,249	6.286×10^{-49}	0,000	Downregulated
5,661	8.932×10^{-49}	0,000	Downregulated
1,667	9.543×10^{-49}	0,000	Downregulated
7,609	1.101×10^{-48}	0,000	Upregulated
0,776	1.123×10^{-48}	0,000	Downregulated
1,732	1.357×10^{-48}	0,000	Downregulated
2,901	1.404×10^{-48}	0,000	Downregulated
-4,117	4.906×10^{-48}	0,000	Downregulated
4,482	1.155×10^{-47}	0,000	Downregulated
3,368	1.305×10^{-47}	0,000	Downregulated
3,760	2.128×10^{-47}	0,000	Downregulated
1,947	2.143×10^{-47}	0,000	Downregulated
-2,267	2.425×10^{-47}	0,000	Downregulated
0,047	2.944×10^{-47}	0,000	Downregulated
1,274	6.141×10^{-47}	0,000	Downregulated
6,378	7.285×10^{-47}	0,000	Downregulated
2,525	7.626×10^{-47}	0,000	Downregulated
5,285	9.820×10^{-47}	0,000	Downregulated
3,104	1.464×10^{-46}	0,000	Downregulated
2,025	2.055×10^{-46}	0,000	Downregulated
1,248	2.345×10^{-46}	0,000	Downregulated
1,996	3.567×10^{-46}	0,000	Downregulated
-0,323	4.468×10^{-46}	0,000	Downregulated
4,149	4.781×10^{-46}	0,000	Downregulated
5,496	6.523×10^{-46}	0,000	Downregulated
-3,266	6.755×10^{-46}	0,000	Downregulated
2,479	7.028×10^{-46}	0,000	Downregulated
8,534	7.986×10^{-46}	0,000	Downregulated
5,729	1.110×10^{-45}	0,000	Downregulated
3,035	2.145×10^{-45}	0,000	Downregulated
9,554	2.225×10^{-45}	0,000	Upregulated

1,153	2.584×10^{-45}	0,000	Downregulated
0,280	3.141×10^{-45}	0,000	Downregulated
3,134	3.405×10^{-45}	0,000	Downregulated
4,555	4.148×10^{-45}	0,000	Downregulated
2,010	5.172×10^{-45}	0,000	Downregulated
6,719	5.401×10^{-45}	0,000	Upregulated
-3,102	7.294×10^{-45}	0,000	Downregulated
5,914	8.592×10^{-45}	0,000	Downregulated
8,948	1.086×10^{-44}	0,000	Upregulated
5,225	1.420×10^{-44}	0,000	Downregulated
5,209	1.883×10^{-44}	0,000	Downregulated
-4,111	2.966×10^{-44}	0,000	Downregulated
2,541	4.087×10^{-44}	0,000	Downregulated
2,349	4.197×10^{-44}	0,000	Downregulated
-1,743	4.304×10^{-44}	0,000	Downregulated
5,169	5.206×10^{-44}	0,000	Downregulated
5,101	6.114×10^{-44}	0,000	Downregulated
3,831	9.383×10^{-44}	0,000	Downregulated
2,330	1.030×10^{-43}	0,000	Downregulated
-1,273	1.253×10^{-43}	0,000	Downregulated
3,369	1.336×10^{-43}	0,000	Downregulated
0,584	1.636×10^{-43}	0,000	Downregulated
4,526	1.937×10^{-43}	0,000	Downregulated
4,486	2.630×10^{-43}	0,000	Downregulated
2,833	3.529×10^{-43}	0,000	Downregulated
7,359	3.750×10^{-43}	0,000	Downregulated
5,952	7.994×10^{-43}	0,000	Upregulated
5,879	8.454×10^{-43}	0,000	Upregulated
-3,885	8.991×10^{-43}	0,000	Downregulated
-3,297	9.631×10^{-43}	0,000	Downregulated
0,480	9.967×10^{-43}	0,000	Downregulated
0,245	1.030×10^{-42}	0,000	Downregulated
0,248	1.170×10^{-42}	0,000	Downregulated
0,776	1.222×10^{-42}	0,000	Downregulated
0,938	1.328×10^{-42}	0,000	Downregulated
1,900	1.414×10^{-42}	0,000	Downregulated
3,209	1.715×10^{-42}	0,000	Downregulated
0,367	1.984×10^{-42}	0,000	Downregulated
1,580	4.332×10^{-42}	0,000	Downregulated
5,710	4.515×10^{-42}	0,000	Upregulated
-2,670	4.704×10^{-42}	0,000	Downregulated
5,842	6.959×10^{-42}	0,000	Downregulated
2,585	7.598×10^{-42}	0,000	Downregulated
3,188	1.193×10^{-41}	0,000	Downregulated
3,699	1.474×10^{-41}	0,000	Downregulated

1,287	2.256×10^{-41}	0,000	Downregulated
2,496	3.051×10^{-41}	0,000	Downregulated
5,044	5.062×10^{-41}	0,000	Downregulated
-1,862	5.687×10^{-41}	0,000	Downregulated
-1,229	9.904×10^{-41}	0,000	Downregulated
2,281	1.030×10^{-40}	0,000	Downregulated
3,738	1.215×10^{-40}	0,000	Downregulated
8,330	1.359×10^{-40}	0,000	Downregulated
5,819	1.386×10^{-40}	0,000	Upregulated
-2,550	1.601×10^{-40}	0,000	Downregulated
4,630	1.653×10^{-40}	0,000	Downregulated
9,165	1.762×10^{-40}	0,000	Upregulated
1,010	2.020×10^{-40}	0,000	Downregulated
4,047	2.304×10^{-40}	0,000	Downregulated
4,733	2.822×10^{-40}	0,000	Upregulated
0,818	2.995×10^{-40}	0,000	Downregulated
2,810	3.554×10^{-40}	0,000	Downregulated
6,378	8.672×10^{-40}	0,000	Upregulated
0,877	8.733×10^{-40}	0,000	Downregulated
0,473	9.276×10^{-40}	0,000	Downregulated
3,965	1.074×10^{-39}	0,000	Downregulated
5,814	1.082×10^{-39}	0,000	Upregulated
-1,125	1.230×10^{-39}	0,000	Downregulated
2,507	1.312×10^{-39}	0,000	Downregulated
2,451	1.814×10^{-39}	0,000	Downregulated
4,357	1.823×10^{-39}	0,000	Downregulated
5,194	2.014×10^{-39}	0,000	Upregulated
4,506	2.230×10^{-39}	0,000	Downregulated
3,338	2.287×10^{-39}	0,000	Downregulated
-2,396	2.342×10^{-39}	0,000	Downregulated
5,148	2.355×10^{-39}	0,000	Upregulated
7,950	4.936×10^{-39}	0,000	Downregulated
0,774	7.742×10^{-39}	0,000	Downregulated
5,242	1.019×10^{-38}	0,000	Downregulated
4,989	1.412×10^{-38}	0,000	Downregulated
5,458	1.421×10^{-38}	0,000	Downregulated
-2,666	1.596×10^{-38}	0,000	Downregulated
0,327	1.719×10^{-38}	0,000	Downregulated
3,405	1.799×10^{-38}	0,000	Downregulated
6,123	1.875×10^{-38}	0,000	Upregulated
2,764	1.930×10^{-38}	0,000	Downregulated
7,485	1.943×10^{-38}	0,000	Upregulated
5,996	2.748×10^{-38}	0,000	Upregulated
1,123	3.080×10^{-38}	0,000	Downregulated
0,406	3.183×10^{-38}	0,000	Downregulated

6,183	3.287×10^{-38}	0,000	Downregulated
3,781	3.424×10^{-38}	0,000	Downregulated
4,344	4.984×10^{-38}	0,000	Downregulated
0,646	4.987×10^{-38}	0,000	Downregulated
2,323	5.371×10^{-38}	0,000	Downregulated
5,959	5.699×10^{-38}	0,000	Upregulated
-1,990	7.851×10^{-38}	0,000	Downregulated
1,699	9.183×10^{-38}	0,000	Downregulated
5,304	1.214×10^{-37}	0,000	Upregulated
-0,298	1.221×10^{-37}	0,000	Downregulated
2,483	1.227×10^{-37}	0,000	Downregulated
3,559	1.248×10^{-37}	0,000	Downregulated
5,914	1.345×10^{-37}	0,000	Upregulated
6,081	1.355×10^{-37}	0,000	Upregulated
6,323	1.539×10^{-37}	0,000	Downregulated
2,169	1.702×10^{-37}	0,000	Downregulated
-2,525	1.772×10^{-37}	0,000	Downregulated
-2,667	2.020×10^{-37}	0,000	Downregulated
4,283	2.330×10^{-37}	0,000	Downregulated
4,003	2.851×10^{-37}	0,000	Downregulated
3,295	3.032×10^{-37}	0,000	Downregulated
5,136	3.148×10^{-37}	0,000	Upregulated
-1,292	3.179×10^{-37}	0,000	Downregulated
3,087	3.423×10^{-37}	0,000	Downregulated
-0,457	4.253×10^{-37}	0,000	Downregulated
0,980	4.365×10^{-37}	0,000	Downregulated
4,487	4.935×10^{-37}	0,000	Downregulated
2,980	5.308×10^{-37}	0,000	Downregulated
1,444	5.645×10^{-37}	0,000	Downregulated
-1,104	6.199×10^{-37}	0,000	Downregulated
1,289	6.505×10^{-37}	0,000	Downregulated
1,738	6.645×10^{-37}	0,000	Downregulated
3,906	8.241×10^{-37}	0,000	Downregulated
6,009	8.770×10^{-37}	0,000	Upregulated
2,639	9.096×10^{-37}	0,000	Downregulated
3,187	9.796×10^{-37}	0,000	Downregulated
5,642	1.084×10^{-36}	0,000	Downregulated
-2,491	1.111×10^{-36}	0,000	Downregulated
4,891	1.156×10^{-36}	0,000	Upregulated
-0,392	1.327×10^{-36}	0,000	Downregulated
2,781	1.440×10^{-36}	0,000	Downregulated
0,473	2.065×10^{-36}	0,000	Downregulated
0,829	2.311×10^{-36}	0,000	Downregulated
4,653	2.465×10^{-36}	0,000	Downregulated
4,529	2.585×10^{-36}	0,000	Upregulated

1,731	3.170×10^{-36}	0,000	Downregulated
5,139	3.326×10^{-36}	0,000	Upregulated
4,248	3.721×10^{-36}	0,000	Downregulated
2,332	4.070×10^{-36}	0,000	Downregulated
6,342	4.985×10^{-36}	0,000	Downregulated
7,217	6.287×10^{-36}	0,000	Upregulated
3,456	6.888×10^{-36}	0,000	Downregulated
3,244	8.697×10^{-36}	0,000	Downregulated
3,950	8.784×10^{-36}	0,000	Downregulated
0,656	8.794×10^{-36}	0,000	Downregulated
3,575	9.501×10^{-36}	0,000	Downregulated
-1,347	9.510×10^{-36}	0,000	Downregulated
7,064	9.810×10^{-36}	0,000	Upregulated
-1,064	1.028×10^{-35}	0,000	Downregulated
5,352	1.403×10^{-35}	0,000	Upregulated
0,859	1.647×10^{-35}	0,000	Downregulated
1,235	1.797×10^{-35}	0,000	Downregulated
5,370	2.185×10^{-35}	0,000	Upregulated
4,842	2.455×10^{-35}	0,000	Upregulated
-3,100	2.729×10^{-35}	0,000	Downregulated
-0,102	4.432×10^{-35}	0,000	Downregulated
3,124	4.763×10^{-35}	0,000	Downregulated
5,577	4.836×10^{-35}	0,000	Upregulated
6,679	5.419×10^{-35}	0,000	Downregulated
6,286	7.071×10^{-35}	0,000	Downregulated
3,946	7.845×10^{-35}	0,000	Downregulated
6,505	8.454×10^{-35}	0,000	Upregulated
0,887	9.340×10^{-35}	0,000	Downregulated
2,149	9.400×10^{-35}	0,000	Downregulated
2,390	1.060×10^{-34}	0,000	Downregulated
1,406	1.279×10^{-34}	0,000	Downregulated
3,125	1.490×10^{-34}	0,000	Downregulated
6,580	1.533×10^{-34}	0,000	Upregulated
-3,159	1.717×10^{-34}	0,000	Downregulated
5,011	1.976×10^{-34}	0,000	Upregulated
0,764	2.483×10^{-34}	0,000	Downregulated
6,260	2.537×10^{-34}	0,000	Downregulated
2,957	2.794×10^{-34}	0,000	Downregulated
5,580	3.148×10^{-34}	0,000	Upregulated
-0,400	3.850×10^{-34}	0,000	Downregulated
3,487	4.275×10^{-34}	0,000	Downregulated
7,721	4.407×10^{-34}	0,000	Downregulated
3,970	4.613×10^{-34}	0,000	Downregulated
3,712	7.136×10^{-34}	0,000	Downregulated
6,077	7.555×10^{-34}	0,000	Upregulated

4,738	8.214×10^{-34}	0,000	Upregulated
5,219	8.331×10^{-34}	0,000	Downregulated
-0,451	9.695×10^{-34}	0,000	Downregulated
6,446	1.326×10^{-33}	0,000	Upregulated
6,261	1.424×10^{-33}	0,000	Downregulated
-2,835	1.491×10^{-33}	0,000	Downregulated
4,678	1.560×10^{-33}	0,000	Downregulated
1,393	1.743×10^{-33}	0,000	Downregulated
1,534	1.882×10^{-33}	0,000	Downregulated
4,832	2.059×10^{-33}	0,000	Downregulated
1,479	2.357×10^{-33}	0,000	Downregulated
3,701	2.796×10^{-33}	0,000	Downregulated
-0,486	2.907×10^{-33}	0,000	Downregulated
4,967	3.024×10^{-33}	0,000	Upregulated
4,086	3.529×10^{-33}	0,000	Downregulated
3,552	3.577×10^{-33}	0,000	Downregulated
5,185	3.909×10^{-33}	0,000	Upregulated
1,299	3.971×10^{-33}	0,000	Downregulated
5,214	4.964×10^{-33}	0,000	Upregulated
3,372	5.221×10^{-33}	0,000	Downregulated
5,375	6.796×10^{-33}	0,000	Downregulated
4,179	6.970×10^{-33}	0,000	Upregulated
6,498	7.294×10^{-33}	0,000	Upregulated
-2,219	7.477×10^{-33}	0,000	Downregulated
4,281	8.168×10^{-33}	0,000	Downregulated
4,332	8.336×10^{-33}	0,000	Downregulated
5,779	8.480×10^{-33}	0,000	Downregulated
-0,175	8.990×10^{-33}	0,000	Downregulated
3,768	9.339×10^{-33}	0,000	Downregulated
5,325	9.347×10^{-33}	0,000	Downregulated
-1,795	9.479×10^{-33}	0,000	Downregulated
-0,555	9.900×10^{-33}	0,000	Downregulated
4,391	1.031×10^{-32}	0,000	Downregulated
2,521	1.067×10^{-32}	0,000	Downregulated
-2,967	1.119×10^{-32}	0,000	Downregulated
4,376	1.134×10^{-32}	0,000	Downregulated
-1,149	1.163×10^{-32}	0,000	Downregulated
-2,445	1.188×10^{-32}	0,000	Downregulated
4,289	1.297×10^{-32}	0,000	Downregulated
4,498	1.309×10^{-32}	0,000	Downregulated
0,676	1.482×10^{-32}	0,000	Downregulated
0,030	1.492×10^{-32}	0,000	Downregulated
3,001	1.493×10^{-32}	0,000	Downregulated
1,523	1.572×10^{-32}	0,000	Downregulated
6,812	1.634×10^{-32}	0,000	Downregulated

2,214	1.660×10^{-32}	0,000	Downregulated
6,487	1.863×10^{-32}	0,000	Downregulated
-1,103	1.891×10^{-32}	0,000	Downregulated
5,439	2.014×10^{-32}	0,000	Upregulated
5,234	2.056×10^{-32}	0,000	Upregulated
-4,353	2.119×10^{-32}	0,000	Downregulated
2,929	2.382×10^{-32}	0,000	Downregulated
3,963	2.716×10^{-32}	0,000	Downregulated
4,023	3.163×10^{-32}	0,000	Downregulated
8,854	3.980×10^{-32}	0,000	Downregulated
4,501	4.118×10^{-32}	0,000	Downregulated
-2,651	4.216×10^{-32}	0,000	Downregulated
4,880	4.394×10^{-32}	0,000	Upregulated
7,414	4.787×10^{-32}	0,000	Upregulated
-3,198	5.013×10^{-32}	0,000	Downregulated
3,502	5.227×10^{-32}	0,000	Downregulated
-2,021	6.188×10^{-32}	0,000	Downregulated
4,298	6.253×10^{-32}	0,000	Downregulated
2,692	6.974×10^{-32}	0,000	Downregulated
-1,018	8.365×10^{-32}	0,000	Downregulated
-1,504	9.240×10^{-32}	0,000	Downregulated
4,524	1.026×10^{-31}	0,000	Downregulated
2,000	1.265×10^{-31}	0,000	Downregulated
-1,642	1.289×10^{-31}	0,000	Downregulated
0,159	1.452×10^{-31}	0,000	Downregulated
3,717	1.656×10^{-31}	0,000	Downregulated
2,163	1.851×10^{-31}	0,000	Downregulated
5,435	2.070×10^{-31}	0,000	Upregulated
1,957	2.071×10^{-31}	0,000	Downregulated
3,144	2.321×10^{-31}	0,000	Downregulated
3,182	2.518×10^{-31}	0,000	Downregulated
4,544	2.615×10^{-31}	0,000	Downregulated
5,747	2.987×10^{-31}	0,000	Downregulated
-0,118	3.001×10^{-31}	0,000	Downregulated
1,882	3.093×10^{-31}	0,000	Downregulated
4,724	3.362×10^{-31}	0,000	Downregulated
4,851	4.250×10^{-31}	0,000	Upregulated
5,643	4.542×10^{-31}	0,000	Upregulated
0,822	4.826×10^{-31}	0,000	Downregulated
8,425	4.866×10^{-31}	0,000	Downregulated
7,815	5.491×10^{-31}	0,000	Downregulated
6,105	6.095×10^{-31}	0,000	Upregulated
0,569	6.346×10^{-31}	0,000	Downregulated
-1,036	6.475×10^{-31}	0,000	Downregulated
6,032	6.598×10^{-31}	0,000	Downregulated

6,299	7.902×10^{-31}	0,000	Upregulated
6,358	8.849×10^{-31}	0,000	Downregulated
6,134	9.232×10^{-31}	0,000	Downregulated
6,086	9.271×10^{-31}	0,000	Downregulated
2,930	9.624×10^{-31}	0,000	Downregulated
1,881	1.095×10^{-30}	0,000	Downregulated
-3,445	1.162×10^{-30}	0,000	Downregulated
1,342	1.204×10^{-30}	0,000	Downregulated
7,935	1.286×10^{-30}	0,000	Upregulated
1,359	1.324×10^{-30}	0,000	Downregulated
6,177	2.423×10^{-30}	0,000	Upregulated
2,984	2.998×10^{-30}	0,000	Downregulated
6,831	3.482×10^{-30}	0,000	Upregulated
5,133	3.554×10^{-30}	0,000	Upregulated
5,073	3.999×10^{-30}	0,000	Downregulated
6,075	4.194×10^{-30}	0,000	Downregulated
2,555	4.237×10^{-30}	0,000	Downregulated
-0,032	4.511×10^{-30}	0,000	Downregulated
6,446	4.557×10^{-30}	0,000	Upregulated
3,369	4.818×10^{-30}	0,000	Downregulated
5,631	4.875×10^{-30}	0,000	Downregulated
3,892	4.963×10^{-30}	0,000	Upregulated
3,521	5.191×10^{-30}	0,000	Downregulated
1,683	5.269×10^{-30}	0,000	Downregulated
1,885	5.835×10^{-30}	0,000	Downregulated
1,823	6.145×10^{-30}	0,000	Downregulated
-0,627	6.596×10^{-30}	0,000	Downregulated
7,228	8.057×10^{-30}	0,000	Upregulated
-1,520	1.034×10^{-29}	0,000	Downregulated
6,834	1.159×10^{-29}	0,000	Upregulated
1,127	1.439×10^{-29}	0,000	Downregulated
5,971	1.511×10^{-29}	0,000	Upregulated
-2,560	2.619×10^{-29}	0,000	Downregulated
2,305	3.290×10^{-29}	0,000	Downregulated
4,768	3.350×10^{-29}	0,000	Upregulated
5,443	3.365×10^{-29}	0,000	Downregulated
11,106	3.503×10^{-29}	0,000	Downregulated
-3,996	3.718×10^{-29}	0,000	Downregulated
2,600	3.773×10^{-29}	0,000	Downregulated
2,367	4.742×10^{-29}	0,000	Downregulated
7,394	6.430×10^{-29}	0,000	Upregulated
5,233	6.777×10^{-29}	0,000	Upregulated
6,165	6.778×10^{-29}	0,000	Upregulated
1,087	7.107×10^{-29}	0,000	Downregulated
-3,872	7.118×10^{-29}	0,000	Downregulated

5,633	7.505×10^{-29}	0,000	Upregulated
6,965	8.576×10^{-29}	0,000	Upregulated
3,237	8.894×10^{-29}	0,000	Downregulated
3,317	9.996×10^{-29}	0,000	Downregulated
5,277	1.001×10^{-28}	0,000	Upregulated
10,333	1.029×10^{-28}	0,000	Upregulated
1,002	1.104×10^{-28}	0,000	Downregulated
4,826	1.112×10^{-28}	0,000	Downregulated
6,345	1.281×10^{-28}	0,000	Upregulated
4,340	1.330×10^{-28}	0,000	Upregulated
5,131	1.349×10^{-28}	0,000	Upregulated
5,498	1.426×10^{-28}	0,000	Upregulated
6,700	1.438×10^{-28}	0,000	Downregulated
4,893	1.524×10^{-28}	0,000	Downregulated
-1,515	1.603×10^{-28}	0,000	Downregulated
4,449	1.690×10^{-28}	0,000	Upregulated
1,950	1.716×10^{-28}	0,000	Downregulated
4,919	1.727×10^{-28}	0,000	Downregulated
7,280	2.183×10^{-28}	0,000	Upregulated
1,128	2.372×10^{-28}	0,000	Downregulated
0,365	2.466×10^{-28}	0,000	Downregulated
6,417	2.498×10^{-28}	0,000	Upregulated
4,827	3.373×10^{-28}	0,000	Downregulated
5,751	3.387×10^{-28}	0,000	Downregulated
4,768	3.404×10^{-28}	0,000	Downregulated
1,480	3.922×10^{-28}	0,000	Downregulated
0,818	4.465×10^{-28}	0,000	Downregulated
7,513	4.577×10^{-28}	0,000	Upregulated
6,510	4.755×10^{-28}	0,000	Upregulated
4,886	6.368×10^{-28}	0,000	Upregulated
3,329	6.808×10^{-28}	0,000	Upregulated
4,963	7.547×10^{-28}	0,000	Upregulated
2,775	8.702×10^{-28}	0,000	Downregulated
5,202	9.310×10^{-28}	0,000	Upregulated
5,835	9.808×10^{-28}	0,000	Upregulated
5,083	1.095×10^{-27}	0,000	Upregulated
2,627	1.136×10^{-27}	0,000	Downregulated
2,710	1.165×10^{-27}	0,000	Downregulated
3,107	1.361×10^{-27}	0,000	Downregulated
6,515	1.443×10^{-27}	0,000	Downregulated
2,293	1.537×10^{-27}	0,000	Downregulated
0,226	1.711×10^{-27}	0,000	Downregulated
1,147	1.765×10^{-27}	0,000	Downregulated
4,084	2.040×10^{-27}	0,000	Downregulated
2,779	2.062×10^{-27}	0,000	Downregulated

-1,760	2.192×10^{-27}	0,000	Downregulated
4,756	2.527×10^{-27}	0,000	Upregulated
-3,133	2.631×10^{-27}	0,000	Downregulated
2,846	2.787×10^{-27}	0,000	Downregulated
2,537	2.917×10^{-27}	0,000	Downregulated
-3,098	3.541×10^{-27}	0,000	Downregulated
2,144	3.549×10^{-27}	0,000	Downregulated
4,831	3.857×10^{-27}	0,000	Downregulated
2,167	4.061×10^{-27}	0,000	Downregulated
5,126	4.475×10^{-27}	0,000	Downregulated
5,610	4.561×10^{-27}	0,000	Downregulated
0,456	4.568×10^{-27}	0,000	Downregulated
6,329	4.860×10^{-27}	0,000	Upregulated
-2,807	4.899×10^{-27}	0,000	Downregulated
4,369	5.092×10^{-27}	0,000	Downregulated
5,152	5.331×10^{-27}	0,000	Downregulated
1,195	5.715×10^{-27}	0,000	Downregulated
-3,294	6.015×10^{-27}	0,000	Downregulated
6,223	6.148×10^{-27}	0,000	Upregulated
4,095	6.210×10^{-27}	0,000	Downregulated
1,280	6.725×10^{-27}	0,000	Downregulated
2,614	6.837×10^{-27}	0,000	Downregulated
11,311	7.674×10^{-27}	0,000	Downregulated
4,045	7.706×10^{-27}	0,000	Upregulated
4,688	7.755×10^{-27}	0,000	Upregulated
3,459	8.884×10^{-27}	0,000	Downregulated
1,678	1.027×10^{-26}	0,000	Downregulated
0,043	1.042×10^{-26}	0,000	Downregulated
6,195	1.191×10^{-26}	0,000	Downregulated
4,216	1.304×10^{-26}	0,000	Upregulated
5,777	1.501×10^{-26}	0,000	Upregulated
5,237	1.688×10^{-26}	0,000	Upregulated
2,537	1.699×10^{-26}	0,000	Downregulated
2,089	1.769×10^{-26}	0,000	Downregulated
4,526	1.974×10^{-26}	0,000	Upregulated
4,011	1.994×10^{-26}	0,000	Upregulated
6,858	2.175×10^{-26}	0,000	Upregulated
3,104	2.228×10^{-26}	0,000	Downregulated
3,994	2.234×10^{-26}	0,000	Downregulated
-0,265	2.676×10^{-26}	0,000	Downregulated
6,509	2.790×10^{-26}	0,000	Upregulated
2,983	2.819×10^{-26}	0,000	Upregulated
-1,840	2.838×10^{-26}	0,000	Downregulated
-3,658	3.136×10^{-26}	0,000	Downregulated
2,674	3.154×10^{-26}	0,000	Downregulated

5,361	3.712×10^{-26}	0,000	Upregulated
6,227	3.881×10^{-26}	0,000	Upregulated
4,463	4.084×10^{-26}	0,000	Upregulated
6,694	4.153×10^{-26}	0,000	Downregulated
0,256	4.422×10^{-26}	0,000	Downregulated
5,593	4.550×10^{-26}	0,000	Upregulated
2,154	4.641×10^{-26}	0,000	Downregulated
-0,062	4.666×10^{-26}	0,000	Downregulated
2,279	4.713×10^{-26}	0,000	Downregulated
4,271	4.805×10^{-26}	0,000	Upregulated
2,100	5.632×10^{-26}	0,000	Downregulated
1,797	6.009×10^{-26}	0,000	Downregulated
3,034	6.516×10^{-26}	0,000	Downregulated
5,016	7.143×10^{-26}	0,000	Upregulated
-2,850	7.292×10^{-26}	0,000	Downregulated
4,726	7.520×10^{-26}	0,000	Downregulated
3,651	7.712×10^{-26}	0,000	Upregulated
6,894	9.374×10^{-26}	0,000	Downregulated
5,547	9.425×10^{-26}	0,000	Upregulated
6,220	1.017×10^{-25}	0,000	Downregulated
6,200	1.045×10^{-25}	0,000	Upregulated
8,586	1.112×10^{-25}	0,000	Upregulated
5,423	1.158×10^{-25}	0,000	Downregulated
-0,415	1.170×10^{-25}	0,000	Downregulated
3,538	1.219×10^{-25}	0,000	Downregulated
0,709	1.493×10^{-25}	0,000	Downregulated
6,391	1.555×10^{-25}	0,000	Upregulated
-1,425	1.804×10^{-25}	0,000	Downregulated
4,584	1.814×10^{-25}	0,000	Upregulated
4,707	1.823×10^{-25}	0,000	Upregulated
6,420	1.861×10^{-25}	0,000	Upregulated
5,122	1.880×10^{-25}	0,000	Downregulated
7,040	1.922×10^{-25}	0,000	Upregulated
3,844	1.933×10^{-25}	0,000	Upregulated
8,386	2.024×10^{-25}	0,000	Upregulated
3,766	2.201×10^{-25}	0,000	Upregulated
2,992	2.322×10^{-25}	0,000	Downregulated
4,865	2.411×10^{-25}	0,000	Downregulated
2,588	2.716×10^{-25}	0,000	Downregulated
2,197	2.729×10^{-25}	0,000	Downregulated
5,725	2.746×10^{-25}	0,000	Upregulated
2,160	2.805×10^{-25}	0,000	Downregulated
3,594	3.208×10^{-25}	0,000	Downregulated
5,846	3.272×10^{-25}	0,000	Upregulated
1,529	3.309×10^{-25}	0,000	Downregulated

6,026	3.310×10^{-25}	0,000	Upregulated
1,507	3.431×10^{-25}	0,000	Downregulated
4,141	3.531×10^{-25}	0,000	Downregulated
5,656	3.907×10^{-25}	0,000	Downregulated
12,265	3.957×10^{-25}	0,000	Downregulated
3,857	4.588×10^{-25}	0,000	Downregulated
3,265	5.072×10^{-25}	0,000	Upregulated
4,596	5.744×10^{-25}	0,000	Upregulated
3,073	6.220×10^{-25}	0,000	Downregulated
1,779	6.372×10^{-25}	0,000	Downregulated
3,417	7.862×10^{-25}	0,000	Downregulated
2,765	8.887×10^{-25}	0,000	Downregulated
1,331	9.058×10^{-25}	0,000	Downregulated
1,727	9.482×10^{-25}	0,000	Downregulated
5,449	9.611×10^{-25}	0,000	Upregulated
0,350	1.056×10^{-24}	0,000	Downregulated
-0,094	1.066×10^{-24}	0,000	Downregulated
4,769	1.082×10^{-24}	0,000	Downregulated
3,699	1.117×10^{-24}	0,000	Downregulated
13,373	1.121×10^{-24}	0,000	Downregulated
3,584	1.138×10^{-24}	0,000	Downregulated
3,758	1.159×10^{-24}	0,000	Downregulated
3,452	1.192×10^{-24}	0,000	Downregulated
4,231	1.282×10^{-24}	0,000	Upregulated
0,651	1.354×10^{-24}	0,000	Downregulated
4,831	1.508×10^{-24}	0,000	Upregulated
-1,665	1.561×10^{-24}	0,000	Downregulated
1,899	1.649×10^{-24}	0,000	Downregulated
4,742	1.685×10^{-24}	0,000	Downregulated
5,976	1.692×10^{-24}	0,000	Downregulated
-0,441	1.706×10^{-24}	0,000	Downregulated
2,392	1.711×10^{-24}	0,000	Downregulated
4,948	1.832×10^{-24}	0,000	Downregulated
5,056	1.891×10^{-24}	0,000	Downregulated
7,845	1.988×10^{-24}	0,000	Upregulated
2,799	2.102×10^{-24}	0,000	Downregulated
4,816	2.108×10^{-24}	0,000	Upregulated
1,628	2.150×10^{-24}	0,000	Downregulated
1,577	2.444×10^{-24}	0,000	Downregulated
5,292	2.527×10^{-24}	0,000	Downregulated
7,744	2.573×10^{-24}	0,000	Upregulated
2,363	2.711×10^{-24}	0,000	Downregulated
4,119	3.013×10^{-24}	0,000	Downregulated
5,421	3.018×10^{-24}	0,000	Downregulated
0,081	3.439×10^{-24}	0,000	Downregulated

5,103	3.698×10^{-24}	0,000	Upregulated
3,916	3.826×10^{-24}	0,000	Downregulated
2,022	3.863×10^{-24}	0,000	Downregulated
5,686	3.952×10^{-24}	0,000	Upregulated
6,875	4.282×10^{-24}	0,000	Upregulated
2,469	4.619×10^{-24}	0,000	Downregulated
2,046	5.224×10^{-24}	0,000	Downregulated
5,268	5.325×10^{-24}	0,000	Upregulated
3,298	5.361×10^{-24}	0,000	Downregulated
1,885	5.624×10^{-24}	0,000	Downregulated
4,440	5.950×10^{-24}	0,000	Upregulated
5,823	6.048×10^{-24}	0,000	Downregulated
2,732	6.173×10^{-24}	0,000	Upregulated
-2,828	6.189×10^{-24}	0,000	Downregulated
2,652	6.223×10^{-24}	0,000	Downregulated
-2,283	6.338×10^{-24}	0,000	Downregulated
1,753	6.529×10^{-24}	0,000	Downregulated
2,370	7.033×10^{-24}	0,000	Downregulated
-2,919	7.132×10^{-24}	0,000	Downregulated
4,910	7.628×10^{-24}	0,000	Upregulated
2,034	7.842×10^{-24}	0,000	Downregulated
2,946	7.966×10^{-24}	0,000	Downregulated
4,289	8.291×10^{-24}	0,000	Downregulated
6,755	8.470×10^{-24}	0,000	Downregulated
-0,454	8.934×10^{-24}	0,000	Downregulated
4,966	9.234×10^{-24}	0,000	Upregulated
6,827	9.468×10^{-24}	0,000	Downregulated
4,219	9.863×10^{-24}	0,000	Downregulated
3,529	9.912×10^{-24}	0,000	Upregulated
-1,734	1.179×10^{-23}	0,000	Downregulated
4,448	1.313×10^{-23}	0,000	Downregulated
6,770	1.315×10^{-23}	0,000	Upregulated
2,590	1.320×10^{-23}	0,000	Downregulated
1,781	1.381×10^{-23}	0,000	Downregulated
2,444	1.407×10^{-23}	0,000	Downregulated
0,874	1.468×10^{-23}	0,000	Downregulated
4,027	1.511×10^{-23}	0,000	Upregulated
4,053	1.559×10^{-23}	0,000	Downregulated
-3,307	1.611×10^{-23}	0,000	Downregulated
2,219	1.669×10^{-23}	0,000	Downregulated
-0,708	1.777×10^{-23}	0,000	Downregulated
-0,407	1.871×10^{-23}	0,000	Downregulated
-3,333	1.897×10^{-23}	0,000	Downregulated
-1,974	1.987×10^{-23}	0,000	Downregulated
4,900	1.990×10^{-23}	0,000	Downregulated

2,275	1.992×10^{-23}	0,000	Downregulated
-2,673	2.212×10^{-23}	0,000	Downregulated
3,197	2.237×10^{-23}	0,000	Downregulated
6,254	2.341×10^{-23}	0,000	Downregulated
-1,625	2.385×10^{-23}	0,000	Downregulated
-2,398	2.440×10^{-23}	0,000	Downregulated
4,210	2.459×10^{-23}	0,000	Upregulated
1,368	2.502×10^{-23}	0,000	Downregulated
4,950	2.506×10^{-23}	0,000	Downregulated
2,279	2.728×10^{-23}	0,000	Downregulated
5,898	2.889×10^{-23}	0,000	Downregulated
4,677	2.997×10^{-23}	0,000	Upregulated
1,750	3.007×10^{-23}	0,000	Downregulated
1,340	3.040×10^{-23}	0,000	Downregulated
2,763	3.060×10^{-23}	0,000	Downregulated
4,425	3.201×10^{-23}	0,000	Downregulated
-2,775	3.244×10^{-23}	0,000	Downregulated
3,997	3.293×10^{-23}	0,000	Downregulated
3,676	3.729×10^{-23}	0,000	Downregulated
5,385	3.750×10^{-23}	0,000	Downregulated
6,938	4.117×10^{-23}	0,000	Upregulated
2,999	4.516×10^{-23}	0,000	Downregulated
6,073	4.873×10^{-23}	0,000	Downregulated
6,933	4.990×10^{-23}	0,000	Downregulated
4,160	5.283×10^{-23}	0,000	Upregulated
11,287	5.352×10^{-23}	0,000	Upregulated
-2,834	5.457×10^{-23}	0,000	Downregulated
2,453	5.657×10^{-23}	0,000	Downregulated
4,897	6.204×10^{-23}	0,000	Upregulated
5,369	6.703×10^{-23}	0,000	Downregulated
6,565	7.415×10^{-23}	0,000	Upregulated
-2,869	7.963×10^{-23}	0,000	Downregulated
5,574	8.418×10^{-23}	0,000	Downregulated
6,065	8.422×10^{-23}	0,000	Upregulated
1,241	1.083×10^{-22}	0,000	Downregulated
5,059	1.139×10^{-22}	0,000	Upregulated
5,011	1.270×10^{-22}	0,000	Upregulated
6,703	1.392×10^{-22}	0,000	Upregulated
3,032	1.433×10^{-22}	0,000	Downregulated
5,095	1.492×10^{-22}	0,000	Downregulated
2,485	1.622×10^{-22}	0,000	Upregulated
6,800	1.652×10^{-22}	0,000	Upregulated
-2,118	1.707×10^{-22}	0,000	Downregulated
3,607	1.716×10^{-22}	0,000	Downregulated
5,223	1.929×10^{-22}	0,000	Upregulated

2,772	1.962×10^{-22}	0,000	Downregulated
3,751	2.038×10^{-22}	0,000	Upregulated
5,422	2.206×10^{-22}	0,000	Downregulated
0,501	2.220×10^{-22}	0,000	Downregulated
3,599	2.331×10^{-22}	0,000	Upregulated
-0,911	2.353×10^{-22}	0,000	Downregulated
8,061	2.671×10^{-22}	0,000	Upregulated
-2,230	2.748×10^{-22}	0,000	Downregulated
1,650	2.807×10^{-22}	0,000	Downregulated
-1,011	3.220×10^{-22}	0,000	Downregulated
-0,172	3.365×10^{-22}	0,000	Downregulated
3,796	3.526×10^{-22}	0,000	Downregulated
1,033	3.580×10^{-22}	0,000	Downregulated
4,654	3.633×10^{-22}	0,000	Upregulated
3,923	3.883×10^{-22}	0,000	Downregulated
4,502	4.019×10^{-22}	0,000	Downregulated
5,578	4.244×10^{-22}	0,000	Upregulated
5,026	4.574×10^{-22}	0,000	Upregulated
5,473	4.638×10^{-22}	0,000	Upregulated
5,248	4.703×10^{-22}	0,000	Upregulated
3,615	4.908×10^{-22}	0,000	Downregulated
-1,098	4.945×10^{-22}	0,000	Downregulated
3,930	5.029×10^{-22}	0,000	Downregulated
6,757	5.410×10^{-22}	0,000	Downregulated
6,322	5.773×10^{-22}	0,000	Upregulated
1,975	6.505×10^{-22}	0,000	Downregulated
0,543	7.056×10^{-22}	0,000	Downregulated
1,530	7.332×10^{-22}	0,000	Downregulated
5,192	7.685×10^{-22}	0,000	Downregulated
0,310	8.020×10^{-22}	0,000	Downregulated
2,001	8.273×10^{-22}	0,000	Downregulated
-3,788	8.341×10^{-22}	0,000	Downregulated
3,129	8.351×10^{-22}	0,000	Downregulated
5,817	8.783×10^{-22}	0,000	Upregulated
3,994	8.953×10^{-22}	0,000	Upregulated
-0,331	9.069×10^{-22}	0,000	Downregulated
6,780	9.614×10^{-22}	0,000	Upregulated
11,624	9.676×10^{-22}	0,000	Downregulated
-2,298	1.039×10^{-21}	0,000	Downregulated
4,861	1.076×10^{-21}	0,000	Downregulated
2,361	1.115×10^{-21}	0,000	Downregulated
0,852	1.125×10^{-21}	0,000	Downregulated
8,076	1.138×10^{-21}	0,000	Upregulated
3,150	1.145×10^{-21}	0,000	Downregulated
6,788	1.194×10^{-21}	0,000	Upregulated

9,381	1.219×10^{-21}	0,000	Downregulated
4,926	1.243×10^{-21}	0,000	Upregulated
8,458	1.267×10^{-21}	0,000	Upregulated
2,705	1.556×10^{-21}	0,000	Downregulated
3,091	1.588×10^{-21}	0,000	Downregulated
5,472	1.622×10^{-21}	0,000	Upregulated
5,351	1.670×10^{-21}	0,000	Downregulated
0,283	1.752×10^{-21}	0,000	Downregulated
1,610	1.787×10^{-21}	0,000	Downregulated
6,288	1.817×10^{-21}	0,000	Upregulated
2,474	1.917×10^{-21}	0,000	Downregulated
-1,590	2.045×10^{-21}	0,000	Downregulated
-3,198	2.055×10^{-21}	0,000	Downregulated
7,195	2.072×10^{-21}	0,000	Downregulated
1,950	2.131×10^{-21}	0,000	Downregulated
-0,018	2.401×10^{-21}	0,000	Downregulated
8,782	2.745×10^{-21}	0,000	Downregulated
1,017	2.817×10^{-21}	0,000	Downregulated
4,173	2.917×10^{-21}	0,000	Downregulated
5,748	3.022×10^{-21}	0,000	Upregulated
6,057	3.386×10^{-21}	0,000	Upregulated
2,599	3.408×10^{-21}	0,000	Downregulated
0,239	3.435×10^{-21}	0,000	Downregulated
5,614	3.814×10^{-21}	0,000	Downregulated
5,515	3.923×10^{-21}	0,000	Upregulated
0,216	4.181×10^{-21}	0,000	Downregulated
3,480	4.446×10^{-21}	0,000	Downregulated
13,276	4.503×10^{-21}	0,000	Downregulated
6,269	4.517×10^{-21}	0,000	Upregulated
6,002	4.520×10^{-21}	0,000	Upregulated
5,875	4.534×10^{-21}	0,000	Upregulated
3,775	4.557×10^{-21}	0,000	Downregulated
-0,098	5.071×10^{-21}	0,000	Downregulated
1,793	5.155×10^{-21}	0,000	Downregulated
6,313	5.426×10^{-21}	0,000	Upregulated
3,658	5.671×10^{-21}	0,000	Downregulated
2,813	6.108×10^{-21}	0,000	Downregulated
-4,027	6.233×10^{-21}	0,000	Downregulated
5,888	6.489×10^{-21}	0,000	Downregulated
2,649	6.767×10^{-21}	0,000	Downregulated
9,863	6.910×10^{-21}	0,000	Downregulated
-1,946	7.014×10^{-21}	0,000	Downregulated
-4,001	7.468×10^{-21}	0,000	Downregulated
1,186	7.634×10^{-21}	0,000	Downregulated
-2,461	7.646×10^{-21}	0,000	Downregulated

0,336	7.858×10^{-21}	0,000	Downregulated
3,060	7.937×10^{-21}	0,000	Downregulated
1,443	8.255×10^{-21}	0,000	Downregulated
5,658	8.623×10^{-21}	0,000	Upregulated
5,366	8.855×10^{-21}	0,000	Upregulated
5,500	8.906×10^{-21}	0,000	Upregulated
2,857	8.999×10^{-21}	0,000	Downregulated
5,633	9.018×10^{-21}	0,000	Downregulated
4,745	9.358×10^{-21}	0,000	Downregulated
0,984	9.560×10^{-21}	0,000	Downregulated
3,791	1.009×10^{-20}	0,000	Downregulated
3,171	1.073×10^{-20}	0,000	Downregulated
4,569	1.080×10^{-20}	0,000	Upregulated
6,258	1.096×10^{-20}	0,000	Downregulated
3,230	1.106×10^{-20}	0,000	Downregulated
3,177	1.189×10^{-20}	0,000	Downregulated
5,850	1.276×10^{-20}	0,000	Upregulated
3,565	1.296×10^{-20}	0,000	Downregulated
1,398	1.297×10^{-20}	0,000	Downregulated
2,847	1.327×10^{-20}	0,000	Upregulated
5,302	1.377×10^{-20}	0,000	Upregulated
5,001	1.425×10^{-20}	0,000	Downregulated
-0,295	1.479×10^{-20}	0,000	Downregulated
3,929	1.550×10^{-20}	0,000	Downregulated
1,533	1.620×10^{-20}	0,000	Upregulated
4,157	1.815×10^{-20}	0,000	Upregulated
1,253	1.954×10^{-20}	0,000	Downregulated
-0,964	2.002×10^{-20}	0,000	Downregulated
-1,840	2.017×10^{-20}	0,000	Downregulated
5,194	2.074×10^{-20}	0,000	Upregulated
-0,996	2.158×10^{-20}	0,000	Downregulated
-0,879	2.227×10^{-20}	0,000	Downregulated
2,044	2.228×10^{-20}	0,000	Downregulated
1,560	2.294×10^{-20}	0,000	Downregulated
7,203	2.299×10^{-20}	0,000	Upregulated
6,214	2.378×10^{-20}	0,000	Upregulated
2,514	2.710×10^{-20}	0,000	Downregulated
0,372	2.742×10^{-20}	0,000	Downregulated
8,654	2.881×10^{-20}	0,000	Upregulated
0,143	2.891×10^{-20}	0,000	Downregulated
4,149	3.040×10^{-20}	0,000	Downregulated
5,253	3.233×10^{-20}	0,000	Downregulated
-0,949	3.334×10^{-20}	0,000	Downregulated
3,737	3.355×10^{-20}	0,000	Downregulated
5,705	3.449×10^{-20}	0,000	Downregulated

4,556	3.517×10^{-20}	0,000	Upregulated
2,931	3.542×10^{-20}	0,000	Downregulated
5,605	3.760×10^{-20}	0,000	Upregulated
5,502	4.023×10^{-20}	0,000	Upregulated
3,466	4.100×10^{-20}	0,000	Downregulated
2,778	4.113×10^{-20}	0,000	Downregulated
1,386	4.161×10^{-20}	0,000	Downregulated
2,840	4.325×10^{-20}	0,000	Downregulated
2,781	4.652×10^{-20}	0,000	Downregulated
3,992	4.763×10^{-20}	0,000	Downregulated
5,774	4.924×10^{-20}	0,000	Upregulated
6,927	5.012×10^{-20}	0,000	Downregulated
2,932	5.118×10^{-20}	0,000	Downregulated
-3,363	5.188×10^{-20}	0,000	Downregulated
6,726	5.190×10^{-20}	0,000	Upregulated
1,455	5.586×10^{-20}	0,000	Downregulated
1,453	5.674×10^{-20}	0,000	Downregulated
6,408	5.949×10^{-20}	0,000	Downregulated
-0,906	7.258×10^{-20}	0,000	Downregulated
7,434	7.269×10^{-20}	0,000	Upregulated
-0,982	7.320×10^{-20}	0,000	Downregulated
2,829	7.785×10^{-20}	0,000	Downregulated
5,030	8.071×10^{-20}	0,000	Downregulated
7,070	8.504×10^{-20}	0,000	Upregulated
1,482	9.013×10^{-20}	0,000	Downregulated
3,464	1.022×10^{-19}	0,000	Downregulated
-4,964	1.031×10^{-19}	0,000	Downregulated
0,897	1.038×10^{-19}	0,000	Downregulated
1,322	1.052×10^{-19}	0,000	Downregulated
1,785	1.104×10^{-19}	0,000	Downregulated
4,520	1.146×10^{-19}	0,000	Upregulated
8,903	1.157×10^{-19}	0,000	Upregulated
5,155	1.211×10^{-19}	0,000	Downregulated
0,059	1.217×10^{-19}	0,000	Downregulated
4,391	1.234×10^{-19}	0,000	Downregulated
5,555	1.312×10^{-19}	0,000	Upregulated
4,260	1.339×10^{-19}	0,000	Upregulated
6,772	1.374×10^{-19}	0,000	Upregulated
-0,907	1.382×10^{-19}	0,000	Downregulated
5,435	1.450×10^{-19}	0,000	Downregulated
0,550	1.494×10^{-19}	0,000	Downregulated
10,509	1.509×10^{-19}	0,000	Upregulated
1,477	1.513×10^{-19}	0,000	Downregulated
5,272	1.516×10^{-19}	0,000	Upregulated
-2,300	1.603×10^{-19}	0,000	Downregulated

4,847	1.652×10^{-19}	0,000	Upregulated
4,581	1.678×10^{-19}	0,000	Upregulated
3,916	1.773×10^{-19}	0,000	Downregulated
-0,472	1.852×10^{-19}	0,000	Downregulated
4,135	2.040×10^{-19}	0,000	Downregulated
-2,843	2.098×10^{-19}	0,000	Downregulated
0,739	2.244×10^{-19}	0,000	Downregulated
7,292	2.275×10^{-19}	0,000	Upregulated
3,154	2.286×10^{-19}	0,000	Downregulated
4,316	2.368×10^{-19}	0,000	Downregulated
-2,537	2.429×10^{-19}	0,000	Downregulated
0,817	2.599×10^{-19}	0,000	Downregulated
2,712	2.758×10^{-19}	0,000	Downregulated
6,745	2.796×10^{-19}	0,000	Upregulated
-3,416	2.970×10^{-19}	0,000	Downregulated
3,746	3.004×10^{-19}	0,000	Upregulated
3,142	3.021×10^{-19}	0,000	Upregulated
5,355	3.039×10^{-19}	0,000	Downregulated
3,525	3.169×10^{-19}	0,000	Upregulated
0,014	3.282×10^{-19}	0,000	Downregulated
9,695	3.431×10^{-19}	0,000	Upregulated
-1,449	3.457×10^{-19}	0,000	Downregulated
7,267	3.914×10^{-19}	0,000	Downregulated
4,900	3.930×10^{-19}	0,000	Upregulated
-2,066	4.155×10^{-19}	0,000	Downregulated
-2,879	4.242×10^{-19}	0,000	Downregulated
3,129	4.546×10^{-19}	0,000	Upregulated
-4,744	4.749×10^{-19}	0,000	Downregulated
-0,426	5.407×10^{-19}	0,000	Downregulated
7,810	5.460×10^{-19}	0,000	Upregulated
5,004	5.706×10^{-19}	0,000	Upregulated
4,457	6.046×10^{-19}	0,000	Downregulated
2,716	6.397×10^{-19}	0,000	Upregulated
0,685	7.320×10^{-19}	0,000	Downregulated
0,091	7.345×10^{-19}	0,000	Downregulated
-0,075	7.571×10^{-19}	0,000	Downregulated
0,158	8.184×10^{-19}	0,000	Downregulated
0,009	8.273×10^{-19}	0,000	Downregulated
2,923	8.275×10^{-19}	0,000	Upregulated
0,016	8.407×10^{-19}	0,000	Downregulated
4,587	8.719×10^{-19}	0,000	Upregulated
1,996	8.745×10^{-19}	0,000	Downregulated
6,245	8.753×10^{-19}	0,000	Upregulated
4,766	8.774×10^{-19}	0,000	Upregulated
1,479	9.459×10^{-19}	0,000	Downregulated

-1,811	9.846×10^{-19}	0,000	Downregulated
4,164	9.862×10^{-19}	0,000	Upregulated
8,397	1.014×10^{-18}	0,000	Upregulated
3,613	1.046×10^{-18}	0,000	Downregulated
2,631	1.076×10^{-18}	0,000	Downregulated
0,041	1.100×10^{-18}	0,000	Downregulated
-2,788	1.126×10^{-18}	0,000	Downregulated
5,992	1.128×10^{-18}	0,000	Upregulated
3,359	1.156×10^{-18}	0,000	Upregulated
4,291	1.161×10^{-18}	0,000	Upregulated
2,079	1.181×10^{-18}	0,000	Downregulated
-3,523	1.200×10^{-18}	0,000	Downregulated
6,186	1.331×10^{-18}	0,000	Upregulated
5,332	1.403×10^{-18}	0,000	Downregulated
2,471	1.465×10^{-18}	0,000	Downregulated
5,001	1.496×10^{-18}	0,000	Upregulated
6,858	1.517×10^{-18}	0,000	Upregulated
3,084	1.523×10^{-18}	0,000	Upregulated
12,313	1.640×10^{-18}	0,000	Downregulated
-3,839	1.716×10^{-18}	0,000	Downregulated
0,910	1.722×10^{-18}	0,000	Downregulated
8,005	1.968×10^{-18}	0,000	Upregulated
1,405	2.039×10^{-18}	0,000	Downregulated
0,807	2.043×10^{-18}	0,000	Downregulated
6,327	2.070×10^{-18}	0,000	Upregulated
0,152	2.075×10^{-18}	0,000	Downregulated
-3,815	2.155×10^{-18}	0,000	Downregulated
7,455	2.405×10^{-18}	0,000	Upregulated
-0,627	2.463×10^{-18}	0,000	Downregulated
5,109	2.475×10^{-18}	0,000	Upregulated
3,907	2.572×10^{-18}	0,000	Upregulated
2,680	2.724×10^{-18}	0,000	Downregulated
5,776	2.825×10^{-18}	0,000	Upregulated
0,980	2.832×10^{-18}	0,000	Downregulated
-3,495	2.846×10^{-18}	0,000	Downregulated
5,533	2.852×10^{-18}	0,000	Downregulated
-1,631	2.889×10^{-18}	0,000	Downregulated
-2,700	3.010×10^{-18}	0,000	Downregulated
11,733	3.053×10^{-18}	0,000	Downregulated
6,931	3.092×10^{-18}	0,000	Upregulated
5,550	3.163×10^{-18}	0,000	Downregulated
2,541	3.191×10^{-18}	0,000	Downregulated
6,654	3.324×10^{-18}	0,000	Upregulated
2,699	3.576×10^{-18}	0,000	Downregulated
6,698	3.670×10^{-18}	0,000	Upregulated

6,217	3.829×10^{-18}	0,000	Upregulated
-4,124	3.848×10^{-18}	0,000	Downregulated
3,109	4.190×10^{-18}	0,000	Downregulated
5,193	4.227×10^{-18}	0,000	Upregulated
5,900	4.282×10^{-18}	0,000	Downregulated
2,770	4.509×10^{-18}	0,000	Downregulated
3,226	4.775×10^{-18}	0,000	Downregulated
7,128	4.819×10^{-18}	0,000	Upregulated
4,031	4.992×10^{-18}	0,000	Upregulated
1,085	5.171×10^{-18}	0,000	Downregulated
1,167	5.219×10^{-18}	0,000	Downregulated
2,868	5.380×10^{-18}	0,000	Upregulated
5,180	5.496×10^{-18}	0,000	Upregulated
7,539	5.628×10^{-18}	0,000	Downregulated
-2,106	6.041×10^{-18}	0,000	Downregulated
6,228	6.288×10^{-18}	0,000	Downregulated
1,553	6.457×10^{-18}	0,000	Downregulated
8,658	6.693×10^{-18}	0,000	Upregulated
4,096	6.920×10^{-18}	0,000	Downregulated
5,034	6.986×10^{-18}	0,000	Upregulated
4,689	7.035×10^{-18}	0,000	Upregulated
1,872	8.073×10^{-18}	0,000	Downregulated
-3,908	8.495×10^{-18}	0,000	Downregulated
5,822	8.816×10^{-18}	0,000	Upregulated
1,312	9.212×10^{-18}	0,000	Downregulated
-2,766	9.284×10^{-18}	0,000	Downregulated
3,447	9.309×10^{-18}	0,000	Upregulated
5,588	1.066×10^{-17}	0,000	Upregulated
3,356	1.067×10^{-17}	0,000	Upregulated
7,696	1.105×10^{-17}	0,000	Upregulated
3,769	1.153×10^{-17}	0,000	Upregulated
3,859	1.166×10^{-17}	0,000	Downregulated
-5,077	1.168×10^{-17}	0,000	Downregulated
5,926	1.175×10^{-17}	0,000	Upregulated
3,477	1.181×10^{-17}	0,000	Downregulated
6,935	1.192×10^{-17}	0,000	Upregulated
4,238	1.243×10^{-17}	0,000	Downregulated
0,426	1.274×10^{-17}	0,000	Upregulated
7,366	1.303×10^{-17}	0,000	Upregulated
-1,619	1.381×10^{-17}	0,000	Downregulated
3,433	1.434×10^{-17}	0,000	Downregulated
5,712	1.481×10^{-17}	0,000	Upregulated
8,896	1.491×10^{-17}	0,000	Upregulated
5,889	1.552×10^{-17}	0,000	Upregulated
3,382	1.629×10^{-17}	0,000	Downregulated

4,624	1.638×10^{-17}	0,000	Upregulated
0,937	1.639×10^{-17}	0,000	Downregulated
3,108	1.673×10^{-17}	0,000	Upregulated
4,854	1.826×10^{-17}	0,000	Downregulated
2,982	1.888×10^{-17}	0,000	Downregulated
5,793	1.917×10^{-17}	0,000	Upregulated
1,950	2.095×10^{-17}	0,000	Upregulated
2,121	2.127×10^{-17}	0,000	Downregulated
7,551	2.134×10^{-17}	0,000	Upregulated
4,885	2.337×10^{-17}	0,000	Downregulated
4,848	2.428×10^{-17}	0,000	Downregulated
3,553	2.449×10^{-17}	0,000	Downregulated
1,005	2.486×10^{-17}	0,000	Downregulated
3,924	2.536×10^{-17}	0,000	Downregulated
3,854	2.546×10^{-17}	0,000	Upregulated
0,067	2.625×10^{-17}	0,000	Downregulated
0,757	2.666×10^{-17}	0,000	Downregulated
5,309	2.671×10^{-17}	0,000	Upregulated
-0,110	3.215×10^{-17}	0,000	Downregulated
5,802	3.324×10^{-17}	0,000	Upregulated
2,437	3.680×10^{-17}	0,000	Downregulated
5,928	3.886×10^{-17}	0,000	Upregulated
6,081	3.888×10^{-17}	0,000	Upregulated
3,994	4.200×10^{-17}	0,000	Downregulated
-3,932	4.371×10^{-17}	0,000	Downregulated
-4,274	4.500×10^{-17}	0,000	Downregulated
3,581	4.875×10^{-17}	0,000	Downregulated
2,136	4.947×10^{-17}	0,000	Downregulated
4,635	5.011×10^{-17}	0,000	Downregulated
4,171	5.012×10^{-17}	0,000	Downregulated
-2,911	5.255×10^{-17}	0,000	Downregulated
2,973	5.280×10^{-17}	0,000	Downregulated
6,340	5.667×10^{-17}	0,000	Upregulated
6,771	5.669×10^{-17}	0,000	Upregulated
2,961	5.895×10^{-17}	0,000	Upregulated
3,070	6.200×10^{-17}	0,000	Downregulated
-2,437	6.343×10^{-17}	0,000	Downregulated
4,483	6.548×10^{-17}	0,000	Upregulated
5,921	6.623×10^{-17}	0,000	Upregulated
-1,428	6.688×10^{-17}	0,000	Downregulated
2,150	7.170×10^{-17}	0,000	Downregulated
-3,286	7.369×10^{-17}	0,000	Downregulated
6,816	7.843×10^{-17}	0,000	Upregulated
1,854	7.883×10^{-17}	0,000	Downregulated
4,978	8.198×10^{-17}	0,000	Downregulated

7,088	8.371×10^{-17}	0,000	Upregulated
7,499	8.409×10^{-17}	0,000	Upregulated
2,480	8.472×10^{-17}	0,000	Downregulated
-2,321	8.648×10^{-17}	0,000	Downregulated
4,280	8.804×10^{-17}	0,000	Upregulated
3,223	8.858×10^{-17}	0,000	Downregulated
5,618	9.298×10^{-17}	0,000	Upregulated
-4,132	9.564×10^{-17}	0,000	Downregulated
5,953	1.012×10^{-16}	0,000	Downregulated
10,281	1.050×10^{-16}	0,000	Upregulated
4,134	1.052×10^{-16}	0,000	Upregulated
-0,754	1.137×10^{-16}	0,000	Downregulated
7,629	1.168×10^{-16}	0,000	Upregulated
5,191	1.190×10^{-16}	0,000	Upregulated
4,363	1.207×10^{-16}	0,000	Downregulated
5,298	1.241×10^{-16}	0,000	Upregulated
4,045	1.249×10^{-16}	0,000	Downregulated
4,620	1.273×10^{-16}	0,000	Upregulated
4,748	1.291×10^{-16}	0,000	Upregulated
5,084	1.405×10^{-16}	0,000	Upregulated
3,916	1.424×10^{-16}	0,000	Downregulated
2,850	1.434×10^{-16}	0,000	Downregulated
8,302	1.452×10^{-16}	0,000	Upregulated
-0,940	1.478×10^{-16}	0,000	Downregulated
4,640	1.513×10^{-16}	0,000	Upregulated
8,891	1.554×10^{-16}	0,000	Upregulated
5,986	1.618×10^{-16}	0,000	Upregulated
7,285	1.664×10^{-16}	0,000	Upregulated
5,285	1.781×10^{-16}	0,000	Downregulated
1,207	1.837×10^{-16}	0,000	Downregulated
4,720	1.921×10^{-16}	0,000	Upregulated
2,755	1.936×10^{-16}	0,000	Downregulated
-4,682	2.024×10^{-16}	0,000	Downregulated
4,979	2.060×10^{-16}	0,000	Downregulated
4,248	2.083×10^{-16}	0,000	Upregulated
1,929	2.341×10^{-16}	0,000	Downregulated
6,697	2.394×10^{-16}	0,000	Upregulated
14,090	2.420×10^{-16}	0,000	Upregulated
3,016	2.536×10^{-16}	0,000	Downregulated
-3,338	2.581×10^{-16}	0,000	Downregulated
-1,642	2.689×10^{-16}	0,000	Downregulated
2,222	2.700×10^{-16}	0,000	Downregulated
3,994	3.009×10^{-16}	0,000	Downregulated
-1,477	3.028×10^{-16}	0,000	Downregulated
5,778	3.062×10^{-16}	0,000	Upregulated

6,848	3.066×10^{-16}	0,000	Upregulated
8,182	3.074×10^{-16}	0,000	Upregulated
1,608	3.097×10^{-16}	0,000	Downregulated
2,576	3.098×10^{-16}	0,000	Downregulated
5,351	3.143×10^{-16}	0,000	Upregulated
3,706	3.155×10^{-16}	0,000	Downregulated
4,355	3.173×10^{-16}	0,000	Downregulated
7,072	3.266×10^{-16}	0,000	Upregulated
5,769	3.271×10^{-16}	0,000	Downregulated
2,468	3.513×10^{-16}	0,000	Downregulated
6,474	3.704×10^{-16}	0,000	Upregulated
6,564	3.884×10^{-16}	0,000	Upregulated
-0,571	3.926×10^{-16}	0,000	Downregulated
6,183	4.128×10^{-16}	0,000	Downregulated
-0,490	4.355×10^{-16}	0,000	Upregulated
2,711	4.512×10^{-16}	0,000	Upregulated
5,684	5.052×10^{-16}	0,000	Upregulated
6,623	5.178×10^{-16}	0,000	Downregulated
5,879	5.466×10^{-16}	0,000	Upregulated
2,525	5.523×10^{-16}	0,000	Upregulated
6,366	5.920×10^{-16}	0,000	Upregulated
0,423	6.194×10^{-16}	0,000	Upregulated
7,135	6.279×10^{-16}	0,000	Upregulated
1,849	6.440×10^{-16}	0,000	Upregulated
5,243	6.622×10^{-16}	0,000	Upregulated
7,902	6.674×10^{-16}	0,000	Upregulated
0,278	6.811×10^{-16}	0,000	Downregulated
4,706	6.821×10^{-16}	0,000	Upregulated
-1,005	7.317×10^{-16}	0,000	Downregulated
3,808	7.556×10^{-16}	0,000	Upregulated
3,517	7.607×10^{-16}	0,000	Downregulated
-3,860	7.746×10^{-16}	0,000	Downregulated
3,296	7.790×10^{-16}	0,000	Downregulated
5,124	7.943×10^{-16}	0,000	Upregulated
6,232	8.030×10^{-16}	0,000	Upregulated
3,800	8.481×10^{-16}	0,000	Upregulated
-2,124	8.793×10^{-16}	0,000	Downregulated
-3,440	9.040×10^{-16}	0,000	Downregulated
1,842	9.085×10^{-16}	0,000	Downregulated
4,462	9.130×10^{-16}	0,000	Upregulated
5,885	9.319×10^{-16}	0,000	Upregulated
2,469	9.637×10^{-16}	0,000	Downregulated
6,132	9.639×10^{-16}	0,000	Upregulated
5,838	1.041×10^{-15}	0,000	Upregulated
8,098	1.045×10^{-15}	0,000	Upregulated

0,438	1.053×10^{-15}	0,000	Downregulated
0,870	1.075×10^{-15}	0,000	Downregulated
5,181	1.121×10^{-15}	0,000	Upregulated
6,651	1.156×10^{-15}	0,000	Upregulated
-1,249	1.169×10^{-15}	0,000	Downregulated
3,694	1.183×10^{-15}	0,000	Downregulated
-5,197	1.230×10^{-15}	0,000	Downregulated
4,620	1.237×10^{-15}	0,000	Downregulated
5,249	1.264×10^{-15}	0,000	Downregulated
1,596	1.278×10^{-15}	0,000	Downregulated
6,639	1.336×10^{-15}	0,000	Downregulated
7,994	1.348×10^{-15}	0,000	Upregulated
4,738	1.401×10^{-15}	0,000	Upregulated
-3,589	1.537×10^{-15}	0,000	Downregulated
-3,142	1.557×10^{-15}	0,000	Downregulated
7,844	1.563×10^{-15}	0,000	Upregulated
2,809	1.595×10^{-15}	0,000	Downregulated
5,839	1.603×10^{-15}	0,000	Upregulated
1,268	1.668×10^{-15}	0,000	Upregulated
5,445	1.778×10^{-15}	0,000	Downregulated
5,539	1.804×10^{-15}	0,000	Upregulated
-3,326	1.903×10^{-15}	0,000	Downregulated
-4,293	1.920×10^{-15}	0,000	Downregulated
-0,095	2.075×10^{-15}	0,000	Downregulated
2,618	2.119×10^{-15}	0,000	Downregulated
2,037	2.143×10^{-15}	0,000	Downregulated
3,318	2.154×10^{-15}	0,000	Downregulated
-2,604	2.207×10^{-15}	0,000	Downregulated
7,561	2.335×10^{-15}	0,000	Upregulated
-2,167	2.354×10^{-15}	0,000	Downregulated
1,778	2.431×10^{-15}	0,000	Downregulated
4,617	2.449×10^{-15}	0,000	Upregulated
-2,959	2.478×10^{-15}	0,000	Downregulated
7,516	2.618×10^{-15}	0,000	Upregulated
6,648	2.718×10^{-15}	0,000	Upregulated
9,882	2.764×10^{-15}	0,000	Upregulated
7,136	2.859×10^{-15}	0,000	Upregulated
11,196	2.868×10^{-15}	0,000	Upregulated
7,725	3.287×10^{-15}	0,000	Upregulated
9,148	3.344×10^{-15}	0,000	Upregulated
4,835	3.487×10^{-15}	0,000	Upregulated
7,222	3.843×10^{-15}	0,000	Upregulated
3,906	4.017×10^{-15}	0,000	Upregulated
-3,734	4.127×10^{-15}	0,000	Downregulated
-0,382	4.224×10^{-15}	0,000	Downregulated

4,428	4.263×10^{-15}	0,000	Upregulated
2,266	4.315×10^{-15}	0,000	Downregulated
5,144	4.416×10^{-15}	0,000	Downregulated
-1,066	4.692×10^{-15}	0,000	Downregulated
-3,320	4.742×10^{-15}	0,000	Downregulated
4,277	4.861×10^{-15}	0,000	Upregulated
0,355	4.864×10^{-15}	0,000	Upregulated
3,669	4.874×10^{-15}	0,000	Downregulated
-5,122	4.910×10^{-15}	0,000	Downregulated
3,004	5.062×10^{-15}	0,000	Upregulated
3,175	5.098×10^{-15}	0,000	Downregulated
1,653	5.133×10^{-15}	0,000	Downregulated
3,917	5.152×10^{-15}	0,000	Downregulated
0,220	5.192×10^{-15}	0,000	Upregulated
2,914	5.288×10^{-15}	0,000	Downregulated
-2,200	5.421×10^{-15}	0,000	Downregulated
3,165	5.515×10^{-15}	0,000	Downregulated
5,432	5.636×10^{-15}	0,000	Downregulated
3,930	5.777×10^{-15}	0,000	Upregulated
1,331	5.831×10^{-15}	0,000	Upregulated
5,556	6.001×10^{-15}	0,000	Downregulated
3,963	6.079×10^{-15}	0,000	Upregulated
-1,820	6.315×10^{-15}	0,000	Downregulated
5,830	6.526×10^{-15}	0,000	Upregulated
-0,450	6.540×10^{-15}	0,000	Downregulated
2,380	6.543×10^{-15}	0,000	Downregulated
5,851	6.833×10^{-15}	0,000	Upregulated
3,831	6.846×10^{-15}	0,000	Downregulated
5,423	6.947×10^{-15}	0,000	Upregulated
2,287	7.008×10^{-15}	0,000	Upregulated
-1,047	7.033×10^{-15}	0,000	Downregulated
2,628	7.184×10^{-15}	0,000	Upregulated
4,293	7.302×10^{-15}	0,000	Downregulated
0,703	7.578×10^{-15}	0,000	Downregulated
5,156	7.699×10^{-15}	0,000	Upregulated
3,433	8.058×10^{-15}	0,000	Upregulated
2,763	8.330×10^{-15}	0,000	Downregulated
-2,233	8.344×10^{-15}	0,000	Downregulated
3,778	8.373×10^{-15}	0,000	Downregulated
3,291	8.575×10^{-15}	0,000	Downregulated
9,868	8.654×10^{-15}	0,000	Upregulated
4,195	8.837×10^{-15}	0,000	Downregulated
-1,486	9.025×10^{-15}	0,000	Downregulated
2,462	9.589×10^{-15}	0,000	Downregulated
5,465	1.047×10^{-14}	0,000	Downregulated

-2,094	1.059×10^{-14}	0,000	Downregulated
-4,610	1.060×10^{-14}	0,000	Downregulated
7,425	1.091×10^{-14}	0,000	Downregulated
1,062	1.105×10^{-14}	0,000	Downregulated
2,835	1.110×10^{-14}	0,000	Downregulated
3,341	1.179×10^{-14}	0,000	Downregulated
6,109	1.220×10^{-14}	0,000	Upregulated
-3,598	1.238×10^{-14}	0,000	Downregulated
6,342	1.245×10^{-14}	0,000	Upregulated
1,345	1.292×10^{-14}	0,000	Downregulated
7,978	1.346×10^{-14}	0,000	Downregulated
4,834	1.349×10^{-14}	0,000	Upregulated
0,480	1.407×10^{-14}	0,000	Downregulated
3,681	1.415×10^{-14}	0,000	Upregulated
6,321	1.433×10^{-14}	0,000	Upregulated
5,184	1.476×10^{-14}	0,000	Downregulated
7,054	1.485×10^{-14}	0,000	Upregulated
0,416	1.522×10^{-14}	0,000	Downregulated
5,227	1.531×10^{-14}	0,000	Downregulated
5,788	1.571×10^{-14}	0,000	Upregulated
2,942	1.595×10^{-14}	0,000	Downregulated
2,602	1.607×10^{-14}	0,000	Upregulated
4,249	1.632×10^{-14}	0,000	Downregulated
-4,601	1.659×10^{-14}	0,000	Downregulated
4,503	1.659×10^{-14}	0,000	Downregulated
5,831	1.662×10^{-14}	0,000	Upregulated
-0,838	1.676×10^{-14}	0,000	Downregulated
6,175	1.686×10^{-14}	0,000	Upregulated
3,077	1.751×10^{-14}	0,000	Downregulated
-0,248	1.794×10^{-14}	0,000	Downregulated
-0,819	1.899×10^{-14}	0,000	Downregulated
2,741	2.004×10^{-14}	0,000	Downregulated
4,828	2.085×10^{-14}	0,000	Upregulated
2,846	2.109×10^{-14}	0,000	Downregulated
2,344	2.117×10^{-14}	0,000	Downregulated
1,611	2.146×10^{-14}	0,000	Downregulated
2,950	2.211×10^{-14}	0,000	Downregulated
6,730	2.313×10^{-14}	0,000	Upregulated
7,549	2.367×10^{-14}	0,000	Upregulated
7,688	2.381×10^{-14}	0,000	Upregulated
-0,741	2.432×10^{-14}	0,000	Downregulated
1,935	2.446×10^{-14}	0,000	Downregulated
-0,578	2.471×10^{-14}	0,000	Downregulated
6,263	2.717×10^{-14}	0,000	Downregulated
0,499	2.722×10^{-14}	0,000	Downregulated

4,339	2.768×10^{-14}	0,000	Upregulated
-3,628	2.918×10^{-14}	0,000	Downregulated
7,948	3.138×10^{-14}	0,000	Upregulated
4,671	3.287×10^{-14}	0,000	Upregulated
4,695	3.346×10^{-14}	0,000	Upregulated
1,864	3.506×10^{-14}	0,000	Downregulated
6,259	3.651×10^{-14}	0,000	Downregulated
11,741	3.780×10^{-14}	0,000	Downregulated
3,442	3.834×10^{-14}	0,000	Downregulated
5,041	3.851×10^{-14}	0,000	Upregulated
-1,777	3.897×10^{-14}	0,000	Downregulated
-1,960	4.261×10^{-14}	0,000	Downregulated
4,013	4.288×10^{-14}	0,000	Downregulated
-0,898	4.361×10^{-14}	0,000	Downregulated
1,061	4.546×10^{-14}	0,000	Downregulated
1,981	4.576×10^{-14}	0,000	Downregulated
5,779	4.736×10^{-14}	0,000	Upregulated
3,582	4.928×10^{-14}	0,000	Downregulated
-0,479	4.962×10^{-14}	0,000	Downregulated
4,819	5.306×10^{-14}	0,000	Downregulated
3,637	5.621×10^{-14}	0,000	Downregulated
4,519	5.641×10^{-14}	0,000	Upregulated
-0,869	5.818×10^{-14}	0,000	Downregulated
1,587	5.924×10^{-14}	0,000	Downregulated
-1,673	5.942×10^{-14}	0,000	Downregulated
1,526	5.945×10^{-14}	0,000	Downregulated
4,215	6.198×10^{-14}	0,000	Downregulated
-1,657	6.249×10^{-14}	0,000	Downregulated
2,503	6.267×10^{-14}	0,000	Upregulated
5,953	6.351×10^{-14}	0,000	Upregulated
-0,368	6.473×10^{-14}	0,000	Downregulated
10,180	6.559×10^{-14}	0,000	Upregulated
4,318	6.827×10^{-14}	0,000	Upregulated
3,527	7.364×10^{-14}	0,000	Downregulated
0,758	7.552×10^{-14}	0,000	Downregulated
5,806	7.782×10^{-14}	0,000	Upregulated
4,461	8.352×10^{-14}	0,000	Upregulated
2,804	8.655×10^{-14}	0,000	Upregulated
2,368	8.891×10^{-14}	0,000	Downregulated
1,395	9.215×10^{-14}	0,000	Upregulated
4,208	9.339×10^{-14}	0,000	Downregulated
-4,727	9.545×10^{-14}	0,000	Downregulated
8,052	9.890×10^{-14}	0,000	Upregulated
2,917	9.937×10^{-14}	0,000	Upregulated
7,776	1.019×10^{-13}	0,000	Upregulated

8,476	1.034×10^{-13}	0,000	Upregulated
-0,325	1.067×10^{-13}	0,000	Downregulated
4,267	1.087×10^{-13}	0,000	Upregulated
2,482	1.110×10^{-13}	0,000	Downregulated
3,623	1.178×10^{-13}	0,000	Downregulated
1,172	1.192×10^{-13}	0,000	Downregulated
0,604	1.284×10^{-13}	0,000	Downregulated
5,302	1.320×10^{-13}	0,000	Upregulated
4,583	1.421×10^{-13}	0,000	Downregulated
7,966	1.510×10^{-13}	0,000	Upregulated
-4,127	1.626×10^{-13}	0,000	Downregulated
6,622	1.728×10^{-13}	0,000	Upregulated
6,774	1.770×10^{-13}	0,000	Upregulated
2,217	1.789×10^{-13}	0,000	Downregulated
3,357	1.844×10^{-13}	0,000	Downregulated
3,842	1.855×10^{-13}	0,000	Downregulated
2,604	1.919×10^{-13}	0,000	Downregulated
8,023	1.945×10^{-13}	0,000	Upregulated
3,923	1.987×10^{-13}	0,000	Downregulated
1,333	2.056×10^{-13}	0,000	Upregulated
4,508	2.081×10^{-13}	0,000	Downregulated
-0,633	2.097×10^{-13}	0,000	Upregulated
7,102	2.148×10^{-13}	0,000	Upregulated
3,540	2.204×10^{-13}	0,000	Upregulated
-0,452	2.205×10^{-13}	0,000	Downregulated
0,938	2.261×10^{-13}	0,000	Downregulated
7,036	2.313×10^{-13}	0,000	Upregulated
3,642	2.317×10^{-13}	0,000	Downregulated
2,251	2.385×10^{-13}	0,000	Downregulated
3,419	2.450×10^{-13}	0,000	Downregulated
2,770	2.492×10^{-13}	0,000	Downregulated
3,908	2.707×10^{-13}	0,000	Downregulated
3,336	2.731×10^{-13}	0,000	Downregulated
5,549	2.787×10^{-13}	0,000	Upregulated
1,906	2.790×10^{-13}	0,000	Downregulated
7,033	2.863×10^{-13}	0,000	Upregulated
4,042	2.958×10^{-13}	0,000	Upregulated
6,185	3.043×10^{-13}	0,000	Upregulated
2,748	3.196×10^{-13}	0,000	Downregulated
4,133	3.207×10^{-13}	0,000	Upregulated
5,230	3.218×10^{-13}	0,000	Downregulated
-2,091	3.237×10^{-13}	0,000	Downregulated
2,091	3.338×10^{-13}	0,000	Downregulated
-3,183	3.381×10^{-13}	0,000	Downregulated
3,088	3.429×10^{-13}	0,000	Downregulated

3,265	3.527×10^{-13}	0,000	Upregulated
6,419	3.642×10^{-13}	0,000	Upregulated
3,499	3.893×10^{-13}	0,000	Downregulated
-3,599	3.985×10^{-13}	0,000	Downregulated
4,542	4.044×10^{-13}	0,000	Downregulated
-1,306	4.051×10^{-13}	0,000	Upregulated
-1,488	4.196×10^{-13}	0,000	Downregulated
7,201	4.215×10^{-13}	0,000	Downregulated
3,966	4.222×10^{-13}	0,000	Upregulated
2,571	4.301×10^{-13}	0,000	Downregulated
4,746	4.323×10^{-13}	0,000	Upregulated
7,049	4.520×10^{-13}	0,000	Upregulated
3,464	4.556×10^{-13}	0,000	Downregulated
0,953	4.565×10^{-13}	0,000	Upregulated
-4,209	4.590×10^{-13}	0,000	Downregulated
-3,925	4.607×10^{-13}	0,000	Downregulated
3,031	4.742×10^{-13}	0,000	Downregulated
1,822	4.876×10^{-13}	0,000	Downregulated
1,565	4.896×10^{-13}	0,000	Upregulated
-1,209	4.927×10^{-13}	0,000	Downregulated
6,990	4.946×10^{-13}	0,000	Upregulated
3,210	5.427×10^{-13}	0,000	Downregulated
-0,194	5.517×10^{-13}	0,000	Downregulated
-1,347	5.589×10^{-13}	0,000	Upregulated
4,337	5.673×10^{-13}	0,000	Downregulated
4,933	5.738×10^{-13}	0,000	Downregulated
8,385	5.822×10^{-13}	0,000	Upregulated
8,219	5.847×10^{-13}	0,000	Upregulated
-3,760	5.945×10^{-13}	0,000	Downregulated
3,528	6.230×10^{-13}	0,000	Downregulated
3,019	6.241×10^{-13}	0,000	Downregulated
3,159	6.599×10^{-13}	0,000	Downregulated
8,532	6.761×10^{-13}	0,000	Upregulated
3,332	7.448×10^{-13}	0,000	Downregulated
4,248	7.509×10^{-13}	0,000	Upregulated
3,029	7.694×10^{-13}	0,000	Upregulated
6,150	7.711×10^{-13}	0,000	Upregulated
5,612	7.978×10^{-13}	0,000	Downregulated
4,178	8.085×10^{-13}	0,000	Downregulated
3,136	8.238×10^{-13}	0,000	Upregulated
-0,309	8.262×10^{-13}	0,000	Upregulated
6,223	8.363×10^{-13}	0,000	Upregulated
3,879	8.391×10^{-13}	0,000	Upregulated
6,455	8.478×10^{-13}	0,000	Upregulated
0,471	8.794×10^{-13}	0,000	Downregulated

3,017	9.036×10^{-13}	0,000	Upregulated
3,287	9.363×10^{-13}	0,000	Downregulated
0,733	9.668×10^{-13}	0,000	Upregulated
5,189	9.895×10^{-13}	0,000	Upregulated
5,640	9.903×10^{-13}	0,000	Upregulated
4,078	1.009×10^{-12}	0,000	Upregulated
4,131	1.112×10^{-12}	0,000	Downregulated
2,274	1.143×10^{-12}	0,000	Upregulated
-3,176	1.178×10^{-12}	0,000	Downregulated
2,891	1.183×10^{-12}	0,000	Upregulated
-0,957	1.212×10^{-12}	0,000	Downregulated
5,517	1.277×10^{-12}	0,000	Upregulated
-0,657	1.310×10^{-12}	0,000	Upregulated
0,873	1.406×10^{-12}	0,000	Downregulated
5,926	1.422×10^{-12}	0,000	Upregulated
0,854	1.447×10^{-12}	0,000	Downregulated
6,423	1.451×10^{-12}	0,000	Upregulated
5,351	1.495×10^{-12}	0,000	Upregulated
-1,272	1.518×10^{-12}	0,000	Upregulated
3,190	1.600×10^{-12}	0,000	Downregulated
1,293	1.626×10^{-12}	0,000	Downregulated
5,567	1.662×10^{-12}	0,000	Upregulated
-4,225	1.688×10^{-12}	0,000	Downregulated
2,581	1.693×10^{-12}	0,000	Downregulated
0,396	1.724×10^{-12}	0,000	Downregulated
4,390	1.781×10^{-12}	0,000	Downregulated
2,226	1.800×10^{-12}	0,000	Upregulated
5,664	1.807×10^{-12}	0,000	Upregulated
7,282	1.834×10^{-12}	0,000	Upregulated
2,085	1.837×10^{-12}	0,000	Downregulated
1,808	1.895×10^{-12}	0,000	Downregulated
-1,816	1.907×10^{-12}	0,000	Downregulated
4,871	1.959×10^{-12}	0,000	Upregulated
-3,951	1.968×10^{-12}	0,000	Downregulated
0,836	2.062×10^{-12}	0,000	Downregulated
3,678	2.081×10^{-12}	0,000	Downregulated
8,191	2.104×10^{-12}	0,000	Upregulated
-0,929	2.221×10^{-12}	0,000	Upregulated
4,119	2.275×10^{-12}	0,000	Downregulated
2,274	2.297×10^{-12}	0,000	Downregulated
1,093	2.304×10^{-12}	0,000	Downregulated
7,138	2.332×10^{-12}	0,000	Upregulated
4,089	2.507×10^{-12}	0,000	Upregulated
4,305	2.625×10^{-12}	0,000	Upregulated
7,888	2.663×10^{-12}	0,000	Upregulated

2,847	2.681×10^{-12}	0,000	Upregulated
3,443	2.723×10^{-12}	0,000	Downregulated
5,988	2.735×10^{-12}	0,000	Upregulated
8,752	2.819×10^{-12}	0,000	Upregulated
3,505	2.917×10^{-12}	0,000	Downregulated
4,218	2.926×10^{-12}	0,000	Upregulated
5,167	3.011×10^{-12}	0,000	Upregulated
2,554	3.050×10^{-12}	0,000	Upregulated
2,515	3.192×10^{-12}	0,000	Upregulated
1,789	3.209×10^{-12}	0,000	Downregulated
2,796	3.267×10^{-12}	0,000	Upregulated
-4,329	3.275×10^{-12}	0,000	Downregulated
3,021	3.440×10^{-12}	0,000	Upregulated
6,920	3.458×10^{-12}	0,000	Downregulated
5,072	3.486×10^{-12}	0,000	Upregulated
4,932	3.544×10^{-12}	0,000	Upregulated
3,608	3.639×10^{-12}	0,000	Downregulated
3,205	3.651×10^{-12}	0,000	Downregulated
4,112	3.659×10^{-12}	0,000	Upregulated
3,422	3.669×10^{-12}	0,000	Downregulated
7,506	3.742×10^{-12}	0,000	Downregulated
3,138	3.954×10^{-12}	0,000	Upregulated
5,644	4.068×10^{-12}	0,000	Upregulated
-0,691	4.285×10^{-12}	0,000	Downregulated
2,583	4.345×10^{-12}	0,000	Upregulated
3,938	4.401×10^{-12}	0,000	Downregulated
-2,262	4.409×10^{-12}	0,000	Downregulated
6,669	4.752×10^{-12}	0,000	Upregulated
2,787	4.918×10^{-12}	0,000	Upregulated
1,978	5.407×10^{-12}	0,000	Downregulated
1,904	5.433×10^{-12}	0,000	Downregulated
0,834	5.557×10^{-12}	0,000	Downregulated
4,858	5.662×10^{-12}	0,000	Upregulated
1,854	5.823×10^{-12}	0,000	Downregulated
7,289	6.037×10^{-12}	0,000	Upregulated
2,458	6.163×10^{-12}	0,000	Downregulated
3,376	6.187×10^{-12}	0,000	Upregulated
6,047	6.242×10^{-12}	0,000	Upregulated
2,148	6.361×10^{-12}	0,000	Downregulated
5,245	6.456×10^{-12}	0,000	Downregulated
3,267	6.502×10^{-12}	0,000	Downregulated
-0,650	6.584×10^{-12}	0,000	Downregulated
8,041	6.595×10^{-12}	0,000	Upregulated
2,009	6.861×10^{-12}	0,000	Upregulated
5,802	6.929×10^{-12}	0,000	Upregulated

-1,334	7.379×10^{-12}	0,000	Downregulated
-3,419	7.491×10^{-12}	0,000	Downregulated
4,815	7.581×10^{-12}	0,000	Upregulated
4,498	7.834×10^{-12}	0,000	Upregulated
2,050	7.892×10^{-12}	0,000	Downregulated
1,482	8.413×10^{-12}	0,000	Downregulated
4,215	8.498×10^{-12}	0,000	Upregulated
-0,931	8.544×10^{-12}	0,000	Downregulated
6,630	8.586×10^{-12}	0,000	Upregulated
6,339	8.723×10^{-12}	0,000	Upregulated
7,836	8.822×10^{-12}	0,000	Upregulated
-2,612	9.188×10^{-12}	0,000	Downregulated
5,405	9.646×10^{-12}	0,000	Upregulated
4,192	9.691×10^{-12}	0,000	Upregulated
0,657	9.929×10^{-12}	0,000	Upregulated
6,881	1.050×10^{-11}	0,000	Upregulated
2,627	1.076×10^{-11}	0,000	Upregulated
4,290	1.078×10^{-11}	0,000	Downregulated
3,587	1.088×10^{-11}	0,000	Downregulated
-1,685	1.098×10^{-11}	0,000	Downregulated
5,154	1.127×10^{-11}	0,000	Downregulated
-1,425	1.134×10^{-11}	0,000	Downregulated
5,848	1.137×10^{-11}	0,000	Downregulated
5,658	1.145×10^{-11}	0,000	Upregulated
2,805	1.193×10^{-11}	0,000	Downregulated
1,251	1.211×10^{-11}	0,000	Downregulated
6,174	1.213×10^{-11}	0,000	Upregulated
2,926	1.221×10^{-11}	0,000	Downregulated
7,338	1.242×10^{-11}	0,000	Downregulated
-4,232	1.324×10^{-11}	0,000	Downregulated
-2,278	1.337×10^{-11}	0,000	Downregulated
8,731	1.430×10^{-11}	0,000	Upregulated
-1,700	1.447×10^{-11}	0,000	Downregulated
6,224	1.459×10^{-11}	0,000	Upregulated
3,777	1.496×10^{-11}	0,000	Upregulated
3,838	1.543×10^{-11}	0,000	Upregulated
7,081	1.567×10^{-11}	0,000	Upregulated
4,325	1.569×10^{-11}	0,000	Downregulated
-0,682	1.661×10^{-11}	0,000	Downregulated
4,804	1.670×10^{-11}	0,000	Upregulated
4,811	1.670×10^{-11}	0,000	Upregulated
-1,145	1.719×10^{-11}	0,000	Downregulated
6,678	1.727×10^{-11}	0,000	Upregulated
4,719	1.742×10^{-11}	0,000	Upregulated
2,568	1.757×10^{-11}	0,000	Upregulated

5,354	1.764×10^{-11}	0,000	Upregulated
3,002	1.772×10^{-11}	0,000	Downregulated
9,415	1.919×10^{-11}	0,000	Upregulated
1,199	1.932×10^{-11}	0,000	Upregulated
-0,059	1.955×10^{-11}	0,000	Upregulated
4,226	2.077×10^{-11}	0,000	Upregulated
0,249	2.105×10^{-11}	0,000	Downregulated
1,061	2.141×10^{-11}	0,000	Downregulated
-1,234	2.201×10^{-11}	0,000	Downregulated
3,403	2.291×10^{-11}	0,000	Upregulated
5,110	2.311×10^{-11}	0,000	Upregulated
0,121	2.323×10^{-11}	0,000	Downregulated
3,366	2.365×10^{-11}	0,000	Downregulated
7,508	2.390×10^{-11}	0,000	Upregulated
4,068	2.423×10^{-11}	0,000	Upregulated
6,034	2.426×10^{-11}	0,000	Upregulated
0,720	2.518×10^{-11}	0,000	Downregulated
-1,581	2.592×10^{-11}	0,000	Upregulated
6,911	2.604×10^{-11}	0,000	Upregulated
-1,317	2.617×10^{-11}	0,000	Downregulated
0,797	2.655×10^{-11}	0,000	Downregulated
2,430	2.693×10^{-11}	0,000	Downregulated
4,921	2.762×10^{-11}	0,000	Upregulated
2,977	2.772×10^{-11}	0,000	Downregulated
7,889	2.828×10^{-11}	0,000	Upregulated
2,340	2.959×10^{-11}	0,000	Upregulated
7,599	2.964×10^{-11}	0,000	Upregulated
1,691	3.041×10^{-11}	0,000	Upregulated
4,025	3.116×10^{-11}	0,000	Upregulated
3,381	3.150×10^{-11}	0,000	Downregulated
3,669	3.167×10^{-11}	0,000	Downregulated
-0,695	3.223×10^{-11}	0,000	Downregulated
4,379	3.246×10^{-11}	0,000	Downregulated
10,090	3.276×10^{-11}	0,000	Upregulated
2,056	3.278×10^{-11}	0,000	Downregulated
5,890	3.340×10^{-11}	0,000	Upregulated
-0,930	3.631×10^{-11}	0,000	Downregulated
6,496	3.710×10^{-11}	0,000	Upregulated
7,334	3.722×10^{-11}	0,000	Upregulated
-3,056	3.783×10^{-11}	0,000	Downregulated
-2,736	3.842×10^{-11}	0,000	Downregulated
2,357	3.978×10^{-11}	0,000	Downregulated
-1,069	4.028×10^{-11}	0,000	Downregulated
8,462	4.249×10^{-11}	0,000	Upregulated
2,771	4.271×10^{-11}	0,000	Upregulated

7,641	4.485×10^{-11}	0,000	Upregulated
7,539	4.570×10^{-11}	0,000	Upregulated
8,027	4.761×10^{-11}	0,000	Upregulated
3,124	4.835×10^{-11}	0,000	Upregulated
0,926	4.846×10^{-11}	0,000	Downregulated
-0,223	4.873×10^{-11}	0,000	Upregulated
2,941	4.969×10^{-11}	0,000	Upregulated
0,903	4.992×10^{-11}	0,000	Downregulated
-2,140	5.021×10^{-11}	0,000	Downregulated
6,646	5.252×10^{-11}	0,000	Upregulated
3,815	5.344×10^{-11}	0,000	Downregulated
2,487	5.403×10^{-11}	0,000	Upregulated
3,601	5.453×10^{-11}	0,000	Downregulated
1,226	5.492×10^{-11}	0,000	Downregulated
3,837	5.626×10^{-11}	0,000	Downregulated
-0,278	5.645×10^{-11}	0,000	Upregulated
5,429	5.766×10^{-11}	0,000	Upregulated
-1,075	5.845×10^{-11}	0,000	Downregulated
3,661	5.857×10^{-11}	0,000	Upregulated
4,893	5.858×10^{-11}	0,000	Upregulated
6,477	5.867×10^{-11}	0,000	Upregulated
-0,789	5.956×10^{-11}	0,000	Downregulated
7,203	5.987×10^{-11}	0,000	Upregulated
-1,856	6.448×10^{-11}	0,000	Upregulated
-4,061	6.519×10^{-11}	0,000	Downregulated
5,512	6.731×10^{-11}	0,000	Upregulated
-3,923	6.830×10^{-11}	0,000	Downregulated
4,987	7.192×10^{-11}	0,000	Downregulated
1,868	7.195×10^{-11}	0,000	Upregulated
-0,520	7.475×10^{-11}	0,000	Downregulated
2,602	7.569×10^{-11}	0,000	Downregulated
0,633	7.590×10^{-11}	0,000	Downregulated
6,115	7.625×10^{-11}	0,000	Downregulated
0,833	7.659×10^{-11}	0,000	Upregulated
4,165	7.664×10^{-11}	0,000	Downregulated
5,165	7.671×10^{-11}	0,000	Upregulated
3,868	7.899×10^{-11}	0,000	Upregulated
3,322	8.048×10^{-11}	0,000	Downregulated
0,802	8.098×10^{-11}	0,000	Downregulated
-4,516	8.225×10^{-11}	0,000	Downregulated
4,505	8.305×10^{-11}	0,000	Downregulated
4,369	8.516×10^{-11}	0,000	Upregulated
0,190	8.576×10^{-11}	0,000	Upregulated
-0,231	8.679×10^{-11}	0,000	Downregulated
-2,497	8.737×10^{-11}	0,000	Downregulated

-0,964	8.800×10^{-11}	0,000	Downregulated
0,114	8.809×10^{-11}	0,000	Downregulated
1,541	9.017×10^{-11}	0,000	Upregulated
6,072	9.154×10^{-11}	0,000	Upregulated
0,496	9.444×10^{-11}	0,000	Downregulated
7,531	9.829×10^{-11}	0,000	Upregulated
7,206	1.002×10^{-10}	0,000	Upregulated
5,045	1.042×10^{-10}	0,000	Upregulated
2,921	1.052×10^{-10}	0,000	Downregulated
7,950	1.054×10^{-10}	0,000	Upregulated
7,732	1.071×10^{-10}	0,000	Upregulated
4,315	1.071×10^{-10}	0,000	Downregulated
3,589	1.095×10^{-10}	0,000	Upregulated
-1,885	1.098×10^{-10}	0,000	Downregulated
4,111	1.108×10^{-10}	0,000	Upregulated
-2,307	1.129×10^{-10}	0,000	Downregulated
4,430	1.299×10^{-10}	0,000	Downregulated
7,065	1.313×10^{-10}	0,000	Upregulated
2,479	1.328×10^{-10}	0,000	Upregulated
2,806	1.374×10^{-10}	0,000	Upregulated
4,039	1.380×10^{-10}	0,000	Upregulated
2,332	1.397×10^{-10}	0,000	Upregulated
5,303	1.403×10^{-10}	0,000	Upregulated
-4,536	1.430×10^{-10}	0,000	Downregulated
-0,786	1.507×10^{-10}	0,000	Downregulated
8,007	1.510×10^{-10}	0,000	Downregulated
4,132	1.543×10^{-10}	0,000	Downregulated
-1,263	1.543×10^{-10}	0,000	Downregulated
0,062	1.689×10^{-10}	0,000	Downregulated
2,433	1.701×10^{-10}	0,000	Upregulated
6,058	1.777×10^{-10}	0,000	Downregulated
6,280	1.842×10^{-10}	0,000	Upregulated
4,014	1.843×10^{-10}	0,000	Upregulated
1,846	1.893×10^{-10}	0,000	Downregulated
-0,696	1.916×10^{-10}	0,000	Upregulated
-3,250	1.921×10^{-10}	0,000	Downregulated
-3,169	1.945×10^{-10}	0,000	Downregulated
0,180	1.952×10^{-10}	0,000	Downregulated
0,456	1.956×10^{-10}	0,000	Downregulated
5,317	1.991×10^{-10}	0,000	Upregulated
1,443	2.052×10^{-10}	0,000	Downregulated
-1,256	2.063×10^{-10}	0,000	Downregulated
4,469	2.079×10^{-10}	0,000	Upregulated
7,386	2.110×10^{-10}	0,000	Upregulated
1,536	2.169×10^{-10}	0,000	Downregulated

3,910	2.181×10^{-10}	0,000	Downregulated
5,547	2.211×10^{-10}	0,000	Upregulated
2,416	2.242×10^{-10}	0,000	Upregulated
3,087	2.260×10^{-10}	0,000	Downregulated
10,284	2.359×10^{-10}	0,000	Upregulated
5,670	2.379×10^{-10}	0,000	Upregulated
1,826	2.428×10^{-10}	0,000	Downregulated
3,075	2.473×10^{-10}	0,000	Downregulated
2,916	2.579×10^{-10}	0,000	Upregulated
2,192	2.591×10^{-10}	0,000	Downregulated
-1,544	2.628×10^{-10}	0,000	Downregulated
6,400	2.693×10^{-10}	0,000	Upregulated
2,527	2.751×10^{-10}	0,000	Downregulated
0,532	2.811×10^{-10}	0,000	Upregulated
1,431	2.840×10^{-10}	0,000	Upregulated
7,179	3.061×10^{-10}	0,000	Upregulated
1,287	3.190×10^{-10}	0,000	Downregulated
1,408	3.204×10^{-10}	0,000	Upregulated
5,113	3.291×10^{-10}	0,000	Upregulated
3,715	3.299×10^{-10}	0,000	Downregulated
-1,925	3.380×10^{-10}	0,000	Downregulated
3,242	3.591×10^{-10}	0,000	Downregulated
2,446	3.659×10^{-10}	0,000	Upregulated
-0,911	3.734×10^{-10}	0,000	Downregulated
3,148	3.808×10^{-10}	0,000	Upregulated
7,265	3.929×10^{-10}	0,000	Upregulated
1,424	4.115×10^{-10}	0,000	Downregulated
1,782	4.163×10^{-10}	0,000	Upregulated
6,078	4.172×10^{-10}	0,000	Upregulated
6,097	4.217×10^{-10}	0,000	Upregulated
0,985	4.273×10^{-10}	0,000	Downregulated
5,719	4.278×10^{-10}	0,000	Upregulated
2,651	4.298×10^{-10}	0,000	Downregulated
-0,477	4.316×10^{-10}	0,000	Downregulated
6,938	4.353×10^{-10}	0,000	Downregulated
4,009	4.432×10^{-10}	0,000	Upregulated
5,054	4.873×10^{-10}	0,000	Upregulated
1,296	4.877×10^{-10}	0,000	Upregulated
2,984	4.951×10^{-10}	0,000	Downregulated
6,048	5.032×10^{-10}	0,000	Upregulated
4,511	5.216×10^{-10}	0,000	Downregulated
1,378	5.320×10^{-10}	0,000	Downregulated
-1,664	5.369×10^{-10}	0,000	Upregulated
4,900	5.494×10^{-10}	0,000	Downregulated
1,522	5.522×10^{-10}	0,000	Downregulated

4,774	5.587×10^{-10}	0,000	Upregulated
5,488	5.607×10^{-10}	0,000	Upregulated
4,654	5.637×10^{-10}	0,000	Upregulated
2,123	5.677×10^{-10}	0,000	Upregulated
-0,925	5.718×10^{-10}	0,000	Upregulated
-0,487	5.734×10^{-10}	0,000	Upregulated
-2,551	5.772×10^{-10}	0,000	Downregulated
3,925	5.867×10^{-10}	0,000	Upregulated
4,896	5.913×10^{-10}	0,000	Downregulated
4,052	6.486×10^{-10}	0,000	Upregulated
1,863	6.524×10^{-10}	0,000	Downregulated
-1,830	6.674×10^{-10}	0,000	Downregulated
7,801	7.005×10^{-10}	0,000	Upregulated
-4,600	7.160×10^{-10}	0,000	Downregulated
5,473	7.228×10^{-10}	0,000	Upregulated
1,109	7.245×10^{-10}	0,000	Downregulated
5,550	7.280×10^{-10}	0,000	Downregulated
7,268	7.408×10^{-10}	0,000	Upregulated
5,306	8.005×10^{-10}	0,000	Upregulated
4,280	8.124×10^{-10}	0,000	Upregulated
5,177	8.126×10^{-10}	0,000	Upregulated
4,786	8.417×10^{-10}	0,000	Upregulated
-4,229	8.644×10^{-10}	0,000	Downregulated
-2,491	9.026×10^{-10}	0,000	Downregulated
-4,205	9.040×10^{-10}	0,000	Downregulated
4,533	9.071×10^{-10}	0,000	Upregulated
5,782	9.078×10^{-10}	0,000	Upregulated
-0,332	9.153×10^{-10}	0,000	Downregulated
-0,271	9.176×10^{-10}	0,000	Downregulated
-1,614	9.321×10^{-10}	0,000	Downregulated
-0,600	9.968×10^{-10}	0,000	Downregulated
2,149	1.023×10^{-9}	0,000	Downregulated
-2,161	1.025×10^{-9}	0,000	Downregulated
0,753	1.072×10^{-9}	0,000	Upregulated
-3,480	1.085×10^{-9}	0,000	Downregulated
3,975	1.112×10^{-9}	0,000	Downregulated
1,528	1.118×10^{-9}	0,000	Upregulated
-1,097	1.156×10^{-9}	0,000	Downregulated
-1,123	1.160×10^{-9}	0,000	Downregulated
3,162	1.186×10^{-9}	0,000	Downregulated
1,678	1.210×10^{-9}	0,000	Downregulated
5,394	1.229×10^{-9}	0,000	Upregulated
-0,615	1.242×10^{-9}	0,000	Downregulated
4,519	1.362×10^{-9}	0,000	Downregulated
1,114	1.381×10^{-9}	0,000	Upregulated

-5,012	1.402×10^{-9}	0,000	Downregulated
5,620	1.421×10^{-9}	0,000	Upregulated
5,771	1.476×10^{-9}	0,000	Upregulated
6,251	1.484×10^{-9}	0,000	Upregulated
3,387	1.499×10^{-9}	0,000	Upregulated
-2,669	1.512×10^{-9}	0,000	Downregulated
0,276	1.532×10^{-9}	0,000	Upregulated
1,988	1.608×10^{-9}	0,000	Downregulated
8,431	1.621×10^{-9}	0,000	Upregulated
3,037	1.650×10^{-9}	0,000	Upregulated
3,137	1.654×10^{-9}	0,000	Downregulated
2,882	1.671×10^{-9}	0,000	Downregulated
2,116	1.730×10^{-9}	0,000	Downregulated
2,514	1.741×10^{-9}	0,000	Upregulated
4,880	1.745×10^{-9}	0,000	Downregulated
3,285	1.751×10^{-9}	0,000	Upregulated
3,803	1.818×10^{-9}	0,000	Upregulated
0,416	1.819×10^{-9}	0,000	Downregulated
3,930	1.848×10^{-9}	0,000	Downregulated
5,721	1.881×10^{-9}	0,000	Downregulated
2,746	1.907×10^{-9}	0,000	Downregulated
1,779	1.931×10^{-9}	0,000	Upregulated
1,584	1.946×10^{-9}	0,000	Upregulated
2,047	1.963×10^{-9}	0,000	Downregulated
-4,023	1.973×10^{-9}	0,000	Downregulated
1,702	1.979×10^{-9}	0,000	Upregulated
4,255	2.015×10^{-9}	0,000	Upregulated
6,314	2.022×10^{-9}	0,000	Upregulated
-4,348	2.055×10^{-9}	0,000	Downregulated
-3,295	2.090×10^{-9}	0,000	Downregulated
2,955	2.116×10^{-9}	0,000	Downregulated
5,521	2.207×10^{-9}	0,000	Downregulated
4,315	2.239×10^{-9}	0,000	Upregulated
8,443	2.254×10^{-9}	0,000	Upregulated
4,916	2.348×10^{-9}	0,000	Upregulated
1,825	2.349×10^{-9}	0,000	Downregulated
-2,232	2.407×10^{-9}	0,000	Downregulated
5,583	2.413×10^{-9}	0,000	Upregulated
5,029	2.416×10^{-9}	0,000	Upregulated
2,504	2.417×10^{-9}	0,000	Upregulated
2,898	2.476×10^{-9}	0,000	Downregulated
1,708	2.566×10^{-9}	0,000	Downregulated
4,467	2.572×10^{-9}	0,000	Upregulated
6,010	2.600×10^{-9}	0,000	Upregulated
6,006	2.700×10^{-9}	0,000	Upregulated

0,265	2.720×10^{-9}	0,000	Upregulated
5,453	2.745×10^{-9}	0,000	Upregulated
-4,375	2.787×10^{-9}	0,000	Downregulated
8,235	2.861×10^{-9}	0,000	Upregulated
0,485	2.888×10^{-9}	0,000	Downregulated
2,558	2.933×10^{-9}	0,000	Upregulated
1,883	3.125×10^{-9}	0,000	Downregulated
0,724	3.288×10^{-9}	0,000	Downregulated
5,008	3.453×10^{-9}	0,000	Downregulated
4,403	3.466×10^{-9}	0,000	Downregulated
4,314	3.602×10^{-9}	0,000	Upregulated
7,441	3.774×10^{-9}	0,000	Upregulated
2,898	4.160×10^{-9}	0,000	Downregulated
-1,785	4.246×10^{-9}	0,000	Upregulated
2,484	4.253×10^{-9}	0,000	Downregulated
3,634	4.511×10^{-9}	0,000	Downregulated
3,607	4.528×10^{-9}	0,000	Upregulated
2,210	4.616×10^{-9}	0,000	Downregulated
1,628	4.660×10^{-9}	0,000	Downregulated
-2,577	4.700×10^{-9}	0,000	Downregulated
-0,878	4.708×10^{-9}	0,000	Downregulated
0,272	4.877×10^{-9}	0,000	Upregulated
2,379	4.985×10^{-9}	0,000	Upregulated
0,958	5.079×10^{-9}	0,000	Upregulated
4,938	5.119×10^{-9}	0,000	Downregulated
4,209	5.158×10^{-9}	0,000	Downregulated
-2,134	5.274×10^{-9}	0,000	Downregulated
3,562	5.283×10^{-9}	0,000	Downregulated
-2,459	5.474×10^{-9}	0,000	Downregulated
1,765	5.691×10^{-9}	0,000	Downregulated
1,846	5.772×10^{-9}	0,000	Upregulated
2,959	5.795×10^{-9}	0,000	Downregulated
5,452	5.802×10^{-9}	0,000	Downregulated
4,505	5.808×10^{-9}	0,000	Downregulated
0,202	5.983×10^{-9}	0,000	Downregulated
-2,021	6.192×10^{-9}	0,000	Downregulated
-0,746	6.303×10^{-9}	0,000	Upregulated
3,808	6.325×10^{-9}	0,000	Upregulated
-3,548	6.361×10^{-9}	0,000	Downregulated
7,841	6.587×10^{-9}	0,000	Upregulated
5,824	6.608×10^{-9}	0,000	Upregulated
2,928	6.692×10^{-9}	0,000	Upregulated
5,519	6.735×10^{-9}	0,000	Upregulated
5,797	6.778×10^{-9}	0,000	Upregulated
5,734	6.821×10^{-9}	0,000	Upregulated

-0,517	6.850×10^{-9}	0,000	Downregulated
5,730	7.095×10^{-9}	0,000	Downregulated
6,675	7.118×10^{-9}	0,000	Downregulated
-0,250	7.223×10^{-9}	0,000	Downregulated
3,826	7.335×10^{-9}	0,000	Downregulated
3,537	7.487×10^{-9}	0,000	Upregulated
3,599	7.570×10^{-9}	0,000	Upregulated
-2,309	7.593×10^{-9}	0,000	Downregulated
4,436	7.730×10^{-9}	0,000	Downregulated
-3,901	7.850×10^{-9}	0,000	Downregulated
8,151	7.994×10^{-9}	0,000	Upregulated
4,703	8.019×10^{-9}	0,000	Upregulated
5,130	8.139×10^{-9}	0,000	Upregulated
6,123	8.159×10^{-9}	0,000	Upregulated
0,769	8.303×10^{-9}	0,000	Downregulated
4,861	8.345×10^{-9}	0,000	Downregulated
3,635	8.392×10^{-9}	0,000	Upregulated
1,607	8.438×10^{-9}	0,000	Downregulated
-3,232	8.536×10^{-9}	0,000	Downregulated
8,485	8.650×10^{-9}	0,000	Downregulated
4,143	8.663×10^{-9}	0,000	Upregulated
4,554	8.721×10^{-9}	0,000	Upregulated
2,128	8.766×10^{-9}	0,000	Upregulated
4,870	8.826×10^{-9}	0,000	Upregulated
-2,868	8.922×10^{-9}	0,000	Downregulated
8,638	9.006×10^{-9}	0,000	Upregulated
7,519	9.395×10^{-9}	0,000	Upregulated
2,361	9.422×10^{-9}	0,000	Upregulated
2,620	9.445×10^{-9}	0,000	Upregulated
6,596	9.767×10^{-9}	0,000	Upregulated
6,521	9.775×10^{-9}	0,000	Upregulated
4,559	9.784×10^{-9}	0,000	Downregulated
1,498	9.843×10^{-9}	0,000	Downregulated
-4,419	9.904×10^{-9}	0,000	Downregulated
2,195	9.963×10^{-9}	0,000	Downregulated
4,050	1.025×10^{-8}	0,000	Downregulated
-2,257	1.056×10^{-8}	0,000	Downregulated
4,906	1.064×10^{-8}	0,000	Upregulated
7,228	1.092×10^{-8}	0,000	Upregulated
6,628	1.096×10^{-8}	0,000	Upregulated
-1,954	1.136×10^{-8}	0,000	Upregulated
2,144	1.151×10^{-8}	0,000	Upregulated
-1,759	1.156×10^{-8}	0,000	Upregulated
2,444	1.177×10^{-8}	0,000	Downregulated
-0,598	1.182×10^{-8}	0,000	Upregulated

-1,532	1.183×10^{-8}	0,000	Downregulated
8,978	1.207×10^{-8}	0,000	Upregulated
-2,408	1.254×10^{-8}	0,000	Downregulated
2,607	1.267×10^{-8}	0,000	Upregulated
-2,808	1.276×10^{-8}	0,000	Downregulated
-1,062	1.277×10^{-8}	0,000	Upregulated
6,928	1.291×10^{-8}	0,000	Upregulated
-5,167	1.300×10^{-8}	0,000	Downregulated
0,138	1.313×10^{-8}	0,000	Upregulated
4,247	1.319×10^{-8}	0,000	Upregulated
1,577	1.328×10^{-8}	0,000	Upregulated
8,101	1.333×10^{-8}	0,000	Upregulated
1,282	1.371×10^{-8}	0,000	Downregulated
-3,162	1.392×10^{-8}	0,000	Downregulated
2,232	1.444×10^{-8}	0,000	Upregulated
7,639	1.453×10^{-8}	0,000	Upregulated
2,857	1.466×10^{-8}	0,000	Upregulated
3,104	1.472×10^{-8}	0,000	Downregulated
1,378	1.493×10^{-8}	0,000	Upregulated
1,419	1.500×10^{-8}	0,000	Upregulated
5,294	1.508×10^{-8}	0,000	Upregulated
1,587	1.538×10^{-8}	0,000	Downregulated
2,860	1.574×10^{-8}	0,000	Upregulated
-3,788	1.590×10^{-8}	0,000	Downregulated
3,833	1.644×10^{-8}	0,000	Upregulated
4,025	1.715×10^{-8}	0,000	Upregulated
3,532	1.757×10^{-8}	0,000	Upregulated
0,998	1.771×10^{-8}	0,000	Upregulated
3,547	1.802×10^{-8}	0,000	Downregulated
-4,036	1.824×10^{-8}	0,000	Downregulated
3,573	1.866×10^{-8}	0,000	Upregulated
-2,342	1.882×10^{-8}	0,000	Upregulated
2,783	1.914×10^{-8}	0,000	Upregulated
5,255	1.928×10^{-8}	0,000	Upregulated
-4,994	1.938×10^{-8}	0,000	Downregulated
0,284	1.972×10^{-8}	0,000	Downregulated
-2,966	2.021×10^{-8}	0,000	Downregulated
3,828	2.030×10^{-8}	0,000	Upregulated
0,241	2.038×10^{-8}	0,000	Upregulated
-4,276	2.051×10^{-8}	0,000	Downregulated
4,766	2.080×10^{-8}	0,000	Upregulated
5,633	2.117×10^{-8}	0,000	Upregulated
-4,071	2.190×10^{-8}	0,000	Downregulated
-1,124	2.227×10^{-8}	0,000	Downregulated
-0,231	2.258×10^{-8}	0,000	Upregulated

0,082	2.270×10^{-8}	0,000	Downregulated
3,559	2.292×10^{-8}	0,000	Downregulated
-0,818	2.309×10^{-8}	0,000	Upregulated
1,729	2.330×10^{-8}	0,000	Downregulated
-3,544	2.385×10^{-8}	0,000	Downregulated
5,143	2.409×10^{-8}	0,000	Upregulated
1,373	2.455×10^{-8}	0,000	Upregulated
-0,230	2.464×10^{-8}	0,000	Upregulated
1,643	2.487×10^{-8}	0,000	Downregulated
5,868	2.541×10^{-8}	0,000	Upregulated
-4,544	2.600×10^{-8}	0,000	Downregulated
3,232	2.667×10^{-8}	0,000	Upregulated
-4,327	2.694×10^{-8}	0,000	Downregulated
3,988	2.739×10^{-8}	0,000	Upregulated
5,230	2.751×10^{-8}	0,000	Upregulated
8,203	2.778×10^{-8}	0,000	Upregulated
6,012	2.886×10^{-8}	0,000	Upregulated
6,817	2.913×10^{-8}	0,000	Upregulated
-3,912	2.929×10^{-8}	0,000	Downregulated
7,179	3.041×10^{-8}	0,000	Upregulated
6,250	3.048×10^{-8}	0,000	Upregulated
0,482	3.070×10^{-8}	0,000	Upregulated
3,847	3.144×10^{-8}	0,000	Downregulated
2,039	3.172×10^{-8}	0,000	Downregulated
5,741	3.217×10^{-8}	0,000	Upregulated
-3,651	3.304×10^{-8}	0,000	Downregulated
3,072	3.336×10^{-8}	0,000	Upregulated
1,085	3.527×10^{-8}	0,000	Upregulated
0,902	3.580×10^{-8}	0,000	Downregulated
3,310	3.666×10^{-8}	0,000	Downregulated
3,972	3.680×10^{-8}	0,000	Upregulated
6,023	3.745×10^{-8}	0,000	Upregulated
-2,148	3.822×10^{-8}	0,000	Downregulated
-0,809	3.917×10^{-8}	0,000	Upregulated
2,288	3.957×10^{-8}	0,000	Upregulated
8,897	3.982×10^{-8}	0,000	Upregulated
0,444	4.024×10^{-8}	0,000	Downregulated
5,487	4.091×10^{-8}	0,000	Upregulated
-3,489	4.095×10^{-8}	0,000	Downregulated
-0,937	4.108×10^{-8}	0,000	Upregulated
-2,458	4.113×10^{-8}	0,000	Downregulated
-1,270	4.122×10^{-8}	0,000	Downregulated
0,443	4.187×10^{-8}	0,000	Downregulated
3,169	4.260×10^{-8}	0,000	Upregulated
1,775	4.261×10^{-8}	0,000	Upregulated

-4,801	4.298×10^{-8}	0,000	Downregulated
-1,846	4.327×10^{-8}	0,000	Downregulated
-0,267	4.347×10^{-8}	0,000	Downregulated
-0,717	4.384×10^{-8}	0,000	Downregulated
1,829	4.385×10^{-8}	0,000	Upregulated
1,072	4.394×10^{-8}	0,000	Upregulated
0,603	4.403×10^{-8}	0,000	Upregulated
-4,908	4.528×10^{-8}	0,000	Downregulated
5,850	4.565×10^{-8}	0,000	Upregulated
5,277	4.568×10^{-8}	0,000	Upregulated
-1,189	4.596×10^{-8}	0,000	Downregulated
2,546	4.614×10^{-8}	0,000	Downregulated
4,499	4.617×10^{-8}	0,000	Upregulated
-3,854	4.624×10^{-8}	0,000	Downregulated
1,912	4.652×10^{-8}	0,000	Upregulated
-4,299	4.654×10^{-8}	0,000	Downregulated
4,577	4.694×10^{-8}	0,000	Downregulated
2,874	4.704×10^{-8}	0,000	Upregulated
1,379	4.912×10^{-8}	0,000	Downregulated
9,051	5.019×10^{-8}	0,000	Upregulated
-4,383	5.150×10^{-8}	0,000	Downregulated
6,629	5.169×10^{-8}	0,000	Upregulated
3,838	5.240×10^{-8}	0,000	Downregulated
6,667	5.394×10^{-8}	0,000	Downregulated
5,540	5.470×10^{-8}	0,000	Upregulated
5,796	5.540×10^{-8}	0,000	Upregulated
8,637	5.736×10^{-8}	0,000	Downregulated
3,168	5.738×10^{-8}	0,000	Upregulated
-1,052	5.825×10^{-8}	0,000	Upregulated
6,883	6.122×10^{-8}	0,000	Upregulated
2,880	6.342×10^{-8}	0,000	Upregulated
6,798	6.382×10^{-8}	0,000	Upregulated
0,634	6.409×10^{-8}	0,000	Upregulated
1,938	6.567×10^{-8}	0,000	Downregulated
3,878	6.597×10^{-8}	0,000	Upregulated
-1,219	6.650×10^{-8}	0,000	Downregulated
-3,477	6.654×10^{-8}	0,000	Downregulated
5,359	6.819×10^{-8}	0,000	Upregulated
5,028	6.843×10^{-8}	0,000	Upregulated
-2,449	7.042×10^{-8}	0,000	Downregulated
1,061	7.063×10^{-8}	0,000	Downregulated
6,645	7.085×10^{-8}	0,000	Upregulated
-0,852	7.087×10^{-8}	0,000	Downregulated
3,290	7.141×10^{-8}	0,000	Upregulated
4,742	7.196×10^{-8}	0,000	Upregulated

4,323	7.212×10^{-8}	0,000	Upregulated
1,427	7.295×10^{-8}	0,000	Downregulated
1,678	7.299×10^{-8}	0,000	Downregulated
3,332	7.312×10^{-8}	0,000	Downregulated
-0,107	7.424×10^{-8}	0,000	Downregulated
1,804	7.457×10^{-8}	0,000	Upregulated
5,851	7.712×10^{-8}	0,000	Upregulated
-4,580	7.825×10^{-8}	0,000	Downregulated
3,750	7.954×10^{-8}	0,000	Downregulated
4,830	8.008×10^{-8}	0,000	Upregulated
-3,888	8.270×10^{-8}	0,000	Downregulated
4,431	8.329×10^{-8}	0,000	Upregulated
3,472	8.429×10^{-8}	0,000	Downregulated
2,502	8.439×10^{-8}	0,000	Upregulated
7,642	8.739×10^{-8}	0,000	Upregulated
4,007	8.856×10^{-8}	0,000	Downregulated
-5,036	8.857×10^{-8}	0,000	Downregulated
1,650	8.875×10^{-8}	0,000	Upregulated
4,834	8.987×10^{-8}	0,000	Upregulated
2,702	9.525×10^{-8}	0,000	Upregulated
-1,525	9.774×10^{-8}	0,000	Downregulated
3,825	9.902×10^{-8}	0,000	Upregulated
-4,021	9.923×10^{-8}	0,000	Downregulated
2,371	1.002×10^{-7}	0,000	Downregulated
4,550	1.012×10^{-7}	0,000	Upregulated
4,507	1.020×10^{-7}	0,000	Downregulated
3,005	1.021×10^{-7}	0,000	Upregulated
2,524	1.037×10^{-7}	0,000	Upregulated
3,919	1.098×10^{-7}	0,000	Upregulated
-0,572	1.106×10^{-7}	0,000	Upregulated
1,851	1.146×10^{-7}	0,000	Upregulated
2,056	1.179×10^{-7}	0,000	Upregulated
-0,167	1.238×10^{-7}	0,000	Downregulated
-2,912	1.238×10^{-7}	0,000	Downregulated
1,408	1.257×10^{-7}	0,000	Downregulated
8,539	1.258×10^{-7}	0,000	Upregulated
4,166	1.300×10^{-7}	0,000	Upregulated
-4,613	1.325×10^{-7}	0,000	Downregulated
2,698	1.349×10^{-7}	0,000	Upregulated
1,285	1.385×10^{-7}	0,000	Upregulated
-4,533	1.387×10^{-7}	0,000	Downregulated
3,311	1.421×10^{-7}	0,000	Upregulated
1,543	1.430×10^{-7}	0,000	Downregulated
4,547	1.437×10^{-7}	0,000	Upregulated
-1,265	1.457×10^{-7}	0,000	Downregulated

1,406	1.470×10^{-7}	0,000	Upregulated
8,777	1.490×10^{-7}	0,000	Upregulated
7,608	1.494×10^{-7}	0,000	Upregulated
3,107	1.511×10^{-7}	0,000	Upregulated
2,479	1.540×10^{-7}	0,000	Upregulated
0,783	1.552×10^{-7}	0,000	Downregulated
0,546	1.571×10^{-7}	0,000	Upregulated
-0,248	1.582×10^{-7}	0,000	Upregulated
-4,207	1.583×10^{-7}	0,000	Downregulated
-3,329	1.587×10^{-7}	0,000	Downregulated
-3,478	1.599×10^{-7}	0,000	Downregulated
-1,769	1.627×10^{-7}	0,000	Downregulated
8,329	1.654×10^{-7}	0,000	Upregulated
4,798	1.693×10^{-7}	0,000	Downregulated
2,687	1.766×10^{-7}	0,000	Downregulated
-0,685	1.787×10^{-7}	0,000	Downregulated
1,648	1.812×10^{-7}	0,000	Downregulated
0,243	1.852×10^{-7}	0,000	Upregulated
3,636	1.920×10^{-7}	0,000	Upregulated
6,659	1.948×10^{-7}	0,000	Upregulated
0,491	1.978×10^{-7}	0,000	Downregulated
4,447	1.981×10^{-7}	0,000	Upregulated
-4,300	2.068×10^{-7}	0,000	Downregulated
8,100	2.114×10^{-7}	0,000	Upregulated
1,360	2.151×10^{-7}	0,000	Downregulated
2,533	2.211×10^{-7}	0,000	Downregulated
1,003	2.224×10^{-7}	0,000	Upregulated
0,473	2.249×10^{-7}	0,000	Upregulated
4,674	2.286×10^{-7}	0,000	Upregulated
5,131	2.357×10^{-7}	0,000	Upregulated
4,979	2.432×10^{-7}	0,000	Upregulated
3,461	2.531×10^{-7}	0,000	Upregulated
3,088	2.536×10^{-7}	0,000	Upregulated
2,108	2.539×10^{-7}	0,000	Downregulated
-3,136	2.541×10^{-7}	0,000	Downregulated
8,753	2.562×10^{-7}	0,000	Upregulated
0,697	2.627×10^{-7}	0,000	Upregulated
4,907	2.654×10^{-7}	0,000	Upregulated
1,788	2.660×10^{-7}	0,000	Downregulated
3,134	2.694×10^{-7}	0,000	Upregulated
1,345	2.701×10^{-7}	0,000	Downregulated
5,611	2.745×10^{-7}	0,000	Upregulated
1,765	2.806×10^{-7}	0,000	Downregulated
-4,630	2.858×10^{-7}	0,000	Downregulated
3,871	2.934×10^{-7}	0,000	Downregulated

7,271	2.976×10^{-7}	0,000	Upregulated
2,860	3.026×10^{-7}	0,000	Upregulated
0,883	3.138×10^{-7}	0,000	Downregulated
-0,179	3.166×10^{-7}	0,000	Downregulated
1,175	3.258×10^{-7}	0,000	Upregulated
4,249	3.259×10^{-7}	0,000	Upregulated
5,151	3.277×10^{-7}	0,000	Upregulated
4,567	3.317×10^{-7}	0,000	Downregulated
1,709	3.356×10^{-7}	0,000	Upregulated
5,561	3.533×10^{-7}	0,000	Upregulated
4,543	3.533×10^{-7}	0,000	Upregulated
1,967	3.629×10^{-7}	0,000	Upregulated
-0,006	3.653×10^{-7}	0,000	Upregulated
3,639	3.746×10^{-7}	0,000	Downregulated
2,230	3.775×10^{-7}	0,000	Downregulated
-4,209	3.908×10^{-7}	0,000	Downregulated
5,686	3.912×10^{-7}	0,000	Downregulated
1,766	3.933×10^{-7}	0,000	Downregulated
-1,584	3.968×10^{-7}	0,000	Upregulated
2,191	4.063×10^{-7}	0,000	Downregulated
-3,991	4.068×10^{-7}	0,000	Downregulated
1,895	4.092×10^{-7}	0,000	Downregulated
-1,144	4.298×10^{-7}	0,000	Downregulated
2,484	4.362×10^{-7}	0,000	Downregulated
-1,511	4.389×10^{-7}	0,000	Downregulated
-2,272	4.432×10^{-7}	0,000	Downregulated
1,526	4.434×10^{-7}	0,000	Upregulated
0,552	4.456×10^{-7}	0,000	Upregulated
4,194	4.550×10^{-7}	0,000	Upregulated
-0,264	4.566×10^{-7}	0,000	Upregulated
-4,121	4.591×10^{-7}	0,000	Downregulated
4,496	4.627×10^{-7}	0,000	Upregulated
6,376	4.653×10^{-7}	0,000	Upregulated
2,689	4.713×10^{-7}	0,000	Downregulated
0,539	4.746×10^{-7}	0,000	Upregulated
3,435	4.958×10^{-7}	0,000	Upregulated
1,493	5.012×10^{-7}	0,000	Downregulated
3,266	5.111×10^{-7}	0,000	Downregulated
-5,003	5.168×10^{-7}	0,000	Downregulated
-2,500	5.192×10^{-7}	0,000	Downregulated
4,863	5.201×10^{-7}	0,000	Upregulated
3,135	5.333×10^{-7}	0,000	Upregulated
4,471	5.378×10^{-7}	0,000	Upregulated
2,250	5.452×10^{-7}	0,000	Upregulated
2,644	5.455×10^{-7}	0,000	Downregulated

-1,127	5.507×10^{-7}	0,000	Downregulated
1,616	5.520×10^{-7}	0,000	Downregulated
-1,073	5.657×10^{-7}	0,000	Downregulated
2,516	5.678×10^{-7}	0,000	Downregulated
4,724	5.728×10^{-7}	0,000	Upregulated
4,556	5.800×10^{-7}	0,000	Upregulated
-2,900	5.897×10^{-7}	0,000	Upregulated
-1,949	6.040×10^{-7}	0,000	Upregulated
-2,887	6.129×10^{-7}	0,000	Upregulated
-0,371	6.242×10^{-7}	0,000	Upregulated
3,756	6.256×10^{-7}	0,000	Upregulated
7,074	6.278×10^{-7}	0,000	Upregulated
0,671	6.285×10^{-7}	0,000	Upregulated
-5,156	6.288×10^{-7}	0,000	Downregulated
9,048	6.299×10^{-7}	0,000	Upregulated
4,727	6.449×10^{-7}	0,000	Upregulated
-0,429	6.493×10^{-7}	0,000	Downregulated
7,907	6.582×10^{-7}	0,000	Upregulated
0,188	6.734×10^{-7}	0,000	Upregulated
2,578	6.749×10^{-7}	0,000	Downregulated
-3,022	6.854×10^{-7}	0,000	Downregulated
7,027	6.878×10^{-7}	0,000	Upregulated
-4,324	6.907×10^{-7}	0,000	Downregulated
2,196	6.933×10^{-7}	0,000	Upregulated
-1,110	7.012×10^{-7}	0,000	Downregulated
2,106	7.037×10^{-7}	0,000	Upregulated
3,825	7.078×10^{-7}	0,000	Upregulated
-1,575	7.103×10^{-7}	0,000	Downregulated
2,169	7.173×10^{-7}	0,000	Upregulated
-2,360	7.286×10^{-7}	0,000	Downregulated
-1,045	7.301×10^{-7}	0,000	Downregulated
2,739	7.304×10^{-7}	0,000	Upregulated
-1,089	7.445×10^{-7}	0,000	Downregulated
-1,628	7.492×10^{-7}	0,000	Upregulated
-0,632	7.582×10^{-7}	0,000	Downregulated
1,470	7.915×10^{-7}	0,000	Downregulated
3,034	8.060×10^{-7}	0,000	Downregulated
2,739	8.142×10^{-7}	0,000	Upregulated
3,408	8.186×10^{-7}	0,000	Downregulated
-1,233	8.353×10^{-7}	0,000	Upregulated
1,517	8.383×10^{-7}	0,000	Upregulated
5,805	8.442×10^{-7}	0,000	Upregulated
-0,543	8.456×10^{-7}	0,000	Downregulated
4,258	8.719×10^{-7}	0,000	Upregulated
-3,748	8.821×10^{-7}	0,000	Downregulated

3,263	8.953×10^{-7}	0,000	Upregulated
3,426	9.017×10^{-7}	0,000	Upregulated
-2,322	9.082×10^{-7}	0,000	Downregulated
0,060	9.243×10^{-7}	0,000	Upregulated
4,958	9.285×10^{-7}	0,000	Upregulated
1,405	9.479×10^{-7}	0,000	Downregulated
6,302	9.579×10^{-7}	0,000	Upregulated
-1,929	9.642×10^{-7}	0,000	Downregulated
-4,678	9.753×10^{-7}	0,000	Downregulated
0,386	1.002×10^{-6}	0,000	Downregulated
1,763	1.022×10^{-6}	0,000	Upregulated
3,220	1.024×10^{-6}	0,000	Upregulated
0,623	1.028×10^{-6}	0,000	Upregulated
1,435	1.035×10^{-6}	0,000	Downregulated
-4,282	1.050×10^{-6}	0,000	Downregulated
3,205	1.081×10^{-6}	0,000	Downregulated
2,354	1.102×10^{-6}	0,000	Upregulated
3,130	1.110×10^{-6}	0,000	Upregulated
4,487	1.120×10^{-6}	0,000	Upregulated
3,794	1.127×10^{-6}	0,000	Downregulated
3,543	1.131×10^{-6}	0,000	Upregulated
4,502	1.136×10^{-6}	0,000	Upregulated
6,978	1.152×10^{-6}	0,000	Upregulated
-2,016	1.159×10^{-6}	0,000	Upregulated
-2,499	1.180×10^{-6}	0,000	Upregulated
4,544	1.182×10^{-6}	0,000	Upregulated
2,697	1.196×10^{-6}	0,000	Upregulated
0,230	1.206×10^{-6}	0,000	Downregulated
2,904	1.226×10^{-6}	0,000	Upregulated
5,708	1.232×10^{-6}	0,000	Upregulated
4,020	1.241×10^{-6}	0,000	Upregulated
-2,580	1.248×10^{-6}	0,000	Downregulated
-1,042	1.254×10^{-6}	0,000	Downregulated
5,215	1.281×10^{-6}	0,000	Upregulated
4,097	1.289×10^{-6}	0,000	Downregulated
-4,838	1.298×10^{-6}	0,000	Downregulated
2,236	1.299×10^{-6}	0,000	Upregulated
-2,816	1.309×10^{-6}	0,000	Upregulated
1,329	1.309×10^{-6}	0,000	Downregulated
2,469	1.320×10^{-6}	0,000	Upregulated
3,957	1.320×10^{-6}	0,000	Downregulated
2,533	1.324×10^{-6}	0,000	Upregulated
-1,018	1.346×10^{-6}	0,000	Downregulated
2,753	1.355×10^{-6}	0,000	Upregulated
3,093	1.374×10^{-6}	0,000	Upregulated

6,952	1.376×10^{-6}	0,000	Upregulated
7,232	1.382×10^{-6}	0,000	Upregulated
5,406	1.453×10^{-6}	0,000	Upregulated
2,113	1.472×10^{-6}	0,000	Downregulated
-1,067	1.486×10^{-6}	0,000	Downregulated
1,703	1.507×10^{-6}	0,000	Upregulated
3,450	1.515×10^{-6}	0,000	Downregulated
-4,946	1.521×10^{-6}	0,000	Downregulated
4,255	1.565×10^{-6}	0,000	Downregulated
1,967	1.577×10^{-6}	0,000	Upregulated
5,042	1.591×10^{-6}	0,000	Upregulated
-0,219	1.594×10^{-6}	0,000	Downregulated
1,736	1.608×10^{-6}	0,000	Upregulated
-0,829	1.624×10^{-6}	0,000	Downregulated
2,413	1.698×10^{-6}	0,000	Upregulated
0,401	1.777×10^{-6}	0,000	Upregulated
-3,630	1.795×10^{-6}	0,000	Downregulated
0,314	1.815×10^{-6}	0,000	Upregulated
5,132	1.824×10^{-6}	0,000	Upregulated
-1,070	1.837×10^{-6}	0,000	Downregulated
-0,627	1.858×10^{-6}	0,000	Downregulated
1,052	1.964×10^{-6}	0,000	Upregulated
1,832	2.054×10^{-6}	0,000	Upregulated
-2,515	2.056×10^{-6}	0,000	Upregulated
3,060	2.063×10^{-6}	0,000	Upregulated
1,473	2.081×10^{-6}	0,000	Upregulated
-0,986	2.126×10^{-6}	0,000	Downregulated
2,741	2.155×10^{-6}	0,000	Upregulated
-0,340	2.172×10^{-6}	0,000	Downregulated
-5,162	2.222×10^{-6}	0,000	Downregulated
-0,145	2.262×10^{-6}	0,000	Downregulated
2,930	2.265×10^{-6}	0,000	Upregulated
-0,045	2.267×10^{-6}	0,000	Downregulated
4,390	2.312×10^{-6}	0,000	Upregulated
2,776	2.318×10^{-6}	0,000	Upregulated
-1,213	2.330×10^{-6}	0,000	Upregulated
-1,656	2.425×10^{-6}	0,000	Upregulated
-3,365	2.456×10^{-6}	0,000	Downregulated
1,391	2.461×10^{-6}	0,000	Downregulated
-0,568	2.471×10^{-6}	0,000	Downregulated
2,101	2.495×10^{-6}	0,000	Upregulated
-0,492	2.530×10^{-6}	0,000	Downregulated
3,704	2.537×10^{-6}	0,000	Upregulated
1,423	2.566×10^{-6}	0,000	Upregulated
0,009	2.568×10^{-6}	0,000	Upregulated

6,092	2.621×10^{-6}	0,000	Upregulated
-3,554	2.622×10^{-6}	0,000	Downregulated
3,268	2.656×10^{-6}	0,000	Upregulated
-5,017	2.657×10^{-6}	0,000	Downregulated
4,562	2.679×10^{-6}	0,000	Upregulated
5,147	2.688×10^{-6}	0,000	Upregulated
-1,918	2.690×10^{-6}	0,000	Upregulated
-2,456	2.837×10^{-6}	0,000	Downregulated
5,652	2.850×10^{-6}	0,000	Upregulated
2,713	2.886×10^{-6}	0,000	Upregulated
4,851	2.944×10^{-6}	0,000	Upregulated
4,447	2.971×10^{-6}	0,000	Upregulated
-0,076	2.989×10^{-6}	0,000	Upregulated
3,949	3.030×10^{-6}	0,000	Upregulated
6,261	3.033×10^{-6}	0,000	Upregulated
1,151	3.047×10^{-6}	0,000	Upregulated
-2,823	3.145×10^{-6}	0,000	Upregulated
4,081	3.145×10^{-6}	0,000	Upregulated
2,366	3.214×10^{-6}	0,000	Upregulated
2,810	3.250×10^{-6}	0,000	Upregulated
3,155	3.255×10^{-6}	0,000	Downregulated
-0,988	3.258×10^{-6}	0,000	Downregulated
-4,403	3.336×10^{-6}	0,000	Downregulated
4,202	3.382×10^{-6}	0,000	Downregulated
4,998	3.420×10^{-6}	0,000	Upregulated
2,536	3.420×10^{-6}	0,000	Upregulated
-3,449	3.473×10^{-6}	0,000	Downregulated
6,223	3.494×10^{-6}	0,000	Upregulated
-2,485	3.603×10^{-6}	0,000	Downregulated
4,925	3.637×10^{-6}	0,000	Upregulated
-1,948	3.698×10^{-6}	0,000	Downregulated
-1,359	3.785×10^{-6}	0,000	Upregulated
2,053	3.813×10^{-6}	0,000	Downregulated
1,902	3.823×10^{-6}	0,000	Downregulated
0,058	3.829×10^{-6}	0,000	Downregulated
-0,412	3.893×10^{-6}	0,000	Downregulated
1,646	4.064×10^{-6}	0,000	Upregulated
2,445	4.168×10^{-6}	0,000	Downregulated
-4,599	4.244×10^{-6}	0,000	Downregulated
3,506	4.282×10^{-6}	0,000	Upregulated
2,960	4.310×10^{-6}	0,000	Downregulated
4,321	4.311×10^{-6}	0,000	Upregulated
7,755	4.399×10^{-6}	0,000	Upregulated
0,034	4.440×10^{-6}	0,000	Upregulated
-1,100	4.512×10^{-6}	0,000	Downregulated

-4,151	4.537×10^{-6}	0,000	Downregulated
0,811	4.621×10^{-6}	0,000	Downregulated
5,183	4.641×10^{-6}	0,000	Upregulated
-3,970	4.702×10^{-6}	0,000	Downregulated
-3,639	4.741×10^{-6}	0,000	Upregulated
4,104	4.805×10^{-6}	0,000	Upregulated
6,954	4.818×10^{-6}	0,000	Upregulated
-0,441	4.897×10^{-6}	0,000	Upregulated
3,354	4.903×10^{-6}	0,000	Upregulated
6,050	4.960×10^{-6}	0,000	Upregulated
5,181	5.205×10^{-6}	0,000	Upregulated
0,773	5.246×10^{-6}	0,000	Downregulated
-1,968	5.251×10^{-6}	0,000	Downregulated
4,105	5.360×10^{-6}	0,000	Upregulated
3,586	5.368×10^{-6}	0,000	Upregulated
0,088	5.410×10^{-6}	0,000	Downregulated
1,840	5.449×10^{-6}	0,000	Downregulated
-2,057	5.454×10^{-6}	0,000	Downregulated
3,485	5.464×10^{-6}	0,000	Upregulated
-0,067	5.565×10^{-6}	0,000	Upregulated
3,333	5.600×10^{-6}	0,000	Upregulated
-1,003	5.626×10^{-6}	0,000	Upregulated
-4,948	5.660×10^{-6}	0,000	Downregulated
4,226	5.681×10^{-6}	0,000	Upregulated
3,298	5.695×10^{-6}	0,000	Upregulated
-1,243	5.801×10^{-6}	0,000	Downregulated
2,526	5.819×10^{-6}	0,000	Upregulated
0,295	5.880×10^{-6}	0,000	Upregulated
5,847	5.945×10^{-6}	0,000	Upregulated
-1,378	5.998×10^{-6}	0,000	Upregulated
-3,642	6.005×10^{-6}	0,000	Downregulated
6,484	6.111×10^{-6}	0,000	Upregulated
2,842	6.233×10^{-6}	0,000	Upregulated
3,502	6.560×10^{-6}	0,000	Downregulated
-2,342	6.579×10^{-6}	0,000	Downregulated
2,087	6.695×10^{-6}	0,000	Upregulated
2,187	6.761×10^{-6}	0,000	Downregulated
4,564	6.891×10^{-6}	0,000	Upregulated
5,213	6.898×10^{-6}	0,000	Upregulated
0,063	6.908×10^{-6}	0,000	Downregulated
-0,543	6.932×10^{-6}	0,000	Upregulated
0,477	6.986×10^{-6}	0,000	Upregulated
3,205	7.098×10^{-6}	0,000	Upregulated
2,225	7.121×10^{-6}	0,000	Downregulated
-0,024	7.371×10^{-6}	0,000	Upregulated

1,090	7.437×10^{-6}	0,000	Upregulated
2,412	7.448×10^{-6}	0,000	Upregulated
-0,553	7.467×10^{-6}	0,000	Upregulated
-5,151	7.505×10^{-6}	0,000	Downregulated
1,994	7.596×10^{-6}	0,000	Upregulated
3,028	7.639×10^{-6}	0,000	Upregulated
-1,251	7.809×10^{-6}	0,000	Downregulated
5,264	7.835×10^{-6}	0,000	Upregulated
-1,018	8.258×10^{-6}	0,000	Downregulated
-4,930	8.273×10^{-6}	0,000	Downregulated
-1,550	8.347×10^{-6}	0,000	Upregulated
3,414	8.388×10^{-6}	0,000	Upregulated
-0,523	8.424×10^{-6}	0,000	Upregulated
6,714	8.508×10^{-6}	0,000	Upregulated
6,981	8.523×10^{-6}	0,000	Upregulated
0,750	8.596×10^{-6}	0,000	Upregulated
4,233	8.877×10^{-6}	0,000	Downregulated
1,657	8.904×10^{-6}	0,000	Downregulated
4,658	8.923×10^{-6}	0,000	Upregulated
3,599	9.048×10^{-6}	0,000	Upregulated
-3,733	9.082×10^{-6}	0,000	Downregulated
-0,300	9.124×10^{-6}	0,000	Upregulated
1,971	9.160×10^{-6}	0,000	Downregulated
0,012	9.196×10^{-6}	0,000	Upregulated
0,925	9.333×10^{-6}	0,000	Upregulated
4,949	9.335×10^{-6}	0,000	Upregulated
-0,531	9.393×10^{-6}	0,000	Upregulated
0,482	9.414×10^{-6}	0,000	Downregulated
-2,979	9.487×10^{-6}	0,000	Downregulated
1,602	9.573×10^{-6}	0,000	Upregulated
-2,398	9.764×10^{-6}	0,000	Upregulated
2,427	1.006×10^{-5}	0,000	Downregulated
2,196	1.008×10^{-5}	0,000	Upregulated
1,303	1.032×10^{-5}	0,000	Upregulated
-0,389	1.037×10^{-5}	0,000	Upregulated
-1,601	1.063×10^{-5}	0,000	Upregulated
-1,310	1.077×10^{-5}	0,000	Upregulated
-4,648	1.079×10^{-5}	0,000	Downregulated
0,693	1.081×10^{-5}	0,000	Upregulated
1,478	1.083×10^{-5}	0,000	Upregulated
-0,231	1.084×10^{-5}	0,000	Upregulated
2,012	1.090×10^{-5}	0,000	Upregulated
1,383	1.119×10^{-5}	0,000	Upregulated
-4,143	1.119×10^{-5}	0,000	Downregulated
1,729	1.143×10^{-5}	0,000	Upregulated

3,615	1.161×10^{-5}	0,000	Upregulated
3,778	1.169×10^{-5}	0,000	Upregulated
3,510	1.173×10^{-5}	0,000	Upregulated
-0,877	1.180×10^{-5}	0,000	Upregulated
1,207	1.192×10^{-5}	0,000	Upregulated
4,847	1.206×10^{-5}	0,000	Upregulated
0,660	1.214×10^{-5}	0,000	Upregulated
-3,859	1.215×10^{-5}	0,000	Downregulated
2,481	1.215×10^{-5}	0,000	Upregulated
4,008	1.218×10^{-5}	0,000	Upregulated
-4,916	1.227×10^{-5}	0,000	Downregulated
6,240	1.230×10^{-5}	0,000	Upregulated
4,245	1.235×10^{-5}	0,000	Upregulated
1,195	1.244×10^{-5}	0,000	Upregulated
2,185	1.317×10^{-5}	0,000	Downregulated
4,753	1.333×10^{-5}	0,000	Upregulated
2,219	1.334×10^{-5}	0,000	Downregulated
2,019	1.337×10^{-5}	0,000	Upregulated
2,073	1.354×10^{-5}	0,000	Upregulated
2,334	1.365×10^{-5}	0,000	Upregulated
1,679	1.367×10^{-5}	0,000	Downregulated
1,023	1.370×10^{-5}	0,000	Upregulated
4,564	1.384×10^{-5}	0,000	Upregulated
6,270	1.432×10^{-5}	0,000	Upregulated
3,723	1.438×10^{-5}	0,000	Upregulated
1,744	1.440×10^{-5}	0,000	Upregulated
1,156	1.452×10^{-5}	0,000	Upregulated
1,402	1.456×10^{-5}	0,000	Upregulated
1,010	1.479×10^{-5}	0,000	Upregulated
1,396	1.501×10^{-5}	0,000	Upregulated
2,735	1.539×10^{-5}	0,000	Upregulated
0,119	1.541×10^{-5}	0,000	Upregulated
6,348	1.567×10^{-5}	0,000	Upregulated
3,910	1.578×10^{-5}	0,000	Upregulated
-0,290	1.592×10^{-5}	0,000	Upregulated
-3,503	1.614×10^{-5}	0,000	Downregulated
1,845	1.630×10^{-5}	0,000	Upregulated
3,211	1.644×10^{-5}	0,000	Downregulated
-1,003	1.652×10^{-5}	0,000	Upregulated
1,443	1.674×10^{-5}	0,000	Downregulated
3,273	1.689×10^{-5}	0,000	Upregulated
-3,456	1.711×10^{-5}	0,000	Downregulated
2,264	1.713×10^{-5}	0,000	Downregulated
6,107	1.787×10^{-5}	0,000	Upregulated
2,311	1.787×10^{-5}	0,000	Upregulated

4,760	1.789×10^{-5}	0,000	Upregulated
3,528	1.848×10^{-5}	0,000	Upregulated
2,281	1.850×10^{-5}	0,000	Upregulated
4,311	1.854×10^{-5}	0,000	Upregulated
0,342	1.884×10^{-5}	0,000	Downregulated
-0,477	1.895×10^{-5}	0,000	Downregulated
-0,108	1.931×10^{-5}	0,000	Downregulated
-0,881	2.048×10^{-5}	0,000	Upregulated
-1,285	2.050×10^{-5}	0,000	Downregulated
-3,878	2.056×10^{-5}	0,000	Downregulated
-3,880	2.057×10^{-5}	0,000	Downregulated
-3,701	2.062×10^{-5}	0,000	Downregulated
4,436	2.082×10^{-5}	0,000	Upregulated
1,519	2.085×10^{-5}	0,000	Upregulated
-4,210	2.116×10^{-5}	0,000	Downregulated
-5,214	2.142×10^{-5}	0,000	Downregulated
-3,827	2.145×10^{-5}	0,000	Downregulated
2,949	2.160×10^{-5}	0,000	Upregulated
-1,758	2.187×10^{-5}	0,000	Upregulated
-2,521	2.253×10^{-5}	0,000	Downregulated
-1,916	2.333×10^{-5}	0,000	Upregulated
4,195	2.349×10^{-5}	0,000	Upregulated
-0,469	2.394×10^{-5}	0,000	Downregulated
-0,507	2.419×10^{-5}	0,000	Upregulated
0,034	2.424×10^{-5}	0,000	Upregulated
3,644	2.460×10^{-5}	0,000	Downregulated
-2,096	2.474×10^{-5}	0,000	Downregulated
1,962	2.478×10^{-5}	0,000	Upregulated
4,312	2.491×10^{-5}	0,000	Upregulated
0,678	2.513×10^{-5}	0,000	Upregulated
2,342	2.537×10^{-5}	0,000	Upregulated
-0,916	2.554×10^{-5}	0,000	Upregulated
6,251	2.580×10^{-5}	0,000	Upregulated
-1,412	2.595×10^{-5}	0,000	Upregulated
0,244	2.606×10^{-5}	0,000	Upregulated
5,731	2.624×10^{-5}	0,000	Upregulated
0,132	2.661×10^{-5}	0,000	Upregulated
4,740	2.674×10^{-5}	0,000	Downregulated
3,266	2.734×10^{-5}	0,000	Upregulated
4,945	2.749×10^{-5}	0,000	Upregulated
2,874	2.790×10^{-5}	0,000	Upregulated
3,029	2.795×10^{-5}	0,000	Upregulated
4,043	2.800×10^{-5}	0,000	Downregulated
-2,718	2.805×10^{-5}	0,000	Upregulated
3,213	2.824×10^{-5}	0,000	Downregulated

1,343	2.839×10^{-5}	0,000	Downregulated
-0,029	2.850×10^{-5}	0,000	Upregulated
4,455	2.907×10^{-5}	0,000	Downregulated
2,862	2.941×10^{-5}	0,000	Upregulated
-1,676	2.944×10^{-5}	0,000	Upregulated
-0,736	2.945×10^{-5}	0,000	Upregulated
0,508	2.963×10^{-5}	0,000	Downregulated
-2,096	2.985×10^{-5}	0,000	Upregulated
1,699	3.021×10^{-5}	0,000	Upregulated
0,683	3.054×10^{-5}	0,000	Upregulated
1,972	3.124×10^{-5}	0,000	Upregulated
4,067	3.132×10^{-5}	0,000	Upregulated
1,539	3.152×10^{-5}	0,000	Upregulated
2,835	3.191×10^{-5}	0,000	Upregulated
3,154	3.210×10^{-5}	0,000	Upregulated
7,160	3.255×10^{-5}	0,000	Upregulated
-2,394	3.310×10^{-5}	0,000	Downregulated
2,624	3.429×10^{-5}	0,000	Upregulated
-0,775	3.430×10^{-5}	0,000	Upregulated
1,356	3.521×10^{-5}	0,000	Upregulated
-0,800	3.526×10^{-5}	0,000	Upregulated
-0,414	3.537×10^{-5}	0,000	Upregulated
3,535	3.561×10^{-5}	0,000	Upregulated
-5,017	3.584×10^{-5}	0,000	Downregulated
1,393	3.672×10^{-5}	0,000	Downregulated
-3,553	3.685×10^{-5}	0,000	Upregulated
1,213	3.815×10^{-5}	0,000	Upregulated
-0,233	3.823×10^{-5}	0,000	Upregulated
0,796	3.841×10^{-5}	0,000	Upregulated
-3,389	3.885×10^{-5}	0,000	Upregulated
7,533	3.896×10^{-5}	0,000	Upregulated
1,647	3.938×10^{-5}	0,000	Upregulated
-4,351	3.956×10^{-5}	0,000	Downregulated
2,397	3.992×10^{-5}	0,000	Upregulated
4,647	4.006×10^{-5}	0,000	Upregulated
2,394	4.033×10^{-5}	0,000	Upregulated
1,210	4.185×10^{-5}	0,000	Upregulated
-3,321	4.189×10^{-5}	0,000	Upregulated
-3,407	4.258×10^{-5}	0,000	Downregulated
-0,313	4.298×10^{-5}	0,000	Downregulated
3,003	4.340×10^{-5}	0,000	Upregulated
2,400	4.380×10^{-5}	0,000	Upregulated
4,693	4.384×10^{-5}	0,000	Upregulated
1,380	4.445×10^{-5}	0,000	Upregulated
1,147	4.470×10^{-5}	0,000	Upregulated

0,820	4.484×10^{-5}	0,000	Downregulated
4,621	4.487×10^{-5}	0,000	Upregulated
3,986	4.652×10^{-5}	0,000	Upregulated
3,772	4.715×10^{-5}	0,000	Upregulated
5,823	4.745×10^{-5}	0,000	Upregulated
-0,389	4.790×10^{-5}	0,000	Upregulated
-0,240	4.807×10^{-5}	0,000	Upregulated
-3,703	4.874×10^{-5}	0,000	Downregulated
1,818	4.903×10^{-5}	0,000	Upregulated
-3,705	4.955×10^{-5}	0,000	Upregulated
1,687	5.268×10^{-5}	0,000	Downregulated
0,251	5.295×10^{-5}	0,000	Downregulated
1,973	5.344×10^{-5}	0,000	Upregulated
-3,451	5.371×10^{-5}	0,000	Downregulated
-4,045	5.388×10^{-5}	0,000	Downregulated
-4,437	5.490×10^{-5}	0,000	Downregulated
-1,079	5.493×10^{-5}	0,000	Upregulated
2,967	5.524×10^{-5}	0,000	Upregulated
-0,484	5.622×10^{-5}	0,000	Upregulated
-3,591	5.855×10^{-5}	0,000	Upregulated
0,218	5.893×10^{-5}	0,000	Upregulated
0,413	5.909×10^{-5}	0,000	Upregulated
5,368	5.934×10^{-5}	0,000	Upregulated
-1,869	5.946×10^{-5}	0,000	Downregulated
2,523	5.988×10^{-5}	0,000	Upregulated
0,006	6.011×10^{-5}	0,000	Upregulated
1,405	6.087×10^{-5}	0,000	Upregulated
2,328	6.122×10^{-5}	0,000	Downregulated
4,692	6.129×10^{-5}	0,000	Upregulated
-0,528	6.130×10^{-5}	0,000	Upregulated
-2,704	6.133×10^{-5}	0,000	Downregulated
-0,547	6.153×10^{-5}	0,000	Upregulated
4,782	6.220×10^{-5}	0,000	Upregulated
3,622	6.251×10^{-5}	0,000	Upregulated
-2,533	6.310×10^{-5}	0,000	Downregulated
0,955	6.317×10^{-5}	0,000	Upregulated
3,498	6.393×10^{-5}	0,000	Upregulated
5,206	6.424×10^{-5}	0,000	Upregulated
-0,611	6.442×10^{-5}	0,000	Downregulated
6,497	6.464×10^{-5}	0,000	Upregulated
4,003	6.677×10^{-5}	0,000	Upregulated
0,094	6.785×10^{-5}	0,000	Downregulated
-4,995	6.802×10^{-5}	0,000	Downregulated
-2,083	6.808×10^{-5}	0,000	Upregulated
-1,094	6.888×10^{-5}	0,000	Upregulated

3,100	6.993×10^{-5}	0,000	Upregulated
5,559	7.075×10^{-5}	0,000	Upregulated
-0,930	7.078×10^{-5}	0,000	Upregulated
-1,725	7.167×10^{-5}	0,000	Upregulated
-5,119	7.355×10^{-5}	0,000	Downregulated
4,439	7.429×10^{-5}	0,000	Upregulated
0,400	7.507×10^{-5}	0,000	Upregulated
0,337	7.600×10^{-5}	0,000	Upregulated
2,348	7.657×10^{-5}	0,000	Upregulated
4,946	7.658×10^{-5}	0,000	Upregulated
4,210	7.748×10^{-5}	0,000	Upregulated
5,123	7.797×10^{-5}	0,000	Upregulated
-0,277	7.816×10^{-5}	0,000	Upregulated
1,744	7.857×10^{-5}	0,000	Upregulated
2,080	7.860×10^{-5}	0,000	Upregulated
4,064	7.980×10^{-5}	0,000	Downregulated
2,333	8.141×10^{-5}	0,000	Upregulated
0,489	8.328×10^{-5}	0,000	Upregulated
4,405	8.429×10^{-5}	0,000	Upregulated
3,000	8.474×10^{-5}	0,000	Upregulated
-4,561	8.474×10^{-5}	0,000	Downregulated
0,090	8.503×10^{-5}	0,000	Upregulated
1,124	8.634×10^{-5}	0,000	Upregulated
-0,666	8.759×10^{-5}	0,000	Upregulated
-2,770	8.814×10^{-5}	0,000	Upregulated
2,303	8.922×10^{-5}	0,000	Upregulated
-3,843	9.028×10^{-5}	0,000	Downregulated
1,002	9.037×10^{-5}	0,000	Downregulated
-1,611	9.127×10^{-5}	0,000	Downregulated
0,486	9.220×10^{-5}	0,000	Upregulated
3,086	9.291×10^{-5}	0,000	Downregulated
-0,892	9.389×10^{-5}	0,000	Upregulated
4,358	9.401×10^{-5}	0,000	Upregulated
2,459	9.494×10^{-5}	0,000	Upregulated
-0,464	9.532×10^{-5}	0,000	Upregulated
0,819	9.585×10^{-5}	0,000	Upregulated
-3,600	9.671×10^{-5}	0,000	Upregulated
5,335	9.688×10^{-5}	0,000	Upregulated
5,247	9.796×10^{-5}	0,000	Upregulated
1,572	9.803×10^{-5}	0,000	Upregulated
0,957	9.892×10^{-5}	0,000	Upregulated
6,527	9.911×10^{-5}	0,000	Upregulated
-4,979	9.942×10^{-5}	0,000	Downregulated
1,051	9.983×10^{-5}	0,000	Upregulated
2,823	1.000×10^{-4}	0,000	Upregulated

-0,191	1.006x10 ⁻⁴	0,000	Upregulated
2,048	1.011x10 ⁻⁴	0,000	Upregulated
-4,915	1.014x10 ⁻⁴	0,000	Downregulated
-1,305	1.028x10 ⁻⁴	0,000	Upregulated
1,552	1.034x10 ⁻⁴	0,000	Upregulated
2,755	1.049x10 ⁻⁴	0,000	Upregulated
-5,232	1.052x10 ⁻⁴	0,000	Downregulated
0,995	1.056x10 ⁻⁴	0,000	Upregulated
0,324	1.060x10 ⁻⁴	0,000	Upregulated
-0,600	1.067x10 ⁻⁴	0,000	Upregulated
-0,230	1.070x10 ⁻⁴	0,000	Upregulated
0,978	1.085x10 ⁻⁴	0,000	Upregulated
-3,015	1.086x10 ⁻⁴	0,000	Upregulated
1,660	1.097x10 ⁻⁴	0,000	Downregulated
-0,193	1.102x10 ⁻⁴	0,000	Upregulated
2,000	1.106x10 ⁻⁴	0,000	Upregulated
-4,072	1.116x10 ⁻⁴	0,000	Downregulated
2,173	1.117x10 ⁻⁴	0,000	Upregulated
-5,033	1.142x10 ⁻⁴	0,000	Downregulated
1,916	1.146x10 ⁻⁴	0,000	Upregulated
0,928	1.156x10 ⁻⁴	0,000	Upregulated
-1,849	1.157x10 ⁻⁴	0,000	Upregulated
-1,424	1.181x10 ⁻⁴	0,000	Downregulated
-1,353	1.187x10 ⁻⁴	0,000	Upregulated
2,803	1.221x10 ⁻⁴	0,000	Upregulated
4,328	1.228x10 ⁻⁴	0,000	Upregulated
-1,206	1.242x10 ⁻⁴	0,000	Downregulated
-1,755	1.252x10 ⁻⁴	0,000	Downregulated
-0,360	1.279x10 ⁻⁴	0,000	Upregulated
2,522	1.331x10 ⁻⁴	0,000	Upregulated
2,474	1.356x10 ⁻⁴	0,000	Upregulated
0,649	1.366x10 ⁻⁴	0,000	Upregulated
-0,239	1.390x10 ⁻⁴	0,000	Upregulated
1,550	1.408x10 ⁻⁴	0,000	Downregulated
-4,805	1.413x10 ⁻⁴	0,000	Downregulated
0,539	1.414x10 ⁻⁴	0,000	Upregulated
1,156	1.417x10 ⁻⁴	0,000	Upregulated
6,126	1.422x10 ⁻⁴	0,000	Upregulated
0,711	1.436x10 ⁻⁴	0,000	Downregulated
-2,253	1.447x10 ⁻⁴	0,000	Upregulated
4,346	1.451x10 ⁻⁴	0,000	Downregulated
6,104	1.459x10 ⁻⁴	0,000	Upregulated
3,099	1.463x10 ⁻⁴	0,000	Upregulated
1,537	1.481x10 ⁻⁴	0,000	Upregulated
2,009	1.485x10 ⁻⁴	0,000	Upregulated

-0,883	1.499×10^{-4}	0,000	Downregulated
1,269	1.504×10^{-4}	0,000	Downregulated
3,347	1.517×10^{-4}	0,001	Upregulated
3,437	1.537×10^{-4}	0,001	Upregulated
5,603	1.543×10^{-4}	0,001	Downregulated
2,757	1.554×10^{-4}	0,001	Upregulated
5,594	1.570×10^{-4}	0,001	Upregulated
-1,654	1.620×10^{-4}	0,001	Upregulated
0,387	1.645×10^{-4}	0,001	Upregulated
-0,206	1.646×10^{-4}	0,001	Upregulated
1,032	1.652×10^{-4}	0,001	Upregulated
2,273	1.664×10^{-4}	0,001	Downregulated
-0,140	1.667×10^{-4}	0,001	Upregulated
-1,917	1.677×10^{-4}	0,001	Downregulated
1,803	1.678×10^{-4}	0,001	Upregulated
2,624	1.686×10^{-4}	0,001	Downregulated
3,393	1.709×10^{-4}	0,001	Upregulated
-4,010	1.713×10^{-4}	0,001	Downregulated
3,212	1.720×10^{-4}	0,001	Upregulated
4,781	1.721×10^{-4}	0,001	Upregulated
-1,790	1.740×10^{-4}	0,001	Upregulated
-5,203	1.745×10^{-4}	0,001	Downregulated
2,803	1.755×10^{-4}	0,001	Upregulated
4,822	1.768×10^{-4}	0,001	Upregulated
0,695	1.777×10^{-4}	0,001	Upregulated
-3,369	1.780×10^{-4}	0,001	Upregulated
-3,388	1.792×10^{-4}	0,001	Downregulated
-2,340	1.800×10^{-4}	0,001	Downregulated
0,185	1.808×10^{-4}	0,001	Upregulated
0,542	1.815×10^{-4}	0,001	Upregulated
1,303	1.822×10^{-4}	0,001	Downregulated
1,436	1.856×10^{-4}	0,001	Upregulated
-1,890	1.858×10^{-4}	0,001	Upregulated
-1,986	1.875×10^{-4}	0,001	Downregulated
-2,394	1.889×10^{-4}	0,001	Downregulated
-1,123	1.932×10^{-4}	0,001	Upregulated
2,211	2.037×10^{-4}	0,001	Upregulated
-5,165	2.073×10^{-4}	0,001	Downregulated
0,276	2.096×10^{-4}	0,001	Upregulated
1,314	2.129×10^{-4}	0,001	Upregulated
7,694	2.144×10^{-4}	0,001	Upregulated
3,344	2.156×10^{-4}	0,001	Upregulated
2,706	2.159×10^{-4}	0,001	Upregulated
-0,390	2.167×10^{-4}	0,001	Downregulated
-4,335	2.170×10^{-4}	0,001	Downregulated

2,098	2.216×10^{-4}	0,001	Upregulated
0,457	2.217×10^{-4}	0,001	Upregulated
0,501	2.226×10^{-4}	0,001	Downregulated
0,436	2.231×10^{-4}	0,001	Upregulated
2,589	2.239×10^{-4}	0,001	Downregulated
-0,413	2.249×10^{-4}	0,001	Upregulated
0,110	2.257×10^{-4}	0,001	Upregulated
0,332	2.270×10^{-4}	0,001	Upregulated
1,306	2.331×10^{-4}	0,001	Upregulated
3,723	2.335×10^{-4}	0,001	Upregulated
1,672	2.369×10^{-4}	0,001	Upregulated
-1,863	2.382×10^{-4}	0,001	Downregulated
-0,112	2.403×10^{-4}	0,001	Upregulated
0,308	2.403×10^{-4}	0,001	Upregulated
-1,688	2.465×10^{-4}	0,001	Downregulated
2,077	2.470×10^{-4}	0,001	Upregulated
5,556	2.483×10^{-4}	0,001	Upregulated
4,498	2.490×10^{-4}	0,001	Upregulated
5,528	2.550×10^{-4}	0,001	Upregulated
-2,988	2.557×10^{-4}	0,001	Upregulated
-3,216	2.558×10^{-4}	0,001	Upregulated
3,970	2.559×10^{-4}	0,001	Upregulated
3,823	2.595×10^{-4}	0,001	Upregulated
1,997	2.639×10^{-4}	0,001	Upregulated
1,678	2.643×10^{-4}	0,001	Upregulated
2,569	2.672×10^{-4}	0,001	Upregulated
1,528	2.684×10^{-4}	0,001	Upregulated
-4,780	2.752×10^{-4}	0,001	Downregulated
5,634	2.777×10^{-4}	0,001	Upregulated
-4,813	2.802×10^{-4}	0,001	Downregulated
-4,704	2.809×10^{-4}	0,001	Downregulated
-1,723	2.837×10^{-4}	0,001	Upregulated
1,838	2.847×10^{-4}	0,001	Downregulated
-3,667	2.852×10^{-4}	0,001	Downregulated
-1,514	2.858×10^{-4}	0,001	Downregulated
4,694	2.885×10^{-4}	0,001	Upregulated
-0,118	2.935×10^{-4}	0,001	Upregulated
-1,890	2.939×10^{-4}	0,001	Upregulated
1,045	2.974×10^{-4}	0,001	Upregulated
3,440	2.982×10^{-4}	0,001	Upregulated
3,019	2.989×10^{-4}	0,001	Downregulated
0,781	3.007×10^{-4}	0,001	Downregulated
2,991	3.045×10^{-4}	0,001	Upregulated
6,023	3.107×10^{-4}	0,001	Upregulated
-2,286	3.138×10^{-4}	0,001	Upregulated

-3,362	3.145×10^{-4}	0,001	Downregulated
2,825	3.155×10^{-4}	0,001	Upregulated
-1,445	3.161×10^{-4}	0,001	Upregulated
-1,271	3.166×10^{-4}	0,001	Upregulated
0,555	3.166×10^{-4}	0,001	Upregulated
-2,343	3.169×10^{-4}	0,001	Upregulated
-0,467	3.176×10^{-4}	0,001	Downregulated
1,473	3.199×10^{-4}	0,001	Upregulated
4,980	3.233×10^{-4}	0,001	Upregulated
-0,208	3.247×10^{-4}	0,001	Upregulated
0,971	3.290×10^{-4}	0,001	Upregulated
-1,224	3.314×10^{-4}	0,001	Upregulated
3,594	3.341×10^{-4}	0,001	Upregulated
-2,923	3.376×10^{-4}	0,001	Upregulated
1,517	3.408×10^{-4}	0,001	Upregulated
-4,786	3.427×10^{-4}	0,001	Downregulated
-0,612	3.451×10^{-4}	0,001	Upregulated
-5,034	3.479×10^{-4}	0,001	Downregulated
-1,004	3.509×10^{-4}	0,001	Upregulated
3,955	3.513×10^{-4}	0,001	Upregulated
3,352	3.579×10^{-4}	0,001	Upregulated
-2,907	3.598×10^{-4}	0,001	Downregulated
4,703	3.623×10^{-4}	0,001	Upregulated
7,382	3.648×10^{-4}	0,001	Upregulated
2,852	3.689×10^{-4}	0,001	Upregulated
-1,444	3.704×10^{-4}	0,001	Upregulated
4,299	3.737×10^{-4}	0,001	Upregulated
2,606	3.746×10^{-4}	0,001	Upregulated
-0,819	3.804×10^{-4}	0,001	Upregulated
1,625	3.810×10^{-4}	0,001	Upregulated
-2,517	3.819×10^{-4}	0,001	Upregulated
-1,092	3.826×10^{-4}	0,001	Upregulated
-2,918	3.906×10^{-4}	0,001	Downregulated
-2,770	3.926×10^{-4}	0,001	Upregulated
3,699	3.934×10^{-4}	0,001	Upregulated
1,310	3.955×10^{-4}	0,001	Downregulated
-3,659	4.034×10^{-4}	0,001	Upregulated
3,104	4.090×10^{-4}	0,001	Upregulated
-3,789	4.116×10^{-4}	0,001	Upregulated
-2,592	4.122×10^{-4}	0,001	Upregulated
2,435	4.125×10^{-4}	0,001	Upregulated
2,054	4.184×10^{-4}	0,001	Upregulated
0,706	4.200×10^{-4}	0,001	Upregulated
-5,087	4.221×10^{-4}	0,001	Downregulated
0,563	4.237×10^{-4}	0,001	Upregulated

-3,357	4.324x10 ⁻⁴	0,001	Upregulated
2,901	4.379x10 ⁻⁴	0,001	Upregulated
3,973	4.422x10 ⁻⁴	0,001	Upregulated
-2,713	4.569x10 ⁻⁴	0,001	Upregulated
3,685	4.576x10 ⁻⁴	0,001	Upregulated
2,582	4.639x10 ⁻⁴	0,001	Upregulated
1,793	4.672x10 ⁻⁴	0,001	Upregulated
2,588	4.683x10 ⁻⁴	0,001	Upregulated
2,593	4.702x10 ⁻⁴	0,001	Upregulated
0,606	4.793x10 ⁻⁴	0,001	Upregulated
0,604	4.795x10 ⁻⁴	0,001	Downregulated
-4,225	4.797x10 ⁻⁴	0,001	Downregulated
-4,286	4.839x10 ⁻⁴	0,001	Downregulated
1,214	4.964x10 ⁻⁴	0,001	Upregulated
1,832	5.028x10 ⁻⁴	0,001	Upregulated
-0,293	5.035x10 ⁻⁴	0,001	Downregulated
-1,271	5.061x10 ⁻⁴	0,002	Upregulated
4,161	5.071x10 ⁻⁴	0,002	Upregulated
1,423	5.072x10 ⁻⁴	0,002	Upregulated
2,969	5.101x10 ⁻⁴	0,002	Upregulated
0,562	5.184x10 ⁻⁴	0,002	Upregulated
3,433	5.260x10 ⁻⁴	0,002	Upregulated
2,102	5.304x10 ⁻⁴	0,002	Upregulated
-4,555	5.342x10 ⁻⁴	0,002	Downregulated
-0,415	5.490x10 ⁻⁴	0,002	Upregulated
-0,613	5.505x10 ⁻⁴	0,002	Upregulated
3,673	5.505x10 ⁻⁴	0,002	Upregulated
-1,086	5.557x10 ⁻⁴	0,002	Upregulated
4,036	5.565x10 ⁻⁴	0,002	Upregulated
-3,864	5.600x10 ⁻⁴	0,002	Downregulated
-3,954	5.864x10 ⁻⁴	0,002	Upregulated
0,960	5.879x10 ⁻⁴	0,002	Upregulated
1,427	5.895x10 ⁻⁴	0,002	Upregulated
1,321	5.995x10 ⁻⁴	0,002	Upregulated
-3,977	6.011x10 ⁻⁴	0,002	Upregulated
1,568	6.164x10 ⁻⁴	0,002	Upregulated
-3,383	6.169x10 ⁻⁴	0,002	Upregulated
1,512	6.190x10 ⁻⁴	0,002	Upregulated
-3,334	6.330x10 ⁻⁴	0,002	Downregulated
3,678	6.369x10 ⁻⁴	0,002	Upregulated
-0,496	6.568x10 ⁻⁴	0,002	Upregulated
0,996	6.578x10 ⁻⁴	0,002	Downregulated
0,877	6.687x10 ⁻⁴	0,002	Upregulated
3,478	6.724x10 ⁻⁴	0,002	Upregulated
-2,726	6.751x10 ⁻⁴	0,002	Upregulated

1,926	6.833×10^{-4}	0,002	Upregulated
2,508	6.866×10^{-4}	0,002	Upregulated
3,181	6.872×10^{-4}	0,002	Upregulated
-4,274	6.910×10^{-4}	0,002	Upregulated
1,643	6.911×10^{-4}	0,002	Upregulated
6,147	7.114×10^{-4}	0,002	Upregulated
-3,409	7.143×10^{-4}	0,002	Upregulated
1,332	7.154×10^{-4}	0,002	Upregulated
4,473	7.262×10^{-4}	0,002	Upregulated
1,438	7.291×10^{-4}	0,002	Upregulated
-2,585	7.320×10^{-4}	0,002	Upregulated
6,028	7.323×10^{-4}	0,002	Upregulated
4,619	7.358×10^{-4}	0,002	Upregulated
-1,817	7.422×10^{-4}	0,002	Upregulated
-4,194	7.463×10^{-4}	0,002	Downregulated
3,674	7.517×10^{-4}	0,002	Upregulated
2,581	7.646×10^{-4}	0,002	Upregulated
0,251	7.660×10^{-4}	0,002	Upregulated
-1,856	7.680×10^{-4}	0,002	Downregulated
-1,331	7.740×10^{-4}	0,002	Upregulated
-2,401	7.854×10^{-4}	0,002	Upregulated
2,932	8.015×10^{-4}	0,002	Downregulated
2,188	8.031×10^{-4}	0,002	Upregulated
-0,893	8.079×10^{-4}	0,002	Upregulated
4,396	8.156×10^{-4}	0,002	Upregulated
3,108	8.208×10^{-4}	0,002	Upregulated
4,889	8.315×10^{-4}	0,002	Upregulated
-3,103	8.426×10^{-4}	0,002	Upregulated
-1,341	8.555×10^{-4}	0,002	Downregulated
0,753	8.562×10^{-4}	0,002	Upregulated
-2,697	8.631×10^{-4}	0,002	Upregulated
4,996	8.744×10^{-4}	0,002	Upregulated
-2,185	8.784×10^{-4}	0,002	Upregulated
2,343	8.817×10^{-4}	0,002	Upregulated
3,755	8.961×10^{-4}	0,003	Upregulated
0,983	8.992×10^{-4}	0,003	Upregulated
-0,256	9.082×10^{-4}	0,003	Downregulated
4,118	9.115×10^{-4}	0,003	Upregulated
-4,885	9.167×10^{-4}	0,003	Downregulated
-4,811	9.176×10^{-4}	0,003	Downregulated
4,716	9.363×10^{-4}	0,003	Upregulated
0,580	9.399×10^{-4}	0,003	Upregulated
-0,247	9.425×10^{-4}	0,003	Upregulated
-1,905	9.452×10^{-4}	0,003	Upregulated
2,180	9.499×10^{-4}	0,003	Upregulated

2,794	9.645×10^{-4}	0,003	Upregulated
1,421	9.718×10^{-4}	0,003	Upregulated
2,160	9.733×10^{-4}	0,003	Upregulated
0,258	9.754×10^{-4}	0,003	Upregulated
-4,898	9.813×10^{-4}	0,003	Downregulated
1,071	9.825×10^{-4}	0,003	Upregulated
1,935	9.886×10^{-4}	0,003	Upregulated
-1,919	9.962×10^{-4}	0,003	Upregulated
0,025	1.003×10^{-3}	0,003	Upregulated
1,957	1.017×10^{-3}	0,003	Upregulated
-2,009	1.022×10^{-3}	0,003	Upregulated
-0,799	1.023×10^{-3}	0,003	Upregulated
1,842	1.024×10^{-3}	0,003	Upregulated
0,584	1.026×10^{-3}	0,003	Upregulated
3,006	1.047×10^{-3}	0,003	Upregulated
-0,940	1.047×10^{-3}	0,003	Downregulated
-3,685	1.050×10^{-3}	0,003	Upregulated
-1,505	1.058×10^{-3}	0,003	Upregulated
-3,213	1.075×10^{-3}	0,003	Upregulated
5,587	1.077×10^{-3}	0,003	Downregulated
-0,173	1.090×10^{-3}	0,003	Upregulated
-0,216	1.093×10^{-3}	0,003	Downregulated
2,835	1.096×10^{-3}	0,003	Upregulated
-3,238	1.103×10^{-3}	0,003	Upregulated
-4,624	1.107×10^{-3}	0,003	Downregulated
4,873	1.108×10^{-3}	0,003	Upregulated
-0,331	1.119×10^{-3}	0,003	Upregulated
0,367	1.122×10^{-3}	0,003	Upregulated
2,561	1.142×10^{-3}	0,003	Upregulated
4,928	1.158×10^{-3}	0,003	Upregulated
1,422	1.168×10^{-3}	0,003	Upregulated
0,767	1.169×10^{-3}	0,003	Upregulated
-3,982	1.173×10^{-3}	0,003	Upregulated
-3,649	1.182×10^{-3}	0,003	Upregulated
0,482	1.183×10^{-3}	0,003	Upregulated
5,846	1.195×10^{-3}	0,003	Upregulated
-3,418	1.217×10^{-3}	0,003	Upregulated
-4,646	1.236×10^{-3}	0,003	Downregulated
-2,940	1.256×10^{-3}	0,003	Upregulated
0,404	1.260×10^{-3}	0,003	Upregulated
4,635	1.265×10^{-3}	0,003	Upregulated
-1,015	1.266×10^{-3}	0,003	Upregulated
-4,551	1.266×10^{-3}	0,003	Downregulated
2,510	1.267×10^{-3}	0,003	Upregulated
2,783	1.286×10^{-3}	0,003	Upregulated

4,442	1.302×10^{-3}	0,004	Upregulated
-0,581	1.303×10^{-3}	0,004	Upregulated
1,811	1.304×10^{-3}	0,004	Upregulated
0,155	1.339×10^{-3}	0,004	Upregulated
-2,266	1.345×10^{-3}	0,004	Downregulated
-1,376	1.352×10^{-3}	0,004	Upregulated
-0,391	1.354×10^{-3}	0,004	Upregulated
1,621	1.355×10^{-3}	0,004	Upregulated
-2,063	1.361×10^{-3}	0,004	Upregulated
0,053	1.382×10^{-3}	0,004	Upregulated
4,450	1.382×10^{-3}	0,004	Upregulated
-1,961	1.401×10^{-3}	0,004	Upregulated
2,552	1.402×10^{-3}	0,004	Upregulated
3,756	1.403×10^{-3}	0,004	Upregulated
0,894	1.405×10^{-3}	0,004	Upregulated
1,636	1.406×10^{-3}	0,004	Downregulated
4,107	1.418×10^{-3}	0,004	Upregulated
-3,361	1.420×10^{-3}	0,004	Downregulated
-3,399	1.424×10^{-3}	0,004	Upregulated
-5,179	1.445×10^{-3}	0,004	Downregulated
-4,183	1.445×10^{-3}	0,004	Downregulated
0,700	1.446×10^{-3}	0,004	Upregulated
-4,129	1.452×10^{-3}	0,004	Upregulated
5,223	1.455×10^{-3}	0,004	Upregulated
2,150	1.482×10^{-3}	0,004	Upregulated
-3,596	1.483×10^{-3}	0,004	Upregulated
-0,884	1.509×10^{-3}	0,004	Upregulated
1,675	1.509×10^{-3}	0,004	Upregulated
-1,105	1.522×10^{-3}	0,004	Upregulated
2,761	1.555×10^{-3}	0,004	Upregulated
-2,440	1.561×10^{-3}	0,004	Upregulated
1,400	1.578×10^{-3}	0,004	Upregulated
-1,314	1.594×10^{-3}	0,004	Upregulated
0,756	1.597×10^{-3}	0,004	Upregulated
3,618	1.610×10^{-3}	0,004	Upregulated
-0,661	1.617×10^{-3}	0,004	Downregulated
-1,770	1.621×10^{-3}	0,004	Downregulated
1,261	1.628×10^{-3}	0,004	Upregulated
0,725	1.668×10^{-3}	0,004	Upregulated
-2,261	1.672×10^{-3}	0,004	Upregulated
-0,300	1.694×10^{-3}	0,004	Upregulated
4,110	1.694×10^{-3}	0,004	Upregulated
2,196	1.695×10^{-3}	0,004	Upregulated
-0,354	1.702×10^{-3}	0,004	Upregulated
9,709	1.720×10^{-3}	0,005	Upregulated

-1,257	1.731×10^{-3}	0,005	Upregulated
-3,065	1.735×10^{-3}	0,005	Upregulated
-1,345	1.740×10^{-3}	0,005	Upregulated
1,737	1.768×10^{-3}	0,005	Upregulated
2,316	1.773×10^{-3}	0,005	Upregulated
-0,227	1.779×10^{-3}	0,005	Upregulated
-4,133	1.800×10^{-3}	0,005	Downregulated
-0,013	1.812×10^{-3}	0,005	Upregulated
-4,335	1.833×10^{-3}	0,005	Upregulated
-3,044	1.835×10^{-3}	0,005	Downregulated
-1,565	1.850×10^{-3}	0,005	Upregulated
2,112	1.864×10^{-3}	0,005	Upregulated
0,793	1.891×10^{-3}	0,005	Upregulated
4,074	1.893×10^{-3}	0,005	Upregulated
1,926	1.893×10^{-3}	0,005	Upregulated
1,500	1.901×10^{-3}	0,005	Upregulated
-1,672	1.906×10^{-3}	0,005	Upregulated
3,998	1.908×10^{-3}	0,005	Upregulated
6,207	1.909×10^{-3}	0,005	Upregulated
2,967	1.951×10^{-3}	0,005	Upregulated
-2,423	1.974×10^{-3}	0,005	Upregulated
5,281	1.980×10^{-3}	0,005	Upregulated
1,230	1.983×10^{-3}	0,005	Upregulated
-3,034	2.006×10^{-3}	0,005	Upregulated
-4,970	2.011×10^{-3}	0,005	Downregulated
1,027	2.025×10^{-3}	0,005	Upregulated
4,281	2.032×10^{-3}	0,005	Upregulated
-5,187	2.052×10^{-3}	0,005	Downregulated
2,392	2.054×10^{-3}	0,005	Upregulated
1,225	2.058×10^{-3}	0,005	Downregulated
-3,730	2.071×10^{-3}	0,005	Upregulated
-3,012	2.075×10^{-3}	0,005	Upregulated
2,310	2.086×10^{-3}	0,005	Upregulated
0,394	2.095×10^{-3}	0,005	Upregulated
2,599	2.096×10^{-3}	0,005	Upregulated
-2,869	2.098×10^{-3}	0,005	Upregulated
0,179	2.101×10^{-3}	0,005	Upregulated
-2,894	2.112×10^{-3}	0,005	Downregulated
-2,523	2.115×10^{-3}	0,005	Upregulated
0,544	2.118×10^{-3}	0,005	Upregulated
1,896	2.145×10^{-3}	0,006	Upregulated
-2,213	2.149×10^{-3}	0,006	Upregulated
1,524	2.168×10^{-3}	0,006	Upregulated
0,847	2.239×10^{-3}	0,006	Upregulated
1,227	2.262×10^{-3}	0,006	Upregulated

2,308	2.267×10^{-3}	0,006	Upregulated
-4,094	2.272×10^{-3}	0,006	Upregulated
3,926	2.286×10^{-3}	0,006	Upregulated
-2,396	2.298×10^{-3}	0,006	Upregulated
1,251	2.302×10^{-3}	0,006	Upregulated
-4,000	2.323×10^{-3}	0,006	Upregulated
2,528	2.327×10^{-3}	0,006	Upregulated
0,246	2.335×10^{-3}	0,006	Upregulated
5,254	2.341×10^{-3}	0,006	Upregulated
4,505	2.354×10^{-3}	0,006	Upregulated
-0,929	2.362×10^{-3}	0,006	Downregulated
1,360	2.370×10^{-3}	0,006	Downregulated
3,395	2.377×10^{-3}	0,006	Downregulated
5,117	2.391×10^{-3}	0,006	Upregulated
2,890	2.465×10^{-3}	0,006	Upregulated
2,831	2.481×10^{-3}	0,006	Upregulated
1,127	2.487×10^{-3}	0,006	Upregulated
-5,141	2.501×10^{-3}	0,006	Downregulated
5,121	2.534×10^{-3}	0,006	Upregulated
3,321	2.539×10^{-3}	0,006	Upregulated
3,116	2.583×10^{-3}	0,007	Upregulated
0,611	2.606×10^{-3}	0,007	Upregulated
0,389	2.640×10^{-3}	0,007	Upregulated
0,447	2.666×10^{-3}	0,007	Upregulated
-3,141	2.670×10^{-3}	0,007	Upregulated
1,448	2.682×10^{-3}	0,007	Upregulated
1,305	2.685×10^{-3}	0,007	Upregulated
2,612	2.692×10^{-3}	0,007	Upregulated
-2,563	2.700×10^{-3}	0,007	Upregulated
3,244	2.715×10^{-3}	0,007	Upregulated
-2,500	2.715×10^{-3}	0,007	Downregulated
-1,045	2.730×10^{-3}	0,007	Upregulated
-3,147	2.740×10^{-3}	0,007	Upregulated
-4,426	2.791×10^{-3}	0,007	Downregulated
-1,908	2.803×10^{-3}	0,007	Upregulated
6,791	2.806×10^{-3}	0,007	Upregulated
1,613	2.819×10^{-3}	0,007	Upregulated
-2,716	2.852×10^{-3}	0,007	Upregulated
2,687	2.860×10^{-3}	0,007	Upregulated
1,070	2.943×10^{-3}	0,007	Upregulated
2,882	2.954×10^{-3}	0,007	Upregulated
-0,870	2.957×10^{-3}	0,007	Upregulated
3,596	3.019×10^{-3}	0,008	Upregulated
3,070	3.020×10^{-3}	0,008	Upregulated
2,217	3.029×10^{-3}	0,008	Upregulated

-0,666	3.029×10^{-3}	0,008	Upregulated
-4,178	3.038×10^{-3}	0,008	Upregulated
2,289	3.043×10^{-3}	0,008	Upregulated
3,624	3.068×10^{-3}	0,008	Upregulated
0,036	3.072×10^{-3}	0,008	Upregulated
-0,328	3.096×10^{-3}	0,008	Upregulated
-1,474	3.103×10^{-3}	0,008	Upregulated
-4,313	3.105×10^{-3}	0,008	Upregulated
-2,065	3.129×10^{-3}	0,008	Upregulated
4,275	3.137×10^{-3}	0,008	Upregulated
3,274	3.157×10^{-3}	0,008	Upregulated
-5,012	3.186×10^{-3}	0,008	Downregulated
1,632	3.259×10^{-3}	0,008	Upregulated
-4,348	3.260×10^{-3}	0,008	Downregulated
2,369	3.270×10^{-3}	0,008	Upregulated
0,743	3.283×10^{-3}	0,008	Upregulated
2,172	3.302×10^{-3}	0,008	Upregulated
-0,160	3.350×10^{-3}	0,008	Upregulated
1,873	3.386×10^{-3}	0,008	Upregulated
-1,449	3.407×10^{-3}	0,008	Upregulated
0,775	3.408×10^{-3}	0,008	Upregulated
-1,105	3.443×10^{-3}	0,008	Upregulated
1,880	3.449×10^{-3}	0,008	Upregulated
0,646	3.479×10^{-3}	0,009	Upregulated
3,345	3.481×10^{-3}	0,009	Upregulated
-2,069	3.508×10^{-3}	0,009	Upregulated
-1,119	3.510×10^{-3}	0,009	Upregulated
-2,126	3.511×10^{-3}	0,009	Upregulated
4,797	3.536×10^{-3}	0,009	Upregulated
-4,155	3.577×10^{-3}	0,009	Upregulated
-4,122	3.579×10^{-3}	0,009	Upregulated
-2,110	3.610×10^{-3}	0,009	Upregulated
0,429	3.633×10^{-3}	0,009	Upregulated
-3,816	3.652×10^{-3}	0,009	Upregulated
-2,692	3.665×10^{-3}	0,009	Upregulated
-0,846	3.668×10^{-3}	0,009	Upregulated
-5,218	3.721×10^{-3}	0,009	Downregulated
-3,448	3.784×10^{-3}	0,009	Upregulated
-3,808	3.795×10^{-3}	0,009	Upregulated
0,938	3.811×10^{-3}	0,009	Upregulated
2,849	3.817×10^{-3}	0,009	Upregulated
-2,941	3.855×10^{-3}	0,009	Downregulated
0,878	3.869×10^{-3}	0,009	Upregulated
-2,665	3.879×10^{-3}	0,009	Upregulated
0,247	3.894×10^{-3}	0,009	Upregulated

-4,515	3.908×10^{-3}	0,009	Downregulated
7,408	3.915×10^{-3}	0,009	Upregulated
1,714	3.921×10^{-3}	0,009	Upregulated
-5,102	3.942×10^{-3}	0,010	Downregulated
2,038	4.067×10^{-3}	0,010	Upregulated
-2,286	4.075×10^{-3}	0,010	Upregulated
0,257	4.107×10^{-3}	0,010	Upregulated
-2,823	4.126×10^{-3}	0,010	Upregulated

WT, Wilms' tumors; logFC, log2 of fold change; FDR,false discovery rate.