

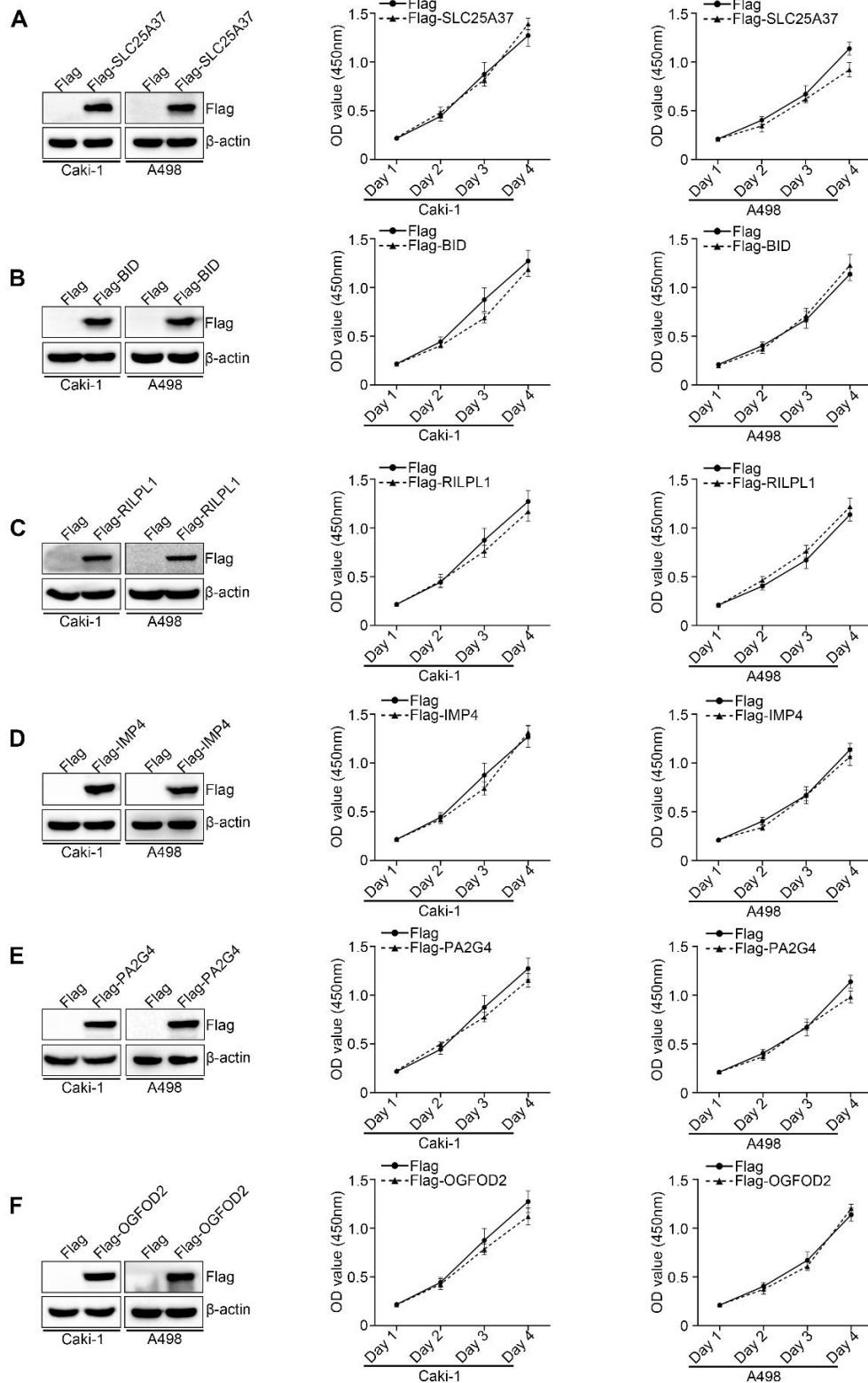
Supplemental Material

Alternative polyadenylation reprogramming of MORC2 induced by NUDT21 loss promotes KIRC carcinogenesis

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This file contains Supplemental Figures, Supplemental Tables and Supplemental Data.

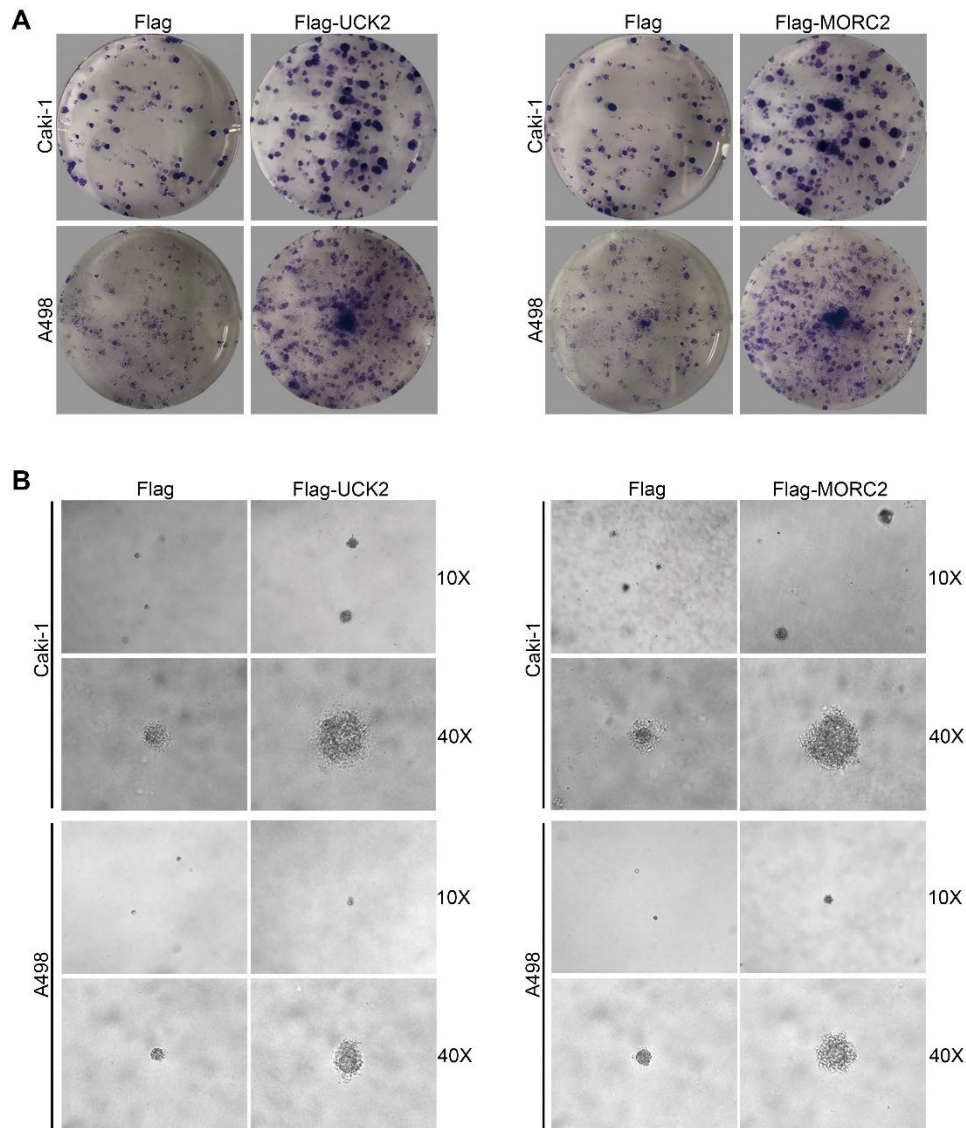
Supplemental Figures



Supplemental Figure 1. Among the genes with shortened 3'UTR in KIRC, *UCK2* and *MORC2* gain oncogenic potential.

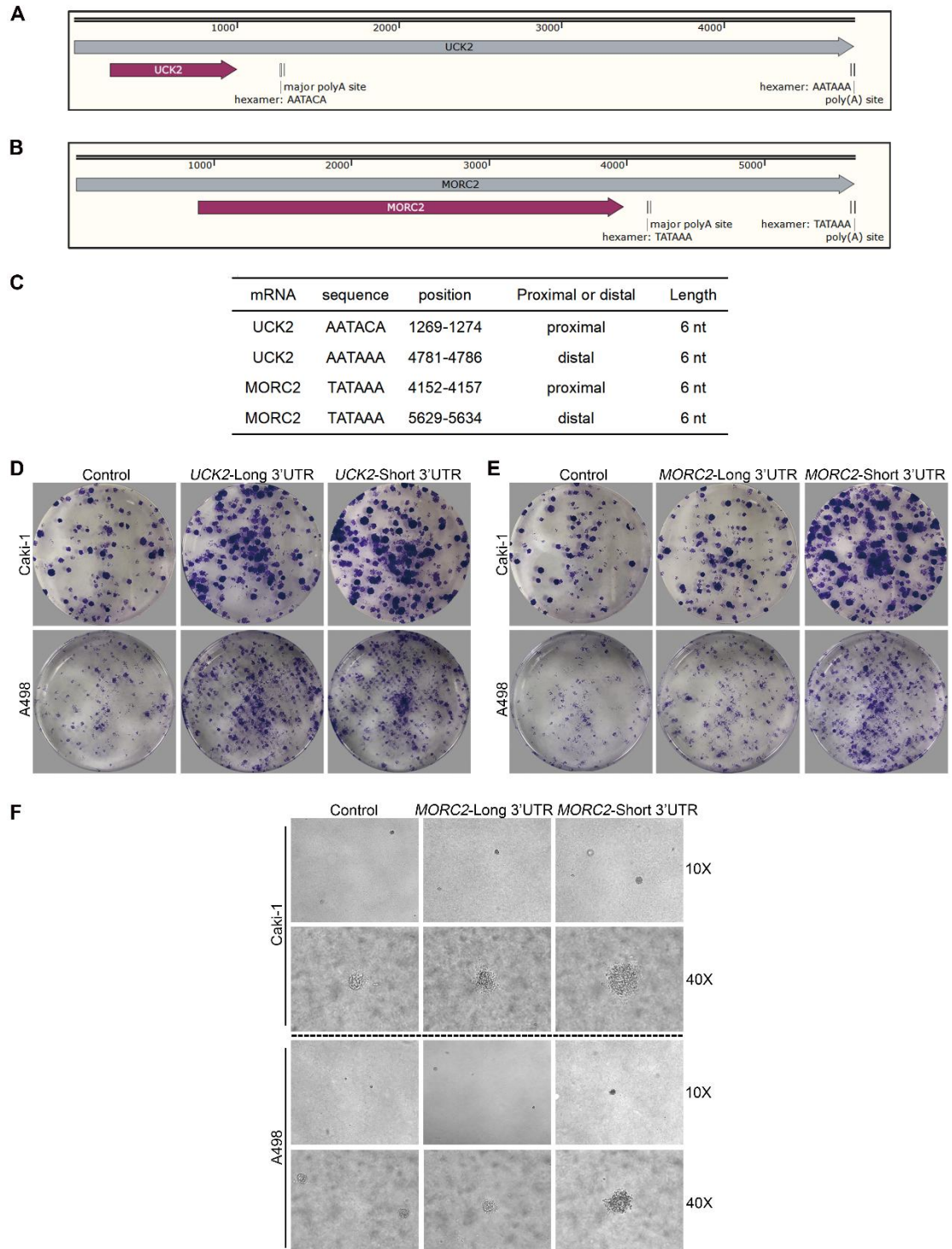
(A) CCK8 assay was performed to evaluate the proliferation rate of Caki-1 cells and

A498 cells transfected with empty Flag vector, Flag-SLC25A37 plasmid respectively. **(B)** CCK8 assay was performed to evaluate the proliferation rate of Caki-1 cells and A498 cells transfected with empty Flag vector, Flag-BID plasmid respectively. **(C)** CCK8 assay was performed to evaluate the proliferation rate of Caki-1 cells and A498 cells transfected with empty Flag vector, Flag-RILPL1 plasmid respectively. **(D)** CCK8 assay was performed to evaluate the proliferation rate of Caki-1 cells and A498 cells transfected with empty Flag vector, Flag-IMP4 plasmid respectively. **(E)** CCK8 assay was performed to evaluate the proliferation rate of Caki-1 cells and A498 cells transfected with empty Flag vector, Flag-PA2G4 plasmid respectively. **(F)** CCK8 assay was performed to evaluate the proliferation rate of Caki-1 cells and A498 cells transfected with empty Flag vector, Flag-OGFOD2 plasmid respectively.



Supplemental Figure 2. Ectopic expression of UCK2 or MORC2 favors the clonogenicity of KIRC cells.

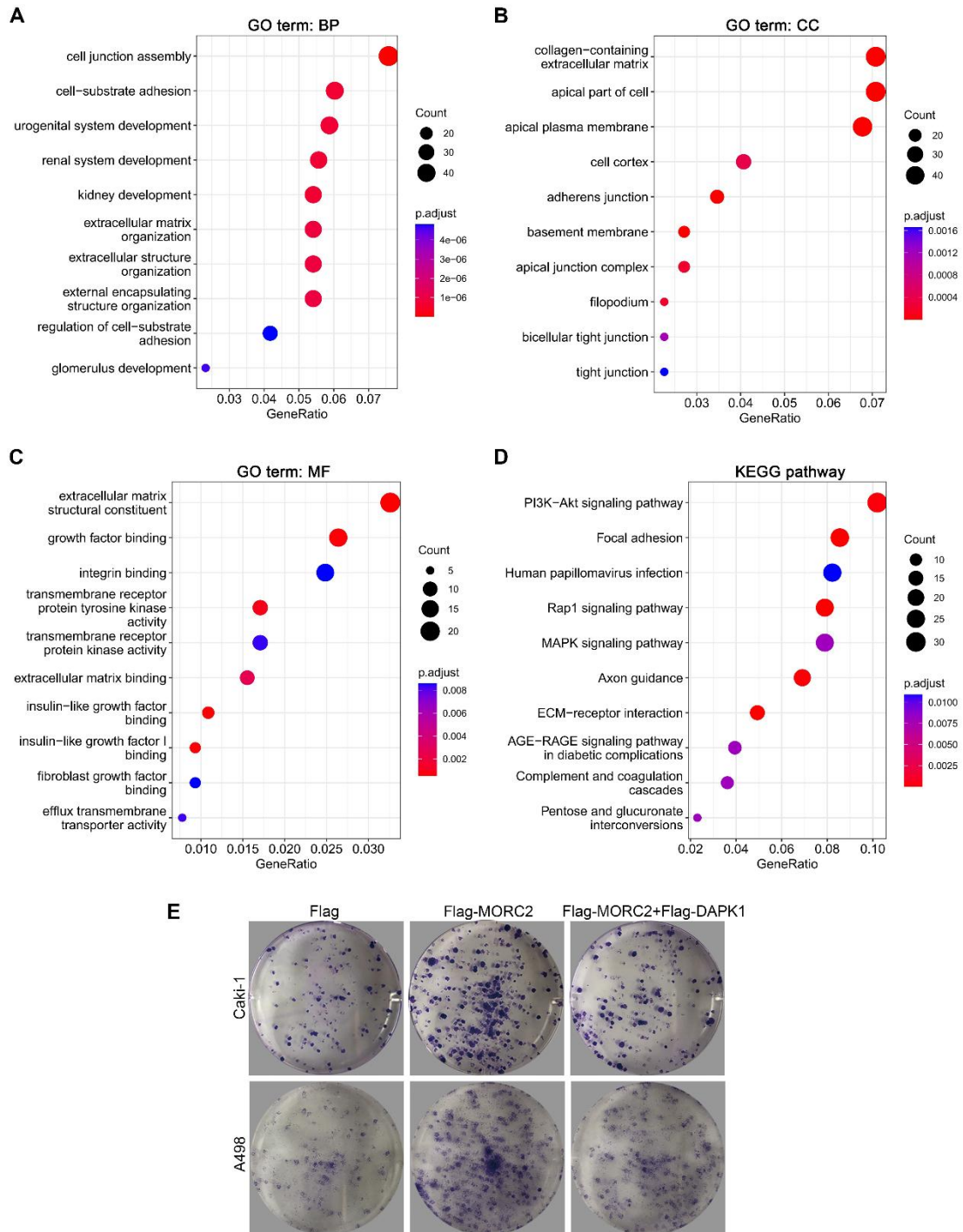
(A) The representative images of the clonogenicity of Caki-1 cell and A498 cells transfected with empty Flag vector, Flag-UCK2 or Flag-MORC2 plasmid respectively in colony formation assays. (B) The representative images of the clonogenicity of Caki-1 cell and A498 cells transfected with empty Flag vector, Flag-UCK2 or Flag-MORC2 plasmid respectively in soft agar assays.



Supplemental Figure 3. 3'UTR shortening enhances oncogenic potential of *MORC2* in KIRC via upregulating *MORC2*.

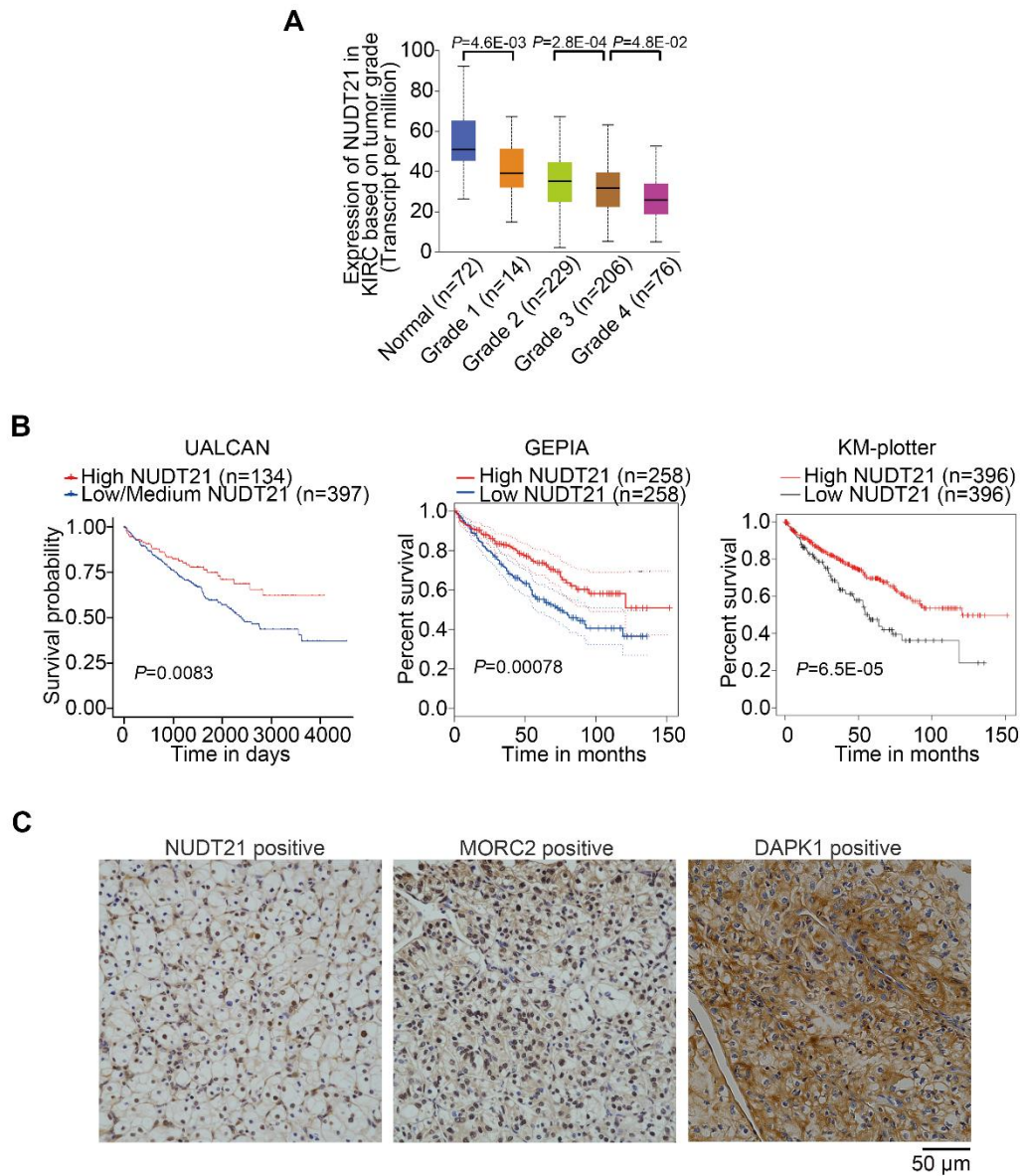
(A) Schematic diagram indicating the proximal polyA site (pPAS) of *UCK2* from NCBI Database. (B) Schematic diagram indicating the proximal polyA site (pPAS) of *MORC2* from NCBI Database. (C) The diagram indicating the detailed information of pPAS of *UCK2* and *MORC2* from NCBI Database. (D) The representative images of

the clonogenicity of Caki-1 cell and A498 cells transfected with short- or long-3'UTR *UCK2* plasmid respectively in colony formation assays. (E) The representative images of the clonogenicity of Caki-1 cell and A498 cells transfected with short- or long-3'UTR *MORC2* plasmid respectively in colony formation assays. (F) The representative images of the clonogenicity of Caki-1 cell and A498 cells transfected with short- or long-3'UTR *MORC2* plasmid respectively in soft agar assays.



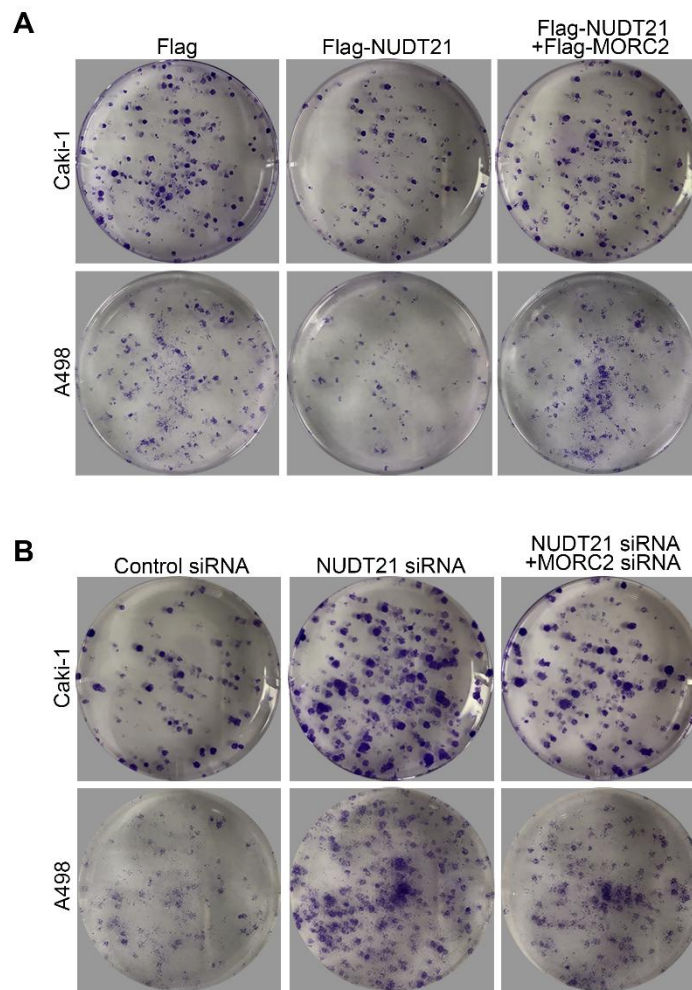
Supplemental Figure 4. *MORC2* acts as oncogene in KIRC mainly depending on downregulating tumor suppressor *DAPK1* via DNA methylation.

(A - C) The GO analysis of the genes downregulated by *MORC2*. (D) The KEGG analysis of the genes downregulated by *MORC2*. (E) The representative images of the clonogenicity of Caki-1 cell and A498 cells transfected with empty Flag vector or Flag-*MORC2* plasmid with or without *DAPK1* recovery.



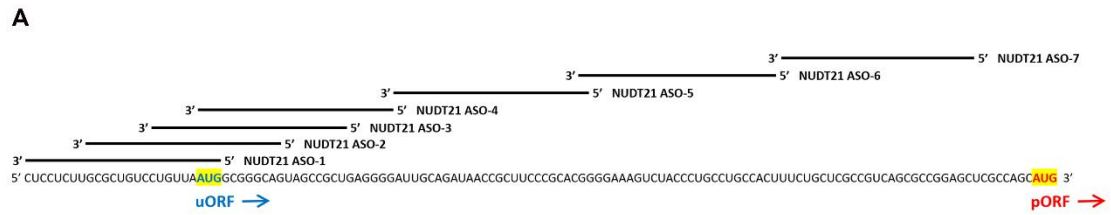
Supplemental Figure 5. Loss of APA regulator NUDT21 induces 3'UTR shortening and downregulation of MORC2 in KIRC.

(A) The association between *NUDT21* expression and tumor grade of KIRC was analyzed with UALCAN database. (B) Prognosis association of *NUDT21* in KIRC was analyzed with UALCAN (left), GEPIA (middle) and KM plotter (right) databases. (C) The representative IHC images of NUDT21-positive, MORC2-positive and DAPK1-positive specimens. Magnification: 40 \times .



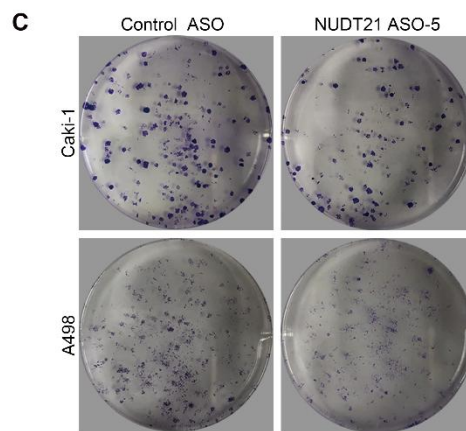
Supplemental Figure 6. NUDT21 functions as a tumor suppressor mainly depending on MORC2 downregulation.

(A) The representative images of the clonogenicity of Caki-1 cell and A498 cells transfected with empty Flag vector or Flag-NUDT21 with or without MORC2 recovery. (B) The representative images of the clonogenicity of Caki-1 cell and A498 cells transfected with empty Flag vector or Flag-NUDT21 with or without MORC2 recovery.



B

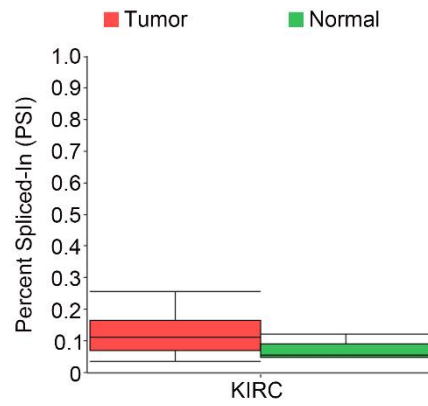
NUDT21 ASO-1 (+1+25): CAUUAACAGGACAGCGCAAGAGGAG	Targeting region: CUCCUCUUGCGCUGUCCUGUUA AUG
NUDT21 ASO-2 (+9+33): CUGCCCGCCAUUAACAGGACAGCGC	Targeting region: GCGCUGUCCUGUUA AUG GCGGGCAG
NUDT21 ASO-3 (+17+41): AGCGGCUACUGCCCGCCAUUAACAG	Targeting region: CUGUUA AUG GCGGGCAGUAGCCGCU
NUDT21 ASO-4 (+23+47): CCCUCAGCGGCUACUGCCCGCCAU	Targeting region: AUGGCGGGCAGUAGCCGCUAGAGGGG
NUDT21 ASO-5 (+48+72): CGUGCGGGAAGCGGUUAUCUGCAAU	Targeting region: AUUGCAGAUAAACCGCUUCCCGCACG
NUDT21 ASO-6 (+73+97): AGUGGCAGGCAGGGUAGACUUUCCC	Targeting region: GGGAAAGUCUACCCUGCCTGCCACU
NUDT21 ASO-7 (+98+122): GCUCCGGCGCUGACGGCGAGCAGAA	Targeting region: UUCUGCUCGCCGUCAGCGCCGGAGC



Supplemental Figure 7. Antisense oligonucleotides (ASOs) enhancing *NUDT21* expression inhibits proliferation and clonogenicity of KIRC cells.

(A) The diagram indicating the region of *NUDT21* mRNA which ASO-1, ASO-1, ASO-3, ASO-4, ASO-5, ASO-6 or ASO-7 targets. (B) The diagram indicating the detailed information of ASO-1, ASO-1, ASO-3, ASO-4, ASO-5, ASO-6 and ASO-7. (C) The representative images of the clonogenicity of Caki-1 cell and A498 cells transfected with control ASO or ASO-5.

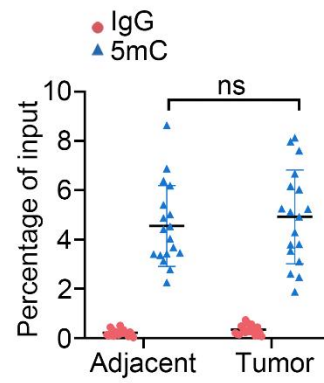
A



Supplemental Figure 8. The Percent Spliced-In of *MORC2* in KIRC and normal kidney.

(A) The Percent Spliced-In of *MORC2* in KIRC and normal kidney was analyzed with TCGA SpliceSeq Database database.

A



Supplemental Figure 9. The level of promoter methylation of *MORC2* is similar in KIRC tissues and matched kidney tissues.

(A) MeDIP assay was performed to evaluate the level of promoter methylation of *MORC2* in KIRC tissues and matched kidney tissues.

Supplemental Tables

Supplemental Table 1. Primers used for 3'RACE (5'-3')

Primers	Sequence
<i>MORC2</i> GSP-1	GGGGACTGAAGGCAGGAGAGAGAGCAGC
<i>MORC2</i> GSP-2	GGTCGCACCTTGGTTTGA CTTACACGGG

Supplemental Table 2. Primers used for plasmid constructions, qRT-PCR, ChIP/MeDIP and MORC2 3'UTR isoform specific PCR (5'-3')

Primers	Sequence
<i>SLC25A37</i> -F	ATGGAGCTGCGCAGCGGGAGC
<i>SLC25A37</i> -R	GTATGGAGCTCGATTTTCCAG
<i>BID</i> -F	ATGGACTGTGAGGTCAACAAC
<i>BID</i> -R	GTCCATCCCATTTCTGGCTAA
<i>UCK2</i> -F	ATGGCCGGGACAGCGAGCAG
<i>UCK2</i> -R	ATGCGGCCTGCTGCTGGACTC
<i>MORC2</i> -F	ATGGCTTTCACAAATTACAGC
<i>MORC2</i> -R	GTCCCCCTTGGTGATGAGGTC
<i>IMP4</i> -F	ATGCTGCGCCGCGAGGCCCGC
<i>IMP4</i> -R	CTCGGTGCTCAGGAAGACTCT
<i>PA2G4</i> -F	ATGTCGGGCGAGGACGAGCAA
<i>PA2G4</i> -R	GTCCCCAGCTTCATTTTCTTC
<i>OGFOD2</i> -F	ATGGCGACGGTGGGGGCTCCG
<i>OGFOD2</i> -R	GGTGAGCGCACATACATCCAC
<i>RILPL1</i> -F	ATGGAGGAGGAGCGGGGGTCG
<i>RILPL1</i> -R	CAGATGCTGCAGGGCTTCCTG
<i>DAPK1</i> -F	ATGACCGTGTTTCAGGCAGGAA
<i>DAPK1</i> -R	CCGGGATACAACAGAGCTAAT
<i>DNMT3A</i> -F	ATGCCCGCCATGCCCTCCAGC

<i>DNMT3A</i> -R	CACACACGCAAATACTCCTT
<i>DNMT3B</i> -F	ATGAAGGGAGACACCAGGCAT
<i>DNMT3B</i> -R	TTCACATGCAAAGTAGTCCTT
<i>CPSF1</i> -F	ATGTACGCCGTGTACAAACAG
<i>CPSF1</i> -R	GAAGTGGGCGGTGACGCGGTC
<i>CSTF2</i> -F	ATGGCGGGTTTACTGTGAGA
<i>CSTF2</i> -R	AGGTGCTCCAGTGGATTCTG
<i>CPSF7</i> -F	ATGGGACGGCCGAGTCTGCG
<i>CPSF7</i> -R	GTGGTGCCGGTCCCGTTCTCT
<i>NUDT21</i> -F	ATGTCTGTGGTACCGCCAAT
<i>NUDT21</i> -R	GTTGTAAATAAAATTGAACCT
<i>PCF11</i> -F	ATGTCAGAGCAGACGCCGCC
<i>PCF11</i> -R	AACTGACTCGACTGTGTCATT
<i>FIP1</i> -F	ATGTCGGCCGGCGAGGTCGAG
<i>FIP1</i> -R	TTCTGCAGGTGTAGCTTCGGT
<i>MORC2</i> pPAS-KO-F	GGAAAGGTGAGCCCCCAATC
<i>MORC2</i> pPAS-KO-R	AGATGAGGTGGTTAGACAGG
<i>NUDT21</i> upstream specific-F	TGTTAATGGCGGGCAGTAGC
<i>NUDT21</i> upstream specific-R	GACGGCGAGCAGAAAGTGGC
RT- <i>GAPDH</i> -F	ACAAC TTTGGTATCGTGGAAGG
RT- <i>GAPDH</i> -R	GCCATCACGCCACAGTTTC
RT- <i>HPRT</i> -F	CCTGGCGTCGTGATTAGTGAT
RT- <i>HPRT</i> -R	AGACGTT CAGTCCTGTCCATAA
RT- <i>DAPK1</i> -F	ACGTGGATGATTACTACGACACC
RT- <i>DAPK1</i> -R	TGCTTTTCTCACGGCATTCT
RT- <i>NUDT21</i> -F	GGTCACTCAGTTCGGCAACAA
RT- <i>NUDT21</i> -R	CTCATGCGCTGAAATCTGGC
RT- <i>MORC2</i> -Total-F	ATGAAGTAGGGCTCCAAAAC
RT- <i>MORC2</i> -Total-R	GGTCCTCAATGTAGGCGTCC

RT- <i>MORC2</i> -distal-F	CTGGATGTGCCTGTCTGGTGG
RT- <i>MORC2</i> -distal-R	TGAAGAGAGAGAGCAGGATGG
<i>DAPK1</i> -ChIP-PCR-F	GCCCAGCTTTAACAAAGGGTG
<i>DAPK1</i> -ChIP-PCR-R	CATGCATCAGTCTCCAGTCCT
<i>DAPK1</i> -ChIP-qPCR-F	GCCCAGCTTTAACAAAGGGTG
<i>DAPK1</i> -ChIP-qPCR-R	GCTAAGACCCCGCTCGCTG
<i>NUDT21</i> -ChIP-PCR-F	TACTGCCCCGCCATTAACAGG
<i>NUDT21</i> -ChIP-PCR-R	TCCAGCTATTGCAGCCATCC
<i>NUDT21</i> -ChIP-qPCR-F	GAAGTGAACCCGGAGCCTCT
<i>NUDT21</i> -ChIP-qPCR-R	TCCAGCTATTGCAGCCATCC
oligo(dT) primer	GCTGTCAACGATACGCTACGTAACGGCATGACAGTG(T) ₁₈

Supplemental Table 3. Sequences of siRNA and CRISPR sgRNA (5'-3')

siRNA or sgRNA	Sequence
Negative control siRNA	UUCUCCGAACGUGUCACGUTT
<i>MORC2</i> siRNA	GGACAUGAAGACGCAGGAATT
<i>NUDT21</i> siRNA	GCUAUUAUACAGUGUAGAAUTT
<i>DNMT3A</i> siRNA-1	GCCUGGAGCCACCAGAAGATT
<i>DNMT3A</i> siRNA-2	GAAAGCCAAGGUCAUUGCATT
<i>DNMT3B</i> siRNA-1	GCAACGAUCUCUCAAUGUTT
<i>DNMT3B</i> siRNA-2	GCUACACACAGGACUUGACTT
<i>MORC2</i> KO sgRNA	ACACCTGAGTCTACTCAGAT
<i>MORC2</i> pPAS KO sgRNA-1	ATGGGTTGGTGGTCGCACCT
<i>MORC2</i> pPAS KO sgRNA-2	GCAACCCAGTATGGCCAAAG
Negative control ASO	CCUCUUACCUCAGUUACAAUUUAUA

Supplemental Table 4. Biotin labeled RNA oligos for RNA-EMSA (5'-3'-Biotin)

Oligos	Sequence
<i>MORC2</i> WT	CACACACAUGUAAUCGAAAC
<i>MORC2</i> Mutant:	CACACACACUCGAUCGAAAC

Supplemental Table 5. Antibodies used in this study

Antibody	Vender	Cat. No.
MORC2	Bethyl Laboratories	A300-149
Flag	Sigma-Aldrich	F1804
5mC	Abcam	ab214727
β -actin	Abclonal	AC026
GFP	Abclonal	AE012
DNMT3A	CST	32578
DNMT3B	CST	57868
DAPK1	Abclonal	A5741
NUDT21	Abclonal	A4482

Supplemental Data

Supplemental Data 1. Genes with shortened 3'UTR in KIRC

Event_id	KIRC
NM_024731 KLHL36 chr16 +	-0.460625
NM_001190738 NFIB chr9 -	-0.455
NM_001135652 EIF2AK2 chr2 -	-0.45037037
NM_001142386 PDK3 chrX +	-0.425714286
NM_152793 C7orf41 chr7 +	-0.422916667
NM_001164182 ENTPD1 chr10 +	-0.420857143
NM_003599 SUPT3H chr6 -	-0.405909091
NM_018941 CLN8 chr8 +	-0.399583333
PPP2R5C chr14 +	-0.373341211
NM_005349 RBPJ chr4 +	-0.37125
NM_173829 SREK1IP1 chr5 -	-0.361875
NM_004928 C21orf2 chr21 -	-0.361724138
NM_001110792 MECP2 chrX -	-0.358
NM_001134232 TMEM106B chr7 +	-0.3568
NM_001098517 CADM1 chr11 -	-0.350625
NM_001173480 ARHGEF9 chrX -	-0.348235294
NM_001040445 ASB1 chr2 +	-0.347407407
NM_015459 ATL3 chr11 -	-0.345
NR_002791 EMX2OS chr10 -	-0.338235294
NR_023348 GAS8 chr16 +	-0.336153846
NM_015035 ZHX3 chr20 -	-0.334782609
NM_001424 EMP2 chr16 -	-0.334210526
NM_016418 NF2 chr22 +	-0.332666667
NM_175624 RAB3IP chr12 +	-0.32952381
NM_001142389 PNPLA4 chrX -	-0.328333333
NM_005793 NME6 chr3 -	-0.3275
NM_001004313 TMEM220 chr17 -	-0.324375
NM_205861 DHDDS chr1 +	-0.322666667
NM_001204064 CHURC1 chr14 +	-0.32125
NM_003300 TRAF3 chr14 +	-0.320625
NM_015704 PPPDE2 chr22 -	-0.319310345
NM_153029 N4BP1 chr16 -	-0.318888889
NM_001037333 CYFIP2 chr5 +	-0.318181818
NM_005124 NUP153 chr6 -	-0.318125
NM_005759 ABI2 chr2 +	-0.316923077
GLS chr2 +	-0.316702851
NM_001173431 OBSL1 chr2 -	-0.315333333
NM_016612 SLC25A37 chr8 +	-0.314857143

NM_001196 BID chr22 -	-0.313076923
NM_000428 LTBP2 chr14 -	-0.311923077
NM_003875 GMPS chr3 +	-0.311818182
NM_001105069 ACSM2B chr16 -	-0.310555556
NM_004863 SPTLC2 chr14 -	-0.309047619
NR_033361 TMCC1 chr3 -	-0.308409091
NM_032812 PLXDC2 chr10 +	-0.308333333
NM_139062 CSNK1D chr17 -	-0.307948718
NM_024632 SAP30L chr5 +	-0.305789474
NM_020696 KIAA1143 chr3 -	-0.305
NM_000259 MYO5A chr15 -	-0.303461538
NM_178314 RILPL1 chr12 -	-0.303181818
PCGF5 chr10 +	-0.302195945
NM_016422 RNF141 chr11 -	-0.300588235
NR_015341 LRRC37BP1 chr17 +	-0.3
NM_001076684 UBTF chr17 -	-0.298666667
NM_002141 HOXA4 chr7 -	-0.298333333
NM_001202470 RPS10-NUDT3 chr6 -	-0.298235294
NM_001184723 TM4SF18 chr3 -	-0.298214286
NM_152416 C8orf38 chr8 +	-0.298
NM_152734 C6orf89 chr6 +	-0.295454545
NM_013321 SNX8 chr7 -	-0.295416667
NM_001012973 PLAC9 chr10 +	-0.294782609
DEF8 chr16 +	-0.294714747
NM_014965 TRAK1 chr3 +	-0.294705882
NM_015255 UBR2 chr6 +	-0.294615385
NM_178012 TUBB2B chr6 -	-0.294583333
NM_032448 FAM120B chr6 +	-0.293181818
NM_015944 AMDHD2 chr16 +	-0.293043478
NM_022899 ACTR8 chr3 -	-0.292142857
NM_003818 CDS2 chr20 +	-0.291764706
NM_012474 UCK2 chr1 +	-0.291111111
NM_005008 NHP2L1 chr22 -	-0.290869565
NM_014934 DZIP1 chr13 -	-0.2908
NM_012192 FXC1 chr11 +	-0.290714286
NM_013449 BAZ2A chr12 -	-0.29
NM_015305 ANGEL1 chr14 -	-0.289411765
NM_018697 LANCL2 chr7 +	-0.2875
NM_001145354 MKLN1 chr7 +	-0.287333333
NM_004804 CIAO1 chr2 +	-0.2865
NM_012345 NUFIP1 chr13 -	-0.286470588
NM_015607 CHTOP chr1 +	-0.28625
NM_002154 HSPA4 chr5 +	-0.2859375

NM_002936 RNASEH1 chr2 -	-0.285714286
NM_001206652 SH3GLB1 chr1 +	-0.285333333
NM_003177 SYK chr9 +	-0.284117647
FLT1 chr13 -	-0.2839709
NM_030813 CLPB chr11 -	-0.282222222
NM_003681 PDXK chr21 +	-0.281875
BCCIP chr10 +	-0.280160305
NM_006741 PPP1R1A chr12 -	-0.28
NM_014941 MORC2 chr22 -	-0.279722222
NM_033416 IMP4 chr2 +	-0.279130435
NM_015321 CRTC1 chr19 +	-0.278888889
NM_016329 SFMBT1 chr3 -	-0.27875
NM_183323 PAIP1 chr5 -	-0.278
NM_017670 OTUB1 chr11 +	-0.277333333
NM_152388 TMEM237 chr2 -	-0.276470588
NM_020320 RARS2 chr6 -	-0.275
FGFR1OP2 chr12 +	-0.273595038
NM_033637 BTRC chr10 +	-0.273571429
NM_012141 INTS6 chr13 -	-0.272142857
NM_001173513 TXNRD3 chr3 -	-0.271428571
RPP30 chr10 +	-0.269744303
NM_006110 CD2BP2 chr16 -	-0.269285714
NM_020374 C12orf4 chr12 -	-0.269166667
NAAA chr4 -	-0.268142971
NM_153329 ALDH16A1 chr19 +	-0.267333333
NM_206831 DPH3 chr3 -	-0.267142857
NM_016141 DYNC1LI1 chr3 -	-0.266875
NM_183245 INVS chr9 +	-0.266875
NM_006191 PA2G4 chr12 +	-0.2635
NM_172250 MMAA chr4 +	-0.262666667
NM_203458 NOTCH2NL chr1 +	-0.262
NM_015247 CYLD chr16 +	-0.261428571
NM_003062 SLIT3 chr5 -	-0.260588235
PVRL2 chr19 +	-0.257987638
NM_138991 BACE2 chr21 +	-0.257777778
NM_152346 SLC43A2 chr17 -	-0.257727273
NM_017872 THG1L chr5 +	-0.256315789
CYHR1 chr8 -	-0.255828417
NM_016185 HN1 chr17 -	-0.253157895
NM_001160305 SETD6 chr16 +	-0.253
NM_017994 C7orf42 chr7 +	-0.2525
NM_017896 C20orf11 chr20 +	-0.251764706
NM_018003 UACA chr15 -	-0.250909091

NM_020662 MRS2 chr6 +	-0.248947368
NM_198901 SRI chr7 -	-0.2455
NM_022455 NSD1 chr5 +	-0.245
NM_016138 COQ7 chr16 +	-0.242352941
NM_130759 GIMAP1 chr7 +	-0.242
NM_024562 TMCO7 chr16 +	-0.24125
NM_002634 PHB chr17 -	-0.24
NM_012472 LRRC6 chr8 -	-0.238571429
NM_024623 OGFOD2 chr12 +	-0.221333333

Supplemental Data 2. Downregulated genes upon MORC2 overexpression

Gene id	Gene name	Fold change	log ₂ (fc)	P value
ENSG00000137801	THBS1	0.03	-4.95	0
ENSG00000165376	CLDN2	0.01	-6.08	0
ENSG00000151892	GFRA1	0.02	-5.84	0
ENSG00000272398	CD24	0.01	-7.15	0
ENSG00000146674	IGFBP3	0.09	-3.54	0.00
ENSG00000120594	PLXDC2	0.10	-3.35	0.00
ENSG00000038427	VCAN	0.11	-3.20	0.00
ENSG00000122870	BICC1	0.18	-2.45	0.00
ENSG00000137731	FXYD2	0.07	-3.77	0.00
ENSG00000108861	DUSP3	0.14	-2.82	0.00
ENSG00000225339	AL354740	0.04	-4.57	0.00
ENSG00000101384	JAG1	0.14	-2.80	0.00
ENSG00000158258	CLSTN2	0.01	-6.26	0.00
ENSG00000137962	ARHGAP29	0.19	-2.37	0.00
ENSG00000168077	SCARA3	0.11	-3.12	0.00
ENSG00000134516	DOCK2	0.24	-2.06	0.00
ENSG00000113361	CDH6	0.27	-1.88	0.00
ENSG00000120885	CLU	0.25	-2.01	0.00
ENSG00000105855	ITGB8	0.09	-3.45	0.00
ENSG00000118898	PPL	0.10	-3.27	0.00
ENSG00000163453	IGFBP7	0.32	-1.65	0.00
ENSG00000065534	MYLK	0.24	-2.07	0.00
ENSG00000166833	NAV2	0.18	-2.49	0.00
ENSG00000198074	AKR1B10	0.16	-2.65	0.00
ENSG00000019505	SYT13	0.28	-1.85	0.00
ENSG00000134215	VAV3	0.08	-3.64	0.00
ENSG00000115221	ITGB6	0.12	-3.03	0.00
ENSG00000101333	PLCB4	0.20	-2.34	0.00
ENSG00000259207	ITGB3	0.30	-1.76	0.00
ENSG00000162692	VCAM1	0.27	-1.91	0.00
ENSG00000182168	UNC5C	0.04	-4.50	0.00
ENSG00000196730	DAPK1	0.18	-2.46	0.00
ENSG00000057019	DCBLD2	0.32	-1.63	0.00
ENSG00000152952	PLOD2	0.31	-1.71	0.00
ENSG00000112769	LAMA4	0.33	-1.61	0.00
ENSG00000145147	SLIT2	0.07	-3.88	0.00
ENSG00000206190	ATP10A	0.10	-3.30	0.00
ENSG00000091656	ZFHX4	0.26	-1.94	0.00
ENSG00000275410	HNF1B	0.28	-1.86	0.00
ENSG00000183018	SPNS2	0.04	-4.55	0.00
ENSG00000163235	TGFA	0.35	-1.50	0.00
ENSG00000136883	KIF12	0.10	-3.31	0.00
ENSG00000083857	FAT1	0.38	-1.40	0.00
ENSG00000120738	EGR1	0.16	-2.61	0.00
ENSG00000123485	HIURP	0.33	-1.61	0.00
ENSG00000064042	LIMCH1	0.31	-1.67	0.00
ENSG00000150938	CRIM1	0.33	-1.62	0.00
ENSG00000154229	PRKCA	0.38	-1.38	0.00
ENSG00000019991	HGF	0.02	-5.47	0.00
ENSG00000189056	RELN	0.25	-1.99	0.00
ENSG00000112175	BMP5	0.15	-2.78	0.00
ENSG00000109321	AREG	0.37	-1.42	0.00
ENSG00000198796	ALPK2	0.19	-2.43	0.00
ENSG00000173482	PTPRM	0.37	-1.44	0.00
ENSG00000053747	LAMA3	0.36	-1.48	0.00
ENSG00000090530	P3H2	0.33	-1.59	0.00
ENSG00000113249	HAVCR1	0.31	-1.70	0.00

ENSG00000149948	HMGA2	0.38	-1.39	0.00
ENSG00000142910	TINAGL1	0.20	-2.29	0.00
ENSG00000196139	AKR1C3	0.43	-1.22	0.00
ENSG00000148498	PARD3	0.38	-1.38	0.00
ENSG00000086062	B4GALT1	0.39	-1.34	0.00
ENSG00000134871	COL4A2	0.43	-1.23	0.00
ENSG00000158089	GALNT14	0.31	-1.68	0.00
ENSG00000133131	MORC4	0.38	-1.40	0.00
ENSG00000112414	ADGRG6	0.09	-3.42	0.00
ENSG00000187498	COL4A1	0.42	-1.25	0.00
ENSG00000105329	TGFB1	0.33	-1.62	0.00
ENSG00000143126	CELSR2	0.24	-2.03	0.00
ENSG00000143674	MAP3K21	0.32	-1.64	0.00
ENSG00000134901	POGLUT2	0.32	-1.66	0.00
ENSG00000169439	SDC2	0.17	-2.59	0.00
ENSG00000242265	PEG10	0.38	-1.41	0.00
ENSG00000117115	PADI2	0.18	-2.51	0.00
ENSG00000163629	PTPN13	0.26	-1.92	0.00
ENSG00000075223	SEMA3C	0.38	-1.39	0.00
ENSG00000182809	CRIP2	0.17	-2.53	0.00
ENSG00000265972	TXNIP	0.40	-1.31	0.00
ENSG00000148468	FAM171A1	0.32	-1.65	0.00
ENSG00000054654	SYNE2	0.21	-2.28	0.00
ENSG00000169604	ANTXR1	0.36	-1.49	0.00
ENSG00000078725	BRINP1	0.09	-3.54	0.00
ENSG00000152377	SPOCK1	0.42	-1.24	0.00
ENSG00000188483	IER5L	0.27	-1.91	0.00
ENSG00000185551	NR2F2	0.44	-1.20	0.00
ENSG00000064393	HIPK2	0.44	-1.17	0.00
ENSG00000168502	MTCL1	0.37	-1.44	0.00
ENSG00000146555	SDK1	0.20	-2.31	0.00
ENSG00000130702	LAMA5	0.32	-1.62	0.00
ENSG00000124602	UNC5CL	0.07	-3.84	0.00
ENSG00000152818	UTRN	0.27	-1.87	0.00
ENSG00000188158	NHS	0.16	-2.60	0.00
ENSG00000184349	EFNA5	0.28	-1.86	0.00
ENSG00000125257	ABCC4	0.38	-1.41	0.00
ENSG00000166741	NNMT	0.43	-1.23	0.00
ENSG00000102271	KLHL4	0.09	-3.48	0.00
ENSG00000147676	MAL2	0.24	-2.03	0.00
ENSG00000080823	MOK	0.32	-1.65	0.00
ENSG00000128849	CGNL1	0.24	-2.07	0.00
ENSG00000183780	SLC35F3	0.15	-2.77	0.00
ENSG00000002587	HS3ST1	0.12	-3.06	0.00
ENSG00000171234	UGT2B7	0.30	-1.76	0.00
ENSG00000151632	AKR1C2	0.28	-1.84	0.00
ENSG00000183098	GPC6	0.31	-1.67	0.00
ENSG00000187244	BCAM	0.15	-2.77	0.00
ENSG00000152767	FARP1	0.37	-1.44	0.00
ENSG00000135919	SERPINE2	0.29	-1.77	0.00
ENSG00000172296	SPTLC3	0.29	-1.78	0.00
ENSG00000187764	SEMA4D	0.40	-1.33	0.00
ENSG00000061918	GUCY1B1	0.20	-2.34	0.00
ENSG00000001617	SEMA3F	0.25	-1.98	0.00
ENSG00000151914	DST	0.38	-1.40	0.00
ENSG00000286546	AL079338	0.25	-1.98	0.00
ENSG00000085563	ABCB1	0.21	-2.29	0.00
ENSG00000283154	IOCJ-SCHIP1	0.25	-2.00	0.00
ENSG00000131069	ACSS2	0.33	-1.59	0.00
ENSG00000134986	NREP	0.37	-1.44	0.00
ENSG00000166025	AMOTL1	0.41	-1.30	0.00

ENSG00000261115	TMEM178B	0.37	-1.44	0.00
ENSG00000243649	CFB	0.41	-1.28	0.00
ENSG00000157483	MYO1E	0.44	-1.20	0.00
ENSG00000125848	FLRT3	0.11	-3.19	0.00
ENSG00000186340	THBS2	0.44	-1.18	0.00
ENSG00000131941	RHPN2	0.38	-1.41	0.00
ENSG00000115306	SPTBN1	0.52	-0.94	0.00
ENSG00000157110	RBPMS	0.44	-1.19	0.00
ENSG00000132470	ITGB4	0.19	-2.40	0.00
ENSG00000124564	SLC17A3	0.12	-3.01	0.00
ENSG00000011028	MRC2	0.51	-0.96	0.00
ENSG00000115738	ID2	0.29	-1.78	0.00
ENSG00000117519	CNN3	0.43	-1.20	0.00
ENSG00000107282	APBA1	0.09	-3.48	0.00
ENSG00000147027	TMEM47	0.29	-1.80	0.00
ENSG00000101335	MYL9	0.48	-1.05	0.00
ENSG00000108639	SYNGR2	0.51	-0.98	0.00
ENSG00000100065	CARD10	0.33	-1.60	0.00
ENSG00000101849	TBL1X	0.44	-1.20	0.00
ENSG00000144810	COL8A1	0.27	-1.89	0.00
ENSG00000139998	RAB15	0.27	-1.89	0.00
ENSG00000101654	RNMT	0.42	-1.24	0.00
ENSG00000139734	DIAPH3	0.35	-1.52	0.00
ENSG00000173530	TNFRSF10D	0.38	-1.38	0.00
ENSG00000180914	OXTR	0.27	-1.91	0.00
ENSG00000160867	EGFR4	0.42	-1.26	0.00
ENSG00000099194	SCD	0.49	-1.04	0.00
ENSG00000105976	MET	0.49	-1.02	0.00
ENSG00000124006	OBSL1	0.34	-1.58	0.00
ENSG00000134369	NAV1	0.51	-0.98	0.00
ENSG00000261298	AC122134	0.14	-2.79	0.00
ENSG00000117152	RGS4	0.08	-3.67	0.00
ENSG00000159335	PTMS	0.44	-1.18	0.00
ENSG00000152078	TLCD4	0.18	-2.47	0.00
ENSG00000111344	RASAL1	0.11	-3.22	0.00
ENSG00000131094	C10L1	0.26	-1.94	0.00
ENSG00000119403	PHF19	0.46	-1.13	0.00
ENSG00000172915	NBEA	0.28	-1.83	0.00
ENSG00000140416	TPM1	0.40	-1.34	0.00
ENSG00000115419	GLS	0.53	-0.91	0.00
ENSG00000137809	ITGA11	0.13	-2.94	0.00
ENSG00000106688	SLC1A1	0.23	-2.15	0.00
ENSG00000165092	ALDH1A1	0.48	-1.07	0.00
ENSG00000182197	EXT1	0.51	-0.97	0.00
ENSG00000091972	CD200	0.07	-3.85	0.00
ENSG00000206053	JPT2	0.48	-1.06	0.00
ENSG00000127863	TNFRSF19	0.07	-3.93	0.00
ENSG00000162433	AK4	0.42	-1.26	0.00
ENSG00000176842	IRX5	0.26	-1.96	0.00
ENSG00000094916	CBX5	0.52	-0.93	0.00
ENSG00000128973	CLN6	0.47	-1.08	0.00
ENSG00000131018	SYNE1	0.38	-1.40	0.00
ENSG00000137807	KIF23	0.41	-1.29	0.00
ENSG00000164574	GALNT10	0.40	-1.31	0.00
ENSG00000177721	ANXA2R	0.17	-2.55	0.00
ENSG00000137819	PAOR5	0.22	-2.20	0.00
ENSG00000140443	IGF1R	0.48	-1.07	0.00
ENSG00000091136	LAMB1	0.56	-0.85	0.00
ENSG00000137310	TCF19	0.41	-1.27	0.00
ENSG00000162631	NTNG1	0.36	-1.48	0.00
ENSG00000077420	APBB1IP	0.48	-1.06	0.00

ENSG00000112246	SIM1	0.22	-2.19	0.00
ENSG00000018408	WWTR1	0.47	-1.09	0.00
ENSG00000174080	CTSF	0.35	-1.51	0.00
ENSG00000000971	CFH	0.36	-1.49	0.00
ENSG00000186566	GPATCH8	0.45	-1.16	0.00
ENSG00000080493	SLC4A4	0.34	-1.55	0.00
ENSG00000169504	CLIC4	0.52	-0.93	0.00
ENSG00000123080	CDKN2C	0.46	-1.12	0.00
ENSG00000137449	CPEB2	0.35	-1.51	0.00
ENSG00000163762	TM4SF18	0.48	-1.07	0.00
ENSG00000173402	DAG1	0.54	-0.88	0.00
ENSG00000005884	ITGA3	0.56	-0.83	0.00
ENSG00000152894	PTPRK	0.42	-1.25	0.00
ENSG00000092964	DPYSL2	0.51	-0.97	0.00
ENSG00000166448	TMEM130	0.10	-3.39	0.00
ENSG00000114480	GBE1	0.51	-0.99	0.00
ENSG00000167191	GPRC5B	0.41	-1.29	0.00
ENSG00000114346	ECT2	0.46	-1.13	0.00
ENSG00000065328	MCM10	0.44	-1.19	0.00
ENSG00000160094	ZNF362	0.29	-1.76	0.00
ENSG00000145819	ARHGAP26	0.34	-1.57	0.00
ENSG00000156140	ADAMTS3	0.31	-1.68	0.00
ENSG00000008441	NFIX	0.49	-1.02	0.00
ENSG00000114279	FGF12	0.23	-2.14	0.00
ENSG00000134243	SORT1	0.38	-1.40	0.00
ENSG00000040275	SPDL1	0.44	-1.17	0.00
ENSG00000139263	LRIG3	0.38	-1.39	0.00
ENSG00000063180	CA11	0.11	-3.17	0.00
ENSG00000115415	STAT1	0.43	-1.21	0.00
ENSG00000179772	FOXS1	0.05	-4.32	0.00
ENSG00000197444	OGDHL	0.35	-1.52	0.00
ENSG00000182871	COL18A1	0.54	-0.88	0.00
ENSG00000152104	PTPN14	0.57	-0.81	0.00
ENSG00000115252	PDE1A	0.09	-3.49	0.00
ENSG00000115380	EFEMP1	0.28	-1.86	0.00
ENSG00000218336	TENM3	0.39	-1.37	0.00
ENSG00000197457	STMN3	0.16	-2.64	0.00
ENSG00000156218	ADAMTSL3	0.21	-2.28	0.00
ENSG00000143061	IGSF3	0.53	-0.92	0.00
ENSG00000122884	P4HA1	0.51	-0.96	0.00
ENSG00000240694	PNMA2	0.18	-2.48	0.00
ENSG00000114541	FRMD4B	0.16	-2.63	0.00
ENSG00000183856	IOGAP3	0.53	-0.92	0.00
ENSG00000100644	HIF1A	0.51	-0.96	0.00
ENSG00000115414	FN1	0.57	-0.81	0.00
ENSG00000104537	ANXA13	0.03	-4.97	0.00
ENSG00000147862	NFIB	0.47	-1.10	0.00
ENSG00000186185	KIF18B	0.44	-1.17	0.00
ENSG00000241119	UGT1A9	0.26	-1.94	0.00
ENSG00000185104	FAF1	0.49	-1.04	0.00
ENSG00000105429	MEGF8	0.48	-1.06	0.00
ENSG00000154310	TNIK	0.35	-1.53	0.00
ENSG00000188042	ARL4C	0.59	-0.77	0.00
ENSG00000196141	SPATS2L	0.41	-1.27	0.00
ENSG00000104998	IL27RA	0.47	-1.09	0.00
ENSG00000075420	FNDC3B	0.48	-1.06	0.00
ENSG00000178531	CTXN1	0.38	-1.40	0.00
ENSG00000109814	UGDH	0.35	-1.50	0.00
ENSG00000100994	PYGB	0.55	-0.86	0.00
ENSG00000131153	GINS2	0.49	-1.02	0.00
ENSG00000121361	KCNJ8	0.24	-2.08	0.00

ENSG00000151388	ADAMTS12	0.55	-0.87	0.00
ENSG00000167632	TRAPPC9	0.42	-1.27	0.00
ENSG00000116106	EPHA4	0.21	-2.27	0.00
ENSG00000106546	AHR	0.47	-1.08	0.00
ENSG00000079308	TNS1	0.33	-1.59	0.00
ENSG00000237649	KIFC1	0.51	-0.98	0.00
ENSG00000142279	WTIP	0.34	-1.58	0.00
ENSG00000038382	TRIO	0.51	-0.97	0.00
ENSG00000197959	DNM3	0.27	-1.90	0.00
ENSG00000133216	EPHB2	0.59	-0.76	0.00
ENSG00000126878	AIF1L	0.16	-2.64	0.00
ENSG00000162105	SHANK2	0.41	-1.28	0.00
ENSG00000101868	POLA1	0.37	-1.45	0.00
ENSG00000141002	TCF25	0.55	-0.86	0.00
ENSG00000131747	TOP2A	0.48	-1.07	0.00
ENSG00000153048	CARHSP1	0.56	-0.83	0.00
ENSG00000079691	CARMIL1	0.46	-1.13	0.00
ENSG00000162522	KIAA1522	0.48	-1.05	0.00
ENSG00000082438	COBLL1	0.27	-1.90	0.00
ENSG00000166106	ADAMTS15	0.04	-4.72	0.00
ENSG00000104765	BNIP3L	0.55	-0.85	0.00
ENSG00000124171	PARD6B	0.29	-1.78	0.00
ENSG00000066279	ASPM	0.41	-1.29	0.00
ENSG00000151640	DPYSL4	0.20	-2.30	0.00
ENSG00000116237	ICMT	0.57	-0.81	0.00
ENSG00000167930	FAM234A	0.53	-0.92	0.00
ENSG00000164638	SLC29A4	0.25	-2.02	0.00
ENSG00000118762	PKD2	0.51	-0.98	0.00
ENSG00000125966	MMP24	0.33	-1.59	0.00
ENSG00000105767	CADM4	0.20	-2.32	0.00
ENSG00000134333	LDHA	0.62	-0.68	0.00
ENSG00000135476	ESPL1	0.46	-1.11	0.00
ENSG00000186918	ZNF395	0.50	-1.01	0.00
ENSG00000082482	KCNK2	0.14	-2.82	0.00
ENSG00000075711	DLG1	0.49	-1.04	0.00
ENSG00000152256	PDK1	0.46	-1.13	0.00
ENSG00000136636	KCTD3	0.55	-0.86	0.00
ENSG00000163781	TOPBP1	0.54	-0.90	0.00
ENSG00000132561	MATN2	0.30	-1.76	0.00
ENSG00000166589	CDH16	0.15	-2.72	0.00
ENSG00000121152	NCAPH	0.50	-0.99	0.00
ENSG00000183444	OR7E38P	0.15	-2.78	0.00
ENSG00000143228	NUF2	0.43	-1.22	0.00
ENSG00000117724	CENPF	0.46	-1.14	0.00
ENSG00000132182	NUP210	0.54	-0.90	0.00
ENSG00000067167	TRAM1	0.54	-0.88	0.00
ENSG00000171298	GAA	0.52	-0.95	0.00
ENSG00000136156	ITM2B	0.60	-0.74	0.00
ENSG00000134013	LOXL2	0.60	-0.73	0.00
ENSG00000185090	MANEAL	0.27	-1.88	0.00
ENSG00000171791	BCL2	0.17	-2.59	0.00
ENSG00000080986	NDC80	0.43	-1.21	0.00
ENSG00000124568	SLC17A1	0.04	-4.61	0.00
ENSG00000120802	TMPO	0.57	-0.82	0.00
ENSG00000071242	RPS6KA2	0.40	-1.33	0.00
ENSG00000138032	PPM1B	0.47	-1.09	0.00
ENSG00000164050	PLXNB1	0.39	-1.35	0.00
ENSG00000126603	GLIS2	0.49	-1.02	0.00
ENSG00000166224	SGPL1	0.56	-0.84	0.00
ENSG00000130508	PXDN	0.60	-0.73	0.00
ENSG00000166033	HTRA1	0.56	-0.84	0.00

ENSG00000233237	LINC00472	0.48	-1.07	0.00
ENSG00000134690	CDCA8	0.54	-0.90	0.00
ENSG00000170876	TMEM43	0.57	-0.81	0.00
ENSG00000152527	PLEKHH2	0.22	-2.18	0.00
ENSG00000144554	FANCD2	0.46	-1.13	0.00
ENSG00000154734	ADAMTS1	0.55	-0.87	0.00
ENSG00000165626	BEND7	0.58	-0.78	0.00
ENSG00000205403	CFI	0.16	-2.63	0.00
ENSG00000070159	PTPN3	0.55	-0.87	0.00
ENSG00000183255	PTTG1IP	0.61	-0.71	0.00
ENSG00000104419	NDRG1	0.59	-0.77	0.00
ENSG00000170421	KRT8	0.61	-0.70	0.00
ENSG00000129173	E2F8	0.29	-1.78	0.00
ENSG00000198053	SIRPA	0.57	-0.81	0.00
ENSG00000132849	PATJ	0.41	-1.29	0.00
ENSG00000082497	SERTAD4	0.43	-1.22	0.00
ENSG00000179862	CITED4	0.47	-1.09	0.00
ENSG00000165102	HGSNAT	0.58	-0.79	0.00
ENSG00000196670	ZFP62	0.17	-2.58	0.00
ENSG00000118007	STAG1	0.51	-0.96	0.00
ENSG00000163359	COL6A3	0.52	-0.93	0.00
ENSG00000154175	ABI3BP	0.42	-1.24	0.00
ENSG00000130193	THEM6	0.45	-1.14	0.00
ENSG00000184897	H1-10	0.48	-1.07	0.00
ENSG00000196975	ANXA4	0.61	-0.71	0.00
ENSG00000145715	RASA1	0.54	-0.88	0.00
ENSG00000187634	SAMD11	0.08	-3.70	0.00
ENSG00000170044	ZPLD1	0.13	-2.96	0.00
ENSG00000073350	LLGL2	0.15	-2.76	0.00
ENSG00000172380	GNG12	0.57	-0.81	0.00
ENSG00000110328	GALNT18	0.34	-1.57	0.00
ENSG00000164116	GUCY1A1	0.14	-2.79	0.00
ENSG00000115935	WIPF1	0.48	-1.06	0.00
ENSG00000112984	KIF20A	0.57	-0.82	0.00
ENSG00000235142	LINC02532	0.01	-7.19	0.00
ENSG00000124766	SOX4	0.57	-0.80	0.00
ENSG00000131067	GGT7	0.41	-1.30	0.00
ENSG00000113657	DPYSL3	0.62	-0.69	0.00
ENSG00000175215	CTDSP2	0.62	-0.69	0.00
ENSG00000197249	SERPINA1	0.28	-1.83	0.00
ENSG00000142303	ADAMTS10	0.29	-1.78	0.00
ENSG00000115902	SLC1A4	0.42	-1.26	0.00
ENSG00000137673	MMP7	0.16	-2.64	0.00
ENSG00000076003	MCM6	0.57	-0.82	0.00
ENSG00000205336	ADGRG1	0.39	-1.34	0.00
ENSG00000131981	LGALS3	0.57	-0.82	0.00
ENSG00000275342	PRAG1	0.44	-1.18	0.00
ENSG00000173068	BNC2	0.40	-1.33	0.00
ENSG00000118495	PLAGL1	0.44	-1.19	0.00
ENSG00000058804	NDC1	0.56	-0.84	0.00
ENSG00000108175	ZMIZ1	0.60	-0.74	0.00
ENSG00000173334	TRIB1	0.54	-0.89	0.00
ENSG00000183248	PRR36	0.20	-2.34	0.00
ENSG00000107331	ABCA2	0.52	-0.93	0.00
ENSG00000169432	SCN9A	0.14	-2.81	0.00
ENSG00000100811	YY1	0.58	-0.79	0.00
ENSG00000013619	MAMLD1	0.35	-1.51	0.00
ENSG00000153395	LPCAT1	0.57	-0.80	0.00
ENSG00000197226	TBC1D9B	0.60	-0.73	0.00
ENSG00000163584	RPL22L1	0.44	-1.18	0.00
ENSG00000146477	SLC22A3	0.26	-1.93	0.00

ENSG00000206503	HLA-A	0.56	-0.83	0.00
ENSG00000176171	BNIP3	0.62	-0.69	0.00
ENSG00000132326	PER2	0.34	-1.55	0.00
ENSG00000141959	PFKL	0.57	-0.81	0.00
ENSG00000143653	SCCPDH	0.60	-0.73	0.00
ENSG00000008710	PKD1	0.50	-0.99	0.00
ENSG00000213123	TCTEX1D2	0.29	-1.77	0.00
ENSG00000106012	IOCE	0.34	-1.58	0.00
ENSG00000116044	NFE2L2	0.54	-0.88	0.00
ENSG00000121039	RDH10	0.52	-0.93	0.00
ENSG00000115109	EPB41L5	0.35	-1.52	0.00
ENSG00000182718	ANXA2	0.59	-0.75	0.00
ENSG00000147852	VLDLR	0.47	-1.09	0.00
ENSG00000160299	PCNT	0.53	-0.91	0.00
ENSG00000178401	DNAJC22	0.35	-1.50	0.00
ENSG00000184445	KNTC1	0.47	-1.08	0.00
ENSG00000077684	JADE1	0.47	-1.09	0.00
ENSG00000088325	TPX2	0.63	-0.67	0.00
ENSG00000035403	VCL	0.65	-0.63	0.00
ENSG00000047648	ARHGAP6	0.13	-2.94	0.00
ENSG00000072501	SMC1A	0.63	-0.67	0.00
ENSG00000158856	DMTN	0.58	-0.79	0.00
ENSG00000086758	HUWE1	0.63	-0.66	0.00
ENSG00000157514	TSC22D3	0.48	-1.05	0.00
ENSG00000149503	INCENP	0.55	-0.87	0.00
ENSG00000149571	KIRREL3	0.13	-2.98	0.00
ENSG00000147324	MFHAS1	0.55	-0.87	0.00
ENSG00000184661	CDCA2	0.50	-1.01	0.00
ENSG00000106462	EZH2	0.55	-0.85	0.00
ENSG00000135636	DYSF	0.21	-2.26	0.00
ENSG00000049239	H6PD	0.61	-0.72	0.00
ENSG00000175970	UNC119B	0.61	-0.71	0.00
ENSG00000141858	SAMD1	0.56	-0.83	0.00
ENSG00000198535	C2CD4A	0.01	-6.69	0.00
ENSG00000153721	CNKSR3	0.41	-1.29	0.00
ENSG00000173706	HEG1	0.58	-0.78	0.00
ENSG00000141738	GRB7	0.30	-1.73	0.00
ENSG00000075539	FRYL	0.55	-0.85	0.00
ENSG00000145431	PDGFC	0.52	-0.94	0.00
ENSG00000058091	CDK14	0.47	-1.08	0.00
ENSG00000149591	TAGLN	0.38	-1.38	0.00
ENSG00000101265	RASSF2	0.51	-0.96	0.00
ENSG00000137942	FNBP1L	0.46	-1.11	0.00
ENSG00000236039	AC019117	0.14	-2.81	0.00
ENSG00000143847	PPFIA4	0.22	-2.18	0.00
ENSG00000145687	SSBP2	0.37	-1.44	0.00
ENSG00000177303	CASKIN2	0.49	-1.02	0.00
ENSG00000007968	E2F2	0.31	-1.70	0.00
ENSG00000138448	ITGAV	0.59	-0.76	0.00
ENSG00000133135	RNF128	0.53	-0.91	0.00
ENSG00000170312	CDK1	0.55	-0.86	0.00
ENSG00000168140	VASN	0.43	-1.21	0.00
ENSG00000049130	KITLG	0.41	-1.30	0.00
ENSG00000067606	PRKCZ	0.20	-2.34	0.00
ENSG00000187955	COL14A1	0.33	-1.58	0.00
ENSG00000197157	SND1	0.65	-0.63	0.00
ENSG00000260927	AC009107	0.09	-3.42	0.00
ENSG00000105486	LIG1	0.56	-0.84	0.00
ENSG00000066629	EML1	0.55	-0.85	0.00
ENSG00000146592	CREB5	0.55	-0.87	0.00
ENSG00000162591	MEGF6	0.06	-4.01	0.00

ENSG00000111276	CDKN1B	0.54	-0.90	0.00
ENSG00000100154	TTC28	0.49	-1.01	0.00
ENSG00000087274	ADD1	0.64	-0.65	0.00
ENSG00000180263	FGD6	0.59	-0.77	0.00
ENSG00000187741	FANCA	0.54	-0.89	0.00
ENSG00000174332	GLIS1	0.44	-1.19	0.00
ENSG00000157985	AGAP1	0.60	-0.75	0.00
ENSG00000164128	NPY1R	0.30	-1.73	0.00
ENSG00000108924	HLF	0.36	-1.48	0.00
ENSG00000205542	TMSB4X	0.67	-0.58	0.00
ENSG00000147394	ZNF185	0.34	-1.57	0.00
ENSG00000198589	LRBA	0.57	-0.80	0.00
ENSG00000151474	FRMD4A	0.61	-0.71	0.00
ENSG00000111057	KRT18	0.53	-0.93	0.00
ENSG00000139266	MARCF9	0.30	-1.72	0.00
ENSG00000109107	ALDOC	0.46	-1.14	0.00
ENSG00000108846	ABCC3	0.65	-0.63	0.00
ENSG00000132394	EEFSEC	0.50	-1.00	0.00
ENSG00000185483	ROR1	0.30	-1.73	0.00
ENSG00000173517	PEAK1	0.54	-0.88	0.00
ENSG00000079616	KIF22	0.60	-0.73	0.00
ENSG00000105974	CAV1	0.58	-0.78	0.00
ENSG00000142197	DOP1B	0.61	-0.71	0.00
ENSG00000128272	ATF4	0.57	-0.81	0.00
ENSG00000253729	PRKDC	0.67	-0.58	0.00
ENSG00000160145	KALRN	0.42	-1.26	0.00
ENSG00000166508	MCM7	0.64	-0.65	0.00
ENSG00000177084	POLE	0.55	-0.85	0.00
ENSG00000077063	CTTNBP2	0.27	-1.91	0.00
ENSG00000180340	FZD2	0.61	-0.71	0.00
ENSG00000160949	TONSL	0.57	-0.80	0.00
ENSG00000058056	USP13	0.61	-0.71	0.00
ENSG00000105088	OLFM2	0.23	-2.10	0.00
ENSG00000163683	SMIM14	0.53	-0.91	0.00
ENSG00000143878	RHOB	0.59	-0.77	0.00
ENSG00000066933	MYO9A	0.52	-0.95	0.00
ENSG00000113810	SMC4	0.48	-1.05	0.00
ENSG00000286190	AC055839	0.24	-2.03	0.00
ENSG00000162613	FUBP1	0.62	-0.68	0.00
ENSG00000173875	ZNF791	0.22	-2.18	0.00
ENSG00000075218	GTSE1	0.51	-0.98	0.00
ENSG00000165527	ARF6	0.61	-0.71	0.00
ENSG00000140396	NCOA2	0.56	-0.84	0.00
ENSG00000168778	TCTN2	0.49	-1.03	0.00
ENSG00000178202	POGLUT3	0.55	-0.85	0.00
ENSG00000004660	CAMKK1	0.57	-0.82	0.00
ENSG00000100106	TRIOBP	0.55	-0.85	0.00
ENSG00000141736	ERBB2	0.56	-0.85	0.00
ENSG00000134294	SLC38A2	0.60	-0.75	0.00
ENSG00000156639	ZFAND3	0.59	-0.76	0.00
ENSG00000010803	SCMH1	0.38	-1.40	0.00
ENSG00000168056	LTBP3	0.58	-0.79	0.00
ENSG00000119333	WDR34	0.54	-0.88	0.00
ENSG00000162607	USP1	0.59	-0.75	0.00
ENSG00000143845	ETNK2	0.30	-1.73	0.00
ENSG00000269378	AC022149	0.57	-0.81	0.00
ENSG00000171843	MLLT3	0.48	-1.05	0.00
ENSG00000174891	RSRC1	0.51	-0.98	0.00
ENSG00000138160	KIF11	0.56	-0.83	0.00
ENSG00000109586	GALNT7	0.57	-0.82	0.00
ENSG00000224389	C4B	0.10	-3.36	0.00

ENSG00000163535	SGO2	0.41	-1.30	0.00
ENSG00000154080	CHST9	0.23	-2.09	0.00
ENSG00000132549	VPS13B	0.53	-0.91	0.00
ENSG00000234912	SNHG20	0.40	-1.33	0.00
ENSG00000146648	EGFR	0.66	-0.59	0.00
ENSG00000101935	AMMECR1	0.61	-0.72	0.00
ENSG00000113721	PDGFRB	0.43	-1.20	0.00
ENSG00000258947	TUBB3	0.59	-0.77	0.00
ENSG00000158352	SHROOM4	0.42	-1.24	0.00
ENSG00000135862	LAMC1	0.69	-0.54	0.00
ENSG00000182132	KCNIP1	0.10	-3.37	0.00
ENSG00000171564	FGB	0.00	-12.56	0.00
ENSG00000054277	OPN3	0.46	-1.13	0.00
ENSG00000171388	APLN	0.09	-3.41	0.00
ENSG00000146670	CDCA5	0.61	-0.71	0.00
ENSG00000187720	THSD4	0.52	-0.93	0.00
ENSG00000181894	ZNF329	0.27	-1.90	0.00
ENSG00000106714	CNTNAP3	0.20	-2.36	0.00
ENSG00000172716	SLFN11	0.61	-0.70	0.00
ENSG00000118263	KLF7	0.52	-0.94	0.00
ENSG00000154839	SKA1	0.34	-1.57	0.00
ENSG00000163808	KIF15	0.34	-1.57	0.00
ENSG00000165304	MELK	0.54	-0.88	0.00
ENSG00000175643	RMI2	0.48	-1.05	0.00
ENSG00000253661	ZFHX4-AS1	0.20	-2.30	0.00
ENSG00000159788	RGS12	0.55	-0.87	0.00
ENSG00000074054	CLASP1	0.61	-0.71	0.00
ENSG00000177030	DEAF1	0.56	-0.83	0.00
ENSG00000118523	CCN2	0.57	-0.81	0.00
ENSG00000196230	TUBB	0.68	-0.56	0.00
ENSG00000123095	BHLHE41	0.60	-0.74	0.00
ENSG00000154978	VOPP1	0.56	-0.84	0.00
ENSG00000069275	NUCKS1	0.67	-0.58	0.00
ENSG00000182010	RTKN2	0.24	-2.04	0.00
ENSG00000285417	BX571818	0.58	-0.79	0.00
ENSG00000141298	SSH2	0.48	-1.05	0.00
ENSG00000076382	SPAG5	0.60	-0.74	0.00
ENSG00000167972	ABCA3	0.18	-2.44	0.00
ENSG00000073921	PICALM	0.57	-0.80	0.00
ENSG00000109084	TMEM97	0.59	-0.77	0.00
ENSG00000213853	EMP2	0.41	-1.28	0.00
ENSG00000110917	MLEC	0.69	-0.53	0.00
ENSG00000172037	LAMB2	0.60	-0.74	0.00
ENSG00000120875	DUSP4	0.55	-0.85	0.00
ENSG00000167601	AXL	0.66	-0.59	0.00
ENSG00000088812	ATRN	0.62	-0.68	0.00
ENSG00000085999	RAD54L	0.46	-1.13	0.00
ENSG00000214517	PPME1	0.57	-0.82	0.00
ENSG00000114554	PLXNA1	0.65	-0.62	0.00
ENSG00000233491	AC008163	0.12	-3.08	0.00
ENSG00000038945	MSR1	0.34	-1.55	0.00
ENSG00000168575	SLC20A2	0.55	-0.87	0.00
ENSG00000158195	WASF2	0.66	-0.59	0.00
ENSG00000182481	KPNA2	0.69	-0.53	0.00
ENSG00000101447	FAM83D	0.55	-0.85	0.00
ENSG00000122863	CHST3	0.64	-0.65	0.00
ENSG00000258586	LINC02274	0.36	-1.49	0.00
ENSG00000080345	RIF1	0.52	-0.95	0.00
ENSG00000123684	LPGAT1	0.66	-0.60	0.00
ENSG00000104324	CPO	0.52	-0.95	0.00
ENSG00000118407	FILIP1	0.13	-2.90	0.00

ENSG00000109805	NCAPG	0.53	-0.92	0.00
ENSG00000185585	OLFML2A	0.43	-1.20	0.00
ENSG00000148848	ADAM12	0.52	-0.93	0.00
ENSG00000071894	CPSF1	0.63	-0.67	0.00
ENSG00000116127	ALMS1	0.44	-1.20	0.00
ENSG00000179403	VWA1	0.40	-1.33	0.00
ENSG00000227766	AL671277	0.59	-0.77	0.00
ENSG00000116791	CRYZ	0.59	-0.75	0.00
ENSG00000176890	TYMS	0.53	-0.91	0.00
ENSG00000019485	PRDM11	0.56	-0.84	0.00
ENSG00000162063	CCNF	0.59	-0.76	0.00
ENSG00000162636	FAM102B	0.42	-1.26	0.00
ENSG00000090889	KIF4A	0.65	-0.63	0.00
ENSG00000165868	HSPA12A	0.58	-0.79	0.00
ENSG00000115464	USP34	0.56	-0.83	0.00
ENSG00000105971	CAV2	0.66	-0.60	0.00
ENSG00000231991	ANXA2P2	0.56	-0.83	0.00
ENSG00000131558	EXOC4	0.65	-0.61	0.00
ENSG00000072071	ADGRL1	0.29	-1.81	0.00
ENSG00000254300	LINC01111	0.08	-3.63	0.00
ENSG00000112624	BICRAL	0.53	-0.92	0.00
ENSG00000138604	GLCE	0.46	-1.11	0.00
ENSG00000101003	GINS1	0.55	-0.87	0.00
ENSG00000021300	PLEKHB1	0.34	-1.58	0.00
ENSG00000185697	MYBL1	0.44	-1.19	0.00
ENSG00000111371	SLC38A1	0.68	-0.56	0.00
ENSG00000234745	HLA-B	0.55	-0.85	0.00
ENSG00000188157	AGRN	0.65	-0.63	0.00
ENSG00000075275	CELSR1	0.61	-0.72	0.00
ENSG00000154127	UBASH3B	0.66	-0.60	0.00
ENSG00000140534	TICRR	0.48	-1.05	0.00
ENSG00000104738	MCM4	0.66	-0.61	0.00
ENSG00000144824	PHLDB2	0.51	-0.99	0.00
ENSG00000107863	ARHGAP21	0.65	-0.62	0.00
ENSG00000150093	ITGB1	0.60	-0.74	0.00
ENSG00000144218	AFF3	0.58	-0.78	0.00
ENSG00000214944	ARHGEF28	0.60	-0.74	0.00
ENSG00000055609	KMT2C	0.62	-0.68	0.00
ENSG00000100557	CCDC198	0.44	-1.20	0.00
ENSG00000118922	KLF12	0.37	-1.44	0.00
ENSG00000176692	FOXC2	0.44	-1.18	0.00
ENSG00000196526	AFAP1	0.61	-0.72	0.00
ENSG00000180815	MAP3K15	0.40	-1.32	0.00
ENSG00000166483	WEE1	0.57	-0.80	0.00
ENSG00000140525	FANCI	0.57	-0.81	0.00
ENSG00000122966	CIT	0.58	-0.78	0.00
ENSG00000143815	LBR	0.65	-0.61	0.00
ENSG00000156802	ATAD2	0.53	-0.93	0.00
ENSG00000092470	WDR76	0.46	-1.13	0.00
ENSG00000139174	PRICKLE1	0.38	-1.40	0.00
ENSG00000118785	SPP1	0.66	-0.60	0.00
ENSG00000125457	MIF4GD	0.48	-1.06	0.00
ENSG00000102189	EEA1	0.54	-0.90	0.00
ENSG00000143248	RGS5	0.33	-1.62	0.00
ENSG00000152253	SPC25	0.54	-0.90	0.00
ENSG00000198838	RYR3	0.22	-2.19	0.00
ENSG00000109794	FAM149A	0.37	-1.45	0.00
ENSG00000124225	PMEPA1	0.64	-0.64	0.00
ENSG00000120685	PROSER1	0.57	-0.82	0.00
ENSG00000285155	AC092153	0.08	-3.69	0.00
ENSG00000141562	NARF	0.63	-0.66	0.00

ENSG00000175567	UCP2	0.44	-1.18	0.00
ENSG00000115310	RTN4	0.71	-0.50	0.00
ENSG00000123989	CHPF	0.61	-0.72	0.00
ENSG00000258366	RTEL1	0.52	-0.95	0.00
ENSG00000137845	ADAM10	0.63	-0.66	0.00
ENSG00000184985	SORCS2	0.58	-0.78	0.00
ENSG00000142599	RERE	0.65	-0.63	0.00
ENSG00000011426	ANLN	0.58	-0.79	0.00
ENSG00000156970	BUB1B	0.59	-0.76	0.00
ENSG00000130827	PLXNA3	0.47	-1.09	0.00
ENSG00000157800	SLC37A3	0.49	-1.04	0.00
ENSG00000168610	STAT3	0.67	-0.59	0.00
ENSG00000174827	PDZK1	0.19	-2.37	0.00
ENSG00000092853	CLSPN	0.55	-0.87	0.00
ENSG00000286070	AP000356	0.01	-6.42	0.00
ENSG00000104341	LAPTM4B	0.71	-0.50	0.00
ENSG00000119280	Clorf198	0.60	-0.73	0.00
ENSG00000144455	SUMF1	0.44	-1.17	0.00
ENSG00000248098	BCKDHA	0.60	-0.74	0.00
ENSG00000163412	EIF4E3	0.21	-2.22	0.00
ENSG00000159216	RUNX1	0.52	-0.94	0.00
ENSG00000168300	PCMTD1	0.48	-1.07	0.00
ENSG00000072134	EPN2	0.50	-1.00	0.00
ENSG00000134198	TSPAN2	0.24	-2.04	0.00
ENSG00000073849	ST6GAL1	0.48	-1.07	0.00
ENSG00000187134	AKR1C1	0.62	-0.70	0.00
ENSG00000153904	DDAH1	0.36	-1.47	0.00
ENSG00000168096	ANKS3	0.56	-0.85	0.00
ENSG00000113441	LNPEP	0.65	-0.62	0.00
ENSG00000171435	KSR2	0.20	-2.34	0.00
ENSG00000047410	TPR	0.62	-0.68	0.00
ENSG00000131378	RFTN1	0.52	-0.95	0.00
ENSG00000184374	COLEC10	0.59	-0.75	0.00
ENSG00000163625	WDFY3	0.55	-0.85	0.00
ENSG00000171848	RRM2	0.66	-0.59	0.00
ENSG00000171603	CLSTN1	0.66	-0.60	0.00
ENSG00000181104	F2R	0.58	-0.79	0.00
ENSG00000105810	CDK6	0.60	-0.74	0.00
ENSG00000112759	SLC29A1	0.52	-0.95	0.00
ENSG00000100228	RAB36	0.51	-0.97	0.00
ENSG00000131779	PEX11B	0.58	-0.79	0.00
ENSG00000189060	H1-0	0.55	-0.85	0.00
ENSG00000107679	PLEKHA1	0.59	-0.76	0.00
ENSG00000138182	KIF20B	0.46	-1.12	0.00
ENSG00000137693	YAP1	0.66	-0.59	0.00
ENSG00000172824	CES4A	0.42	-1.27	0.00
ENSG00000182670	TTC3	0.51	-0.97	0.00
ENSG00000174684	B4GAT1	0.59	-0.76	0.00
ENSG00000130270	ATP8B3	0.41	-1.28	0.00
ENSG00000138449	SLC40A1	0.32	-1.62	0.00
ENSG00000174233	ADCY6	0.54	-0.88	0.00
ENSG00000068078	FGFR3	0.31	-1.69	0.00
ENSG00000109686	SH3D19	0.60	-0.73	0.00
ENSG00000135052	GOLM1	0.69	-0.54	0.00
ENSG00000254536	AL360181	0.27	-1.90	0.00
ENSG00000102007	PLP2	0.69	-0.54	0.00
ENSG00000137770	CTDSPL2	0.57	-0.82	0.00
ENSG00000161921	CXCL16	0.25	-2.00	0.00
ENSG00000102384	CENPI	0.53	-0.91	0.00
ENSG00000003436	TFPI	0.64	-0.66	0.00
ENSG00000173852	DPY19L1	0.63	-0.67	0.00

ENSG00000124440	HIF3A	0.37	-1.44	0.00
ENSG00000128951	DUT	0.58	-0.78	0.00
ENSG00000137831	UACA	0.50	-1.00	0.00
ENSG00000153071	DAB2	0.66	-0.59	0.00
ENSG00000130816	DNMT1	0.67	-0.57	0.00
ENSG00000151490	PTPRO	0.33	-1.59	0.00
ENSG00000269556	TMEM185A	0.58	-0.77	0.00
ENSG00000100196	KDELR3	0.56	-0.83	0.00
ENSG00000147044	CASK	0.63	-0.66	0.00
ENSG00000145386	CCNA2	0.63	-0.66	0.00
ENSG00000177565	TBL1XR1	0.67	-0.58	0.00
ENSG00000106484	MEST	0.16	-2.69	0.00
ENSG00000151725	CENPU	0.49	-1.03	0.00
ENSG00000143157	POGK	0.68	-0.55	0.00
ENSG00000092621	PHGDH	0.66	-0.61	0.00
ENSG00000177728	TMEM94	0.52	-0.94	0.00
ENSG00000099991	CABIN1	0.60	-0.74	0.00
ENSG00000176834	VSIG10	0.62	-0.69	0.00
ENSG00000175063	UBE2C	0.63	-0.67	0.00
ENSG00000120708	TGFBI	0.62	-0.70	0.00
ENSG00000177181	RIMKLA	0.07	-3.87	0.00
ENSG00000157510	AFAP1L1	0.64	-0.65	0.00
ENSG00000080824	HSP90AA1	0.68	-0.56	0.00
ENSG00000111206	FOXMI	0.69	-0.54	0.00
ENSG00000123815	COO8B	0.55	-0.85	0.00
ENSG00000143776	CDC42BPA	0.62	-0.69	0.00
ENSG00000103811	CTSH	0.59	-0.76	0.00
ENSG00000185480	PARBP	0.44	-1.20	0.00
ENSG00000151240	DIP2C	0.61	-0.70	0.00
ENSG00000119242	CCDC92	0.63	-0.68	0.00
ENSG00000188486	H2AX	0.67	-0.58	0.00
ENSG00000071967	CYBRD1	0.64	-0.64	0.00
ENSG00000133315	MACROD1	0.44	-1.18	0.00
ENSG00000144560	VGLL4	0.66	-0.60	0.00
ENSG00000128791	TWSG1	0.67	-0.57	0.00
ENSG00000164741	DLC1	0.62	-0.70	0.00
ENSG00000167165	UGT1A6	0.14	-2.79	0.00
ENSG00000100422	CERK	0.66	-0.60	0.00
ENSG00000081692	JMID4	0.55	-0.86	0.00
ENSG00000017797	RALBP1	0.69	-0.53	0.00
ENSG00000138134	STAMBPL1	0.51	-0.97	0.00
ENSG00000125398	SOX9	0.48	-1.05	0.00
ENSG00000128245	YWHAH	0.70	-0.52	0.00
ENSG00000278259	MYO19	0.66	-0.60	0.00
ENSG00000126787	DLGAP5	0.59	-0.77	0.00
ENSG00000137968	SLC44A5	0.17	-2.57	0.00
ENSG00000117713	ARID1A	0.68	-0.55	0.00
ENSG00000142173	COL6A2	0.67	-0.57	0.00
ENSG00000144724	PTPRG	0.40	-1.31	0.00
ENSG00000138587	MNS1	0.27	-1.90	0.00
ENSG00000125970	RALY	0.67	-0.58	0.00
ENSG00000077585	GPR137B	0.53	-0.92	0.00
ENSG00000139645	ANKRD52	0.64	-0.64	0.00
ENSG00000149929	HIRIP3	0.59	-0.77	0.00
ENSG00000197763	TXNRD3	0.53	-0.93	0.00
ENSG00000173715	C11orf80	0.42	-1.23	0.00
ENSG00000226445	BX32234	0.24	-2.06	0.00
ENSG00000259316	AC087632	0.03	-5.19	0.00
ENSG00000169129	AFAP1L2	0.63	-0.67	0.00
ENSG00000173950	XXYLT1	0.64	-0.64	0.00
ENSG00000154309	DISP1	0.58	-0.80	0.00

ENSG00000185591	SP1	0.69	-0.54	0.00
ENSG00000147274	RBMX	0.67	-0.57	0.00
ENSG00000125386	FAM193A	0.65	-0.62	0.00
ENSG00000170043	TRAPPC1	0.64	-0.64	0.00
ENSG00000110400	NECTIN1	0.45	-1.17	0.00
ENSG00000104881	PPP1R13L	0.56	-0.84	0.00
ENSG00000049618	ARID1B	0.64	-0.64	0.00
ENSG00000129925	PGAP6	0.65	-0.62	0.00
ENSG00000107140	TESK1	0.59	-0.76	0.00
ENSG00000150760	DOCK1	0.65	-0.62	0.00
ENSG00000173930	SLCO4C1	0.09	-3.44	0.00
ENSG00000090863	GLG1	0.68	-0.56	0.00
ENSG00000110693	SOX6	0.18	-2.50	0.00
ENSG00000091409	ITGA6	0.51	-0.98	0.00
ENSG00000117114	ADGRL2	0.40	-1.34	0.00
ENSG00000111087	GLI1	0.13	-2.98	0.00
ENSG00000197747	S100A10	0.72	-0.48	0.00
ENSG00000156103	MMP16	0.50	-0.99	0.00
ENSG00000251432	LINC02615	0.33	-1.62	0.00
ENSG00000102181	CD99L2	0.67	-0.57	0.00
ENSG00000181555	SETD2	0.62	-0.69	0.00
ENSG00000259768	AC004943	0.52	-0.93	0.00
ENSG00000164849	GPR146	0.31	-1.67	0.00
ENSG00000142871	CCN1	0.59	-0.76	0.00
ENSG00000173230	GOLGB1	0.65	-0.62	0.00
ENSG00000169122	FAM110B	0.12	-3.04	0.00
ENSG00000077782	FGFR1	0.49	-1.04	0.00
ENSG00000169418	NPR1	0.32	-1.66	0.00
ENSG00000101464	PIGU	0.59	-0.76	0.00
ENSG00000112294	ALDH5A1	0.57	-0.82	0.00
ENSG00000138185	ENTPD1	0.17	-2.57	0.00
ENSG00000100767	PAPLN	0.14	-2.88	0.00
ENSG00000173456	RNF26	0.67	-0.57	0.00
ENSG00000100297	MCM5	0.62	-0.68	0.00
ENSG00000026950	BTN3A1	0.54	-0.90	0.00
ENSG00000113269	RNF130	0.64	-0.64	0.00
ENSG00000142733	MAP3K6	0.53	-0.92	0.00
ENSG00000044115	CTNNA1	0.67	-0.57	0.00
ENSG00000117632	STMN1	0.57	-0.81	0.00
ENSG00000143147	GPR161	0.62	-0.68	0.00
ENSG00000103502	CDIPT	0.66	-0.60	0.00
ENSG00000178904	DPY19L3	0.49	-1.03	0.00
ENSG00000138246	DNAIC13	0.66	-0.59	0.00
ENSG00000151276	MAG11	0.53	-0.91	0.00
ENSG00000147162	OGT	0.70	-0.52	0.00
ENSG00000180592	SKIDA1	0.31	-1.69	0.00
ENSG00000162545	CAMK2N1	0.41	-1.29	0.00
ENSG00000128833	MYO5C	0.12	-3.04	0.00
ENSG00000179364	PACS2	0.58	-0.78	0.00
ENSG00000143643	TTC13	0.56	-0.82	0.00
ENSG00000102531	FNDC3A	0.66	-0.59	0.00
ENSG00000154240	CEP112	0.49	-1.04	0.00
ENSG00000137812	KNL1	0.38	-1.39	0.00
ENSG00000137804	NUSAP1	0.62	-0.68	0.00
ENSG00000127415	IDUA	0.50	-1.00	0.00
ENSG00000185347	TEDC1	0.49	-1.04	0.00
ENSG00000117394	SLC2A1	0.54	-0.90	0.00
ENSG00000133812	SBF2	0.59	-0.77	0.00
ENSG00000198914	POU3F3	0.65	-0.63	0.00
ENSG00000197969	VPS13A	0.56	-0.84	0.00
ENSG00000196367	TRRAP	0.69	-0.53	0.00

ENSG00000104723	TUSC3	0.59	-0.76	0.00
ENSG00000135968	GCC2	0.57	-0.81	0.00
ENSG00000100461	RBM23	0.66	-0.60	0.00
ENSG00000112851	ERBIN	0.64	-0.63	0.00
ENSG00000152795	HNRNPDL	0.72	-0.48	0.00
ENSG00000141027	NCOR1	0.68	-0.56	0.00
ENSG00000136492	BRIP1	0.43	-1.22	0.00
ENSG00000138778	CENPE	0.40	-1.32	0.00
ENSG00000185950	IRS2	0.65	-0.61	0.00
ENSG00000179241	LDLRAD3	0.60	-0.74	0.00
ENSG00000150630	VEGFC	0.67	-0.57	0.00
ENSG00000048471	SNX29	0.63	-0.67	0.00
ENSG00000138759	FRAS1	0.33	-1.59	0.00
ENSG00000183049	CAMK1D	0.61	-0.71	0.00
ENSG00000139613	SMARCC2	0.72	-0.48	0.00
ENSG00000215114	UBXN2B	0.65	-0.63	0.00
ENSG00000186871	ERCC6L	0.54	-0.88	0.00
ENSG00000127564	PKMYT1	0.58	-0.79	0.00
ENSG00000111877	MCM9	0.46	-1.14	0.00
ENSG00000164830	OXR1	0.55	-0.86	0.00
ENSG00000125107	CNOT1	0.71	-0.50	0.00
ENSG00000131873	CHSY1	0.67	-0.59	0.00
ENSG00000205476	CCDC85C	0.51	-0.97	0.00
ENSG00000071564	TCF3	0.66	-0.61	0.00
ENSG00000284118	MIR4707	0.00	-17.49	0.00
ENSG00000138079	SLC3A1	0.10	-3.26	0.00
ENSG00000142687	KIAA0319L	0.68	-0.55	0.00
ENSG00000121892	PDS5A	0.66	-0.60	0.00
ENSG00000000003	TSPAN6	0.63	-0.67	0.00
ENSG00000128191	DGCR8	0.64	-0.65	0.00
ENSG00000112118	MCM3	0.59	-0.76	0.00
ENSG00000159128	IFNGR2	0.61	-0.71	0.00
ENSG00000256043	CTSO	0.60	-0.73	0.00
ENSG00000077549	CAPZB	0.70	-0.51	0.00
ENSG00000184083	FAM120C	0.47	-1.09	0.00
ENSG00000276107	AC037198	0.00	-13.70	0.00
ENSG00000159403	C1R	0.57	-0.81	0.00
ENSG00000225663	MCRIP1	0.62	-0.69	0.00
ENSG00000100714	MTHFD1	0.71	-0.49	0.00
ENSG00000257923	CUX1	0.69	-0.53	0.00
ENSG00000242110	AMACR	0.55	-0.86	0.00
ENSG00000185909	KLHDC8B	0.45	-1.15	0.00
ENSG00000250899	AC125807	0.53	-0.90	0.00
ENSG00000130024	PHF10	0.57	-0.82	0.00
ENSG00000198901	PRC1	0.71	-0.50	0.00
ENSG00000168785	TSPAN5	0.59	-0.76	0.00
ENSG00000159267	HLCS	0.57	-0.80	0.00
ENSG00000205978	NYNRIN	0.45	-1.17	0.00
ENSG00000091622	PITPNM3	0.50	-0.99	0.00
ENSG00000163485	ADORA1	0.67	-0.57	0.00
ENSG00000170017	ALCAM	0.64	-0.65	0.00
ENSG00000182544	MESD5	0.62	-0.70	0.00
ENSG00000120254	MTHFD1L	0.63	-0.66	0.00
ENSG00000101412	E2F1	0.62	-0.68	0.00
ENSG00000253552	HOXA-AS2	0.42	-1.24	0.00
ENSG00000110108	TMEM109	0.70	-0.51	0.00
ENSG00000276851	AC002401	0.33	-1.59	0.00
ENSG00000105854	PON2	0.67	-0.58	0.00
ENSG00000110987	BCL7A	0.45	-1.16	0.00
ENSG00000134533	RERG	0.13	-2.96	0.00
ENSG00000106804	C5	0.21	-2.28	0.00

ENSG00000135622	SEMA4F	0.44	-1.18	0.00
ENSG00000178409	BEND3	0.45	-1.14	0.00
ENSG00000142945	KIF2C	0.64	-0.64	0.00
ENSG00000116679	IVNS1ABP	0.59	-0.76	0.00
ENSG00000260032	NORAD	0.72	-0.47	0.00
ENSG00000132842	AP3B1	0.67	-0.58	0.00
ENSG00000153956	CACNA2D1	0.57	-0.82	0.00
ENSG00000185650	ZFP36L1	0.72	-0.47	0.00
ENSG00000170558	CDH2	0.58	-0.78	0.00
ENSG00000196411	EPHB4	0.61	-0.72	0.00
ENSG00000087266	SH3BP2	0.69	-0.54	0.00
ENSG00000071282	LMCD1	0.52	-0.95	0.00
ENSG00000204634	TBC1D8	0.53	-0.90	0.00
ENSG00000074047	GLI2	0.42	-1.26	0.00
ENSG00000146247	PHIP	0.60	-0.75	0.00
ENSG00000079246	XRCC5	0.65	-0.61	0.00
ENSG00000047849	MAP4	0.72	-0.48	0.00
ENSG00000151746	BICD1	0.58	-0.78	0.00
ENSG00000104728	ARHGEF10	0.67	-0.57	0.00
ENSG00000116117	PARD3B	0.43	-1.23	0.00
ENSG00000168763	CNNM3	0.61	-0.71	0.00
ENSG00000100596	SPTLC2	0.65	-0.62	0.00
ENSG00000261796	ISY1-RAB43	0.00	-13.50	0.00
ENSG00000151414	NEK7	0.61	-0.72	0.00
ENSG00000198554	WDHD1	0.53	-0.92	0.00
ENSG00000156113	KCNMA1	0.66	-0.60	0.00
ENSG00000170949	ZNF160	0.44	-1.20	0.00
ENSG00000158169	FANCC	0.59	-0.75	0.00
ENSG00000183723	CMTM4	0.45	-1.16	0.00
ENSG00000167670	CHAF1A	0.67	-0.59	0.00
ENSG00000188641	DPYD	0.46	-1.12	0.00
ENSG00000067141	NEO1	0.65	-0.62	0.00
ENSG00000000460	C1orf112	0.62	-0.69	0.00
ENSG00000127328	RAB3IP	0.42	-1.24	0.00
ENSG00000111799	COL12A1	0.46	-1.11	0.00
ENSG00000115461	IGFBP5	0.27	-1.89	0.00
ENSG00000115364	MRPL19	0.53	-0.91	0.00
ENSG00000164761	TNFRSF11B	0.50	-0.99	0.00
ENSG00000281332	LINC00997	0.31	-1.67	0.00
ENSG00000100345	MYH9	0.74	-0.43	0.00
ENSG00000126777	KTN1	0.69	-0.54	0.00
ENSG00000145996	CDKAL1	0.55	-0.86	0.00
ENSG00000278540	ACACA	0.69	-0.54	0.00
ENSG00000184162	NR2C2AP	0.58	-0.77	0.00
ENSG00000158106	RHPN1	0.43	-1.22	0.00
ENSG00000170776	AKAP13	0.70	-0.51	0.00
ENSG00000130768	SMPDL3B	0.47	-1.10	0.00
ENSG00000077514	POLD3	0.66	-0.60	0.00
ENSG00000101680	LAMA1	0.73	-0.46	0.00
ENSG00000115970	THADA	0.66	-0.61	0.00
ENSG00000166783	MARF1	0.68	-0.55	0.00
ENSG00000214193	SH3D21	0.57	-0.80	0.00
ENSG00000159792	PSKH1	0.72	-0.48	0.00
ENSG00000165185	KIAA1958	0.43	-1.21	0.00
ENSG00000112029	FBXO5	0.52	-0.94	0.00
ENSG00000134884	ARGLU1	0.71	-0.50	0.00
ENSG00000189362	NEMP2	0.57	-0.81	0.00
ENSG00000005812	FBXL3	0.63	-0.67	0.00
ENSG00000174483	BBS1	0.47	-1.09	0.00
ENSG00000077232	DNAJC10	0.70	-0.52	0.00
ENSG00000082805	ERC1	0.58	-0.78	0.00

ENSG00000196935	SRGAP1	0.57	-0.80	0.00
ENSG00000132589	FLOT2	0.61	-0.71	0.00
ENSG00000139641	ESYT1	0.74	-0.43	0.00
ENSG00000144283	PKP4	0.65	-0.62	0.00
ENSG00000156398	SFXN2	0.59	-0.75	0.00
ENSG00000141458	NPC1	0.70	-0.51	0.00
ENSG00000189057	FAM111B	0.39	-1.35	0.00
ENSG00000248187	AC078850	0.62	-0.70	0.00
ENSG00000165480	SKA3	0.55	-0.85	0.00
ENSG00000134644	PUM1	0.64	-0.64	0.00
ENSG00000169607	CKAP2L	0.56	-0.84	0.00
ENSG00000140848	CPNE2	0.66	-0.59	0.00
ENSG0000019186	CYP24A1	0.69	-0.54	0.00
ENSG00000163516	ANKZF1	0.64	-0.64	0.00
ENSG00000105426	PTPRS	0.63	-0.66	0.00
ENSG00000181625	SLX1B	0.60	-0.75	0.00
ENSG00000197702	PARVA	0.73	-0.45	0.00
ENSG00000180801	ARSJ	0.62	-0.68	0.00
ENSG00000174428	GTF2IRD2B	0.54	-0.90	0.00
ENSG00000176903	PNMA1	0.71	-0.50	0.00
ENSG00000162714	ZNF496	0.71	-0.49	0.00
ENSG00000141376	BCAS3	0.61	-0.71	0.00
ENSG00000079112	CDH17	0.29	-1.80	0.00
ENSG00000065809	FAM107B	0.56	-0.83	0.00
ENSG00000078674	PCM1	0.58	-0.80	0.00
ENSG00000215252	GOLGA8B	0.64	-0.64	0.00
ENSG00000138796	HADH	0.69	-0.54	0.00
ENSG00000003249	DBNDD1	0.46	-1.12	0.00
ENSG00000111684	LPCAT3	0.57	-0.80	0.00
ENSG00000185499	MUC1	0.27	-1.86	0.00
ENSG0000013810	TACC3	0.59	-0.77	0.00
ENSG00000178764	ZHX2	0.60	-0.73	0.00
ENSG00000112379	ARFGEF3	0.49	-1.03	0.00
ENSG00000139618	BRCA2	0.46	-1.12	0.00
ENSG00000170571	EMB	0.58	-0.77	0.00
ENSG00000152558	TMEM123	0.69	-0.53	0.00
ENSG00000021645	NRXN3	0.02	-5.44	0.00
ENSG00000108784	NAGLU	0.69	-0.53	0.00
ENSG00000146955	RAB19	0.08	-3.72	0.00
ENSG00000067182	TNFRSF1A	0.74	-0.44	0.00
ENSG00000067715	SYT1	0.44	-1.19	0.00
ENSG00000244274	DBNDD2	0.33	-1.61	0.00
ENSG00000170961	HAS2	0.27	-1.91	0.00
ENSG00000161395	PGAP3	0.57	-0.82	0.00
ENSG00000107186	MPDZ	0.65	-0.61	0.00
ENSG00000180011	ZADH2	0.56	-0.83	0.00
ENSG00000134057	CCNB1	0.74	-0.44	0.00
ENSG00000263001	GTF2I	0.64	-0.65	0.00
ENSG00000120837	NEFYB	0.61	-0.72	0.00
ENSG00000102606	ARHGEF7	0.70	-0.51	0.00
ENSG00000112312	GMNN	0.61	-0.71	0.00
ENSG00000276043	UHRF1	0.59	-0.77	0.00
ENSG00000131652	THOC6	0.61	-0.72	0.00
ENSG00000163576	EFHB	0.16	-2.68	0.00
ENSG00000084774	CAD	0.71	-0.49	0.00
ENSG00000158470	B4GALT5	0.73	-0.45	0.00
ENSG00000246859	STARD4-AS1	0.39	-1.34	0.00
ENSG00000094841	UPRT	0.47	-1.10	0.00
ENSG00000151364	KCTD14	0.45	-1.16	0.00
ENSG00000164040	PGRMC2	0.23	-2.10	0.00
ENSG00000031003	FAM13B	0.63	-0.66	0.00

ENSG00000100302	RASD2	0.05	-4.30	0.00
ENSG00000068024	HDAC4	0.63	-0.67	0.00
ENSG00000165244	ZNF367	0.45	-1.15	0.00
ENSG00000142192	APP	0.71	-0.50	0.00
ENSG00000089006	SNX5	0.71	-0.49	0.00
ENSG00000153086	ACMSD	0.22	-2.19	0.00
ENSG00000133119	RFC3	0.65	-0.62	0.00
ENSG00000141560	FN3KRP	0.71	-0.49	0.00
ENSG00000259976	AC093010	0.50	-1.01	0.00
ENSG00000166897	ELFN2	0.61	-0.72	0.00
ENSG00000072778	ACADVL	0.71	-0.50	0.00
ENSG00000002822	MAD1L1	0.56	-0.85	0.00
ENSG00000137522	RNF121	0.55	-0.87	0.00
ENSG00000196313	POM121	0.73	-0.45	0.00
ENSG00000271383	NBPF19	0.54	-0.89	0.00
ENSG00000103227	LMF1	0.33	-1.61	0.00
ENSG00000175727	MLXIP	0.74	-0.43	0.00
ENSG00000072274	TFCR	0.74	-0.44	0.00
ENSG00000204685	STARD7-AS1	0.33	-1.61	0.00
ENSG00000249115	HAUS5	0.57	-0.82	0.00
ENSG00000072571	HMMR	0.64	-0.64	0.00
ENSG00000172830	SSH3	0.65	-0.61	0.00
ENSG00000133026	MYH10	0.74	-0.44	0.00
ENSG00000167123	CERCAM	0.55	-0.87	0.00
ENSG00000113368	LMNB1	0.57	-0.81	0.00
ENSG00000149218	ENDOD1	0.57	-0.81	0.00
ENSG00000104320	NBN	0.68	-0.56	0.00
ENSG00000187210	GCNT1	0.40	-1.33	0.00
ENSG00000112033	PPARD	0.69	-0.54	0.00
ENSG00000113163	CERT1	0.63	-0.67	0.00
ENSG00000124942	AHNAK	0.66	-0.61	0.00
ENSG00000153317	ASAP1	0.69	-0.53	0.00
ENSG00000106609	TMEM248	0.72	-0.48	0.00
ENSG00000164985	PSIP1	0.68	-0.55	0.00
ENSG00000146918	NCAPG2	0.73	-0.46	0.00
ENSG00000157837	SPPL3	0.68	-0.56	0.00
ENSG00000159433	STARD9	0.56	-0.83	0.00
ENSG00000114631	PODXL2	0.70	-0.51	0.00
ENSG00000170482	SLC23A1	0.30	-1.76	0.00
ENSG00000197299	BLM	0.51	-0.98	0.00
ENSG00000149639	SOGA1	0.72	-0.47	0.00
ENSG00000261051	AC107021	0.13	-2.93	0.00
ENSG00000104267	CA2	0.71	-0.49	0.00
ENSG00000088756	ARHGAP28	0.36	-1.46	0.00
ENSG00000140694	PARN	0.66	-0.59	0.00
ENSG00000138190	EXOC6	0.48	-1.06	0.00
ENSG00000067082	KLF6	0.72	-0.47	0.00
ENSG00000101439	CST3	0.64	-0.64	0.00
ENSG00000134709	HOOK1	0.27	-1.88	0.00
ENSG00000180901	KCTD2	0.68	-0.55	0.00
ENSG00000196968	FUT11	0.57	-0.82	0.00
ENSG00000100201	DDX17	0.76	-0.39	0.00
ENSG00000196584	XRCC2	0.66	-0.61	0.00
ENSG00000154358	OBSCN	0.57	-0.80	0.00
ENSG00000164808	SPIDR	0.63	-0.67	0.00
ENSG00000101199	AREGAP1	0.71	-0.49	0.00
ENSG00000125954	CHURC1-FNTB	0.00	-11.70	0.00
ENSG00000069535	MAOB	0.17	-2.60	0.00
ENSG00000227500	SCAMP4	0.56	-0.83	0.00
ENSG00000140839	CLEC18B	0.06	-3.95	0.00
ENSG00000172175	MALT1	0.60	-0.74	0.00

ENSG00000140743	CDR2	0.66	-0.59	0.00
ENSG00000134352	IL6ST	0.69	-0.53	0.00
ENSG00000154545	MAGED4	0.58	-0.78	0.00
ENSG00000244731	C4A	0.20	-2.34	0.00
ENSG00000103335	PIEZO1	0.68	-0.56	0.00
ENSG00000197905	TEAD4	0.67	-0.57	0.00
ENSG00000141576	RNF157	0.67	-0.58	0.00
ENSG00000137075	RNF38	0.62	-0.69	0.00
ENSG00000165730	STOX1	0.17	-2.53	0.00
ENSG00000044446	PHKA2	0.65	-0.62	0.00
ENSG00000143590	EFNA3	0.38	-1.41	0.00
ENSG00000110719	TCIRG1	0.71	-0.49	0.00
ENSG00000069966	GNB5	0.65	-0.62	0.00
ENSG00000119906	SLE2	0.66	-0.59	0.00
ENSG00000126822	PLEKHG3	0.58	-0.79	0.00
ENSG00000112531	OKI	0.62	-0.69	0.00
ENSG00000119522	DENND1A	0.67	-0.59	0.00
ENSG00000167536	DHRS13	0.53	-0.92	0.00
ENSG00000274070	CASTOR2	0.49	-1.02	0.00
ENSG00000146067	FAM193B	0.62	-0.68	0.00
ENSG00000167513	CDT1	0.65	-0.62	0.00
ENSG00000115073	ACTR1B	0.61	-0.72	0.00
ENSG00000157827	FMNL2	0.72	-0.48	0.00
ENSG00000135423	GLS2	0.01	-6.44	0.00
ENSG00000031823	RANBP3	0.73	-0.46	0.00
ENSG00000070413	DGCR2	0.70	-0.52	0.00
ENSG00000104361	NIPAL2	0.44	-1.18	0.00
ENSG00000235272	RAMACL	0.09	-3.48	0.00
ENSG00000066739	ATG2B	0.59	-0.75	0.00
ENSG00000184640	SEPTIN9	0.73	-0.46	0.00
ENSG00000114670	NEK11	0.45	-1.14	0.00
ENSG00000014138	POLA2	0.67	-0.58	0.00
ENSG00000250634	LINC01182	0.67	-0.57	0.00
ENSG00000155816	FMN2	0.37	-1.43	0.00
ENSG00000069248	NUP133	0.72	-0.47	0.00
ENSG00000081913	PHLPP1	0.58	-0.80	0.00
ENSG00000138639	ARHGAP24	0.46	-1.13	0.00
ENSG00000136861	CDK5RAP2	0.68	-0.56	0.00
ENSG00000163633	C4orf36	0.16	-2.61	0.00
ENSG00000079432	CIC	0.74	-0.44	0.00
ENSG00000092847	AGO1	0.71	-0.49	0.00
ENSG00000143850	PLEKHA6	0.71	-0.49	0.00
ENSG00000143641	GALNT2	0.77	-0.37	0.00
ENSG00000112539	C6orf118	0.00	-11.35	0.00
ENSG00000071655	MBD3	0.71	-0.50	0.00
ENSG00000138606	SHF	0.28	-1.86	0.00
ENSG00000167815	PRDX2	0.58	-0.79	0.00
ENSG00000155974	GRIP1	0.55	-0.86	0.00
ENSG00000185033	SEMA4B	0.64	-0.64	0.00
ENSG00000159140	SON	0.76	-0.39	0.00
ENSG00000213551	DNAJC9	0.70	-0.52	0.00
ENSG00000122952	ZWINT	0.70	-0.51	0.00
ENSG00000141401	IMPA2	0.60	-0.73	0.00
ENSG00000160972	PPP1R16A	0.54	-0.90	0.00
ENSG00000198889	DCAF12L1	0.55	-0.87	0.00
ENSG00000176974	SHMT1	0.65	-0.62	0.00
ENSG00000277209	RPPH1	0.02	-5.44	0.00
ENSG00000145555	MYO10	0.58	-0.78	0.00
ENSG00000138030	KHK	0.34	-1.56	0.00
ENSG00000184602	SNN	0.66	-0.60	0.00
ENSG00000101639	CEP192	0.65	-0.62	0.00

ENSG00000163918	RFC4	0.60	-0.74	0.00
ENSG00000131351	HAUS8	0.65	-0.62	0.00
ENSG00000170921	TANC2	0.76	-0.40	0.00
ENSG00000136824	SMC2	0.56	-0.83	0.00
ENSG00000167978	SRRM2	0.71	-0.50	0.00
ENSG00000100014	SPECC1L	0.60	-0.73	0.00
ENSG00000166147	FBN1	0.74	-0.43	0.00
ENSG00000145425	RPS3A	0.60	-0.75	0.00
ENSG00000100473	COCH	0.54	-0.89	0.00
ENSG00000170653	ATF7	0.71	-0.49	0.00
ENSG00000133597	ADCK2	0.58	-0.80	0.00
ENSG00000168411	RFWD3	0.70	-0.52	0.00
ENSG00000173218	VANGL1	0.72	-0.47	0.00
ENSG00000183087	GAS6	0.70	-0.52	0.00
ENSG00000167799	NUDT8	0.25	-2.00	0.00
ENSG00000146373	RNF217	0.53	-0.91	0.00
ENSG00000198909	MAP3K3	0.73	-0.45	0.00
ENSG00000112983	BRD8	0.65	-0.62	0.00
ENSG00000186767	SPIN4	0.55	-0.87	0.00
ENSG00000162687	KCNT2	0.39	-1.34	0.00
ENSG00000178999	AURKB	0.66	-0.59	0.00
ENSG00000171467	ZNF318	0.69	-0.53	0.00
ENSG00000204852	TCTN1	0.60	-0.75	0.00
ENSG00000204217	BMPR2	0.69	-0.54	0.00
ENSG00000005483	KMT2E	0.67	-0.58	0.00
ENSG00000155313	USP25	0.58	-0.78	0.00
ENSG00000071539	TRIP13	0.73	-0.46	0.00
ENSG00000163872	YEATS2	0.72	-0.47	0.00
ENSG00000128242	GAL3ST1	0.19	-2.41	0.00
ENSG00000257167	TMPO-AS1	0.41	-1.29	0.00
ENSG00000228594	FNDC10	0.21	-2.23	0.00
ENSG00000138346	DNA2	0.55	-0.86	0.00
ENSG00000132670	PTPRA	0.73	-0.46	0.00
ENSG00000174106	LEMD3	0.64	-0.64	0.00
ENSG00000016082	ISL1	0.43	-1.23	0.00
ENSG00000081052	COL4A4	0.24	-2.03	0.00
ENSG00000197119	SLC25A29	0.67	-0.58	0.00
ENSG00000052126	PLEKHA5	0.60	-0.74	0.00
ENSG00000176678	FOXL1	0.56	-0.84	0.00
ENSG00000149311	ATM	0.62	-0.68	0.00
ENSG00000197296	FITM2	0.57	-0.81	0.00
ENSG00000175216	CKAP5	0.73	-0.45	0.00
ENSG00000154760	SLFN13	0.57	-0.80	0.00
ENSG00000198646	NCOA6	0.74	-0.44	0.00
ENSG00000075240	GRAMD4	0.57	-0.81	0.00
ENSG00000142327	RNPEPL1	0.48	-1.05	0.00
ENSG00000198056	PRIM1	0.59	-0.77	0.00
ENSG00000105875	WDR91	0.61	-0.72	0.00
ENSG00000150347	ARID5B	0.59	-0.76	0.00
ENSG00000111752	PHC1	0.67	-0.58	0.00
ENSG00000170881	RNF139	0.68	-0.55	0.00
ENSG00000109685	NSD2	0.55	-0.86	0.00
ENSG00000276386	CNTNAP3P2	0.17	-2.57	0.00
ENSG00000183722	LHEPL6	0.58	-0.78	0.00
ENSG00000101224	CDC25B	0.53	-0.92	0.00
ENSG00000145623	OSMR	0.77	-0.37	0.00
ENSG00000184304	PRKD1	0.56	-0.83	0.00
ENSG00000104332	SFRP1	0.00	-10.21	0.00
ENSG00000111912	NCOA7	0.55	-0.87	0.00
ENSG00000234184	LINC01781	0.16	-2.67	0.00
ENSG00000243709	LEFTY1	0.00	-11.51	0.00

ENSG0000046653	GPM6B	0.32	-1.65	0.00
ENSG00000177119	ANO6	0.71	-0.49	0.00
ENSG00000137700	SLC37A4	0.55	-0.87	0.00
ENSG00000160932	LY6E	0.64	-0.64	0.00
ENSG00000132478	UNK	0.73	-0.45	0.00
ENSG00000162976	SLC66A3	0.55	-0.86	0.00
ENSG00000126970	ZC4H2	0.59	-0.77	0.00
ENSG00000185275	CD24P4	0.06	-4.05	0.00
ENSG00000175455	CCDC14	0.49	-1.03	0.00
ENSG00000130638	ATXN10	0.75	-0.42	0.00
ENSG0000012504	NR1H4	0.33	-1.58	0.00
ENSG00000133030	MPRIIP	0.73	-0.45	0.00
ENSG00000101236	RNF24	0.58	-0.79	0.00
ENSG00000138092	CENPO	0.52	-0.93	0.00
ENSG00000177469	CAVIN1	0.77	-0.38	0.00
ENSG00000093009	CDC45	0.64	-0.65	0.00
ENSG00000196950	SLC39A10	0.64	-0.64	0.00
ENSG00000171824	EXOSC10	0.75	-0.42	0.00
ENSG00000101057	MYBL2	0.75	-0.41	0.00
ENSG00000198700	IPO9	0.78	-0.36	0.00
ENSG00000100393	EP300	0.72	-0.48	0.00
ENSG00000078018	MAP2	0.42	-1.25	0.00
ENSG00000168916	ZNF608	0.71	-0.49	0.00
ENSG00000169057	MECP2	0.68	-0.55	0.00
ENSG00000108557	RAI1	0.74	-0.43	0.00
ENSG00000065413	ANKRD44	0.32	-1.66	0.00
ENSG00000099381	SETD1A	0.69	-0.54	0.00
ENSG00000182263	FIGN	0.67	-0.58	0.00
ENSG00000169564	PCBP1	0.77	-0.37	0.00
ENSG00000124160	NCOA5	0.71	-0.49	0.00
ENSG00000283809	AC007326	0.00	-11.56	0.00
ENSG00000198920	KIAA0753	0.65	-0.63	0.00
ENSG00000161800	RACGAP1	0.63	-0.66	0.00
ENSG00000143578	CREB3L4	0.55	-0.87	0.00
ENSG00000114698	PLSCR4	0.34	-1.55	0.00
ENSG00000174371	EXO1	0.64	-0.64	0.00
ENSG00000135108	FBXO21	0.62	-0.69	0.00
ENSG00000144730	IL17RD	0.28	-1.84	0.00
ENSG00000122642	FKBP9	0.53	-0.93	0.00
ENSG00000121211	MND1	0.53	-0.91	0.00
ENSG00000149269	PAK1	0.73	-0.45	0.00
ENSG00000170871	KIAA0232	0.70	-0.51	0.00
ENSG00000124098	FAM210B	0.63	-0.67	0.00
ENSG00000134775	FHOD3	0.74	-0.43	0.00
ENSG00000168672	LRATD2	0.62	-0.70	0.00
ENSG00000160948	VPS28	0.69	-0.53	0.00
ENSG00000173473	SMARCC1	0.74	-0.43	0.00
ENSG00000185000	DGAT1	0.57	-0.80	0.00
ENSG00000168014	C2CD3	0.69	-0.54	0.00
ENSG00000003056	M6PR	0.70	-0.52	0.00
ENSG00000135697	BCO1	0.33	-1.58	0.00
ENSG00000237296	SMG1P1	0.62	-0.70	0.00
ENSG00000167325	RRM1	0.76	-0.41	0.00
ENSG00000054965	FAM168A	0.75	-0.41	0.00
ENSG00000163435	ELF3	0.76	-0.39	0.00
ENSG00000143476	DTL	0.66	-0.59	0.00
ENSG00000172197	MBOAT1	0.42	-1.25	0.00
ENSG00000169375	SIN3A	0.74	-0.44	0.00
ENSG00000082512	TRAF5	0.66	-0.61	0.00
ENSG00000165650	PDZD8	0.71	-0.49	0.00
ENSG00000125798	FOXA2	0.18	-2.49	0.00

ENSG00000206127	GOLGA80	0.12	-3.09	0.00
ENSG00000135845	PIGC	0.73	-0.45	0.00
ENSG00000162402	USP24	0.73	-0.46	0.00
ENSG00000092969	TGFB2	0.57	-0.81	0.00
ENSG00000104960	PTOV1	0.71	-0.48	0.00
ENSG00000197321	SVIL	0.77	-0.39	0.00
ENSG00000100726	TELO2	0.70	-0.51	0.00
ENSG00000205835	GMNC	0.08	-3.60	0.00
ENSG00000104067	TJP1	0.69	-0.53	0.00
ENSG00000038295	TLL1	0.04	-4.55	0.00
ENSG00000158163	DZIP1L	0.62	-0.69	0.00
ENSG00000108370	RGS9	0.53	-0.91	0.00
ENSG00000105397	TYK2	0.68	-0.55	0.00
ENSG00000117650	NEK2	0.61	-0.72	0.00
ENSG00000115687	PASK	0.59	-0.77	0.00
ENSG00000163125	RPRD2	0.76	-0.40	0.00
ENSG00000204991	SPIRE2	0.55	-0.87	0.00
ENSG00000152990	ADGRA3	0.74	-0.43	0.00
ENSG00000168496	FEN1	0.73	-0.44	0.00
ENSG00000159692	CTBP1	0.76	-0.40	0.00
ENSG00000130313	PGLS	0.71	-0.50	0.00
ENSG00000111011	RSRC2	0.62	-0.70	0.00
ENSG00000131508	UBE2D2	0.77	-0.38	0.00
ENSG00000138772	ANXA3	0.26	-1.96	0.00
ENSG00000144711	IOSEC1	0.67	-0.58	0.00
ENSG00000126001	CEP250	0.73	-0.45	0.00
ENSG00000168936	TMEM129	0.72	-0.48	0.00
ENSG00000108312	UBTF	0.76	-0.39	0.00
ENSG00000188707	ZBED6CL	0.47	-1.08	0.00
ENSG00000198121	LPAR1	0.55	-0.87	0.00
ENSG00000147799	ARHGAP39	0.61	-0.70	0.00
ENSG00000197694	SPTAN1	0.77	-0.37	0.00
ENSG00000174099	MSRB3	0.70	-0.52	0.00
ENSG00000008382	MPND	0.54	-0.88	0.00
ENSG00000167889	MGAT5B	0.40	-1.31	0.00
ENSG00000015171	ZMYND11	0.48	-1.04	0.00
ENSG00000157870	PRXL2B	0.27	-1.89	0.00
ENSG00000178695	KCTD12	0.67	-0.57	0.00
ENSG00000204406	MBD5	0.56	-0.84	0.00
ENSG00000125885	MCM8	0.65	-0.62	0.00
ENSG00000060237	WNK1	0.71	-0.50	0.00
ENSG00000225614	ZNF469	0.24	-2.06	0.00
ENSG00000177570	SAMD12	0.55	-0.85	0.00
ENSG00000111665	CDCA3	0.65	-0.62	0.00
ENSG00000150403	TMCO3	0.75	-0.41	0.00
ENSG00000096060	EKBP5	0.70	-0.51	0.00
ENSG00000129353	SLC44A2	0.67	-0.58	0.00
ENSG00000054118	THRAP3	0.78	-0.35	0.00
ENSG00000079931	MOXD1	0.71	-0.49	0.00
ENSG00000186187	ZNRF1	0.52	-0.95	0.00
ENSG00000172379	ARNT2	0.20	-2.29	0.00
ENSG00000214425	LRRRC37A4P	0.55	-0.85	0.00
ENSG00000132207	SLX1A	0.61	-0.72	0.00
ENSG00000148700	ADD3	0.68	-0.57	0.00
ENSG00000268043	NBPF12	0.67	-0.57	0.00
ENSG00000137834	SMAD6	0.64	-0.64	0.00
ENSG00000196914	ARHGEF12	0.66	-0.60	0.00
ENSG00000138031	ADCY3	0.62	-0.70	0.00
ENSG00000161999	JMJD8	0.72	-0.48	0.00
ENSG00000148773	MKI67	0.54	-0.90	0.00
ENSG00000072864	NDE1	0.66	-0.61	0.00

ENSG00000074800	ENO1	0.76	-0.40	0.00
ENSG00000122779	TRIM24	0.72	-0.48	0.00
ENSG00000090565	RAB11FIP3	0.74	-0.44	0.00
ENSG00000196547	MAN2A2	0.59	-0.77	0.00
ENSG00000271092	TLCD4-RWDD3	0.00	-14.17	0.00
ENSG00000065060	UHRF1BP1	0.73	-0.45	0.00
ENSG00000126217	MCF2L	0.12	-3.08	0.00
ENSG00000146143	PRIM2	0.68	-0.55	0.00
ENSG00000107554	DNMBP	0.76	-0.40	0.00
ENSG00000080839	RBL1	0.64	-0.64	0.00
ENSG00000004799	PDK4	0.36	-1.46	0.00
ENSG00000143442	POGZ	0.69	-0.53	0.00
ENSG00000087903	RFX2	0.49	-1.02	0.00
ENSG00000137135	ARHGEF39	0.55	-0.87	0.00
ENSG00000170915	PAOR8	0.57	-0.81	0.00
ENSG00000198899	MT-ATP6	0.79	-0.33	0.00
ENSG00000257365	FNTB	0.62	-0.68	0.00
ENSG00000152953	STK32B	0.60	-0.74	0.00
ENSG00000100311	PDGFB	0.43	-1.20	0.00
ENSG00000169683	LRRC45	0.70	-0.52	0.00
ENSG00000012660	ELOVL5	0.77	-0.38	0.00
ENSG00000138180	CEP55	0.70	-0.52	0.00
ENSG00000145416	MARCF1	0.39	-1.35	0.00
ENSG00000118193	KIF14	0.59	-0.75	0.00
ENSG00000112655	PTK7	0.68	-0.56	0.00
ENSG00000164142	FAM160A1	0.49	-1.03	0.00
ENSG00000121653	MAPK8IP1	0.51	-0.97	0.00
ENSG00000279041	AC102945	0.46	-1.13	0.00
ENSG00000197858	GPAA1	0.75	-0.41	0.00
ENSG00000116539	ASH1L	0.73	-0.46	0.00
ENSG00000183840	GPR39	0.64	-0.63	0.00
ENSG00000175048	ZDHHC14	0.55	-0.86	0.00
ENSG00000079805	DNM2	0.75	-0.42	0.00
ENSG00000221869	CEBPD	0.75	-0.41	0.00
ENSG00000124207	CSE1L	0.75	-0.41	0.00
ENSG00000072195	SPEG	0.67	-0.58	0.00
ENSG00000109861	CTSC	0.75	-0.42	0.00
ENSG00000115163	CENPA	0.37	-1.43	0.00
ENSG00000237914	SIRPG-AS1	0.25	-2.01	0.00
ENSG00000094631	HDAC6	0.73	-0.46	0.00
ENSG00000177054	ZDHHC13	0.67	-0.58	0.00
ENSG00000166503	HDGFL3	0.68	-0.56	0.00
ENSG00000087111	PIGS	0.77	-0.39	0.00
ENSG00000147130	ZMYM3	0.75	-0.42	0.00
ENSG00000166971	AKTIP	0.59	-0.76	0.00
ENSG00000119772	DNMT3A	0.68	-0.55	0.00
ENSG00000213648	SULT1A4	0.37	-1.44	0.00
ENSG00000177990	DPY19L2	0.44	-1.19	0.00
ENSG00000171320	ESCO2	0.54	-0.88	0.00
ENSG00000136044	APPL2	0.64	-0.65	0.00
ENSG00000197746	PSAP	0.80	-0.32	0.00
ENSG00000204525	HLA-C	0.59	-0.76	0.00
ENSG00000118217	ATF6	0.76	-0.40	0.00
ENSG00000213672	NCKIPSD	0.69	-0.53	0.00
ENSG00000025770	NCAPH2	0.70	-0.51	0.00
ENSG00000070950	RAD18	0.57	-0.80	0.00
ENSG00000112343	TRIM38	0.76	-0.40	0.00
ENSG00000114861	FOXP1	0.61	-0.71	0.00
ENSG00000134247	PTGFRN	0.79	-0.34	0.00
ENSG00000180730	SHISA2	0.78	-0.35	0.00
ENSG00000171105	INSR	0.17	-2.60	0.00

ENSG00000184220	CMSS1	0.74	-0.44	0.00
ENSG00000170500	LONRF2	0.68	-0.56	0.00
ENSG00000104472	CHRA1	0.65	-0.62	0.00
ENSG00000165392	WRN	0.55	-0.86	0.00
ENSG00000119900	OGFRL1	0.74	-0.43	0.00
ENSG00000135749	PCNX2	0.67	-0.58	0.00
ENSG00000198932	GPRASP1	0.12	-3.08	0.00
ENSG00000106351	AGFG2	0.60	-0.75	0.00
ENSG00000266074	BAHCC1	0.61	-0.72	0.00
ENSG00000102981	PAR6A	0.20	-2.32	0.00
ENSG00000160298	C21orf58	0.43	-1.20	0.00
ENSG00000228262	LINC01320	0.10	-3.27	0.00
ENSG00000070669	ASNS	0.72	-0.48	0.00
ENSG00000010292	NCAPD2	0.74	-0.43	0.00
ENSG00000235092	ID2-AS1	0.41	-1.30	0.00
ENSG00000177706	FAM20C	0.29	-1.79	0.00
ENSG00000123473	STIL	0.59	-0.75	0.00
ENSG00000141258	SGSM2	0.74	-0.44	0.00
ENSG00000111674	ENO2	0.71	-0.50	0.00
ENSG00000181938	GINS3	0.62	-0.70	0.00
ENSG00000166484	MAPK7	0.59	-0.76	0.00
ENSG00000100242	SUN2	0.56	-0.84	0.00
ENSG00000163075	CFAP221	0.27	-1.87	0.00
ENSG00000180357	ZNF609	0.77	-0.39	0.00
ENSG00000138756	BMP2K	0.71	-0.50	0.00
ENSG00000174373	RALGAPA1	0.51	-0.98	0.00
ENSG00000143819	EPHX1	0.76	-0.40	0.00
ENSG00000173273	TNKS	0.75	-0.41	0.00
ENSG00000168792	ABHD15	0.69	-0.54	0.00
ENSG00000080815	PSEN1	0.74	-0.43	0.00
ENSG00000108100	CCNY	0.70	-0.52	0.00
ENSG00000015676	NUDCD3	0.75	-0.41	0.00
ENSG00000124920	MYRF	0.40	-1.34	0.00
ENSG00000001561	ENPP4	0.58	-0.80	0.00
ENSG00000183458	AC138932	0.62	-0.68	0.00
ENSG00000167460	TPM4	0.65	-0.63	0.00
ENSG00000153187	HNRNPU	0.77	-0.37	0.00
ENSG00000163913	IFT122	0.67	-0.58	0.00
ENSG00000186638	KIF24	0.56	-0.83	0.00
ENSG00000089091	DZANK1	0.36	-1.47	0.00
ENSG00000204536	CCHCR1	0.70	-0.52	0.00
ENSG00000185361	TNFAIP8L1	0.69	-0.54	0.00
ENSG00000166881	NEMP1	0.70	-0.51	0.00
ENSG00000171962	DRC3	0.35	-1.51	0.00
ENSG00000133466	C10TNF6	0.63	-0.66	0.00
ENSG00000161618	ALDH16A1	0.69	-0.54	0.00
ENSG00000235333	PVRIG2P	0.44	-1.19	0.00
ENSG00000139718	SETD1B	0.73	-0.46	0.00
ENSG00000142089	IFITM3	0.75	-0.42	0.00
ENSG00000143158	MPC2	0.56	-0.84	0.00
ENSG00000132646	PCNA	0.72	-0.48	0.00
ENSG00000184178	SCFD2	0.69	-0.54	0.00
ENSG00000156052	GNAO	0.73	-0.45	0.00
ENSG00000136485	DCAF7	0.79	-0.34	0.00
ENSG00000091844	RGS17	0.56	-0.83	0.00
ENSG00000168385	SEPTIN2	0.66	-0.59	0.00
ENSG00000156381	ANKRD9	0.54	-0.89	0.00
ENSG00000170214	ADRA1B	0.42	-1.24	0.00
ENSG00000231890	DARS-AS1	0.21	-2.24	0.00
ENSG00000187653	TMSB4XP8	0.64	-0.65	0.00
ENSG00000130635	COL5A1	0.74	-0.44	0.00

ENSG00000135776	ABCB10	0.71	-0.50	0.00
ENSG00000196712	NF1	0.76	-0.40	0.00
ENSG00000171150	SOCS5	0.68	-0.56	0.00
ENSG00000089280	FUS	0.79	-0.34	0.00
ENSG00000225733	FGD5-AS1	0.76	-0.39	0.00
ENSG00000197586	ENTPD6	0.77	-0.38	0.00
ENSG00000167523	SPATA33	0.55	-0.86	0.00
ENSG00000101474	APMAP	0.77	-0.38	0.00
ENSG00000224712	NPIPA3	0.00	-11.71	0.00
ENSG00000115170	ACVR1	0.72	-0.48	0.00
ENSG00000189079	ARID2	0.62	-0.70	0.00
ENSG00000022567	SLC45A4	0.67	-0.58	0.00
ENSG00000057294	PKP2	0.52	-0.93	0.00
ENSG00000246695	RASSF8-AS1	0.54	-0.88	0.00
ENSG00000110321	EIF4G2	0.77	-0.39	0.00
ENSG00000184584	STING1	0.67	-0.58	0.00
ENSG00000279019	AC009090	0.26	-1.96	0.00
ENSG00000177602	HASPIN	0.63	-0.67	0.00
ENSG00000160957	RECOL4	0.67	-0.58	0.00
ENSG00000196663	TECPR2	0.72	-0.48	0.00
ENSG00000105516	DBP	0.47	-1.09	0.00
ENSG00000198363	ASPH	0.77	-0.37	0.00
ENSG00000171889	MIR31HG	0.35	-1.52	0.00
ENSG00000197603	CPLANE1	0.64	-0.65	0.00
ENSG00000206560	ANKRD28	0.63	-0.67	0.00
ENSG00000185324	CDK10	0.64	-0.63	0.00
ENSG00000186260	MRTFB	0.70	-0.51	0.00
ENSG00000115760	BIRC6	0.73	-0.46	0.00
ENSG00000090581	GNPTG	0.73	-0.46	0.00
ENSG00000105085	MED26	0.43	-1.23	0.00
ENSG00000068796	KIF2A	0.73	-0.46	0.00
ENSG00000196821	ILRUN	0.79	-0.35	0.00
ENSG00000260604	AL590004	0.55	-0.86	0.00
ENSG00000152495	CAMK4	0.58	-0.80	0.00
ENSG00000159842	ABR	0.77	-0.38	0.00
ENSG00000239305	RNF103	0.68	-0.57	0.00
ENSG00000176087	SLC35A4	0.77	-0.37	0.00
ENSG00000253187	HOXA10-AS	0.31	-1.67	0.00
ENSG00000112893	MAN2A1	0.69	-0.53	0.00
ENSG00000154920	EME1	0.63	-0.66	0.00
ENSG00000136813	ECPAS	0.77	-0.38	0.00
ENSG00000164010	ERMAP	0.65	-0.61	0.00
ENSG00000150551	LYPD1	0.16	-2.63	0.00
ENSG00000078900	TP73	0.03	-4.90	0.00
ENSG00000144481	TRPM8	0.67	-0.57	0.00
ENSG00000057608	GDI2	0.80	-0.32	0.00
ENSG00000166340	TPP1	0.61	-0.70	0.00
ENSG00000100258	LMF2	0.61	-0.72	0.00
ENSG00000134291	TMEM106C	0.76	-0.39	0.00
ENSG00000165312	OTUD1	0.48	-1.05	0.00
ENSG00000163348	PYGO2	0.76	-0.39	0.00
ENSG00000116670	MAD2L2	0.71	-0.50	0.00
ENSG00000160325	CACFD1	0.55	-0.87	0.00
ENSG00000157445	CACNA2D3	0.43	-1.22	0.00
ENSG00000075151	EIF4G3	0.76	-0.39	0.00
ENSG00000113273	ARSB	0.71	-0.50	0.00
ENSG00000172817	CYP7B1	0.56	-0.83	0.00
ENSG00000153707	PTPRD	0.68	-0.55	0.00
ENSG00000145730	PAM	0.76	-0.39	0.00
ENSG00000065883	CDK13	0.75	-0.41	0.00
ENSG00000146463	ZMYM4	0.76	-0.40	0.00

ENSG00000183579	ZNRF3	0.59	-0.75	0.00
ENSG00000093167	LRRFIP2	0.67	-0.57	0.00
ENSG00000143614	GATAD2B	0.77	-0.38	0.00
ENSG00000120071	KANSI1	0.71	-0.49	0.00
ENSG00000005339	CREBBP	0.69	-0.53	0.00
ENSG00000034053	APBA2	0.70	-0.52	0.00
ENSG00000172954	LCLAT1	0.61	-0.71	0.00
ENSG00000023697	DERA	0.72	-0.48	0.00
ENSG00000197111	PCBP2	0.70	-0.52	0.00
ENSG00000129667	RHBDF2	0.77	-0.38	0.00
ENSG00000214826	DDX12P	0.54	-0.90	0.00
ENSG00000099331	MYO9B	0.78	-0.35	0.00
ENSG00000046889	PREX2	0.66	-0.59	0.00
ENSG00000118482	PHF3	0.68	-0.55	0.00
ENSG00000158417	EIF5B	0.74	-0.44	0.00
ENSG00000136205	TNS3	0.79	-0.34	0.00
ENSG00000129534	MIS18BP1	0.59	-0.76	0.00
ENSG00000160447	PKN3	0.58	-0.80	0.00
ENSG00000196517	SLC6A9	0.32	-1.65	0.00
ENSG00000111788	AC009533	0.52	-0.93	0.00
ENSG00000247809	NR2F2-AS1	0.38	-1.38	0.00
ENSG00000257103	LSM14A	0.70	-0.51	0.00
ENSG00000179750	APOBEC3B	0.69	-0.53	0.00
ENSG00000126804	ZBTB1	0.58	-0.79	0.00
ENSG00000115290	GRB14	0.64	-0.64	0.00
ENSG00000171723	GPHN	0.61	-0.71	0.00
ENSG00000141497	ZMYND15	0.00	-10.06	0.00
ENSG00000136379	ABHD17C	0.54	-0.88	0.00
ENSG00000091129	NRCAM	0.37	-1.44	0.00
ENSG00000159259	CHAF1B	0.69	-0.54	0.00
ENSG00000106070	GRB10	0.74	-0.43	0.00
ENSG00000135744	AGT	0.17	-2.59	0.00
ENSG00000134318	ROCK2	0.71	-0.49	0.00
ENSG00000089902	RCOR1	0.70	-0.51	0.00
ENSG00000198938	MT-CO3	0.82	-0.29	0.00
ENSG00000121621	KIF18A	0.52	-0.95	0.00
ENSG00000155016	CYP2U1	0.57	-0.80	0.00
ENSG00000112742	TTK	0.50	-0.99	0.00
ENSG00000115904	SOS1	0.73	-0.45	0.00
ENSG00000091583	APOH	0.00	-11.72	0.00
ENSG00000146038	DCDC2	0.38	-1.39	0.00
ENSG00000140451	PIF1	0.51	-0.97	0.00
ENSG00000172292	CERS6	0.73	-0.45	0.00
ENSG00000012232	EXTL3	0.76	-0.40	0.00
ENSG00000181666	ZNF875	0.61	-0.72	0.00
ENSG00000167900	TK1	0.80	-0.32	0.00
ENSG00000169242	EFNA1	0.29	-1.76	0.00
ENSG00000127995	CASD1	0.60	-0.74	0.00
ENSG00000139921	TMX1	0.72	-0.47	0.00
ENSG00000235531	MSC-AS1	0.63	-0.66	0.00
ENSG00000139354	GAS2L3	0.57	-0.82	0.00
ENSG00000109674	NEIL3	0.64	-0.65	0.00
ENSG00000123066	MED13L	0.67	-0.58	0.00
ENSG00000137404	NRM	0.57	-0.80	0.00
ENSG00000118058	KMT2A	0.74	-0.43	0.00
ENSG00000129636	ITFG1	0.75	-0.42	0.00
ENSG00000113971	NPHP3	0.67	-0.58	0.00
ENSG00000198049	AVPR1B	0.14	-2.85	0.00
ENSG00000198887	SMC5	0.68	-0.56	0.00
ENSG00000105011	ASF1B	0.67	-0.57	0.00
ENSG00000166851	PLK1	0.78	-0.36	0.00

ENSG00000231925	TAPBP	0.75	-0.42	0.00
ENSG00000263535	AK4P1	0.39	-1.37	0.00
ENSG00000168488	ATXN2L	0.79	-0.34	0.00
ENSG00000229656	ITGB1-DT	0.72	-0.47	0.00
ENSG00000179820	MYADM	0.66	-0.59	0.00
ENSG00000144036	EXOC6B	0.68	-0.55	0.00
ENSG00000101126	ADNP	0.30	-1.73	0.00
ENSG00000167074	TEF	0.70	-0.52	0.00
ENSG00000197557	TTC30A	0.60	-0.73	0.00
ENSG00000112541	PDE10A	0.64	-0.65	0.00
ENSG00000140575	IOGAP1	0.79	-0.33	0.00
ENSG00000051341	POLO	0.62	-0.70	0.00
ENSG00000160226	CFAP410	0.63	-0.67	0.00
ENSG00000245694	CRNDE	0.54	-0.90	0.00
ENSG00000164111	ANXA5	0.80	-0.32	0.00
ENSG00000115504	EHBP1	0.72	-0.48	0.00
ENSG00000169814	BTD	0.58	-0.78	0.00
ENSG00000126705	AHDC1	0.70	-0.51	0.00
ENSG00000278621	AC037198	0.06	-4.04	0.00
ENSG00000107779	BMPR1A	0.71	-0.49	0.00
ENSG00000137269	LRRC1	0.57	-0.80	0.00
ENSG00000176720	BOK	0.60	-0.73	0.00
ENSG00000184154	LRTOMT	0.58	-0.78	0.00
ENSG00000151690	MFSD6	0.58	-0.78	0.00
ENSG00000004777	ARHGAP33	0.45	-1.14	0.00
ENSG00000188985	DHFRP1	0.69	-0.54	0.00
ENSG00000111801	BTN3A3	0.60	-0.73	0.00
ENSG00000035687	ADSS2	0.77	-0.38	0.00
ENSG00000111859	NEDD9	0.14	-2.83	0.00
ENSG00000152117	SMPD4BP	0.72	-0.48	0.00
ENSG00000096093	EFHC1	0.49	-1.04	0.00
ENSG00000100490	CDKL1	0.42	-1.25	0.00
ENSG00000136816	TOR1B	0.67	-0.57	0.00
ENSG00000186153	WVOX	0.55	-0.87	0.00
ENSG00000137177	KIF13A	0.75	-0.42	0.00
ENSG00000196814	MVB12B	0.59	-0.76	0.00
ENSG00000121207	LRAT	0.25	-1.99	0.00
ENSG00000141556	TBCD	0.79	-0.35	0.00
ENSG00000049541	RFC2	0.71	-0.49	0.00
ENSG00000152076	CCDC74B	0.55	-0.87	0.00
ENSG00000110422	HIPK3	0.69	-0.54	0.00
ENSG00000256514	AP003419	0.00	-12.24	0.00
ENSG00000164366	CCDC127	0.75	-0.41	0.00
ENSG00000005810	MYCBP2	0.72	-0.48	0.00
ENSG00000136237	RAPGEF5	0.33	-1.60	0.00
ENSG00000249042	AC008771	0.44	-1.20	0.00
ENSG00000109381	ELF2	0.69	-0.53	0.00
ENSG00000213079	SCAF8	0.72	-0.47	0.00
ENSG00000117523	PRRC2C	0.81	-0.30	0.00
ENSG00000085840	ORC1	0.67	-0.58	0.00
ENSG00000102974	CTCF	0.74	-0.44	0.00
ENSG00000138764	CCNG2	0.72	-0.47	0.00
ENSG00000164880	INTS1	0.78	-0.35	0.00
ENSG00000145241	CENPC	0.56	-0.83	0.00
ENSG00000196924	FLNA	0.79	-0.34	0.00
ENSG00000268120	AC010336	0.00	-12.33	0.00
ENSG00000113594	LIFR	0.65	-0.63	0.00
ENSG00000166780	BMERB1	0.54	-0.88	0.00
ENSG00000204120	GIGYF2	0.78	-0.36	0.00
ENSG00000166734	GOLM2	0.70	-0.51	0.00
ENSG00000248527	MTATP6P1	0.79	-0.34	0.00

ENSG00000013374	NUB1	0.75	-0.41	0.00
ENSG000000196739	COL27A1	0.71	-0.50	0.00
ENSG00000093000	NUP50	0.75	-0.42	0.00
ENSG000000198586	TLK1	0.72	-0.48	0.00
ENSG000000197816	CCDC180	0.26	-1.95	0.00
ENSG000000128487	SPECC1	0.70	-0.51	0.00
ENSG00000047578	KIAA0556	0.75	-0.42	0.00
ENSG000000169684	CHRNA5	0.56	-0.83	0.00
ENSG000000171681	ATF7IP	0.74	-0.43	0.00
ENSG00000082196	C10TNF3	0.08	-3.71	0.00
ENSG000000158402	CDC25C	0.60	-0.73	0.00
ENSG00000080200	CRYBG3	0.65	-0.62	0.00
ENSG00000012963	UBR7	0.68	-0.56	0.00
ENSG000000108465	CDK5RAP3	0.65	-0.61	0.00
ENSG000000171914	TLN2	0.69	-0.53	0.00
ENSG000000184634	MED12	0.76	-0.40	0.00
ENSG000000260279	AC137932	0.40	-1.33	0.00
ENSG000000219481	NBPF1	0.76	-0.39	0.00
ENSG000000102595	UGGT2	0.62	-0.69	0.00
ENSG000000166228	PCBD1	0.79	-0.34	0.00
ENSG000000152217	SETBP1	0.52	-0.95	0.00
ENSG000000138468	SENP7	0.52	-0.95	0.00
ENSG000000107290	SETX	0.73	-0.45	0.00
ENSG000000187097	ENTPD5	0.59	-0.75	0.00
ENSG000000187951	AC091057	0.57	-0.81	0.00
ENSG000000112739	PRPF4B	0.73	-0.45	0.00
ENSG000000143153	ATP1B1	0.79	-0.33	0.00
ENSG000000135220	UGT2A3	0.04	-4.75	0.00
ENSG000000143195	ILDR2	0.33	-1.59	0.00
ENSG000000131504	DIAPH1	0.79	-0.34	0.00
ENSG000000114544	SLC41A3	0.69	-0.53	0.00
ENSG000000214367	HAUS3	0.64	-0.64	0.00
ENSG000000125637	PSD4	0.53	-0.91	0.00
ENSG000000133874	RNF122	0.41	-1.30	0.00
ENSG000000224411	HSP90AA2P	0.65	-0.62	0.00
ENSG000000167535	CACNB3	0.41	-1.28	0.00
ENSG000000008869	HEATR5B	0.70	-0.52	0.00
ENSG000000160293	VAV2	0.78	-0.36	0.00
ENSG000000033867	SLC4A7	0.66	-0.59	0.00
ENSG000000136104	RNASEH2B	0.72	-0.48	0.00
ENSG000000147475	ERLIN2	0.78	-0.35	0.00
ENSG000000239264	TXNDC5	0.81	-0.30	0.00
ENSG000000105137	SYDE1	0.75	-0.41	0.00
ENSG000000211592	IGKC	0.00	-12.60	0.00
ENSG000000064999	ANKS1A	0.76	-0.40	0.00
ENSG000000282458	WASH5P	0.26	-1.94	0.00
ENSG000000287263	AC008875	0.59	-0.75	0.00
ENSG000000134480	CCNH	0.67	-0.59	0.00
ENSG000000102287	GABRE	0.67	-0.57	0.00
ENSG000000165282	PIGO	0.66	-0.60	0.00
ENSG000000124193	SRSF6	0.71	-0.49	0.00
ENSG000000160007	ARHGAP35	0.80	-0.32	0.00
ENSG000000105443	CYTH2	0.77	-0.38	0.00
ENSG000000136504	KAT7	0.74	-0.43	0.00
ENSG000000259291	ZNF710-AS1	0.48	-1.06	0.00
ENSG000000115392	FANCL	0.64	-0.65	0.00
ENSG000000123908	AGO2	0.79	-0.35	0.00
ENSG000000162688	AGL	0.62	-0.69	0.00
ENSG000000072310	SREBF1	0.71	-0.50	0.00
ENSG000000185920	PTCH1	0.65	-0.62	0.00
ENSG000000157657	ZNF618	0.45	-1.15	0.00

ENSG00000205189	ZBTB10	0.61	-0.71	0.00
ENSG00000047644	WWC3	0.72	-0.47	0.00
ENSG00000273270	AC090114	0.52	-0.95	0.00
ENSG00000120925	RNF170	0.65	-0.63	0.00
ENSG00000142731	PLK4	0.58	-0.79	0.00
ENSG00000169213	RAB3B	0.78	-0.36	0.00
ENSG00000215421	ZNF407	0.61	-0.72	0.00
ENSG00000173575	CHD2	0.78	-0.37	0.00
ENSG00000157500	APPL1	0.70	-0.52	0.00
ENSG00000197724	PHF2	0.72	-0.46	0.00
ENSG00000171634	BPTF	0.77	-0.37	0.00
ENSG00000198720	ANKRD13B	0.65	-0.62	0.00
ENSG00000173674	EIF1AX	0.80	-0.32	0.00
ENSG00000158987	RAPGEF6	0.66	-0.61	0.00
ENSG00000275202	AL161421	0.29	-1.77	0.00
ENSG00000112159	MDN1	0.77	-0.38	0.00
ENSG00000187098	MITF	0.46	-1.11	0.00
ENSG00000147144	CCDC120	0.31	-1.67	0.00
ENSG00000105983	LMBR1	0.73	-0.46	0.00
ENSG00000164576	SAP30L	0.73	-0.45	0.00
ENSG00000145777	TSLP	0.19	-2.38	0.00
ENSG00000151208	DLG5	0.76	-0.39	0.00
ENSG00000196155	PLEKHG4	0.77	-0.37	0.00
ENSG00000136141	LRCH1	0.70	-0.52	0.00
ENSG00000153822	KCNJ16	0.73	-0.46	0.00
ENSG00000073711	PPP2R3A	0.62	-0.69	0.00
ENSG00000005889	ZFX	0.68	-0.56	0.00
ENSG00000012048	BRCA1	0.68	-0.56	0.00
ENSG00000164062	APEH	0.79	-0.35	0.00
ENSG00000168734	PKIG	0.66	-0.60	0.00
ENSG00000137710	RDX	0.77	-0.39	0.00
ENSG00000126870	WDR60	0.71	-0.50	0.00
ENSG00000153914	SREK1	0.72	-0.48	0.00
ENSG00000114737	CISH	0.31	-1.71	0.00
ENSG00000167522	ANKRD11	0.80	-0.33	0.00
ENSG00000240038	AMY2B	0.39	-1.35	0.00
ENSG00000213983	AP1G2	0.72	-0.47	0.00
ENSG00000128604	IRE5	0.52	-0.94	0.00
ENSG00000143630	HCN3	0.60	-0.74	0.00
ENSG00000155097	ATP6V1C1	0.78	-0.36	0.00
ENSG00000087460	GNAS	0.72	-0.47	0.00
ENSG00000179981	TSHZ1	0.60	-0.73	0.00
ENSG00000230445	LRRC37A6P	0.27	-1.86	0.00
ENSG00000185565	LSAMP	0.34	-1.57	0.00
ENSG00000197363	ZNF517	0.50	-0.99	0.00
ENSG00000241684	ADAMTS9-AS2	0.17	-2.52	0.00
ENSG00000186350	RXRA	0.77	-0.37	0.00
ENSG00000174628	IOCK	0.51	-0.97	0.00
ENSG00000135473	PAN2	0.68	-0.55	0.00
ENSG00000136982	DSCC1	0.63	-0.67	0.00
ENSG00000140905	GCSH	0.75	-0.42	0.00
ENSG00000122687	MRM2	0.74	-0.43	0.00
ENSG00000158158	CNNM4	0.72	-0.47	0.00
ENSG00000198911	SREBF2	0.78	-0.36	0.00
ENSG00000120693	SMAD9	0.47	-1.10	0.00
ENSG00000118705	RPN2	0.82	-0.28	0.00
ENSG00000154429	CCSAP	0.68	-0.56	0.00
ENSG00000170390	DCLK2	0.37	-1.44	0.00
ENSG00000187535	IFT140	0.69	-0.54	0.00
ENSG00000123096	SSPN	0.54	-0.89	0.00
ENSG00000035499	DEPDC1B	0.68	-0.55	0.00

ENSG0000004838	ZMYND10	0.12	-3.02	0.00
ENSG00000072954	TMEM38A	0.38	-1.41	0.00
ENSG00000117791	MTARC2	0.62	-0.69	0.00
ENSG00000244486	SCARF2	0.59	-0.77	0.00
ENSG00000054690	PLEKHH1	0.43	-1.21	0.00
ENSG00000140682	TGFB111	0.66	-0.60	0.00
ENSG00000135451	TROAP	0.68	-0.55	0.00
ENSG00000051180	RAD51	0.61	-0.71	0.00
ENSG00000269113	TRABD2B	0.00	-8.63	0.00
ENSG00000251661	AC136475	0.00	-10.61	0.00
ENSG00000215912	TTC34	0.00	-8.41	0.00
ENSG00000114166	KAT2B	0.61	-0.71	0.00
ENSG00000231160	KLF3-AS1	0.26	-1.92	0.00
ENSG00000126016	AMOT	0.69	-0.53	0.00
ENSG00000162520	SYNC	0.45	-1.15	0.00
ENSG00000127423	AUNIP	0.50	-0.99	0.00
ENSG00000110025	SNX15	0.38	-1.39	0.00
ENSG00000198087	CD2AP	0.75	-0.42	0.00
ENSG00000154237	LRRK1	0.78	-0.35	0.00
ENSG00000167182	SP2	0.70	-0.52	0.00
ENSG00000006047	YBX2	0.16	-2.68	0.00
ENSG00000104983	CCDC61	0.62	-0.68	0.00
ENSG00000142156	COL6A1	0.82	-0.29	0.00
ENSG00000176444	CLK2	0.75	-0.42	0.00
ENSG000000088340	FER1L4	0.53	-0.92	0.00
ENSG00000164190	NIPBL	0.70	-0.52	0.00
ENSG00000125450	NUP85	0.74	-0.43	0.00
ENSG00000130402	ACTN4	0.78	-0.35	0.00
ENSG00000168078	PBK	0.70	-0.51	0.00
ENSG00000204623	ZNRD1ASP	0.49	-1.03	0.00
ENSG00000100722	ZC3H14	0.70	-0.52	0.00
ENSG00000104626	ERI1	0.70	-0.51	0.00
ENSG00000213639	PPP1CB	0.79	-0.34	0.00
ENSG00000115255	REEP6	0.51	-0.96	0.00
ENSG00000123643	SLC36A1	0.65	-0.61	0.00
ENSG00000141627	DYM	0.70	-0.51	0.00
ENSG00000267801	AC087289	0.48	-1.06	0.00
ENSG00000243156	MICAL3	0.69	-0.54	0.00
ENSG00000123219	CENPK	0.60	-0.73	0.00
ENSG00000172469	MANEA	0.53	-0.92	0.00
ENSG00000223802	CERS1	0.43	-1.22	0.00
ENSG00000137478	FCHSD2	0.69	-0.53	0.00
ENSG00000221988	PPT2	0.69	-0.54	0.00
ENSG00000172534	HCFC1	0.79	-0.34	0.00
ENSG00000184307	ZDHHC23	0.66	-0.59	0.00
ENSG00000169679	BUB1	0.76	-0.39	0.00
ENSG00000189339	SLC35E2B	0.78	-0.36	0.00
ENSG00000166803	PCLAF	0.77	-0.37	0.00
ENSG00000277701	AC159540	0.48	-1.07	0.00
ENSG00000272462	U91328	0.39	-1.35	0.00
ENSG00000119285	HEATR1	0.80	-0.32	0.00
ENSG00000185236	RAB11B	0.79	-0.34	0.00
ENSG00000116678	LEPR	0.62	-0.70	0.00
ENSG00000139973	SYT16	0.47	-1.09	0.00
ENSG00000110583	NAA40	0.74	-0.43	0.00
ENSG00000196159	FAT4	0.39	-1.36	0.00
ENSG00000151789	ZNF385D	0.51	-0.99	0.00
ENSG00000164904	ALDH7A1	0.79	-0.35	0.00
ENSG00000065613	SLK	0.70	-0.51	0.00
ENSG00000204442	FAM155A	0.53	-0.91	0.00
ENSG00000137166	FOXP4	0.79	-0.33	0.00

ENSG00000140598	EFL1	0.70	-0.52	0.00
ENSG00000062716	VMP1	0.80	-0.32	0.00
ENSG00000148082	SHC3	0.69	-0.53	0.00
ENSG00000073111	MCM2	0.76	-0.39	0.00
ENSG00000169919	GUSB	0.66	-0.59	0.00
ENSG00000116005	PCYOX1	0.77	-0.37	0.00
ENSG00000286112	AL441992	0.33	-1.58	0.00
ENSG00000169682	SPNS1	0.72	-0.48	0.00
ENSG00000249631	AC005699	0.00	-9.23	0.00
ENSG00000234685	NUS1P2	0.51	-0.98	0.00
ENSG00000169258	GPRIN1	0.77	-0.37	0.00
ENSG00000171208	NETO2	0.78	-0.37	0.00
ENSG00000245112	SMARCA5-AS1	0.51	-0.97	0.00
ENSG00000137073	UBAP2	0.74	-0.43	0.00
ENSG00000116560	SFPO	0.83	-0.28	0.00
ENSG00000107518	ATRNL1	0.36	-1.46	0.00
ENSG00000188878	FBF1	0.73	-0.46	0.00
ENSG00000008405	CRY1	0.69	-0.53	0.00
ENSG00000155561	NUP205	0.79	-0.34	0.00
ENSG00000177707	NECTIN3	0.63	-0.67	0.00
ENSG00000130559	CAMSAP1	0.75	-0.42	0.00
ENSG00000172345	STARD5	0.40	-1.34	0.00
ENSG00000079134	THOC1	0.72	-0.48	0.00
ENSG00000177302	TOP3A	0.76	-0.40	0.00
ENSG00000185339	TCN2	0.60	-0.75	0.00
ENSG00000198826	ARHGAP11A	0.68	-0.56	0.00
ENSG00000164754	RAD21	0.77	-0.37	0.00
ENSG00000112796	ENPP5	0.46	-1.12	0.00
ENSG00000107758	PPP3CB	0.78	-0.37	0.00
ENSG00000184611	KCNH7	0.04	-4.60	0.00
ENSG00000164879	CA3	0.77	-0.39	0.00
ENSG00000138617	PARP16	0.55	-0.86	0.00
ENSG00000095539	SEMA4G	0.64	-0.65	0.00
ENSG00000118162	KPTN	0.60	-0.73	0.00
ENSG00000250376	AC093720	0.00	-11.92	0.00
ENSG00000152240	HAUS1	0.64	-0.65	0.00
ENSG00000183889	AC138969	0.59	-0.76	0.00
ENSG00000164794	KCNV1	0.53	-0.93	0.00
ENSG00000160551	TAOK1	0.78	-0.36	0.00
ENSG00000132466	ANKRD17	0.81	-0.30	0.00
ENSG00000183495	EP400	0.80	-0.32	0.00
ENSG00000106144	CASP2	0.56	-0.85	0.00
ENSG00000130522	IJUND	0.79	-0.34	0.00
ENSG00000107929	LARP4B	0.80	-0.33	0.00
ENSG00000095002	MSH2	0.71	-0.48	0.00
ENSG00000177694	NAALADL2	0.22	-2.16	0.00
ENSG00000094914	AAAS	0.78	-0.36	0.00
ENSG00000166272	WBP1L	0.78	-0.35	0.00
ENSG00000164053	ATRIP	0.60	-0.73	0.00
ENSG00000186522	SEPTIN10	0.74	-0.44	0.00
ENSG00000182957	SPATA13	0.46	-1.12	0.00
ENSG00000167702	KIFC2	0.65	-0.63	0.00
ENSG00000126243	LRFN3	0.62	-0.70	0.00
ENSG00000223891	OSER1-DT	0.61	-0.70	0.00
ENSG00000198089	SFI1	0.66	-0.60	0.00
ENSG00000166046	TCP11L2	0.58	-0.78	0.00
ENSG00000147202	DIAPH2	0.62	-0.70	0.00
ENSG00000121671	CRY2	0.63	-0.67	0.00
ENSG00000136720	HS6ST1	0.69	-0.54	0.00
ENSG00000044459	CNTLN	0.54	-0.88	0.00
ENSG00000132002	DNAJB1	0.80	-0.32	0.00

ENSG00000044090	CUL7	0.78	-0.36	0.00
ENSG00000164087	POC1A	0.70	-0.52	0.00
ENSG00000084234	APLP2	0.80	-0.32	0.00
ENSG00000158062	UBXN11	0.64	-0.64	0.00
ENSG00000136111	TBC1D4	0.70	-0.52	0.00
ENSG00000177189	RPS6KA3	0.73	-0.45	0.00
ENSG00000261061	AC092718	0.56	-0.83	0.00
ENSG00000185630	PBX1	0.73	-0.46	0.00
ENSG00000171357	LURAP1	0.13	-2.89	0.00
ENSG00000026036	RTEL1-TNFRSF6B	0.41	-1.29	0.00
ENSG00000181827	RFX7	0.70	-0.52	0.00
ENSG00000147854	UHRF2	0.69	-0.54	0.00
ENSG00000117009	KMO	0.37	-1.42	0.00
ENSG00000266445	NARF-AS1	0.00	-11.72	0.00
ENSG00000119707	RBM25	0.78	-0.35	0.00
ENSG00000141577	CEP131	0.74	-0.43	0.00
ENSG00000228716	DHFR	0.61	-0.72	0.00
ENSG00000075702	WDR62	0.74	-0.43	0.00
ENSG00000187736	NHEJ1	0.70	-0.52	0.00
ENSG00000006607	FARP2	0.76	-0.40	0.00
ENSG00000125458	NT5C	0.65	-0.63	0.00
ENSG00000120896	SORBS3	0.77	-0.37	0.00
ENSG00000149636	DSN1	0.69	-0.53	0.00
ENSG00000188092	GPR89B	0.51	-0.98	0.00
ENSG00000235852	AC005540	0.65	-0.62	0.00
ENSG00000163617	CCDC191	0.56	-0.84	0.00
ENSG00000101596	SMCHD1	0.70	-0.51	0.00
ENSG00000113448	PDE4D	0.51	-0.98	0.00
ENSG00000081026	MAGI3	0.59	-0.76	0.00
ENSG00000078699	CBFA2T2	0.70	-0.51	0.00
ENSG00000213186	TRIM59	0.50	-1.01	0.00
ENSG00000163041	H3-3A	0.74	-0.44	0.00
ENSG00000145495	MARCF6	0.77	-0.37	0.00
ENSG00000132434	LANCL2	0.75	-0.42	0.00
ENSG00000175505	CLCF1	0.74	-0.44	0.00
ENSG00000129691	ASH2L	0.78	-0.37	0.00
ENSG00000127483	HP1BP3	0.80	-0.33	0.00
ENSG00000183496	MEX3B	0.26	-1.93	0.00
ENSG00000137251	TINAG	0.19	-2.43	0.00
ENSG00000176155	CCDC57	0.79	-0.34	0.00
ENSG00000167173	C15orf39	0.61	-0.72	0.00
ENSG00000128266	GNAZ	0.23	-2.14	0.00
ENSG00000128708	HAT1	0.77	-0.38	0.00
ENSG00000135541	AHI1	0.55	-0.85	0.00
ENSG00000119725	ZNF410	0.68	-0.56	0.00
ENSG00000140836	ZFH3	0.76	-0.40	0.00
ENSG00000197275	RAD54B	0.66	-0.59	0.00
ENSG00000213886	UBD	0.20	-2.33	0.00
ENSG00000125827	TMX4	0.76	-0.40	0.00
ENSG00000175928	LRRN1	0.61	-0.70	0.00
ENSG00000146039	SLC17A4	0.00	-9.19	0.00
ENSG00000162337	LRP5	0.75	-0.41	0.00
ENSG00000100629	CEP128	0.43	-1.23	0.00
ENSG00000167306	MYO5B	0.62	-0.69	0.00
ENSG00000054219	LY75	0.63	-0.68	0.00
ENSG00000130829	DUSP9	0.36	-1.46	0.00
ENSG00000141480	ARRB2	0.71	-0.50	0.00
ENSG00000165186	PTCHD1	0.53	-0.91	0.00
ENSG00000141519	CCDC40	0.60	-0.73	0.00
ENSG00000264538	SUZ12P1	0.57	-0.81	0.00
ENSG00000115993	TRAK2	0.77	-0.37	0.00

ENSG00000164323	CFAP97	0.72	-0.47	0.00
ENSG00000135048	CEMIP2	0.79	-0.34	0.00
ENSG00000287126	AC108488	0.37	-1.44	0.00
ENSG00000053371	AKR7A2	0.69	-0.54	0.00
ENSG00000140450	ARRDC4	0.65	-0.63	0.00
ENSG00000180228	PRKRA	0.74	-0.44	0.00
ENSG00000105677	TMEM147	0.76	-0.40	0.00
ENSG00000178440	TIMM23B-AGAP6	0.34	-1.56	0.00
ENSG00000054793	ATP9A	0.79	-0.35	0.00
ENSG00000104518	GSDMD	0.68	-0.56	0.00
ENSG00000103257	SLC7A5	0.82	-0.29	0.00
ENSG00000177459	ERICH5	0.30	-1.72	0.00
ENSG00000215105	TTC3P1	0.29	-1.79	0.00
ENSG00000186193	SAPCD2	0.72	-0.47	0.00
ENSG00000157106	SMG1	0.77	-0.37	0.00
ENSG00000160310	PRMT2	0.79	-0.34	0.00
ENSG00000162745	OLFML2B	0.25	-1.99	0.00
ENSG00000176244	ACBD7	0.56	-0.85	0.00
ENSG00000143149	ALDH9A1	0.80	-0.32	0.00
ENSG00000236609	ZNF853	0.13	-2.89	0.00
ENSG00000277027	RMRP	0.01	-6.33	0.00
ENSG00000169398	PTK2	0.73	-0.45	0.00
ENSG00000116830	TTF2	0.71	-0.49	0.00
ENSG00000100479	POLE2	0.52	-0.95	0.00
ENSG00000149256	TENM4	0.48	-1.06	0.00
ENSG00000168066	SF1	0.82	-0.28	0.00
ENSG00000132846	ZBED3	0.65	-0.62	0.00
ENSG00000162878	PKDCC	0.61	-0.71	0.00
ENSG00000112249	ASCC3	0.77	-0.37	0.00
ENSG00000149308	NPAT	0.56	-0.83	0.00
ENSG00000074416	MGLL	0.83	-0.27	0.00
ENSG00000261221	ZNF865	0.73	-0.45	0.00
ENSG00000138400	MDH1B	0.46	-1.12	0.00
ENSG00000026103	FAS	0.69	-0.54	0.00
ENSG00000106004	HOXA5	0.66	-0.59	0.00
ENSG00000013288	MAN2B2	0.78	-0.35	0.00
ENSG00000092439	TRPM7	0.70	-0.51	0.00
ENSG00000113360	DROSHA	0.78	-0.35	0.00
ENSG00000101049	SGK2	0.64	-0.63	0.00
ENSG00000138162	TACC2	0.73	-0.46	0.00
ENSG00000076826	CAMSAP3	0.36	-1.46	0.00
ENSG00000117155	SSX2IP	0.65	-0.63	0.00
ENSG00000197555	SIPA1L1	0.61	-0.70	0.00
ENSG00000181523	SGSH	0.74	-0.43	0.00
ENSG00000046651	OFD1	0.69	-0.53	0.00
ENSG00000114315	HES1	0.56	-0.85	0.00
ENSG00000181588	MEX3D	0.68	-0.56	0.00
ENSG00000121858	TNFSF10	0.69	-0.53	0.00
ENSG00000137571	SLCO5A1	0.37	-1.43	0.00
ENSG00000095787	WAC	0.80	-0.32	0.00
ENSG00000168818	STX18	0.77	-0.38	0.00
ENSG00000234420	ZNF37BP	0.55	-0.85	0.00
ENSG00000197417	SHPK	0.73	-0.45	0.00
ENSG00000185515	BRCC3	0.64	-0.64	0.00
ENSG00000225329	LHEPL3-AS2	0.00	-10.00	0.00
ENSG00000120913	PDLIM2	0.63	-0.66	0.00
ENSG00000109819	PPARGC1A	0.60	-0.75	0.00
ENSG00000188493	C19orf54	0.72	-0.47	0.00
ENSG00000151693	ASAP2	0.68	-0.55	0.00
ENSG00000125447	GGA3	0.68	-0.56	0.00
ENSG00000113391	FAM172A	0.61	-0.72	0.00

ENSG00000110315	RNF141	0.75	-0.41	0.00
ENSG00000185201	IFITM2	0.38	-1.41	0.00
ENSG00000106976	DNM1	0.70	-0.51	0.00
ENSG00000255468	AP001107	0.23	-2.13	0.00
ENSG00000049246	PER3	0.64	-0.65	0.00
ENSG00000233610	LINC00462	0.03	-5.07	0.00
ENSG00000170608	FOXA3	0.00	-10.30	0.00
ENSG00000185504	FAAP100	0.77	-0.38	0.00
ENSG00000063587	ZNF275	0.75	-0.41	0.00
ENSG00000071246	VASH1	0.23	-2.12	0.00
ENSG00000074657	ZNF532	0.60	-0.73	0.00
ENSG00000040531	CTNS	0.66	-0.59	0.00
ENSG00000120800	UTP20	0.80	-0.32	0.00
ENSG00000223770	CACNA2D1-AS1	0.04	-4.52	0.00
ENSG00000276975	HYDIN2	0.28	-1.85	0.00
ENSG00000125648	SLC25A23	0.79	-0.34	0.00
ENSG00000196323	ZBTB44	0.57	-0.81	0.00
ENSG00000114999	TTL	0.80	-0.32	0.00
ENSG00000167733	HSD11B1L	0.59	-0.76	0.00
ENSG00000198752	CDC42BPB	0.82	-0.29	0.00
ENSG00000104522	TSTA3	0.74	-0.43	0.00
ENSG00000140367	UBE2O2	0.73	-0.46	0.00
ENSG00000242732	RTL5	0.40	-1.31	0.00
ENSG00000102221	JADE3	0.71	-0.49	0.00
ENSG00000279453	Z99129	0.44	-1.17	0.00
ENSG00000136630	HLX	0.67	-0.58	0.00
ENSG00000170430	MGMT	0.79	-0.35	0.00
ENSG00000225864	AL645939	0.19	-2.39	0.00
ENSG00000203668	CHML	0.75	-0.42	0.00
ENSG00000055917	PUM2	0.72	-0.48	0.00
ENSG00000134072	CAMK1	0.71	-0.50	0.00
ENSG00000105662	CRTC1	0.74	-0.44	0.00
ENSG00000162415	ZSWIM5	0.00	-8.68	0.00
ENSG00000196922	ZNF252P	0.64	-0.64	0.00
ENSG00000169733	RFNG	0.71	-0.50	0.00
ENSG00000119596	YLP1	0.80	-0.32	0.00
ENSG00000144959	NCEH1	0.81	-0.30	0.00
ENSG00000132017	DCAF15	0.74	-0.43	0.00
ENSG00000155893	PXYLP1	0.39	-1.36	0.00
ENSG00000160584	SIK3	0.77	-0.38	0.00
ENSG00000215790	SLC35E2A	0.77	-0.38	0.00
ENSG00000160959	LRRC14	0.78	-0.35	0.00
ENSG00000205593	DENND6B	0.33	-1.60	0.00
ENSG00000110013	SIAE	0.73	-0.45	0.00
ENSG00000135525	MAP7	0.50	-1.00	0.00
ENSG00000007541	PIGO	0.59	-0.76	0.00
ENSG00000148120	AOPEP	0.72	-0.48	0.00
ENSG00000127603	MACF1	0.80	-0.32	0.00
ENSG00000283563	AC098650	0.00	-9.56	0.00
ENSG00000067836	ROGDI	0.67	-0.57	0.00
ENSG00000166912	MTMR10	0.58	-0.79	0.00
ENSG00000142875	PRKACB	0.67	-0.58	0.00
ENSG00000117748	RPA2	0.76	-0.40	0.00
ENSG00000187231	SESTD1	0.62	-0.70	0.00
ENSG00000151882	CCL28	0.43	-1.23	0.00
ENSG00000125618	PAX8	0.84	-0.26	0.00
ENSG00000166326	TRIM44	0.83	-0.27	0.00
ENSG00000239521	CASTOR3	0.61	-0.71	0.00
ENSG00000117448	AKR1A1	0.80	-0.33	0.00
ENSG00000105323	HNRNPUL1	0.82	-0.29	0.00
ENSG00000174938	SEZ6L2	0.74	-0.44	0.00

ENSG00000144040	SFXN5	0.75	-0.42	0.00
ENSG00000174358	SLC6A19	0.03	-5.05	0.00
ENSG00000138119	MYOF	0.83	-0.26	0.00
ENSG00000140545	MFGF8	0.74	-0.43	0.00
ENSG00000133069	TMCC2	0.66	-0.59	0.00
ENSG00000232859	LYRM9	0.49	-1.02	0.00
ENSG00000132824	SERINC3	0.82	-0.28	0.00
ENSG00000163507	CIP2A	0.71	-0.50	0.00
ENSG00000185477	GPRIN3	0.35	-1.53	0.00
ENSG00000121741	ZMYM2	0.76	-0.40	0.00
ENSG00000148719	DNAJB12	0.79	-0.34	0.00
ENSG00000163624	CDS1	0.38	-1.40	0.00
ENSG00000079841	RIMS1	0.19	-2.39	0.00
ENSG00000179361	ARID3B	0.56	-0.85	0.00
ENSG00000178467	P4HTM	0.61	-0.72	0.00
ENSG00000152492	CCDC50	0.80	-0.32	0.00
ENSG00000235501	AC105942	0.41	-1.30	0.00
ENSG00000238228	OR7E7P	0.12	-3.01	0.00
ENSG00000140688	RUSF1	0.71	-0.50	0.00
ENSG00000004866	ST7	0.73	-0.45	0.00
ENSG00000198075	SULT1C4	0.00	-9.48	0.00
ENSG00000143164	DCAF6	0.81	-0.30	0.00
ENSG00000035928	RFC1	0.79	-0.34	0.00
ENSG00000117016	RIMS3	0.39	-1.34	0.00
ENSG00000144115	THNSL2	0.65	-0.61	0.00
ENSG00000277053	GTF2IP1	0.69	-0.53	0.00
ENSG00000213465	ARL2	0.77	-0.38	0.00
ENSG00000126215	XRCC3	0.71	-0.49	0.00
ENSG00000124164	VAPB	0.62	-0.69	0.00
ENSG00000120327	PCDHB14	0.28	-1.83	0.00
ENSG00000151623	NR3C2	0.49	-1.02	0.00
ENSG00000123416	TUBA1B	0.77	-0.37	0.00
ENSG00000188647	PTAR1	0.75	-0.42	0.00
ENSG00000007168	PAFAH1B1	0.67	-0.59	0.00
ENSG00000166398	GARRE1	0.73	-0.46	0.00
ENSG00000128567	PODXL	0.42	-1.25	0.00
ENSG00000046647	GEMIN8	0.65	-0.63	0.00
ENSG00000167711	SERPINE2	0.33	-1.60	0.00
ENSG00000068383	INPP5A	0.76	-0.39	0.00
ENSG00000167202	TBC1D2B	0.79	-0.33	0.00
ENSG00000227036	LINC00511	0.58	-0.78	0.00
ENSG00000188596	CFAP54	0.24	-2.05	0.00
ENSG00000060656	PTPRU	0.60	-0.75	0.00
ENSG00000171798	KNDC1	0.00	-8.34	0.00
ENSG00000223764	LINC02593	0.01	-6.29	0.00
ENSG00000123570	RAB9B	0.59	-0.75	0.00
ENSG00000288640	AC005192	0.00	-9.54	0.00
ENSG00000230535	BASP1P1	0.16	-2.61	0.00
ENSG00000103647	CORO2B	0.32	-1.63	0.00
ENSG00000175318	GRAMD2A	0.05	-4.36	0.00
ENSG00000261611	AC010547	0.17	-2.60	0.00
ENSG00000006756	ARSD	0.73	-0.44	0.00
ENSG00000159423	ALDH4A1	0.75	-0.42	0.00
ENSG00000230438	SERPINB9P1	0.57	-0.81	0.00
ENSG00000138286	FAM149B1	0.73	-0.46	0.00
ENSG00000148158	SNX30	0.72	-0.47	0.00
ENSG00000099284	MACROH2A2	0.67	-0.58	0.00
ENSG00000142102	PGGHG	0.63	-0.68	0.00
ENSG00000164104	HMGB2	0.65	-0.62	0.00
ENSG00000177791	MYOZ1	0.00	-10.77	0.00
ENSG00000231013	SCTR-AS1	0.00	-9.50	0.00

ENSG00000132405	TBC1D14	0.82	-0.28	0.00
ENSG00000137817	PARP6	0.73	-0.46	0.00
ENSG00000166889	PATL1	0.80	-0.32	0.00
ENSG00000123374	CDK2	0.69	-0.54	0.00
ENSG00000177425	PAWR	0.76	-0.40	0.00
ENSG00000122547	EFPD1	0.68	-0.55	0.00
ENSG00000135766	EGLN1	0.80	-0.33	0.00
ENSG00000142798	HSPG2	0.82	-0.29	0.00
ENSG00000145949	MYLK4	0.23	-2.15	0.00
ENSG00000048707	VPS13D	0.76	-0.39	0.00
ENSG00000198246	SLC29A3	0.42	-1.25	0.00
ENSG00000214113	LYRM4	0.63	-0.66	0.00
ENSG00000140025	EFCAB11	0.60	-0.75	0.00
ENSG00000172071	EIF2AK3	0.67	-0.57	0.00
ENSG00000130726	TRIM28	0.81	-0.31	0.00
ENSG00000162341	TPCN2	0.71	-0.50	0.00
ENSG00000075790	BCAP29	0.55	-0.85	0.00
ENSG00000165023	DIRAS2	0.10	-3.30	0.00
ENSG00000007944	MYLIP	0.59	-0.76	0.00
ENSG00000185344	ATP6V0A2	0.73	-0.45	0.00
ENSG00000136848	DAB2IP	0.44	-1.19	0.00
ENSG00000170037	CNTROB	0.77	-0.37	0.00
ENSG00000104133	SPG11	0.69	-0.54	0.00
ENSG00000131446	MGAT1	0.83	-0.26	0.00
ENSG00000221829	FANCG	0.77	-0.37	0.00
ENSG00000096968	JAK2	0.57	-0.81	0.00
ENSG00000175274	TP53I11	0.57	-0.81	0.00
ENSG00000153044	CENPH	0.69	-0.53	0.00
ENSG00000056097	ZFR	0.80	-0.33	0.00
ENSG00000141446	ESCO1	0.64	-0.65	0.00
ENSG00000139631	CSAD	0.63	-0.66	0.00
ENSG00000181856	SLC2A4	0.05	-4.32	0.00
ENSG00000104835	SARS2	0.74	-0.44	0.00
ENSG00000187624	C17orf97	0.45	-1.16	0.00
ENSG00000164976	MYORG	0.55	-0.87	0.00
ENSG00000128274	A4GALT	0.59	-0.77	0.00
ENSG00000139083	ETV6	0.80	-0.31	0.00
ENSG00000130787	HIP1R	0.78	-0.37	0.00
ENSG00000178971	CTC1	0.70	-0.51	0.00
ENSG00000088280	ASAP3	0.71	-0.49	0.00
ENSG00000094975	SUCO	0.75	-0.42	0.00
ENSG00000064989	CALCRL	0.43	-1.20	0.00
ENSG00000104886	PLEKHJ1	0.64	-0.65	0.00
ENSG00000128908	INO80	0.75	-0.41	0.00
ENSG00000149476	TKFC	0.71	-0.49	0.00
ENSG00000135913	USP37	0.60	-0.73	0.00
ENSG00000133624	ZNF767P	0.67	-0.57	0.00
ENSG00000085788	DDHD2	0.66	-0.61	0.00
ENSG00000185420	SMYD3	0.72	-0.47	0.00
ENSG00000196498	NCOR2	0.84	-0.26	0.00
ENSG00000235269	LINC02331	0.00	-9.87	0.00
ENSG00000168268	NT5DC2	0.76	-0.39	0.00
ENSG00000005206	SPPL2B	0.73	-0.45	0.00
ENSG00000243302	AC018638	0.56	-0.83	0.00
ENSG00000078403	MLLT10	0.71	-0.49	0.00
ENSG00000104375	STK3	0.71	-0.49	0.00
ENSG00000125676	THOC2	0.75	-0.42	0.00
ENSG00000181744	DIPK2A	0.69	-0.54	0.00
ENSG00000151461	UPF2	0.72	-0.48	0.00
ENSG00000130695	CEP85	0.73	-0.46	0.00
ENSG00000160211	G6PD	0.84	-0.25	0.00

ENSG00000223658	C1GALT1C1L	0.45	-1.16	0.00
ENSG00000286847	AC007036	0.00	-10.07	0.00
ENSG00000170085	SIMC1	0.64	-0.65	0.00
ENSG00000131242	RAB11FIP4	0.22	-2.16	0.00
ENSG00000163104	SMARCAD1	0.75	-0.41	0.00
ENSG00000168172	HOOK3	0.76	-0.39	0.00
ENSG00000099849	RASSF7	0.62	-0.68	0.00
ENSG00000024422	EHD2	0.77	-0.38	0.00
ENSG00000052841	TTC17	0.81	-0.30	0.00
ENSG00000272768	AC004854	0.11	-3.22	0.00
ENSG00000109756	RAPGEF2	0.76	-0.40	0.00
ENSG00000110844	PRPF40B	0.72	-0.47	0.00
ENSG00000011295	TTC19	0.57	-0.80	0.00
ENSG00000174516	PEL13	0.62	-0.70	0.00
ENSG00000113580	NR3C1	0.80	-0.32	0.00
ENSG00000183092	BEGAIN	0.26	-1.93	0.00
ENSG00000183283	DAZAP2	0.69	-0.54	0.00
ENSG00000006704	GTF2IRD1	0.78	-0.37	0.00
ENSG00000137285	TUBB2B	0.68	-0.55	0.00
ENSG00000205959	AC105345	0.00	-8.88	0.00
ENSG00000085063	CD59	0.77	-0.38	0.00
ENSG00000140326	CDAN1	0.74	-0.43	0.00
ENSG00000197061	H4C3	0.04	-4.75	0.00
ENSG00000130545	CRB3	0.18	-2.49	0.00
ENSG00000213064	SFT2D2	0.83	-0.28	0.00
ENSG00000087586	AURKA	0.82	-0.29	0.00
ENSG00000103126	AXIN1	0.75	-0.42	0.00
ENSG00000172059	KLF11	0.70	-0.52	0.00
ENSG00000109323	MANBA	0.72	-0.47	0.00
ENSG00000124486	USP9X	0.82	-0.28	0.00
ENSG00000166333	ILK	0.82	-0.29	0.00
ENSG00000103540	CCP110	0.70	-0.52	0.00
ENSG00000101104	PABPC1L	0.74	-0.44	0.00
ENSG00000131788	PIAS3	0.79	-0.33	0.00
ENSG00000141367	CLTC	0.84	-0.26	0.00
ENSG00000149925	ALDOA	0.85	-0.23	0.00
ENSG00000156642	NPTN	0.82	-0.28	0.00
ENSG00000129757	CDKN1C	0.32	-1.62	0.00
ENSG00000141068	KSR1	0.71	-0.50	0.00
ENSG00000128944	KNSTRN	0.71	-0.49	0.00
ENSG00000248801	C8orf34-AS1	0.05	-4.47	0.00
ENSG00000103145	HCFC1R1	0.71	-0.49	0.00
ENSG00000161692	DBF4B	0.73	-0.46	0.00
ENSG00000111581	NUP107	0.78	-0.37	0.00
ENSG00000230606	AC092683	0.42	-1.26	0.00
ENSG00000270659	AC079610	0.00	-11.73	0.00
ENSG00000157933	SKI	0.83	-0.28	0.00
ENSG00000163655	GMPS	0.84	-0.26	0.00
ENSG00000101972	STAG2	0.78	-0.35	0.00
ENSG00000134253	TRIM45	0.66	-0.60	0.00
ENSG00000153237	CCDC148	0.27	-1.88	0.00
ENSG00000108187	PBLD	0.58	-0.78	0.00
ENSG00000186472	PCLO	0.47	-1.08	0.00
ENSG00000197879	MYO1C	0.82	-0.28	0.00
ENSG00000073712	FERMT2	0.73	-0.45	0.00
ENSG00000014914	MTMR11	0.64	-0.64	0.00
ENSG00000047365	ARAP2	0.60	-0.74	0.00
ENSG00000137726	FXYD6	0.16	-2.63	0.00
ENSG00000110195	FOLR1	0.36	-1.46	0.00
ENSG00000134030	CTIF	0.72	-0.47	0.00
ENSG00000269190	FBXO17	0.76	-0.40	0.00

ENSG00000123352	SPATS2	0.76	-0.40	0.00
ENSG00000025796	SEC63	0.76	-0.39	0.00
ENSG00000105738	SIPAL3	0.80	-0.33	0.00
ENSG00000160216	AGPAT3	0.80	-0.32	0.00
ENSG00000158711	ELK4	0.77	-0.38	0.00
ENSG00000121057	AKAP1	0.82	-0.29	0.00
ENSG00000009954	BAZ1B	0.81	-0.31	0.00
ENSG00000149716	LTO1	0.57	-0.80	0.00
ENSG00000161682	FAM171A2	0.48	-1.05	0.00
ENSG00000184719	RNLS	0.69	-0.54	0.00
ENSG00000143919	CAMKMT	0.55	-0.86	0.00
ENSG00000248383	PCDHAC1	0.05	-4.19	0.00
ENSG00000270055	AC127502	0.54	-0.88	0.00
ENSG00000172638	EFEMP2	0.65	-0.61	0.00
ENSG00000007384	RHBDF1	0.63	-0.67	0.00
ENSG00000138439	FAM117B	0.64	-0.63	0.00
ENSG00000176208	ATAD5	0.62	-0.68	0.00
ENSG00000167397	VKORC1	0.74	-0.43	0.00
ENSG00000114805	PLCH1	0.65	-0.63	0.00
ENSG00000167740	CYB5D2	0.75	-0.42	0.00
ENSG00000119636	BBOF1	0.42	-1.25	0.00
ENSG00000189127	ANKRD34B	0.16	-2.67	0.00
ENSG00000165507	DEPP1	0.74	-0.44	0.00
ENSG00000144278	GALNT13	0.68	-0.55	0.00
ENSG00000133739	LRRCC1	0.52	-0.95	0.00
ENSG00000034533	ASTE1	0.65	-0.63	0.00
ENSG00000172201	ID4	0.00	-9.05	0.00
ENSG00000123975	CKS2	0.82	-0.29	0.00
ENSG00000073008	PVR	0.76	-0.40	0.00
ENSG00000131591	C1orf159	0.68	-0.55	0.00
ENSG00000112039	FANCE	0.67	-0.57	0.00
ENSG00000146576	C7orf26	0.71	-0.49	0.00
ENSG00000130803	ZNF317	0.76	-0.40	0.00
ENSG00000133195	SLC39A11	0.76	-0.39	0.00
ENSG00000101974	ATP11C	0.77	-0.38	0.00
ENSG00000168765	GSTM4	0.61	-0.72	0.00
ENSG00000248763	AC111000	0.26	-1.95	0.00
ENSG00000128512	DOCK4	0.77	-0.38	0.00
ENSG00000157343	ARMC12	0.00	-10.52	0.00
ENSG00000159674	SPON2	0.33	-1.62	0.00
ENSG00000135144	DTX1	0.17	-2.53	0.00
ENSG00000280206	AC026401	0.61	-0.72	0.00
ENSG00000009830	POMT2	0.77	-0.38	0.00
ENSG00000002586	CD99	0.79	-0.35	0.00
ENSG00000075886	TUBA3D	0.18	-2.46	0.00
ENSG00000254996	ANKHD1-EIF4EBP3	0.77	-0.38	0.00
ENSG00000124831	LRRFIP1	0.81	-0.30	0.00
ENSG00000165156	ZHX1	0.57	-0.81	0.00
ENSG00000151233	GXYLT1	0.73	-0.45	0.00
ENSG00000257621	PSMA3-AS1	0.67	-0.58	0.00
ENSG00000238103	RPL9P7	0.76	-0.39	0.00
ENSG00000156136	DCK	0.80	-0.32	0.00
ENSG00000100997	ABHD12	0.74	-0.43	0.00
ENSG00000135643	KCNMB4	0.45	-1.17	0.00
ENSG00000165795	NDRG2	0.37	-1.43	0.00
ENSG00000204851	PNMA8B	0.37	-1.44	0.00
ENSG00000198925	ATG9A	0.75	-0.42	0.00
ENSG00000244257	PKD1P1	0.77	-0.38	0.00
ENSG00000196562	SULF2	0.37	-1.43	0.00
ENSG00000185986	SDHAP3	0.42	-1.27	0.00
ENSG00000278771	RN7SL3	0.08	-3.66	0.00

ENSG00000174669	SLC29A2	0.26	-1.93	0.00
ENSG00000236064	AL109946	0.16	-2.69	0.00
ENSG00000132424	PNISR	0.78	-0.36	0.00
ENSG00000267480	AP001542	0.41	-1.28	0.00
ENSG00000133424	LARGE1	0.28	-1.86	0.00
ENSG00000205250	E2F4	0.79	-0.34	0.00
ENSG00000165406	MARCF8	0.73	-0.46	0.00
ENSG00000138688	KIAA1109	0.70	-0.51	0.00
ENSG00000115486	GGCX	0.82	-0.29	0.00
ENSG00000152939	MARVELD2	0.59	-0.77	0.00
ENSG00000173898	SPTBN2	0.29	-1.80	0.00
ENSG00000159685	CHCHD6	0.78	-0.37	0.00
ENSG00000181929	PRKAG1	0.81	-0.30	0.00
ENSG00000078369	GNB1	0.84	-0.25	0.00
ENSG00000141753	IGFBP4	0.61	-0.71	0.00
ENSG00000101290	CDS2	0.81	-0.30	0.00
ENSG00000228791	THRB-AS1	0.00	-8.23	0.00
ENSG00000105647	PIK3R2	0.69	-0.53	0.00
ENSG00000163697	APBB2	0.82	-0.28	0.00
ENSG00000030419	IKZF2	0.41	-1.28	0.00
ENSG00000143797	MBOAT2	0.78	-0.36	0.00
ENSG00000206341	HLA-H	0.53	-0.92	0.00
ENSG00000204764	RANBP17	0.60	-0.74	0.00
ENSG00000074755	ZZEF1	0.82	-0.28	0.00
ENSG00000198353	HOXC4	0.23	-2.12	0.00
ENSG00000175265	GOLGA8A	0.62	-0.69	0.00
ENSG00000198331	HYLS1	0.67	-0.58	0.00
ENSG00000150687	PRSS23	0.58	-0.80	0.00
ENSG00000116199	FAM20B	0.82	-0.28	0.00
ENSG00000179456	ZBTB18	0.78	-0.36	0.00
ENSG00000184992	BRI3BP	0.76	-0.40	0.00
ENSG00000103319	EEF2K	0.81	-0.31	0.00
ENSG00000176387	HSD11B2	0.19	-2.37	0.00
ENSG00000198162	MAN1A2	0.81	-0.30	0.00
ENSG00000276772	AC025271	0.00	-10.24	0.00
ENSG00000284048	AC073111	0.21	-2.27	0.00
ENSG00000204624	DISP3	0.00	-8.27	0.00
ENSG00000284308	C2orf81	0.37	-1.45	0.00
ENSG00000169710	FASN	0.84	-0.25	0.00
ENSG00000125817	CENPB	0.83	-0.26	0.00
ENSG00000176714	CCDC121	0.35	-1.50	0.01
ENSG00000092096	SLC22A17	0.38	-1.39	0.01
ENSG00000139178	C1RL	0.77	-0.38	0.01
ENSG00000178921	PEAS	0.78	-0.36	0.01
ENSG00000075624	ACTB	0.78	-0.37	0.01
ENSG00000164929	BAALC	0.38	-1.41	0.01
ENSG00000178977	LINC00324	0.15	-2.72	0.01
ENSG00000155957	TMBIM4	0.74	-0.43	0.01
ENSG00000152404	CWF19L2	0.57	-0.81	0.01
ENSG00000182054	IDH2	0.82	-0.29	0.01
ENSG00000159214	CCDC24	0.60	-0.73	0.01
ENSG00000119938	PPP1R3C	0.66	-0.60	0.01
ENSG00000205078	SYCE1L	0.53	-0.91	0.01
ENSG00000123636	BAZ2B	0.72	-0.48	0.01
ENSG00000169760	NLGN1	0.38	-1.40	0.01
ENSG00000111679	PTPN6	0.76	-0.39	0.01
ENSG00000120756	PLS1	0.67	-0.59	0.01
ENSG00000106991	ENG	0.83	-0.27	0.01
ENSG00000132376	INPP5K	0.78	-0.36	0.01
ENSG00000030066	NUP160	0.82	-0.29	0.01
ENSG00000171056	SOX7	0.00	-9.16	0.01

ENSG00000173557	FAM166C	0.00	-9.52	0.01
ENSG00000164096	C4orf3	0.82	-0.29	0.01
ENSG00000088387	DOCK9	0.77	-0.39	0.01
ENSG00000183763	TRAIP	0.63	-0.67	0.01
ENSG00000114423	CBLB	0.69	-0.55	0.01
ENSG00000124788	ATXN1	0.70	-0.51	0.01
ENSG00000249437	NAIP	0.44	-1.20	0.01
ENSG00000171877	FRMD5	0.49	-1.02	0.01
ENSG00000162913	OBSCN-AS1	0.43	-1.22	0.01
ENSG00000187164	SHTN1	0.78	-0.36	0.01
ENSG00000117868	ESYT2	0.83	-0.27	0.01
ENSG00000033170	FUT8	0.71	-0.49	0.01
ENSG00000176915	ANKLE2	0.84	-0.26	0.01
ENSG00000135378	PRRG4	0.61	-0.72	0.01
ENSG00000065717	TLE2	0.17	-2.54	0.01
ENSG00000177463	NR2C2	0.81	-0.30	0.01
ENSG00000259250	AC018904	0.12	-3.09	0.01
ENSG00000164307	ERAP1	0.72	-0.47	0.01
ENSG00000201185	RNA5SP202	0.03	-4.99	0.01
ENSG00000176095	IP6K1	0.81	-0.30	0.01
ENSG00000256663	AC112777	0.62	-0.69	0.01
ENSG00000263956	NBPF11	0.71	-0.49	0.01
ENSG00000165821	SALL2	0.72	-0.48	0.01
ENSG00000066777	ARFGEF1	0.78	-0.35	0.01
ENSG00000140153	WDR20	0.56	-0.84	0.01
ENSG00000173638	SLC19A1	0.79	-0.33	0.01
ENSG00000130177	CDC16	0.82	-0.29	0.01
ENSG00000178814	OPLAH	0.58	-0.78	0.01
ENSG00000121289	CEP89	0.77	-0.37	0.01
ENSG00000145284	SCD5	0.75	-0.42	0.01
ENSG00000178761	FAM219B	0.59	-0.76	0.01
ENSG00000162946	DISC1	0.73	-0.45	0.01
ENSG00000078687	TNRC6C	0.34	-1.55	0.01
ENSG00000175029	CTBP2	0.76	-0.40	0.01
ENSG00000279094	LINC01670	0.00	-10.94	0.01
ENSG00000279348	AC012513	0.54	-0.90	0.01
ENSG00000128050	PAICS	0.67	-0.58	0.01
ENSG00000058673	ZC3H11A	0.75	-0.41	0.01
ENSG00000099622	CIRBP	0.80	-0.33	0.01
ENSG00000173272	MZT2A	0.79	-0.35	0.01
ENSG00000048649	RSF1	0.75	-0.41	0.01
ENSG00000080298	REF3	0.63	-0.66	0.01
ENSG00000135837	CEP350	0.76	-0.40	0.01
ENSG00000099917	MED15	0.81	-0.31	0.01
ENSG00000176771	NCKAP5	0.41	-1.30	0.01
ENSG00000109738	GLRB	0.64	-0.65	0.01
ENSG00000163635	ATXN7	0.60	-0.73	0.01
ENSG00000157540	DYRK1A	0.66	-0.61	0.01
ENSG00000181826	RELL1	0.74	-0.43	0.01
ENSG00000136856	SLC2A8	0.68	-0.56	0.01
ENSG00000112699	GMD5	0.62	-0.69	0.01
ENSG00000095015	MAP3K1	0.71	-0.49	0.01
ENSG00000184216	IRAK1	0.85	-0.23	0.01
ENSG00000108479	GALK1	0.76	-0.40	0.01
ENSG00000284946	AC068831	0.60	-0.73	0.01
ENSG00000177200	CHD9	0.74	-0.43	0.01
ENSG00000132744	ACY3	0.00	-10.38	0.01
ENSG00000112499	SLC22A2	0.00	-8.27	0.01
ENSG00000261594	TPBGL	0.00	-9.39	0.01
ENSG00000167130	DOLPP1	0.74	-0.43	0.01
ENSG00000196136	SERPINA3	0.00	-9.13	0.01

ENSG00000058063	ATP11B	0.81	-0.31	0.01
ENSG00000279177	CTBP2P9	0.36	-1.45	0.01
ENSG00000185158	LRRC37B	0.60	-0.73	0.01
ENSG00000080503	SMARCA2	0.81	-0.30	0.01
ENSG00000171446	KRT27	0.18	-2.47	0.01
ENSG00000099953	MMP11	0.16	-2.63	0.01
ENSG00000115548	KDM3A	0.79	-0.33	0.01
ENSG00000150867	PIP4K2A	0.82	-0.29	0.01
ENSG00000083444	PLOD1	0.86	-0.22	0.01
ENSG00000144199	FAHD2B	0.55	-0.86	0.01
ENSG00000168591	TMUB2	0.76	-0.40	0.01
ENSG00000124422	USP22	0.85	-0.24	0.01
ENSG00000267561	AC093155	0.00	-9.80	0.01
ENSG00000120942	UBIAD1	0.80	-0.33	0.01
ENSG00000164535	DAGLB	0.74	-0.43	0.01
ENSG00000117528	ABCD3	0.75	-0.41	0.01
ENSG00000269026	AC003006	0.00	-11.16	0.01
ENSG00000287146	AC000085	0.00	-11.14	0.01
ENSG00000196588	MRTEFA	0.81	-0.31	0.01
ENSG00000077044	DGKD	0.82	-0.28	0.01
ENSG00000146063	TRIM41	0.81	-0.31	0.01
ENSG00000160446	ZDHHC12	0.78	-0.36	0.01
ENSG00000104219	ZDHHC2	0.80	-0.33	0.01
ENSG00000079739	PGM1	0.85	-0.23	0.01
ENSG00000179195	ZNF664	0.22	-2.20	0.01
ENSG00000095713	CRTAC1	0.00	-9.01	0.01
ENSG00000130943	PKDREJ	0.00	-7.87	0.01
ENSG00000141026	MED9	0.70	-0.51	0.01
ENSG00000149179	C11orf49	0.75	-0.41	0.01
ENSG00000196911	KPNA5	0.54	-0.89	0.01
ENSG00000160199	PKNOX1	0.71	-0.50	0.01
ENSG00000230426	LINC01036	0.52	-0.94	0.01
ENSG00000082996	RNF13	0.59	-0.76	0.01
ENSG00000109680	TBC1D19	0.66	-0.60	0.01
ENSG00000251003	ZFPM2-AS1	0.65	-0.63	0.01
ENSG00000259209	AC004943	0.01	-6.76	0.01
ENSG00000156414	TDRD9	0.72	-0.47	0.01
ENSG00000225230	AC008937	0.00	-11.02	0.01
ENSG00000124789	NUP153	0.80	-0.31	0.01
ENSG00000133116	KL	0.14	-2.83	0.01
ENSG00000174799	CEP135	0.60	-0.74	0.01
ENSG00000148341	SH3GLB2	0.75	-0.41	0.01
ENSG00000147471	PLPBP	0.78	-0.35	0.01
ENSG00000144647	POMGNT2	0.75	-0.41	0.01
ENSG00000284879	AC133644	0.56	-0.84	0.01
ENSG00000143178	TBX19	0.57	-0.80	0.01
ENSG00000180035	ZNF48	0.75	-0.42	0.01
ENSG00000143970	ASXL2	0.77	-0.37	0.01
ENSG00000136213	CHST12	0.78	-0.35	0.01
ENSG00000269968	AC006064	0.00	-8.47	0.01
ENSG00000188807	TMEM201	0.72	-0.47	0.01
ENSG00000275322	AC103746	0.38	-1.39	0.01
ENSG00000100167	SEPTIN3	0.05	-4.19	0.01
ENSG00000112530	PACRG	0.10	-3.32	0.01
ENSG00000271880	AGAP11	0.09	-3.51	0.01
ENSG00000213859	KCTD11	0.76	-0.40	0.01
ENSG00000187840	EIF4EBP1	0.84	-0.24	0.01
ENSG00000198055	GRK6	0.81	-0.31	0.01
ENSG00000128602	SMO	0.84	-0.26	0.01
ENSG00000181754	AMIGO1	0.37	-1.42	0.01
ENSG00000214114	MYCBP	0.78	-0.37	0.01

ENSG00000164828	SUN1	0.85	-0.24	0.01
ENSG00000130844	ZNF331	0.34	-1.56	0.01
ENSG00000114268	PFKFB4	0.75	-0.41	0.01
ENSG00000129158	SERGEF	0.70	-0.52	0.01
ENSG00000011021	CLCN6	0.64	-0.65	0.01
ENSG00000187726	DNAJB13	0.45	-1.14	0.01
ENSG00000249859	PVT1	0.72	-0.48	0.01
ENSG00000159363	ATP13A2	0.77	-0.39	0.01
ENSG00000164125	GASK1B	0.80	-0.32	0.01
ENSG00000236088	COX10-AS1	0.40	-1.34	0.01
ENSG00000082781	ITGB5	0.84	-0.25	0.01
ENSG00000182858	ALG12	0.78	-0.36	0.01
ENSG00000107890	ANKRD26	0.63	-0.67	0.01
ENSG00000005108	THSD7A	0.35	-1.53	0.01
ENSG00000170759	KIF5B	0.81	-0.31	0.01
ENSG00000214940	NPIPA8	0.65	-0.63	0.01
ENSG00000149292	TTC12	0.63	-0.66	0.01
ENSG00000182272	B4GALNT4	0.52	-0.95	0.01
ENSG00000171155	C1GALT1C1	0.80	-0.33	0.01
ENSG00000024526	DEPDC1	0.66	-0.59	0.01
ENSG00000147535	PLPP5	0.70	-0.51	0.01
ENSG00000110318	CEP126	0.68	-0.55	0.01
ENSG00000164402	SEPTIN8	0.80	-0.32	0.01
ENSG00000143457	GOLPH3L	0.80	-0.32	0.01
ENSG00000100697	DICER1	0.73	-0.44	0.01
ENSG00000184005	ST6GALNAC3	0.45	-1.15	0.01
ENSG00000185046	ANKS1B	0.39	-1.36	0.01
ENSG00000273038	AL365203	0.56	-0.82	0.01
ENSG00000100505	TRIM9	0.61	-0.70	0.01
ENSG00000213390	ARHGAP19	0.72	-0.47	0.01
ENSG00000164989	CCDC171	0.41	-1.29	0.01
ENSG00000186352	ANKRD37	0.50	-0.99	0.01
ENSG00000205309	NT5M	0.26	-1.92	0.01
ENSG00000106771	TMEM245	0.84	-0.26	0.01
ENSG00000107281	NPDC1	0.67	-0.58	0.01
ENSG00000165516	KLHDC2	0.70	-0.52	0.01
ENSG00000219545	UMAD1	0.68	-0.57	0.01
ENSG00000107902	LHPP	0.67	-0.58	0.01
ENSG00000125968	ID1	0.80	-0.33	0.01
ENSG00000249363	AC011411	0.00	-11.03	0.01
ENSG00000090776	EFNB1	0.64	-0.64	0.01
ENSG00000245662	LINC02211	0.20	-2.32	0.01
ENSG00000130856	ZNF236	0.71	-0.49	0.01
ENSG00000129007	CALML4	0.54	-0.90	0.01
ENSG00000196275	GTF2IRD2	0.63	-0.66	0.01
ENSG00000141668	CBLN2	0.09	-3.54	0.01
ENSG00000111450	STX2	0.79	-0.35	0.01
ENSG00000122420	PTGFR	0.63	-0.67	0.01
ENSG0000012983	MAP4K5	0.79	-0.34	0.01
ENSG00000143924	EML4	0.82	-0.28	0.01
ENSG00000152380	FAM151B	0.33	-1.60	0.01
ENSG00000176619	LMNB2	0.85	-0.24	0.01
ENSG00000128731	HERC2	0.83	-0.28	0.01
ENSG00000173064	HECTD4	0.82	-0.29	0.01
ENSG00000121310	ECHDC2	0.79	-0.33	0.01
ENSG00000161920	MED11	0.66	-0.59	0.01
ENSG00000125629	INSIG2	0.66	-0.61	0.01
ENSG00000137161	CNPY3	0.82	-0.29	0.01
ENSG00000197332	AC008543	0.02	-5.41	0.01
ENSG00000267980	AC007292	0.14	-2.85	0.01
ENSG00000147536	GINS4	0.82	-0.29	0.01

ENSG00000102144	PGK1	0.84	-0.25	0.01
ENSG00000170004	CHD3	0.84	-0.24	0.01
ENSG00000168758	SEMA4C	0.69	-0.53	0.01
ENSG00000125124	BBS2	0.79	-0.34	0.01
ENSG00000109066	TMEM104	0.84	-0.26	0.01
ENSG00000177853	ZNF518A	0.64	-0.63	0.01
ENSG00000166507	NDST2	0.67	-0.59	0.01
ENSG00000138434	ITPRID2	0.78	-0.35	0.01
ENSG00000118689	FOXO3	0.80	-0.32	0.01
ENSG00000157322	CLEC18A	0.21	-2.27	0.01
ENSG00000236008	LINC01814	0.30	-1.74	0.01
ENSG00000109606	DHX15	0.84	-0.25	0.01
ENSG00000153107	ANAPC1	0.84	-0.24	0.01
ENSG00000119574	ZBTB45	0.74	-0.44	0.01
ENSG00000184838	PRR16	0.37	-1.43	0.01
ENSG00000103197	TSC2	0.83	-0.27	0.01
ENSG00000274419	TBC1D3D	0.67	-0.58	0.01
ENSG00000050438	SLC4A8	0.29	-1.78	0.01
ENSG00000137496	IL18BP	0.64	-0.65	0.01
ENSG00000171659	GPR34	0.00	-9.90	0.01
ENSG00000157456	CCNB2	0.80	-0.33	0.01
ENSG00000168038	ULK4	0.66	-0.61	0.01
ENSG00000180530	NRIP1	0.82	-0.29	0.01
ENSG00000085224	ATRX	0.65	-0.61	0.01
ENSG00000261578	AP003119	0.40	-1.31	0.01
ENSG00000116273	PHF13	0.82	-0.29	0.01
ENSG00000213599	SLX1A-SULT1A3	0.67	-0.58	0.01
ENSG00000135324	MRAP2	0.42	-1.24	0.01
ENSG00000238083	LRRC37A2	0.70	-0.52	0.01
ENSG00000270087	AC010997	0.00	-11.42	0.01
ENSG00000158966	CACHD1	0.66	-0.59	0.01
ENSG00000083720	OXCT1	0.77	-0.37	0.01
ENSG00000136828	RALGPS1	0.28	-1.84	0.01
ENSG00000152520	PAN3	0.77	-0.37	0.01
ENSG00000136051	WASHC4	0.73	-0.45	0.01
ENSG00000260804	LINC01963	0.62	-0.68	0.01
ENSG00000164105	SAP30	0.69	-0.54	0.01
ENSG00000100583	SAMD15	0.44	-1.19	0.01
ENSG00000090975	PITPNM2	0.77	-0.37	0.01
ENSG00000148200	NR6A1	0.48	-1.05	0.01
ENSG00000139324	TMTC3	0.76	-0.40	0.01
ENSG00000157833	GAREM2	0.65	-0.63	0.01
ENSG00000172057	ORMDL3	0.83	-0.27	0.01
ENSG00000138376	BARD1	0.64	-0.64	0.01
ENSG00000113569	NUP155	0.82	-0.29	0.01
ENSG00000120616	EPC1	0.70	-0.52	0.01
ENSG00000155229	MMS19	0.84	-0.25	0.01
ENSG00000137507	LRRC32	0.07	-3.89	0.01
ENSG00000090238	YPEL3	0.72	-0.48	0.01
ENSG00000197818	SLC9A8	0.78	-0.35	0.01
ENSG00000225420	AC104134	0.00	-10.07	0.01
ENSG00000286056	AC008055	0.00	-9.46	0.01
ENSG00000163736	PPBP	0.00	-10.27	0.01
ENSG00000127329	PTPRB	0.76	-0.39	0.01
ENSG00000168743	NPNT	0.22	-2.16	0.01
ENSG00000122783	CYREN	0.81	-0.30	0.01
ENSG00000152785	BMP3	0.00	-8.05	0.01
ENSG00000231674	LINC00410	0.00	-9.64	0.01
ENSG00000179841	AKAP5	0.20	-2.33	0.01
ENSG00000106927	AMBP	0.54	-0.89	0.01
ENSG00000197705	KLHL14	0.00	-8.40	0.01

ENSG00000238105	GOLGA2P5	0.38	-1.38	0.01
ENSG00000180573	H2AC6	0.54	-0.90	0.01
ENSG00000099326	MZF1	0.78	-0.36	0.01
ENSG00000167775	CD320	0.81	-0.30	0.01
ENSG00000105325	FZR1	0.73	-0.46	0.01
ENSG00000148730	EIF4EBP2	0.84	-0.26	0.01
ENSG00000164118	CEP44	0.64	-0.65	0.01
ENSG00000148824	MTG1	0.78	-0.35	0.01
ENSG00000151287	TEX30	0.71	-0.50	0.01
ENSG00000111305	GSG1	0.00	-9.14	0.01
ENSG00000164953	TMEM67	0.68	-0.55	0.01
ENSG00000255389	Z97989	0.22	-2.19	0.01
ENSG00000139160	ETFBKMT	0.33	-1.62	0.01
ENSG00000101222	SPEF1	0.06	-4.08	0.01
ENSG00000277531	PNMA8C	0.10	-3.31	0.01
ENSG00000072135	PTPN18	0.71	-0.49	0.01
ENSG00000103510	KAT8	0.80	-0.32	0.01
ENSG00000008277	ADAM22	0.60	-0.74	0.01
ENSG00000164151	ICE1	0.80	-0.32	0.01
ENSG00000182557	SPNS3	0.42	-1.26	0.01
ENSG00000118997	DNAH7	0.40	-1.33	0.01
ENSG00000164961	WASHC5	0.78	-0.36	0.01
ENSG00000163848	ZNF148	0.78	-0.36	0.01
ENSG00000165591	FAAH2	0.06	-4.07	0.01
ENSG00000005882	PDK2	0.76	-0.39	0.01
ENSG00000132004	FBXW9	0.68	-0.56	0.01
ENSG00000095777	MYO3A	0.43	-1.22	0.01
ENSG00000265763	ZNF488	0.15	-2.71	0.01
ENSG00000181788	SIAH2	0.79	-0.35	0.01
ENSG00000147533	GOLGA7	0.75	-0.41	0.01
ENSG00000272333	KMT2B	0.83	-0.27	0.01
ENSG00000161847	RAVER1	0.83	-0.26	0.01
ENSG00000168615	ADAM9	0.84	-0.25	0.01
ENSG00000229743	LINC01159	0.34	-1.55	0.01
ENSG00000115652	UXS1	0.73	-0.46	0.01
ENSG00000110514	MADD	0.83	-0.27	0.01
ENSG00000183793	NPIPA5	0.52	-0.95	0.01
ENSG00000166225	FRS2	0.50	-1.00	0.01
ENSG00000104880	ARHGEF18	0.82	-0.29	0.01
ENSG00000180104	EXOC3	0.84	-0.25	0.01
ENSG00000147485	PXDNL	0.18	-2.48	0.01
ENSG00000132967	HMGB1P5	0.78	-0.35	0.01
ENSG00000135916	ITM2C	0.83	-0.27	0.01
ENSG00000197329	PEL1	0.73	-0.45	0.01
ENSG00000064651	SLC12A2	0.79	-0.35	0.01
ENSG00000254844	AP000757	0.05	-4.30	0.01
ENSG00000177508	IRX3	0.22	-2.17	0.01
ENSG00000276718	AC005840	0.08	-3.69	0.01
ENSG00000169855	ROBO1	0.78	-0.35	0.01
ENSG00000141499	WRAP53	0.76	-0.39	0.01
ENSG00000287896	AC073548	0.00	-9.49	0.01
ENSG00000198513	ATL1	0.63	-0.66	0.01
ENSG00000128159	TUBGCP6	0.76	-0.39	0.01
ENSG00000102554	KLF5	0.62	-0.70	0.01
ENSG00000128581	IFT22	0.76	-0.39	0.01
ENSG00000176697	BDNF	0.72	-0.47	0.01
ENSG00000174586	ZNF497	0.00	-11.45	0.01
ENSG00000196396	PTPN1	0.86	-0.22	0.01
ENSG00000169660	HEXD	0.74	-0.44	0.01
ENSG00000176894	PXMP2	0.74	-0.43	0.01
ENSG00000204842	ATXN2	0.78	-0.36	0.01

ENSG00000125089	SH3TC1	0.70	-0.52	0.01
ENSG00000107625	DDX50	0.74	-0.44	0.01
ENSG00000078967	UBE2D4	0.64	-0.65	0.01
ENSG00000288597	AC234782	0.02	-5.38	0.01
ENSG00000181722	ZBTB20	0.46	-1.13	0.01
ENSG00000153936	HS2ST1	0.83	-0.27	0.01
ENSG00000145675	PIK3R1	0.80	-0.31	0.01
ENSG00000138398	PPIG	0.78	-0.37	0.01
ENSG00000120075	HOXB5	0.68	-0.55	0.01
ENSG00000108840	HDAC5	0.77	-0.37	0.01
ENSG00000150712	MTMR12	0.80	-0.32	0.01
ENSG00000113763	UNC5A	0.08	-3.56	0.01
ENSG00000160051	IOCC	0.62	-0.68	0.01
ENSG00000068489	PRR11	0.86	-0.22	0.01
ENSG00000083642	PDS5B	0.70	-0.52	0.01
ENSG00000146267	FAXC	0.39	-1.35	0.01
ENSG00000205041	AC118344	0.37	-1.45	0.01
ENSG00000224597	SVIL-AS1	0.61	-0.71	0.01
ENSG00000182240	BACE2	0.76	-0.40	0.01
ENSG00000104517	UBR5	0.85	-0.24	0.01
ENSG00000183426	NPIPA1	0.69	-0.55	0.01
ENSG00000132016	C19orf57	0.48	-1.07	0.01
ENSG00000132522	GPS2	0.81	-0.30	0.01
ENSG00000138658	ZGRF1	0.55	-0.85	0.01
ENSG00000168487	BMP1	0.81	-0.30	0.01
ENSG00000254739	AC137894	0.00	-11.48	0.01
ENSG00000187837	H1-2	0.69	-0.53	0.01
ENSG00000154874	CCDC144B	0.02	-5.79	0.01
ENSG00000282936	AC004706	0.62	-0.70	0.01
ENSG00000273046	AC012531	0.00	-11.28	0.01
ENSG00000138161	CUZD1	0.04	-4.75	0.01
ENSG00000170515	PA2G4	0.85	-0.23	0.01
ENSG00000102471	NDFIP2	0.75	-0.42	0.01
ENSG00000109787	KLF3	0.83	-0.27	0.01
ENSG00000173890	GPR160	0.54	-0.90	0.01
ENSG00000173531	MST1	0.46	-1.11	0.01
ENSG00000105227	PRX	0.61	-0.72	0.01
ENSG00000145982	FARS2	0.76	-0.39	0.01
ENSG00000213625	LEPROT	0.83	-0.26	0.01
ENSG00000100129	EIF3L	0.84	-0.25	0.01
ENSG00000205129	C4orf47	0.37	-1.42	0.01
ENSG00000028528	SNX1	0.83	-0.26	0.01
ENSG00000135829	DHX9	0.86	-0.22	0.01
ENSG00000204745	AC083899	0.64	-0.64	0.01
ENSG00000161328	LRRC56	0.31	-1.69	0.01
ENSG00000213977	TAX1BP3	0.85	-0.23	0.01
ENSG00000186409	CCDC30	0.48	-1.06	0.01
ENSG00000013441	CLK1	0.78	-0.36	0.01
ENSG00000157212	PAXIP1	0.80	-0.31	0.01
ENSG00000139687	RB1	0.74	-0.43	0.01
ENSG00000134873	CLDN10	0.00	-9.95	0.01
ENSG00000106346	USP42	0.76	-0.39	0.01
ENSG00000286075	AC009412	0.68	-0.55	0.01
ENSG00000106003	LFNG	0.84	-0.25	0.01
ENSG00000198707	CEP290	0.70	-0.51	0.01
ENSG00000188428	BLOC1S5	0.65	-0.61	0.01
ENSG00000102893	PHKB	0.78	-0.36	0.01
ENSG00000119969	HELLS	0.62	-0.69	0.01
ENSG00000180155	LYNX1	0.54	-0.88	0.01
ENSG00000014824	SLC30A9	0.84	-0.26	0.01
ENSG00000162735	PEX19	0.69	-0.54	0.01

ENSG00000138767	CNOT6L	0.77	-0.38	0.01
ENSG00000038002	AGA	0.81	-0.31	0.01
ENSG00000170242	USP47	0.80	-0.32	0.01
ENSG00000164093	PITX2	0.65	-0.62	0.01
ENSG00000173757	STAT5B	0.84	-0.26	0.01
ENSG00000241790	ENO1P4	0.63	-0.67	0.01
ENSG00000144746	ARL6IP5	0.83	-0.26	0.01
ENSG00000280543	ASAP1-IT2	0.00	-9.63	0.01
ENSG00000262823	AC127521	0.00	-10.47	0.01
ENSG00000286724	AL732509	0.33	-1.60	0.01
ENSG00000272273	IER3-AS1	0.00	-11.49	0.01
ENSG00000179094	PER1	0.74	-0.43	0.01
ENSG00000176014	TUBB6	0.75	-0.42	0.01
ENSG00000156466	GDF6	0.25	-1.97	0.01
ENSG00000167774	AC010323	0.60	-0.73	0.01
ENSG00000206530	CFAP44	0.62	-0.69	0.01
ENSG00000254469	AP002495	0.37	-1.43	0.01
ENSG00000134900	TPP2	0.82	-0.28	0.01
ENSG00000168010	ATG16L2	0.61	-0.71	0.01
ENSG00000272870	SAP30-DT	0.32	-1.66	0.01
ENSG00000140538	NTRK3	0.27	-1.91	0.01
ENSG00000108852	MPP2	0.68	-0.55	0.01
ENSG00000185432	METTL7A	0.47	-1.09	0.01
ENSG00000251685	UGT2B27P	0.00	-9.84	0.01
ENSG00000197785	ATAD3A	0.85	-0.24	0.01
ENSG00000156050	FAM161B	0.62	-0.68	0.01
ENSG00000095564	BTA1	0.80	-0.32	0.01
ENSG00000101191	DIDO1	0.85	-0.23	0.01
ENSG00000258749	AL110504	0.44	-1.19	0.01
ENSG00000134138	MEIS2	0.63	-0.67	0.01
ENSG00000197168	NEK5	0.32	-1.67	0.01
ENSG00000106479	ZNF862	0.75	-0.42	0.01
ENSG00000147548	NSD3	0.73	-0.45	0.01
ENSG00000141294	LRRC46	0.49	-1.04	0.01
ENSG00000111271	ACAD10	0.78	-0.35	0.01
ENSG00000198160	MIER1	0.75	-0.41	0.01
ENSG00000164684	ZNF704	0.68	-0.56	0.01
ENSG00000039319	ZFYVE16	0.78	-0.36	0.01
ENSG00000161671	EMC10	0.83	-0.27	0.01
ENSG00000187790	FANCM	0.54	-0.88	0.01
ENSG00000233381	AK4P3	0.38	-1.41	0.01
ENSG00000103494	RPGRIP1L	0.77	-0.37	0.01
ENSG00000113318	MSH3	0.78	-0.36	0.01
ENSG00000071205	ARHGAP10	0.81	-0.31	0.01
ENSG00000187676	B3GLCT	0.73	-0.46	0.01
ENSG00000128789	PSMG2	0.84	-0.26	0.01
ENSG00000084676	NCOA1	0.73	-0.46	0.01
ENSG00000254852	NPIPA2	0.22	-2.20	0.01
ENSG00000145916	RMND5B	0.78	-0.35	0.01
ENSG00000156876	SASS6	0.53	-0.92	0.01
ENSG00000172878	METAP1D	0.74	-0.43	0.01
ENSG00000100307	CBX7	0.64	-0.65	0.01
ENSG00000039139	DNAH5	0.68	-0.56	0.01
ENSG00000228839	PIK3IP1-DT	0.00	-11.32	0.01
ENSG00000141699	RETREG3	0.84	-0.25	0.01
ENSG00000171345	KRT19	0.62	-0.70	0.01
ENSG00000259345	AC013652	0.33	-1.60	0.01
ENSG00000163527	STT3B	0.86	-0.22	0.01
ENSG00000031691	CENPO	0.66	-0.61	0.01
ENSG00000150995	ITPR1	0.69	-0.53	0.01
ENSG00000170264	FAM161A	0.60	-0.74	0.01

ENSG00000134824	FADS2	0.70	-0.52	0.01
ENSG00000130714	POMT1	0.80	-0.33	0.01
ENSG00000078142	PIK3C3	0.78	-0.35	0.01
ENSG00000196912	ANKRD36B	0.49	-1.01	0.01
ENSG00000196632	WNK3	0.56	-0.84	0.01
ENSG00000134852	CLOCK	0.79	-0.35	0.01
ENSG00000123810	B9D2	0.66	-0.59	0.01
ENSG00000072840	EVC	0.86	-0.22	0.01
ENSG00000134222	PSRC1	0.72	-0.47	0.01
ENSG00000108588	CCDC47	0.85	-0.24	0.01
ENSG00000213606	AKR1B10P1	0.05	-4.39	0.01
ENSG00000232040	ZBED9	0.42	-1.26	0.01
ENSG00000272944	AC079834	0.28	-1.81	0.01
ENSG00000136146	MED4	0.79	-0.34	0.01
ENSG00000138074	SLC5A6	0.83	-0.27	0.01
ENSG00000188051	TMEM221	0.00	-9.31	0.01
ENSG00000188452	CERKL	0.39	-1.36	0.01
ENSG00000226887	ERYMER34-1	0.65	-0.63	0.01
ENSG00000213104	NPM1P46	0.00	-10.85	0.01
ENSG00000187240	DYNC2H1	0.61	-0.71	0.01
ENSG00000276805	AL133216	0.53	-0.93	0.01
ENSG00000109610	SOD3	0.54	-0.88	0.01
ENSG00000154146	NRGN	0.66	-0.59	0.01
ENSG00000125246	CLYBL	0.63	-0.67	0.01
ENSG00000106443	PHF14	0.72	-0.48	0.01
ENSG00000162736	NCSTN	0.85	-0.23	0.01
ENSG00000100982	PCIF1	0.83	-0.28	0.02
ENSG00000214753	HNRNPUL2	0.86	-0.21	0.02
ENSG00000122970	IFT81	0.71	-0.49	0.02
ENSG00000077097	TOP2B	0.81	-0.30	0.02
ENSG00000198792	TMEM184B	0.83	-0.27	0.02
ENSG00000109881	CCDC34	0.75	-0.42	0.02
ENSG00000114021	NIT2	0.85	-0.23	0.02
ENSG00000110429	FBXO3	0.75	-0.41	0.02
ENSG00000040341	STAU2	0.81	-0.31	0.02
ENSG00000167646	DNAAF3	0.29	-1.81	0.02
ENSG00000135956	TMEM127	0.85	-0.24	0.02
ENSG00000250251	PKD1P6	0.70	-0.51	0.02
ENSG00000073910	FRY	0.48	-1.06	0.02
ENSG00000274565	AC080038	0.58	-0.78	0.02
ENSG00000138081	FBXO11	0.80	-0.32	0.02
ENSG00000178966	RMI1	0.70	-0.52	0.02
ENSG00000152061	RABGAP1L	0.66	-0.61	0.02
ENSG00000108947	EFNB3	0.33	-1.60	0.02
ENSG00000100478	AP4S1	0.65	-0.62	0.02
ENSG00000160294	MCM3AP	0.83	-0.26	0.02
ENSG00000241973	PI4KA	0.85	-0.23	0.02
ENSG00000181544	FANCB	0.62	-0.70	0.02
ENSG00000125872	LRRN4	0.70	-0.51	0.02
ENSG00000271380	AL451085	0.28	-1.84	0.02
ENSG00000144043	TEX261	0.85	-0.24	0.02
ENSG00000211445	GPX3	0.66	-0.60	0.02
ENSG00000241563	CORT	0.02	-5.69	0.02
ENSG00000175220	ARHGAP1	0.85	-0.23	0.02
ENSG00000136153	LMO7	0.72	-0.48	0.02
ENSG00000203706	SERTAD4-AS1	0.63	-0.66	0.02
ENSG00000100320	RBFOX2	0.86	-0.22	0.02
ENSG00000260233	ZNRD2-AS1	0.45	-1.15	0.02
ENSG00000105879	CBLL1	0.57	-0.81	0.02
ENSG00000171241	SHCBP1	0.83	-0.26	0.02
ENSG00000225205	AC078883	0.38	-1.41	0.02

ENSG00000144567	RETREG2	0.76	-0.40	0.02
ENSG00000188747	NOXA1	0.00	-9.73	0.02
ENSG00000114023	FAM162A	0.82	-0.28	0.02
ENSG00000111731	C2CD5	0.76	-0.39	0.02
ENSG00000066027	PPP2R5A	0.80	-0.32	0.02
ENSG00000060749	OSER1	0.68	-0.56	0.02
ENSG00000148737	TCF7L2	0.65	-0.62	0.02
ENSG00000177311	ZBTB38	0.22	-2.16	0.02
ENSG00000163040	CCDC74A	0.74	-0.44	0.02
ENSG00000179029	TMEM107	0.66	-0.60	0.02
ENSG00000048991	R3HDM1	0.84	-0.26	0.02
ENSG00000158545	ZC3H18	0.82	-0.29	0.02
ENSG00000145850	TIMD4	0.53	-0.92	0.02
ENSG00000154678	PDE1C	0.02	-5.44	0.02
ENSG00000118690	ARMC2	0.46	-1.13	0.02
ENSG00000124155	PIGT	0.76	-0.39	0.02
ENSG00000164362	TERT	0.56	-0.83	0.02
ENSG00000135365	PHF21A	0.82	-0.28	0.02
ENSG00000183258	DDX41	0.85	-0.24	0.02
ENSG00000138792	ENPEP	0.59	-0.75	0.02
ENSG00000254389	RHPN1-AS1	0.47	-1.09	0.02
ENSG00000124641	MED20	0.68	-0.56	0.02
ENSG00000269148	AC092301	0.00	-10.90	0.02
ENSG00000287402	AL158167	0.00	-9.91	0.02
ENSG00000198270	TMEM116	0.67	-0.58	0.02
ENSG00000107829	FBXW4	0.82	-0.29	0.02
ENSG00000117298	ECE1	0.87	-0.20	0.02
ENSG00000169562	GJB1	0.00	-8.45	0.02
ENSG00000171757	LRRC34	0.00	-8.27	0.02
ENSG00000215883	CYB5RL	0.64	-0.63	0.02
ENSG00000255874	PRECSIT	0.77	-0.37	0.02
ENSG00000204576	PRR3	0.77	-0.37	0.02
ENSG00000273311	DGCR11	0.64	-0.63	0.02
ENSG00000102904	TSNAXIP1	0.38	-1.39	0.02
ENSG00000076248	UNG	0.84	-0.26	0.02
ENSG00000169302	STK32A	0.46	-1.13	0.02
ENSG00000261794	GOLGA8H	0.14	-2.84	0.02
ENSG00000177640	CASC2	0.45	-1.14	0.02
ENSG00000137337	MDC1	0.81	-0.31	0.02
ENSG00000169446	MMGT1	0.83	-0.28	0.02
ENSG00000132436	FIGNL1	0.64	-0.65	0.02
ENSG00000196693	ZNF33B	0.49	-1.02	0.02
ENSG00000117477	CCDC181	0.60	-0.75	0.02
ENSG00000283378	CNTNAP3C	0.33	-1.62	0.02
ENSG00000146950	SHROOM2	0.45	-1.16	0.02
ENSG00000188176	SMTNL2	0.00	-9.12	0.02
ENSG00000089335	ZNF302	0.62	-0.68	0.02
ENSG00000071537	SEL1L	0.86	-0.22	0.02
ENSG00000144485	HES6	0.43	-1.21	0.02
ENSG00000086200	IPO11	0.81	-0.30	0.02
ENSG00000155629	PIK3AP1	0.74	-0.43	0.02
ENSG00000141905	NFIC	0.77	-0.37	0.02
ENSG00000231426	FILNC1	0.00	-9.55	0.02
ENSG00000102038	SMARCA1	0.84	-0.25	0.02
ENSG00000138769	CDKL2	0.46	-1.12	0.02
ENSG00000139874	SSTR1	0.50	-1.01	0.02
ENSG00000065135	GNAI3	0.83	-0.26	0.02
ENSG00000231584	FAHD2CP	0.32	-1.63	0.02
ENSG00000137822	TUBGCP4	0.79	-0.34	0.02
ENSG00000102977	ACD	0.78	-0.36	0.02
ENSG00000250767	AC139783	0.06	-4.08	0.02

ENSG00000250091	DNAH10OS	0.32	-1.64	0.02
ENSG00000173013	CCDC96	0.72	-0.48	0.02
ENSG00000183346	CABCOCO1	0.31	-1.67	0.02
ENSG00000271167	LINC01109	0.09	-3.43	0.02
ENSG00000070366	SMG6	0.83	-0.27	0.02
ENSG00000184500	PROS1	0.71	-0.49	0.02
ENSG00000230074	AL162231	0.65	-0.62	0.02
ENSG00000144228	SPOPL	0.77	-0.38	0.02
ENSG00000141867	BRD4	0.85	-0.23	0.02
ENSG00000285644	AC108448	0.43	-1.22	0.02
ENSG00000089820	ARHGAP4	0.11	-3.14	0.02
ENSG00000176225	RTTN	0.76	-0.39	0.02
ENSG00000288063	AC099050	0.00	-9.77	0.02
ENSG00000168589	DYNLRB2	0.00	-9.86	0.02
ENSG00000013573	DDX11	0.83	-0.26	0.02
ENSG00000177169	ULK1	0.80	-0.32	0.02
ENSG00000162694	EXTL2	0.70	-0.52	0.02
ENSG00000166183	ASPG	0.00	-8.00	0.02
ENSG00000005302	MSL3	0.81	-0.31	0.02
ENSG00000131507	NDFIP1	0.85	-0.23	0.02
ENSG00000144395	CCDC150	0.56	-0.84	0.02
ENSG00000040608	RTN4R	0.07	-3.81	0.02
ENSG00000196290	NIF3L1	0.79	-0.34	0.02
ENSG00000109458	GAB1	0.72	-0.48	0.02
ENSG00000149657	LSM14B	0.82	-0.28	0.02
ENSG00000267811	AP001160	0.12	-3.12	0.02
ENSG00000127663	KDM4B	0.83	-0.26	0.02
ENSG00000274180	NATD1	0.77	-0.39	0.02
ENSG00000261371	PECAM1	0.32	-1.66	0.02
ENSG00000100442	FKBP3	0.81	-0.31	0.02
ENSG00000269973	AC010969	0.40	-1.32	0.02
ENSG00000230006	ANKRD36BP2	0.32	-1.66	0.02
ENSG00000198176	TFDP1	0.82	-0.29	0.02
ENSG00000177106	EPS8L2	0.85	-0.24	0.02
ENSG00000186501	TMEM222	0.70	-0.52	0.02
ENSG00000183814	LIN9	0.73	-0.45	0.02
ENSG00000213347	MXD3	0.79	-0.33	0.02
ENSG00000099377	HSD3B7	0.75	-0.42	0.02
ENSG00000184903	IMMP2L	0.63	-0.66	0.02
ENSG00000032742	IFT88	0.59	-0.77	0.02
ENSG00000235605	AL355472	0.09	-3.41	0.02
ENSG00000273247	AC097376	0.42	-1.25	0.02
ENSG00000136715	SAP130	0.82	-0.28	0.02
ENSG00000152291	TGOLN2	0.87	-0.20	0.02
ENSG00000164136	IL15	0.65	-0.63	0.02
ENSG00000101138	CSTF1	0.78	-0.35	0.02
ENSG00000064961	HMG20B	0.82	-0.28	0.02
ENSG00000257354	AC048341	0.74	-0.43	0.02
ENSG00000196284	SUPT3H	0.70	-0.50	0.02
ENSG00000125534	PPDPF	0.85	-0.24	0.02
ENSG00000172239	PAIP1	0.82	-0.28	0.02
ENSG00000129219	PLD2	0.83	-0.27	0.02
ENSG00000180739	S1PR5	0.56	-0.84	0.02
ENSG00000064763	FAR2	0.80	-0.32	0.02
ENSG00000279673	AC092919	0.40	-1.32	0.02
ENSG00000107984	DKK1	0.58	-0.79	0.02
ENSG00000100425	BRD1	0.80	-0.32	0.02
ENSG00000229559	AL353597	0.00	-10.47	0.02
ENSG00000275120	AC048382	0.00	-8.71	0.02
ENSG00000197535	MYO5A	0.71	-0.49	0.02
ENSG00000130396	AEDN	0.84	-0.26	0.02

ENSG00000173894	CBX2	0.54	-0.89	0.02
ENSG00000142166	IFNAR1	0.72	-0.48	0.02
ENSG00000162512	SDC3	0.83	-0.27	0.02
ENSG00000124743	KIHL31	0.26	-1.92	0.02
ENSG00000146828	SLC12A9	0.83	-0.26	0.02
ENSG00000243716	NPIP5	0.78	-0.36	0.02
ENSG00000183010	PYCR1	0.71	-0.49	0.02
ENSG00000274092	AC106739	0.37	-1.45	0.02
ENSG00000110696	C11orf58	0.87	-0.20	0.02
ENSG00000115183	TANC1	0.81	-0.30	0.02
ENSG00000130939	UBE4B	0.84	-0.26	0.02
ENSG00000094804	CDC6	0.83	-0.27	0.02
ENSG00000118432	CNR1	0.28	-1.83	0.02
ENSG00000127616	SMARCA4	0.86	-0.21	0.02
ENSG00000172014	ANKRD20A4P	0.03	-5.03	0.02
ENSG00000163002	NUP35	0.74	-0.43	0.02
ENSG00000132563	REEP2	0.57	-0.81	0.02
ENSG00000064419	TNPO3	0.87	-0.20	0.02
ENSG00000164896	FASTK	0.82	-0.28	0.02
ENSG00000111907	TPD52L1	0.80	-0.33	0.02
ENSG00000026297	RNASET2	0.74	-0.44	0.02
ENSG00000167595	PROSER3	0.70	-0.52	0.02
ENSG00000285676	AL158212	0.00	-10.11	0.02
ENSG00000179941	BBS10	0.74	-0.43	0.02
ENSG00000264204	AGAP7P	0.26	-1.96	0.02
ENSG00000105248	YJU2	0.76	-0.39	0.02
ENSG00000102796	DHRS12	0.64	-0.65	0.02
ENSG00000183833	CFAP91	0.55	-0.86	0.02
ENSG00000276168	RN7SL1	0.10	-3.29	0.02
ENSG00000138303	ASCC1	0.81	-0.30	0.02
ENSG00000129048	ACKR4	0.50	-0.99	0.02
ENSG00000115641	FHL2	0.88	-0.19	0.02
ENSG00000162032	SPSB3	0.73	-0.44	0.02
ENSG00000105996	HOXA2	0.51	-0.97	0.02
ENSG00000153234	NR4A2	0.44	-1.19	0.02
ENSG00000141646	SMAD4	0.75	-0.42	0.02
ENSG00000178177	LCORL	0.63	-0.66	0.02
ENSG00000248333	CDK11B	0.86	-0.22	0.02
ENSG00000122877	EGR2	0.26	-1.97	0.02
ENSG00000112167	SAYSD1	0.73	-0.45	0.02
ENSG00000105948	TTC26	0.62	-0.68	0.02
ENSG00000076944	STXBP2	0.84	-0.25	0.02
ENSG00000135315	CEP162	0.61	-0.72	0.02
ENSG00000267414	SETBP1-DT	0.14	-2.83	0.02
ENSG00000186298	PPP1CC	0.80	-0.33	0.02
ENSG00000288398	AL109627	0.65	-0.62	0.02
ENSG00000104824	HNRNPL	0.88	-0.19	0.02
ENSG00000170689	HOXB9	0.83	-0.27	0.02
ENSG00000100784	RPS6KA5	0.68	-0.55	0.02
ENSG00000004534	RBM6	0.79	-0.33	0.02
ENSG00000144857	BOC	0.51	-0.97	0.02
ENSG00000276966	H4C5	0.16	-2.63	0.02
ENSG00000178860	MSC	0.88	-0.19	0.02
ENSG00000140284	SLC27A2	0.30	-1.75	0.02
ENSG00000204682	MIR1915HG	0.79	-0.34	0.02
ENSG00000166813	KIF7	0.71	-0.49	0.02
ENSG00000106686	SPATA6L	0.52	-0.93	0.02
ENSG00000286553	AL357075	0.08	-3.68	0.02
ENSG00000129946	SHC2	0.12	-3.05	0.02
ENSG00000100503	NIN	0.83	-0.27	0.02
ENSG00000105519	CAPS	0.62	-0.68	0.02

ENSG00000175130	MARCKSL1	0.87	-0.21	0.02
ENSG00000144589	STK11IP	0.82	-0.29	0.02
ENSG00000280055	TMEM75	0.04	-4.74	0.02
ENSG00000204138	PHACTR4	0.71	-0.49	0.02
ENSG00000147601	TERF1	0.83	-0.27	0.02
ENSG00000174353	STAG3L3	0.82	-0.29	0.02
ENSG00000170379	TCAF2	0.51	-0.98	0.02
ENSG00000112293	GPLD1	0.41	-1.28	0.02
ENSG00000008952	SEC62	0.83	-0.27	0.02
ENSG00000158292	GPR153	0.64	-0.64	0.02
ENSG00000011114	BTBD7	0.78	-0.37	0.02
ENSG00000018699	TTC27	0.79	-0.34	0.02
ENSG00000151849	CENPJ	0.71	-0.50	0.02
ENSG00000021762	OSBPL5	0.73	-0.45	0.02
ENSG00000159409	CELF3	0.00	-7.74	0.02
ENSG00000120539	MASTL	0.80	-0.32	0.02
ENSG00000198824	CHAMP1	0.84	-0.25	0.02
ENSG00000205746	AC126755	0.68	-0.55	0.02
ENSG00000089876	DHX32	0.84	-0.24	0.02
ENSG00000160111	CPAMD8	0.25	-1.98	0.02
ENSG00000111879	FAM184A	0.39	-1.35	0.02
ENSG00000204427	ABHD16A	0.79	-0.33	0.02
ENSG00000069018	TRPC7	0.00	-8.43	0.02
ENSG00000254471	AP001284	0.00	-9.23	0.02
ENSG00000180818	HOXC10	0.77	-0.39	0.02
ENSG00000075292	ZNF638	0.78	-0.36	0.02
ENSG00000138336	TET1	0.38	-1.40	0.02
ENSG00000085511	MAP3K4	0.80	-0.33	0.02
ENSG00000274964	AC026356	0.36	-1.49	0.02
ENSG00000077454	LRCH4	0.74	-0.43	0.02
ENSG00000130733	YIPF2	0.82	-0.29	0.02
ENSG00000286805	AL138716	0.31	-1.67	0.02
ENSG00000250021	ARPIN-AP3S2	0.11	-3.18	0.02
ENSG00000036257	CUL3	0.85	-0.24	0.02
ENSG00000172461	FUT9	0.45	-1.16	0.02
ENSG00000237515	SHISA9	0.80	-0.32	0.02
ENSG00000134250	NOTCH2	0.88	-0.19	0.02
ENSG00000166171	DPCD	0.80	-0.32	0.02
ENSG00000077942	FBLN1	0.80	-0.32	0.02
ENSG00000198727	MT-CYB	0.88	-0.19	0.02
ENSG00000108406	DHX40	0.81	-0.31	0.02
ENSG00000048828	FAM120A	0.87	-0.19	0.02
ENSG00000274012	RN7SL2	0.08	-3.69	0.02
ENSG00000154359	LONRF1	0.68	-0.56	0.02
ENSG00000157551	KCNJ15	0.01	-6.94	0.02
ENSG00000163050	COO8A	0.84	-0.26	0.02
ENSG00000198756	COLGALT2	0.47	-1.09	0.02
ENSG00000168795	ZBTB5	0.80	-0.32	0.02
ENSG00000081386	ZNF510	0.68	-0.56	0.02
ENSG00000151090	THRB	0.53	-0.92	0.02
ENSG00000116984	MTR	0.78	-0.37	0.02
ENSG00000285967	NIPBL-DT	0.69	-0.54	0.02
ENSG00000118816	CCNI	0.87	-0.21	0.02
ENSG00000128513	POT1	0.77	-0.37	0.02
ENSG00000111445	REC5	0.71	-0.50	0.02
ENSG00000100207	TCF20	0.75	-0.42	0.03
ENSG00000247095	MIR210HG	0.56	-0.84	0.03
ENSG00000226435	ANKRD18DP	0.00	-8.62	0.03
ENSG00000104427	ZC2HC1A	0.76	-0.40	0.03
ENSG00000285601	AC084262	0.00	-8.63	0.03
ENSG00000113212	PCDHB7	0.00	-8.40	0.03

ENSG00000255750	AC022509	0.12	-3.04	0.03
ENSG00000180354	MTURN	0.38	-1.40	0.03
ENSG00000176170	SPHK1	0.85	-0.23	0.03
ENSG00000092201	SUPT16H	0.85	-0.23	0.03
ENSG00000204816	FGF7P5	0.00	-12.09	0.03
ENSG00000099860	GADD45B	0.65	-0.63	0.03
ENSG00000143537	ADAM15	0.86	-0.22	0.03
ENSG00000122971	ACADS	0.68	-0.56	0.03
ENSG00000011523	CEP68	0.80	-0.33	0.03
ENSG00000163320	CGGBP1	0.78	-0.35	0.03
ENSG00000177225	GATD1	0.71	-0.48	0.03
ENSG00000113119	TMCO6	0.71	-0.49	0.03
ENSG00000079387	SENP1	0.74	-0.44	0.03
ENSG00000092010	PSME1	0.84	-0.25	0.03
ENSG00000107566	ERLIN1	0.85	-0.23	0.03
ENSG00000122694	GLIPR2	0.63	-0.68	0.03
ENSG00000186470	BTN3A2	0.67	-0.58	0.03
ENSG00000175183	CSRP2	0.73	-0.45	0.03
ENSG00000100568	VTI1B	0.85	-0.24	0.03
ENSG00000267426	AC087289	0.62	-0.68	0.03
ENSG00000055211	GINM1	0.80	-0.32	0.03
ENSG00000122778	KIAA1549	0.83	-0.27	0.03
ENSG00000163864	NMNAT3	0.41	-1.27	0.03
ENSG00000138002	IFT172	0.80	-0.32	0.03
ENSG00000204956	PCDHGA1	0.48	-1.05	0.03
ENSG00000148362	PAXX	0.72	-0.47	0.03
ENSG00000160271	RALGDS	0.80	-0.33	0.03
ENSG00000267023	LRRC37A16P	0.74	-0.44	0.03
ENSG00000234545	FAM133B	0.75	-0.41	0.03
ENSG00000241635	UGT1A1	0.38	-1.40	0.03
ENSG00000116754	SRSF11	0.83	-0.27	0.03
ENSG00000145014	TMEM44	0.78	-0.36	0.03
ENSG00000137414	FAM8A1	0.76	-0.40	0.03
ENSG00000158552	ZFAND2B	0.77	-0.38	0.03
ENSG00000250305	TRMT9B	0.31	-1.70	0.03
ENSG00000179240	GVOW3	0.48	-1.06	0.03
ENSG00000260625	AC026471	0.00	-10.37	0.03
ENSG00000070756	PABPC1	0.88	-0.18	0.03
ENSG00000172977	KAT5	0.82	-0.28	0.03
ENSG00000287731	AL035603	0.00	-9.52	0.03
ENSG00000111653	ING4	0.79	-0.34	0.03
ENSG00000100030	MAPK1	0.87	-0.20	0.03
ENSG00000112941	TENT4A	0.81	-0.30	0.03
ENSG00000166548	TK2	0.74	-0.43	0.03
ENSG00000167461	RAB8A	0.83	-0.27	0.03
ENSG00000179715	PCED1B	0.69	-0.54	0.03
ENSG00000130023	ERMARD	0.72	-0.48	0.03
ENSG00000165309	ARMC3	0.46	-1.13	0.03
ENSG00000150893	FREM2	0.33	-1.62	0.03
ENSG00000278189	RNA5-8SN1	0.07	-3.82	0.03
ENSG00000107669	ATE1	0.79	-0.34	0.03
ENSG00000136937	NCBP1	0.85	-0.23	0.03
ENSG00000101346	POFUT1	0.87	-0.20	0.03
ENSG00000274791	F8A2	0.69	-0.54	0.03
ENSG00000133265	HSPBP1	0.84	-0.25	0.03
ENSG00000171488	LRRC8C	0.70	-0.51	0.03
ENSG00000156162	DPY19L4	0.80	-0.32	0.03
ENSG00000185619	PCGF3	0.77	-0.38	0.03
ENSG00000168887	C2orf68	0.71	-0.50	0.03
ENSG00000163807	KIAA1143	0.77	-0.37	0.03
ENSG00000134882	UBAC2	0.46	-1.13	0.03

ENSG00000255843	AP000593	0.00	-11.19	0.03
ENSG00000009694	TENM1	0.14	-2.79	0.03
ENSG00000140262	TCF12	0.70	-0.51	0.03
ENSG00000277157	H4C4	0.00	-11.73	0.03
ENSG00000255182	AC084125	0.54	-0.89	0.03
ENSG00000157796	WDR19	0.79	-0.35	0.03
ENSG00000086015	MAST2	0.86	-0.22	0.03
ENSG00000189223	PAX8-AS1	0.81	-0.31	0.03
ENSG00000149231	CCDC82	0.76	-0.39	0.03
ENSG00000138101	DTNB	0.71	-0.50	0.03
ENSG00000227619	AL391056	0.00	-8.21	0.03
ENSG00000276150	AL031591	0.02	-5.80	0.03
ENSG00000134184	GSTM1	0.07	-3.86	0.03
ENSG00000150540	HNMT	0.73	-0.45	0.03
ENSG00000102805	CLN5	0.78	-0.35	0.03
ENSG00000187867	PALM3	0.08	-3.61	0.03
ENSG00000038219	BOD1L1	0.83	-0.26	0.03
ENSG00000005893	LAMP2	0.88	-0.19	0.03
ENSG00000170927	PKHD1	0.02	-5.38	0.03
ENSG00000106290	TAF6	0.83	-0.28	0.03
ENSG00000213918	DNASE1	0.75	-0.41	0.03
ENSG00000103550	KNOP1	0.85	-0.24	0.03
ENSG00000101004	NINL	0.70	-0.51	0.03
ENSG00000196943	NOP9	0.80	-0.32	0.03
ENSG00000124406	ATP8A1	0.36	-1.46	0.03
ENSG00000124134	KCNS1	0.57	-0.82	0.03
ENSG00000113319	RASGRF2	0.28	-1.85	0.03
ENSG00000163374	YY1AP1	0.86	-0.22	0.03
ENSG00000164841	TMEM74	0.40	-1.32	0.03
ENSG00000248008	NRAV	0.83	-0.27	0.03
ENSG00000176472	ZNF575	0.40	-1.32	0.03
ENSG00000115365	LANCL1	0.85	-0.24	0.03
ENSG00000100852	ARHGAP5	0.83	-0.27	0.03
ENSG00000134313	KIDINS220	0.80	-0.32	0.03
ENSG00000214110	LDHAP4	0.75	-0.41	0.03
ENSG00000137821	LRRC49	0.65	-0.62	0.03
ENSG00000187243	MAGED4B	0.75	-0.42	0.03
ENSG00000254477	AP000640	0.33	-1.60	0.03
ENSG00000085644	ZNF213	0.63	-0.66	0.03
ENSG00000287733	AC083862	0.53	-0.90	0.03
ENSG00000171792	RHNO1	0.73	-0.45	0.03
ENSG00000136247	ZDHHC4	0.79	-0.34	0.03
ENSG00000159110	IFNAR2	0.63	-0.66	0.03
ENSG00000143486	EIF2D	0.83	-0.26	0.03
ENSG00000160796	NBEAL2	0.79	-0.33	0.03
ENSG00000171988	JMJD1C	0.76	-0.40	0.03
ENSG00000157765	SLC34A2	0.13	-2.98	0.03
ENSG00000108424	KPNB1	0.83	-0.26	0.03
ENSG00000185485	SDHAP1	0.78	-0.37	0.03
ENSG00000112305	SMAP1	0.80	-0.33	0.03
ENSG00000235314	LINC00957	0.43	-1.20	0.03
ENSG00000004399	PLXND1	0.82	-0.29	0.03
ENSG00000182013	PNMA8A	0.80	-0.33	0.03
ENSG00000180233	ZNRF2	0.76	-0.40	0.03
ENSG00000164743	C8orf48	0.58	-0.78	0.03
ENSG00000204619	PPP1R11	0.86	-0.21	0.03
ENSG00000260244	AC104083	0.10	-3.34	0.03
ENSG00000102878	HSF4	0.67	-0.59	0.03
ENSG00000163714	U2SURP	0.84	-0.24	0.03
ENSG00000132024	CC2D1A	0.84	-0.24	0.03
ENSG00000170542	SERPINB9	0.55	-0.87	0.03

ENSG00000260597	AC012531	0.52	-0.95	0.03
ENSG00000179387	ELMOD2	0.76	-0.40	0.03
ENSG00000184226	PCDH9	0.35	-1.51	0.03
ENSG00000081019	RSBN1	0.77	-0.38	0.03
ENSG00000249773	AC092647	0.14	-2.84	0.03
ENSG00000110237	ARHGEF17	0.83	-0.26	0.03
ENSG00000158747	NBL1	0.86	-0.21	0.03
ENSG00000146197	SCUBE3	0.13	-2.99	0.03
ENSG00000099282	TSPAN15	0.77	-0.38	0.03
ENSG00000079150	FKBP7	0.72	-0.48	0.03
ENSG00000116649	SRM	0.87	-0.21	0.03
ENSG00000131470	PSMC3IP	0.75	-0.41	0.03
ENSG00000278921	EPB41L4A-DT	0.11	-3.21	0.03
ENSG00000182253	SYNM	0.83	-0.27	0.03
ENSG00000117600	PLPPR4	0.11	-3.24	0.03
ENSG00000121775	TMEM39B	0.78	-0.35	0.03
ENSG00000159069	FBXW5	0.84	-0.25	0.03
ENSG00000165124	SVEP1	0.34	-1.57	0.03
ENSG00000165714	BORCS5	0.43	-1.22	0.03
ENSG00000158528	PPP1R9A	0.54	-0.88	0.03
ENSG00000086232	EIF2AK1	0.85	-0.23	0.03
ENSG00000137642	SORL1	0.66	-0.59	0.03
ENSG00000197965	MPZL1	0.27	-1.86	0.03
ENSG00000226549	SCDP1	0.06	-4.12	0.03
ENSG00000047230	CTPS2	0.80	-0.33	0.03
ENSG00000136280	CCM2	0.78	-0.37	0.03
ENSG00000133243	BTBD2	0.85	-0.23	0.03
ENSG00000144791	LIMD1	0.82	-0.28	0.03
ENSG00000138741	TRPC3	0.08	-3.64	0.03
ENSG00000202252	SNORD14C	0.00	-8.68	0.03
ENSG00000155755	TMEM237	0.81	-0.30	0.03
ENSG00000229809	ZNF688	0.70	-0.52	0.03
ENSG00000143036	SLC44A3	0.43	-1.20	0.03
ENSG00000163545	NUAK2	0.79	-0.35	0.03
ENSG00000185522	LMNTD2	0.51	-0.97	0.03
ENSG00000140057	AK7	0.44	-1.17	0.03
ENSG00000198740	ZNF652	0.80	-0.32	0.03
ENSG00000151458	ANKRD50	0.84	-0.25	0.03
ENSG00000236698	EIF1AXP1	0.74	-0.44	0.03
ENSG00000178585	CTNNBIP1	0.71	-0.49	0.03
ENSG00000283795	MIR4426	0.05	-4.26	0.03
ENSG00000240032	LNCsRLR	0.24	-2.06	0.03
ENSG00000108349	CASC3	0.87	-0.20	0.03
ENSG00000170962	PDGED	0.60	-0.73	0.03
ENSG00000165030	NFIL3	0.83	-0.27	0.03
ENSG00000186063	AIDA	0.80	-0.33	0.03
ENSG00000171928	TVP23B	0.80	-0.33	0.03
ENSG00000226200	SGMS1-AS1	0.59	-0.75	0.03
ENSG00000135480	KRT7	0.62	-0.69	0.03
ENSG00000205220	PSMB10	0.82	-0.29	0.03
ENSG00000227598	Z94721	0.00	-11.53	0.03
ENSG00000269425	AC104521	0.00	-12.02	0.03
ENSG00000167393	PPP2R3B	0.66	-0.59	0.03
ENSG00000077279	DCX	0.01	-6.82	0.03
ENSG00000163273	NPPC	0.00	-10.06	0.03
ENSG00000133985	TTC9	0.00	-7.82	0.03
ENSG00000230409	TCEA1P2	0.51	-0.97	0.03
ENSG00000105792	CFAP69	0.40	-1.32	0.03
ENSG00000100888	CHD8	0.81	-0.31	0.03
ENSG00000265413	AP001094	0.37	-1.45	0.03
ENSG00000119402	FBXW2	0.86	-0.22	0.03

ENSG00000162430	SELENON	0.86	-0.22	0.03
ENSG00000134258	VTCN1	0.00	-8.57	0.03
ENSG00000243135	UGT1A3	0.00	-8.91	0.03
ENSG00000224083	MTCO1P11	0.00	-9.54	0.03
ENSG00000141542	RAB40B	0.72	-0.47	0.03
ENSG00000115884	SDC1	0.85	-0.24	0.03
ENSG00000173599	PC	0.84	-0.26	0.03
ENSG00000117616	RSRP1	0.63	-0.67	0.03
ENSG00000130382	MLLT1	0.88	-0.18	0.03
ENSG00000269534	AC011466	0.00	-10.22	0.03
ENSG00000082641	NFE2L1	0.78	-0.35	0.03
ENSG00000196504	PRPF40A	0.85	-0.24	0.03
ENSG00000100564	PIGH	0.60	-0.73	0.03
ENSG00000196436	NPIP15	0.54	-0.90	0.03
ENSG00000234602	MCIDAS	0.34	-1.54	0.03
ENSG00000138036	DYNC2LI1	0.70	-0.52	0.03
ENSG00000262160	AC020978	0.00	-9.47	0.03
ENSG00000204131	NHSL2	0.11	-3.21	0.03
ENSG00000103723	AP3B2	0.01	-6.71	0.03
ENSG00000118017	A4GNT	0.20	-2.36	0.03
ENSG00000263961	RHEX	0.84	-0.26	0.03
ENSG00000100889	PCK2	0.80	-0.33	0.03
ENSG00000134548	SPX	0.43	-1.22	0.03
ENSG00000237973	MTCO1P12	0.87	-0.20	0.03
ENSG00000071073	MGAT4A	0.72	-0.47	0.03
ENSG00000147421	HMBOX1	0.61	-0.71	0.03
ENSG00000263513	FAM72C	0.80	-0.33	0.03
ENSG00000163378	EOGT	0.69	-0.53	0.03
ENSG00000166900	STX3	0.83	-0.26	0.03
ENSG00000179627	ZBTB42	0.60	-0.74	0.03
ENSG00000167861	HID1	0.28	-1.83	0.03
ENSG00000117984	CTSD	0.85	-0.23	0.03
ENSG00000180902	D2HGDH	0.71	-0.50	0.03
ENSG00000205084	TMEM231	0.81	-0.31	0.03
ENSG00000255856	AC069503	0.00	-9.93	0.03
ENSG00000088256	GNA11	0.84	-0.26	0.03
ENSG00000151502	VPS26B	0.86	-0.22	0.03
ENSG00000156650	KAT6B	0.76	-0.40	0.03
ENSG00000163931	TKT	0.89	-0.17	0.03
ENSG00000140983	RHOT2	0.84	-0.25	0.03
ENSG00000090924	PLEKHG2	0.84	-0.25	0.04
ENSG00000168806	LCMT2	0.75	-0.41	0.04
ENSG00000070814	TCOF1	0.88	-0.18	0.04
ENSG00000129810	SGO1	0.72	-0.48	0.04
ENSG00000272990	AC084036	0.21	-2.23	0.04
ENSG00000168517	HEXIM2	0.70	-0.51	0.04
ENSG00000178149	DALRD3	0.78	-0.36	0.04
ENSG00000135976	ANKRD36	0.63	-0.68	0.04
ENSG00000138801	PAPSS1	0.84	-0.24	0.04
ENSG00000070047	PHRF1	0.86	-0.21	0.04
ENSG00000091986	CCDC80	0.53	-0.91	0.04
ENSG00000137814	HAUS2	0.71	-0.48	0.04
ENSG00000149182	ARFGAP2	0.87	-0.20	0.04
ENSG00000146416	AIG1	0.79	-0.33	0.04
ENSG00000169946	ZFPM2	0.64	-0.65	0.04
ENSG00000259577	CERNA1	0.00	-8.56	0.04
ENSG00000261141	AC092718	0.00	-11.05	0.04
ENSG00000144134	RABL2A	0.68	-0.55	0.04
ENSG00000166130	IKBIP	0.86	-0.22	0.04
ENSG00000285437	POLR2J3	0.54	-0.90	0.04
ENSG00000166845	C18orf54	0.58	-0.79	0.04

ENSG00000188312	CENPP	0.76	-0.40	0.04
ENSG00000272150	NBPF25P	0.65	-0.61	0.04
ENSG00000196810	CTBP1-DT	0.72	-0.48	0.04
ENSG00000010361	FUZ	0.65	-0.63	0.04
ENSG00000288637	AC013477	0.26	-1.94	0.04
ENSG00000115808	STRN	0.79	-0.33	0.04
ENSG00000162929	KIAA1841	0.66	-0.59	0.04
ENSG00000244474	UGT1A4	0.04	-4.76	0.04
ENSG00000019144	PHLDB1	0.83	-0.27	0.04
ENSG00000069849	ATP1B3	0.75	-0.42	0.04
ENSG00000165512	ZNF22	0.79	-0.34	0.04
ENSG00000135999	EPC2	0.80	-0.31	0.04
ENSG00000135164	DMTF1	0.80	-0.33	0.04
ENSG00000172244	C5orf34	0.71	-0.49	0.04
ENSG00000160209	PDXK	0.87	-0.20	0.04
ENSG00000184678	H2BC21	0.68	-0.57	0.04
ENSG00000115355	CCDC88A	0.81	-0.30	0.04
ENSG00000274600	RIMBP3B	0.00	-8.49	0.04
ENSG00000120256	LRP11	0.78	-0.36	0.04
ENSG00000006747	SCIN	0.80	-0.33	0.04
ENSG00000082458	DLG3	0.66	-0.60	0.04
ENSG00000166037	CEP57	0.76	-0.40	0.04
ENSG00000162437	RAVER2	0.78	-0.37	0.04
ENSG00000281383	FP671120	0.23	-2.15	0.04
ENSG00000226193	AL049548	0.00	-11.61	0.04
ENSG00000163029	SMC6	0.79	-0.33	0.04
ENSG00000172493	AFF1	0.54	-0.88	0.04
ENSG00000112319	EYA4	0.74	-0.44	0.04
ENSG00000233006	MIR3936HG	0.53	-0.92	0.04
ENSG00000174720	LARP7	0.78	-0.36	0.04
ENSG00000253366	GUSBP16	0.40	-1.33	0.04
ENSG00000185127	C6orf120	0.80	-0.32	0.04
ENSG00000099904	ZDHC8	0.81	-0.30	0.04
ENSG00000006282	SPATA20	0.86	-0.22	0.04
ENSG00000130227	XPO7	0.88	-0.18	0.04
ENSG00000153250	RBMS1	0.86	-0.23	0.04
ENSG00000122644	ARL4A	0.64	-0.63	0.04
ENSG00000171119	NRTN	0.18	-2.48	0.04
ENSG00000176209	SMIM19	0.66	-0.61	0.04
ENSG00000144645	OSBPL10	0.78	-0.36	0.04
ENSG00000119685	TTLL5	0.72	-0.48	0.04
ENSG00000259498	TPM1-AS	0.49	-1.02	0.04
ENSG00000198106	AC025279	0.00	-7.91	0.04
ENSG00000166348	USP54	0.81	-0.30	0.04
ENSG00000185829	ARL17A	0.78	-0.35	0.04
ENSG00000123200	ZC3H13	0.86	-0.21	0.04
ENSG00000146085	MMUT	0.82	-0.29	0.04
ENSG00000108055	SMC3	0.82	-0.29	0.04
ENSG00000198952	SMG5	0.89	-0.17	0.04
ENSG00000279789	AC120114	0.65	-0.63	0.04
ENSG00000227684	CROCCP4	0.00	-10.43	0.04
ENSG00000270977	AC015849	0.24	-2.05	0.04
ENSG00000100485	SOS2	0.71	-0.49	0.04
ENSG00000229117	RPL41	0.89	-0.16	0.04
ENSG00000198931	APRT	0.84	-0.26	0.04
ENSG00000102699	PARP4	0.87	-0.19	0.04
ENSG00000279044	AC007787	0.09	-3.51	0.04
ENSG00000275016	AC015574	0.01	-7.14	0.04
ENSG00000039600	SOX30	0.00	-8.38	0.04
ENSG00000134698	AGO4	0.78	-0.36	0.04
ENSG00000283549	AC007161	0.07	-3.86	0.04

ENSG00000147654	EBAG9	0.73	-0.46	0.04
ENSG00000151176	PLBD2	0.87	-0.20	0.04
ENSG00000185942	NKAIN3	0.03	-5.23	0.04
ENSG00000116544	DLGAP3	0.00	-8.10	0.04
ENSG00000246596	AC139795	0.50	-1.00	0.04
ENSG00000142784	WDTC1	0.86	-0.22	0.04
ENSG00000179051	RCC2	0.87	-0.20	0.04
ENSG00000163964	PIGX	0.81	-0.30	0.04
ENSG00000173207	CKS1B	0.87	-0.20	0.04
ENSG00000245248	USP2-AS1	0.40	-1.33	0.04
ENSG00000187398	LUZP2	0.01	-7.12	0.04
ENSG00000179262	RAD23A	0.83	-0.26	0.04
ENSG00000064666	CNN2	0.86	-0.21	0.04
ENSG00000116641	DOCK7	0.85	-0.24	0.04
ENSG00000143324	XPR1	0.87	-0.21	0.04
ENSG00000101306	MYLK2	0.11	-3.15	0.04
ENSG00000163935	SFMBT1	0.67	-0.57	0.04
ENSG00000010244	ZNF207	0.88	-0.18	0.04
ENSG00000168061	SAC3D1	0.79	-0.35	0.04
ENSG00000198964	SGMS1	0.79	-0.34	0.04
ENSG00000246523	FZD4-DT	0.09	-3.50	0.04
ENSG00000163607	GTPBP8	0.73	-0.46	0.04
ENSG00000204174	NPY4R	0.00	-9.09	0.04
ENSG00000165494	PCF11	0.85	-0.24	0.04
ENSG00000106392	C1GALT1	0.80	-0.33	0.04
ENSG00000196482	ESRRG	0.48	-1.06	0.04
ENSG00000267892	AC022144	0.14	-2.81	0.04
ENSG00000276550	HERC2P2	0.84	-0.25	0.04
ENSG00000155111	CDK19	0.80	-0.33	0.04
ENSG00000078177	N4BP2	0.72	-0.48	0.04
ENSG00000281181	FP236383	0.24	-2.09	0.04
ENSG00000159714	ZDHHC1	0.76	-0.39	0.04
ENSG00000230432	AC114803	0.00	-11.83	0.04
ENSG00000129195	PIMREG	0.82	-0.29	0.04
ENSG00000101040	ZMYND8	0.87	-0.20	0.04
ENSG00000272221	AL645933	0.23	-2.11	0.04
ENSG00000165121	AL353743	0.42	-1.27	0.04
ENSG00000160392	C19orf47	0.64	-0.65	0.04
ENSG00000143499	SMYD2	0.87	-0.20	0.04
ENSG00000189423	USP32P3	0.58	-0.79	0.04
ENSG00000196782	MAML3	0.60	-0.73	0.04
ENSG00000136811	ODF2	0.84	-0.25	0.04
ENSG00000014164	ZC3H3	0.85	-0.24	0.04
ENSG00000119782	FKBP1B	0.51	-0.98	0.04
ENSG00000182208	MOB2	0.83	-0.27	0.04
ENSG00000241769	LINC00893	0.40	-1.32	0.04
ENSG00000236890	AC016027	0.00	-12.31	0.04
ENSG00000221890	NPTXR	0.87	-0.20	0.04
ENSG00000134115	CNTN6	0.33	-1.62	0.04
ENSG00000115524	SF3B1	0.87	-0.21	0.04
ENSG00000163344	PMVK	0.84	-0.25	0.04
ENSG00000106526	ACTR3C	0.54	-0.90	0.04
ENSG00000143801	PSEN2	0.83	-0.27	0.04
ENSG00000074276	CDHR2	0.33	-1.61	0.04
ENSG00000198924	DCLRE1A	0.78	-0.36	0.04
ENSG00000272374	Z97832	0.47	-1.07	0.04
ENSG00000254479	SLC25A1P1	0.00	-10.17	0.04
ENSG00000132475	H3-3B	0.86	-0.21	0.04
ENSG00000117862	TXNDC12	0.86	-0.22	0.04
ENSG00000137193	PIM1	0.82	-0.28	0.04
ENSG00000213096	ZNF254	0.49	-1.04	0.04

ENSG00000278730	AC005332	0.83	-0.26	0.04
ENSG00000242348	RN7SL561P	0.00	-11.97	0.04
ENSG00000135387	CAPRIN1	0.88	-0.19	0.04
ENSG00000176749	CDK5R1	0.62	-0.70	0.04
ENSG00000198860	TSEN15	0.80	-0.32	0.04
ENSG00000152422	XRCC4	0.75	-0.42	0.04
ENSG00000096717	SIRT1	0.80	-0.33	0.04
ENSG00000167528	ZNF641	0.75	-0.42	0.04
ENSG00000204843	DCTN1	0.88	-0.18	0.04
ENSG00000177663	IL17RA	0.81	-0.30	0.04
ENSG00000238258	AL121748	0.13	-3.00	0.04
ENSG00000266934	AC005746	0.06	-3.97	0.04
ENSG00000104915	STX10	0.80	-0.31	0.04
ENSG00000177239	MAN1B1	0.87	-0.21	0.04
ENSG00000175581	MRPL48	0.80	-0.32	0.04
ENSG00000182551	ADI1	0.83	-0.27	0.04
ENSG00000140564	FURIN	0.88	-0.19	0.04
ENSG00000267104	TBC1D3P1-DHX40P	0.08	-3.71	0.04
ENSG00000229334	AC046143	0.53	-0.91	0.04
ENSG00000280800	FP671120	0.23	-2.10	0.04
ENSG00000136238	RAC1	0.89	-0.16	0.04
ENSG00000163950	SLBP	0.87	-0.20	0.04
ENSG00000287560	AL731533	0.46	-1.11	0.04
ENSG00000126464	PRR12	0.87	-0.20	0.04
ENSG00000100162	CENPM	0.77	-0.38	0.04
ENSG00000146776	ATXN7L1	0.70	-0.51	0.04
ENSG00000185787	MORF4L1	0.83	-0.27	0.04
ENSG00000113558	SKP1	0.88	-0.18	0.04
ENSG00000228253	MT-ATP8	0.88	-0.18	0.04
ENSG00000100941	PNN	0.83	-0.27	0.04
ENSG00000089597	GANAB	0.88	-0.19	0.04
ENSG00000099250	NRP1	0.77	-0.37	0.04
ENSG00000140104	CLBA1	0.68	-0.55	0.04
ENSG00000070018	LRP6	0.82	-0.29	0.04
ENSG00000160703	NLRX1	0.82	-0.28	0.04
ENSG00000279289	AL136164	0.48	-1.06	0.04
ENSG00000166479	TMX3	0.82	-0.28	0.04
ENSG00000174125	TLR1	0.67	-0.58	0.04
ENSG00000272391	POM121C	0.88	-0.18	0.04
ENSG00000156508	EEF1A1	0.90	-0.15	0.04
ENSG00000184986	TMEM121	0.43	-1.21	0.04
ENSG00000143315	PIGM	0.83	-0.27	0.04
ENSG00000110455	ACCS	0.74	-0.44	0.04
ENSG00000228559	AL033519	0.00	-9.34	0.04
ENSG00000279329	AC020910	0.36	-1.46	0.04
ENSG00000120690	ELF1	0.78	-0.36	0.04
ENSG00000115998	C2orf42	0.73	-0.46	0.04
ENSG00000185946	RNPC3	0.79	-0.34	0.04
ENSG00000216775	AL109918	0.62	-0.69	0.04
ENSG00000090971	NAT14	0.81	-0.30	0.04
ENSG00000279833	AL031846	0.35	-1.53	0.04
ENSG00000133226	SRRM1	0.88	-0.19	0.04
ENSG00000273259	AL049839	0.00	-9.36	0.04
ENSG00000101773	RBBP8	0.83	-0.26	0.04
ENSG00000124702	KLHDC3	0.88	-0.19	0.04
ENSG00000154529	CNTNAP3B	0.40	-1.32	0.04
ENSG00000107249	GLIS3	0.82	-0.29	0.04
ENSG00000267436	AC005786	0.68	-0.56	0.04
ENSG00000006062	MAP3K14	0.84	-0.25	0.04
ENSG00000203952	CCDC160	0.38	-1.38	0.04
ENSG00000238755	LINC02006	0.00	-8.53	0.05

ENSG00000288061	AP000926	0.00	-10.51	0.05
ENSG00000249532	MIR302CHG	0.00	-10.46	0.05
ENSG00000121879	PIK3CA	0.80	-0.33	0.05
ENSG00000287762	AC108050	0.26	-1.92	0.05
ENSG00000182712	CMC4	0.71	-0.49	0.05
ENSG00000173821	RNF213	0.89	-0.16	0.05
ENSG00000196405	EVL	0.73	-0.45	0.05
ENSG00000157368	IL34	0.13	-2.95	0.05
ENSG00000089199	CHGB	0.14	-2.86	0.05
ENSG00000140044	JDP2	0.72	-0.47	0.05
ENSG00000288258	BX470111	0.00	-11.08	0.05
ENSG00000275191	AC007497	0.00	-10.88	0.05
ENSG00000135409	AMHR2	0.00	-8.09	0.05
ENSG00000199293	SNORA21	0.04	-4.51	0.05
ENSG00000109339	MAPK10	0.55	-0.86	0.05
ENSG00000238109	RNF14P3	0.00	-9.53	0.05
ENSG00000157021	CIBAR1P1	0.62	-0.68	0.05
ENSG00000111602	TIMELESS	0.87	-0.20	0.05
ENSG00000149506	ZP1	0.45	-1.14	0.05
ENSG00000163162	RNF149	0.87	-0.20	0.05
ENSG00000107560	RAB11FIP2	0.77	-0.38	0.05
ENSG00000177646	ACAD9	0.86	-0.21	0.05
ENSG00000271474	AC106881	0.15	-2.75	0.05
ENSG00000114026	OGG1	0.77	-0.37	0.05
ENSG00000244754	N4BP2L2	0.81	-0.30	0.05
ENSG00000173535	TNERSF10C	0.20	-2.34	0.05
ENSG00000166321	NUDT13	0.66	-0.61	0.05
ENSG00000198744	MTCO3P12	0.63	-0.66	0.05
ENSG00000170667	RASA4B	0.63	-0.68	0.05
ENSG00000161265	U2AF1L4	0.63	-0.68	0.05
ENSG00000241852	C8orf58	0.79	-0.33	0.05
ENSG00000196312	MFSD14C	0.83	-0.26	0.05
ENSG00000234857	HNRNPUL2-BSCL2	0.20	-2.31	0.05
ENSG00000189184	PCDH18	0.58	-0.78	0.05
ENSG00000088881	EBF4	0.09	-3.41	0.05
ENSG00000140830	TXNL4B	0.79	-0.34	0.05
ENSG00000112701	SENP6	0.81	-0.30	0.05
ENSG00000259426	AC027237	0.38	-1.39	0.05
ENSG00000157423	HYDIN	0.33	-1.61	0.05
ENSG00000280614	FP236383	0.24	-2.05	0.05
ENSG00000152193	OBI1	0.80	-0.32	0.05
ENSG00000149212	SESN3	0.61	-0.72	0.05
ENSG00000131797	CLUHP3	0.50	-1.00	0.05
ENSG00000068784	SRBD1	0.73	-0.46	0.05
ENSG00000146410	MIFR2	0.69	-0.54	0.05
ENSG00000142856	ITGB3BP	0.80	-0.32	0.05
ENSG00000185418	TARS3	0.79	-0.35	0.05
ENSG00000239474	KLHL41	0.00	-8.62	0.05
ENSG00000138944	SHISAL1	0.81	-0.31	0.05
ENSG00000118961	LDAH	0.75	-0.42	0.05
ENSG00000147364	FBXO25	0.82	-0.29	0.05
ENSG00000125945	ZNF436	0.80	-0.32	0.05
ENSG00000132773	TOE1	0.82	-0.28	0.05
ENSG00000107159	CA9	0.12	-3.12	0.05
ENSG00000071794	HLTF	0.77	-0.38	0.05
ENSG00000164649	CDCA7L	0.80	-0.32	0.05
ENSG00000109736	MFSD10	0.86	-0.22	0.05
ENSG00000188343	CIBAR1	0.77	-0.38	0.05
ENSG00000112081	SRSF3	0.88	-0.18	0.05
ENSG00000178927	CYBC1	0.81	-0.30	0.05
ENSG00000173588	CEP83	0.69	-0.54	0.05

ENSG00000115568	ZNF142	0.81	-0.30	0.05
ENSG00000162896	PIGR	0.40	-1.32	0.05
ENSG00000267303	AC011511	0.00	-13.03	0.05
ENSG00000156026	MCU	0.87	-0.21	0.05
ENSG00000029534	ANK1	0.32	-1.65	0.05
ENSG00000263006	ROCK1P1	0.51	-0.97	0.05
ENSG00000230699	AL645608	0.17	-2.57	0.05
ENSG00000113456	RAD1	0.81	-0.30	0.05
ENSG00000176826	FKBP9P1	0.38	-1.40	0.05
ENSG00000282826	FRG1CP	0.76	-0.40	0.05
ENSG00000136274	NACAD	0.21	-2.26	0.05
ENSG00000185885	IFITM1	0.53	-0.93	0.05
ENSG00000101193	GID8	0.87	-0.21	0.05
ENSG00000275215	RNA5-8SN3	0.12	-3.01	0.05
ENSG00000215063	RPL21P2	0.00	-11.05	0.05
ENSG00000251562	MALAT1	0.49	-1.04	0.05
ENSG00000099800	TIMM13	0.87	-0.20	0.05
ENSG00000152475	ZNF837	0.57	-0.82	0.05
ENSG00000140526	ABHD2	0.87	-0.20	0.05