Table S1 Detailed information for all the analyzed genes, including module assignment and connectivity

datSummar	colorNEW	kTotal	kWithin	kOut	kDiff
TSPAN6	4	9.9	3.6	6.3	-2.7
DPM1	1	76.8	70.3	6.4	63.9
C1orf112	5	9.3	2.0	7.3	-5.3
CFH	0	10.6	4.7	5.9	-1.2
FUCA2	4	11.1	4.2	6.9	-2.7
GCLC	1	21.2	13.8	7.3	6.5
NFYA	0	8.7	3.4	5.3	-2.0
NIPAL3	0	13.3	4.9	8.4	-3.6
LAS1L	0	13.3	6.1	7.2	-1.1
ANKIB1	1	38.8	34.8	4.0	30.8
CYP51A1	0	9.1	2.0	7.1	-5.1
KRIT1	1	37.7	34.3	3.4	31.0
RAD52	1	8.5	5.0	3.4	1.6
BAD	0	18.2	6.4	11.8	-5.3
LAP3	0	6.7	2.1	4.6	-2.5
CD99	0	5.1	2.4	2.8	-0.4
MAD1L1	0	11.9	4.8	7.2	-2.4
LASP1	3	16.1	8.4	7.8	0.6
SNX11	2	21.4	8.6	12.9	-4.3
M6PR	1	29.1	21.6	7.5	14.1
DBNDD1	2	19.0	7.2	11.8	-4.6
ALS2	1	19.4	14.7	4.7	10.0
CFLAR	3	7.3	2.3	5.1	-2.8
TFPI	0	8.0	2.6	5.4	-2.8
NDUFAF7	1	32.4	26.2	6.2	20.0
RBM5	1	22.9	18.5	4.4	14.0
ARF5	2	12.9	4.4	8.6	-4.2
POLDIP2	4	20.2	6.3	13.9	-7.6
PLXND1	0	6.3	2.7	3.6	-0.9
AK2	0	10.0	4.1	5.9	-1.9
FKBP4	0	14.2	5.5	8.7	-3.2
KDM1A	6	11.9	1.5	10.4	-8.8
RBM6	1	17.8	14.6	3.1	11.5
RECQL	1	53.4	49.3	4.1	45.2
VPS50	1	24.0	20.4	3.5	16.9
ARHGAP33	0	6.3	2.8	3.5	-0.7
NDUFAB1	0	12.9	4.2	8.7	-4.5
SLC25A13	0	13.5	4.2	9.2	-5.0
ST7	0	6.0	2.3	3.7	-1.3
CDC27	1	75.7	68.8	6.9	61.9
HCCS	0	7.4	3.3	4.1	-0.8
DVL2	0	9.1	4.4	4.7	-0.3
UPF1	8	17.4	3.7	13.7	-10.0
SKAP2	0	6.9	3.2	3.7	-0.5
SLC25A5	5	11.9	2.9	8.9	-6.0
CCDC109B	2	16.9	5.6	11.4	-5.8
POLR2J	2	27.7	13.0	14.7	-1.6
DHX33	0	17.6	6.4	11.1	-4.7
LIG3	0	7.5	2.6	4.9	-2.3

RPAP3	1	69.5	62.1	7.4	54.7
AC004381.	0	8.1	3.2	4.9	-1.7
CIAPIN1	6	15.3	4.5	10.8	-6.3
SPPL2B	8	17.5	4.7	12.8	-8.2
FAM214B	3	15.1	4.8	10.2	-5.4
MSL3	1	11.0	5.8	5.2	0.6
CREBBP	0	11.2	5.1	6.1	-0.9
GCFC2	1	22.3	14.8	7.6	7.2
WDR54	3	13.3	5.0	8.3	-3.3
CROT	0	7.3	2.0	5.4	-3.4
KMT2E	1	32.3	29.0	3.2	25.8
RHBDD2	0	8.7	4.2	4.5	-0.3
IBTK	1	39.1	35.1	4.0	31.1
ZNF195	1	14.8	11.3	3.5	7.7
MYCBP2	1	18.2	15.6	2.6	13.0
FBXL3	1	13.0	9.8	3.2	6.6
PDK2	0	7.3	3.2	4.2	-1.0
ITGA3	3	33.9	25.7	8.2	17.5
ZFX	1	19.0	15.6	3.4	12.1
LAMP2	3	11.4	3.4	8.0	-4.6
GDE1	0	6.6	1.8	4.8	-2.9
C19orf60	2	23.4	10.9	12.5	-1.7
CRLF1	0	10.6	5.1	5.6	-0.5
TMEM98	0	7.5	3.0	4.4	-1.4
MAP3K14	3	14.9	4.6	10.3	-5.7
TMEM132A	0	8.4	3.3	5.0	-1.7
AP2B1	3	13.5	4.5	9.0	-4.5
ZNF263	12	17.0	2.9	14.2	-11.3
SPATA20	0	11.4	4.7	6.7	-2.0
TNFRSF12A	3	16.2	9.6	6.6	3.1
RALA	1	17.8	13.0	4.8	8.2
BAIAP2L1	4	19.4	7.7	11.7	-4.0
ETV1	0	7.4	3.1	4.3	-1.2
AGK	6	10.9	1.6	9.3	-7.7
ALDH3B1	3	16.0	8.0	8.0	0.0
PHTF2	1	19.6	15.2	4.4	10.8
FARP2	1	13.2	6.2	6.9	-0.7
GGCT	1	25.0	17.0	8.0	9.0
DBF4	7	43.5	7.4	36.1	-28.6
IFRD1	1	25.7	22.3	3.4	18.9
COX10	2	15.3	5.7	9.6	-3.8
GTF2IRD1	0	6.8	3.0	3.8	-0.8
PAF1	0	8.0	3.8	4.2	-0.4
VPS41	1	25.0	21.0	4.0	17.0
ELAC2	0	11.2	4.2	6.9	-2.7
ARSD	0	12.7	5.0	7.7	-2.7
PNPLA4	0	4.7	2.0	2.7	-0.7
ADIPOR2	0	9.5	3.8	5.7	-1.9
MARK4	0	7.4	4.3	3.1	1.2
CCDC124	8	24.1	6.6	17.5	-10.8
PAFAH1B1	1	32.4	26.7	5.6	21.1
KIAA0100	0	6.9	2.5	4.4	-1.9
TRAPPC6A	0	9.4	3.8	5.6	-1.8
ST7L	0	9.2	2.8	6.3	-3.5

RPUSD1	12	26.1	4.7	21.5	-16.8
RHBDF1	0	9.9	5.1	4.8	0.3
LUC7L	0	7.8	2.9	4.9	-2.1
TSR3	12	19.5	3.5	16.0	-12.5
PIGQ	0	11.8	4.6	7.2	-2.6
CRAMP1	0	9.1	4.3	4.9	-0.6
TEAD3	11	18.9	1.4	17.5	-16.1
DNAJC11	0	11.4	4.6	6.8	-2.2
MYLIP	0	6.0	2.9	3.1	-0.2
PSMB1	0	7.1	2.7	4.4	-1.7
JARID2	0	11.2	5.7	5.6	0.1
CDK11A	0	6.1	2.0	4.1	-2.1
NADK	0	9.3	3.6	5.7	-2.1
CYTH3	3	12.2	5.0	7.2	-2.2
SYPL1	1	26.4	22.4	4.1	18.3
CYB561	0	14.9	5.5	9.3	-3.8
SPAG9	1	85.3	77.6	7.7	69.9
SS18L2	0	11.5	4.1	7.4	-3.3
MPND	8	16.0	2.6	13.4	-10.8
MGST1	0	8.6	4.2	4.3	-0.1
CRY1	7	14.1	2.2	11.8	-9.6
NFIX	3	14.0	5.7	8.3	-2.6
ST3GAL1	3	16.4	4.3	12.1	-7.9
IL32	0	9.3	3.7	5.6	-1.9
PKD1	0	8.5	3.7	4.7	-1.0
MED24	0	9.8	3.9	5.9	-2.0
RHOBTB2	0	10.9	5.1	5.8	-0.7
HEATR5B	1	13.0	9.9	3.2	6.7
SEC62	1	83.5	80.0	3.5	76.4
RPS20	0	7.3	2.3	5.0	-2.8
CSDE1	1	88.6	84.1	4.5	79.7
UBE3C	1	7.0	3.5	3.5	0.1
REV3L	1	49.5	38.9	10.5	28.4
POMT2	6	16.7	5.8	10.9	-5.1
VTA1	1	36.7	31.3	5.3	26.0
BAZ1B	1	22.2	17.6	4.6	13.0
RANBP9	1	16.2	11.3	4.9	6.4
SPRTN	1	8.1	5.3	2.9	2.4
METTL13	9	10.7	1.9	8.9	-7.0
DYRK4	0	7.0	2.8	4.2	-1.4
ZNF207	1	33.2	28.8	4.4	24.4
UQCRC1	0	9.4	5.0	4.4	0.6
STARD3NL	0	5.0	2.4	2.7	-0.3
CD9	3	8.6	2.9	5.7	-2.8
NCAPD2	5	15.9	5.8	10.2	-4.4
IFFO1	0	10.3	4.5	5.8	-1.3
PHF7	0	7.0	3.6	3.4	0.2
NISCH	0	12.2	6.3	6.0	0.3
FUZ	0	6.2	3.2	3.0	0.3
IDS	3	14.7	7.7	7.1	0.6
ZNF200	0	8.0	2.8	5.2	-2.4
LRRC23	0	8.8	4.7	4.2	0.5
HFE	0	11.3	5.2	6.2	-1.0
SCMH1	0	6.0	2.8	3.2	-0.4

FYN	0	7.7	2.4	5.3	-2.9
TCEB3	0	9.8	4.5	5.3	-0.8
LYPLA2	2	16.4	5.1	11.3	-6.2
CLCN6	0	9.2	4.7	4.5	0.2
MRC2	3	14.9	5.9	8.9	-3.0
NME1-NME2	6	41.2	19.1	22.1	-3.0
TSPAN9	0	11.5	5.4	6.1	-0.8
BTBD7	1	17.3	12.5	4.9	7.6
APBA3	8	23.8	8.5	15.3	-6.9
MKS1	2	13.1	4.3	8.8	-4.5
ABHD5	0	7.5	2.9	4.6	-1.8
AKAP8L	8	9.2	1.7	7.5	-5.9
UTP18	5	18.7	3.2	15.5	-12.3
RNF216	0	9.2	4.3	4.9	-0.6
TTC19	0	8.0	3.4	4.6	-1.2
PTBP1	0	15.0	6.0	9.1	-3.1
LARS2	0	16.2	6.5	9.7	-3.2
PIK3C2A	1	38.2	34.2	4.0	30.2
PLAUR	3	20.6	12.7	7.9	4.8
ANLN	5	56.2	6.0	50.2	-44.2
WIZ	8	28.3	6.5	21.7	-15.2
RABGAP1	1	20.7	16.3	4.3	12.0
QPCTL	0	11.3	4.9	6.4	-1.4
PPP5C	0	8.9	4.5	4.4	0.0
MAP4K3	1	32.1	28.7	3.4	25.3
TMEM159	3	13.4	5.4	8.0	-2.7
BRCA1	7	34.9	5.9	29.0	-23.2
ERCC1	0	9.0	4.2	4.7	-0.5
SEMA3B	4	8.5	2.6	6.0	-3.4
MBTPS2	1	12.8	9.4	3.4	6.0
PRICKLE3	2	14.4	4.3	10.1	-5.8
EXTL3	0	10.2	5.6	4.6	0.9
ELOVL5	1	16.8	13.5	3.2	10.3
CALCOCO1	0	12.5	6.6	5.9	0.6
UBR7	7	10.7	1.2	9.5	-8.3
MAP4K5	1	33.6	30.1	3.5	26.5
PSMC4	0	8.3	3.8	4.5	-0.7
MAN2B2	0	10.2	4.8	5.3	-0.5
SLC25A39	2	19.7	5.0	14.8	-9.8
MVP	3	21.7	12.6	9.1	3.6
NUB1	1	14.4	11.1	3.3	7.8
PGM3	1	46.0	40.3	5.7	34.7
CLK1	1	47.7	43.2	4.6	38.6
POLR3B	0	14.9	5.1	9.9	-4.8
ANGEL1	2	25.4	10.7	14.7	-4.0
RNF14	0	8.6	2.2	6.4	-4.2
DNASE1L1	0	7.7	4.0	3.7	0.3
DDX11	5	13.1	5.0	8.2	-3.2
HEBP1	0	7.4	2.9	4.5	-1.6
GPRC5A	3	10.3	4.2	6.1	-1.8
TACC3	5	25.0	15.2	9.8	5.4
UFL1	1	26.6	23.6	3.0	20.6
POLA2	5	20.1	9.2	10.9	-1.7
ZC3H3	13	32.5	4.1	28.4	-24.3

CAPN1	0	12.8	4.6	8.2	-3.6
MDH1	1	49.7	41.8	7.9	34.0
SLC30A9	1	36.2	32.1	4.1	28.0
MTMR11	9	7.9	1.3	6.6	-5.3
COX15	0	8.2	3.7	4.6	-0.9
YAF2	1	11.1	7.7	3.4	4.3
ZMYND11	1	27.2	23.9	3.4	20.5
BID	0	7.3	2.8	4.5	-1.7
XYLT2	0	5.7	2.9	2.8	0.1
NUDCD3	3	14.3	4.3	10.0	-5.7
GLT8D1	1	13.7	10.4	3.2	7.2
ATP2C1	1	43.7	38.3	5.4	32.9
RALBP1	0	6.4	2.4	4.0	-1.6
RUFY3	1	14.6	10.3	4.3	6.0
WWTR1	3	14.7	7.9	6.8	1.1
AGPS	1	27.6	24.0	3.6	20.4
CXorf56	0	10.1	5.0	5.1	-0.1
TTC27	0	12.9	3.7	9.2	-5.6
PHLDB1	3	14.8	7.3	7.5	-0.2
CD74	0	6.1	2.9	3.2	-0.3
ZRANB1	1	15.2	9.3	5.8	3.5
NCDN	2	21.3	7.5	13.8	-6.4
ZFP64	0	10.3	4.7	5.6	-0.9
MNAT1	1	22.6	18.9	3.7	15.2
SAMD4A	0	8.2	2.2	6.0	-3.7
MRE11A	1	26.9	20.4	6.5	13.8
SERPINB1	4	12.4	4.1	8.4	-4.3
SPAST	1	25.7	21.8	3.9	17.9
AQR	1	35.9	29.2	6.7	22.4
FHL1	3	8.5	2.4	6.1	-3.7
RTFDC1	6	10.1	1.6	8.5	-6.9
RNF10	6	23.5	9.5	14.0	-4.5
ZDHHC6	1	15.9	11.1	4.9	6.2
RNH1	0	14.1	4.8	9.3	-4.5
NDUFS1	1	17.7	13.8	3.9	9.9
RB1CC1	1	31.6	27.9	3.7	24.2
ERP44	0	10.5	4.5	5.9	-1.4
ALAS1	4	17.9	4.1	13.7	-9.6
BIRC3	0	7.7	2.1	5.7	-3.6
GLRX2	0	8.6	3.3	5.2	-1.9
SNAPC1	0	11.6	2.1	9.5	-7.4
DERA	7	8.5	0.7	7.7	-7.0
STRAP	1	47.6	43.0	4.6	38.3
ABCC2	4	17.4	9.0	8.4	0.6
PLEKHO1	3	8.0	2.7	5.3	-2.6
GCLM	1	13.7	7.2	6.4	0.8
UBR2	1	14.4	11.7	2.7	9.0
EHD2	3	18.3	12.0	6.4	5.6
DEPDC1	7	47.9	9.8	38.1	-28.4
CCDC28A	0	7.5	3.0	4.5	-1.5
RRAGD	0	8.2	3.9	4.4	-0.5
HSF2	6	23.9	3.3	20.6	-17.3
PHF20	1	16.0	8.5	7.4	1.1
NR1H3	4	22.7	10.8	11.9	-1.1

TYMP	0	15.6	6.4	9.2	-2.9
NCAPH2	5	17.3	5.0	12.3	-7.2
TOMM34	10	15.8	1.1	14.7	-13.6
SEC63	1	89.3	77.3	12.0	65.3
KPNA6	0	8.3	4.1	4.2	-0.1
VIM	0	6.4	2.8	3.5	-0.7
RNASET2	0	8.2	3.3	4.9	-1.5
CD44	3	18.5	12.4	6.1	6.3
BTN3A1	3	12.0	3.7	8.3	-4.6
MIPEP	0	11.1	4.1	7.0	-2.9
IFNGR1	1	12.3	7.7	4.6	3.2
B4GALT7	11	16.9	1.3	15.6	-14.4
VRK2	1	21.0	17.5	3.5	14.0
VEZT	1	36.3	32.8	3.5	29.2
BRD9	0	7.9	3.5	4.5	-1.0
SNX1	1	10.3	6.9	3.4	3.5
TBPL1	1	30.9	24.5	6.4	18.1
ARNTL2	7	14.4	1.5	12.9	-11.5
BCLAF1	1	104.4	98.9	5.5	93.4
SLC39A9	0	10.1	4.8	5.4	-0.6
TFB1M	0	10.5	3.9	6.6	-2.7
RABEP1	1	34.5	28.7	5.8	22.9
HMGB3	7	15.2	1.5	13.7	-12.3
NUP160	1	27.7	20.6	7.1	13.5
BAK1	11	19.7	1.6	18.0	-16.4
GRN	3	13.4	4.2	9.2	-5.0
FAM13B	1	14.9	11.7	3.3	8.4
CENPQ	7	22.1	3.4	18.8	-15.4
SARS	0	6.0	2.5	3.4	-0.9
RANBP3	6	12.8	1.9	11.0	-9.1
TSSC1	2	21.3	8.1	13.2	-5.1
PNPLA6	8	11.9	2.1	9.7	-7.6
IFT88	1	9.7	6.6	3.1	3.6
ALG1	12	20.1	2.6	17.5	-14.9
ZCCHC8	1	21.3	16.7	4.6	12.1
ABCF2	0	9.9	4.2	5.7	-1.4
CHPF2	0	15.4	7.2	8.2	-1.0
FUT8	3	13.7	7.1	6.6	0.4
UBA6	1	46.9	42.0	4.9	37.1
ATP6V0A1	4	8.1	2.5	5.5	-3.0
PIAS1	1	15.7	11.9	3.8	8.1
SLC4A7	1	18.9	13.4	5.5	7.9
MAP2K3	2	15.6	6.4	9.2	-2.8
TMSB10	3	20.7	12.6	8.0	4.6
RNF19A	1	13.7	10.5	3.2	7.2
PEX3	6	39.0	5.3	33.8	-28.5
GABARAPL2	0	11.3	5.9	5.4	0.6
FAM136A	0	16.7	5.3	11.4	-6.1
VCL	3	22.1	13.8	8.3	5.6
DEPDC1B	7	10.3	1.0	9.3	-8.3
NSMAF	1	16.1	10.7	5.4	5.3
ADSS	1	19.7	16.0	3.7	12.3
TIMP2	3	29.0	21.1	7.9	13.2
RFC1	1	82.8	73.3	9.5	63.7

TBC1D23	1	21.0	18.4	2.7	15.7
CUL3	1	91.9	85.4	6.5	78.9
ZZZ3	1	33.9	30.6	3.4	27.2
TUBG2	11	11.8	0.9	10.9	-9.9
RPL26L1	7	15.2	1.8	13.4	-11.7
NSUN2	0	11.1	3.3	7.8	-4.5
FBXO42	2	17.9	6.4	11.5	-5.1
MFAP3	1	25.6	21.3	4.2	17.1
MRI1	2	20.1	7.4	12.7	-5.4
METTL1	6	14.7	3.1	11.6	-8.5
AGA	0	4.7	1.6	3.1	-1.5
PI4K2B	1	9.6	5.5	4.1	1.4
BOD1L1	1	29.1	24.7	4.4	20.3
MAT2B	1	15.0	11.8	3.3	8.5
EDC4	0	14.0	6.3	7.7	-1.3
TRIO	3	24.2	8.7	15.5	-6.7
VCAN	0	11.8	2.5	9.3	-6.8
CLEC16A	0	8.3	3.4	4.9	-1.5
CDH1	4	9.7	4.0	5.6	-1.6
SKIV2L2	1	107.5	100.3	7.3	93.0
ZFYVE16	1	52.7	47.3	5.4	41.9
FAM65A	0	10.7	4.8	5.8	-1.0
RAI14	1	31.4	26.1	5.3	20.8
PNKP	0	14.1	6.9	7.2	-0.3
SPDL1	7	66.0	7.2	58.7	-51.5
STAU2	1	14.2	11.6	2.7	8.9
PQLC2	11	18.0	1.2	16.8	-15.7
CTNS	0	13.8	5.7	8.1	-2.3
PHF23	0	9.2	4.5	4.7	-0.2
INPP4A	0	8.0	3.7	4.3	-0.6
PSMA4	1	33.7	30.0	3.6	26.4
LSG1	0	8.1	2.4	5.7	-3.3
PARP3	3	11.4	3.4	8.0	-4.6
TNC	3	24.5	17.1	7.4	9.7
THAP3	2	22.3	10.0	12.4	-2.4
TDP1	0	13.2	5.1	8.1	-3.0
AIFM2	0	8.9	3.5	5.4	-1.9
MED17	1	22.4	16.5	5.9	10.5
RETSAT	0	11.8	3.8	8.0	-4.1
CAPG	0	5.8	2.5	3.3	-0.9
AP2S1	3	12.7	5.6	7.1	-1.4
DCUN1D1	1	50.4	44.9	5.5	39.5
JADE2	0	16.4	5.9	10.5	-4.6
TRIT1	6	22.4	3.7	18.7	-15.0
CUL7	0	13.0	7.4	5.6	1.8
CTNNA1	1	13.0	8.7	4.3	4.4
PHKA2	4	9.1	3.5	5.5	-2.0
HSPA5	1	9.6	6.2	3.4	2.7
DSG2	0	7.0	2.3	4.7	-2.4
GEMIN8	0	9.5	4.8	4.6	0.2
OFD1	1	23.0	18.7	4.3	14.3
WDR37	0	15.5	6.8	8.8	-2.0
YTHDC2	1	26.4	23.0	3.4	19.6
CTPS2	1	8.7	4.8	3.9	1.0

ATP6V1H	1	9.1	4.7	4.4	0.3
POLR2B	1	78.1	73.5	4.5	69.0
FAM214A	1	10.9	6.6	4.3	2.3
TPR	1	91.3	82.8	8.5	74.2
CP	4	10.9	3.6	7.3	-3.7
KIAA0556	11	13.4	1.0	12.4	-11.4
DTNBP1	0	5.1	2.1	3.0	-0.9
C12orf4	1	18.9	14.6	4.3	10.4
SCML1	1	9.3	5.3	4.1	1.2
WWC3	0	6.1	2.6	3.6	-1.0
MAP4	3	25.0	16.5	8.5	8.0
GOPC	1	33.3	28.4	4.9	23.5
USP28	1	16.0	11.2	4.8	6.4
HDAC9	0	6.8	1.8	5.0	-3.2
TSPAN17	3	16.8	5.9	11.0	-5.1
NOP16	0	19.8	7.7	12.1	-4.4
CC2D2A	0	8.0	4.0	4.0	-0.1
RRM2B	1	28.8	25.7	3.1	22.7
ZNF800	1	12.0	9.7	2.3	7.3
MRPS10	1	10.8	6.0	4.8	1.3
RSF1	1	26.3	23.1	3.2	19.8
VPS13D	0	6.5	1.8	4.6	-2.8
FAM120A	0	7.3	2.6	4.7	-2.1
R3HDM1	1	16.9	13.3	3.6	9.8
KITLG	1	7.2	4.7	2.5	2.2
ERCC8	1	14.7	8.4	6.3	2.2
H6PD	0	17.3	7.5	9.8	-2.4
VAMP3	3	9.8	2.9	6.9	-4.0
LTBP1	3	10.7	3.7	7.0	-3.3
RCN1	1	10.4	7.3	3.1	4.2
RFC2	5	19.0	9.1	9.9	-0.9
ARID1B	0	8.9	3.6	5.3	-1.6
CLPTM1L	0	5.4	2.3	3.1	-0.8
NEDD4L	0	7.3	2.9	4.3	-1.4
HEXB	1	9.4	4.9	4.5	0.4
PTCD2	1	12.6	7.6	5.0	2.6
JKAMP	1	58.7	55.5	3.2	52.2
DKK3	0	7.5	3.0	4.6	-1.6
NFE2L3	1	13.1	5.8	7.3	-1.5
MCUR1	6	25.9	6.7	19.3	-12.6
LIMA1	1	8.5	5.8	2.7	3.1
LETMD1	0	9.1	3.9	5.3	-1.4
MAPK9	1	12.9	7.3	5.6	1.7
BCAR1	3	17.9	6.8	11.2	-4.4
FAM160A2	2	16.1	4.7	11.4	-6.7
HERPUD1	0	9.1	3.9	5.2	-1.3
HOMER3	3	21.9	10.4	11.4	-1.0
RAD51	5	14.0	4.3	9.6	-5.3
PIK3CB	1	10.0	5.0	4.9	0.1
CYBA	0	6.8	2.8	4.0	-1.2
THOC3	0	11.6	4.2	7.4	-3.3
HEBP2	0	6.8	2.9	3.9	-1.1
MPHOSPH9	1	48.5	41.8	6.8	35.0
PLEKHA5	1	16.8	13.7	3.1	10.6

SIKE1	6	20.0	2.8	17.1	-14.3
RRP12	0	15.1	6.5	8.6	-2.1
FNIP2	0	10.1	2.4	7.7	-5.4
MSMO1	1	7.5	4.1	3.4	0.7
TTC17	1	18.4	15.7	2.6	13.1
FOXN3	0	8.1	3.7	4.3	-0.6
AKR7A2	2	21.2	9.3	11.8	-2.5
MRTO4	0	16.3	7.4	9.0	-1.6
USE1	2	12.8	3.5	9.3	-5.8
LAMA3	3	7.2	2.2	5.0	-2.8
AP5M1	1	37.7	32.9	4.8	28.1
ANAPC4	1	30.5	24.9	5.6	19.3
TRAPPC3	0	10.3	4.8	5.5	-0.7
THRAP3	1	34.2	30.5	3.7	26.8
PHPT1	10	15.7	4.2	11.5	-7.3
ARID4B	1	27.2	24.3	2.9	21.5
OPN3	0	7.3	2.8	4.6	-1.8
SDCCAG8	1	10.0	7.0	3.0	4.0
KIF1B	1	11.5	7.0	4.5	2.4
TBC1D22A	2	23.7	9.2	14.5	-5.4
SYNE2	1	12.9	9.2	3.6	5.6
ATP9A	0	7.9	4.0	3.9	0.0
FAM168A	0	15.2	7.7	7.5	0.2
NOP58	1	106.8	98.9	8.0	90.9
SZRD1	0	16.9	7.1	9.9	-2.8
CUL1	1	25.0	22.2	2.7	19.5
FAM114A2	1	10.4	7.1	3.3	3.8
CYFIP2	0	7.1	2.8	4.3	-1.5
TAB2	1	28.3	21.3	7.0	14.3
GINM1	0	10.8	2.4	8.4	-5.9
EIF2AK2	1	16.0	12.0	4.0	8.0
USP36	0	8.4	3.8	4.6	-0.8
KMT2C	1	14.8	11.6	3.2	8.4
PUM2	1	63.1	59.0	4.1	54.9
MRPL43	2	20.9	8.1	12.8	-4.7
C4orf27	1	12.7	8.0	4.7	3.4
ZFR	1	61.0	57.1	3.9	53.2
RC3H2	1	14.3	9.5	4.8	4.8
IL17RB	4	13.2	5.5	7.7	-2.1
TRAF3IP2	3	12.3	5.0	7.3	-2.2
GYG2	0	9.1	3.0	6.1	-3.0
DCBLD2	3	23.5	15.3	8.2	7.1
SOAT1	1	11.4	6.6	4.8	1.9
PKP2	0	10.2	2.9	7.3	-4.4
GDI2	1	32.9	29.3	3.6	25.6
ATG5	6	52.2	8.9	43.3	-34.4
PITHD1	2	10.9	3.6	7.3	-3.7
MTA3	1	16.7	11.0	5.7	5.3
USP13	0	11.0	3.1	7.9	-4.9
ATP11B	1	18.7	15.8	2.9	12.8
CDK14	0	6.5	2.5	4.0	-1.6
SEC61A1	0	15.1	7.0	8.1	-1.0
PPP1R12A	1	60.0	54.1	6.0	48.1
CROCC	0	9.0	4.6	4.3	0.3

POLR3E	0	13.6	3.9	9.7	-5.7
ATP2B4	3	15.9	9.6	6.3	3.2
ZC3H11A	1	61.0	57.8	3.2	54.6
RIOK2	1	72.3	56.3	16.0	40.4
YIPF1	0	12.1	5.2	6.9	-1.6
NDC1	7	20.1	3.3	16.8	-13.5
FLYWCH1	0	10.9	4.6	6.4	-1.8
UNKL	0	7.4	2.5	4.9	-2.4
TBXAS1	3	8.0	2.7	5.3	-2.6
PARP12	3	11.8	3.7	8.2	-4.5
ALDH18A1	0	11.2	5.7	5.4	0.3
TARBP1	1	12.3	8.9	3.4	5.5
GATB	0	12.9	5.7	7.2	-1.5
CDK17	1	31.5	26.9	4.6	22.3
DNAJC25	0	11.8	3.5	8.3	-4.7
CTDP1	2	35.6	17.8	17.8	-0.1
YBX3	1	5.6	2.8	2.8	0.1
WNK1	1	28.4	23.5	4.9	18.5
CCAR1	1	119.9	108.8	11.1	97.7
OGFR	2	15.2	5.6	9.7	-4.1
PIGV	11	20.6	1.3	19.3	-18.0
PTPRU	0	9.4	3.9	5.5	-1.7
SNRNP40	0	13.9	5.7	8.2	-2.5
QSER1	1	34.8	30.1	4.6	25.5
MPC1	4	10.7	3.3	7.5	-4.2
ACAA1	4	22.2	11.4	10.8	0.5
BCAT1	1	10.6	6.3	4.2	2.1
HDAC7	3	17.2	9.8	7.4	2.4
SPAG4	0	7.5	4.0	3.6	0.4
NCKAP1	1	105.2	96.6	8.6	88.1
MRPS35	1	23.8	15.9	7.9	8.1
SFSWAP	0	7.9	2.8	5.0	-2.2
TNK2	0	9.4	4.5	4.9	-0.3
MON2	1	36.4	33.4	3.0	30.5
GPBP1	1	89.8	84.0	5.8	78.1
DGAT2	4	13.5	3.5	10.0	-6.4
CS	7	12.6	1.1	11.5	-10.4
MRPS24	2	18.4	7.5	10.8	-3.3
ELMO2	0	9.6	5.2	4.4	0.8
WAPL	1	48.9	39.4	9.5	29.9
VMP1	1	70.2	66.1	4.2	61.9
APPBP2	1	23.3	19.8	3.5	16.3
POLD1	5	15.8	4.8	11.0	-6.1
EIF4B	1	16.9	11.5	5.4	6.1
GLTSCR1	2	29.6	10.8	18.8	-7.9
SPHK2	4	20.2	4.8	15.4	-10.7
RPL18	0	10.2	5.4	4.8	0.6
ISOC2	2	14.5	4.3	10.2	-5.9
U2AF2	2	19.6	6.0	13.6	-7.7
EPN1	0	17.0	6.7	10.2	-3.5
MED29	0	8.1	4.4	3.8	0.6
MTMR1	0	6.1	2.7	3.3	-0.6
GPC1	3	11.7	4.2	7.5	-3.3
HAGH	12	12.1	1.3	10.7	-9.4

RNF4	0	10.3	3.6	6.8	-3.2
CASP8	0	7.6	2.7	4.9	-2.2
LIMCH1	3	8.9	3.1	5.8	-2.7
ASUN	1	65.6	52.2	13.4	38.7
TM7SF3	1	11.4	6.7	4.7	2.1
SPA17	0	12.4	4.7	7.7	-3.0
TAF2	1	30.7	27.1	3.6	23.5
HIPK2	3	9.5	2.6	6.9	-4.3
TNPO3	1	9.9	5.4	4.5	0.8
BORCS8-MI	8	13.5	2.1	11.5	-9.4
RFXANK	8	14.4	2.6	11.9	-9.3
TMEM161A	2	19.1	5.8	13.3	-7.5
CTSA	0	9.1	4.7	4.4	0.3
SUGP2	0	8.7	2.8	5.9	-3.1
SLC12A2	0	7.4	2.3	5.2	-2.9
SNX24	0	8.8	3.3	5.5	-2.1
CNN2	3	11.0	3.6	7.4	-3.8
ABCA7	0	11.2	4.3	6.9	-2.6
DDX20	1	14.8	10.1	4.7	5.4
BTBD1	1	36.6	33.8	2.8	31.0
SBNO2	0	13.4	4.3	9.1	-4.8
PMS1	1	43.9	35.3	8.6	26.7
HMG20B	8	17.1	3.5	13.6	-10.1
TAF11	0	10.9	4.5	6.4	-1.9
ANKS1A	2	37.4	17.3	20.1	-2.8
AP3D1	8	11.0	3.6	7.4	-3.8
ZNF76	2	23.8	8.4	15.4	-7.0
SLC9A3R2	3	9.9	3.0	6.9	-4.0
NTHL1	12	14.6	2.2	12.5	-10.3
UHRF1BP1	0	10.4	4.5	5.8	-1.3
IPO5	1	14.5	9.0	5.4	3.6
OAT	1	13.8	9.1	4.7	4.4
WDR3	1	21.5	15.8	5.8	10.0
PKN2	1	68.7	61.8	6.8	55.0
WDR18	8	26.0	7.2	18.8	-11.6
TRAM2	3	11.5	5.1	6.3	-1.2
MCM10	7	24.3	5.1	19.2	-14.1
DGKA	1	11.2	5.9	5.3	0.6
ERBB3	4	27.3	17.3	10.0	7.3
KARS	0	14.4	6.1	8.2	-2.1
ADAT1	0	7.9	3.4	4.4	-1.0
PDIA5	0	7.9	4.3	3.6	0.6
TBC1D22B	2	25.9	11.0	14.9	-3.9
NDUFB4	0	7.1	3.2	3.8	-0.6
SPEN	1	8.8	5.7	3.1	2.6
MYLK	3	22.0	14.1	7.8	6.3
ZC3H15	1	114.6	106.8	7.7	99.1
MAP2K4	1	12.2	8.3	3.9	4.4
TMEM206	0	7.7	3.4	4.3	-0.9
SLK	1	41.6	36.3	5.3	31.1
CYB5R4	1	18.4	12.5	5.9	6.5
SEC61A2	0	7.5	2.8	4.7	-2.0
ASB1	0	9.2	4.4	4.8	-0.5
FAM107B	0	8.0	2.6	5.4	-2.8

ME1	0	6.7	2.5	4.3	-1.8
TBC1D1	0	9.3	2.0	7.3	-5.4
CDK13	1	13.8	10.4	3.4	7.0
SLC9A7	0	7.8	3.9	3.9	0.0
FOXJ2	0	10.6	5.3	5.3	0.0
YBX1	0	9.7	3.9	5.8	-1.9
PPP2R5A	0	8.2	2.5	5.6	-3.1
ELAVL1	8	22.4	5.5	16.8	-11.3
DIP2B	4	17.9	8.1	9.8	-1.7
SMARCD1	6	13.7	2.2	11.5	-9.3
KDM4A	0	10.2	5.1	5.0	0.1
NFYC	0	10.0	5.1	4.9	0.2
ASPM	7	35.8	5.7	30.1	-24.4
ELOVL1	3	14.3	3.7	10.6	-6.9
ZNRD1	2	23.9	10.8	13.0	-2.2
ZBTB11	1	32.3	29.6	2.7	26.9
ATXN3	1	25.8	20.8	5.0	15.8
GOLGA5	1	22.1	19.4	2.8	16.6
LRRC40	1	43.1	35.0	8.1	26.9
ISOC1	4	15.2	3.7	11.6	-7.9
EML1	1	9.7	5.5	4.1	1.4
TRMT11	1	29.2	23.8	5.3	18.5
THUMPD1	1	21.1	18.3	2.8	15.6
MSANTD3	3	16.9	9.3	7.6	1.7
ARFGEF1	1	24.9	22.2	2.7	19.4
ZFAT	2	12.1	3.7	8.4	-4.8
MTFR1	1	25.4	21.8	3.6	18.2
FECH	0	7.6	3.4	4.1	-0.7
PFKP	3	9.7	4.6	5.0	-0.4
IDI1	1	13.1	9.5	3.7	5.8
SP100	3	21.2	12.1	9.1	2.9
KLF6	1	10.9	4.8	6.0	-1.2
PLPP1	0	8.7	3.8	4.8	-1.0
NEO1	0	6.1	2.8	3.3	-0.5
TRAM1	1	49.0	45.7	3.2	42.5
TNFRSF1A	0	8.1	3.6	4.5	-0.9
EVI5	1	25.2	21.7	3.5	18.2
STOML1	3	21.4	6.5	14.9	-8.5
PKM	3	12.4	5.5	6.9	-1.4
DHX29	1	36.3	31.6	4.7	26.9
DNTTIP2	1	81.2	72.6	8.7	63.9
METTL22	0	8.0	3.6	4.4	-0.8
TP53BP1	1	18.5	15.3	3.2	12.2
RRP15	1	39.7	27.4	12.4	15.0
RHOA	0	8.2	3.5	4.7	-1.2
DHX8	0	5.8	2.3	3.5	-1.3
PRKCZ	0	8.9	3.7	5.2	-1.5
IARS2	1	39.2	33.2	6.1	27.1
NAV3	7	12.0	1.0	11.0	-10.0
IDH3G	0	12.8	5.8	6.9	-1.1
ROGDI	0	7.1	3.1	4.0	-0.8
ROCK1	1	37.1	33.6	3.5	30.1
CBFB	1	26.4	21.0	5.5	15.5
HYAL2	2	20.0	6.8	13.2	-6.4

HDAC4	0	9.5	4.5	5.0	-0.5
RASSF1	0	16.7	6.1	10.6	-4.6
FGFR3	4	28.6	15.4	13.1	2.3
IFI35	0	14.8	6.3	8.5	-2.2
HEATR6	0	7.2	3.3	4.0	-0.7
COASY	4	15.3	4.2	11.0	-6.8
PLEKHH3	2	23.5	9.6	13.9	-4.3
MEF2A	0	8.3	2.5	5.7	-3.2
OTUD5	0	7.2	3.6	3.6	0.0
TFE3	3	14.7	6.5	8.2	-1.6
TBC1D25	0	16.6	7.1	9.5	-2.4
ACSL4	1	10.1	7.5	2.6	4.8
INPP5A	0	10.4	4.7	5.8	-1.1
GPKOW	0	12.5	5.2	7.3	-2.1
GRIPAP1	0	6.5	2.8	3.7	-0.9
FTSJ1	3	13.1	6.3	6.8	-0.6
PRR11	5	18.9	7.3	11.6	-4.4
ATP11A	0	8.8	4.1	4.7	-0.6
POLR1A	0	10.6	4.7	6.0	-1.3
LAPTM4A	1	9.9	5.7	4.2	1.6
TTC7A	0	9.1	3.7	5.4	-1.7
IP6K2	0	12.3	5.7	6.7	-1.0
KIF2A	1	54.6	47.0	7.6	39.4
PSME4	1	46.9	40.5	6.4	34.2
IFT80	1	22.6	19.0	3.6	15.4
SIRT2	0	14.2	6.0	8.3	-2.3
ERLEC1	1	22.0	18.7	3.3	15.5
PPP2R5B	0	17.6	7.3	10.3	-2.9
PITX1	2	10.6	3.6	7.0	-3.3
NUP133	1	9.6	5.9	3.8	2.1
NUCKS1	1	123.1	111.9	11.2	100.8
VPS35	1	58.2	47.3	10.9	36.4
DNAJA2	1	12.0	6.1	6.0	0.1
BCL3	3	17.5	6.1	11.4	-5.3
KCNAB2	0	6.6	2.7	3.9	-1.2
FUNDC1	1	13.4	7.9	5.4	2.5
MAOB	4	20.2	10.2	10.1	0.1
ATP1B3	6	53.7	15.0	38.7	-23.6
NEDD4	1	35.5	32.6	3.0	29.6
PIGB	1	7.3	4.0	3.3	0.7
MAPK6	1	37.2	34.2	3.0	31.1
GNB5	3	8.6	2.9	5.6	-2.7
RAB27A	0	7.8	2.7	5.1	-2.4
CECR5	2	13.4	4.9	8.5	-3.6
UFD1L	5	10.9	2.5	8.4	-5.9
LRP6	1	14.5	8.7	5.8	2.9
PHRF1	8	28.0	4.7	23.3	-18.6
IKBKAP	1	16.2	11.0	5.2	5.7
NUCB2	1	34.2	31.0	3.2	27.8
PFN2	1	11.4	6.9	4.5	2.3
PTPN3	4	8.7	2.7	6.0	-3.3
SLC44A1	0	7.1	2.7	4.4	-1.6
TMEM260	0	7.5	3.4	4.2	-0.8
SMG6	0	9.6	5.0	4.7	0.3

EXOC5	1	77.9	72.2	5.7	66.6
CLTCL1	3	8.7	2.6	6.1	-3.5
FSTL3	3	14.3	7.7	6.5	1.2
DGCR2	0	13.6	6.1	7.5	-1.4
RNF126	8	27.4	9.0	18.4	-9.4
MNT	0	12.4	5.6	6.8	-1.2
ZXDC	2	13.5	4.3	9.2	-4.8
JMJD6	0	9.3	4.0	5.3	-1.3
POLB	0	8.8	3.3	5.5	-2.1
WIPI1	0	7.7	4.3	3.4	1.0
GBA2	0	10.3	4.6	5.7	-1.1
NDST1	3	12.1	4.2	7.9	-3.7
ASNS	0	7.4	2.6	4.8	-2.2
AP3M2	0	9.3	3.1	6.2	-3.0
ST6GALNAC	0	14.4	5.6	8.8	-3.3
PABPC1	1	24.6	20.0	4.5	15.5
CFAP20	0	9.9	4.6	5.3	-0.8
CSNK2A2	0	10.5	4.8	5.7	-0.9
PTPN21	0	8.7	2.9	5.8	-2.9
EIF2B3	0	13.7	5.8	8.0	-2.2
TCOF1	5	16.0	4.5	11.5	-7.1
CDC42	1	39.1	34.9	4.2	30.8
OSBPL3	0	5.3	1.9	3.4	-1.5
RAD18	1	19.5	14.0	5.5	8.5
ATP2B1	1	22.0	18.7	3.3	15.4
NCK2	0	8.4	4.0	4.4	-0.4
MAP4K4	0	9.6	3.1	6.5	-3.3
RPL31	6	20.2	4.7	15.5	-10.8
WDR1	0	15.2	2.9	12.3	-9.4
SNX13	1	24.6	22.2	2.5	19.7
ING3	1	18.0	14.5	3.5	11.0
LMCD1	3	10.3	3.6	6.7	-3.0
WBSCR22	0	8.4	3.4	5.0	-1.6
SEL1L	1	26.2	20.0	6.2	13.7
TRIP13	5	23.5	8.7	14.8	-6.1
ATP6AP1	0	12.3	6.2	6.0	0.2
TCF3	8	16.8	5.9	10.9	-5.0
DAZAP1	8	13.5	2.6	10.9	-8.3
MBD3	8	26.9	9.6	17.3	-7.7
HLTF	1	27.6	23.8	3.8	20.0
FAM50A	0	6.7	3.3	3.5	-0.2
FAM3A	0	21.1	8.9	12.1	-3.2
CPSF1	13	11.0	1.8	9.2	-7.3
CYBRD1	3	10.9	3.4	7.5	-4.1
PDCD2	0	8.2	3.4	4.8	-1.3
RDH11	1	15.8	11.9	4.0	7.9
PRKACA	8	17.3	4.5	12.9	-8.4
ADGRL1	0	10.7	4.4	6.3	-1.9
ACTN1	3	19.1	11.1	8.0	3.1
ZFYVE26	0	9.9	4.9	4.9	0.0
EPN2	0	6.5	2.4	4.1	-1.7
PTPN18	4	14.2	3.5	10.7	-7.2
SPEG	3	17.0	10.9	6.1	4.9
ALDH3A2	4	9.4	2.9	6.6	-3.7

TFRC	1	69.0	63.6	5.4	58.2
SREBF1	0	7.7	2.2	5.4	-3.2
AFF4	1	29.4	25.2	4.2	21.1
UBE2D1	1	29.8	21.7	8.1	13.6
MPP5	1	17.1	12.8	4.3	8.5
RHOBTB1	0	5.1	2.2	2.8	-0.6
SMC1A	1	22.7	14.3	8.3	6.0
HSD17B10	0	8.8	3.8	5.0	-1.3
MARK2	2	27.0	11.8	15.2	-3.4
HMMR	7	24.4	5.2	19.2	-14.0
CHFR	0	7.3	3.5	3.8	-0.3
P4HA2	3	11.5	5.4	6.1	-0.7
NFATC3	0	14.1	6.5	7.6	-1.1
TRNT1	1	11.9	8.5	3.4	5.1
ACADVL	0	8.8	3.7	5.1	-1.3
STK10	0	8.3	3.6	4.7	-1.1
FBXW11	0	7.8	3.5	4.3	-0.9
EVC	3	11.3	5.1	6.3	-1.2
DERL2	1	21.6	15.4	6.3	9.1
NDE1	0	8.1	3.2	5.0	-1.8
AP1M1	3	17.8	6.7	11.1	-4.3
PVR	3	8.1	2.6	5.5	-2.9
XRCC1	3	10.1	3.4	6.7	-3.4
SCARB1	4	19.8	9.4	10.5	-1.1
MCM2	5	23.7	11.6	12.1	-0.5
SELO	2	23.1	10.1	12.9	-2.8
LLGL2	4	22.1	10.5	11.6	-1.1
PDE8A	1	14.7	9.1	5.6	3.5
NLE1	0	16.9	6.4	10.5	-4.0
SDHA	0	8.8	3.9	5.0	-1.1
SMARCE1	1	39.7	36.1	3.7	32.4
GSDMB	0	8.6	4.0	4.6	-0.5
KDM5A	1	18.8	15.0	3.8	11.2
FERMT2	1	32.6	26.2	6.4	19.8
IGF2BP2	1	11.1	6.1	5.0	1.1
MAP3K13	0	6.1	2.1	4.0	-2.0
ST6GAL1	4	20.3	11.6	8.7	2.8
PICALM	1	51.9	47.3	4.6	42.7
NSF	1	12.9	8.6	4.2	4.4
CLASP1	1	17.2	9.8	7.4	2.4
MRPS34	12	21.9	4.5	17.4	-12.9
CLNS1A	1	24.4	17.1	7.3	9.8
TEAD2	0	10.7	5.1	5.6	-0.6
EED	7	17.8	2.6	15.2	-12.6
TSG101	6	32.4	5.6	26.7	-21.1
NCBP3	1	31.2	22.7	8.5	14.1
CA12	0	11.6	4.8	6.9	-2.1
MGLL	3	11.3	5.1	6.2	-1.1
NTN4	3	11.8	6.2	5.6	0.5
BCS1L	0	9.1	4.0	5.1	-1.2
NUAK1	0	11.2	2.9	8.4	-5.5
DPP8	1	22.6	19.1	3.5	15.5
ZNF532	0	8.3	2.9	5.4	-2.5
LMAN1	1	33.6	31.2	2.4	28.9

HACD3	1	19.3	14.2	5.1	9.1
ZZEF1	0	11.6	6.4	5.3	1.1
ENO1	3	13.6	4.0	9.6	-5.6
MYDGF	8	16.6	3.5	13.1	-9.6
TUBE1	1	10.1	5.9	4.2	1.7
ARHGEF10I	4	21.3	8.2	13.0	-4.8
ACTR6	1	28.5	23.4	5.1	18.3
TIPIN	7	19.6	3.3	16.3	-13.0
SRI	0	4.1	1.8	2.3	-0.4
EIF4G3	1	19.3	16.0	3.4	12.6
NUP37	7	21.2	3.3	18.0	-14.7
SEMA3A	0	8.5	3.6	4.9	-1.4
GTSE1	5	17.5	6.6	10.9	-4.3
SEMA3C	1	17.7	8.4	9.2	-0.8
TTC38	4	12.9	5.7	7.2	-1.4
ACAT1	1	22.8	16.0	6.8	9.1
GRAMD4	0	8.2	3.2	4.9	-1.7
CELSR1	0	6.2	2.6	3.6	-1.1
ZNF638	1	83.0	77.8	5.2	72.5
SLC25A40	7	16.9	2.5	14.4	-11.8
TIMM21	1	25.1	20.3	4.9	15.4
RASAL2	0	10.4	2.5	7.9	-5.4
VPS9D1	0	8.4	4.4	4.1	0.3
MARK3	1	46.9	41.5	5.4	36.1
SLC25A3	0	15.5	5.4	10.0	-4.6
FNDC3B	0	10.6	3.9	6.8	-2.9
FOSL2	3	20.2	13.8	6.5	7.3
FRYL	1	18.7	12.1	6.6	5.5
TMEM131	1	10.7	7.0	3.7	3.4
FSCN1	3	10.7	4.6	6.1	-1.5
ACTB	3	18.4	9.9	8.5	1.4
MOCOS	0	9.3	4.2	5.1	-0.9
PLD1	1	11.1	7.3	3.8	3.5
WDR62	0	13.1	4.6	8.5	-3.9
DLG1	1	47.7	43.6	4.1	39.5
RAB7A	1	22.4	18.2	4.3	13.9
BCAP29	1	46.4	39.3	7.2	32.1
SART3	0	16.3	6.7	9.6	-2.9
EXOSC7	0	15.7	7.2	8.5	-1.3
KIFAP3	3	9.0	2.6	6.4	-3.9
MKRN2	0	7.7	4.0	3.7	0.4
MCM6	5	26.5	9.7	16.8	-7.1
REXO2	1	18.1	9.3	8.8	0.6
RBM7	1	38.5	32.3	6.3	26.0
RBMS2	0	9.5	4.4	5.0	-0.6
BAZ2A	0	13.5	6.9	6.6	0.3
PTPN23	0	12.8	6.2	6.7	-0.5
MLH1	6	32.5	5.3	27.2	-21.9
UNG	5	18.7	3.9	14.8	-10.9
KLHL20	1	9.0	5.2	3.8	1.4
SLC46A1	4	14.6	6.5	8.1	-1.7
SPAG5	5	32.5	14.7	17.8	-3.2
ANKRD13A	0	6.6	2.8	3.7	-0.9
TPD52	1	21.2	13.8	7.4	6.4

TRAF4	4	17.3	7.4	9.9	-2.6
GPATCH1	0	7.2	3.1	4.1	-1.0
ICAM3	2	14.2	4.1	10.1	-6.0
NT5C2	1	33.0	29.0	3.9	25.1
MCAM	3	12.0	6.2	5.8	0.4
RAP1GAP	4	20.1	8.7	11.4	-2.7
XAB2	8	34.2	10.8	23.4	-12.6
ARHGEF1	0	10.5	4.6	5.9	-1.2
STXBP2	4	10.6	3.2	7.4	-4.2
MAP2K7	8	9.3	2.0	7.3	-5.2
DGKD	0	8.2	2.6	5.6	-3.0
TOP2B	1	119.5	110.1	9.4	100.7
TM9SF3	1	99.4	92.9	6.5	86.5
NFKB2	0	13.1	5.4	7.7	-2.3
UBE2T	5	27.0	16.8	10.2	6.6
DNAJC10	1	70.5	64.6	5.9	58.7
GTF3C1	11	6.7	0.7	6.0	-5.4
IL4R	0	10.0	4.1	6.0	-1.9
USP33	1	59.4	54.5	4.9	49.7
SNRPA	5	25.4	6.7	18.7	-12.0
EXOSC5	2	16.5	6.0	10.6	-4.6
DYNC1I2	1	50.7	45.2	5.5	39.6
LRCH4	2	22.1	7.8	14.3	-6.5
FAM76B	1	38.4	34.3	4.1	30.2
SIRT6	8	23.8	6.5	17.2	-10.7
POLD3	7	9.8	1.3	8.5	-7.2
CAPZB	3	13.1	5.2	7.9	-2.7
GPR137B	0	8.3	3.5	4.8	-1.3
JADE1	7	10.7	1.0	9.8	-8.8
SLC25A43	0	8.8	4.2	4.6	-0.3
UBE2A	3	11.8	3.7	8.1	-4.5
FGFR1	3	8.1	2.2	5.9	-3.6
FBLN1	0	5.5	2.3	3.1	-0.8
MAP2	0	7.0	2.2	4.8	-2.6
PIAS2	0	6.3	3.2	3.1	0.0
ARAF	3	14.3	4.1	10.2	-6.2
MCCC1	1	10.3	5.9	4.4	1.6
ACER3	0	6.2	2.6	3.5	-0.9
UBE2K	1	29.5	24.8	4.6	20.2
PIK3C3	1	24.0	19.4	4.5	14.9
TIGAR	1	20.8	16.3	4.5	11.8
TULP3	0	8.5	4.4	4.1	0.3
SYNJ2	3	8.9	4.4	4.6	-0.2
PPP2R5C	1	29.6	26.2	3.5	22.7
GNB1	1	20.6	13.9	6.7	7.3
EDN1	3	9.5	3.4	6.1	-2.7
MLLT10	1	12.8	8.8	4.0	4.8
NRDC	1	67.8	62.2	5.6	56.7
VDAC3	1	13.8	6.4	7.4	-1.0
PCM1	1	50.9	44.4	6.5	37.9
CBFA2T2	0	12.3	6.4	5.9	0.5
ITCH	1	53.1	48.1	5.0	43.1
TP53INP2	0	12.5	6.3	6.2	0.2
SDF4	0	13.3	7.1	6.2	0.9

TOLLIP	8	17.8	2.3	15.5	-13.2
UBE2D4	2	21.6	8.8	12.8	-4.0
THOC1	1	40.8	36.0	4.7	31.3
FKBP7	1	12.9	6.8	6.1	0.7
XRCC5	1	82.7	73.5	9.2	64.2
MKNK1	0	7.1	3.7	3.4	0.2
REXO1	0	8.9	3.2	5.7	-2.6
SAR1A	1	72.0	60.6	11.5	49.1
CEACAM1	4	22.8	13.1	9.7	3.5
SENP1	1	24.4	16.9	7.4	9.5
CIC	3	17.6	5.3	12.4	-7.1
FDFT1	0	6.7	2.8	4.0	-1.2
PAFAH1B3	5	10.3	3.0	7.3	-4.4
KIF22	5	24.4	12.8	11.6	1.1
LRRC16A	0	5.1	1.9	3.2	-1.4
PGM1	0	8.1	3.9	4.2	-0.3
DDX1	1	92.3	86.6	5.7	80.9
DNM2	8	13.7	2.0	11.7	-9.7
EPB41L2	1	21.7	16.5	5.2	11.2
MOXD1	3	10.0	4.5	5.5	-1.0
STX7	1	20.1	16.3	3.8	12.5
RABL2B	0	13.9	6.3	7.6	-1.3
KEAP1	0	7.3	2.4	5.0	-2.6
PTPRH	11	14.1	0.8	13.3	-12.5
SLC35C2	0	11.1	4.8	6.3	-1.4
RIF1	1	45.5	39.0	6.5	32.6
RAB21	1	19.5	16.4	3.2	13.2
SMARCA2	0	6.5	2.0	4.6	-2.6
SRCAP	11	20.9	1.6	19.3	-17.6
PUM3	1	20.6	16.0	4.6	11.4
CNOT4	0	5.3	2.2	3.1	-0.9
PSEN1	0	8.5	4.0	4.5	-0.4
CPOX	0	6.9	3.0	3.9	-0.9
CLDND1	1	37.2	32.7	4.5	28.2
MOK	3	8.6	3.4	5.2	-1.7
HSP90AA1	1	89.8	84.8	5.0	79.7
RBL1	7	27.4	4.6	22.8	-18.2
DLGAP4	3	15.9	6.3	9.6	-3.3
NDC80	7	26.2	5.9	20.2	-14.3
AFP	4	21.7	12.2	9.6	2.6
TCF7	0	7.5	3.7	3.8	-0.1
OSTM1	1	27.0	21.7	5.2	16.5
PCNP	1	86.2	81.5	4.7	76.8
EXD2	0	9.2	4.6	4.6	0.0
ARG2	1	11.6	6.1	5.5	0.7
UBA5	1	24.5	21.5	3.1	18.4
STK17B	1	8.2	5.0	3.3	1.7
CDC14B	0	9.8	3.1	6.7	-3.6
JMJD4	2	31.9	15.8	16.0	-0.2
DUSP12	1	9.8	5.1	4.7	0.3
AACS	2	22.1	9.5	12.6	-3.1
KIAA0141	0	7.7	3.3	4.4	-1.0
HSPB11	7	15.4	1.9	13.5	-11.6
PHLPP1	2	11.7	3.4	8.2	-4.8

ATP8B1	0	7.5	2.0	5.5	-3.6
SMARCD3	0	5.2	2.6	2.6	0.0
WDR70	1	10.0	5.1	4.9	0.2
STRADB	0	8.0	2.6	5.4	-2.7
BZW1	1	91.1	84.7	6.5	78.2
ME2	1	15.1	10.6	4.4	6.2
C5orf22	1	12.3	8.3	4.0	4.4
CCNT2	1	35.1	31.7	3.4	28.2
FAM135A	1	15.1	9.6	5.5	4.1
COBLL1	1	14.3	8.4	5.8	2.6
DLG3	0	6.6	3.1	3.5	-0.5
TRAF5	1	7.2	3.7	3.5	0.1
MRPL22	0	15.9	5.9	9.9	-4.0
GEMIN5	0	16.7	6.7	10.0	-3.4
NFE2L1	0	11.0	4.8	6.3	-1.5
GSK3B	1	6.7	3.5	3.1	0.4
ITGB5	0	6.7	3.5	3.2	0.3
ERC1	0	12.0	4.2	7.9	-3.7
XPO1	1	145.5	137.3	8.3	129.0
RNF13	1	39.7	36.7	3.0	33.7
PALB2	1	11.6	8.2	3.4	4.7
LYRM2	1	21.3	17.6	3.7	13.9
BCKDHB	0	5.9	2.3	3.7	-1.4
KAT6A	0	12.6	3.8	8.8	-4.9
ZCCHC6	1	8.0	5.7	2.3	3.5
TNPO1	1	103.6	95.8	7.8	88.0
PLOD1	0	10.8	5.5	5.2	0.3
ITGAE	0	9.8	4.5	5.3	-0.8
DIS3	1	30.9	26.9	4.0	23.0
PIBF1	1	22.5	17.1	5.4	11.7
PDS5B	1	27.9	24.3	3.7	20.6
OXCT1	0	8.6	2.3	6.3	-4.0
RRAGB	1	10.3	6.1	4.2	1.9
CYLD	0	6.8	2.5	4.3	-1.7
SLC27A5	2	13.9	5.3	8.6	-3.4
ZNF446	2	19.4	7.0	12.4	-5.4
RPS5	0	11.4	5.4	6.0	-0.5
FAT1	1	10.8	7.7	3.1	4.6
YTHDC1	1	75.5	71.0	4.5	66.5
CHMP2B	1	11.7	7.7	3.9	3.8
SMAP2	2	13.3	4.4	8.9	-4.6
PPIE	0	10.0	4.4	5.6	-1.2
ZMPSTE24	1	40.0	36.8	3.2	33.6
STARD7	0	12.5	3.9	8.6	-4.7
NOA1	2	18.0	7.7	10.3	-2.7
REST	1	23.3	19.2	4.1	15.2
SSH1	3	13.8	3.9	9.9	-6.1
GSTP1	0	9.2	3.3	5.9	-2.6
APLP2	0	7.2	3.6	3.6	0.0
WBP11	7	18.0	1.8	16.2	-14.4
EIF3I	0	13.2	6.2	7.0	-0.8
COL16A1	3	9.6	3.0	6.6	-3.7
TXLNA	0	15.6	6.4	9.2	-2.9
NCOA1	1	8.3	4.9	3.4	1.5

AGBL5	0	14.5	6.3	8.3	-2.0
KIF3C	3	14.2	7.6	6.6	1.0
RAB10	1	14.5	11.4	3.1	8.2
HADHA	0	9.7	3.7	5.9	-2.2
MAPRE3	3	15.5	4.1	11.4	-7.3
CAD	0	8.7	3.8	4.9	-1.1
CD59	3	20.4	13.8	6.7	7.1
CD82	3	20.0	12.5	7.4	5.1
BCORL1	11	14.9	1.0	13.9	-12.9
ATRX	1	48.0	44.1	3.8	40.3
AK6	1	60.1	50.2	9.9	40.2
MYNN	1	17.6	13.1	4.5	8.5
MECOM	1	6.0	3.3	2.8	0.5
SCAMP1	1	35.6	32.8	2.8	30.0
PREP	0	9.7	4.0	5.7	-1.6
SEH1L	1	14.8	10.8	4.0	6.9
WDFY1	1	28.5	25.2	3.3	22.0
SLC25A24	1	10.5	6.7	3.9	2.8
MAP3K4	1	19.5	14.7	4.7	10.0
ABCB1	0	7.1	2.5	4.6	-2.2
AKR1B1	0	5.1	2.2	2.9	-0.6
CPNE3	1	30.5	26.1	4.4	21.7
RRN3	1	11.7	7.2	4.5	2.7
CTTN	0	5.8	1.9	4.0	-2.1
MTIF2	1	55.2	48.5	6.8	41.7
DDHD2	6	30.9	6.0	24.9	-18.9
TTC39A	9	15.8	1.4	14.4	-13.0
EPS15	1	20.3	16.7	3.6	13.1
ORC1	0	21.5	7.3	14.2	-6.9
MGST2	4	23.1	13.6	9.5	4.1
CHERP	8	16.0	3.5	12.5	-9.0
ATG16L1	0	7.8	3.4	4.4	-1.1
USP40	0	5.4	1.9	3.5	-1.6
POMGNT1	0	15.6	6.6	9.0	-2.4
RAD54L	5	13.2	2.8	10.4	-7.6
MAST2	0	15.9	6.7	9.2	-2.4
DNAJA1	1	65.3	61.2	4.1	57.1
B4GALT1	0	9.6	4.5	5.1	-0.6
CHMP5	1	11.0	7.7	3.3	4.5
NFX1	9	7.8	0.8	6.9	-6.1
DIMT1	0	12.1	4.9	7.2	-2.3
IPO11	1	43.6	33.7	9.9	23.8
EIF2AK1	0	7.3	2.3	5.0	-2.7
EPDR1	0	14.5	5.9	8.5	-2.6
SNX10	0	5.5	1.7	3.8	-2.1
SEPHS1	5	9.5	1.9	7.5	-5.6
MRPL28	12	12.3	2.8	9.6	-6.8
ITPKC	2	26.4	12.5	13.9	-1.3
RBM22	0	8.8	4.0	4.8	-0.8
TMED2	1	18.6	15.6	3.0	12.6
ZFAND6	1	12.5	8.3	4.2	4.1
TXLNG	1	21.8	16.9	4.8	12.1
HUWE1	1	8.8	5.4	3.4	2.1
ZW10	7	17.5	2.7	14.8	-12.0

ALG9	0	10.7	4.8	5.9	-1.1
ACOX3	0	8.2	3.8	4.4	-0.6
MTMR2	1	22.2	18.7	3.5	15.2
PPP1R15A	3	12.3	4.2	8.1	-3.9
TRIP6	3	13.7	5.1	8.6	-3.5
FTL	0	8.7	4.9	3.8	1.1
SRRT	0	9.6	3.7	5.9	-2.3
BAX	0	7.8	4.2	3.6	0.6
NLK	0	5.8	2.0	3.8	-1.8
PIGS	0	10.0	4.6	5.4	-0.8
ATXN7L3	0	10.8	5.9	4.9	1.1
PGS1	0	13.3	6.1	7.3	-1.2
PSMC5	5	13.3	2.3	10.9	-8.6
UIMC1	1	17.2	12.0	5.2	6.7
MMP2	1	13.2	6.5	6.7	-0.2
OGFOD1	0	9.4	4.6	4.8	-0.2
SH3BP2	0	6.9	3.1	3.8	-0.6
NOP14	8	15.3	2.3	12.9	-10.6
ADD1	0	9.2	4.1	5.1	-1.0
L2HGDH	0	12.9	4.6	8.3	-3.7
C14orf166	1	78.6	72.3	6.4	65.9
GMCL1	1	11.0	6.9	4.1	2.8
SF3B2	0	10.5	4.9	5.6	-0.7
KLHL42	0	8.8	4.5	4.3	0.3
GNAS	6	10.0	1.8	8.1	-6.3
DNM1L	1	108.4	101.2	7.1	94.1
PTHLH	0	6.6	2.6	4.0	-1.4
ERGIC2	1	102.6	96.0	6.6	89.4
AURKA	5	27.4	15.8	11.6	4.2
PIR	0	10.4	3.7	6.7	-3.1
AAMDC	0	8.4	3.7	4.7	-0.9
METTL2A	2	25.5	10.2	15.3	-5.1
ALG6	1	15.0	10.2	4.8	5.3
CNOT3	0	15.5	7.3	8.2	-0.9
PTPN4	1	17.4	14.3	3.1	11.2
DDX18	1	104.6	97.5	7.1	90.5
KHSRP	8	15.4	3.3	12.1	-8.9
GNA11	8	13.4	2.9	10.5	-7.6
ASAP3	0	8.8	4.7	4.1	0.5
EDEM2	0	12.1	5.1	7.1	-2.0
TPX2	5	33.9	23.0	10.9	12.2
PDRG1	2	19.1	7.0	12.0	-5.0
EPB41L1	0	8.0	3.6	4.4	-0.9
DOCK9	1	17.5	13.0	4.4	8.6
ANKRD10	1	14.7	11.7	3.0	8.7
TGDS	1	13.9	8.9	5.0	3.9
COQ9	2	13.1	5.2	8.0	-2.8
KIF9	0	12.2	5.0	7.2	-2.2
CRLS1	1	17.9	11.0	6.9	4.1
PPP1R13B	4	14.4	3.9	10.5	-6.7
ATRN	0	10.0	4.9	5.1	-0.3
SMOX	3	10.4	3.6	6.9	-3.3
FKBP1A	3	10.1	3.9	6.2	-2.4
NSFL1C	0	8.9	2.9	6.0	-3.1

ZNF343	0	12.0	5.2	6.8	-1.6
MAVS	0	11.3	5.3	6.0	-0.7
RP5-1187M	2	20.0	8.0	12.1	-4.1
XRN2	1	39.4	35.5	3.9	31.6
KIZ	1	13.4	7.5	5.9	1.6
DYNLL1	0	6.4	2.6	3.8	-1.2
TESC	4	12.9	5.6	7.2	-1.6
SNX5	1	57.8	50.7	7.2	43.5
RPL6	1	19.9	15.1	4.7	10.4
MAPKAPK5	4	15.6	3.2	12.4	-9.1
ESF1	1	42.1	32.9	9.2	23.6
RBBP9	0	10.0	3.6	6.4	-2.8
ANAPC5	0	8.5	3.0	5.4	-2.4
SLC23A2	0	8.2	4.4	3.8	0.6
SLC8B1	0	11.1	4.1	6.9	-2.8
TMEM230	1	12.3	9.1	3.2	6.0
KDM2B	0	11.3	4.9	6.3	-1.4
TASP1	0	11.2	4.3	6.9	-2.6
OAS1	0	9.7	4.0	5.8	-1.8
GCN1	4	11.2	2.8	8.4	-5.6
RPLP0	6	12.4	2.0	10.4	-8.5
PXN	3	20.2	12.3	7.9	4.4
KIF16B	1	15.9	11.9	4.0	8.0
TRMT6	1	22.5	16.7	5.8	10.9
PEBP1	4	14.9	4.2	10.7	-6.6
BRAP	0	11.9	5.5	6.4	-0.9
ERP29	4	12.9	3.3	9.5	-6.2
FUS	0	9.0	3.3	5.7	-2.4
IGBP1	0	7.3	3.6	3.7	0.0
FXYD5	3	22.1	13.9	8.3	5.6
ZNF302	1	12.8	10.3	2.5	7.8
GRAMD1A	0	7.4	2.1	5.4	-3.3
CDIP1	12	16.5	1.7	14.8	-13.1
GANAB	0	9.0	4.9	4.1	0.9
GMIP	8	25.7	2.6	23.1	-20.5
RBM41	1	12.2	9.0	3.3	5.7
BIRC5	5	28.1	18.3	9.8	8.6
MLF2	0	7.1	3.7	3.4	0.3
DDX24	0	8.1	3.9	4.2	-0.3
ZBTB25	6	30.3	7.6	22.7	-15.1
NECAP1	0	7.3	3.6	3.7	-0.1
DHX32	0	9.5	3.5	6.0	-2.4
RCOR1	1	11.5	6.3	5.3	1.0
GPATCH2L	1	13.1	8.9	4.2	4.7
LTBP4	0	6.1	2.2	3.8	-1.6
BLVRB	0	13.5	5.8	7.7	-1.9
SLC9A1	0	17.0	6.7	10.3	-3.5
SPTLC1	1	16.4	13.4	3.0	10.3
PAPOLA	1	108.8	102.9	5.9	97.0
CCNK	0	7.7	3.7	4.0	-0.4
PCBP4	0	11.9	5.5	6.4	-0.9
YPEL3	11	14.6	1.4	13.2	-11.9
MRPS33	6	10.2	1.6	8.6	-7.0
NDUFB2	2	11.9	3.9	8.0	-4.1

NUDC	0	13.2	4.6	8.6	-4.0
MAEA	8	12.8	2.7	10.0	-7.3
ICAM1	0	11.3	5.4	5.9	-0.4
STRN4	0	10.1	5.5	4.6	0.9
LYZ	4	24.1	13.0	11.1	1.9
MUL1	11	29.2	1.9	27.3	-25.4
TFAP4	12	16.9	1.8	15.0	-13.2
PDCD7	2	9.2	2.9	6.3	-3.4
SPG21	0	10.9	4.8	6.1	-1.3
DNAJB11	1	25.1	21.9	3.2	18.7
P3H2	3	10.9	3.9	7.0	-3.2
RAB11FIP3	0	7.4	3.6	3.9	-0.3
GNPTG	0	8.3	4.2	4.1	0.1
ZNF268	1	10.0	5.3	4.7	0.6
GOLGA3	0	7.7	4.0	3.8	0.2
PABPC4	6	32.4	11.8	20.6	-8.9
CERS4	4	16.2	5.6	10.5	-4.9
MCOLN1	8	21.6	5.6	16.0	-10.4
USP48	1	69.9	63.5	6.4	57.2
EFNB1	0	12.8	4.8	8.0	-3.2
PDPR	0	12.1	6.9	5.2	1.7
AARS	0	10.0	5.2	4.8	0.4
GLG1	0	10.0	5.8	4.2	1.5
KIF4A	5	14.6	5.6	8.9	-3.3
TNRC6A	1	59.8	54.2	5.6	48.6
PLEKHG2	1	12.5	8.2	4.3	4.0
NAT14	0	7.5	3.6	3.9	-0.3
EXOC1	1	26.6	22.6	4.1	18.5
RBM27	1	41.1	34.0	7.1	26.9
OSBPL8	1	37.3	32.9	4.4	28.5
DTX2	0	8.4	3.4	5.0	-1.6
PUS7	1	21.8	16.5	5.2	11.3
NRCAM	0	12.2	2.8	9.5	-6.7
LAMB1	1	14.5	10.5	4.0	6.4
DLD	1	78.7	72.4	6.3	66.1
WDR7	0	7.1	2.5	4.6	-2.1
TXNL1	0	6.0	2.6	3.4	-0.7
CMTM6	1	17.8	15.2	2.6	12.5
ITGA6	0	6.2	2.0	4.2	-2.1
AC013461.	1	12.7	8.2	4.5	3.7
FH	5	11.5	3.0	8.5	-5.5
SEL1L3	0	12.1	5.2	6.9	-1.7
TF	4	25.6	16.7	8.9	7.8
CDV3	1	49.5	46.1	3.4	42.7
ALKBH5	0	11.7	4.8	6.8	-2.0
APOH	4	26.7	17.7	9.0	8.7
SPAG7	0	10.6	5.2	5.4	-0.2
ORC6	5	14.2	4.1	10.1	-6.0
ZC3HC1	0	12.1	5.0	7.2	-2.2
TMEM101	2	22.1	9.2	12.9	-3.7
CCDC80	3	16.9	8.7	8.2	0.4
PSME1	3	10.3	3.5	6.8	-3.3
PPP2R3C	1	28.7	22.6	6.1	16.5
HAUS4	5	8.4	1.5	6.8	-5.3

OSGEP	0	6.6	2.2	4.4	-2.2
RNF31	0	6.1	2.9	3.2	-0.3
SCFD1	1	97.3	89.4	7.8	81.6
G2E3	1	38.8	29.9	9.0	20.9
HECTD1	1	84.5	78.4	6.2	72.2
HNRNPC	0	14.3	4.2	10.1	-6.0
SUPT16H	1	58.0	51.8	6.2	45.6
TOX4	0	8.7	4.2	4.6	-0.4
GEMIN2	1	19.9	12.2	7.7	4.5
TINF2	6	6.4	1.2	5.3	-4.1
TRPM7	1	35.5	31.9	3.6	28.3
TYRO3	4	10.4	2.9	7.5	-4.7
WDR76	7	9.7	1.5	8.2	-6.7
SNAP23	1	73.2	62.1	11.1	51.1
PHGDH	0	6.7	3.0	3.7	-0.7
EZR	5	12.4	2.9	9.5	-6.6
MYL6	3	13.2	5.5	7.8	-2.3
AGO1	0	10.1	5.5	4.6	0.8
CLSPN	7	31.7	7.1	24.6	-17.5
RFFL	4	12.7	5.2	7.5	-2.4
UNC13D	0	5.2	1.9	3.2	-1.3
MFSD11	6	21.5	4.2	17.3	-13.1
DPYSL2	0	8.4	3.5	4.9	-1.3
TGFB2	3	18.7	9.5	9.3	0.2
NUP50	1	13.6	7.7	5.9	1.8
CDC45	5	20.1	9.2	10.9	-1.7
COMT	0	5.9	2.6	3.3	-0.7
ECHDC1	1	54.0	47.1	6.9	40.2
LRRFIP2	1	16.3	11.3	5.0	6.3
SEC22C	0	8.2	3.8	4.4	-0.6
XYLB	4	15.5	4.8	10.7	-5.9
HDAC6	0	5.8	2.2	3.6	-1.4
CDC6	5	25.1	9.9	15.2	-5.3
UPRT	0	8.2	3.0	5.2	-2.2
CDC23	7	16.1	1.8	14.3	-12.5
AAAS	0	16.2	6.8	9.4	-2.6
CBX5	1	15.7	12.0	3.7	8.3
SUCO	1	21.1	18.6	2.5	16.1
MSH2	1	65.3	54.6	10.7	44.0
MAP3K1	0	5.7	1.8	3.9	-2.2
DHPS	8	15.5	5.5	10.0	-4.5
HOOK2	8	7.4	1.1	6.3	-5.1
ARCN1	1	26.4	22.6	3.8	18.8
TMEM38B	1	18.6	12.6	6.1	6.5
PSMD5	1	10.4	7.1	3.4	3.7
NUP188	10	13.5	1.6	11.9	-10.3
CRAT	10	15.0	1.7	13.3	-11.7
NANS	10	15.7	3.6	12.1	-8.5
TBC1D2	3	10.8	3.4	7.4	-4.0
CWF19L1	5	16.1	3.2	12.9	-9.6
SEMA4G	4	26.5	13.7	12.8	0.8
BTAF1	1	33.1	29.6	3.4	26.2
IKZF5	1	13.2	9.7	3.5	6.3
BAMBI	4	7.5	2.3	5.2	-2.9

WAC	1	71.6	67.7	3.9	63.9
CREM	1	6.1	3.4	2.6	0.8
NUBP2	12	21.1	4.5	16.7	-12.2
FKBP5	0	7.6	2.6	4.9	-2.3
SRPK1	1	48.8	42.3	6.5	35.9
BRPF3	0	10.3	5.2	5.1	0.1
MRPS18A	11	29.9	2.1	27.8	-25.7
TMEM14A	0	7.9	2.9	5.0	-2.0
EFHC1	0	9.5	3.4	6.1	-2.6
HSP90AB1	5	8.6	1.6	7.0	-5.5
CDC5L	1	36.2	29.9	6.3	23.6
ITPR3	3	20.0	7.9	12.1	-4.2
DSP	4	12.9	5.1	7.8	-2.7
SIRT1	1	24.7	18.6	6.1	12.5
HNRNPH3	1	110.8	102.1	8.7	93.4
IFT74	1	9.3	6.2	3.1	3.1
ABL1	10	17.2	3.1	14.1	-11.1
ACOT7	0	12.8	5.1	7.8	-2.7
SH3GLB1	1	29.7	24.7	5.1	19.6
CDC7	1	34.4	26.5	7.8	18.7
SCD	4	8.4	2.7	5.6	-2.9
TMED1	2	14.0	3.8	10.2	-6.5
ABLIM1	0	6.8	1.9	4.9	-3.0
ERMP1	0	7.3	3.1	4.2	-1.1
RAB18	1	89.8	82.1	7.7	74.5
NRP1	3	14.3	6.4	7.9	-1.5
PRTFDC1	0	4.8	1.8	3.0	-1.2
TSPAN15	0	10.6	4.4	6.2	-1.8
H2AFY2	0	8.9	4.3	4.6	-0.3
FAM21A	0	6.5	2.9	3.5	-0.6
MZF1	0	13.1	6.2	6.9	-0.7
OCEL1	2	14.8	4.6	10.2	-5.6
MYO9B	3	12.4	3.6	8.8	-5.2
PSMD8	0	9.5	4.4	5.1	-0.7
FBXL19	11	21.4	5.1	16.2	-11.1
HSD3B7	0	20.5	6.8	13.7	-6.9
SETD1A	11	32.3	5.3	27.1	-21.8
BCL7C	11	31.4	4.4	27.0	-22.5
CIRBP	8	10.7	2.1	8.6	-6.5
ATP5D	8	19.2	5.2	14.0	-8.8
HNRNPM	1	37.4	23.4	14.0	9.5
NDUFB7	8	27.7	10.1	17.5	-7.4
TECR	8	13.9	4.6	9.3	-4.7
TIMM13	8	17.1	3.3	13.8	-10.5
CDC34	0	13.5	5.0	8.5	-3.5
MTAP	0	4.6	1.9	2.7	-0.9
CEP170B	2	24.3	9.9	14.4	-4.4
POLR2E	8	15.0	4.6	10.4	-5.8
POLRMT	8	15.5	2.8	12.8	-10.0
RASSF7	4	19.5	4.6	14.8	-10.2
GADD45B	3	16.6	8.5	8.0	0.5
MKNK2	0	8.2	3.5	4.8	-1.3
ARVCF	0	14.3	6.0	8.2	-2.2
TRMT2A	0	10.2	4.3	5.9	-1.6

RANBP1	5	19.0	6.4	12.6	-6.2
ZDHHC8	0	9.8	4.1	5.7	-1.6
KLHL22	0	11.9	5.2	6.7	-1.5
MED15	3	21.2	10.9	10.3	0.6
SNAP29	0	6.2	2.7	3.5	-0.9
CRKL	0	11.6	5.0	6.6	-1.6
LZTR1	0	7.7	3.8	3.9	-0.1
SMARCB1	6	14.2	2.4	11.8	-9.4
BCL2L13	3	10.1	3.9	6.1	-2.2
DDT	5	9.8	1.8	8.0	-6.2
CABIN1	0	12.9	5.6	7.3	-1.7
TBC1D10A	3	21.3	6.5	14.8	-8.3
SF3A1	0	12.5	5.4	7.1	-1.7
RNF215	3	13.5	4.0	9.5	-5.5
SEC14L2	3	22.2	10.8	11.4	-0.6
SPECC1L	0	13.5	4.8	8.7	-3.9
PPIL2	0	13.6	5.1	8.4	-3.3
SNRPD3	1	20.4	13.4	7.0	6.3
PES1	0	17.8	7.2	10.6	-3.4
MAPK1	1	14.9	9.1	5.8	3.4
GGT1	4	9.5	3.1	6.4	-3.3
PPM1F	0	12.3	5.2	7.1	-1.8
TOP3B	8	16.5	2.4	14.2	-11.8
DGCR14	2	28.0	12.6	15.3	-2.7
CARD10	0	12.9	4.7	8.2	-3.5
SLC25A1	4	16.0	4.3	11.8	-7.5
GGA1	8	14.9	2.1	12.8	-10.7
HIRA	2	20.0	5.8	14.2	-8.4
SH3BP1	0	6.7	3.1	3.6	-0.5
LGALS1	3	10.1	4.7	5.4	-0.7
HPS4	0	9.8	4.5	5.4	-0.9
SRRD	0	10.6	4.7	5.9	-1.2
PATZ1	2	23.4	7.8	15.5	-7.7
TRIOBP	3	21.6	10.4	11.1	-0.7
TFIP11	0	9.1	4.5	4.6	0.0
GCAT	2	17.9	7.5	10.4	-2.8
ANKRD54	2	17.2	5.7	11.5	-5.8
EIF3L	1	22.1	14.0	8.1	5.9
SNU13	6	14.1	2.8	11.3	-8.5
MICALL1	3	11.4	4.3	7.0	-2.7
POLR2F	0	15.8	6.5	9.3	-2.8
CCDC134	2	20.7	8.4	12.3	-3.9
DEPDC5	0	6.9	2.0	4.8	-2.8
PICK1	2	19.7	7.0	12.7	-5.7
TTC28	0	10.1	5.2	4.9	0.3
CENPM	5	21.4	8.0	13.4	-5.3
KDELR3	0	6.4	3.1	3.2	-0.1
DDX17	1	22.0	17.2	4.8	12.4
TCF20	0	11.1	5.5	5.6	-0.1
HSCB	0	9.2	4.0	5.2	-1.2
CBY1	0	15.4	6.5	8.8	-2.3
TOMM22	5	17.4	3.3	14.2	-10.9
XBP1	4	16.3	7.0	9.3	-2.3
RTCB	0	11.9	5.2	6.7	-1.5

JOSD1	0	13.7	5.6	8.1	-2.4
FBXO7	0	10.7	5.0	5.7	-0.7
GTPBP1	0	17.6	7.6	10.0	-2.4
POLDIP3	8	15.8	2.0	13.8	-11.9
TIMP3	0	5.9	2.8	3.1	-0.3
PPP6R2	4	18.4	4.9	13.5	-8.7
SBF1	2	17.6	6.0	11.6	-5.5
SUN2	3	11.3	3.7	7.6	-3.9
CYB5R3	3	12.7	4.0	8.7	-4.6
DNAL4	2	28.6	9.3	19.3	-10.0
LMF2	3	17.9	4.9	13.0	-8.2
RHBDD3	2	16.7	5.3	11.4	-6.2
PACSIN2	0	10.6	4.6	6.1	-1.5
AP1B1	2	20.6	6.1	14.5	-8.3
HMGXB4	0	13.0	4.5	8.5	-4.0
TOM1	4	13.6	3.6	10.0	-6.5
CHKB	0	7.6	3.9	3.7	0.2
HMOX1	0	7.7	2.9	4.7	-1.8
MCAT	2	36.2	17.8	18.4	-0.6
THOC5	0	11.9	5.6	6.2	-0.6
MCM5	5	27.0	18.3	8.8	9.5
ARSA	0	18.9	8.2	10.6	-2.4
TSPO	3	19.3	8.7	10.6	-1.9
TTLL12	0	15.9	5.8	10.1	-4.3
PDGFB	3	9.9	4.8	5.1	-0.4
RPL3	0	13.8	6.5	7.3	-0.8
ZMAT5	2	15.9	5.7	10.1	-4.4
RBFOX2	3	17.0	4.6	12.4	-7.8
SYNGR1	0	7.0	3.7	3.4	0.3
TAB1	0	8.6	4.1	4.5	-0.4
ASCC2	0	7.2	3.0	4.2	-1.3
MTMR3	0	14.2	7.4	6.7	0.7
MIEF1	0	15.9	6.7	9.2	-2.5
APOL1	3	17.9	10.0	7.9	2.1
PNPLA3	0	9.9	4.3	5.7	-1.4
MYH9	3	29.0	21.2	7.8	13.4
SAMM50	0	10.8	4.6	6.1	-1.5
TXN2	0	13.9	5.9	8.0	-2.0
FOXRED2	0	12.3	5.4	6.9	-1.6
EIF3D	0	11.6	4.8	6.8	-2.0
TNRC6B	0	7.9	4.1	3.8	0.2
SGSM3	0	9.2	5.0	4.2	0.9
IFT27	3	13.0	4.5	8.5	-3.9
KIAA0930	0	8.6	4.1	4.5	-0.4
SLC25A17	0	8.9	3.4	5.5	-2.2
FAM118A	0	5.4	2.3	3.1	-0.8
KCTD17	0	10.9	5.3	5.5	-0.2
ST13	1	35.8	29.9	5.8	24.1
RBX1	0	11.3	3.9	7.4	-3.5
EP300	1	20.3	11.8	8.5	3.4
L3MBTL2	2	26.0	11.7	14.3	-2.6
RANGAP1	0	19.3	6.5	12.8	-6.3
ZC3H7B	0	19.1	7.3	11.8	-4.5
PHF5A	5	15.7	2.9	12.8	-10.0

ACO2	2	16.1	5.6	10.6	-5.0
POLR3H	0	11.8	5.5	6.3	-0.8
TRMU	0	10.6	4.4	6.1	-1.7
PMM1	0	7.0	3.8	3.2	0.6
DESI1	0	9.6	3.9	5.7	-1.8
CERK	0	8.6	3.9	4.7	-0.8
BRD1	0	12.0	5.7	6.3	-0.6
ZBED4	0	13.1	6.3	6.9	-0.6
HDAC10	2	20.4	7.3	13.1	-5.7
ABHD4	6	8.3	1.4	7.0	-5.6
KHNYN	0	6.6	3.6	3.1	0.5
FKBP3	1	47.5	40.7	6.7	34.0
SDR39U1	0	9.4	4.2	5.1	-0.9
RBM23	3	6.6	2.0	4.6	-2.6
PRMT5	6	26.7	10.3	16.4	-6.1
COCH	0	9.7	3.7	6.0	-2.4
POLE2	7	24.3	4.0	20.3	-16.2
SOS2	1	20.7	18.1	2.6	15.5
CDKL1	0	6.5	2.3	4.2	-1.8
NIN	1	21.0	15.4	5.6	9.8
PYGL	0	8.6	3.0	5.6	-2.7
PSMC6	1	89.9	84.5	5.4	79.2
GNPNAT1	6	36.9	4.4	32.4	-28.0
CDKN3	7	29.7	5.9	23.8	-17.9
CNIH1	1	19.4	15.7	3.7	12.0
CGRRF1	6	28.3	3.8	24.5	-20.7
ATP6V1D	1	34.3	28.4	5.9	22.5
C14orf105	0	7.5	2.2	5.3	-3.1
PLEK2	0	6.5	2.6	3.8	-1.2
PIGH	0	9.6	3.1	6.5	-3.4
PSMA3	1	106.1	98.1	8.1	90.0
VTI1B	6	27.4	4.0	23.5	-19.5
TIMM9	1	40.6	31.5	9.1	22.4
GSTZ1	0	7.9	3.2	4.6	-1.4
KIAA0586	1	16.2	10.9	5.3	5.5
AHSA1	6	28.2	7.3	20.9	-13.5
DAAM1	1	18.6	15.5	3.1	12.4
SPTLC2	1	11.2	6.4	4.8	1.6
RIN3	3	11.7	3.5	8.2	-4.7
LGMN	0	5.0	2.2	2.7	-0.5
ALKBH1	0	14.4	6.2	8.1	-1.9
SNW1	1	105.8	98.3	7.5	90.8
ITPK1	0	8.4	3.3	5.1	-1.9
DHRS7	4	7.0	1.8	5.2	-3.3
PPM1A	1	30.0	26.3	3.7	22.6
ERH	1	72.1	63.2	8.9	54.2
HIF1A	1	45.2	38.0	7.2	30.8
SUSD6	0	10.3	5.7	4.6	1.0
SRSF5	1	52.6	49.1	3.5	45.6
EIF5	1	59.1	54.2	4.9	49.3
DICER1	1	41.8	36.3	5.5	30.8
ZFYVE21	0	8.3	3.5	4.8	-1.2
MTHFD1	5	14.6	5.7	8.9	-3.2
ZC3H14	1	64.7	56.9	7.8	49.1

TELO2	12	19.4	2.9	16.5	-13.6
PCNX	1	16.4	11.8	4.6	7.2
GSKIP	1	22.6	19.1	3.5	15.6
VRK1	7	47.7	7.0	40.7	-33.7
PSMC1	1	24.7	20.3	4.5	15.8
PPP4R3A	1	53.3	48.3	5.0	43.3
C14orf93	2	12.8	4.5	8.3	-3.9
PSMB5	0	11.2	3.9	7.3	-3.4
YY1	1	59.0	52.3	6.7	45.5
ACIN1	1	10.7	5.7	5.0	0.7
CCNB1IP1	0	12.8	5.1	7.7	-2.6
TRIP11	1	24.7	20.0	4.6	15.4
APEX1	0	9.2	3.1	6.1	-3.1
PABPN1	1	11.1	5.8	5.4	0.4
ARHGAP5	1	42.5	39.5	3.1	36.4
CINP	2	10.9	3.3	7.6	-4.3
SRP54	1	111.9	103.8	8.2	95.6
CHD8	1	13.1	9.7	3.4	6.4
PCK2	0	10.4	4.0	6.3	-2.3
KIAA0391	0	7.7	3.1	4.7	-1.6
DCAF11	4	11.2	2.6	8.6	-5.9
PSMA6	0	7.8	2.4	5.4	-3.0
NFKBIA	0	6.8	2.7	4.0	-1.3
EMC9	2	16.7	7.0	9.7	-2.7
PSME2	0	6.7	2.2	4.4	-2.2
BRMS1L	1	20.3	15.4	4.9	10.5
TM9SF1	0	9.4	4.4	5.0	-0.6
SEC23A	1	37.6	33.8	3.8	30.0
GMPR2	6	21.9	5.0	16.9	-11.9
PNN	1	89.9	84.3	5.7	78.6
RABGGTA	2	13.0	4.0	9.0	-5.0
PLTP	1	12.1	6.3	5.8	0.5
PCIF1	2	19.8	6.9	12.9	-6.0
GSS	2	19.4	8.0	11.4	-3.4
TRPC4AP	0	12.8	6.2	6.7	-0.5
PYGB	3	12.4	5.0	7.4	-2.5
ABHD12	3	11.1	4.1	7.0	-2.9
PROCR	0	6.8	2.3	4.5	-2.2
GINS1	5	16.0	6.3	9.7	-3.4
NINL	0	8.5	3.2	5.3	-2.1
UQCC1	1	7.1	3.7	3.4	0.2
ZMYND8	1	13.3	10.1	3.2	6.9
SGK2	4	18.1	7.5	10.6	-3.1
IFT52	6	26.0	3.5	22.5	-18.9
MYBL2	5	25.9	15.5	10.3	5.2
HNF4A	4	31.3	20.2	11.1	9.2
NDRG3	0	8.3	3.9	4.4	-0.5
C20orf24	4	20.6	6.0	14.6	-8.5
PABPC1L	1	7.9	5.0	2.9	2.1
STK4	1	19.1	13.3	5.8	7.4
ADNP	1	27.8	23.8	4.0	19.8
PFDN4	1	26.2	20.4	5.8	14.5
CSTF1	1	25.7	16.8	8.9	7.8
RAE1	0	14.1	4.9	9.2	-4.3

TPD52L2	0	10.0	4.4	5.6	-1.2
DNAJC5	2	23.3	9.5	13.8	-4.4
NELFCD	0	14.6	5.9	8.7	-2.7
CTSZ	0	10.5	4.6	5.9	-1.4
PRPF6	2	18.1	7.0	11.1	-4.1
PRELID3B	1	38.5	33.6	4.8	28.8
MTG2	2	16.1	6.4	9.7	-3.3
PSMA7	0	11.9	4.4	7.5	-3.1
MRGBP	2	18.7	7.0	11.7	-4.7
TCFL5	0	10.3	3.7	6.6	-2.9
DIDO1	0	12.6	6.3	6.3	-0.1
GID8	0	13.0	6.4	6.6	-0.1
SLC17A9	4	15.0	5.7	9.2	-3.5
ARFGAP1	0	9.9	5.1	4.9	0.2
EEF1A2	0	7.6	2.9	4.7	-1.8
GMEB2	2	45.3	22.8	22.4	0.4
C20orf27	5	16.6	4.1	12.4	-8.3
CDC25B	3	11.8	5.1	6.7	-1.5
RNF24	0	9.4	4.5	4.9	-0.4
ARFRP1	2	14.5	4.9	9.6	-4.7
NDUFAF5	6	14.5	2.5	12.0	-9.5
TRIB3	0	10.1	3.9	6.2	-2.3
CSNK2A1	1	13.3	8.8	4.5	4.3
CDS2	0	7.8	3.7	4.0	-0.3
HM13	0	12.0	5.1	6.8	-1.7
SEC23B	1	8.5	4.1	4.4	-0.3
MYL9	0	7.6	2.4	5.2	-2.8
TM9SF4	0	10.6	5.7	5.0	0.7
CRNKL1	1	34.8	28.4	6.4	22.0
POFUT1	0	8.8	4.9	3.9	1.0
SAMHD1	0	5.0	2.0	3.0	-1.0
KIF3B	1	8.4	5.2	3.2	2.0
NOP56	5	20.9	3.6	17.3	-13.6
MANBAL	0	12.6	4.9	7.7	-2.7
IDH3B	0	12.1	5.0	7.2	-2.2
MAPRE1	1	29.4	23.2	6.2	16.9
JAG1	0	8.1	3.6	4.6	-1.0
CDK5RAP1	6	17.4	2.8	14.7	-11.9
SNTA1	0	14.7	6.7	8.0	-1.3
TTI1	0	13.8	5.8	8.0	-2.1
E2F1	5	18.9	6.1	12.8	-6.7
RPRD1B	0	13.4	4.2	9.2	-5.0
PXMP4	2	11.7	3.8	7.9	-4.2
CHMP4B	3	17.5	6.6	10.9	-4.3
CST3	0	10.8	4.5	6.4	-1.9
ACTR5	2	25.2	11.0	14.2	-3.1
AHCY	5	23.0	4.7	18.2	-13.5
FAM83D	5	21.2	11.1	10.1	1.0
DHX35	0	17.7	7.4	10.3	-2.9
DNTTIP1	0	12.6	5.2	7.5	-2.3
MAP1LC3A	0	14.1	5.3	8.8	-3.5
PIGU	2	20.2	6.5	13.7	-7.2
ACOT8	2	25.0	11.4	13.6	-2.2
APMAP	0	7.1	3.7	3.4	0.3

ZNF516	0	6.1	2.7	3.5	-0.8
ADNP2	0	6.0	2.9	3.0	-0.1
RBFA	0	12.7	5.4	7.3	-1.9
USP14	7	8.8	0.9	7.9	-7.0
VAPA	1	9.0	5.5	3.5	2.0
METTL4	1	15.5	11.9	3.6	8.4
LPIN2	0	9.6	4.3	5.3	-1.0
SMCHD1	1	43.5	39.4	4.1	35.2
MYL12A	1	20.4	14.9	5.5	9.4
CEP76	7	10.8	1.1	9.7	-8.6
CEP192	1	20.5	16.1	4.3	11.8
RNMT	1	25.1	22.6	2.5	20.2
SMAD7	0	7.4	2.5	4.9	-2.3
LIPG	3	7.7	3.0	4.7	-1.7
POLI	1	16.2	12.8	3.4	9.4
MIB1	1	24.3	20.7	3.6	17.2
RBBP8	1	21.5	18.0	3.5	14.5
RIOK3	1	18.7	15.5	3.2	12.3
CSTF2	0	13.1	5.2	7.9	-2.7
PSMD10	1	13.2	8.5	4.7	3.8
ATG4A	0	6.7	3.0	3.7	-0.7
TBL1X	0	5.6	2.5	3.1	-0.6
PGRMC1	1	11.4	7.9	3.5	4.4
POLA1	7	17.1	2.9	14.1	-11.2
MID1	1	11.9	7.1	4.8	2.2
NKAP	0	10.7	4.1	6.6	-2.4
NXT2	1	7.2	4.3	2.8	1.5
ALG13	1	26.2	22.8	3.4	19.4
PRPS2	0	8.6	2.3	6.4	-4.1
MOSPD1	1	12.4	6.9	5.5	1.4
AMMECR1	1	4.9	2.6	2.3	0.3
WDR13	3	10.6	3.0	7.6	-4.6
SUV39H1	0	14.9	5.6	9.3	-3.7
SRPX	3	12.5	5.6	6.9	-1.3
XIAP	1	23.0	19.8	3.2	16.6
STAG2	1	42.2	39.0	3.2	35.8
ATP11C	1	14.7	11.7	3.0	8.8
ABCD1	0	12.5	5.0	7.5	-2.5
CCDC22	2	24.3	9.1	15.2	-6.0
PLP2	3	11.6	4.6	7.0	-2.4
PLS3	1	16.9	14.0	2.9	11.1
NAA10	0	14.8	6.1	8.7	-2.6
ELF4	0	7.2	3.2	3.9	-0.7
SMARCA1	1	16.5	12.6	3.9	8.7
ASB9	0	8.8	3.5	5.3	-1.9
RBBP7	1	28.5	24.8	3.7	21.2
SLC25A14	0	7.8	3.3	4.5	-1.1
FMR1	1	33.7	29.7	3.9	25.8
PIM2	2	17.0	6.7	10.3	-3.6
SLC35A2	0	9.7	4.8	4.9	-0.1
PQBP1	0	9.2	4.3	4.9	-0.6
EMD	3	16.6	5.8	10.7	-4.9
TAZ	0	8.5	4.2	4.3	-0.1
PGK1	0	10.0	4.2	5.8	-1.5

MAGT1	0	7.8	2.8	5.0	-2.2
SMS	7	12.6	1.2	11.4	-10.2
UBL4A	9	19.8	1.5	18.4	-16.9
CD99L2	3	22.7	10.9	11.8	-1.0
EEA1	1	21.5	16.4	5.1	11.2
RP2	1	11.7	7.8	3.9	3.9
JADE3	0	8.1	2.8	5.3	-2.5
CDK16	0	9.1	4.8	4.3	0.4
USP11	0	7.7	3.4	4.3	-1.0
HTATSF1	1	17.3	13.5	3.9	9.6
TIMP1	0	5.9	2.3	3.6	-1.3
GABRE	0	6.8	2.5	4.4	-1.9
PIN4	1	18.1	12.3	5.8	6.6
PORCN	3	13.4	7.5	5.9	1.6
MAGED2	0	7.2	3.3	3.9	-0.6
RBM3	1	14.8	9.3	5.5	3.8
SRPX2	3	12.4	4.5	7.9	-3.4
SYTL4	0	8.3	3.5	4.8	-1.3
CENPI	7	15.1	2.7	12.4	-9.7
PBDC1	0	6.5	2.2	4.3	-2.2
GLA	0	11.3	4.9	6.4	-1.5
ARMCX3	0	6.7	3.4	3.4	0.0
NDFIP2	1	18.0	14.4	3.6	10.8
FNDC3A	1	25.9	23.2	2.7	20.6
CDADC1	0	7.5	3.1	4.5	-1.4
KLF5	4	11.1	3.8	7.2	-3.4
STK24	0	8.0	4.0	4.0	0.1
DNAJC3	1	9.3	5.8	3.5	2.3
UGGT2	1	15.4	12.4	3.0	9.4
ARHGEF7	0	9.4	5.1	4.3	0.9
PARP4	0	9.5	3.0	6.5	-3.5
SUPT20H	1	17.2	13.4	3.8	9.5
MRPS31	1	16.0	9.5	6.6	2.9
SLC25A15	0	13.0	5.2	7.8	-2.6
KPNA3	1	33.6	27.1	6.5	20.5
VWA8	0	7.9	2.5	5.4	-2.9
KATNAL1	0	14.9	2.4	12.4	-10.0
INTS6	1	27.6	24.6	3.0	21.7
TSC22D1	0	8.3	2.9	5.4	-2.5
CLN5	0	5.8	2.2	3.6	-1.3
MGRN1	0	16.8	6.5	10.3	-3.9
ZNF629	11	22.3	3.3	19.0	-15.7
TRADD	2	39.4	18.3	21.1	-2.8
HSF4	0	7.1	3.3	3.9	-0.6
MAPK3	11	8.1	1.3	6.8	-5.5
PHKB	1	8.2	5.0	3.2	1.8
LYRM1	0	7.0	2.3	4.6	-2.3
NUTF2	0	15.6	6.9	8.8	-1.9
NUP93	0	13.2	5.8	7.5	-1.7
CENPT	2	18.1	6.3	11.8	-5.5
NFAT5	1	17.4	12.5	4.9	7.7
LONP2	0	7.2	3.6	3.6	0.0
N4BP1	1	16.4	9.7	6.7	3.0
ARL2BP	6	18.1	5.2	12.9	-7.7

PLLP	6	9.3	2.0	7.4	-5.4
DHODH	2	20.6	9.5	11.1	-1.6
CTCF	0	14.3	6.3	7.9	-1.6
ACD	2	23.4	9.9	13.5	-3.5
POLR2C	0	13.4	6.3	7.1	-0.9
MMP15	2	21.3	7.3	14.0	-6.7
USB1	3	14.1	4.4	9.7	-5.3
CYB5B	0	6.4	2.5	3.9	-1.4
NME3	2	13.1	4.2	8.9	-4.6
NDRG4	0	5.5	2.7	2.8	-0.1
PSMD7	0	10.9	3.7	7.2	-3.5
SETD6	2	10.0	3.6	6.4	-2.8
SLC38A7	2	17.0	5.9	11.1	-5.2
VAC14	2	15.6	6.1	9.4	-3.3
TANGO6	0	9.5	4.2	5.3	-1.0
COG4	2	15.6	6.4	9.2	-2.7
SLC7A6OS	0	11.0	5.6	5.4	0.2
SLC7A6	0	10.8	4.3	6.5	-2.2
PLA2G15	0	15.6	6.5	9.1	-2.5
WDR59	6	16.5	3.3	13.2	-9.9
MON1B	0	15.2	7.2	8.0	-0.8
CMC2	7	14.2	2.2	12.0	-9.8
AXIN1	12	16.6	3.3	13.4	-10.1
HCFC1R1	0	7.1	2.9	4.2	-1.2
NPRL3	12	9.9	2.4	7.5	-5.1
MPG	12	9.3	1.8	7.5	-5.7
HSDL1	1	20.6	12.6	8.0	4.6
TAF1C	0	7.5	3.7	3.8	-0.1
NAGPA	12	21.1	2.0	19.1	-17.0
COTL1	0	5.7	2.4	3.4	-1.0
USP10	6	22.1	2.8	19.3	-16.5
TSC2	0	6.9	3.4	3.5	-0.1
ZNF500	11	14.6	1.2	13.4	-12.2
NME4	0	6.7	3.2	3.5	-0.4
ABCC1	3	10.7	3.1	7.6	-4.4
NOMO3	0	9.8	3.6	6.2	-2.6
NARFL	12	26.1	4.9	21.2	-16.3
MTHFSD	0	10.0	4.3	5.7	-1.4
CLCN7	0	11.8	5.5	6.3	-0.9
HAGHL	2	11.6	3.9	7.6	-3.7
FAM173A	12	28.7	3.3	25.4	-22.1
SLC7A5	0	6.0	1.8	4.1	-2.3
METRN	0	10.9	4.2	6.6	-2.4
FBXO31	0	16.7	7.6	9.1	-1.5
STUB1	12	13.5	2.5	11.0	-8.6
NUBP1	0	10.4	3.4	7.0	-3.6
UBE2I	6	17.3	3.6	13.7	-10.1
EEF2K	0	10.5	3.9	6.6	-2.6
CAPN15	12	14.0	2.1	11.9	-9.8
PIEZO1	0	10.4	4.4	6.0	-1.6
GSPT1	1	22.6	16.8	5.8	11.1
ZNF174	12	22.7	4.4	18.3	-13.9
CLUAP1	1	20.5	14.6	5.9	8.7
UBFD1	0	8.8	4.1	4.7	-0.6

EARS2	12	12.9	2.1	10.8	-8.8
TCEB2	0	6.4	2.4	3.9	-1.5
GGA2	1	15.9	10.5	5.5	5.0
CPPED1	0	9.8	3.8	6.1	-2.3
HMOX2	12	8.9	1.7	7.2	-5.5
DNAJA3	12	14.0	1.6	12.4	-10.8
BFAR	1	7.2	3.7	3.5	0.2
RBL2	1	13.7	10.1	3.7	6.4
QPRT	4	10.0	2.9	7.1	-4.3
MAZ	11	12.5	2.0	10.5	-8.5
STX4	11	14.7	2.7	12.0	-9.3
CDIPT	11	16.9	3.6	13.2	-9.6
BCKDK	11	18.7	4.3	14.4	-10.1
KAT8	11	18.2	4.1	14.1	-10.0
NOMO1	0	10.9	4.9	6.0	-1.2
CCP110	1	19.0	14.3	4.8	9.5
C16orf62	0	6.2	2.3	3.9	-1.6
RNF40	11	11.8	2.7	9.1	-6.4
KNOP1	0	7.0	2.7	4.3	-1.5
AAGAB	1	8.0	4.2	3.8	0.4
LACTB	1	17.2	9.1	8.1	1.0
CSK	4	13.4	3.2	10.2	-6.9
HERC1	1	20.5	17.3	3.2	14.1
TRIP4	1	9.6	6.5	3.1	3.4
MTFMT	0	9.1	3.9	5.2	-1.3
RAB11A	1	14.4	10.5	3.9	6.6
CTSH	0	12.0	3.8	8.2	-4.4
TTC23	4	8.3	2.7	5.6	-3.0
CD276	0	7.1	4.1	3.1	1.0
FAH	0	11.6	5.1	6.5	-1.4
RPAP1	4	17.3	5.2	12.2	-7.0
HOMER2	0	6.5	3.3	3.3	0.0
EHD4	0	11.1	4.0	7.2	-3.2
TMEM87A	1	34.4	30.3	4.1	26.2
ZNF106	1	18.1	13.3	4.8	8.5
DTWD1	1	12.1	9.3	2.8	6.5
GABPB1	1	12.1	8.2	4.0	4.2
TJP1	1	28.4	24.7	3.7	21.1
BMF	0	10.5	3.4	7.1	-3.7
DMXL2	1	26.9	22.7	4.3	18.4
DNAJC17	0	8.7	3.4	5.3	-1.8
EIF3J	1	80.1	71.7	8.4	63.3
SPG11	1	21.8	17.7	4.1	13.6
VPS18	2	21.6	7.0	14.6	-7.6
OIP5	5	15.3	3.3	12.0	-8.6
BLOC1S6	1	69.9	66.6	3.3	63.3
CSPP1	1	14.1	10.7	3.4	7.4
ZDHHC2	1	21.9	12.6	9.3	3.2
BRF2	2	14.3	5.3	9.0	-3.7
TRIM35	2	14.6	6.0	8.6	-2.7
ZFAND1	1	22.4	18.9	3.5	15.4
INTS9	2	13.8	5.0	8.9	-3.9
RIPK2	0	7.1	2.4	4.6	-2.2
NBN	1	43.3	40.2	3.2	37.0

CPQ	0	8.1	3.8	4.3	-0.5
DECR1	0	6.8	2.3	4.5	-2.2
IMPAD1	1	28.8	24.7	4.1	20.6
LAPTM4B	0	4.5	1.8	2.7	-0.8
UBE2W	1	9.4	6.6	2.7	3.9
POP1	0	7.2	2.6	4.6	-2.0
IKBKB	0	7.5	2.8	4.7	-1.9
STK3	1	11.8	8.3	3.4	4.9
GDAP1	1	11.0	6.7	4.3	2.4
RAB2A	1	19.0	16.4	2.7	13.7
EIF3E	1	48.6	45.7	3.0	42.7
EMC2	1	39.3	36.0	3.4	32.6
NDRG1	0	8.6	4.0	4.6	-0.6
ZC2HC1A	1	19.2	14.3	5.0	9.3
ARMC1	1	10.6	7.5	3.1	4.3
SPAG1	0	4.9	1.4	3.5	-2.0
CHRAC1	1	9.3	4.8	4.5	0.3
UBR5	1	62.3	58.1	4.1	54.0
GSDMD	0	10.0	4.4	5.7	-1.3
TSTA3	13	10.1	1.4	8.7	-7.2
PYCRL	13	29.6	3.1	26.5	-23.4
EEF1D	13	6.3	0.6	5.7	-5.1
SQLE	1	7.2	3.8	3.5	0.3
SH2D4A	0	5.1	2.0	3.1	-1.1
INTS10	1	30.7	24.1	6.6	17.5
ERI1	7	8.3	0.9	7.4	-6.5
SLC39A14	4	9.4	2.5	6.9	-4.5
LEPROTL1	0	7.5	2.3	5.1	-2.8
DCTN6	1	15.5	12.6	2.9	9.8
R3HCC1	2	13.2	4.4	8.8	-4.5
GSR	0	12.3	4.1	8.2	-4.2
TNFRSF10A	0	9.2	3.7	5.4	-1.7
UBXN8	1	13.5	7.3	6.1	1.2
PPP2CB	1	16.2	10.6	5.6	5.0
ERICH1	0	5.3	2.5	2.9	-0.4
TUSC3	0	5.2	2.1	3.1	-1.0
KLHDC4	0	11.3	5.0	6.3	-1.3
MCM4	5	24.5	10.0	14.4	-4.4
KCTD9	1	9.9	6.3	3.6	2.7
ASAH1	1	10.8	7.2	3.6	3.6
BNIP3L	1	18.2	11.5	6.8	4.7
MAN2B1	8	14.4	4.0	10.5	-6.5
KCNN4	3	11.3	5.8	5.5	0.3
NUCB1	0	13.8	6.8	7.0	-0.1
GYS1	0	6.4	3.1	3.3	-0.2
ECH1	4	10.9	3.3	7.6	-4.2
HNRNPL	5	13.9	4.8	9.2	-4.4
NFKBIB	2	14.3	5.0	9.3	-4.3
SARS2	0	10.0	3.6	6.4	-2.8
SNRNP70	0	13.3	6.2	7.0	-0.8
CLPTM1	0	9.8	4.9	4.9	-0.1
RELB	0	14.0	5.6	8.4	-2.7
CLASRP	0	7.1	3.2	3.9	-0.8
LIN7B	2	11.9	4.4	7.6	-3.2

PPP1R37	0	16.2	5.8	10.4	-4.6
FCGRT	4	16.0	6.8	9.2	-2.4
PIH1D1	0	9.4	4.7	4.8	-0.1
ARHGEF18	8	14.9	3.9	11.0	-7.1
PPP1R13L	3	16.4	9.2	7.1	2.1
ERCC2	3	9.2	2.8	6.4	-3.6
DOT1L	8	14.0	4.7	9.3	-4.6
PLEKHJ1	8	19.0	6.3	12.7	-6.4
RNASEH2A	5	25.2	11.4	13.7	-2.3
SF3A2	8	10.6	2.6	8.0	-5.5
OAZ1	8	10.7	1.9	8.8	-6.9
TRMT1	8	13.6	3.3	10.3	-7.0
STX10	8	12.5	1.8	10.7	-8.9
DMPK	3	9.5	3.5	6.0	-2.6
TBC1D17	0	11.7	6.5	5.2	1.3
CCDC130	8	19.0	5.9	13.0	-7.1
PTOV1	0	8.6	5.0	3.6	1.4
AES	6	8.2	1.5	6.7	-5.1
SGTA	8	32.5	13.0	19.5	-6.5
MED25	0	12.8	6.4	6.3	0.1
SNAPC2	0	11.8	4.9	6.9	-2.0
C19orf53	8	11.1	3.1	8.0	-4.9
TIMM44	0	14.6	5.0	9.6	-4.6
CCDC61	2	22.0	9.5	12.5	-2.9
ASF1B	5	20.2	6.8	13.4	-6.5
TNNT1	0	5.6	2.1	3.5	-1.4
VRK3	0	14.7	6.2	8.5	-2.3
FAM32A	8	9.5	2.4	7.2	-4.8
PPP6R1	0	14.9	7.0	8.0	-1.0
OLFM2	0	6.7	3.3	3.4	-0.1
AKAP8	8	19.6	4.7	15.0	-10.3
ILVBL	8	20.8	5.3	15.4	-10.1
SYDE1	3	18.5	6.6	12.0	-5.4
POP4	0	7.1	3.0	4.1	-1.1
CCNE1	0	8.6	3.1	5.5	-2.3
URI1	1	37.9	34.6	3.2	31.4
PDCD5	1	48.3	42.1	6.2	35.9
ANKRD27	0	9.4	2.8	6.6	-3.8
RPS16	0	8.1	4.1	4.0	0.1
TIMM50	5	14.0	3.3	10.7	-7.4
FBL	5	16.1	5.5	10.6	-5.1
DYRK1B	0	11.2	5.8	5.4	0.5
GPI	0	9.6	4.0	5.6	-1.5
AKT2	0	9.0	5.0	4.0	1.0
PLD3	0	11.9	6.5	5.3	1.2
PIAS4	0	9.6	3.8	5.9	-2.1
NUMBL	3	12.6	3.5	9.2	-5.7
CCDC94	8	18.5	6.2	12.2	-6.0
TBCB	0	7.6	2.9	4.7	-1.8
POLR2I	6	9.0	2.3	6.7	-4.5
SLC1A5	0	7.6	2.7	4.9	-2.3
PRKD2	0	9.0	4.0	4.9	-0.9
APLP1	0	4.6	2.0	2.6	-0.6
CACTIN	8	33.1	10.1	23.0	-12.9

CCDC9	0	10.3	4.4	5.9	-1.5
HNRNPUL1	0	15.0	7.1	7.9	-0.8
FZR1	8	12.8	3.9	8.9	-5.0
BBC3	0	11.2	5.1	6.1	-1.0
TGFB1	3	10.4	4.1	6.3	-2.3
DENND3	0	7.6	2.0	5.6	-3.6
ATP5SL	0	12.6	5.1	7.4	-2.3
PLIN3	3	13.5	5.7	7.8	-2.1
MRPL4	8	30.7	9.2	21.4	-12.2
RPS19	0	7.8	3.3	4.5	-1.2
GLTSCR2	0	7.5	3.7	3.8	-0.2
ETFB	4	13.5	5.1	8.4	-3.3
BABAM1	0	9.9	3.0	6.9	-3.9
TYK2	8	8.5	1.7	6.8	-5.1
CDC37	8	17.9	6.9	11.0	-4.2
NAPA	0	6.1	2.8	3.3	-0.5
RABAC1	0	10.0	5.1	4.8	0.3
PTPRS	0	6.4	3.4	3.0	0.4
MEGF8	0	9.5	4.7	4.8	-0.1
KDELR1	0	10.5	5.5	5.0	0.5
CYTH2	0	14.0	6.7	7.3	-0.6
GRWD1	2	18.4	5.6	12.9	-7.3
CARD8	1	9.6	6.7	2.9	3.8
LIG1	5	14.3	5.9	8.4	-2.5
PLA2G4C	3	9.1	3.0	6.1	-3.2
DBP	0	6.5	3.4	3.1	0.3
TMEM205	0	12.9	5.2	7.7	-2.5
PLPPR2	0	15.3	6.9	8.4	-1.5
BCAT2	0	9.7	3.8	5.9	-2.2
MIER2	8	14.4	2.6	11.9	-9.3
PLEKHA4	0	12.0	5.0	7.1	-2.1
PPP2R1A	0	8.7	3.1	5.6	-2.5
TNPO2	8	14.3	4.6	9.6	-5.0
WDR83OS	6	12.3	3.8	8.5	-4.8
GCDH	8	25.9	5.3	20.6	-15.3
DNASE2	0	9.8	4.9	4.9	0.1
LENG1	2	22.0	10.2	11.8	-1.6
PRPF31	0	14.8	7.8	7.0	0.8
TFPT	0	9.3	4.1	5.2	-1.0
RPL18A	8	15.1	4.5	10.6	-6.1
ARRDC2	2	20.3	6.2	14.1	-8.0
PIK3R2	8	14.3	3.5	10.8	-7.3
ISYNA1	0	8.1	4.2	3.9	0.3
ELL	8	23.7	2.5	21.1	-18.6
COPE	8	15.9	3.6	12.4	-8.8
DDX49	0	11.9	5.0	7.0	-2.0
ARMC6	8	17.2	2.2	15.0	-12.8
TMEM147	0	13.9	5.1	8.9	-3.8
USF2	0	7.5	3.1	4.4	-1.2
LSR	4	16.6	7.3	9.2	-1.9
KXD1	8	12.8	3.2	9.7	-6.5
FKBP8	8	22.8	4.4	18.3	-13.9
SUGP1	8	10.2	2.2	8.0	-5.9
SCN1B	0	9.2	4.2	5.0	-0.9

ERF	0	6.5	3.4	3.1	0.4
GSK3A	0	15.0	6.6	8.4	-1.8
ATP13A1	8	14.5	3.0	11.5	-8.6
ZNF574	2	27.0	11.7	15.3	-3.7
SIPA1L3	0	9.6	3.2	6.4	-3.1
ETHE1	0	9.9	4.0	5.9	-1.9
CADM4	0	8.2	3.9	4.3	-0.4
SMG9	3	9.9	2.7	7.1	-4.4
AVL9	0	6.8	2.3	4.5	-2.2
GTPBP10	1	21.1	16.2	4.9	11.3
CDK6	0	9.1	2.5	6.6	-4.2
PMPCB	1	23.8	19.5	4.3	15.2
DNAJC2	1	46.2	40.2	6.0	34.2
TFPI2	0	5.7	2.0	3.7	-1.7
BET1	1	11.8	8.4	3.4	5.0
NAMPT	1	16.7	10.8	5.9	4.9
TWISTNB	1	26.6	21.9	4.7	17.3
PON3	4	9.7	3.5	6.2	-2.7
PON2	1	23.5	20.4	3.1	17.2
HBP1	1	21.0	16.5	4.5	11.9
DUS4L	0	7.1	2.3	4.8	-2.6
WDR91	0	4.6	2.0	2.6	-0.5
CBLL1	0	9.4	3.9	5.5	-1.6
MTPN	1	40.6	37.1	3.6	33.5
MPP6	1	10.1	6.3	3.9	2.4
DFNA5	3	9.2	3.6	5.6	-2.0
ZC3HAV1	0	8.8	3.6	5.2	-1.6
TTC26	1	8.0	4.2	3.8	0.4
OGDH	0	17.2	6.3	10.9	-4.6
H2AFV	5	10.5	3.4	7.1	-3.6
CAV2	3	23.2	14.6	8.6	5.9
CAV1	3	32.8	23.2	9.6	13.7
MET	0	10.3	3.1	7.2	-4.1
LMBR1	1	11.3	7.8	3.5	4.2
DNAJB6	1	8.4	4.4	4.0	0.5
LFNG	3	15.0	6.5	8.4	-1.9
BRAT1	2	26.5	11.1	15.3	-4.2
IQCE	2	18.4	5.8	12.7	-6.9
SSBP1	1	21.7	16.2	5.5	10.7
HIBADH	0	9.5	3.6	6.0	-2.4
TAX1BP1	1	62.5	58.9	3.6	55.3
CPVL	0	7.5	2.9	4.5	-1.6
GRB10	3	16.2	6.6	9.6	-2.9
ABHD11	2	16.6	6.5	10.1	-3.6
FKBP14	1	16.0	12.3	3.7	8.6
PLEKHA8	0	9.4	3.0	6.4	-3.3
STX1A	3	15.4	8.4	7.0	1.4
GARS	1	16.3	11.6	4.7	6.9
EPHB6	8	21.1	2.4	18.6	-16.2
CASP2	0	12.0	5.0	7.0	-2.1
CHCHD2	2	20.9	9.1	11.8	-2.6
HSPB1	0	8.2	3.3	4.9	-1.6
PDAP1	0	8.3	3.4	4.9	-1.4
BUD31	6	11.2	1.9	9.4	-7.5

PTCD1	0	7.7	3.3	4.3	-1.0
CYP3A5	0	8.3	3.0	5.3	-2.3
ZKSCAN1	0	11.5	4.1	7.3	-3.2
EIF3B	0	10.0	4.1	6.0	-1.9
SNX8	6	11.1	2.2	9.0	-6.8
NUDT1	5	13.6	3.9	9.7	-5.8
TAF6	0	10.6	4.5	6.1	-1.6
WASL	1	20.0	17.4	2.6	14.8
AIMP2	2	20.4	8.2	12.2	-3.9
MOSPD3	2	17.0	5.4	11.6	-6.1
PCOLCE	0	9.7	5.1	4.6	0.5
RBM28	1	33.0	25.8	7.3	18.5
USP42	0	15.0	6.6	8.4	-1.8
IMPDH1	0	6.3	2.7	3.6	-0.9
AGFG2	4	23.8	10.4	13.3	-2.9
LSM5	1	46.5	29.0	17.5	11.4
SERPINE1	3	17.5	11.3	6.2	5.1
AP1S1	0	13.3	4.9	8.5	-3.6
C1GALT1	1	8.1	4.8	3.4	1.4
PLOD3	0	9.7	4.2	5.5	-1.4
RPA3	5	19.0	7.0	11.9	-4.9
ZNHIT1	2	16.5	6.3	10.2	-4.0
CLDN15	2	20.4	7.8	12.6	-4.8
PHF14	1	32.2	26.9	5.2	21.7
NRF1	2	21.5	9.3	12.2	-2.9
TMEM106B	1	12.9	10.1	2.8	7.3
EZH2	5	14.9	2.9	12.0	-9.2
CEP41	3	9.8	3.4	6.4	-3.1
MEST	0	5.1	2.3	2.8	-0.4
ANKMY2	1	7.9	3.7	4.2	-0.5
TSPAN13	4	13.6	6.0	7.6	-1.5
RARRES2	0	9.1	3.7	5.4	-1.6
AGR2	4	16.3	8.5	7.8	0.7
AHR	0	9.0	3.1	5.9	-2.8
CHCHD3	7	11.1	1.5	9.6	-8.1
PSMA2	1	33.7	26.1	7.7	18.4
MRPL32	0	9.1	2.7	6.4	-3.7
COA1	0	5.9	2.5	3.4	-0.9
BLVRA	0	8.7	3.6	5.1	-1.5
URGCP	2	21.7	7.7	13.9	-6.2
TMEM248	0	5.9	2.8	3.0	-0.2
RHEB	1	16.6	10.9	5.7	5.2
PRKAG2	7	11.8	1.4	10.4	-8.9
POLD2	5	16.1	5.3	10.8	-5.5
BCL7B	0	10.3	4.2	6.0	-1.8
YKT6	0	13.5	5.4	8.1	-2.7
TBL2	2	10.8	4.1	6.7	-2.6
CLIP2	0	10.6	4.9	5.7	-0.8
EIF4H	0	8.6	3.2	5.5	-2.3
LIMK1	3	14.2	6.9	7.3	-0.4
FKTN	1	17.6	14.5	3.1	11.5
SPIN1	1	18.2	10.1	8.1	2.0
NMRK1	0	8.3	4.1	4.2	-0.1
TMEM245	0	9.5	3.0	6.5	-3.4

MEGF9	0	7.1	2.7	4.3	-1.6
TRIM14	10	9.9	1.1	8.8	-7.7
TGFBR1	1	14.8	9.5	5.2	4.3
SEC61B	0	8.7	2.8	5.9	-3.1
PTGR1	0	9.4	4.0	5.4	-1.4
SUSD1	0	5.9	2.7	3.2	-0.5
AMBP	4	25.7	16.8	8.9	7.9
DNM1	3	10.9	4.4	6.5	-2.1
AK1	10	8.8	1.6	7.2	-5.6
CDC37L1	1	7.7	4.8	2.9	2.0
PLGRKT	3	9.6	3.2	6.4	-3.2
TBC1D13	10	22.5	5.3	17.2	-12.0
RIC1	1	11.6	7.5	4.1	3.4
KDM4C	0	6.9	3.3	3.5	-0.2
KANK1	4	16.4	6.0	10.4	-4.4
NCS1	3	14.5	4.9	9.6	-4.6
TESK1	0	13.7	5.9	7.7	-1.8
FUBP3	1	49.8	45.8	4.0	41.8
CREB3	0	11.9	4.9	7.0	-2.1
RGP1	0	13.7	6.0	7.7	-1.7
MPDZ	1	17.7	13.8	4.0	9.8
EDF1	10	15.8	5.4	10.4	-5.0
GLIS3	3	13.9	6.4	7.5	-1.1
BAG1	2	19.6	8.6	11.0	-2.4
RAPGEF1	10	9.6	1.4	8.3	-6.9
NPDC1	0	6.9	3.0	3.9	-0.9
SETX	1	34.7	31.8	3.0	28.8
ABCA2	0	13.8	5.3	8.5	-3.1
SHB	2	21.5	7.7	13.8	-6.1
UBE2R2	2	13.2	4.5	8.7	-4.2
ABHD17B	0	10.1	4.3	5.8	-1.5
EXOSC3	1	22.0	14.3	7.7	6.6
ZFAND5	1	16.2	13.2	3.0	10.2
DVL1	0	14.9	5.6	9.4	-3.8
PDLIM1	3	8.5	2.7	5.8	-3.1
HPS1	0	11.8	5.2	6.6	-1.4
PHYH	4	10.5	3.0	7.5	-4.5
RASSF4	0	7.2	3.3	3.8	-0.5
DNMBP	3	10.6	3.3	7.2	-3.9
RAB11FIP2	1	15.9	11.8	4.1	7.6
ERLIN1	0	8.0	3.3	4.7	-1.3
EIF3A	1	94.3	89.7	4.6	85.1
DDX50	1	44.8	35.7	9.1	26.6
MAPK8	1	26.8	22.5	4.3	18.2
SEC23IP	1	45.5	40.3	5.2	35.0
ATE1	1	18.2	13.1	5.2	7.9
NSMCE4A	0	13.9	4.5	9.4	-4.9
PLEKHA1	1	19.4	16.6	2.9	13.7
C10orf54	0	9.8	4.6	5.2	-0.5
MICU1	0	6.7	2.9	3.8	-0.9
PPP3CB	3	15.6	4.8	10.8	-6.0
CCSER2	1	17.7	11.1	6.6	4.5
BMPR1A	1	28.2	22.0	6.1	15.9
MINPP1	1	8.2	5.0	3.2	1.9

LIPA	0	5.8	2.3	3.5	-1.2
C10orf2	0	14.2	6.4	7.8	-1.5
LZTS2	0	12.3	5.9	6.4	-0.5
SFXN3	3	16.4	9.0	7.5	1.5
KAZALD1	0	15.9	6.0	9.9	-3.9
FBXW4	0	7.3	3.3	4.0	-0.7
NPM3	0	8.3	3.6	4.8	-1.2
TNKS2	1	34.8	29.6	5.2	24.4
GBF1	0	14.4	7.1	7.3	-0.2
ARHGAP21	1	46.6	39.5	7.1	32.4
FBXL15	2	45.8	26.1	19.7	6.4
CUEDC2	3	15.5	4.3	11.3	-7.0
SUFU	0	17.3	7.6	9.7	-2.1
ACBD5	1	14.8	10.6	4.2	6.3
LHPP	2	12.4	4.0	8.4	-4.3
LARP4B	0	8.4	2.7	5.7	-3.0
GTPBP4	1	84.2	74.5	9.8	64.7
EDRF1	1	24.4	18.0	6.4	11.6
BCCIP	1	60.5	52.0	8.5	43.4
MTPAP	1	15.6	10.1	5.5	4.6
SH3PXD2A	0	11.8	6.3	5.5	0.8
PITRM1	3	12.9	6.3	6.5	-0.2
OBFC1	0	12.2	5.5	6.7	-1.2
MAP3K8	0	11.1	4.1	7.0	-3.0
DKK1	0	6.9	2.6	4.3	-1.7
GLRX3	7	12.5	1.2	11.3	-10.1
FAM208B	1	49.5	45.6	3.9	41.8
XPNPEP1	6	11.2	2.1	9.1	-7.0
SMC3	7	59.3	6.2	53.0	-46.8
SHOC2	1	48.7	41.2	7.5	33.7
TFAM	1	54.9	45.1	9.8	35.2
CCDC6	1	8.0	4.3	3.7	0.6
CUL2	1	46.2	40.3	6.0	34.3
CCNY	6	8.6	1.3	7.3	-6.0
UBE2S	5	14.4	2.7	11.6	-8.9
RPL28	0	7.9	4.0	3.9	0.1
ZMIZ1	3	18.4	9.3	9.1	0.2
PPIF	0	10.5	4.1	6.3	-2.2
TSPAN14	3	11.7	4.8	7.0	-2.2
NUFIP2	1	35.1	30.3	4.7	25.6
GIT1	0	9.9	4.0	5.9	-1.8
RPL19	0	10.2	4.4	5.8	-1.4
UBTF	0	12.9	5.5	7.4	-1.9
PSMD3	0	14.0	5.0	9.0	-4.1
CASC3	0	8.6	4.3	4.3	0.0
RNF43	4	12.7	3.8	8.8	-5.0
RAD51C	5	23.5	2.7	20.8	-18.1
MTMR4	0	7.8	3.4	4.5	-1.1
TRIM37	1	32.5	27.5	5.0	22.6
DHX40	1	17.9	14.9	3.0	11.8
TUBD1	1	21.5	14.9	6.5	8.4
KPNB1	1	78.7	69.1	9.6	59.4
GOSR2	0	9.7	4.4	5.4	-1.0
PNPO	0	16.8	5.8	11.0	-5.2

RPS6KB1	1	29.0	25.7	3.3	22.3
TRIM16L	0	10.6	4.7	5.9	-1.3
CDK5RAP3	0	7.5	3.4	4.1	-0.7
CBX1	1	25.7	20.9	4.7	16.2
RECQL5	0	9.6	4.2	5.4	-1.3
PIGL	0	8.9	4.1	4.8	-0.7
GALK1	2	20.5	7.5	12.9	-5.4
INTS2	1	16.0	11.5	4.4	7.1
CAMTA2	0	6.6	3.0	3.6	-0.7
MED13	1	29.8	26.0	3.8	22.1
ENO3	6	29.8	5.8	24.0	-18.3
PFN1	10	13.2	1.2	11.9	-10.7
RNF167	0	8.1	3.3	4.8	-1.5
SLC25A11	2	18.0	6.7	11.2	-4.5
RAI1	0	9.9	4.2	5.7	-1.5
NUP88	1	64.5	51.9	12.5	39.4
C1QBP	0	21.2	6.7	14.5	-7.8
BLMH	0	7.5	1.8	5.7	-3.9
CPD	1	30.9	25.8	5.1	20.7
GOSR1	0	13.7	4.4	9.3	-4.9
CCDC47	1	44.6	40.8	3.7	37.1
MED31	0	10.0	3.4	6.6	-3.2
DRG2	0	7.3	3.3	3.9	-0.6
FTSJ3	0	8.4	3.4	5.0	-1.6
AKAP10	1	17.2	13.6	3.7	9.9
SMARCD2	2	15.0	5.4	9.6	-4.1
SYNGR2	2	17.7	4.9	12.9	-8.0
B9D1	0	9.5	4.2	5.3	-1.1
UTP6	1	80.8	71.9	8.9	63.0
DDX5	1	104.1	100.3	3.8	96.4
C17orf75	6	17.5	2.8	14.7	-11.9
CYTH1	0	6.5	3.0	3.5	-0.5
PSMD11	6	15.7	3.7	12.0	-8.3
LGALS3BP	3	10.3	4.7	5.6	-0.9
CCL2	3	12.9	7.5	5.5	2.0
KAT2A	2	17.3	5.5	11.8	-6.3
RAB5C	3	15.5	4.1	11.3	-7.2
NAGLU	0	14.0	5.3	8.6	-3.3
MLX	2	16.6	5.5	11.1	-5.6
CNTNAP1	0	7.6	3.3	4.3	-0.9
EZH1	0	7.3	3.4	4.0	-0.6
PPP1R9B	0	9.7	4.4	5.3	-0.9
COL1A1	3	14.0	4.9	9.1	-4.2
MRPL27	5	17.8	3.3	14.5	-11.2
VAT1	3	10.4	2.9	7.5	-4.7
LRRC59	0	9.8	3.7	6.1	-2.4
HDAC5	0	5.7	2.9	2.7	0.2
ABCC3	3	18.5	4.6	13.9	-9.2
LUC7L3	1	150.0	143.3	6.7	136.6
SMURF2	1	16.5	9.3	7.3	2.0
DUSP3	0	11.0	4.2	6.8	-2.7
EFTUD2	5	11.4	2.2	9.2	-7.0
PRKAR1A	1	34.4	29.3	5.0	24.3
YWHAE	1	27.0	23.5	3.5	20.0

MMD	4	9.4	3.3	6.0	-2.7
RANGRF	0	14.4	6.4	8.0	-1.6
DPH1	0	13.1	5.6	7.4	-1.8
MAP2K6	0	6.4	2.8	3.6	-0.8
DHRS7B	2	16.0	5.4	10.6	-5.3
WSB1	1	17.3	13.0	4.3	8.6
SLC9A3R1	4	16.5	6.6	9.9	-3.3
NAT9	2	15.2	6.4	8.8	-2.3
TMEM104	0	16.6	6.2	10.5	-4.3
VTN	4	20.3	12.9	7.4	5.6
TNFAIP1	0	7.9	3.5	4.4	-0.9
IFT20	0	7.6	2.4	5.2	-2.8
TMEM97	5	17.2	6.7	10.5	-3.8
CDR2L	0	9.4	3.6	5.9	-2.3
PMP22	3	10.5	5.0	5.5	-0.6
UNC119	0	8.4	3.9	4.5	-0.6
ALDOC	0	6.9	2.8	4.1	-1.3
SUPT6H	0	10.4	4.5	5.9	-1.4
RAB34	0	5.4	2.3	3.1	-0.7
PHF12	0	9.0	2.8	6.2	-3.4
TMEM33	0	7.8	2.9	4.9	-2.0
SLAIN2	1	32.1	23.6	8.5	15.1
OCIAD1	1	12.5	9.6	2.9	6.8
DCUN1D4	1	21.3	18.5	2.9	15.6
USP46	1	15.2	10.2	5.0	5.2
CHIC2	0	9.0	4.4	4.7	-0.3
LAMTOR3	1	27.1	23.6	3.5	20.0
NFKB1	0	7.6	3.0	4.6	-1.6
AREG	0	11.3	4.4	6.9	-2.5
MANBA	0	8.0	4.2	3.8	0.5
UBE2D3	1	36.3	33.5	2.8	30.7
ELF2	1	19.5	16.7	2.8	14.0
NDUFC1	0	11.8	4.7	7.1	-2.4
TBC1D9	0	4.5	1.7	2.8	-1.1
ZNF330	1	10.6	6.4	4.1	2.3
KLHL2	1	13.0	9.8	3.2	6.6
CPE	0	7.8	3.3	4.5	-1.2
RPL34	1	13.4	9.4	4.0	5.4
WFS1	0	10.9	4.7	6.2	-1.6
GRPEL1	6	16.5	2.8	13.7	-10.9
GAR1	1	13.5	6.6	6.9	-0.3
FRG1	0	8.2	2.8	5.5	-2.7
CLCN3	1	23.5	20.6	2.9	17.8
GALNT7	1	7.9	5.1	2.8	2.2
DHX15	1	90.6	84.4	6.1	78.3
FBXW7	1	19.3	15.1	4.2	10.8
NEIL3	7	8.9	1.3	7.6	-6.4
WHSC1	5	15.0	3.3	11.7	-8.4
SH3D19	6	20.2	8.9	11.3	-2.5
STIM2	0	5.9	2.1	3.8	-1.6
MFSD10	8	16.8	2.5	14.2	-11.7
RAPGEF2	1	21.6	18.5	3.0	15.5
SNX25	0	6.6	2.1	4.4	-2.3
UFSP2	1	19.7	15.1	4.6	10.6

KLF3	0	12.6	2.9	9.7	-6.8
KLHL5	1	15.0	10.1	5.0	5.1
NCAPG	7	46.7	11.5	35.3	-23.8
UGDH	1	13.9	9.0	5.0	4.0
CRYAB	0	5.1	2.3	2.9	-0.6
HTATIP2	0	9.2	3.9	5.3	-1.4
CTSC	0	6.1	2.3	3.7	-1.4
CCDC34	0	12.1	2.9	9.2	-6.4
ELP4	0	6.4	2.4	4.0	-1.6
ZPR1	6	13.6	2.2	11.4	-9.1
MTCH2	6	15.8	4.6	11.1	-6.5
FNBP4	1	54.3	50.5	3.9	46.6
SC5D	1	22.8	18.5	4.3	14.2
HSPA8	0	8.9	3.0	5.9	-2.9
DNAJC4	0	8.9	4.2	4.7	-0.5
SIAE	0	9.0	4.1	4.8	-0.7
SNX15	0	8.5	4.0	4.5	-0.5
LPXN	3	10.4	4.7	5.7	-1.0
ATG2A	2	40.1	20.5	19.6	0.9
EHD1	3	17.4	5.4	12.1	-6.7
OSBP	0	9.3	3.3	6.0	-2.7
UNC93B1	0	10.3	4.2	6.1	-2.0
PUS3	0	8.1	3.3	4.8	-1.5
DCPS	2	17.4	6.3	11.1	-4.7
KMT5B	1	12.1	8.1	4.0	4.2
FOXRED1	2	23.8	10.1	13.6	-3.5
PPP6R3	1	36.8	32.2	4.6	27.6
ST3GAL4	9	12.5	1.0	11.5	-10.5
CPT1A	0	5.3	2.3	2.9	-0.6
CCND1	1	9.1	5.2	3.9	1.3
CCDC86	2	24.5	7.9	16.6	-8.7
PRPF19	5	10.5	2.4	8.1	-5.8
TMEM109	0	10.2	3.5	6.7	-3.1
TRIM3	0	6.3	2.9	3.4	-0.5
CHORDC1	1	35.7	27.8	7.9	19.9
ANAPC15	0	10.5	4.4	6.2	-1.8
PANX1	0	8.4	3.6	4.9	-1.3
ARHGEF17	0	9.6	5.0	4.6	0.4
CEP164	2	20.0	7.1	12.9	-5.8
RNF141	1	8.7	4.4	4.3	0.1
EIF4G2	1	102.7	94.6	8.1	86.5
BIRC2	1	27.3	22.1	5.2	16.9
UBE4A	0	10.5	4.1	6.4	-2.2
DDX6	1	31.3	27.2	4.0	23.2
CBL	0	9.8	5.0	4.8	0.2
PVRL1	2	14.4	5.3	9.1	-3.8
HIPK3	1	17.8	14.8	3.0	11.8
FBXO3	1	13.8	10.7	3.2	7.5
PDHX	1	25.5	19.6	5.9	13.7
COMMD9	0	8.9	3.9	4.9	-1.0
ACCS	0	8.8	4.4	4.4	0.0
MDK	4	9.5	2.6	6.9	-4.3
AMBRA1	2	33.6	14.0	19.6	-5.5
MADD	0	6.0	2.8	3.1	-0.3

PTPMT1	2	12.3	4.3	8.0	-3.7
NAA40	0	12.7	5.9	6.8	-0.8
CARS	0	6.6	3.2	3.4	-0.2
SLC22A18	4	22.0	7.5	14.5	-7.0
CD81	0	4.8	2.1	2.7	-0.6
SLC35F2	0	9.6	2.8	6.7	-3.9
C11orf58	1	116.9	107.8	9.1	98.7
PITPNM1	0	8.8	4.3	4.5	-0.2
RPS13	0	11.7	4.6	7.1	-2.5
AIP	0	12.4	7.2	5.2	2.0
NUP98	1	16.4	11.4	5.0	6.5
NDUFS8	0	11.0	4.4	6.5	-2.1
TCIRG1	0	7.4	3.1	4.3	-1.1
CHKA	0	10.0	2.6	7.4	-4.8
HPS5	1	15.3	11.0	4.3	6.6
GTF2H1	1	28.5	24.2	4.3	19.8
PSMD9	0	7.9	3.4	4.5	-1.1
P3H3	0	7.3	3.2	4.1	-0.8
PPFIBP1	1	14.1	9.1	5.0	4.2
PRPF40B	2	17.3	6.3	11.0	-4.8
PRDM4	0	7.2	3.4	3.7	-0.3
COQ5	0	8.2	3.5	4.7	-1.1
CORO1C	5	19.8	3.4	16.4	-13.0
CAPRIN2	1	12.6	10.0	2.6	7.4
KCTD10	0	9.8	4.8	4.9	-0.1
SLC11A2	0	12.0	3.9	8.1	-4.2
MLEC	6	8.2	1.3	6.9	-5.6
MVK	4	14.2	3.3	10.9	-7.6
CSRNP2	0	13.0	6.6	6.5	0.1
CAMKK2	4	20.0	4.0	15.9	-11.9
ATP5B	0	14.3	4.9	9.4	-4.4
PTGES3	1	28.6	22.8	5.8	17.0
BCL7A	2	20.5	6.2	14.3	-8.1
RSRC2	1	106.5	98.8	7.7	91.1
KRT18	0	10.1	5.7	4.4	1.3
TNS2	3	10.8	3.3	7.5	-4.2
PPM1H	0	6.1	2.7	3.4	-0.7
METAP2	1	142.8	134.1	8.7	125.4
LTA4H	1	14.0	10.4	3.6	6.7
ELK3	1	17.9	8.8	9.1	-0.3
MAGOHB	7	37.3	5.2	32.1	-26.9
ITFG2	0	6.9	2.5	4.4	-1.9
FOXM1	5	22.6	13.6	8.9	4.7
ARPC3	1	39.5	35.7	3.8	32.0
GPN3	1	40.8	28.2	12.6	15.6
VPS29	7	15.8	2.2	13.6	-11.4
RAD51AP1	7	41.0	8.0	33.0	-25.0
SH2B3	3	12.9	5.2	7.7	-2.4
MANSC1	4	11.2	4.8	6.4	-1.6
DUSP16	4	14.2	6.1	8.0	-1.9
CREBL2	0	5.7	1.8	3.9	-2.1
ACAD10	0	10.4	4.7	5.7	-1.0
ALDH2	4	13.4	6.4	7.0	-0.6
CDKN1B	1	15.7	11.2	4.5	6.6

NAA25	1	42.7	37.4	5.3	32.0
LTBR	0	9.0	4.1	4.9	-0.8
OGFOD2	2	15.7	5.4	10.3	-4.9
CDK2AP1	7	8.0	0.7	7.3	-6.6
OAS3	0	10.2	4.6	5.6	-1.0
ARHGDIB	3	9.5	4.7	4.9	-0.2
GTF2H3	1	19.9	15.7	4.2	11.5
EIF2B1	1	9.2	4.6	4.7	-0.1
DDX55	1	19.5	13.1	6.3	6.8
SLC38A1	1	25.5	21.4	4.1	17.3
C12orf49	0	7.8	3.5	4.2	-0.7
RFC5	5	20.0	8.3	11.7	-3.4
STX2	0	11.0	2.6	8.4	-5.8
COPZ1	0	12.3	5.4	6.9	-1.4
CAND1	1	106.2	98.9	7.3	91.7
RAB5B	0	8.1	4.4	3.7	0.7
MDM1	1	19.7	15.0	4.7	10.2
NUP107	1	101.3	91.3	10.0	81.3
CNOT2	1	80.8	75.5	5.3	70.2
TIMELESS	5	18.5	5.5	13.1	-7.6
CPSF6	1	30.8	23.3	7.5	15.8
KRR1	1	63.5	58.3	5.1	53.2
MRPL51	1	63.7	49.7	14.0	35.7
GAPDH	0	6.3	3.1	3.2	-0.1
NOP2	0	14.0	5.8	8.2	-2.4
CHD4	1	26.9	23.0	3.8	19.2
UHRF1BP1L	1	33.5	28.4	5.1	23.2
COPS7A	0	8.2	4.1	4.1	0.0
ING4	0	8.5	4.7	3.8	0.9
CDCA3	5	22.1	13.1	9.0	4.1
CHPT1	4	15.9	4.6	11.2	-6.6
USP5	0	11.8	4.8	7.0	-2.2
TPI1	0	7.6	3.7	3.9	-0.2
GNPTAB	1	12.9	9.9	3.0	7.0
SPSB2	0	10.3	4.0	6.2	-2.2
ENO2	3	11.0	4.4	6.6	-2.2
ATN1	0	11.3	5.1	6.2	-1.1
C12orf57	0	6.5	3.1	3.4	-0.2
PTPN6	4	21.7	8.3	13.4	-5.1
LPCAT3	4	10.4	3.2	7.3	-4.1
SUDS3	1	12.4	6.6	5.8	0.8
GOLT1B	1	73.6	66.4	7.2	59.2
LDHB	1	7.5	4.8	2.7	2.0
PRKAB1	0	9.0	3.8	5.1	-1.3
CMAS	1	19.5	15.1	4.4	10.8
C2CD5	1	44.3	37.8	6.5	31.3
RAB35	0	9.3	3.6	5.6	-2.0
PHC1	0	11.5	5.0	6.4	-1.4
COX6A1	4	22.2	6.4	15.8	-9.4
RIC8B	0	5.8	1.7	4.1	-2.3
SRSF9	0	12.6	5.4	7.2	-1.8
FGFR1OP2	1	23.3	19.9	3.4	16.5
COL12A1	3	10.7	3.8	6.9	-3.1
BTN3A3	3	12.7	3.9	8.8	-4.8

TDP2	1	17.7	13.4	4.3	9.1
RWDD1	1	34.2	25.9	8.3	17.7
TMEM14C	3	14.3	5.4	8.8	-3.4
PAK1IP1	1	25.1	17.0	8.0	9.0
GCNT2	0	7.2	2.7	4.6	-1.9
NEDD9	0	5.5	2.3	3.2	-0.9
ASF1A	1	10.6	7.0	3.6	3.5
MCM9	0	6.4	2.4	4.1	-1.7
RNGTT	1	18.6	13.8	4.7	9.1
MAN1A1	4	19.0	8.8	10.2	-1.4
SERINC1	1	63.6	60.2	3.4	56.8
HDDC2	1	10.0	5.2	4.8	0.4
TPD52L1	0	7.7	3.2	4.5	-1.3
HINT3	1	16.1	12.8	3.2	9.6
NCOA7	1	10.8	7.0	3.8	3.3
FBXO5	7	31.3	7.0	24.2	-17.2
MTRF1L	1	22.7	17.6	5.1	12.5
PPARD	0	16.3	6.9	9.4	-2.5
MAPK14	0	7.7	3.1	4.6	-1.5
KCTD20	1	12.4	8.5	3.9	4.6
STK38	3	9.6	3.3	6.3	-3.0
SRSF3	1	59.0	46.2	12.8	33.4
SOD2	0	8.7	3.7	5.0	-1.2
MRPL18	0	9.0	2.9	6.2	-3.3
MCM3	5	20.2	9.5	10.7	-1.2
RNF8	0	9.4	3.7	5.7	-2.0
FBXO9	1	8.3	5.5	2.7	2.8
MDN1	1	18.9	12.5	6.4	6.1
SAYSD1	2	11.8	4.1	7.7	-3.6
RBM24	0	6.4	2.1	4.4	-2.3
CAP2	0	11.7	2.3	9.5	-7.2
ZNF451	1	35.6	31.3	4.3	27.0
BAG2	7	11.7	1.2	10.5	-9.4
RAB23	1	18.4	12.6	5.8	6.8
CCNC	1	49.4	41.0	8.5	32.5
E2F3	0	7.8	3.4	4.4	-0.9
PTP4A1	1	58.3	51.5	6.9	44.6
ASCC3	1	23.2	19.1	4.0	15.1
MED23	1	18.1	15.2	2.8	12.4
WASF1	0	5.6	2.4	3.2	-0.8
GPLD1	0	7.6	3.1	4.5	-1.4
ACOT13	0	11.2	4.0	7.2	-3.2
SMAP1	0	8.1	3.4	4.8	-1.4
RPS12	0	9.4	2.7	6.7	-4.0
C6orf62	1	42.2	38.3	3.9	34.4
GMNN	5	24.4	8.4	16.0	-7.6
SNX3	1	12.4	8.2	4.3	3.9
HBS1L	1	75.4	70.4	5.0	65.4
PEX7	2	15.9	6.9	9.1	-2.2
FIG4	0	6.3	2.0	4.2	-2.2
PERP	0	6.6	2.8	3.8	-1.0
ADGRG6	0	8.1	2.2	5.9	-3.7
PHACTR2	0	11.4	3.5	7.9	-4.3
SLC39A7	0	8.7	4.7	4.0	0.7

PHF1	0	11.7	6.1	5.5	0.6
CUTA	3	15.8	4.5	11.3	-6.8
QKI	1	22.9	17.2	5.7	11.5
CCND3	3	14.5	4.3	10.1	-5.8
BYSL	0	13.9	5.5	8.5	-3.0
FAM120B	0	5.7	2.7	3.0	-0.3
TBP	0	8.1	3.2	4.9	-1.7
PPP2R5D	0	14.5	6.4	8.1	-1.8
MRPL2	2	17.3	5.6	11.7	-6.1
SRF	0	13.8	5.2	8.6	-3.4
CUL9	0	13.1	5.8	7.3	-1.5
DNPH1	2	17.6	7.1	10.5	-3.4
DUSP22	0	10.5	5.6	4.8	0.8
EXOC2	0	7.1	2.3	4.8	-2.5
COX7A2	6	10.2	2.3	7.8	-5.5
TMEM30A	1	65.8	59.3	6.4	52.9
GMDS	4	23.8	9.3	14.5	-5.3
SENP6	1	69.6	64.0	5.7	58.3
VEGFA	3	9.2	2.7	6.5	-3.7
PRPF4B	1	90.1	84.6	5.5	79.0
TTK	7	47.4	9.7	37.8	-28.1
SLC29A1	0	8.5	3.3	5.2	-1.9
BTN2A1	0	9.3	4.3	5.0	-0.6
LAMA4	0	6.2	2.9	3.4	-0.5
FBRSL1	0	7.8	3.4	4.4	-1.0
ERBB2IP	1	57.6	49.9	7.7	42.3
HARS2	0	6.8	2.9	3.9	-1.0
NUDT12	1	6.8	3.6	3.3	0.3
CEP72	2	12.6	4.3	8.3	-4.0
MAN2A1	1	12.4	9.8	2.6	7.3
PAPD7	0	10.6	5.0	5.6	-0.6
HMGCS1	1	10.7	5.8	4.9	0.8
DAP	0	11.8	4.7	7.0	-2.3
BRD8	1	31.4	27.8	3.6	24.3
KIF20A	5	22.2	12.1	10.1	2.1
NNT	0	5.5	1.7	3.9	-2.2
MRPS30	0	10.6	4.1	6.6	-2.5
HSPA9	1	75.8	69.5	6.3	63.2
MRPS27	0	10.2	3.7	6.5	-2.8
PFDN1	1	13.2	7.0	6.1	0.9
HBEGF	3	11.0	4.0	7.1	-3.1
APBB3	0	10.6	5.7	4.9	0.8
TMCO6	2	18.2	6.1	12.1	-6.0
SPARC	0	9.6	2.8	6.9	-4.1
IK	1	96.6	91.5	5.1	86.5
HMGCR	1	26.2	21.4	4.8	16.5
COL4A3BP	1	23.5	20.1	3.5	16.6
FAF2	0	8.2	2.8	5.3	-2.5
CLK4	1	17.0	13.8	3.1	10.7
HAVCR1	0	8.6	2.1	6.5	-4.4
RNF130	0	9.1	4.2	4.9	-0.8
THG1L	7	13.4	1.3	12.1	-10.8
ARSB	0	10.6	5.8	4.9	0.9
CLINT1	1	56.3	52.7	3.6	49.0

CNOT6	1	22.2	18.3	3.9	14.4
TTC1	0	11.1	3.6	7.5	-3.8
MSH3	1	10.8	6.6	4.3	2.3
CCNG1	1	30.4	26.9	3.5	23.5
POLR3G	7	9.7	1.2	8.5	-7.3
DROSHA	6	39.2	6.4	32.8	-26.4
CDH6	3	10.3	3.5	6.8	-3.3
LMNB1	5	36.2	16.3	19.9	-3.6
ARRDC3	1	10.0	6.9	3.1	3.7
GOLPH3	0	6.9	3.1	3.8	-0.7
SUB1	1	37.4	33.2	4.2	29.1
FAM172A	0	9.9	2.7	7.2	-4.4
TARS	1	85.6	80.7	5.0	75.7
LNPEP	1	12.2	9.0	3.2	5.8
RAD1	0	9.4	3.0	6.4	-3.4
BRIX1	1	65.9	51.6	14.3	37.3
SLC12A7	4	16.5	5.4	11.1	-5.7
RAD50	1	31.9	27.2	4.7	22.5
GNPDA1	0	11.6	4.7	6.9	-2.2
SKP1	1	17.9	14.4	3.5	10.9
NUP155	7	13.9	2.0	11.9	-9.9
PPP2CA	1	19.3	14.5	4.8	9.7
NR3C1	1	16.1	10.3	5.8	4.5
C5orf15	1	16.7	13.8	3.0	10.8
PPWD1	1	70.0	64.7	5.3	59.4
TRAPPC13	1	34.8	29.7	5.1	24.5
SEC24A	1	12.4	8.7	3.7	4.9
TXNDC15	1	15.2	10.6	4.7	5.9
TTC33	1	12.7	8.2	4.6	3.6
RARS	1	55.4	50.1	5.3	44.9
WWC1	0	7.3	2.8	4.5	-1.7
H2AFY	0	11.3	4.6	6.7	-2.1
TCERG1	1	107.3	98.8	8.5	90.3
DPYSL3	3	12.1	5.4	6.6	-1.2
SMAD5	1	34.7	29.4	5.3	24.1
CSNK1A1	1	87.4	82.8	4.6	78.2
HMGXB3	0	6.5	3.5	3.0	0.5
ERGIC1	3	12.8	6.1	6.7	-0.5
ATP6V0E1	6	13.6	3.1	10.5	-7.3
BNIP1	2	19.9	6.8	13.1	-6.3
STC2	0	11.2	2.3	8.9	-6.5
CPEB4	1	14.5	10.5	4.0	6.5
DBN1	0	7.6	2.5	5.1	-2.7
ZNF346	0	7.2	3.4	3.8	-0.3
EHHADH	4	13.3	5.0	8.2	-3.2
SMC4	1	65.5	54.2	11.4	42.8
SELK	0	5.4	2.2	3.2	-0.9
ACTR8	0	7.7	3.0	4.7	-1.8
TBCCD1	0	8.8	3.9	4.9	-1.1
TIMMDC1	0	8.2	2.9	5.3	-2.3
CRBN	1	19.1	15.8	3.2	12.6
BCL6	0	7.5	3.4	4.1	-0.7
HGD	4	27.0	17.7	9.3	8.4
NPHP3	1	22.6	18.0	4.6	13.3

AMOTL2	3	13.7	7.2	6.5	0.7
NIT2	6	9.6	1.3	8.3	-7.0
FAM162A	0	12.7	4.0	8.7	-4.7
OGG1	0	11.9	5.0	7.0	-2.0
KPNA1	1	13.6	8.6	5.0	3.6
PCCB	4	17.9	5.4	12.5	-7.2
UBE3A	1	44.4	41.0	3.3	37.7
ARMC8	1	34.7	29.6	5.1	24.5
CEP70	1	18.0	14.6	3.5	11.1
RBP1	0	6.5	3.0	3.6	-0.6
RNF7	0	8.0	3.9	4.2	-0.3
TFDP2	1	9.0	4.9	4.1	0.8
XRN1	1	23.2	19.3	3.9	15.4
KAT2B	1	8.9	4.6	4.3	0.3
PDCD10	1	58.1	54.3	3.8	50.5
PFKFB4	0	7.3	3.3	4.0	-0.7
COL7A1	3	9.7	4.4	5.3	-0.8
PRKAR2A	0	10.8	5.2	5.7	-0.5
HES1	4	15.1	5.0	10.1	-5.1
USP4	0	8.8	4.1	4.7	-0.5
ACAP2	1	18.5	15.0	3.5	11.5
ECT2	1	65.9	55.3	10.6	44.7
GNAI2	3	19.8	11.5	8.3	3.2
TFG	1	7.7	3.9	3.8	0.1
TUSC2	2	30.0	13.4	16.6	-3.3
NPRL2	0	13.8	6.2	7.6	-1.5
RPL24	0	6.9	2.8	4.0	-1.2
CYB561D2	9	23.1	2.5	20.6	-18.1
FXR1	1	92.0	86.7	5.3	81.4
CBLB	0	7.3	3.4	3.8	-0.4
BBX	1	32.3	27.7	4.5	23.2
IFT57	1	16.6	11.0	5.7	5.3
GBE1	0	10.6	3.4	7.2	-3.8
UMPS	6	42.7	13.4	29.2	-15.8
NCBP2	1	38.5	35.5	3.0	32.5
SNX4	1	39.9	35.1	4.9	30.2
C3orf52	0	5.1	2.1	3.0	-0.9
SLC41A3	0	14.6	5.6	9.0	-3.3
PLXNA1	0	9.2	4.7	4.5	0.1
ATP6V1A	1	15.7	12.0	3.7	8.3
ABTB1	0	12.0	5.3	6.7	-1.4
PODXL2	0	5.5	2.2	3.3	-1.1
KLHL18	2	13.4	4.9	8.5	-3.6
SCAP	4	18.0	4.2	13.8	-9.6
MRPL3	1	42.7	35.6	7.0	28.6
HEMK1	2	20.3	7.5	12.8	-5.3
MAPKAPK3	0	15.9	6.7	9.2	-2.5
WDR48	1	20.0	16.7	3.3	13.5
COMMD2	0	6.3	2.6	3.7	-1.1
GORASP1	0	13.8	5.7	8.0	-2.3
RRP9	2	25.6	9.4	16.2	-6.8
ABCC5	0	10.0	4.3	5.7	-1.4
ABHD14B	2	15.0	5.1	9.9	-4.8
EIF1B	4	10.5	2.4	8.1	-5.6

KLHL24	0	10.1	3.7	6.4	-2.8
SSR3	1	15.4	12.9	2.6	10.3
NKTR	1	51.8	48.6	3.1	45.5
CLCN2	12	28.8	2.0	26.8	-24.7
FOXP1	0	7.3	2.2	5.2	-3.0
EIF4G1	0	8.3	3.3	5.0	-1.7
SPCS1	0	10.3	4.7	5.7	-1.0
NEK4	1	9.8	5.8	4.0	1.8
EEF1B2	0	11.4	4.7	6.7	-1.9
DGUOK	0	10.6	5.0	5.6	-0.6
MOB1A	1	83.6	77.5	6.1	71.4
KANSL3	0	8.2	4.4	3.8	0.6
LMAN2L	0	10.2	4.2	6.0	-1.9
RTKN	4	21.2	9.8	11.4	-1.7
TTL	1	9.3	4.5	4.8	-0.3
CCL20	4	14.8	7.2	7.5	-0.3
PIKFYVE	1	27.7	24.3	3.5	20.8
FAHD2A	2	14.6	5.9	8.7	-2.8
NCL	1	104.1	93.5	10.6	82.9
ACTR1B	10	14.6	1.5	13.1	-11.6
SLC35F5	1	66.3	58.0	8.3	49.7
ACTR3	1	70.1	63.5	6.6	56.8
STEAP3	3	15.9	9.0	6.9	2.0
EPB41L5	4	20.8	4.9	15.9	-11.0
SF3B6	1	26.1	22.2	3.9	18.4
TP53I3	0	5.0	2.1	2.9	-0.7
STAM2	1	30.4	26.2	4.2	22.0
GPD2	1	20.8	17.8	3.0	14.9
CENPA	5	15.0	5.4	9.7	-4.3
ACVR1	0	7.7	3.3	4.5	-1.2
TANC1	0	6.4	2.7	3.6	-0.9
MPV17	0	8.3	3.9	4.5	-0.6
GTF3C2	0	8.6	3.5	5.1	-1.6
EIF2B4	0	14.6	6.5	8.1	-1.6
NRBP1	0	6.3	3.2	3.1	0.1
FNDC4	0	14.7	5.5	9.3	-3.8
PSMD14	1	54.3	46.3	7.9	38.4
SNX17	2	14.9	5.1	9.8	-4.7
ASB3	1	13.5	9.2	4.2	5.0
PPM1G	2	18.6	6.7	11.8	-5.1
REEP6	4	26.4	11.2	15.2	-4.0
RPS15	8	18.2	6.9	11.3	-4.4
GCA	1	8.8	5.3	3.4	1.9
INO80B	2	14.2	5.6	8.6	-3.0
MOGS	11	14.4	1.1	13.4	-12.3
TTC31	0	9.2	4.2	5.0	-0.8
NDUFS7	8	22.3	6.2	16.1	-9.9
PCGF1	6	9.3	1.2	8.1	-7.0
GRB14	1	8.1	4.0	4.1	-0.1
CLIP4	1	11.1	6.6	4.5	2.2
SPTBN1	0	9.1	3.7	5.4	-1.7
AUP1	2	17.8	5.5	12.3	-6.8
RTN4	1	22.0	14.2	7.8	6.3
HTRA2	2	17.3	6.5	10.8	-4.3

POLE4	6	9.9	2.6	7.2	-4.6
CCDC88A	1	51.9	43.6	8.3	35.4
EVA1A	0	7.3	2.9	4.4	-1.5
MRPL19	1	43.3	36.5	6.8	29.7
LANCL1	1	21.7	18.8	2.9	15.9
WDR75	1	68.8	59.8	9.0	50.8
EFEMP1	3	8.4	3.5	4.9	-1.5
FANCL	1	26.5	20.9	5.6	15.3
FN1	0	7.1	3.2	3.8	-0.6
STAT1	1	16.1	12.9	3.2	9.6
GLS	1	89.3	81.2	8.1	73.1
PECR	4	16.6	7.6	9.0	-1.4
UNC50	1	13.4	9.0	4.4	4.6
IGFBP2	0	6.6	2.7	4.0	-1.3
ELMOD3	0	5.3	2.6	2.8	-0.2
USP34	1	65.5	61.0	4.4	56.6
CCT4	7	22.7	2.6	20.1	-17.5
GGCX	4	14.7	4.5	10.2	-5.8
EHBP1	1	25.3	22.0	3.2	18.8
TXNDC9	1	72.8	64.0	8.7	55.3
COQ10B	1	25.1	20.5	4.6	15.9
SF3B1	1	140.4	134.6	5.9	128.7
ST3GAL5	0	5.2	2.1	3.1	-0.9
PDCL3	7	19.0	2.3	16.7	-14.4
MOB4	1	24.0	19.8	4.2	15.6
HSPE1	6	23.0	3.6	19.3	-15.7
KDM3A	1	25.8	22.2	3.6	18.6
CHMP3	1	26.2	22.5	3.6	18.9
ZNF142	2	18.5	6.0	12.6	-6.6
IL1R1	0	6.2	2.6	3.6	-1.0
FHL2	3	19.4	12.9	6.6	6.3
MLPH	3	18.6	10.6	7.9	2.7
CNPPD1	2	13.9	4.3	9.6	-5.3
UXS1	1	8.7	4.6	4.1	0.5
ABCB6	0	9.1	3.4	5.7	-2.3
STK16	0	11.2	4.8	6.4	-1.6
HDLBP	6	10.8	2.0	8.9	-6.9
PPP1R7	6	14.5	4.1	10.4	-6.3
PASK	0	6.6	2.4	4.2	-1.8
STK25	0	10.6	3.9	6.7	-2.8
PROC	4	12.7	6.6	6.2	0.4
ID2	0	6.6	2.3	4.3	-2.1
TAF1B	1	22.6	17.5	5.2	12.3
HPCAL1	3	20.2	9.4	10.8	-1.4
ODC1	0	13.7	4.7	9.0	-4.3
BIRC6	1	58.2	52.9	5.3	47.6
NOL10	1	18.6	12.2	6.4	5.8
PLEKHB2	0	5.8	2.6	3.2	-0.6
GORASP2	0	7.2	3.0	4.2	-1.2
STRN	1	21.8	18.3	3.4	14.9
CEBPZ	1	55.2	48.8	6.4	42.4
PRKD3	1	47.9	43.1	4.7	38.4
DCAF17	1	24.5	19.6	4.9	14.7
QPCT	3	7.9	2.7	5.2	-2.5

RAB3GAP1	1	34.6	31.3	3.4	27.9
SLC25A12	1	8.4	4.3	4.2	0.1
DARS	1	77.9	65.1	12.7	52.4
SRSF7	1	78.2	63.9	14.3	49.6
SDC1	4	12.2	3.5	8.6	-5.1
SLC1A4	0	5.3	2.4	2.9	-0.4
SOS1	1	23.8	20.0	3.8	16.3
KYNU	0	9.6	4.2	5.4	-1.2
ORC2	1	45.5	36.8	8.7	28.0
COX7A2L	0	9.3	4.2	5.1	-0.9
PNO1	7	18.5	1.9	16.6	-14.7
ORC4	1	51.3	46.2	5.2	41.0
RND3	1	13.9	7.7	6.2	1.6
ATF2	1	40.0	35.9	4.0	31.9
THADA	1	11.0	6.4	4.6	1.8
AAK1	0	9.9	4.5	5.4	-0.8
TRAK2	1	11.9	8.1	3.9	4.2
C2orf42	0	7.4	3.3	4.1	-0.8
TIA1	1	96.5	91.3	5.2	86.1
PCYOX1	1	16.7	13.2	3.5	9.7
EPAS1	4	7.9	2.2	5.7	-3.5
ARID3A	0	19.0	7.9	11.2	-3.3
SUMO1	1	103.5	96.2	7.3	88.9
NFE2L2	1	108.9	103.7	5.2	98.5
MSH6	1	58.7	48.8	10.0	38.8
PLEKHA3	6	27.7	4.4	23.3	-18.8
SPR	4	22.9	8.3	14.7	-6.4
FARSB	7	14.4	1.8	12.6	-10.8
ALMS1	1	17.3	12.0	5.4	6.6
BCL9	9	13.8	2.9	10.9	-8.0
DHCR24	5	13.2	4.4	8.8	-4.5
DNAJC16	0	9.7	3.7	6.1	-2.4
CACYBP	1	59.5	41.8	17.6	24.2
SCP2	1	62.3	59.2	3.1	56.0
RALGPS2	1	16.1	12.6	3.5	9.1
CEP104	6	15.8	5.0	10.8	-5.8
FAM20B	0	7.4	2.7	4.7	-2.1
TMEM59	1	10.3	6.7	3.6	3.2
LRRC42	0	9.5	4.7	4.8	-0.1
WRAP73	2	12.8	4.8	8.0	-3.2
MRPL37	2	23.9	8.9	15.0	-6.1
ICMT	0	11.6	4.5	7.1	-2.6
RPL22	1	58.4	49.7	8.7	41.0
QSOX1	3	11.3	5.3	6.0	-0.7
STXBP3	1	70.8	65.0	5.7	59.3
PHF13	11	26.6	1.3	25.3	-23.9
ERRFI1	0	4.1	1.7	2.4	-0.7
PARK7	0	4.7	1.9	2.8	-0.9
AMPD2	0	8.4	3.3	5.1	-1.8
SRSF4	1	9.8	5.4	4.3	1.1
MECR	0	10.3	4.3	6.1	-1.8
EDEM3	1	18.7	15.3	3.3	12.0
WDR77	0	13.1	5.2	7.9	-2.7
ATP5F1	1	30.7	26.8	3.9	22.9

RAP1A	1	27.4	24.6	2.8	21.8
HDAC1	0	6.2	2.6	3.6	-1.1
CAPZA1	1	116.7	110.2	6.5	103.8
S100PBP	0	13.0	3.0	10.0	-6.9
RNF19B	2	17.1	4.7	12.3	-7.6
SCAMP3	9	20.3	5.9	14.4	-8.4
ASH1L	1	14.4	9.4	5.0	4.4
SFPQ	1	77.9	72.4	5.5	66.9
RHOU	4	15.5	7.3	8.2	-0.9
GON4L	9	10.6	2.7	7.8	-5.1
ARHGEF2	9	9.0	1.0	8.1	-7.1
LAMTOR2	9	18.9	3.7	15.2	-11.5
MEF2D	9	14.2	2.7	11.5	-8.8
DOCK7	1	51.8	43.0	8.8	34.2
SRM	0	12.2	5.6	6.6	-1.0
C1orf21	3	9.0	2.7	6.4	-3.7
MAD2L2	0	14.1	5.2	9.0	-3.8
IVNS1ABP	1	18.3	14.2	4.1	10.1
KIAA2013	2	39.6	19.7	19.9	-0.2
MFN2	0	12.3	5.4	6.9	-1.5
MIIP	2	26.9	12.6	14.3	-1.8
SMG7	9	9.6	1.1	8.5	-7.4
NCF2	3	7.7	2.6	5.1	-2.6
SLC35D1	4	15.2	5.1	10.1	-4.9
GADD45A	0	8.0	3.1	4.8	-1.7
WLS	3	8.5	3.6	4.9	-1.3
PRDM2	0	10.2	5.3	4.9	0.3
RGS2	4	10.8	2.9	7.9	-5.0
TROVE2	1	28.3	24.9	3.3	21.6
UCHL5	1	43.5	36.3	7.3	29.0
BCAS2	1	56.9	51.4	5.5	45.9
SRSF11	1	109.5	105.5	4.0	101.5
CTH	0	7.9	3.4	4.5	-1.1
OLFML3	0	8.7	3.3	5.4	-2.2
PLEKHM2	3	16.7	4.2	12.4	-8.2
CRYZ	1	14.4	10.6	3.8	6.8
PHTF1	1	8.1	5.0	3.1	1.9
ZBTB17	2	18.6	6.5	12.1	-5.5
CD58	1	9.1	5.4	3.8	1.6
TTF2	6	24.4	3.0	21.4	-18.4
TMEM9	9	7.0	0.6	6.4	-5.7
ADPRHL2	2	20.0	7.2	12.8	-5.6
MAP7D1	3	24.5	15.1	9.4	5.7
WARS2	0	7.4	2.4	5.0	-2.6
MRPS15	0	16.4	6.4	10.0	-3.6
GNPAT	0	6.6	2.2	4.5	-2.3
TSNAX	1	53.7	50.1	3.7	46.4
C1orf109	0	9.4	4.3	5.2	-0.9
RRAGC	0	9.3	3.4	5.9	-2.5
TBCE	1	17.6	10.5	7.1	3.4
NID1	0	8.9	4.0	4.9	-1.0
LGALS8	1	6.4	3.4	3.0	0.4
MTR	1	13.8	8.8	5.0	3.9
SIPA1L2	0	5.0	2.2	2.8	-0.5

AKT3	3	21.2	7.1	14.1	-7.0
ETV3	9	8.0	2.1	5.9	-3.8
ACADM	1	62.4	58.1	4.3	53.8
ADGRL2	1	8.2	4.9	3.4	1.5
SDHB	6	24.5	8.2	16.3	-8.1
MFAP2	0	10.6	5.2	5.4	-0.2
RPF1	1	42.8	37.3	5.4	31.9
KDM5B	0	8.2	4.2	4.0	0.1
UAP1	1	23.0	17.8	5.2	12.6
CTBS	0	7.5	3.0	4.5	-1.6
KLHL12	0	7.9	3.6	4.3	-0.7
SSX2IP	1	18.2	13.4	4.8	8.5
ZNHIT6	1	18.7	14.8	3.9	10.9
RBBP5	0	8.7	3.7	5.0	-1.4
GBP3	3	10.6	3.5	7.1	-3.7
GBP1	0	11.6	2.1	9.4	-7.3
GPR89A	2	11.9	3.2	8.7	-5.6
CDK18	0	10.8	4.0	6.9	-2.9
RAB29	0	10.6	4.8	5.8	-1.0
ECE1	3	15.0	7.9	7.1	0.8
HMGCL	2	21.5	7.0	14.6	-7.6
GALE	0	11.9	4.1	7.8	-3.7
ID3	0	8.9	3.2	5.6	-2.4
CD46	1	85.7	82.4	3.4	79.0
PRPF3	9	10.0	2.9	7.2	-4.3
APH1A	9	19.6	4.4	15.2	-10.8
P3H1	0	7.7	4.1	3.6	0.5
SLC2A1	3	7.6	3.2	4.4	-1.2
EBNA1BP2	0	14.0	5.8	8.2	-2.5
CDC20	5	28.2	17.2	10.9	6.3
IPO13	0	11.3	5.3	6.0	-0.7
ATP6V0B	2	15.5	5.6	9.9	-4.3
B4GALT2	2	21.6	8.3	13.2	-4.9
ERI3	2	17.7	5.7	12.0	-6.3
AKR1A1	0	7.4	3.5	4.0	-0.5
PRDX1	1	16.7	8.2	8.6	-0.4
BLZF1	1	20.2	15.7	4.5	11.3
SLC19A2	4	15.5	3.8	11.7	-7.8
NSUN4	2	13.0	4.6	8.4	-3.8
TMED5	1	47.6	43.8	3.8	40.0
DR1	1	18.6	14.7	3.9	10.8
CNN3	1	23.3	16.6	6.7	9.9
PRRC2C	1	54.1	50.3	3.8	46.5
F3	1	7.1	3.5	3.7	-0.2
ABCD3	1	32.3	27.8	4.5	23.3
VAMP4	0	7.9	2.2	5.6	-3.4
DPH5	0	14.4	4.2	10.2	-6.0
PTBP2	1	24.3	20.3	4.0	16.4
PRDX6	9	8.1	0.8	7.2	-6.4
DARS2	7	10.9	0.9	10.0	-9.1
DIEXF	0	6.2	2.2	4.0	-1.8
RCAN3	0	6.2	2.5	3.6	-1.1
SYF2	1	23.9	20.8	3.2	17.6
RSRP1	1	21.4	17.7	3.7	14.0

SLC35A3	1	30.0	25.4	4.6	20.8
RCOR3	1	16.8	12.9	3.8	9.1
STMN1	5	9.2	2.0	7.1	-5.1
MTFR1L	0	12.3	6.5	5.8	0.7
NEK2	7	22.8	4.5	18.2	-13.7
RPS6KA1	2	28.1	13.5	14.6	-1.2
DHDDS	0	12.0	5.3	6.7	-1.4
NENF	0	14.4	6.0	8.4	-2.4
NSL1	1	16.2	11.3	4.9	6.4
ARID1A	0	9.1	4.8	4.2	0.6
CENPF	7	58.4	9.2	49.1	-39.9
RPA2	0	11.5	4.9	6.7	-1.8
PPP1R8	1	10.5	5.3	5.2	0.1
STX12	3	8.3	2.6	5.7	-3.2
OSBPL9	1	79.2	72.2	7.0	65.1
TXNDC12	1	7.9	4.3	3.6	0.7
ESYT2	0	8.0	2.4	5.6	-3.1
CD3EAP	2	15.0	5.0	10.0	-5.1
MESDC2	4	9.9	2.5	7.4	-4.8
RCN2	1	43.8	39.7	4.2	35.5
CTSD	3	20.7	7.4	13.3	-5.9
STAG1	1	26.2	22.4	3.8	18.5
STK11	8	16.0	4.6	11.4	-6.8
KMT2A	1	15.1	9.0	6.1	2.9
IFT46	0	12.7	6.9	5.8	1.2
KPTN	0	9.4	4.2	5.1	-0.9
RPS25	1	17.1	9.0	8.1	0.9
KIF14	7	34.5	7.5	27.0	-19.5
DDX59	1	8.4	4.1	4.3	-0.2
CAMSAP2	1	31.0	26.0	5.0	21.0
ATF6	3	7.8	2.2	5.6	-3.5
FASTKD2	1	34.0	27.0	7.1	19.9
NRP2	3	11.9	4.7	7.2	-2.4
CREB1	1	50.6	43.3	7.3	36.0
KLF7	1	12.5	7.2	5.3	1.9
SPCS2	1	84.2	75.2	9.1	66.1
HMGN3	1	14.3	10.1	4.2	5.9
ANKRD13C	1	24.0	20.7	3.3	17.3
PHF3	1	42.9	38.8	4.1	34.7
TNFAIP3	0	5.3	2.6	2.7	-0.2
RAB32	0	6.9	2.5	4.3	-1.8
SGK1	0	6.6	2.0	4.6	-2.6
RNF146	1	20.2	17.3	2.9	14.4
CTGF	0	5.4	2.0	3.3	-1.3
PMFBP1	2	17.8	6.0	11.8	-5.8
FBXL5	3	13.3	6.0	7.3	-1.3
MED28	0	8.9	4.1	4.8	-0.7
TMEM5	0	8.4	2.7	5.7	-2.9
VAMP8	4	12.6	4.4	8.3	-3.9
DCLRE1B	0	13.4	5.2	8.2	-3.0
MYL12B	0	4.4	2.0	2.4	-0.5
FOXO3	0	8.3	3.5	4.8	-1.3
RPN2	1	14.7	9.1	5.6	3.5
TGIF2	0	15.4	6.2	9.2	-3.1

PKD2	1	15.7	11.1	4.6	6.5
SPP1	0	6.7	2.8	3.9	-1.1
CCNI	1	17.8	10.5	7.3	3.2
MFSD1	3	11.5	3.3	8.2	-4.8
RAB3GAP2	1	37.6	33.9	3.7	30.2
EEF2KMT	12	20.0	3.6	16.4	-12.7
UBN1	0	9.8	4.8	4.9	-0.1
UCHL3	1	12.0	6.7	5.3	1.4
HS1BP3	0	11.8	5.0	6.8	-1.8
LDAH	1	12.0	8.9	3.1	5.7
ELL2	1	15.1	12.2	2.9	9.2
CYP20A1	7	10.6	1.1	9.4	-8.3
NDUFB3	1	17.2	10.2	7.0	3.2
GTF3C3	1	70.9	60.0	10.9	49.1
UBE2B	1	73.3	63.7	9.6	54.1
TJP2	0	10.9	3.1	7.8	-4.7
ITGB1BP1	7	18.7	2.3	16.3	-14.0
CPSF3	1	25.2	19.7	5.5	14.3
SENP5	1	14.6	10.0	4.7	5.3
CCDC92	8	9.9	1.7	8.2	-6.6
C1orf198	0	7.2	2.9	4.3	-1.4
HEATR1	1	21.3	16.0	5.3	10.7
PTBP3	1	40.3	36.1	4.2	31.8
RAD23B	1	34.6	30.6	3.9	26.7
FKBP15	10	12.7	2.8	9.9	-7.1
CTNNAL1	7	16.4	2.7	13.8	-11.1
FAM206A	1	26.5	21.4	5.1	16.3
WDR34	10	22.5	2.5	20.1	-17.6
SET	1	32.0	27.3	4.8	22.5
PPP2R4	10	15.3	3.6	11.7	-8.1
GLE1	10	16.9	4.5	12.3	-7.8
RAB14	1	10.3	6.5	3.8	2.7
TRIM32	10	17.6	2.5	15.1	-12.6
FBXW2	1	11.4	6.9	4.4	2.5
PHF19	5	11.4	2.2	9.1	-6.9
NEK6	3	15.5	8.2	7.3	0.9
PPP6C	6	20.2	3.0	17.1	-14.1
NDUFA8	10	14.2	3.8	10.4	-6.6
HDHD3	4	31.2	10.9	20.3	-9.5
RBM18	6	24.8	3.7	21.0	-17.3
HSDL2	1	23.4	19.2	4.2	15.0
MAPKAP1	0	5.4	1.9	3.6	-1.7
INVS	10	10.2	1.3	9.0	-7.7
DENND1A	10	14.6	1.8	12.8	-11.1
ALG2	10	12.1	1.7	10.4	-8.7
KDSR	3	11.8	5.1	6.8	-1.7
VPS4B	1	15.6	12.2	3.4	8.8
C19orf25	8	27.3	8.0	19.3	-11.3
ZBTB45	2	39.6	18.4	21.3	-2.9
YLPM1	0	10.6	4.8	5.8	-0.9
DCAF4	0	7.6	2.8	4.8	-1.9
FCF1	1	23.5	19.5	4.0	15.5
IFI27L2	3	17.4	9.2	8.2	1.0
NEK9	0	8.0	4.1	3.9	0.2

ACYP1	0	9.3	2.9	6.4	-3.5
IFT43	0	13.5	5.2	8.3	-3.0
NPC2	3	8.1	2.6	5.5	-2.9
DNAL1	0	7.4	3.0	4.4	-1.4
IRF2BPL	0	16.7	6.7	10.0	-3.3
ACOT2	4	27.8	5.9	21.9	-16.0
AREL1	0	12.0	6.6	5.3	1.3
MLH3	1	10.4	7.3	3.1	4.2
TTLL5	7	8.6	0.7	7.9	-7.2
ABCD4	0	8.1	3.8	4.3	-0.5
DLST	0	9.4	4.8	4.7	0.1
SLIRP	1	18.8	11.2	7.6	3.5
RBM25	1	85.3	80.4	4.9	75.5
EIF2B2	0	11.3	4.9	6.4	-1.5
NRDE2	0	9.4	4.4	5.0	-0.6
COQ6	2	27.7	13.3	14.4	-1.0
ZNF410	0	9.9	2.9	7.0	-4.1
RHOQ	1	15.6	11.8	3.8	8.0
SUPT7L	0	7.7	3.5	4.2	-0.7
KLHL29	2	14.2	4.2	10.0	-5.8
DNMT3A	0	13.2	6.7	6.5	0.2
TMEM214	0	11.0	5.7	5.3	0.4
FKBP1B	0	7.8	3.6	4.1	-0.5
ATL2	1	53.9	49.8	4.2	45.6
YPEL5	1	17.2	9.2	8.0	1.3
FAM98A	1	42.7	39.3	3.4	35.9
YIPF4	1	33.5	29.1	4.4	24.8
AFTPH	1	13.6	9.7	3.9	5.8
LGALSL	4	17.7	4.1	13.5	-9.4
CRIPT	1	14.2	8.5	5.7	2.8
SLC17A5	0	8.5	4.3	4.2	0.1
OGFRL1	3	13.4	3.9	9.6	-5.7
SLF2	1	16.1	9.6	6.5	3.0
IDE	1	36.5	30.6	5.9	24.7
IFIT3	3	10.1	3.3	6.8	-3.4
CUTC	0	9.7	3.3	6.4	-3.1
PPP1R3C	0	5.2	2.0	3.2	-1.2
MXI1	0	6.7	3.0	3.6	-0.6
SMNDC1	0	10.8	3.6	7.2	-3.6
C10orf88	1	16.6	9.9	6.7	3.2
HELLS	7	38.2	6.1	32.0	-25.9
TCTN3	0	7.5	4.0	3.5	0.6
FAM45A	1	15.5	11.8	3.8	8.0
AVPI1	2	17.0	6.8	10.3	-3.5
WDR11	1	33.9	29.0	4.9	24.1
C10orf76	0	16.2	7.3	8.9	-1.6
GOT1	4	12.7	3.1	9.6	-6.5
GNA13	1	41.9	37.8	4.1	33.8
KANSL1	0	12.2	4.7	7.4	-2.7
DUSP1	0	6.4	2.6	3.9	-1.3
PANK3	1	71.0	59.6	11.4	48.2
RCL1	0	8.7	3.7	5.1	-1.4
CAAP1	1	8.7	5.6	3.0	2.6
NUP43	1	21.7	14.1	7.6	6.4

MTHFD1L	0	8.4	3.6	4.8	-1.3
LRP11	1	9.7	5.7	4.1	1.6
PCMT1	1	29.1	23.2	5.9	17.3
CYSTM1	4	15.9	5.2	10.8	-5.6
WDR55	2	18.3	8.0	10.3	-2.2
MRPS14	0	9.5	3.2	6.3	-3.1
CENPL	0	10.4	2.9	7.5	-4.7
GORAB	1	13.4	10.0	3.4	6.7
ACAT2	5	12.0	3.7	8.2	-4.5
TCP1	1	18.7	13.3	5.5	7.8
SNX19	3	11.1	4.7	6.4	-1.8
PDZD11	3	16.4	4.4	12.0	-7.7
NUDCD1	1	20.8	15.8	5.0	10.8
ENY2	1	35.4	32.4	3.0	29.4
MASTL	7	21.0	3.7	17.3	-13.6
KIAA1217	0	6.2	2.7	3.4	-0.7
EPC1	1	13.4	10.6	2.8	7.8
CCDC77	1	32.9	26.5	6.4	20.2
TAF12	0	6.9	3.0	3.9	-0.8
MTRF1	1	15.6	10.8	4.8	6.0
DNAJC15	0	6.9	2.7	4.2	-1.5
PROSER1	1	11.6	5.9	5.7	0.2
UFM1	1	38.6	35.0	3.6	31.4
WBP4	1	20.4	15.4	5.0	10.4
ELF1	1	14.2	8.4	5.8	2.6
HSPH1	1	97.9	87.0	10.9	76.1
ALG5	0	10.8	3.2	7.6	-4.5
EXOSC8	1	59.4	44.8	14.6	30.2
ETF1	1	81.7	75.5	6.2	69.4
TGFBI	3	9.2	4.1	5.1	-1.0
FAM53C	2	14.1	4.8	9.3	-4.5
SIL1	0	7.9	4.0	3.9	0.1
PAIP2	1	82.7	75.7	7.0	68.8
KDM3B	0	8.4	3.3	5.1	-1.9
EGR1	0	8.5	3.5	5.0	-1.4
SERP1	4	10.7	2.5	8.2	-5.7
PLS1	4	12.4	3.6	8.8	-5.2
NR2C1	1	42.2	38.3	3.8	34.5
UTP20	1	28.0	18.8	9.2	9.6
TMPO	7	28.4	4.3	24.2	-19.9
ARL1	1	71.4	66.6	4.8	61.8
MTERF2	1	21.2	16.2	5.0	11.2
SOCS2	0	6.4	2.5	3.9	-1.4
NFYB	1	50.7	42.0	8.7	33.3
CCDC53	1	10.7	5.2	5.5	-0.3
APAF1	1	15.8	10.7	5.1	5.6
DUSP4	0	5.7	2.6	3.0	-0.4
CLU	5	5.9	1.1	4.8	-3.7
TNFRSF10B	0	7.1	3.4	3.7	-0.2
SORBS3	0	7.0	3.0	4.0	-0.9
PPP3CC	0	6.2	2.9	3.3	-0.4
PDLIM2	0	13.2	5.6	7.5	-1.9
RNF170	1	9.4	5.6	3.8	1.8
UBIAD1	2	31.1	15.5	15.6	-0.1

TARDBP	1	122.0	114.9	7.1	107.7
ZNF706	1	10.9	6.4	4.5	1.9
LYPLA1	1	56.0	51.9	4.1	47.9
COPS5	1	23.1	20.4	2.8	17.6
RDH10	0	7.1	2.7	4.4	-1.7
AKAP1	4	14.9	4.7	10.1	-5.4
COIL	1	11.6	5.9	5.8	0.1
TRIM25	0	9.5	4.2	5.4	-1.2
SCPEP1	0	7.3	3.1	4.1	-1.0
SPOP	1	14.1	11.0	3.1	7.8
SLC35B1	0	7.5	2.5	5.0	-2.5
NCAPH	5	30.1	14.3	15.9	-1.6
KIAA0922	0	8.3	3.9	4.4	-0.6
MND1	7	23.0	4.2	18.8	-14.6
TRIM6	3	6.4	1.8	4.6	-2.8
CEP89	3	9.8	2.8	7.1	-4.3
ECHDC2	0	9.7	4.5	5.2	-0.7
PYROXD1	1	12.8	10.0	2.8	7.2
PSPC1	0	11.1	4.1	7.1	-3.0
ZNF211	0	6.7	3.3	3.4	-0.1
RNF2	1	16.8	11.7	5.1	6.6
TRMT1L	1	20.4	14.9	5.5	9.4
SEC22A	0	9.3	4.0	5.3	-1.3
B4GALT4	0	6.6	2.0	4.6	-2.6
NAA50	1	29.1	25.6	3.6	22.0
KIF18A	7	32.8	7.0	25.8	-18.8
DESI2	1	14.6	10.5	4.0	6.5
MAPK8IP1	0	13.3	5.3	8.0	-2.7
CRY2	2	33.0	13.6	19.3	-5.7
PEX16	2	14.7	5.4	9.3	-3.9
CAT	4	8.8	3.3	5.5	-2.3
PILRB	0	9.6	3.8	5.8	-2.1
ZMYM2	1	54.7	50.6	4.1	46.6
TBC1D15	1	71.2	65.0	6.2	58.8
ZCCHC17	0	12.8	5.3	7.5	-2.1
KHDRBS1	1	20.4	14.9	5.5	9.4
TMEM39B	10	14.9	1.1	13.7	-12.6
POLR3GL	3	11.0	3.0	8.0	-5.0
TNFSF10	0	8.3	3.3	5.0	-1.7
ZNF639	1	24.5	21.8	2.7	19.1
PIK3CA	1	16.3	13.2	3.1	10.1
PDS5A	1	69.5	61.3	8.2	53.1
TMEM156	3	7.8	2.6	5.2	-2.6
LIAS	0	8.2	2.5	5.7	-3.3
TMEM54	3	15.7	5.2	10.5	-5.2
LRIF1	1	13.2	8.5	4.6	3.9
CLCC1	1	35.0	26.5	8.5	18.0
GPSM2	7	22.5	3.7	18.8	-15.0
GTDC1	1	9.2	5.7	3.5	2.2
POLK	1	32.2	26.2	5.9	20.3
RPL21	1	21.9	16.6	5.3	11.3
MTIF3	1	12.9	9.7	3.2	6.5
GTF3A	0	10.6	4.3	6.3	-1.9
RASL11A	4	11.1	3.3	7.8	-4.4

UBL3	1	12.0	9.6	2.4	7.2
FYTTD1	1	53.0	48.1	4.9	43.2
MTERF4	0	8.7	3.3	5.4	-2.0
OCRL	0	5.6	2.8	2.8	0.0
MRPS2	10	27.2	8.1	19.1	-11.0
KIAA1191	0	7.7	3.6	4.1	-0.5
COPA	9	9.6	1.3	8.2	-6.9
RBBP6	1	17.7	13.8	3.9	10.0
ZC3H7A	1	58.2	53.8	4.4	49.5
ANXA11	5	10.0	2.1	7.9	-5.8
FAM35A	0	11.3	4.2	7.1	-2.9
FAM213A	0	5.7	2.0	3.7	-1.7
ZNF205	12	24.7	3.2	21.5	-18.3
NAA60	4	11.9	4.2	7.7	-3.4
RPL5	1	29.1	22.5	6.6	15.9
ODF2L	1	15.4	11.3	4.0	7.3
TRMT13	1	23.4	19.7	3.7	16.0
RWDD3	1	29.6	23.2	6.3	16.9
ZNF644	1	64.4	58.0	6.4	51.7
CCDC18	1	46.2	37.2	9.0	28.2
RPAP2	1	36.5	26.8	9.8	17.0
PQLC1	2	35.8	18.2	17.5	0.7
PMS2	0	11.1	4.7	6.4	-1.7
ZMIZ2	3	18.4	7.2	11.2	-4.1
7-Sep	1	117.8	112.0	5.8	106.1
EEPD1	0	13.5	5.6	7.8	-2.2
KLHL7	1	12.1	6.9	5.2	1.7
HERPUD2	0	7.5	2.8	4.7	-1.9
CBX3	1	101.0	95.9	5.1	90.8
HNRNPA2B1	1	108.6	101.9	6.7	95.1
FAM126A	1	25.5	19.3	6.2	13.1
FKBP9	0	8.6	3.8	4.8	-1.0
NT5C3A	1	14.0	9.5	4.5	5.1
ARL4A	0	6.3	2.3	4.0	-1.7
POLM	2	19.7	7.1	12.6	-5.4
FTSJ2	0	10.0	3.7	6.4	-2.7
SMU1	0	7.6	3.2	4.4	-1.2
GLIPR2	3	15.9	8.2	7.7	0.5
SLC25A51	0	8.0	3.4	4.6	-1.2
CLTA	0	11.6	4.2	7.4	-3.2
ACO1	3	5.8	2.0	3.8	-1.8
DCAF10	0	7.1	2.6	4.6	-2.0
KIAA1549	0	13.5	6.0	7.5	-1.4
TRIM24	1	17.1	10.1	7.1	3.0
C7orf49	0	8.4	3.4	5.0	-1.5
CALD1	1	78.2	73.6	4.7	68.9
PLAU	3	14.9	7.7	7.1	0.6
SRGN	0	7.9	1.8	6.0	-4.2
CHST3	0	10.3	3.6	6.7	-3.1
BICC1	3	14.9	7.3	7.6	-0.2
CISD1	6	20.3	5.8	14.5	-8.7
ECD	7	13.8	1.3	12.4	-11.1
P4HA1	1	18.4	14.5	3.9	10.5
SLC25A16	1	10.1	6.2	3.9	2.3

ZWINT	5	30.5	19.7	10.9	8.8
VPS26A	1	64.9	55.0	9.9	45.1
RBM19	2	20.7	6.7	14.0	-7.3
CIT	7	12.6	1.3	11.3	-10.0
IFT81	1	18.8	15.2	3.6	11.6
ACADS	4	31.3	8.4	23.0	-14.6
DDX54	5	17.6	5.6	12.0	-6.4
MED13L	1	24.1	19.7	4.4	15.2
CDKN2C	3	13.6	5.0	8.5	-3.5
RNF11	1	17.9	10.9	6.9	4.0
RASSF8	1	17.7	13.2	4.5	8.6
BHLHE41	3	13.2	6.2	7.0	-0.8
ITPR2	1	6.5	4.1	2.4	1.7
CCDC91	1	17.6	15.2	2.4	12.8
WWP1	1	21.6	16.8	4.8	12.0
ACOT9	0	8.4	3.6	4.8	-1.3
PRDX4	0	7.5	3.8	3.7	0.1
DDX39A	8	19.2	5.7	13.5	-7.8
PKN1	8	12.4	2.3	10.1	-7.8
C19orf43	8	25.5	11.3	14.1	-2.8
ADGRE5	0	15.5	5.5	10.0	-4.5
WDR83	8	21.8	5.9	15.9	-10.1
GIPC1	8	11.5	2.4	9.1	-6.7
SPRYD7	0	8.1	3.1	5.0	-1.9
EBPL	0	15.0	6.0	8.9	-2.9
ZC3H13	1	24.3	20.4	3.8	16.6
NLN	1	15.7	10.3	5.4	5.0
CENPK	7	52.5	8.8	43.7	-34.9
OPTN	3	16.0	7.3	8.7	-1.3
ATF1	1	50.5	46.4	4.1	42.4
TSFM	0	15.7	5.7	9.9	-4.2
PFDN5	0	12.7	5.3	7.4	-2.1
SPATS2	1	17.4	14.4	3.0	11.4
ORMDL2	0	7.7	3.0	4.8	-1.8
NR4A1	0	10.6	3.9	6.7	-2.8
CDK2	5	15.5	5.3	10.2	-4.8
LRP1	0	10.4	5.3	5.1	0.3
ATG101	2	12.0	4.2	7.8	-3.5
SMUG1	2	16.8	6.0	10.8	-4.8
TUBA1B	5	26.1	15.8	10.3	5.4
KBTBD4	2	19.4	7.3	12.1	-4.8
ATPAF1	0	9.0	3.2	5.8	-2.7
STIL	7	26.2	5.4	20.8	-15.4
HJURP	5	18.6	6.0	12.6	-6.5
AMD1	1	59.5	51.2	8.4	42.8
NDUFAF4	6	31.3	4.6	26.7	-22.1
MORF4L2	1	41.7	38.7	3.0	35.7
FAM199X	1	13.3	9.9	3.4	6.5
RAB9A	1	9.2	4.5	4.7	-0.2
METTL8	1	16.9	10.8	6.0	4.8
TTC21B	1	24.4	18.6	5.7	12.9
NMI	0	8.4	2.6	5.7	-3.1
BAZ2B	1	21.1	18.1	3.0	15.2
SLC36A1	2	12.1	3.8	8.3	-4.6

LPGAT1	1	11.1	6.4	4.7	1.7
G0S2	3	7.7	2.4	5.2	-2.8
RAP2C	1	8.0	4.7	3.3	1.4
EXOSC9	1	41.1	33.1	8.0	25.1
PLA2G12A	6	11.6	2.3	9.3	-7.0
B9D2	10	17.8	1.3	16.5	-15.2
ADCK4	0	13.3	5.7	7.6	-1.9
PFKFB2	0	7.4	2.8	4.7	-1.9
C4BPB	0	8.2	2.9	5.3	-2.5
AGO2	0	9.8	2.9	6.8	-3.9
MXD4	8	11.1	1.7	9.4	-7.7
CKS2	5	28.6	17.8	10.8	6.9
ACSL3	1	77.1	71.3	5.8	65.6
CHPF	0	13.4	6.6	6.9	-0.3
DNPEP	6	10.2	2.1	8.0	-5.9
OBSL1	0	8.3	4.6	3.7	0.9
SLC12A4	0	12.2	6.2	6.0	0.1
ENKD1	2	17.4	5.8	11.6	-5.7
FAM210B	0	8.1	3.7	4.4	-0.7
SNX21	2	25.1	8.3	16.8	-8.5
SLPI	4	9.5	3.1	6.5	-3.4
TTPAL	0	9.2	4.7	4.5	0.2
SDC4	0	8.1	3.2	4.9	-1.6
NCOA3	1	14.2	10.9	3.3	7.6
PIGT	0	13.6	6.1	7.5	-1.4
NCOA5	0	15.1	6.6	8.5	-1.9
VAPB	1	9.3	4.4	4.9	-0.5
ATP5E	6	42.1	17.9	24.2	-6.3
CHD6	1	21.2	16.4	4.8	11.5
PLCG1	1	17.6	9.6	8.0	1.6
SRSF6	1	20.5	15.4	5.1	10.4
ARFGEF2	1	29.9	26.0	3.9	22.1
ZNFX1	3	11.2	4.4	6.8	-2.4
CSE1L	1	95.7	79.7	16.0	63.6
TMEM189-U	0	7.0	3.3	3.7	-0.4
RAB22A	0	7.2	2.7	4.5	-1.7
STAU1	1	9.5	5.4	4.2	1.2
STX16	1	27.3	24.3	3.0	21.3
PMEPA1	3	19.3	10.5	8.8	1.7
RNF114	0	6.7	3.0	3.7	-0.7
DDX27	1	20.5	11.3	9.3	2.0
BCAS4	0	8.0	3.5	4.6	-1.1
MTRR	1	27.3	22.8	4.6	18.2
FASTKD3	1	11.6	5.6	6.0	-0.3
PEPD	4	11.7	4.2	7.5	-3.2
IQSEC2	3	10.6	3.4	7.2	-3.8
VAMP7	1	33.9	28.8	5.0	23.8
STAMBP	0	6.7	2.1	4.6	-2.5
NAGK	3	10.4	3.8	6.6	-2.8
MCEE	0	10.7	3.8	6.9	-3.1
SNRNP27	0	6.9	2.3	4.6	-2.4
MPHOSPH10	1	46.0	40.7	5.3	35.3
USP22	0	9.1	4.4	4.7	-0.3
ZNF576	2	20.2	8.6	11.7	-3.1

ZNF45	1	9.0	5.4	3.5	1.9
USP9X	1	45.8	41.4	4.4	37.1
BTN2A2	0	9.9	4.4	5.5	-1.2
SIRT5	2	18.8	7.9	10.9	-3.0
MRS2	0	7.2	2.9	4.3	-1.4
WRNIP1	2	10.7	3.5	7.2	-3.7
RRP36	0	10.8	4.8	6.0	-1.2
SNRPC	5	17.2	5.8	11.4	-5.5
SERPINB6	3	14.6	5.1	9.5	-4.4
XPO5	6	32.7	7.4	25.3	-18.0
ABCC10	0	10.5	4.8	5.7	-0.9
PEX6	2	16.0	5.7	10.3	-4.6
NQO2	0	8.0	3.9	4.1	-0.2
OARD1	1	9.0	5.4	3.6	1.8
AARS2	2	32.4	15.7	16.7	-1.0
RPS10	10	26.5	2.3	24.2	-21.9
MED20	0	12.2	5.7	6.6	-0.9
TBCC	2	23.3	9.6	13.7	-4.0
MAD2L1BP	2	17.6	6.4	11.3	-4.9
KLHDC3	11	19.6	1.8	17.8	-16.0
MEA1	0	15.1	6.3	8.8	-2.5
CDKN1A	0	11.8	4.4	7.5	-3.1
SOX4	0	10.3	4.9	5.4	-0.4
GLO1	1	34.3	25.4	8.9	16.4
RREB1	4	17.1	6.2	10.9	-4.7
SSR1	1	48.1	45.2	3.0	42.2
RIOK1	1	22.4	15.5	6.9	8.6
SLC35B3	1	12.7	9.5	3.2	6.2
RPP40	0	11.4	4.3	7.2	-2.9
ATXN1	0	7.1	2.6	4.5	-1.9
NUP153	1	28.5	20.5	8.0	12.5
DEK	1	86.8	77.5	9.3	68.2
EEF1E1	1	41.7	32.0	9.7	22.4
LRRFIP1	1	27.9	22.1	5.7	16.4
MYRF	4	14.5	3.9	10.6	-6.7
AHNAK	3	15.3	9.3	6.1	3.2
EMC3	0	11.1	5.8	5.3	0.5
SH3TC1	0	12.8	4.7	8.1	-3.4
CNOT1	1	56.1	45.9	10.2	35.7
BBS2	6	24.6	5.6	19.0	-13.4
MT2A	3	15.0	8.4	6.6	1.8
C16orf70	0	12.9	6.7	6.2	0.5
GOT2	2	16.3	5.6	10.7	-5.2
DOK4	4	23.0	10.3	12.8	-2.5
TMTC4	0	6.8	3.6	3.3	0.3
RAP2A	1	16.0	12.6	3.3	9.3
ABCC4	0	6.5	1.8	4.7	-2.9
TM9SF2	1	11.0	6.5	4.5	1.9
C17orf53	2	29.8	13.0	16.7	-3.7
IRF1	3	24.5	12.7	11.8	1.0
UPF3B	1	21.0	15.4	5.5	9.9
RNF113A	2	17.7	6.8	10.9	-4.1
6-Sep	0	6.5	3.4	3.1	0.3
NDUFA1	0	10.7	5.6	5.1	0.4

ATP5S	0	8.5	2.7	5.9	-3.2
BMP4	0	5.9	2.8	3.1	-0.3
FAM193A	8	16.1	2.8	13.3	-10.4
SOX9	0	9.5	4.2	5.3	-1.0
MRPS7	5	17.8	3.7	14.1	-10.4
GGA3	0	6.8	3.4	3.4	0.0
ARMC7	2	26.4	9.6	16.8	-7.1
NUP85	5	16.4	6.1	10.3	-4.2
SLC25A19	2	24.6	9.3	15.3	-6.0
MIF4GD	2	13.5	4.6	9.0	-4.4
NT5C	0	7.2	3.1	4.2	-1.1
MST01	9	15.8	2.4	13.4	-11.0
TTF1	1	14.1	9.4	4.7	4.8
GTF3C4	10	10.1	1.6	8.6	-7.0
DDX31	10	19.0	4.1	14.9	-10.8
PPP1R12C	0	13.1	5.8	7.2	-1.4
MBOAT7	3	17.7	9.1	8.6	0.5
SLC2A4RG	5	8.4	2.2	6.2	-4.0
PPDPF	0	5.7	2.9	2.8	0.1
CHCHD5	2	12.6	4.6	7.9	-3.3
INSIG2	1	9.1	5.8	3.3	2.4
POLR1B	1	14.5	7.2	7.3	-0.1
CCDC93	1	15.9	12.2	3.7	8.5
SLC25A23	8	14.7	2.9	11.8	-8.8
GTF2F1	8	12.7	4.5	8.2	-3.7
ALKBH7	2	17.9	6.0	11.9	-5.8
CLPP	8	24.8	9.3	15.5	-6.2
THOC2	1	78.6	74.5	4.1	70.4
MED1	1	32.8	28.7	4.1	24.6
RPL23	1	24.8	20.1	4.7	15.4
ATG4C	1	39.5	30.8	8.7	22.1
C3	0	9.6	4.0	5.6	-1.7
TRIP10	0	6.4	2.3	4.1	-1.8
GPR108	0	9.7	4.2	5.5	-1.3
OPA3	2	17.1	5.9	11.2	-5.2
SNRPD2	5	11.4	2.3	9.1	-6.8
RTN2	0	6.2	2.5	3.6	-1.1
EML2	0	6.0	2.7	3.3	-0.5
VASP	0	7.6	2.4	5.3	-2.9
SYMPK	0	7.3	3.5	3.8	-0.3
GPCPD1	1	13.2	9.2	4.0	5.3
PANK2	7	14.1	1.4	12.7	-11.2
FOXA2	4	23.0	4.8	18.2	-13.4
GZF1	1	14.1	9.3	4.8	4.6
CENPB	0	24.3	7.4	16.9	-9.5
PSMF1	0	6.2	2.6	3.6	-0.9
DTD1	0	6.5	2.8	3.7	-0.9
RBCK1	3	9.7	3.4	6.3	-3.0
TMX4	0	8.8	4.7	4.1	0.5
STK35	2	23.8	9.4	14.4	-5.0
SNRPB	5	22.3	8.7	13.6	-4.9
NRSN2	0	6.0	2.8	3.1	-0.3
AP5S1	2	18.7	6.8	11.9	-5.2
RRBP1	0	8.5	4.2	4.2	0.0

ZNF133	0	13.9	7.2	6.7	0.5
FLRT3	0	7.7	2.5	5.2	-2.7
MKKS	6	19.4	6.1	13.4	-7.3
DSTN	3	15.7	6.1	9.6	-3.5
SNRPB2	1	50.0	44.8	5.1	39.7
MGME1	7	29.3	4.0	25.3	-21.2
TBC1D20	0	8.9	4.5	4.4	0.2
ITPA	0	9.8	3.7	6.1	-2.3
MCM8	7	42.2	6.6	35.5	-28.9
FAM110A	2	42.8	21.8	21.1	0.7
MRPS26	2	21.9	6.3	15.6	-9.3
NCLN	8	30.2	7.7	22.4	-14.7
HNRNPR	1	114.9	107.4	7.5	99.9
MAX	0	9.8	4.0	5.8	-1.8
ARMCX5	0	7.0	2.5	4.5	-2.1
MMP24	3	14.4	6.1	8.2	-2.1
NECAB3	0	13.4	5.0	8.4	-3.3
ID1	4	14.1	3.9	10.2	-6.3
RALY	0	14.3	5.8	8.5	-2.6
DYNLRB1	0	13.8	5.9	7.9	-2.1
EIF2S2	1	81.2	74.3	6.9	67.5
ERGIC3	0	11.2	5.8	5.4	0.5
ROMO1	0	11.5	4.5	7.0	-2.4
CEP250	7	16.1	1.3	14.9	-13.6
PLAGL2	0	18.2	8.4	9.7	-1.3
MMP24-AS1	0	10.4	4.3	6.1	-1.8
KDM5C	0	12.2	5.7	6.5	-0.9
TMEM115	2	25.8	10.0	15.8	-5.8
PSMB2	0	11.6	5.0	6.6	-1.6
AGO3	0	10.7	4.9	5.8	-1.0
UROD	2	16.2	6.1	10.2	-4.1
ST3GAL3	10	28.7	1.4	27.3	-25.9
TMEM53	4	15.9	4.3	11.6	-7.3
HECTD3	2	16.3	4.9	11.4	-6.5
KLC1	0	10.0	4.9	5.1	-0.1
XRCC3	0	12.8	4.7	8.1	-3.3
TUBGCP3	0	8.6	4.0	4.6	-0.6
PCID2	0	8.2	2.9	5.3	-2.4
LRFN3	0	13.6	5.6	8.0	-2.4
IGFLR1	0	10.0	3.5	6.5	-3.0
CAPNS1	3	9.9	3.3	6.6	-3.3
PDCD2L	0	15.7	5.8	9.9	-4.2
RBM42	2	17.4	5.8	11.7	-5.9
UBA2	1	112.0	105.0	6.9	98.1
COX6B1	0	10.3	4.0	6.3	-2.3
THRA	0	10.5	4.5	6.0	-1.4
NR1D1	2	14.3	4.7	9.6	-4.9
FRMD8	2	23.0	8.8	14.2	-5.4
PRDX5	2	13.3	4.8	8.4	-3.6
BCL2L12	5	16.0	2.9	13.1	-10.3
IRF3	0	7.7	4.2	3.5	0.7
PRMT1	0	12.4	6.0	6.3	-0.3
RRAS	3	25.2	16.4	8.8	7.6
SCAF1	0	24.4	10.0	14.3	-4.3

PRR12	2	29.8	10.7	19.1	-8.4
ASL	4	18.0	9.4	8.6	0.9
SBDS	1	19.9	15.7	4.3	11.4
BECN1	1	9.0	5.3	3.7	1.5
TRAP1	0	17.4	6.0	11.3	-5.3
GLIS2	0	8.8	3.9	4.9	-1.0
NSRP1	1	22.3	20.0	2.3	17.8
DNAJC8	0	6.9	3.0	4.0	-1.0
IFI6	0	12.4	5.8	6.6	-0.8
ZNF384	0	11.2	5.9	5.4	0.5
EMG1	6	24.3	9.5	14.8	-5.3
UXT	0	10.4	5.1	5.3	-0.2
ELK1	0	14.0	6.1	7.9	-1.9
TIMM17B	0	11.7	4.7	7.0	-2.3
PCNXL4	1	30.3	24.9	5.4	19.4
KTN1	1	73.6	66.8	6.9	59.9
DLGAP5	7	49.8	11.2	38.7	-27.5
L3HYPDH	1	10.3	5.8	4.4	1.4
HSPA2	0	6.6	3.1	3.4	-0.3
ZBTB1	1	39.1	35.8	3.3	32.5
TRMT5	1	18.7	12.5	6.2	6.3
SGPP1	1	11.6	8.5	3.1	5.5
PLEKHG3	0	11.4	4.1	7.3	-3.2
RHOT1	1	30.0	26.1	3.9	22.2
WDR60	1	9.8	6.9	2.9	4.0
NUP214	0	6.3	2.0	4.3	-2.4
SLC10A3	0	19.7	8.5	11.3	-2.8
MAP2K2	8	8.9	2.0	7.0	-5.0
HNRNPH2	1	37.1	33.9	3.2	30.7
TIMM8A	0	11.9	4.8	7.0	-2.2
ZC4H2	0	7.1	3.3	3.9	-0.6
CANX	1	84.0	78.6	5.4	73.2
CPSF3L	0	7.9	2.8	5.1	-2.3
IPPK	10	10.9	2.2	8.7	-6.5
PPCS	0	8.5	3.6	5.0	-1.4
COX7C	6	25.1	6.0	19.0	-13.0
TRAF2	10	11.6	2.0	9.5	-7.5
ABHD8	8	27.4	5.0	22.4	-17.4
RAP1B	1	28.5	24.9	3.5	21.4
TSPAN8	4	17.5	8.6	8.8	-0.2
RAB3IP	1	20.9	13.4	7.5	6.0
DYRK2	0	6.9	3.2	3.7	-0.6
YEATS4	7	12.1	0.8	11.3	-10.5
LRRC61	4	12.0	3.8	8.2	-4.4
IDUA	0	12.7	5.1	7.6	-2.4
FGFRL1	8	17.2	2.9	14.3	-11.3
TMEM175	0	7.1	3.4	3.6	-0.2
AUNIP	0	20.3	8.2	12.1	-3.9
PIN1	8	23.9	8.7	15.2	-6.5
FBXL12	8	19.8	3.3	16.4	-13.1
EMC1	0	6.2	3.1	3.1	0.0
UBR4	0	6.3	1.9	4.5	-2.6
HP1BP3	1	25.7	19.1	6.7	12.4
SIN3B	8	14.2	2.1	12.1	-10.0

SLC35E1	0	12.7	5.2	7.5	-2.2
EPS15L1	8	15.2	2.4	12.8	-10.4
UQCR11	6	11.1	3.2	7.9	-4.6
GFER	12	21.5	4.5	17.0	-12.4
PKMYT1	5	14.4	6.5	7.9	-1.4
WDR24	12	20.0	2.2	17.8	-15.5
CHTF18	12	11.1	1.5	9.6	-8.1
MACF1	3	23.0	8.8	14.2	-5.5
SMARCA4	0	7.0	2.6	4.4	-1.7
KDM4B	8	24.8	4.5	20.4	-15.9
TICAM1	8	31.7	5.9	25.8	-19.9
EMC6	10	17.5	2.3	15.2	-12.9
METTL16	0	14.2	5.9	8.2	-2.3
TUBA4A	0	11.5	5.0	6.5	-1.5
VIL1	4	24.9	15.6	9.4	6.2
AAMP	0	11.8	5.0	6.8	-1.7
PNKD	2	18.7	6.2	12.5	-6.3
RNF6	1	44.1	39.9	4.2	35.7
ECHS1	2	20.1	6.9	13.2	-6.3
AKAP9	1	24.1	19.0	5.2	13.8
SHFM1	6	30.0	12.2	17.8	-5.6
HIP1	3	15.8	5.1	10.7	-5.6
PTPN12	1	46.5	43.2	3.4	39.8
POR	4	19.9	9.1	10.8	-1.7
STYXL1	0	8.4	3.5	4.9	-1.4
GNAI1	1	8.0	4.6	3.4	1.3
PEX1	1	12.7	8.9	3.8	5.1
MTERF1	1	29.4	24.5	5.0	19.5
SGCE	1	21.3	16.2	5.1	11.2
RBM48	0	6.7	2.8	3.9	-1.1
CASD1	1	19.2	15.3	3.9	11.4
ZFP36	4	13.1	4.4	8.7	-4.3
SRD5A3	0	6.8	2.8	4.0	-1.1
PAICS	5	22.4	5.8	16.6	-10.7
PPAT	1	39.9	31.0	8.9	22.2
TUBGCP6	2	19.7	6.2	13.6	-7.4
DGCR6L	2	26.0	8.7	17.3	-8.6
DGCR8	0	10.6	4.9	5.7	-0.7
SDF2L1	2	17.5	6.8	10.7	-3.9
YWHAH	5	14.1	3.9	10.1	-6.2
ATF4	0	9.3	4.4	4.9	-0.5
CDC42EP1	0	12.2	4.2	8.0	-3.7
TPST2	3	13.1	4.1	9.0	-4.8
MPST	4	26.7	7.3	19.4	-12.1
TST	4	25.9	10.8	15.2	-4.4
APOL2	3	15.0	8.5	6.5	2.1
RAC2	3	19.0	11.7	7.3	4.4
LIF	3	19.1	12.4	6.6	5.8
EMC4	0	7.0	2.9	4.1	-1.2
SPECC1	0	5.1	2.2	2.9	-0.6
CPA4	3	18.6	10.7	7.9	2.9
DOCK4	1	11.3	7.7	3.6	4.0
POT1	1	49.9	43.0	6.9	36.1
ATP6V1F	0	9.5	4.3	5.2	-0.9

LSM8	1	79.1	68.9	10.2	58.7
PRKRIP1	2	19.5	7.8	11.7	-3.9
PODXL	3	8.7	3.9	4.7	-0.8
STRIP2	0	7.1	2.8	4.3	-1.6
IFT22	0	14.4	5.8	8.6	-2.9
MKLN1	1	37.0	32.7	4.2	28.5
DNAJB9	1	13.4	8.7	4.7	4.0
FLNC	3	6.5	2.4	4.1	-1.8
CALU	1	53.1	48.6	4.5	44.1
SMO	0	7.5	3.4	4.1	-0.6
KLHDC10	0	7.1	2.2	4.9	-2.8
NDUFA5	1	102.2	95.5	6.7	88.8
MRPS12	2	18.2	5.8	12.4	-6.7
MYO1B	1	18.0	15.0	2.9	12.1
MTX2	1	29.8	23.4	6.4	17.0
CHN1	1	13.2	8.0	5.2	2.8
OSGEPL1	1	12.3	7.0	5.3	1.7
ORMDL1	1	56.9	53.3	3.6	49.7
HAT1	1	68.2	57.2	11.0	46.2
HERC2	6	18.9	3.2	15.7	-12.5
SNRPN	0	5.4	1.7	3.7	-2.0
PSMG2	1	8.9	4.6	4.3	0.3
TWSG1	1	17.5	11.7	5.7	6.0
EIF2AK4	1	9.3	5.8	3.5	2.3
C15orf57	0	5.9	2.5	3.4	-1.0
INO80	1	16.9	11.6	5.3	6.2
ICE2	1	56.6	48.8	7.8	41.0
IVD	0	6.9	2.6	4.3	-1.6
KNSTRN	7	39.4	7.5	31.9	-24.3
DUT	1	8.9	5.2	3.7	1.5
CHAC1	0	6.6	3.4	3.2	0.2
CLN6	4	21.8	4.6	17.2	-12.6
ARPP19	1	75.2	68.0	7.2	60.8
VPS13C	1	20.7	17.7	3.0	14.7
CALML4	4	17.8	8.5	9.3	-0.8
LOXL1	3	9.4	3.6	5.8	-2.1
ANAPC13	1	43.5	39.5	4.1	35.4
MBD4	1	26.3	22.7	3.6	19.1
COPB1	1	86.0	81.3	4.7	76.6
PSMA1	1	52.8	46.9	6.0	40.9
SUMF2	0	7.9	3.9	4.0	-0.2
PALLD	1	16.3	8.3	8.0	0.3
SPCS3	1	21.2	17.5	3.7	13.8
SERGEF	0	6.8	2.9	3.9	-1.1
E2F8	5	8.8	1.8	7.0	-5.2
DCTD	0	5.6	2.3	3.3	-1.0
FAM64A	0	6.1	2.3	3.8	-1.5
RPAIN	1	14.4	7.8	6.6	1.1
PLD2	0	10.4	4.8	5.6	-0.8
CD68	0	12.5	5.6	6.9	-1.3
TXNDC17	0	8.4	2.9	5.4	-2.5
FXR2	0	12.3	5.9	6.4	-0.4
KIF1C	0	8.9	4.3	4.6	-0.2
MPDU1	0	15.4	5.5	9.9	-4.4

PHF20L1	1	28.9	26.1	2.8	23.2
CCNT1	1	25.6	20.7	5.0	15.7
KRI1	8	8.7	2.1	6.6	-4.5
ILF3	8	14.4	3.7	10.8	-7.1
SLC44A2	0	7.0	2.8	4.1	-1.3
AP1M2	1	11.0	5.1	5.9	-0.8
CDKN2D	8	16.9	2.1	14.9	-12.8
MTUS1	0	10.5	2.4	8.1	-5.7
NGDN	1	19.5	11.3	8.2	3.1
RAB2B	0	7.0	3.3	3.6	-0.3
BCL2L2	0	6.7	2.8	3.9	-1.1
AJUBA	5	9.1	1.8	7.3	-5.6
DTD2	0	8.8	3.4	5.4	-2.0
PARP2	7	18.9	3.6	15.2	-11.6
HEATR5A	1	14.4	8.8	5.7	3.1
FOXA1	4	28.2	17.7	10.5	7.2
SNX6	1	45.4	41.1	4.4	36.7
EAPP	1	8.4	4.6	3.8	0.8
MIS18BP1	1	56.9	46.0	10.9	35.2
NEDD8	0	6.8	2.8	4.0	-1.2
DAD1	0	6.2	2.7	3.5	-0.8
TEP1	0	5.0	2.3	2.7	-0.5
REEP5	6	11.2	3.5	7.7	-4.2
ITFG1	1	11.7	7.7	4.0	3.7
SEC14L1	3	10.2	2.8	7.5	-4.7
RHBDF2	0	11.9	4.9	7.0	-2.0
MAP7D3	1	15.4	6.5	8.9	-2.4
ASH2L	6	8.2	1.0	7.2	-6.2
TTI2	2	20.8	8.9	11.9	-3.1
SGOL1	5	15.1	2.3	12.7	-10.4
RPS4Y1	0	4.4	1.8	2.6	-0.8
KLF16	8	46.4	7.2	39.2	-32.0
TMEM8A	12	11.8	1.4	10.3	-8.9
DOHH	8	37.6	9.0	28.6	-19.6
MAU2	0	11.9	5.9	6.1	-0.2
SHC2	0	12.7	4.6	8.1	-3.5
ABHD17A	8	43.1	9.7	33.4	-23.6
GAMT	2	11.7	3.1	8.5	-5.4
PUDP	0	5.8	2.6	3.2	-0.6
ERMARD	0	7.7	2.0	5.7	-3.7
PHF10	1	8.3	4.9	3.4	1.5
SAT1	0	7.3	3.4	4.0	-0.6
GNL3L	0	10.8	5.7	5.1	0.5
SH3BP4	3	15.9	9.2	6.8	2.4
MOSPD2	1	16.9	13.4	3.6	9.8
DOCK6	0	11.5	4.7	6.8	-2.1
ECSIT	8	15.3	3.2	12.0	-8.8
LDLR	0	7.6	3.1	4.4	-1.3
ELOF1	8	20.3	6.1	14.2	-8.0
PRKCSH	8	10.7	2.3	8.3	-6.0
CNN1	3	11.6	3.5	8.0	-4.5
CDC16	1	9.0	5.0	4.0	1.0
THEM6	2	19.2	7.5	11.7	-4.2
PVRL2	0	9.1	4.2	4.9	-0.7

APOE	4	12.4	5.6	6.8	-1.2
TOMM40	5	21.5	4.3	17.1	-12.8
APOC1	4	14.5	7.3	7.2	0.1
XPO7	0	8.6	4.5	4.1	0.4
FAM98C	2	27.6	13.1	14.4	-1.3
SAFB2	1	8.1	4.2	3.9	0.2
RPL36	6	21.2	5.1	16.2	-11.1
GTPBP3	8	18.7	3.6	15.0	-11.4
BST2	0	9.2	3.9	5.3	-1.5
NSUN5	2	29.7	14.1	15.6	-1.6
COLGALT1	11	14.4	0.9	13.5	-12.6
DDA1	8	18.5	3.6	15.0	-11.4
MRPL34	8	15.2	3.3	11.9	-8.6
PGLS	8	17.7	3.2	14.5	-11.3
LSM7	8	24.3	8.3	15.9	-7.6
TULP4	0	9.8	4.2	5.7	-1.5
SNX9	0	7.3	2.0	5.3	-3.4
RTN4IP1	2	15.4	5.0	10.3	-5.3
QRSL1	0	8.8	2.7	6.1	-3.4
C6orf203	0	7.2	2.8	4.4	-1.6
MLLT1	8	15.0	3.9	11.1	-7.2
MLLT4	1	13.1	7.8	5.3	2.5
ACTN4	3	15.0	7.5	7.5	0.0
NDUFA10	2	10.9	3.9	7.0	-3.1
ARPC1B	3	17.0	4.5	12.5	-8.1
MAP1S	3	10.9	3.8	7.1	-3.3
SCO2	2	19.7	8.4	11.3	-2.9
SSBP4	0	7.3	3.2	4.0	-0.8
GDF15	4	19.7	8.0	11.7	-3.7
PGPEP1	4	15.6	4.1	11.5	-7.4
LSM4	5	18.2	4.7	13.6	-8.9
JUND	2	14.0	4.7	9.3	-4.5
TRPM4	0	10.7	4.2	6.6	-2.4
CRB3	4	30.4	12.8	17.6	-4.7
CAMSAP1	0	11.3	4.6	6.7	-2.0
UBAC1	10	20.3	5.9	14.5	-8.6
HELZ2	0	10.4	4.8	5.6	-0.8
COL5A1	3	17.0	8.5	8.5	0.0
ATXN10	1	45.8	38.6	7.2	31.4
TUBGCP2	0	13.7	6.5	7.2	-0.7
PAK4	2	15.2	4.7	10.4	-5.7
ZNF337	0	7.9	2.7	5.2	-2.5
CEP85	0	12.3	4.8	7.5	-2.6
TAF4	1	19.1	11.7	7.4	4.3
LAMA5	0	5.2	2.2	3.0	-0.8
OSBPL2	0	8.6	3.1	5.5	-2.5
ADRM1	2	24.5	9.6	14.9	-5.3
ASS1	4	11.5	3.7	7.8	-4.1
EXOSC2	10	14.4	1.9	12.6	-10.7
POMT1	10	13.6	2.2	11.4	-9.1
UCK1	10	16.8	4.0	12.8	-8.8
PRRC2B	0	15.0	7.8	7.2	0.7
CHMP2A	0	10.9	4.8	6.1	-1.2
UBE2M	0	7.9	2.9	5.0	-2.1

TRIM28	6	16.5	4.5	12.0	-7.6
C16orf13	12	23.2	3.9	19.3	-15.4
YIPF2	8	20.6	3.6	17.1	-13.5
ATG4D	8	10.0	1.5	8.5	-7.0
EIF2S3	1	22.5	19.5	3.0	16.6
TMEM160	2	28.2	14.2	14.0	0.3
ZC3H4	0	14.2	7.0	7.3	-0.3
MAP3K10	0	9.2	4.1	5.1	-1.0
LRRC47	6	12.7	3.0	9.6	-6.6
SESN2	2	15.7	5.4	10.3	-4.9
ATPIF1	0	9.3	3.9	5.4	-1.4
MED18	0	9.3	4.3	4.9	-0.6
CLIP1	1	42.2	37.7	4.4	33.3
HIP1R	4	16.0	4.4	11.6	-7.1
ZNF317	8	16.8	4.0	12.8	-8.8
PPAN	8	19.9	5.3	14.7	-9.4
EIF3G	8	23.6	11.1	12.5	-1.4
C19orf66	0	9.5	4.4	5.0	-0.6
DNMT1	7	21.6	2.8	18.8	-16.0
SLC6A8	0	8.8	3.6	5.2	-1.6
DKC1	6	24.9	2.9	22.0	-19.1
PLXNA3	0	8.1	3.2	4.9	-1.7
MPP1	0	5.7	2.3	3.4	-1.1
LRP3	4	12.7	3.7	9.0	-5.4
C12orf65	0	9.6	3.2	6.4	-3.1
NOL11	1	99.3	87.3	12.0	75.3
UBE4B	0	8.4	4.4	4.0	0.4
HABP4	0	9.1	4.0	5.1	-1.1
SLC35D2	4	14.6	5.8	8.8	-2.9
PRRG1	0	5.1	2.0	3.2	-1.2
UBA1	0	12.2	5.5	6.7	-1.2
PPIL4	1	38.0	32.4	5.6	26.8
AKAP12	1	12.3	5.3	7.1	-1.8
SYNE1	1	12.4	6.9	5.5	1.4
LATS1	1	14.7	11.5	3.2	8.3
AAR2	2	21.3	8.5	12.8	-4.4
RBM39	1	139.1	133.5	5.6	127.9
GGT7	0	10.5	6.1	4.4	1.8
ACSS2	0	7.2	2.9	4.3	-1.5
ATP6V1E1	0	6.8	1.9	4.8	-2.9
ZNF227	1	9.0	6.2	2.9	3.3
ZNF428	0	12.4	4.9	7.4	-2.5
COX4I1	2	13.6	4.9	8.7	-3.8
EMC8	6	17.1	5.6	11.5	-6.0
GSE1	0	12.4	6.1	6.3	-0.2
GINS2	5	17.5	3.3	14.2	-10.9
CHMP1A	0	12.3	5.1	7.2	-2.1
SH3BGRL	0	6.3	1.9	4.4	-2.5
COX7B	6	33.8	13.5	20.3	-6.8
PRR7	2	46.5	26.4	20.2	6.2
CAP1	1	20.1	9.2	11.0	-1.8
PPT1	0	7.5	2.7	4.8	-2.1
RAB11FIP4	4	24.9	12.1	12.8	-0.6
RLIM	1	23.0	20.0	3.1	16.9

ABCB7	1	13.1	9.6	3.5	6.1
TRAF3	0	10.5	4.7	5.8	-1.1
HAUS8	5	12.9	3.2	9.8	-6.6
MRPS25	0	11.8	5.4	6.5	-1.1
SH3BP5	0	6.2	2.8	3.5	-0.7
HACL1	0	8.7	3.8	4.9	-1.1
TBC1D5	0	11.1	4.9	6.2	-1.2
CAPN7	1	32.5	28.2	4.3	24.0
RFTN1	3	16.0	8.2	7.8	0.3
RBSN	0	11.7	6.3	5.5	0.8
SLC6A6	0	7.0	2.1	4.9	-2.8
NR1H2	3	19.0	5.3	13.7	-8.4
KIF3A	1	24.2	19.6	4.6	15.1
MGAT1	0	12.3	4.8	7.6	-2.8
TUBG1	5	19.9	4.9	15.0	-10.1
PSME3	0	15.3	6.6	8.7	-2.2
RPL27	2	14.9	5.0	9.9	-4.9
PSMC3IP	5	13.9	4.9	9.0	-4.1
ACLY	0	8.7	4.1	4.6	-0.5
VPS25	2	21.5	7.8	13.6	-5.8
NDUFA2	0	14.1	5.6	8.4	-2.8
ANKHD1	1	39.7	35.8	4.0	31.8
DIAPH1	0	8.3	3.2	5.1	-2.0
NDFIP1	0	8.9	3.7	5.2	-1.5
UBE2D2	1	13.8	7.8	6.0	1.8
EXOC4	3	13.2	3.9	9.4	-5.5
ACAP3	0	14.4	5.5	8.9	-3.3
C1orf159	2	29.5	12.9	16.6	-3.7
PPFIA1	1	11.1	7.8	3.3	4.5
THOC6	12	10.1	1.7	8.4	-6.7
TRAF7	0	7.9	3.7	4.1	-0.4
NINJ1	10	13.3	1.5	11.8	-10.3
IL13RA1	0	8.4	3.3	5.1	-1.8
WDR44	0	6.9	2.4	4.5	-2.2
ZCCHC9	1	17.3	11.9	5.3	6.6
TOP2A	1	69.5	53.0	16.5	36.6
STARD3	0	11.8	5.4	6.4	-0.9
RARA	3	17.3	5.2	12.1	-6.8
KHDRBS3	0	4.3	1.8	2.5	-0.7
CHD1L	9	10.7	1.4	9.3	-7.9
PEX11B	0	13.4	4.7	8.7	-3.9
PIAS3	3	12.9	4.0	8.9	-4.9
PRKAB2	4	8.1	2.1	6.0	-3.9
PDHA1	6	17.7	3.2	14.5	-11.3
MCCC2	4	13.2	3.7	9.5	-5.8
ZSCAN5A	0	12.0	4.9	7.1	-2.2
VIMP	0	8.1	3.0	5.0	-2.0
CHSY1	0	11.9	3.7	8.2	-4.6
SNRPA1	1	26.2	19.9	6.3	13.6
LLGL1	0	15.1	6.4	8.7	-2.3
THAP1	1	14.3	9.7	4.6	5.1
RHPN2	4	10.1	3.3	6.8	-3.4
C19orf12	0	8.0	3.6	4.4	-0.8
FAAP24	0	8.7	3.6	5.1	-1.5

ACTR10	1	31.0	25.9	5.1	20.8
LGALS3	0	4.1	1.7	2.4	-0.7
DNAJB1	8	7.1	1.4	5.7	-4.4
FBXW9	2	47.1	23.9	23.3	0.6
RFX1	8	9.6	1.3	8.3	-6.9
DCAF15	8	22.6	7.9	14.6	-6.7
CC2D1A	8	25.5	5.5	20.0	-14.5
TRIM21	0	16.0	6.2	9.8	-3.6
LRRC41	0	14.7	6.7	8.0	-1.3
DHX30	2	23.6	9.6	14.0	-4.5
RAF1	0	8.9	4.1	4.8	-0.7
PPARG	0	11.2	4.5	6.6	-2.1
NUP210	4	18.3	6.2	12.2	-6.0
HSD17B7	4	10.4	2.4	8.0	-5.7
ENOSF1	0	6.1	2.1	4.0	-1.9
ARFIP2	0	10.9	4.4	6.5	-2.0
TRIM5	0	5.2	2.3	2.9	-0.6
RRP8	0	14.3	4.9	9.5	-4.6
EFR3A	1	30.9	27.6	3.3	24.3
PTCD3	1	80.9	74.8	6.1	68.7
IMMT	1	24.8	20.4	4.4	15.9
MRPL35	7	11.6	1.3	10.3	-8.9
ILKAP	0	10.7	4.5	6.2	-1.7
RAMP1	2	11.0	3.5	7.5	-4.1
SCLY	0	14.9	5.8	9.1	-3.3
RAN	5	21.8	6.4	15.3	-8.9
PRKAA1	1	36.9	32.9	4.0	28.8
RAP1GAP2	0	7.7	3.2	4.5	-1.2
CLUH	0	14.0	4.9	9.1	-4.2
INPP5K	0	8.0	4.0	4.1	-0.1
MYBBP1A	0	15.4	6.3	9.1	-2.9
RPA1	6	32.2	6.1	26.1	-19.9
SERPINF1	4	10.5	3.9	6.6	-2.6
UBE2G1	0	9.6	4.0	5.6	-1.6
EEFSEC	2	31.6	14.9	16.7	-1.9
TBC1D14	6	19.4	4.3	15.1	-10.8
TMEM128	0	6.3	3.2	3.1	0.1
COQ3	0	12.8	4.0	8.8	-4.9
PNISR	1	96.0	91.4	4.6	86.7
POPDC3	0	4.8	1.9	2.9	-1.0
SEC61G	1	9.7	6.6	3.0	3.6
LANCL2	0	8.4	3.3	5.1	-1.8
FIGNL1	7	28.1	4.7	23.4	-18.6
GRSF1	1	31.0	24.5	6.5	18.0
ANKRD17	1	19.1	15.1	4.0	11.1
UTP3	1	14.5	11.5	3.0	8.4
ITGB4	0	7.8	3.3	4.6	-1.3
WBP2	3	17.4	7.2	10.2	-2.9
H3F3B	1	9.6	5.2	4.4	0.8
UNK	0	8.4	3.7	4.7	-1.0
TRIM47	3	11.4	3.3	8.1	-4.8
ZRANB2	1	70.5	67.4	3.1	64.3
EIF5A	0	14.8	5.9	8.9	-3.0
KDM6B	0	13.2	6.4	6.8	-0.4

GPS2	6	20.5	6.6	13.9	-7.3
HRSP12	1	16.0	9.8	6.2	3.6
VPS13B	1	14.7	12.1	2.6	9.5
MATN2	0	6.1	2.2	3.9	-1.6
PCBD2	0	8.3	3.5	4.8	-1.2
SDF2	0	6.5	3.2	3.3	-0.1
FLOT2	0	14.5	5.1	9.4	-4.2
ERAL1	2	22.7	6.7	16.1	-9.4
PRMT7	0	12.9	6.6	6.3	0.3
NIP7	6	28.2	6.3	21.9	-15.6
TERF2	6	12.3	2.3	10.0	-7.7
VPS4A	2	32.7	16.3	16.4	-0.1
MTSS1L	0	7.7	3.6	4.1	-0.5
PCED1A	0	12.6	6.4	6.2	0.2
BTBD3	1	10.5	5.7	4.7	1.0
PCNA	5	16.3	7.2	9.0	-1.8
NXT1	2	20.1	8.1	12.0	-3.9
POLR3F	1	23.7	18.0	5.7	12.2
RIN2	3	7.4	2.2	5.2	-3.1
PTPRA	0	11.7	4.7	7.1	-2.4
DAP3	0	10.9	2.4	8.4	-6.0
KIAA0907	1	12.4	8.7	3.6	5.1
NES	0	6.1	2.9	3.3	-0.4
ARHGEF11	9	10.7	3.0	7.7	-4.7
DCAF8	9	10.8	1.6	9.2	-7.7
IGHMBP2	0	6.5	3.3	3.2	0.1
MTL5	0	8.0	3.4	4.5	-1.1
MMACHC	2	25.0	11.9	13.1	-1.3
DPH2	2	16.8	6.2	10.6	-4.4
TOE1	2	21.2	7.4	13.8	-6.4
NASP	1	32.5	25.7	6.8	19.0
MUTYH	2	17.6	7.5	10.1	-2.7
CTNNBL1	6	18.4	2.3	16.2	-13.9
LPIN3	0	12.5	5.6	6.9	-1.2
RBM38	11	26.0	1.7	24.3	-22.7
OSER1	0	9.1	3.6	5.5	-1.9
SERINC3	1	14.7	10.4	4.4	6.0
BHMT2	0	10.0	4.5	5.5	-0.9
AP3B1	1	41.2	36.6	4.6	32.0
INADL	1	8.1	5.1	3.0	2.0
FBXO44	2	18.5	8.0	10.5	-2.4
CASP9	2	19.2	7.7	11.5	-3.8
DCTN4	1	15.5	11.8	3.8	8.0
ZMYM5	1	14.8	9.9	4.9	4.9
USPL1	1	18.5	15.8	2.7	13.0
XPO4	1	13.3	8.3	5.1	3.2
POMP	1	15.5	11.0	4.5	6.5
CDK8	1	13.1	7.4	5.7	1.7
MYH10	1	16.4	11.0	5.4	5.6
PEMT	0	8.6	3.6	5.0	-1.5
SCO1	0	10.8	3.7	7.1	-3.5
MPRIP	3	6.2	2.1	4.2	-2.1
PIK3C2B	4	17.8	5.1	12.6	-7.5
SLC41A1	3	16.5	8.6	8.0	0.6

COG6	1	17.0	14.3	2.8	11.5
TPT1	1	19.6	16.4	3.1	13.3
GPALPP1	0	8.6	2.8	5.8	-3.0
RFC3	7	32.9	5.1	27.8	-22.7
MORC4	3	10.6	4.5	6.1	-1.6
RNF128	4	13.4	5.7	7.7	-2.0
TCEAL4	1	11.4	6.6	4.8	1.8
FAM104A	0	6.5	2.7	3.8	-1.1
SLC39A11	0	11.5	4.6	6.9	-2.3
EPHB2	3	21.7	13.7	7.9	5.8
SRRM1	0	13.1	4.3	8.8	-4.4
BTBD2	8	7.6	1.4	6.2	-4.9
KMT5C	2	14.7	4.4	10.3	-5.8
ZNF414	8	15.9	5.3	10.6	-5.3
HSPBP1	2	21.0	7.7	13.3	-5.7
CSNK1G2	8	10.8	3.7	7.1	-3.4
SLF1	7	34.1	5.0	29.1	-24.1
CNDP2	0	11.5	4.6	6.9	-2.2
MACROD1	0	6.9	3.2	3.7	-0.6
WDR74	2	20.2	8.0	12.3	-4.3
RTN3	0	8.9	3.8	5.2	-1.4
RARRES3	3	14.9	4.3	10.6	-6.4
FOPNL	1	29.9	25.2	4.7	20.6
MED10	0	6.8	2.8	4.0	-1.1
MORC2	0	5.7	2.4	3.3	-0.9
LARGE	2	16.0	4.7	11.4	-6.7
SLC2A11	0	13.1	6.1	7.0	-0.9
ADCK2	2	13.6	4.3	9.3	-5.0
MKRN1	1	16.2	11.7	4.5	7.2
AGAP3	0	6.7	2.9	3.8	-0.9
ACTR3B	2	12.7	4.1	8.6	-4.4
BTG1	0	7.2	3.1	4.1	-0.9
C12orf29	1	33.6	24.2	9.4	14.8
ATP13A3	1	48.4	44.9	3.5	41.4
TMEM254	0	7.0	3.3	3.7	-0.4
KRAS	1	27.7	22.8	4.9	18.0
IPO8	1	33.8	30.0	3.8	26.3
LARS	1	94.8	89.7	5.1	84.6
IMPA1	1	23.2	20.1	3.0	17.1
E2F5	0	7.9	2.9	5.0	-2.1
CCDC59	1	29.8	23.0	6.8	16.2
SWAP70	1	16.1	11.0	5.0	6.0
ARNTL	1	10.2	4.9	5.3	-0.5
SBF2	1	23.8	18.0	5.8	12.3
MICAL2	3	18.7	11.1	7.6	3.5
RRAS2	3	14.5	6.1	8.4	-2.2
HSD17B4	1	108.2	98.3	9.9	88.3
ZFC3H1	1	52.5	47.2	5.3	41.9
SARAF	1	31.1	27.2	3.8	23.4
DPF2	0	9.5	4.6	4.8	-0.2
MEN1	2	30.2	14.8	15.4	-0.6
C14orf1	2	16.3	5.1	11.3	-6.2
C14orf159	0	6.2	2.7	3.5	-0.8
NUMB	0	10.0	4.6	5.4	-0.9

COX16	1	13.9	9.7	4.2	5.5
MED6	1	28.0	21.2	6.8	14.5
EIF2S1	1	53.8	44.0	9.8	34.3
LOXL2	3	12.4	5.5	6.8	-1.3
ELP3	0	8.4	3.3	5.0	-1.7
CTIF	3	10.3	3.7	6.6	-2.9
MBD2	6	41.2	17.1	24.0	-6.9
IER3IP1	0	6.7	2.5	4.2	-1.7
MRPS36	6	68.1	15.9	52.1	-36.2
CCNB1	5	31.9	20.9	11.0	9.8
CDK7	1	64.9	54.8	10.1	44.6
IRAK2	0	12.8	5.0	7.7	-2.7
CAMK1	0	12.1	4.4	7.7	-3.2
THUMPD3	1	24.2	19.5	4.7	14.8
VHL	0	9.8	5.2	4.6	0.6
BHLHE40	0	7.0	3.5	3.6	-0.1
ARL8B	1	30.4	26.5	3.9	22.6
EDEM1	0	7.0	3.5	3.5	-0.1
MEIS2	0	7.6	2.5	5.1	-2.5
DPH6	0	9.3	3.3	6.0	-2.7
KATNBL1	1	39.8	32.6	7.1	25.5
EMC7	1	10.9	6.8	4.1	2.8
PRPF38B	1	81.7	78.0	3.7	74.3
GSTM3	0	4.9	2.3	2.6	-0.3
PSRC1	5	14.0	3.2	10.8	-7.6
SORT1	1	8.2	4.9	3.3	1.5
PTGFRN	3	8.9	3.6	5.4	-1.8
LAMTOR5	0	6.9	2.5	4.4	-1.8
NOTCH2	3	20.1	12.6	7.6	5.0
CEPT1	1	35.0	31.0	4.1	26.9
AP4B1	0	8.0	3.7	4.3	-0.5
NAPG	1	11.3	8.5	2.8	5.7
SPIRE1	0	6.7	2.0	4.7	-2.8
PPHLN1	1	41.2	36.9	4.2	32.7
FKBP11	0	8.5	3.1	5.3	-2.2
ARF3	0	8.0	3.1	4.9	-1.9
TMEM106C	5	21.1	12.0	9.2	2.8
SLC38A2	1	68.5	64.5	4.1	60.4
YWHAQ	1	17.4	8.9	8.6	0.3
KIDINS220	1	31.4	28.3	3.1	25.2
ROCK2	1	35.6	32.0	3.7	28.3
LPIN1	0	7.3	1.9	5.4	-3.4
IAH1	3	8.0	2.3	5.6	-3.3
LDHA	7	12.6	1.3	11.3	-10.0
IL6ST	1	56.4	50.6	5.9	44.7
NAV1	3	23.2	13.8	9.4	4.4
CDC73	1	27.8	23.2	4.6	18.6
TIMM17A	1	53.2	47.0	6.2	40.8
RPS15A	0	10.5	3.6	6.9	-3.3
NARS	1	53.9	50.4	3.4	47.0
KIAA1468	1	14.0	11.3	2.6	8.7
FBXO18	0	5.7	2.7	3.0	-0.4
RBM17	1	34.8	30.8	4.0	26.8
ANKRD16	2	32.5	17.5	15.0	2.5

ECHDC3	2	14.9	4.5	10.4	-5.9
IL15RA	9	19.3	1.3	18.0	-16.6
CCNH	1	51.6	44.0	7.6	36.4
TMEM241	0	14.4	5.9	8.5	-2.5
KCTD1	3	10.3	4.3	6.1	-1.8
CABLES1	2	9.9	3.2	6.7	-3.6
EMP1	3	9.3	4.1	5.2	-1.1
DDB2	0	6.1	2.5	3.6	-1.2
ACP2	4	16.1	5.1	11.0	-5.9
FAM127A	3	16.0	7.1	8.9	-1.8
RBMX2	0	6.5	3.0	3.5	-0.6
STK26	1	12.7	8.3	4.4	3.8
PUM1	0	18.9	6.4	12.5	-6.1
SPOCD1	3	16.3	9.9	6.4	3.5
YARS	0	9.8	4.4	5.4	-1.0
PHC2	3	18.4	5.3	13.1	-7.8
CDCA8	5	20.6	8.7	11.9	-3.2
GNL2	1	55.0	49.2	5.8	43.4
AGO4	1	16.1	12.0	4.1	8.0
HOOK1	1	13.9	10.3	3.6	6.6
BTF3L4	1	18.1	12.9	5.2	7.8
ZCCHC11	1	61.1	56.3	4.8	51.5
PRPF38A	0	13.2	4.9	8.4	-3.5
RNF138	1	19.3	14.3	5.0	9.3
ELP2	1	16.6	12.7	3.9	8.7
DTNA	0	8.8	3.9	4.9	-1.0
TPGS2	3	12.1	4.9	7.1	-2.2
SLC43A3	3	14.1	5.6	8.5	-2.9
TIMM10	5	16.7	4.0	12.7	-8.7
DHX34	2	22.5	10.3	12.2	-1.9
FADS2	0	4.7	1.9	2.9	-1.0
TMEM258	0	13.2	6.1	7.2	-1.1
TMEM165	1	8.0	4.4	3.6	0.9
CLOCK	1	13.5	10.7	2.8	7.9
COL4A2	3	16.2	10.8	5.4	5.4
UBAC2	0	8.5	4.1	4.5	-0.4
ARGLU1	1	69.7	64.9	4.8	60.1
BIVM	1	10.2	7.4	2.8	4.6
ERCC5	1	9.9	7.0	2.9	4.0
TPP2	1	25.8	22.5	3.3	19.2
KDELC1	0	7.2	3.0	4.2	-1.2
CARS2	0	7.0	3.2	3.8	-0.6
STT3A	0	8.1	4.0	4.1	-0.2
ETS1	3	28.1	17.6	10.5	7.0
TMED7	1	49.1	45.6	3.4	42.2
NREP	0	7.1	3.2	3.9	-0.7
WDR36	1	18.9	15.8	3.2	12.6
OSTF1	0	6.4	2.7	3.8	-1.1
RFK	1	25.3	21.5	3.8	17.7
UBQLN1	1	58.7	53.2	5.5	47.6
NAA35	1	16.9	12.7	4.2	8.5
C9orf40	2	17.2	6.5	10.8	-4.3
ANXA1	3	12.8	6.8	6.0	0.8
CTSL	0	8.2	3.7	4.4	-0.7

TMEM2	1	10.7	7.5	3.2	4.4
AGTPBP1	1	14.6	9.9	4.7	5.2
GOLM1	3	8.4	3.5	5.0	-1.5
PSAT1	0	10.2	3.5	6.8	-3.3
ISCA1	0	9.9	3.3	6.6	-3.3
ADAM19	3	11.9	5.3	6.6	-1.3
CCNJL	0	6.2	3.0	3.2	-0.2
TAOK3	1	11.7	8.6	3.1	5.5
USP30	0	8.7	4.0	4.7	-0.8
HNF1A	4	38.3	21.7	16.6	5.1
FBXO21	0	10.6	4.7	5.9	-1.2
TBX3	0	8.0	4.1	3.9	0.1
P2RX4	4	11.2	3.3	7.9	-4.6
TRAFD1	0	9.4	4.0	5.4	-1.4
DMTF1	1	98.6	93.5	5.1	88.4
TMEM243	0	9.0	3.0	6.0	-3.0
TMEM60	0	7.1	2.5	4.6	-2.0
PNPLA8	1	21.1	18.2	3.0	15.2
HILPDA	0	11.7	5.2	6.4	-1.2
RINT1	1	39.1	32.7	6.4	26.2
SRPK2	1	24.1	21.4	2.7	18.7
TES	0	6.3	1.8	4.5	-2.7
MDFIC	1	7.5	3.5	3.9	-0.4
MTO1	1	10.9	6.6	4.2	2.4
SYNCRIP	1	84.2	76.8	7.4	69.4
SNX14	1	69.2	62.3	6.9	55.4
NT5E	3	7.8	2.8	5.0	-2.2
AKIRIN2	0	5.3	2.3	3.0	-0.7
ORC3	1	29.3	21.1	8.2	12.8
MAP3K7	1	29.6	26.8	2.9	23.9
PHF21A	0	8.2	2.8	5.3	-2.5
NAT10	0	18.1	6.5	11.5	-5.0
CAPRIN1	1	92.5	85.3	7.2	78.1
ATP5G2	2	15.6	5.9	9.7	-3.8
DNAJC14	2	16.6	5.5	11.1	-5.6
CD63	0	10.4	4.8	5.6	-0.8
GDF11	0	8.6	4.7	4.0	0.7
ITGA7	0	5.6	2.8	2.8	0.0
BLOC1S1	2	13.8	4.4	9.4	-5.0
CDK4	0	12.8	5.1	7.7	-2.6
TROAP	5	18.6	8.8	9.8	-1.1
TSPAN31	0	6.6	3.4	3.2	0.2
B4GALNT1	0	7.0	3.1	3.9	-0.8
TFCP2	0	5.6	1.7	3.9	-2.3
COQ10A	0	8.7	4.2	4.5	-0.4
PAN2	0	10.3	3.5	6.8	-3.2
ESPL1	5	17.7	5.9	11.7	-5.8
KRT7	3	14.9	8.3	6.6	1.7
HNRNPA1	1	60.1	53.6	6.5	47.1
ACVR1B	4	14.2	4.1	10.0	-5.9
OS9	0	8.1	4.0	4.1	-0.2
LTV1	1	57.2	49.4	7.9	41.5
CD164	1	79.5	75.9	3.6	72.3
NHSL1	4	12.7	4.1	8.7	-4.6

AHI1	1	20.1	16.4	3.7	12.7
PKIB	4	10.3	4.2	6.1	-1.9
SMPD2	2	22.7	10.9	11.8	-0.9
MICAL1	0	13.0	5.0	8.0	-3.0
REPS1	6	14.6	2.7	11.9	-9.2
PRADC1	2	24.1	10.2	13.9	-3.7
SEMA4F	0	15.2	6.4	8.7	-2.3
CCT7	5	19.4	2.6	16.8	-14.2
RAB11FIP5	3	12.5	6.2	6.3	-0.1
SMYD5	0	10.6	4.2	6.4	-2.3
CCDC142	4	18.6	3.7	14.9	-11.2
USP15	1	65.9	59.4	6.5	52.9
GNS	0	9.6	4.6	5.0	-0.5
CPM	0	7.1	2.4	4.7	-2.3
MDM2	1	51.9	47.6	4.3	43.2
KLHL36	3	12.5	3.6	8.9	-5.2
MPHOSPH6	1	21.1	13.3	7.8	5.6
DYNC1LI2	1	61.6	56.5	5.0	51.5
FBXL8	2	20.3	8.9	11.4	-2.6
FHOD1	3	10.2	3.2	7.0	-3.9
AGT	4	22.0	12.7	9.3	3.4
PCNXL2	3	7.9	2.4	5.5	-3.1
URB2	2	20.9	7.2	13.6	-6.4
EGLN1	0	6.7	1.7	4.9	-3.2
COG2	4	10.5	2.9	7.6	-4.7
ABCB10	1	15.8	8.8	7.0	1.8
NTPCR	0	10.9	3.8	7.2	-3.4
TAF5L	9	8.2	0.8	7.5	-6.7
GLUL	4	8.2	2.0	6.2	-4.2
STX6	0	6.1	2.2	3.9	-1.7
DHX9	1	87.2	79.8	7.4	72.4
CEP350	1	30.6	26.3	4.4	21.9
PIGC	9	7.8	1.1	6.7	-5.6
LAMC1	1	16.4	11.8	4.6	7.2
SP110	3	7.7	2.9	4.9	-2.0
MRPL44	4	15.6	3.5	12.0	-8.5
DOCK10	1	11.8	5.7	6.1	-0.4
TTLL4	0	10.9	4.1	6.9	-2.8
ITM2C	0	7.8	4.2	3.6	0.6
SERPINE2	0	6.9	2.7	4.2	-1.5
DNAJB2	3	8.3	2.6	5.7	-3.1
TMBIM1	4	13.0	3.9	9.1	-5.1
CYP27A1	0	7.0	2.6	4.4	-1.7
EIF4E2	6	29.6	10.0	19.6	-9.7
ARMC9	3	13.0	5.0	8.0	-3.0
CAB39	1	26.1	22.0	4.1	17.9
COX5B	2	18.3	7.4	10.9	-3.5
REV1	1	60.7	53.4	7.3	46.1
MFSD9	4	15.2	4.1	11.1	-7.0
TMEM127	0	14.4	6.7	7.7	-1.0
TGFBRAP1	0	11.3	4.9	6.4	-1.5
GCC2	1	31.7	28.8	3.0	25.8
MRPS9	1	25.9	15.6	10.3	5.4
C2orf49	0	11.0	3.8	7.1	-3.3

EPC2	1	21.2	17.4	3.9	13.5
ISCU	0	5.5	2.6	3.0	-0.4
SCYL2	1	58.8	54.5	4.3	50.2
CKAP4	0	8.1	4.6	3.5	1.0
APPL2	1	14.0	10.7	3.3	7.4
PWP1	1	17.2	10.8	6.4	4.4
DRAM1	0	6.0	2.3	3.7	-1.3
KIAA1033	1	71.8	65.8	6.1	59.7
SLC41A2	0	10.0	2.5	7.4	-4.9
FLNB	3	10.0	3.8	6.1	-2.3
NEK3	1	15.6	9.2	6.4	2.8
VPS36	1	28.8	23.9	4.8	19.1
RNASEH2B	7	25.5	3.8	21.7	-18.0
CKAP2	7	39.7	7.1	32.5	-25.4
TBC1D4	1	6.6	3.5	3.1	0.3
BORA	7	20.9	3.2	17.7	-14.6
LRCH1	0	7.9	2.5	5.4	-2.9
SUCLA2	1	47.2	40.1	7.0	33.1
RCBTB1	1	9.4	6.1	3.3	2.8
MED4	1	14.1	10.5	3.6	6.9
PHF11	0	7.1	2.7	4.4	-1.7
COG3	0	10.0	3.7	6.4	-2.7
LMO7	1	16.7	13.8	2.9	10.8
ITM2B	1	6.2	3.3	2.9	0.5
SPRY2	8	8.3	1.4	6.9	-5.5
NUDT15	7	16.9	1.8	15.1	-13.3
LCP1	0	5.7	1.5	4.2	-2.7
SCRN1	0	5.2	1.9	3.3	-1.4
TNS3	3	12.9	6.4	6.5	0.0
CHST12	11	25.3	2.0	23.3	-21.4
IGF2BP3	1	33.9	28.0	5.9	22.0
GPNMB	0	7.0	2.9	4.1	-1.2
RAC1	0	8.8	3.8	5.0	-1.3
KDELR2	1	6.6	3.4	3.2	0.1
NUPL2	1	31.6	24.0	7.6	16.4
ZDHHC4	0	10.0	3.9	6.2	-2.3
BZW2	6	12.4	2.2	10.2	-7.9
TBRG4	2	26.1	9.4	16.7	-7.3
DDX56	2	17.3	6.1	11.2	-5.1
HUS1	0	7.0	3.0	4.0	-1.0
DBNL	0	13.3	5.1	8.2	-3.0
CCM2	0	20.4	7.0	13.4	-6.5
TTYH3	3	18.5	8.2	10.3	-2.0
CIDEB	4	11.1	2.8	8.3	-5.5
TTC5	2	11.6	4.0	7.6	-3.6
MTHFS	4	20.5	9.0	11.4	-2.4
ABHD17C	0	7.7	3.0	4.7	-1.7
IREB2	1	46.7	41.6	5.1	36.5
CIB2	0	5.9	2.8	3.0	-0.2
CALCOCO2	1	7.9	5.0	2.9	2.1
RSAD1	0	8.5	3.8	4.8	-1.0
NMT1	6	27.8	7.1	20.7	-13.5
SRSF1	1	113.7	104.8	8.9	95.9
VEZF1	1	21.6	15.7	5.9	9.7

TACO1	2	28.3	11.4	16.8	-5.4
TEX2	0	7.2	3.1	4.1	-1.0
DCAF7	0	12.9	6.1	6.7	-0.6
LIMD2	0	9.8	5.0	4.8	0.3
KAT7	0	10.0	4.4	5.7	-1.3
ACTL6A	1	43.4	35.8	7.6	28.1
NDUFB5	1	13.5	9.0	4.5	4.5
MRPL47	1	38.3	32.7	5.6	27.2
TRA2B	1	94.7	83.5	11.2	72.2
7-Mar	1	112.9	107.7	5.2	102.5
TANK	1	46.7	43.5	3.3	40.2
GATA4	4	25.2	7.7	17.5	-9.8
SKIL	1	22.2	18.7	3.5	15.2
EPRS	1	106.0	100.1	5.9	94.2
VPS45	1	28.1	23.0	5.2	17.8
KCTD3	1	21.8	18.0	3.8	14.2
RPS6KC1	1	10.7	8.2	2.5	5.7
CBWD2	0	5.6	2.2	3.5	-1.3
SMPD4	0	11.7	5.2	6.5	-1.4
WDR33	1	25.1	18.5	6.6	12.0
CCDC115	0	10.6	4.9	5.7	-0.8
SAP130	0	11.7	4.6	7.0	-2.4
BIN1	0	5.4	2.4	3.0	-0.6
IMP4	0	13.6	5.5	8.1	-2.6
HS6ST1	0	12.9	5.9	7.0	-1.1
UGGT1	1	15.1	11.8	3.3	8.4
STAM	1	23.6	15.7	7.9	7.9
ABI1	1	18.1	14.7	3.4	11.2
YME1L1	1	92.2	87.9	4.2	83.7
DNAJC1	0	6.3	2.5	3.8	-1.3
NIPSNAP3A	0	7.4	2.3	5.1	-2.8
LRRC8A	10	20.9	2.2	18.7	-16.5
CDK9	10	8.5	2.0	6.5	-4.6
TXN	0	8.9	2.7	6.3	-3.6
ODF2	10	11.2	2.2	9.0	-6.8
KIAA0368	1	38.2	30.7	7.4	23.3
TOR1B	10	13.1	2.0	11.1	-9.0
C9orf78	1	23.2	17.1	6.0	11.1
SMC2	7	46.1	8.7	37.4	-28.7
TOR1A	10	10.1	2.7	7.4	-4.7
FAM129B	3	28.9	20.4	8.5	11.9
ST6GALNAC	0	12.4	4.8	7.7	-2.9
DAB2IP	2	16.9	4.6	12.3	-7.7
STXBP1	0	9.9	4.4	5.5	-1.1
SLC2A8	10	10.7	1.1	9.6	-8.6
CDK5RAP2	1	7.3	4.8	2.5	2.3
SLC31A1	0	12.6	4.9	7.7	-2.9
ZNF189	1	17.4	12.1	5.3	6.8
STX17	1	10.9	7.6	3.3	4.3
PRPF4	10	14.4	3.8	10.6	-6.8
FPGS	10	15.4	2.8	12.6	-9.8
USP20	10	29.1	3.5	25.6	-22.1
KIF12	4	10.8	4.0	6.8	-2.8
ATP6V1G1	1	14.1	11.1	3.1	8.0

TEX10	1	15.9	8.7	7.2	1.5
MRPL50	0	17.7	4.7	13.0	-8.3
DPM2	10	16.8	4.4	12.4	-8.0
TSTD2	0	10.4	3.3	7.1	-3.9
PSMB7	10	16.3	6.3	10.0	-3.7
TRMO	10	10.9	2.1	8.8	-6.7
RABEPK	10	21.9	2.8	19.1	-16.3
GOLGA1	0	7.2	2.2	5.0	-2.8
XPA	1	9.7	4.8	5.0	-0.2
NCBP1	1	28.4	21.9	6.5	15.4
ANP32B	10	12.7	2.2	10.5	-8.3
PDCL	1	10.9	7.0	3.9	3.2
RPL35	10	18.1	6.9	11.2	-4.3
CTSV	1	10.7	5.6	5.1	0.5
ARPC5L	10	15.7	5.5	10.2	-4.8
DSCC1	7	12.8	1.7	11.1	-9.3
DERL1	0	8.0	3.1	4.9	-1.8
MYC	0	10.3	4.1	6.2	-2.1
TMEM261	0	8.7	3.5	5.2	-1.8
RANBP6	1	15.0	11.8	3.2	8.5
POLR1E	0	10.0	4.0	6.0	-1.9
PLAA	1	11.5	7.9	3.6	4.3
UBAP2	2	13.3	4.0	9.3	-5.3
APTX	0	8.2	3.3	4.9	-1.6
RNF38	0	6.6	2.8	3.8	-1.1
TLN1	3	9.7	4.2	5.5	-1.4
DNAJB5	0	12.6	6.0	6.6	-0.6
DCTN3	10	17.8	1.1	16.7	-15.6
GRHPR	10	10.6	1.1	9.4	-8.3
ALDH1B1	0	7.3	2.9	4.4	-1.5
HINT2	2	14.5	5.3	9.2	-3.9
ARHGEF39	4	13.9	2.7	11.2	-8.5
DENND4C	1	14.7	12.1	2.5	9.6
RPS6	1	10.8	6.6	4.3	2.3
CNPY3	0	15.2	6.2	9.0	-2.8
FOXP4	2	18.1	5.6	12.4	-6.8
PPIL1	5	14.3	2.7	11.6	-8.9
KLC4	0	10.8	4.5	6.3	-1.8
KIF13A	1	9.3	5.4	4.0	1.4
ZSCAN9	0	12.1	5.3	6.8	-1.6
PIM1	0	7.9	3.3	4.6	-1.3
CMTR1	11	18.0	1.9	16.2	-14.3
TFAP2A	0	6.8	2.4	4.3	-1.9
YIPF3	0	12.2	6.1	6.1	0.0
TMEM14B	0	14.2	5.2	9.0	-3.8
TMEM63B	0	12.6	5.5	7.1	-1.6
TJAP1	0	11.9	5.0	6.9	-1.9
SLC22A23	4	13.7	6.1	7.6	-1.5
TUBB2A	0	11.2	3.8	7.4	-3.6
LRRC1	4	15.1	6.0	9.1	-3.1
BPHL	2	14.2	5.0	9.2	-4.1
RIPK1	0	7.6	3.5	4.1	-0.5
TUBB2B	0	8.8	4.6	4.2	0.4
UQCC2	0	9.2	3.5	5.7	-2.2

HMGA1	0	7.2	3.0	4.2	-1.2
TCF19	5	19.6	3.3	16.3	-12.9
FLOT1	0	8.9	3.7	5.2	-1.4
IER3	3	15.4	8.0	7.4	0.6
MDC1	0	8.3	2.2	6.1	-4.0
ATAT1	0	8.2	3.9	4.3	-0.4
TPMT	0	8.0	2.9	5.1	-2.2
NRM	3	14.5	4.8	9.7	-4.9
MTCH1	0	13.2	5.6	7.6	-2.0
VARS2	11	14.7	1.4	13.3	-11.9
TAF8	0	13.5	5.4	8.1	-2.7
FAM8A1	4	15.7	4.3	11.4	-7.1
CPEB2	0	9.9	2.5	7.4	-4.9
FCHSD2	0	8.1	3.5	4.6	-1.2
ARRB1	0	14.3	4.9	9.4	-4.5
PRKRIR	1	18.8	14.2	4.6	9.6
IL18BP	0	6.1	2.8	3.3	-0.5
NUMA1	3	12.3	3.4	8.9	-5.5
CCDC90B	1	23.3	17.9	5.4	12.6
SYTL2	3	7.9	2.7	5.2	-2.6
RAB30	0	6.6	3.2	3.4	-0.2
CREBZF	1	26.3	23.4	2.9	20.5
PRCP	0	9.3	3.3	5.9	-2.6
NARS2	1	20.1	11.0	9.1	1.9
RNF121	0	7.6	3.2	4.4	-1.3
MRPL15	7	11.4	0.9	10.4	-9.5
GGH	1	31.5	26.9	4.6	22.3
TGS1	1	23.4	18.8	4.6	14.2
SDCBP	1	15.0	7.0	8.0	-1.1
BUD13	2	22.7	9.2	13.5	-4.3
MMP7	3	12.0	4.2	7.9	-3.7
DCUN1D5	0	15.2	5.4	9.8	-4.3
YAP1	1	14.2	9.9	4.3	5.5
SLC37A4	4	19.8	4.8	15.0	-10.2
RDX	1	58.0	52.7	5.3	47.4
PPP2R1B	1	10.6	5.8	4.8	1.1
FDX1	2	23.1	10.9	12.2	-1.3
C11orf1	0	10.8	4.7	6.1	-1.3
MAP2K5	0	11.4	4.2	7.2	-3.0
SQRDL	3	13.0	5.1	7.9	-2.8
CTDSPL2	1	47.1	41.0	6.0	35.0
SLTM	1	123.9	117.4	6.5	110.8
THBS1	3	15.4	8.7	6.8	1.9
MAPKBP1	0	8.7	4.5	4.2	0.4
NUSAP1	5	34.4	11.5	23.0	-11.5
NDUFAF1	0	7.6	2.8	4.9	-2.1
KIF23	7	48.4	10.9	37.4	-26.5
CASC5	1	25.9	19.8	6.1	13.7
HAUS2	7	14.6	2.9	11.7	-8.8
RTF1	1	53.4	45.7	7.7	38.1
PARP6	0	6.4	2.0	4.5	-2.5
RPLP1	6	14.5	6.1	8.4	-2.4
PAQR5	0	5.6	2.3	3.2	-0.9
TUBGCP4	0	10.0	3.3	6.7	-3.5

RMDN3	4	13.8	3.9	9.9	-6.0
ITPKA	4	25.3	7.5	17.8	-10.3
UACA	1	21.7	17.5	4.2	13.4
SMAD6	0	8.5	3.0	5.5	-2.5
TMEM62	0	9.8	3.8	6.0	-2.2
ADAM10	1	78.0	74.2	3.8	70.4
ZNF280D	1	8.8	5.1	3.7	1.4
RSL24D1	1	64.8	60.1	4.7	55.4
GCHFR	4	37.6	20.9	16.6	4.3
BCAR3	3	16.7	9.8	6.8	3.0
TTLL7	1	12.0	8.6	3.4	5.2
FNBP1L	1	23.7	20.7	3.0	17.8
CCBL2	1	10.9	7.4	3.5	3.9
GTF2B	1	15.3	11.9	3.4	8.5
RABGGTB	1	100.8	94.0	6.8	87.1
ARHGAP29	1	22.2	18.1	4.1	14.0
RTCA	1	33.0	26.1	7.0	19.1
IFT172	0	10.3	4.9	5.4	-0.5
EPT1	1	21.0	14.9	6.2	8.7
CGREF1	0	13.6	4.9	8.7	-3.8
HADHB	0	6.6	2.6	4.0	-1.3
KHK	4	19.1	7.8	11.4	-3.6
ADCY3	0	8.5	3.7	4.8	-1.2
PPM1B	1	29.9	26.4	3.5	23.0
PNPT1	1	67.2	59.8	7.4	52.4
DYNC2LI1	1	9.5	6.1	3.3	2.8
THUMPD2	1	19.1	14.8	4.3	10.5
CYP1B1	3	10.7	4.4	6.3	-1.9
RAB1A	1	96.2	91.9	4.3	87.6
ACTR2	1	109.5	104.6	4.9	99.7
PREB	0	14.5	5.6	8.9	-3.3
SLC5A6	4	18.1	3.5	14.6	-11.1
PREPL	1	34.9	31.9	2.9	29.0
FBXO11	1	42.5	39.5	3.1	36.4
ATRAID	0	7.0	3.8	3.3	0.5
CENPO	5	14.9	4.8	10.1	-5.3
LRPPRC	1	84.5	78.5	6.0	72.5
DTNB	0	8.5	4.4	4.1	0.4
ACTR1A	0	15.7	7.6	8.0	-0.4
MYOF	3	27.7	18.9	8.8	10.2
LOXL4	0	7.0	3.1	3.9	-0.8
ATAD1	1	25.2	21.2	4.1	17.1
KIF11	7	57.7	13.5	44.3	-30.8
TACC2	0	7.9	3.1	4.8	-1.7
DUSP5	0	10.0	3.9	6.0	-2.1
ARL3	0	14.1	5.7	8.5	-2.8
CEP55	7	36.0	8.4	27.5	-19.1
KIF20B	7	34.4	7.1	27.3	-20.2
EXOC6	1	15.9	8.9	6.9	2.0
RBP4	4	24.3	14.7	9.6	5.1
DBR1	0	6.6	2.7	3.9	-1.1
DNAJC13	1	39.7	35.6	4.1	31.6
ANXA7	6	10.1	1.2	8.8	-7.6
FAM149B1	0	9.9	3.4	6.5	-3.1

ASCC1	1	10.3	5.1	5.2	-0.2
RPS24	1	25.4	20.4	5.0	15.3
DNA2	7	37.8	6.7	31.0	-24.3
AOX1	3	8.7	3.8	4.9	-1.1
ATIC	5	19.9	5.3	14.7	-9.4
SMARCAL1	0	12.3	5.8	6.5	-0.7
BARD1	7	15.0	2.1	12.9	-10.8
ASNSD1	1	77.8	70.2	7.7	62.5
METTL5	1	44.5	37.1	7.4	29.8
SSB	1	116.4	109.3	7.1	102.2
NAB1	1	32.1	28.3	3.8	24.6
PPIG	1	58.3	52.9	5.4	47.6
FASTKD1	1	34.9	28.9	6.0	22.9
IDH1	4	15.3	6.5	8.8	-2.3
OLA1	1	69.9	56.4	13.5	42.9
CIR1	1	21.7	18.0	3.6	14.4
SSFA2	1	85.2	78.3	7.0	71.3
WDR12	6	44.0	14.5	29.5	-15.0
ABI2	0	7.8	2.8	4.9	-2.1
ITGAV	1	44.3	39.0	5.3	33.6
SLC40A1	4	15.9	7.3	8.6	-1.3
SLC35A5	1	21.7	17.3	4.4	12.9
DIRC2	0	7.1	3.3	3.9	-0.6
COX17	0	7.1	2.9	4.2	-1.3
PARP9	0	12.3	5.1	7.2	-2.1
USP8	1	48.5	45.5	3.0	42.5
SECISBP2L	1	29.6	26.7	2.9	23.8
TMOD3	1	25.3	22.1	3.2	18.8
SPPL2A	1	25.7	21.9	3.7	18.2
GLCE	0	9.1	2.9	6.2	-3.2
APH1B	0	5.7	3.0	2.6	0.4
VWA9	0	10.7	4.3	6.4	-2.1
PARP16	2	15.8	5.0	10.8	-5.8
PPCDC	2	15.6	5.8	9.8	-4.1
SEMA7A	3	12.9	5.6	7.3	-1.7
UBL7	0	10.8	3.8	7.0	-3.2
HERC3	0	8.4	2.8	5.6	-2.8
AP1AR	1	22.6	17.7	4.9	12.8
COPS4	1	20.1	16.8	3.3	13.6
HNRNPD	1	11.7	7.5	4.2	3.4
SEC31A	1	14.1	11.2	3.0	8.2
GPAT3	0	7.3	2.9	4.3	-1.4
BBS7	1	9.9	5.3	4.6	0.8
KIAA1109	1	26.9	23.9	2.9	21.0
RAP1GDS1	0	6.1	2.6	3.5	-0.8
LARP1B	1	17.9	11.2	6.8	4.4
NAAA	0	7.2	3.2	4.0	-0.8
NUP54	1	72.7	63.5	9.2	54.2
BMP2K	1	9.6	6.6	3.0	3.5
G3BP2	1	54.4	50.8	3.6	47.3
11-Sep	1	71.1	64.3	6.8	57.5
SCARB2	0	10.7	4.7	6.0	-1.2
CCNG2	0	10.4	3.9	6.5	-2.7
CNOT6L	1	14.8	10.6	4.2	6.4

USO1	1	50.9	48.1	2.8	45.3
SHROOM3	0	6.9	2.8	4.1	-1.3
ANXA3	1	7.7	3.8	3.8	0.0
PPA2	0	6.8	2.6	4.2	-1.5
CENPE	7	25.0	3.3	21.7	-18.4
GSTCD	1	10.5	5.7	4.7	1.0
INTS12	0	6.2	1.9	4.2	-2.3
CASP6	4	7.7	2.2	5.5	-3.3
HADH	0	8.8	2.9	5.9	-3.0
PAPSS1	0	10.7	4.4	6.3	-1.9
SEC24B	1	16.4	13.9	2.4	11.5
PPP3CA	1	12.8	6.6	6.2	0.4
SLC39A8	0	6.1	1.7	4.4	-2.7
MAPK8IP3	0	8.4	4.0	4.4	-0.4
RGS3	3	11.4	5.9	5.5	0.4
GUCD1	0	9.3	3.8	5.5	-1.7
RNF185	2	16.7	6.0	10.7	-4.6
GABARAPL1	0	5.8	2.2	3.6	-1.3
KIF21A	1	34.5	27.1	7.4	19.6
CPNE8	1	19.2	14.5	4.6	9.9
YARS2	1	23.5	12.5	11.1	1.4
FAM60A	1	27.3	21.3	6.0	15.4
AEBP2	1	30.1	26.1	4.0	22.0
ETNK1	1	21.6	15.7	5.9	9.8
ZCRB1	1	53.9	46.9	7.0	39.9
C1RL	0	11.8	5.6	6.3	-0.7
NDUFA9	0	9.9	3.5	6.4	-2.9
CLSTN3	0	9.3	3.8	5.6	-1.8
VAMP1	0	7.0	3.2	3.8	-0.6
TAPBPL	0	9.9	4.0	5.8	-1.8
PEX5	2	15.0	4.1	10.9	-6.8
AMIGO2	1	16.9	9.7	7.2	2.5
SCAF11	1	96.5	89.1	7.4	81.7
LLPH	1	56.8	49.1	7.7	41.3
LRIG3	0	6.1	2.2	3.9	-1.7
9-Mar	0	11.8	5.1	6.7	-1.5
GLIPR1	3	16.5	8.4	8.1	0.3
PHLDA1	0	9.8	4.2	5.6	-1.4
TMEM19	7	14.5	1.5	13.0	-11.5
DUSP6	4	12.6	3.8	8.8	-5.0
POC1B	0	12.3	3.2	9.1	-5.9
LUM	0	5.6	2.1	3.5	-1.4
SNRPF	5	26.7	6.7	20.0	-13.3
NEDD1	7	45.4	6.7	38.7	-32.0
GAS2L3	1	16.9	11.5	5.4	6.1
SLC15A4	0	5.9	2.0	3.9	-1.9
TDG	1	33.8	29.1	4.7	24.4
RITA1	2	22.6	9.2	13.4	-4.2
SDSL	4	20.9	5.4	15.5	-10.1
MMAB	2	16.2	5.1	11.2	-6.1
GLTP	3	9.0	2.7	6.3	-3.6
GIT2	0	8.8	4.0	4.8	-0.8
TCHP	0	6.7	2.9	3.9	-1.0
NUP58	1	21.3	16.0	5.3	10.7

MTMR6	1	10.6	7.2	3.4	3.7
SLC7A1	0	8.7	3.4	5.3	-1.9
SUOX	4	23.6	7.0	16.6	-9.5
TARBP2	0	15.8	6.3	9.5	-3.1
NABP2	0	11.2	4.0	7.2	-3.1
SMARCC2	0	10.4	4.6	5.8	-1.2
KANSL2	0	10.1	4.6	5.5	-0.9
CERS5	6	12.8	2.3	10.5	-8.1
MAP3K12	0	9.6	4.3	5.3	-1.1
CSAD	0	9.4	3.8	5.6	-1.8
LMBR1L	0	7.8	4.3	3.6	0.7
C12orf10	0	14.8	6.1	8.7	-2.6
ESYT1	0	11.3	3.9	7.4	-3.5
TMBIM6	0	9.2	3.2	6.0	-2.8
ANKRD52	0	10.7	4.5	6.2	-1.6
ZNF740	1	16.0	9.5	6.5	3.0
ESD	1	16.6	11.7	4.9	6.8
RB1	1	13.5	10.6	2.9	7.7
SBNO1	1	34.5	29.8	4.7	25.0
SETD1B	2	21.1	7.8	13.3	-5.5
VPS33A	0	9.9	3.8	6.1	-2.4
VPS37B	0	17.9	6.0	12.0	-6.0
RHOF	4	13.4	4.0	9.3	-5.3
DENR	1	37.0	32.2	4.8	27.4
DIAPH3	7	18.1	3.2	15.0	-11.8
RBM26	1	34.6	30.2	4.4	25.8
MBNL2	1	18.1	13.0	5.2	7.8
RAB20	0	17.2	5.7	11.6	-5.9
CUL4A	0	10.4	3.3	7.1	-3.8
CDH24	2	15.8	4.8	11.0	-6.1
TMX1	1	71.2	64.8	6.5	58.3
FRMD6	3	26.6	12.5	14.1	-1.6
SLC38A6	1	13.4	8.2	5.2	3.0
NAA30	1	19.0	15.5	3.5	11.9
DCAF5	0	10.9	6.2	4.6	1.6
RAB15	0	6.6	2.7	3.8	-1.1
WDR89	1	21.3	14.9	6.4	8.5
EFCAB11	0	10.8	3.3	7.6	-4.3
PTGR2	1	9.0	6.5	2.6	3.9
JDP2	0	6.3	3.0	3.2	-0.2
C14orf79	2	17.9	7.3	10.6	-3.3
WARS	0	7.2	3.8	3.4	0.4
WDR20	0	8.9	3.7	5.2	-1.5
NIPA2	1	17.0	11.8	5.2	6.7
MFAP1	1	30.4	26.3	4.1	22.2
TCF12	1	58.3	53.8	4.6	49.2
SORD	4	19.1	7.0	12.1	-5.2
SERF2	0	8.4	2.9	5.6	-2.7
ZSCAN29	0	12.4	3.7	8.6	-4.9
LYSMD2	0	7.1	3.1	4.0	-0.9
GCNT3	4	18.1	5.6	12.5	-7.0
BNIP2	1	53.1	50.3	2.8	47.5
GTF2A2	1	85.7	76.2	9.6	66.6
SRP14	1	15.2	11.9	3.3	8.6

BAHD1	2	32.8	15.5	17.3	-1.8
CDAN1	2	15.5	5.9	9.6	-3.6
TLE3	0	6.3	2.5	3.7	-1.2
ANP32A	1	22.6	17.6	5.1	12.5
COMMD4	5	14.4	2.5	11.8	-9.3
UBE2Q2	1	26.2	22.7	3.5	19.3
ETFA	1	25.0	18.4	6.6	11.7
HMG20A	1	16.2	10.3	5.9	4.4
TSPAN3	0	11.9	4.9	7.1	-2.2
WDR61	1	8.3	4.4	3.9	0.5
NCOA2	1	16.2	10.8	5.4	5.5
MAN2C1	0	7.9	3.1	4.8	-1.7
MESDC1	2	40.6	22.0	18.6	3.4
TPM1	3	18.9	12.9	6.0	6.9
IGF1R	1	11.4	5.8	5.6	0.2
PIF1	0	10.0	3.6	6.4	-2.9
USP3	4	10.4	2.8	7.7	-4.9
BBS4	1	12.5	9.2	3.3	5.9
PML	3	21.8	13.0	8.8	4.2
LINS1	1	16.2	11.3	4.9	6.4
ULK3	2	11.1	3.4	7.7	-4.3
PCSK6	4	21.0	12.0	9.0	3.0
SCAMP2	4	11.4	4.0	7.4	-3.4
POLG	0	7.2	2.7	4.5	-1.8
FANCI	7	32.1	5.4	26.7	-21.3
ABHD2	0	13.4	5.0	8.5	-3.5
TICRR	0	12.2	5.1	7.1	-2.0
MFGE8	3	12.3	6.2	6.1	0.1
ZNF710	2	25.2	8.4	16.8	-8.5
UNC45A	0	11.2	4.5	6.7	-2.2
FURIN	0	9.4	4.2	5.1	-0.9
IQGAP1	1	57.6	49.3	8.3	41.0
CRTC3	0	9.0	4.5	4.5	0.0
EFTUD1	1	11.1	8.2	2.9	5.3
SEC11A	1	20.6	17.3	3.3	14.0
GLYR1	0	9.4	3.2	6.2	-3.0
PMM2	12	10.0	1.3	8.7	-7.4
TGFB1I1	3	15.9	5.9	10.0	-4.1
C16orf58	11	18.1	2.4	15.6	-13.2
ARMC5	11	31.5	2.8	28.7	-25.9
PARN	1	13.0	9.7	3.3	6.4
FTO	0	9.8	4.9	4.9	-0.1
UQCRC2	1	52.0	47.5	4.5	43.1
CDR2	1	7.6	4.2	3.3	0.9
ARHGAP17	0	5.5	1.9	3.7	-1.8
DHX38	0	10.9	5.5	5.3	0.2
TXNL4B	0	14.6	6.3	8.3	-1.9
CPNE2	3	11.1	3.4	7.8	-4.4
NLRC5	3	13.9	6.4	7.5	-1.1
KATNB1	2	18.0	7.4	10.6	-3.1
KIFC3	3	14.5	7.3	7.2	0.1
GCSH	6	38.5	8.7	29.8	-21.0
CMTM3	0	8.9	4.4	4.5	-0.1
NOL3	0	13.4	5.5	7.9	-2.4

MAP1LC3B	0	7.9	3.6	4.3	-0.7
MBTPS1	0	9.3	4.1	5.1	-1.0
ZCCHC14	0	8.1	4.0	4.1	-0.1
TLDC1	3	13.0	6.1	7.0	-0.9
OSGIN1	4	17.2	4.8	12.4	-7.6
RHOT2	12	10.9	2.5	8.3	-5.8
ZSCAN32	0	6.9	2.8	4.2	-1.4
RPS2	12	11.5	2.0	9.5	-7.5
NDUFB10	12	9.7	2.8	6.9	-4.2
PDPK1	0	8.3	3.1	5.2	-2.2
DEF8	0	9.5	4.8	4.6	0.2
TCF25	6	11.1	1.9	9.2	-7.3
GALNS	0	10.4	5.9	4.5	1.4
GAS8	0	7.0	3.2	3.7	-0.5
MED9	2	20.6	8.5	12.0	-3.5
NCOR1	1	28.2	25.3	2.9	22.4
COPS3	1	17.3	11.8	5.5	6.3
GID4	0	11.4	4.1	7.2	-3.1
KSR1	0	6.4	2.8	3.5	-0.7
UTP4	0	16.0	6.7	9.3	-2.5
RANBP10	2	29.9	14.7	15.2	-0.5
CTRL	6	8.1	1.8	6.3	-4.4
GFOD2	2	30.0	15.1	14.9	0.2
NOB1	0	20.1	8.5	11.6	-3.0
PRPSAP2	6	20.5	2.9	17.7	-14.8
PCTP	4	15.1	5.7	9.4	-3.7
TOM1L1	1	9.5	4.1	5.4	-1.3
C17orf80	1	17.1	13.1	4.0	9.2
TOB1	4	16.8	7.3	9.5	-2.2
VPS53	6	9.2	1.5	7.7	-6.2
SGSM2	0	6.9	2.7	4.2	-1.4
NPEPPS	1	7.0	3.4	3.7	-0.3
SCRN2	2	12.5	4.7	7.8	-3.1
SSH2	0	10.0	3.8	6.2	-2.4
G6PC3	0	9.5	3.6	5.9	-2.3
CLTC	1	92.7	87.8	4.9	82.9
BCAS3	0	7.2	3.8	3.4	0.4
PTRH2	1	39.1	32.5	6.6	25.9
SS18	1	69.8	63.7	6.1	57.5
AFG3L2	0	6.2	2.5	3.7	-1.2
IMPA2	0	9.4	3.6	5.8	-2.3
SLC39A6	1	20.9	16.0	4.8	11.2
RPRD1A	1	14.2	10.3	3.8	6.5
C18orf21	1	11.2	7.9	3.3	4.5
GALNT1	1	15.8	12.3	3.5	8.8
ESCO1	1	24.5	19.8	4.7	15.1
OSBPL1A	0	5.9	2.6	3.3	-0.8
C18orf8	0	6.5	2.7	3.8	-1.0
PELP1	0	16.5	5.9	10.6	-4.6
NPC1	0	6.6	2.7	3.9	-1.3
ARRB2	4	13.4	2.9	10.5	-7.6
WRAP53	2	23.5	8.3	15.2	-6.9
MINK1	0	12.5	5.4	7.1	-1.7
SAT2	0	7.0	3.3	3.7	-0.4

TP53	0	5.9	2.5	3.4	-0.8
ARHGDIA	0	10.0	3.6	6.3	-2.7
TMC6	4	16.4	6.8	9.5	-2.7
SLC16A3	0	7.8	3.5	4.3	-0.9
TTYH2	0	12.2	5.1	7.2	-2.1
RAB40B	0	8.3	3.2	5.1	-1.9
EIF4A3	5	16.2	3.3	13.0	-9.7
CSNK1D	0	7.2	3.8	3.4	0.3
ANAPC11	0	12.3	4.5	7.9	-3.4
TBCD	0	11.0	4.5	6.5	-2.0
FN3KRP	5	9.8	2.1	7.7	-5.6
NARF	0	6.2	3.2	3.0	0.1
RPTOR	0	14.9	6.4	8.5	-2.1
FOXK2	0	9.9	4.9	5.1	-0.2
TRIM65	2	14.2	5.2	9.0	-3.7
CBX8	2	19.0	7.6	11.3	-3.7
RNF157	0	4.9	2.3	2.7	-0.4
CEP131	2	18.4	6.8	11.6	-4.8
WDR45B	0	6.0	2.5	3.6	-1.1
CBX4	4	18.6	5.5	13.1	-7.6
DYM	0	4.9	2.0	2.9	-0.9
ELAC1	2	13.5	4.3	9.1	-4.8
MBD1	0	14.8	6.2	8.6	-2.4
SMAD4	1	13.2	10.0	3.2	6.8
ZCCHC2	4	6.2	1.8	4.4	-2.6
PMAIP1	3	8.1	3.1	4.9	-1.8
P3H4	0	7.3	3.9	3.4	0.5
NT5C3B	0	5.7	2.8	2.9	-0.1
FAM134C	0	17.5	6.8	10.7	-3.9
ERBB2	0	6.3	2.6	3.7	-1.0
GRB7	4	15.6	5.1	10.5	-5.4
MIEN1	0	12.1	5.0	7.1	-2.1
IGFBP4	3	14.8	7.9	6.9	1.0
FKBP10	1	10.5	6.5	4.0	2.5
TXNL4A	0	7.9	3.7	4.2	-0.4
SAMD1	8	16.6	3.9	12.7	-8.7
BRD4	8	18.6	5.3	13.4	-8.1
SLC39A3	8	15.8	4.4	11.5	-7.1
NFIC	3	21.1	8.6	12.5	-4.0
TPGS1	8	49.1	7.6	41.4	-33.8
PLPP2	9	7.5	0.9	6.6	-5.7
PFKL	2	13.5	4.6	8.9	-4.4
MVB12A	8	20.9	3.6	17.3	-13.6
SH3GL1	8	14.2	4.1	10.1	-6.0
DUS3L	0	7.7	2.7	4.9	-2.2
DPP9	8	15.1	3.7	11.4	-7.8
CCDC97	2	16.5	5.1	11.4	-6.3
SIRT3	0	8.8	3.9	4.9	-0.9
IFITM3	0	10.3	5.1	5.2	-0.2
ATHL1	0	7.9	3.4	4.6	-1.2
COL6A1	3	19.6	13.0	6.6	6.4
IFNAR1	1	9.4	5.1	4.3	0.8
SOD1	0	10.4	4.4	6.0	-1.6
COL6A2	3	17.7	11.0	6.7	4.4

SCYL1	2	19.4	7.7	11.8	-4.1
TMEM50B	1	9.4	4.8	4.6	0.2
APP	3	11.3	4.8	6.6	-1.8
DOPEY2	0	12.0	4.8	7.2	-2.4
URB1	2	24.0	10.2	13.8	-3.5
AKT1	0	8.7	4.3	4.5	-0.2
EMP3	3	9.8	4.3	5.5	-1.3
SAE1	5	11.1	4.1	6.9	-2.8
GEMIN7	0	12.2	4.7	7.4	-2.7
WTIP	0	7.8	3.7	4.1	-0.5
ADAMTS10	3	6.7	2.3	4.4	-2.1
RNPEPL1	2	15.5	4.6	11.0	-6.4
CAPN10	2	22.9	10.7	12.2	-1.5
ERVK3-1	0	7.2	3.5	3.7	-0.2
ZNF787	4	33.7	5.6	28.1	-22.5
C19orf52	8	33.6	7.3	26.3	-19.0
CARM1	8	17.8	4.0	13.8	-9.8
EVI5L	10	19.4	1.5	17.9	-16.3
PSMB6	0	14.2	6.1	8.1	-2.0
ZNF473	0	12.0	5.5	6.6	-1.1
RPS11	0	12.7	7.3	5.4	1.8
RPL13A	0	9.8	5.8	4.0	1.8
NOSIP	2	16.2	5.2	11.1	-5.9
RERE	0	6.7	3.4	3.3	0.2
MMEL1	2	18.4	6.4	12.0	-5.6
EPHA2	3	15.2	5.2	10.0	-4.8
EFHD2	3	18.0	6.0	12.0	-6.0
PEX14	2	33.4	15.3	18.1	-2.7
PGD	0	8.9	3.6	5.2	-1.6
SH3BGRL3	3	11.6	5.6	6.0	-0.4
RPL11	0	9.6	3.6	6.0	-2.4
ZNF593	2	44.3	24.3	20.0	4.3
C1orf216	0	19.4	8.6	10.8	-2.2
KIAA0319L	0	8.8	4.1	4.7	-0.6
EVA1B	0	17.8	6.9	10.9	-4.0
PLK4	7	47.5	8.8	38.7	-29.9
MAP3K6	0	16.2	6.5	9.6	-3.1
GPN2	0	14.9	6.5	8.4	-1.9
WDTC1	0	24.7	9.9	14.8	-4.9
HSPG2	3	12.7	4.9	7.9	-3.0
ITGB3BP	1	33.3	24.6	8.7	16.0
SERBP1	1	83.9	77.8	6.0	71.8
BCL10	1	11.2	6.2	4.9	1.3
CYR61	3	21.7	14.0	7.8	6.2
PRKACB	1	25.0	21.2	3.8	17.4
PIGK	1	27.9	23.4	4.5	19.0
TINAGL1	0	4.6	1.8	2.8	-0.9
RPS8	0	12.1	4.9	7.2	-2.3
KIF2C	5	25.8	14.5	11.3	3.3
PTPRF	0	9.1	3.7	5.4	-1.7
LMO4	0	6.1	2.1	4.1	-2.0
MTF2	1	51.1	44.6	6.5	38.0
SLC44A3	4	11.8	4.8	7.1	-2.3
IGSF3	0	5.5	2.6	2.9	-0.2

CTTNBP2NL	1	18.2	10.0	8.2	1.8
STRIP1	0	9.4	4.9	4.5	0.4
PSMA5	6	43.4	12.2	31.1	-18.9
GPR161	0	8.5	4.0	4.5	-0.5
ALDH9A1	9	11.1	1.5	9.6	-8.1
ATP1B1	4	13.5	4.1	9.4	-5.4
TIPRL	1	16.7	11.4	5.2	6.2
NME7	1	39.2	31.6	7.6	24.0
POGK	9	11.1	1.9	9.1	-7.2
MPC2	4	12.9	5.1	7.8	-2.7
CREG1	0	8.8	3.1	5.7	-2.7
DCAF6	1	11.8	7.9	3.9	4.0
UCK2	0	13.2	4.1	9.1	-4.9
TMCO1	0	9.7	2.5	7.2	-4.8
MGST3	3	8.9	2.8	6.1	-3.3
RFWD2	0	7.4	2.3	5.1	-2.7
UFC1	1	7.1	3.5	3.6	-0.1
PPOX	0	10.3	4.4	5.9	-1.6
NUF2	7	34.2	7.1	27.0	-19.9
SDHC	9	11.8	2.6	9.2	-6.6
PFDN2	9	8.9	1.9	7.1	-5.2
NR1I3	4	16.0	5.1	10.9	-5.8
USP21	9	12.5	2.4	10.1	-7.7
PRCC	9	8.8	2.9	5.9	-2.9
RRNAD1	9	15.3	2.2	13.0	-10.8
MRPL24	9	16.1	2.4	13.7	-11.3
ISG20L2	9	13.0	3.6	9.5	-5.9
CRABP2	0	8.5	3.9	4.7	-0.8
HDGF	9	12.7	2.6	10.1	-7.6
ABL2	3	15.8	7.2	8.6	-1.4
XPR1	1	12.8	9.0	3.8	5.1
TOR1AIP1	1	27.5	22.0	5.6	16.4
RGL1	0	7.9	4.2	3.8	0.4
LYPLAL1	1	8.8	4.3	4.5	-0.2
PRUNE	9	19.6	3.5	16.1	-12.6
TUFT1	3	9.6	3.8	5.7	-1.9
SF3B4	9	15.4	3.2	12.2	-9.0
ECM1	3	12.2	5.4	6.8	-1.4
ZNF687	9	24.5	6.5	18.0	-11.4
TARS2	9	18.5	6.3	12.1	-5.8
CGN	4	16.5	8.2	8.3	0.0
SNX27	9	7.5	2.0	5.5	-3.5
SETDB1	9	11.7	4.5	7.2	-2.7
MCL1	1	19.1	16.1	3.0	13.1
RFX5	9	7.8	1.8	6.0	-4.2
PI4KB	9	15.7	5.1	10.6	-5.4
PIP5K1A	1	10.3	5.3	5.0	0.4
ANP32E	1	71.9	63.6	8.3	55.3
FAM63A	2	20.2	7.3	13.0	-5.7
ANXA9	4	22.9	14.1	8.8	5.3
SELENBP1	4	16.0	4.3	11.7	-7.4
CERS2	9	10.4	1.5	8.9	-7.4
ENSA	9	12.2	3.9	8.3	-4.4
MRPL9	5	20.5	3.6	16.8	-13.2

ARNT	9	10.8	3.3	7.5	-4.3
POGZ	9	13.4	1.8	11.7	-9.9
OAZ3	6	11.5	3.3	8.2	-4.9
GOLPH3L	9	8.1	1.4	6.8	-5.4
DTL	5	18.8	6.1	12.6	-6.5
DYRK3	0	10.6	4.4	6.2	-1.9
EIF2D	0	12.6	5.1	7.5	-2.5
INTS7	1	9.5	4.6	4.9	-0.4
TAF1A	1	13.9	9.2	4.7	4.5
SMYD2	0	7.1	2.6	4.5	-1.9
DUSP10	3	14.1	7.4	6.7	0.6
TP53BP2	1	16.6	11.4	5.2	6.2
ATP8B2	0	8.1	4.3	3.8	0.5
ADAM15	9	20.8	2.2	18.6	-16.4
JTB	9	15.2	4.9	10.3	-5.4
RAB13	3	13.2	6.5	6.7	-0.2
TPM3	9	10.6	2.3	8.4	-6.1
SNAPIN	9	18.2	5.0	13.2	-8.2
SLC27A3	2	13.3	4.0	9.3	-5.4
UBAP2L	9	12.6	4.7	7.9	-3.3
SLC39A1	9	17.5	4.8	12.7	-7.9
HAX1	9	18.7	4.7	14.0	-9.3
CREB3L4	9	15.0	3.0	12.1	-9.1
C1orf43	9	13.0	4.5	8.6	-4.1
GATAD2B	9	11.6	2.6	9.0	-6.4
ILF2	9	10.1	2.3	7.8	-5.5
RIT1	9	9.8	1.8	8.0	-6.2
INTS3	9	14.3	5.3	9.0	-3.7
C1orf131	0	12.2	3.3	8.9	-5.6
GALNT2	3	14.3	7.0	7.3	-0.3
TTC13	0	5.2	1.9	3.3	-1.3
SCCPDH	0	10.7	2.8	7.9	-5.1
CEP170	1	49.5	42.0	7.4	34.6
ACP1	1	28.7	24.5	4.2	20.4
SNAP47	2	18.4	6.6	11.7	-5.1
SRP9	1	81.3	77.0	4.3	72.7
NVL	1	20.5	14.0	6.5	7.5
SDE2	0	8.2	3.5	4.7	-1.1
DEGS1	3	11.5	5.7	5.8	-0.1
FBXO28	1	12.4	8.1	4.3	3.8
ARF1	0	10.8	4.3	6.5	-2.2
CNIH4	0	9.5	3.5	5.9	-2.4
GUK1	3	22.8	8.5	14.3	-5.8
CDC42BPA	1	16.5	13.4	3.1	10.3
C1orf35	2	35.2	16.5	18.7	-2.2
PARP1	5	16.0	6.5	9.5	-3.0
PSEN2	0	14.1	5.0	9.1	-4.1
PYCR2	2	14.5	4.1	10.4	-6.4
LBR	7	25.2	3.7	21.5	-17.8
EPHX1	0	12.8	5.5	7.3	-1.8
SOX13	2	25.0	9.7	15.3	-5.5
ETNK2	0	11.7	5.4	6.3	-0.8
PLEKHA6	0	19.1	7.3	11.9	-4.6
ARL8A	3	13.5	6.9	6.6	0.3

PDIA6	0	5.4	2.2	3.2	-1.0
RHOB	0	8.0	3.5	4.6	-1.1
HNRNPLL	1	34.9	26.2	8.7	17.5
GALM	4	15.1	4.1	11.1	-7.0
CAMKMT	0	14.1	5.4	8.8	-3.4
EML4	1	22.7	16.4	6.3	10.1
CALM2	1	57.5	52.7	4.8	47.9
CHAC2	7	18.7	3.1	15.6	-12.4
RPS27A	1	50.8	40.8	10.0	30.8
VPS54	1	26.8	20.5	6.3	14.2
ASXL2	1	20.4	15.7	4.7	11.0
ETAA1	1	15.7	12.2	3.5	8.7
SNRPG	1	46.1	29.9	16.1	13.8
CIAO1	2	15.7	6.1	9.6	-3.5
SNRNP200	0	9.4	4.1	5.4	-1.3
MRPS5	0	10.9	4.3	6.6	-2.4
TPRKB	1	62.1	50.0	12.1	37.9
EXOC6B	0	7.0	2.0	5.0	-3.1
SFXN5	4	12.8	3.6	9.2	-5.6
TEX261	0	10.6	4.9	5.7	-0.8
DUSP11	1	12.3	7.6	4.7	2.9
RALB	1	14.2	7.8	6.4	1.3
TMEM177	2	25.6	9.6	16.0	-6.4
SLC20A1	3	7.3	2.7	4.5	-1.8
ZC3H8	1	19.4	14.0	5.5	8.5
UBXN4	1	83.7	80.1	3.6	76.4
SPOPL	1	22.4	18.6	3.8	14.9
POLR2D	0	9.9	3.9	6.0	-2.0
AMMECR1L	0	10.5	6.0	4.5	1.4
PKP4	1	12.9	7.8	5.1	2.8
SCRN3	1	14.9	12.0	2.9	9.1
KIAA1715	1	32.4	24.8	7.5	17.3
CDCA7	7	11.5	1.2	10.2	-9.0
UBR3	1	27.7	24.0	3.7	20.3
GULP1	1	9.9	6.8	3.1	3.8
HSPD1	1	76.0	66.7	9.4	57.3
CCDC150	1	33.9	25.2	8.6	16.6
METTL21A	0	9.7	3.2	6.5	-3.3
SPAG16	1	10.8	7.2	3.6	3.6
SUMF1	0	14.2	5.6	8.5	-2.9
RHBDD1	0	7.7	3.8	3.9	-0.1
ACKR3	0	7.4	1.7	5.8	-4.1
HES6	2	29.9	11.9	18.1	-6.2
ANKMY1	0	5.0	2.1	2.9	-0.8
COPS7B	6	7.7	1.1	6.6	-5.4
DIS3L2	0	12.1	4.6	7.5	-2.8
FANCD2	5	19.5	3.7	15.8	-12.1
TAMM41	2	17.7	7.4	10.3	-3.0
VGLL4	0	10.8	5.1	5.7	-0.6
RAB5A	1	45.1	41.3	3.8	37.6
FAM134A	0	10.2	5.4	4.9	0.5
CTDSP1	2	16.4	4.8	11.5	-6.7
RQCD1	0	9.1	3.3	5.7	-2.4
STK11IP	0	7.0	3.7	3.3	0.4

GMPPA	0	7.7	3.8	3.8	0.0
EAF1	4	13.1	3.8	9.3	-5.6
DYNC1LI1	1	39.1	29.3	9.8	19.5
OSBPL10	0	5.7	2.4	3.3	-0.9
POMGNT2	2	20.6	8.0	12.5	-4.5
CSRNP1	2	17.4	6.9	10.5	-3.7
SLC25A38	2	14.1	4.7	9.5	-4.8
GOLGA4	1	40.3	34.9	5.4	29.5
CTDSPL	4	9.1	2.2	6.9	-4.7
IQSEC1	0	10.5	4.5	6.0	-1.6
RPL32	6	10.3	1.5	8.8	-7.3
PTPRG	1	9.4	5.5	3.9	1.6
SHQ1	0	6.4	2.7	3.7	-1.0
SLC25A26	2	18.2	7.0	11.2	-4.3
UBA3	1	56.1	50.7	5.4	45.4
ARL6IP5	3	18.9	11.0	7.9	3.1
TMF1	1	37.1	32.5	4.6	27.9
LRIG1	0	6.5	2.7	3.8	-1.1
RP11-977C	1	48.5	41.5	7.0	34.5
LIMD1	0	12.6	6.2	6.4	-0.1
NFKBIZ	0	7.3	2.8	4.5	-1.6
NXPE3	0	6.7	3.1	3.7	-0.6
PHLDB2	1	22.2	12.3	9.9	2.4
ABHD10	1	12.5	8.0	4.5	3.4
RABL3	1	11.5	8.7	2.8	5.8
ATG3	1	13.3	8.4	5.0	3.4
SRPRB	4	12.4	3.6	8.9	-5.3
EIF2A	1	123.7	113.0	10.7	102.3
OSBPL11	1	10.0	6.9	3.1	3.7
NCEH1	3	9.7	3.0	6.7	-3.8
LPP	0	11.7	3.0	8.7	-5.7
TMEM44	0	8.0	3.7	4.3	-0.5
RUBCN	2	17.9	6.8	11.1	-4.2
AMT	4	13.2	2.9	10.4	-7.5
TCTA	2	18.9	7.5	11.4	-3.8
NICN1	2	18.7	7.2	11.5	-4.4
VPRBP	0	10.5	5.1	5.4	-0.3
MANF	6	13.7	2.6	11.1	-8.5
EIF2B5	0	10.0	3.9	6.1	-2.2
ECE2	2	27.4	9.5	17.8	-8.3
DGKQ	2	26.6	11.3	15.3	-4.0
FIP1L1	1	38.8	32.1	6.8	25.3
LYAR	1	27.5	17.2	10.3	6.9
ATP10D	1	10.0	6.8	3.3	3.5
OCIAD2	3	15.1	8.1	7.0	1.1
PLAC8	0	5.7	2.3	3.4	-1.1
ENOPH1	1	8.6	4.9	3.7	1.3
CAMK2D	1	11.6	6.7	4.9	1.7
CISD2	1	26.2	22.5	3.7	18.7
TIFA	0	5.3	2.1	3.2	-1.1
CCNA2	5	24.9	7.3	17.5	-10.2
METTL14	1	63.1	56.5	6.6	50.0
USP53	1	12.3	9.6	2.7	6.9
SETD7	1	9.1	4.9	4.2	0.7

NAF1	0	10.2	4.1	6.1	-2.0
RPS3A	0	14.0	5.6	8.4	-2.8
PDGFC	0	11.2	2.6	8.6	-6.1
CBR4	1	9.4	5.0	4.3	0.7
NDUFS6	0	9.2	3.1	6.1	-3.0
6-Mar	1	18.4	14.8	3.6	11.2
SRD5A1	2	11.6	3.6	8.0	-4.4
RPL37	6	14.2	5.2	9.0	-3.8
SKP2	0	15.5	5.1	10.3	-5.2
OSMR	3	15.5	8.8	6.7	2.2
PLK2	3	19.1	11.3	7.8	3.5
PIK3R1	1	9.2	6.1	3.1	3.0
LHFPL2	0	5.6	2.4	3.1	-0.7
SSBP2	3	9.7	2.8	6.9	-4.2
RASA1	1	19.8	11.1	8.7	2.4
PPIP5K2	1	66.9	60.0	6.9	53.1
PAM	3	10.8	3.2	7.6	-4.4
BDP1	1	41.9	35.8	6.1	29.7
SLC30A5	1	65.2	54.0	11.2	42.8
BTF3	1	24.7	19.0	5.7	13.3
FBXL17	0	6.6	2.9	3.7	-0.8
TNFAIP8	3	10.6	3.8	6.8	-3.0
FEM1C	1	12.1	8.6	3.5	5.1
COMMD10	1	10.2	5.9	4.3	1.6
ATG12	1	36.0	29.4	6.5	22.9
YIPF5	1	15.2	10.6	4.6	6.1
ARHGAP26	0	5.6	2.1	3.5	-1.4
DDX46	1	126.2	116.5	9.7	106.9
RNF145	1	17.9	13.5	4.4	9.1
FBXO38	1	61.7	57.4	4.3	53.2
TNIP1	3	19.7	11.5	8.2	3.2
G3BP1	1	54.6	47.2	7.4	39.7
NHP2	0	13.6	5.9	7.7	-1.8
RMND5B	2	19.1	7.5	11.6	-4.1
BOD1	0	10.5	3.2	7.3	-4.2
TBC1D7	0	8.6	3.6	5.0	-1.4
FARS2	2	49.8	27.0	22.8	4.2
CDKAL1	8	13.7	1.9	11.8	-9.9
ZMAT2	1	14.6	9.5	5.1	4.4
DCDC2	0	6.8	2.5	4.3	-1.8
TRIM41	2	16.6	6.3	10.3	-4.0
HIGD2A	0	10.4	4.6	5.9	-1.3
FAM193B	0	7.3	2.7	4.7	-2.0
TNFRSF21	3	14.9	5.9	9.1	-3.2
RNF44	0	11.9	4.0	7.9	-3.9
MUT	1	10.2	7.2	3.0	4.2
ABT1	11	31.3	2.6	28.7	-26.1
PPP1R18	3	31.2	21.9	9.3	12.5
PRIM2	5	11.3	3.1	8.3	-5.2
RPL7L1	0	8.7	3.2	5.5	-2.4
NFKBIE	0	16.7	6.1	10.6	-4.4
TPBG	3	7.7	2.5	5.3	-2.8
PHIP	1	36.1	31.2	4.8	26.4
MMS22L	7	30.5	5.0	25.5	-20.4

PNRC1	0	6.4	2.4	3.9	-1.5
PM20D2	7	14.6	2.0	12.5	-10.5
RARS2	1	10.4	7.0	3.4	3.6
RNF217	1	10.1	6.2	3.9	2.3
ARHGAP18	1	11.4	6.7	4.7	2.0
ABRACL	0	5.7	1.7	3.9	-2.2
SLC18B1	4	16.6	7.6	9.0	-1.4
MTFR2	7	12.0	2.2	9.8	-7.6
AIG1	4	9.5	3.5	6.1	-2.6
DYNLT1	0	6.3	2.5	3.8	-1.2
TIAM2	0	6.3	3.1	3.2	0.0
TMEM181	1	14.6	11.5	3.1	8.5
WTAP	1	16.7	13.6	3.1	10.5
ZMYM4	1	40.2	36.8	3.4	33.4
ARMT1	1	47.5	40.1	7.4	32.7
SLC22A3	0	7.3	3.0	4.3	-1.3
GNA12	3	16.6	6.9	9.7	-2.9
C7orf50	2	16.5	5.0	11.4	-6.4
CCZ1B	0	9.2	3.6	5.6	-2.0
C7orf26	2	14.9	5.3	9.6	-4.3
CREB5	3	9.9	3.5	6.4	-2.9
EGFR	0	7.6	2.9	4.7	-1.8
CDCA5	5	28.3	15.8	12.5	3.2
IGFBP3	3	11.3	4.3	6.9	-2.6
PURB	0	5.6	2.0	3.6	-1.6
IGFBP1	0	7.3	2.9	4.4	-1.5
MDH2	0	11.6	4.2	7.4	-3.2
GBAS	1	42.1	34.9	7.2	27.7
CCT6A	1	106.3	95.8	10.5	85.4
PSPH	4	10.4	2.9	7.4	-4.5
ATXN7L1	2	13.4	5.5	7.8	-2.3
TMEM168	1	12.0	9.6	2.4	7.1
C7orf43	2	19.3	8.6	10.7	-2.1
SLC12A9	2	21.4	7.2	14.2	-7.0
GIGYF1	2	19.0	7.2	11.8	-4.6
TRIM4	0	6.0	2.9	3.1	-0.2
MEPCE	2	16.7	6.8	9.8	-3.0
TMEM209	1	14.1	9.9	4.1	5.8
TMEM140	4	12.8	3.1	9.7	-6.6
TLK2	1	63.1	55.0	8.0	47.0
NOM1	1	10.0	5.2	4.8	0.4
NCAPG2	7	26.8	6.5	20.3	-13.8
LUC7L2	1	12.7	9.6	3.1	6.5
SH3KBP1	3	10.9	4.6	6.3	-1.7
CASK	1	9.9	5.9	4.0	1.8
KDM6A	1	13.8	9.2	4.6	4.7
MSN	3	13.7	7.4	6.3	1.1
HDAC8	0	6.4	2.7	3.7	-1.1
SLC16A2	3	10.7	4.7	5.9	-1.2
KRBOX4	0	7.6	3.8	3.8	0.1
NDUFB11	2	11.7	3.6	8.1	-4.5
ZMYM3	0	10.4	4.2	6.1	-1.9
TAF1	1	29.0	24.8	4.2	20.6
NONO	6	20.0	4.3	15.7	-11.3

EBP	5	15.5	5.3	10.2	-4.9
OGT	1	23.5	20.9	2.6	18.2
SNX12	0	8.9	4.4	4.5	-0.1
PRPS1	0	9.2	3.7	5.5	-1.7
RBMX	1	44.0	37.0	7.0	29.9
MCPH1	0	7.8	3.0	4.8	-1.7
MFHAS1	0	6.9	3.4	3.5	-0.2
FBXO25	6	7.0	1.1	5.9	-4.7
NSDHL	0	11.2	4.6	6.6	-2.0
CETN2	0	6.9	2.5	4.5	-2.0
RPL10	0	6.3	3.3	3.0	0.3
ATP6V1B2	0	7.3	3.7	3.6	0.1
CCDC25	1	14.7	10.1	4.6	5.6
HMBOX1	0	7.9	3.3	4.6	-1.2
BIN3	0	9.4	4.6	4.8	-0.2
SLC25A37	3	8.7	2.5	6.1	-3.6
CHMP7	0	8.4	4.2	4.2	0.0
DOCK5	0	6.2	2.6	3.6	-1.0
PROSC	0	8.9	2.8	6.1	-3.4
ERLIN2	0	7.5	3.8	3.6	0.2
TACC1	1	7.7	4.2	3.5	0.8
GOLGA7	1	18.6	13.6	5.0	8.6
PLPP5	0	6.1	2.4	3.7	-1.2
GINS4	5	10.3	2.4	7.9	-5.6
WHSC1L1	1	15.5	12.2	3.3	8.9
MRPS28	0	9.0	2.9	6.1	-3.2
LACTB2	1	9.0	5.1	3.9	1.3
TERF1	1	19.1	16.1	3.0	13.1
RPL7	1	20.4	18.1	2.3	15.7
MTDH	1	53.3	49.0	4.4	44.6
LRP12	1	14.6	8.0	6.7	1.3
EBAG9	1	9.0	5.5	3.5	2.1
POLR2K	1	12.7	9.7	3.0	6.7
MAL2	4	12.1	5.0	7.1	-2.1
EIF3H	1	12.8	10.1	2.7	7.4
UTP23	1	13.5	9.8	3.7	6.1
NDUFB9	13	16.9	1.8	15.1	-13.3
TATDN1	1	26.5	22.7	3.8	18.9
ZNF7	13	9.9	2.7	7.2	-4.5
SLC39A4	0	8.3	3.3	5.0	-1.7
NAPRT	0	7.2	2.8	4.4	-1.6
VLDLR	0	5.8	1.9	3.9	-2.1
AK3	1	7.2	4.3	2.8	1.5
UHRF2	1	14.4	11.4	3.0	8.4
NFIB	3	8.3	2.2	6.1	-4.0
PLIN2	0	8.8	4.1	4.7	-0.6
HAUS6	1	23.7	19.1	4.6	14.5
CDKN2B	0	7.4	3.4	4.0	-0.6
CDKN2A	9	8.0	0.9	7.1	-6.2
ZCCHC7	1	8.5	4.6	3.9	0.7
SIGMAR1	2	15.1	4.6	10.5	-5.9
CBWD5	0	8.5	3.6	5.0	-1.4
CEP78	5	13.5	2.3	11.2	-8.8
AUH	0	11.2	4.3	6.9	-2.6

MFSD14B	0	8.6	2.2	6.4	-4.2
C9orf3	3	6.5	2.1	4.3	-2.2
INIP	7	9.8	0.8	9.0	-8.2
UGCG	3	20.8	7.2	13.6	-6.3
STOM	0	6.5	2.9	3.7	-0.8
GSN	0	8.6	3.9	4.8	-0.9
MRRF	10	12.1	2.4	9.7	-7.3
ALAD	0	12.9	4.7	8.2	-3.5
POLE3	10	11.6	2.9	8.7	-5.8
SURF4	10	10.9	1.5	9.4	-8.0
SURF1	2	17.4	6.6	10.8	-4.2
SURF2	10	20.7	3.5	17.2	-13.7
SURF6	10	27.2	5.6	21.7	-16.1
MED22	10	24.9	4.8	20.1	-15.3
REXO4	10	26.6	7.9	18.6	-10.7
RPL7A	10	17.4	6.1	11.4	-5.3
GTF3C5	10	20.8	6.8	14.0	-7.2
ASB6	10	33.5	7.3	26.2	-19.0
PTGES2	10	12.9	2.0	10.9	-8.9
NTMT1	10	15.6	3.6	12.0	-8.4
CIZ1	0	9.5	3.2	6.3	-3.1
SLC25A25	2	28.5	12.6	15.9	-3.2
SH3GLB2	10	20.5	3.9	16.6	-12.7
FAM73B	2	37.8	18.6	19.2	-0.7
LRSAM1	10	19.4	1.8	17.6	-15.8
GPR107	0	6.8	3.2	3.6	-0.3
C9orf142	2	22.8	9.0	13.8	-4.8
INPP5E	2	35.6	16.0	19.6	-3.6
SEC16A	10	18.7	4.0	14.7	-10.7
DPH7	10	16.2	3.0	13.2	-10.3
NACC2	2	18.8	5.0	13.8	-8.8
PROSER2	2	16.3	6.1	10.2	-4.2
USP6NL	0	8.0	3.0	5.0	-2.0
COMMD3	6	14.3	3.3	11.0	-7.8
MSRB2	0	7.9	3.5	4.4	-0.9
PDSS1	0	13.1	3.9	9.2	-5.3
FAM171A1	0	7.0	3.4	3.6	-0.2
FAM188A	1	8.9	5.1	3.8	1.2
RSU1	3	12.9	5.0	7.9	-2.9
PARD3	0	6.4	1.8	4.7	-2.9
ZEB1	1	16.1	11.3	4.8	6.5
NRBF2	1	8.5	5.5	3.0	2.4
POLR3A	8	14.0	2.1	11.9	-9.8
HERC4	1	18.2	11.3	6.9	4.4
C10orf11	0	10.4	4.6	5.8	-1.3
CAMK2G	3	15.2	4.7	10.4	-5.7
GLUD1	0	13.8	4.3	9.5	-5.3
ANKRD1	3	9.0	3.5	5.6	-2.1
RPP30	5	17.6	3.0	14.6	-11.6
FRA10AC1	1	26.3	19.1	7.2	11.9
ADD3	1	25.8	22.5	3.3	19.1
HABP2	4	13.3	4.1	9.2	-5.1
DNAJB12	0	14.9	5.5	9.4	-3.9
EIF4EBP2	0	10.2	4.7	5.5	-0.8

TCF7L2	0	7.0	3.5	3.5	0.0
MKI67	7	25.8	6.7	19.1	-12.4
FUOM	2	22.7	10.6	12.1	-1.6
LRRC27	0	8.6	4.6	4.0	0.6
MTG1	0	13.4	6.5	6.9	-0.3
GSTO1	0	8.2	3.5	4.7	-1.2
PPRC1	0	14.2	7.1	7.1	0.0
PDCD11	0	12.5	5.9	6.5	-0.6
RGS10	0	8.0	3.4	4.6	-1.1
BTBD10	1	15.7	7.6	8.1	-0.6
ADM	3	8.2	2.7	5.5	-2.9
LIN7C	1	22.5	18.0	4.4	13.6
IMMP1L	6	7.5	1.5	6.0	-4.5
PGAP2	2	15.1	5.0	10.1	-5.1
TUT1	2	22.7	10.6	12.1	-1.5
HSD17B12	1	21.0	17.5	3.5	14.0
APIP	0	7.0	1.9	5.1	-3.2
DGKZ	2	13.0	3.9	9.1	-5.2
EIF3M	1	59.7	54.5	5.2	49.3
TNKS1BP1	3	18.4	9.2	9.1	0.1
SERPING1	0	7.3	3.4	3.9	-0.6
SSRP1	5	16.2	4.6	11.7	-7.1
SLC43A1	4	25.1	12.2	12.8	-0.6
PTPRJ	3	12.4	5.3	7.1	-1.9
C11orf49	0	12.2	5.0	7.2	-2.3
ARFGAP2	0	7.0	3.1	3.9	-0.8
CELF1	1	21.1	13.2	7.9	5.3
C11orf73	0	11.5	4.4	7.2	-2.8
ENDOD1	0	8.1	3.2	4.9	-1.8
CCDC82	1	37.9	32.9	5.0	27.9
SERPINH1	0	9.1	4.8	4.3	0.5
CAPN5	2	26.5	12.7	13.8	-1.1
INTS4	0	7.6	3.1	4.5	-1.4
PAK1	4	8.7	2.7	6.0	-3.4
RPS3	0	13.9	6.1	7.8	-1.7
TTC12	0	6.7	3.2	3.5	-0.4
ATM	1	49.0	45.0	4.0	40.9
AASDHPPT	1	48.5	40.7	7.7	33.0
LAMTOR1	0	9.0	4.2	4.8	-0.6
HYOU1	0	11.3	5.4	5.9	-0.5
CSRP2BP	0	6.4	3.0	3.4	-0.4
TKFC	0	16.8	5.7	11.1	-5.3
MTA2	2	17.5	6.1	11.4	-5.3
TMEM138	7	9.7	1.0	8.7	-7.7
FADS1	1	8.5	5.8	2.7	3.1
EML3	0	8.8	4.1	4.7	-0.6
INCENP	5	18.0	7.8	10.2	-2.4
CPSF7	0	11.4	5.4	6.1	-0.7
B3GAT3	2	17.7	7.4	10.3	-2.8
EI24	0	12.9	5.9	7.0	-1.1
CHEK1	7	20.7	3.6	17.1	-13.4
SIDT2	0	9.9	5.1	4.7	0.4
TAGLN	1	12.1	6.7	5.4	1.3
COMMD7	0	9.3	3.3	6.0	-2.7

DSN1	7	24.6	4.4	20.1	-15.7
SOGA1	0	16.3	6.8	9.4	-2.6
LSM14B	0	12.0	5.5	6.5	-1.0
YTHDF1	0	8.9	3.8	5.1	-1.3
CABLES2	0	10.4	4.2	6.3	-2.1
ORAOV1	1	12.2	6.6	5.6	1.0
TRPT1	2	18.8	8.6	10.2	-1.5
NUDT22	2	26.8	13.1	13.7	-0.7
PLCB3	2	18.5	6.6	11.8	-5.2
MRPL49	2	19.6	8.3	11.3	-3.0
CDC42EP2	0	8.0	3.2	4.8	-1.7
FAU	0	13.4	6.2	7.1	-0.9
TM7SF2	4	18.5	5.5	13.0	-7.5
VPS51	0	15.0	6.7	8.3	-1.6
PPP4C	11	19.8	4.7	15.1	-10.4
ALDOA	11	9.1	0.8	8.2	-7.4
HIRIP3	11	24.1	3.7	20.4	-16.7
TAOK2	11	24.6	5.9	18.7	-12.8
TMEM219	11	24.9	4.5	20.4	-15.9
HMGA2	1	13.5	6.4	7.0	-0.6
ITGB1	1	38.0	32.7	5.3	27.5
CWC15	1	34.9	26.9	8.0	18.9
ARID5B	1	12.9	6.8	6.1	0.7
DCUN1D2	0	7.7	3.8	3.9	-0.1
TMCO3	0	7.3	2.9	4.5	-1.6
TMEM218	0	13.3	5.7	7.6	-1.9
TIRAP	2	23.6	10.7	12.9	-2.2
N6AMT2	0	11.2	4.3	6.9	-2.7
LATS2	0	6.8	3.0	3.8	-0.8
SAP18	6	29.1	11.3	17.8	-6.4
KIAA1328	1	9.2	6.0	3.2	2.9
CTAGE5	1	19.2	10.3	8.9	1.4
HNMT	4	9.5	3.1	6.3	-3.2
LYPD1	3	13.4	6.6	6.7	-0.1
PDCD4	1	18.8	16.0	2.8	13.2
PRSS23	3	11.5	5.7	5.7	0.0
MTMR12	0	7.5	3.5	4.0	-0.6
CCT5	7	26.1	3.2	22.9	-19.6
FAM173B	0	5.4	1.9	3.5	-1.6
DOCK1	0	8.5	2.8	5.7	-2.8
DLAT	1	18.9	10.3	8.6	1.7
C11orf57	1	14.3	9.1	5.2	3.9
TIMM8B	2	20.2	7.4	12.8	-5.5
IL18	0	6.2	2.1	4.1	-1.9
PTS	1	17.6	12.8	4.8	8.1
PIP4K2A	0	11.8	2.3	9.6	-7.3
CRIM1	3	19.9	8.7	11.2	-2.6
SEC24D	1	9.8	5.8	4.0	1.7
DHX37	2	24.8	8.8	16.0	-7.2
UBC	6	8.9	1.8	7.1	-5.3
SLC7A11	1	10.0	6.0	3.9	2.1
NOCT	0	8.5	3.6	4.9	-1.3
DCP1B	0	8.7	4.8	3.9	0.9
NGLY1	1	15.3	10.1	5.2	4.9

OXSM	0	8.9	3.4	5.5	-2.1
UEVLD	1	18.8	14.7	4.1	10.6
C12orf45	0	19.3	7.0	12.2	-5.2
TMEM263	1	42.3	38.9	3.4	35.4
UBE3B	0	15.3	6.0	9.3	-3.3
PLBD2	0	13.0	7.0	6.0	1.1
DLG5	0	6.6	2.9	3.6	-0.7
GXYLT1	1	21.6	16.4	5.3	11.1
TWF1	1	78.5	72.8	5.7	67.1
EIF4E	1	86.3	81.9	4.4	77.5
MAGI1	4	11.2	3.0	8.2	-5.1
TEX30	1	10.6	6.1	4.5	1.6
CSNK1G3	1	42.9	39.2	3.7	35.5
SRFBP1	1	28.6	21.4	7.2	14.2
FAM177A1	1	8.2	4.9	3.3	1.5
MBIP	1	25.3	20.4	4.9	15.5
EXT2	0	10.7	5.2	5.6	-0.4
TMEM18	0	9.6	4.0	5.6	-1.6
NDUFC2	0	11.3	4.0	7.2	-3.2
ME3	0	17.2	5.8	11.4	-5.6
NUBPL	0	6.9	2.4	4.5	-2.1
NEK7	1	25.7	19.7	6.0	13.7
VIPAS39	0	10.3	4.9	5.4	-0.5
UPF2	1	34.3	29.3	5.0	24.3
CDC123	1	60.9	50.8	10.1	40.7
SCLT1	7	22.7	3.8	18.9	-15.0
FRMD4A	3	11.0	4.3	6.7	-2.4
EPS8	1	13.4	8.2	5.2	3.0
ACAD8	0	14.6	6.6	8.1	-1.5
THYN1	0	10.5	4.8	5.7	-1.0
VPS26B	2	19.7	7.3	12.4	-5.0
NCAPD3	7	13.6	2.2	11.4	-9.2
VTI1A	0	8.8	3.8	5.0	-1.2
QDPR	0	6.7	2.9	3.8	-0.9
FAM160B1	1	22.3	15.0	7.2	7.8
QTRTD1	1	14.1	9.1	4.9	4.2
AKR1C2	4	16.8	7.5	9.3	-1.8
ITIH2	4	23.7	15.2	8.5	6.7
KIN	1	24.6	18.2	6.4	11.8
PIGF	1	30.0	25.1	4.8	20.3
INPP1	4	8.3	1.9	6.4	-4.5
MFSD6	0	5.3	2.1	3.2	-1.2
ASAP2	3	11.4	3.9	7.5	-3.5
ADAM17	1	9.5	6.2	3.3	3.0
WWC2	1	15.0	10.7	4.4	6.3
CENPU	7	26.2	4.7	21.5	-16.8
ACSL1	0	5.4	2.2	3.2	-1.0
SLC25A4	0	8.0	2.9	5.0	-2.1
AMN1	0	7.3	3.1	4.3	-1.2
BICD1	1	7.3	3.8	3.6	0.2
SAV1	1	12.7	8.4	4.3	4.1
NBAS	0	8.5	3.2	5.3	-2.1
GUF1	1	11.0	7.3	3.7	3.6
SACS	1	13.9	8.0	5.9	2.1

CENPJ	1	29.5	22.5	7.0	15.4
FBXO4	0	6.5	2.8	3.7	-1.0
C5orf28	1	16.2	13.1	3.1	10.0
PARP8	0	7.1	3.2	3.9	-0.6
CACUL1	1	10.9	7.3	3.5	3.8
DST	1	38.8	34.6	4.2	30.5
TIAL1	1	52.1	48.5	3.6	44.9
BAG3	3	12.8	4.1	8.7	-4.5
SCHIP1	1	17.7	11.9	5.9	6.0
AP1S3	0	7.7	2.5	5.2	-2.7
RABGAP1L	1	10.2	7.7	2.5	5.2
TMEM56	1	15.3	10.9	4.4	6.4
MZT2B	0	10.7	3.7	7.0	-3.3
FAM168B	0	9.3	4.8	4.5	0.3
PTPN14	3	19.8	10.1	9.7	0.5
MGAT5	0	6.9	3.4	3.5	-0.1
GPATCH11	1	20.9	15.4	5.5	9.9
HSPB8	0	9.7	4.2	5.5	-1.3
GEMIN6	0	15.2	5.0	10.2	-5.2
RNF219	1	16.6	12.3	4.3	8.0
ARL14EP	1	28.2	24.3	3.9	20.5
EPG5	3	9.8	4.6	5.2	-0.6
ATP5A1	0	7.1	3.3	3.8	-0.4
HAUS1	1	36.5	28.0	8.6	19.4
C18orf25	1	13.0	8.3	4.7	3.6
SPC25	7	30.9	7.0	23.9	-16.9
PDK1	1	6.2	3.1	3.0	0.1
TGOLN2	0	10.5	5.3	5.2	0.0
UHMK1	1	19.4	13.4	5.9	7.5
ATG10	0	8.8	3.3	5.5	-2.2
POC5	1	23.5	18.0	5.6	12.4
SPOCK1	3	14.6	7.3	7.3	-0.1
TADA1	9	7.1	1.3	5.8	-4.6
HOMER1	1	16.5	10.9	5.6	5.3
XRCC4	1	10.6	6.6	4.0	2.5
SUV39H2	7	38.5	5.8	32.7	-26.9
DCLRE1C	1	12.9	8.6	4.3	4.3
RPP38	0	10.9	4.2	6.7	-2.5
NMT2	3	14.1	4.5	9.6	-5.1
USP12	1	9.7	6.4	3.3	3.2
CCDC50	0	6.0	2.6	3.4	-0.8
ZFP36L2	4	14.7	5.6	9.1	-3.5
PAN3	1	12.1	8.9	3.3	5.6
PFKM	1	7.9	4.5	3.4	1.1
TMEM123	1	80.7	76.5	4.2	72.3
MBNL1	1	31.4	27.8	3.6	24.2
NADK2	1	17.1	10.9	6.2	4.7
GPD1L	0	7.3	2.4	5.0	-2.6
GJA1	3	9.2	3.3	6.0	-2.7
SLC30A6	1	19.5	16.8	2.7	14.0
PELO	0	5.6	2.7	2.9	-0.2
SAR1B	1	29.8	25.6	4.2	21.4
FARP1	0	8.8	3.5	5.3	-1.8
PANK1	1	10.9	5.6	5.2	0.4

HNRNPDL	1	97.5	92.8	4.7	88.1
HHEX	4	16.2	7.5	8.7	-1.2
UTRN	1	22.7	19.0	3.8	15.2
PTPRK	0	12.0	3.5	8.5	-5.0
GGPS1	1	44.5	39.3	5.1	34.2
RAD17	1	32.7	27.9	4.8	23.2
MED21	1	35.3	29.4	5.9	23.5
PLOD2	1	24.5	19.9	4.6	15.2
ADGRA3	1	12.6	8.0	4.6	3.4
SREK1IP1	1	22.0	16.0	6.1	9.9
CWC27	1	35.6	28.5	7.1	21.3
MR1	0	13.4	5.7	7.7	-2.0
SRP19	1	70.3	63.6	6.7	56.9
CENPH	5	17.1	4.8	12.4	-7.6
CDYL	0	7.4	3.1	4.3	-1.1
CARHSP1	5	9.1	1.7	7.4	-5.7
TXNDC11	12	12.2	1.4	10.8	-9.3
DAB2	3	7.0	2.9	4.1	-1.3
BCL2L11	0	6.2	2.9	3.3	-0.4
ANAPC1	0	11.1	3.6	7.5	-3.9
CAST	1	12.4	8.3	4.1	4.2
SCOC	1	57.1	51.4	5.7	45.8
CETN3	1	33.6	23.4	10.2	13.2
SMARCA5	1	82.5	68.6	13.9	54.8
RASSF3	0	7.4	2.8	4.6	-1.8
HNRNPU	1	76.5	70.9	5.6	65.2
RANBP2	1	45.3	41.4	3.9	37.4
AHCTF1	1	46.6	39.8	6.8	33.0
TMEM87B	1	10.1	6.2	3.9	2.3
RBMS1	1	17.9	14.4	3.5	10.9
FAM49B	1	13.7	8.5	5.2	3.2
ASAP1	1	19.9	14.4	5.5	8.9
TRAPPC8	1	37.4	32.7	4.7	28.0
INO80C	0	8.3	3.2	5.1	-1.9
LPCAT1	0	8.9	3.3	5.6	-2.4
NMRAL1	0	10.3	4.3	6.0	-1.7
UBALD1	12	12.5	1.3	11.1	-9.8
TMEM251	0	7.8	2.8	5.0	-2.2
ING1	0	8.2	3.5	4.7	-1.1
CMTM7	0	5.8	2.5	3.3	-0.8
UBP1	1	36.7	32.7	4.0	28.7
RMND5A	1	21.5	14.7	6.8	7.9
RPIA	0	12.8	4.7	8.1	-3.4
LURAP1L	0	7.8	3.9	3.8	0.1
CNKSR3	0	7.0	2.2	4.8	-2.7
GTF2E1	1	7.6	4.3	3.3	0.9
CFDP1	0	7.7	3.2	4.5	-1.3
ZDHHC7	6	7.9	1.4	6.5	-5.1
CMIP	0	5.2	2.3	2.9	-0.6
TRIP12	1	84.8	79.4	5.5	73.9
CEBPG	1	14.4	8.4	6.1	2.3
KCTD15	0	8.2	3.1	5.1	-2.0
DDAH1	0	5.8	1.8	4.0	-2.2
SREK1	1	84.7	80.4	4.2	76.2

CHD1	1	58.3	51.9	6.4	45.4
HS2ST1	1	25.2	21.3	3.9	17.4
MSI2	0	10.8	3.9	6.9	-3.0
ZUFSP	1	18.3	14.1	4.3	9.8
NUS1	1	17.3	14.3	3.0	11.3
PPP2R5E	1	17.3	12.5	4.8	7.8
CABYR	0	6.5	2.2	4.3	-2.1
IMPACT	1	9.4	6.4	3.0	3.4
ANKRD29	0	7.9	3.4	4.5	-1.1
ANKH	0	7.0	3.3	3.7	-0.3
OTULIN	0	6.8	3.1	3.7	-0.6
UBASH3B	3	13.2	5.8	7.5	-1.7
TBRG1	0	7.1	3.6	3.5	0.1
NRGN	0	14.1	5.1	9.0	-3.8
TOMM70A	1	20.9	17.2	3.7	13.5
PITPNC1	0	8.6	3.9	4.8	-0.9
CC2D1B	0	6.7	2.4	4.3	-2.0
PRKCA	3	10.2	3.9	6.3	-2.4
UCHL1	0	6.7	2.5	4.3	-1.8
MIA3	1	48.9	45.7	3.2	42.5
TNIK	0	5.3	2.4	3.0	-0.6
NEIL2	2	16.2	6.6	9.6	-3.0
TRIM11	2	35.1	16.8	18.3	-1.5
ENAH	1	20.1	16.2	3.9	12.3
SH3RF1	3	9.6	2.9	6.7	-3.9
BUB3	1	14.3	7.9	6.4	1.5
FAM69A	1	12.9	8.8	4.1	4.7
ATP5G3	6	13.8	3.6	10.2	-6.6
SORBS2	0	6.4	2.4	4.0	-1.6
TCEB1	1	40.7	36.3	4.4	31.9
CXADR	0	9.1	2.4	6.7	-4.2
BTG3	0	10.1	2.9	7.2	-4.4
RABGEF1	1	7.6	4.2	3.5	0.7
MRPL39	7	15.1	1.8	13.2	-11.4
ATP5J	0	7.8	3.0	4.8	-1.8
GABPA	1	18.7	15.9	2.8	13.1
TSEN2	0	10.2	4.0	6.2	-2.1
XPC	0	7.5	3.6	3.8	-0.2
CCDC174	0	6.1	2.7	3.5	-0.8
FLCN	0	6.9	3.3	3.6	-0.3
DPH3	1	15.8	9.4	6.4	3.0
OXNAD1	0	12.8	5.6	7.2	-1.7
CXXC1	0	11.5	4.6	6.8	-2.2
SKA1	5	10.5	3.1	7.5	-4.4
PPP4R1	1	11.8	7.6	4.2	3.4
PIEZO2	0	7.2	3.2	4.0	-0.7
MPPE1	0	6.3	3.0	3.3	-0.2
EME1	5	12.4	3.5	8.9	-5.4
ANKRD40	7	9.7	0.8	8.9	-8.1
VOPP1	0	14.8	5.5	9.4	-3.9
APOOL	0	8.2	2.9	5.3	-2.4
FBXL18	11	29.9	2.0	27.9	-26.0
KLF10	3	6.9	2.1	4.9	-2.8
AZIN1	1	27.1	21.7	5.4	16.4

ATP6V1C1	1	34.3	31.0	3.3	27.8
TMEM55A	0	8.3	3.6	4.7	-1.2
OTUD6B	1	20.2	16.3	3.9	12.4
CDK19	1	10.6	6.3	4.3	2.0
GTF3C6	7	9.0	1.0	8.1	-7.1
AGPAT5	1	15.6	9.4	6.2	3.3
MMS19	0	13.3	6.7	6.6	0.1
PI4K2A	3	25.4	8.9	16.6	-7.7
ZFYVE27	2	18.7	7.7	11.0	-3.3
TRMT44	8	21.7	4.1	17.6	-13.5
SLC25A28	0	9.4	4.4	4.9	-0.5
HSPA13	1	24.5	20.4	4.1	16.3
USP25	1	23.2	18.3	4.8	13.5
GRAMD3	3	9.4	3.4	6.0	-2.6
ZCCHC10	0	11.0	3.2	7.8	-4.6
C16orf87	1	17.5	11.3	6.2	5.1
MOV10	0	5.6	2.3	3.3	-1.1
RHOC	3	16.2	9.3	6.8	2.5
DBI	0	9.1	2.3	6.8	-4.5
SLC16A1	1	29.1	25.0	4.1	20.9
HEATR3	0	16.8	7.0	9.8	-2.9
NIFK	1	91.0	81.1	9.9	71.3
OXA1L	0	9.3	3.3	5.9	-2.6
SLC7A7	0	6.1	2.0	4.1	-2.1
LARP1	0	12.5	5.3	7.2	-1.9
CNOT8	1	13.0	9.1	3.8	5.3
SETD9	0	6.2	1.9	4.3	-2.5
MIER3	1	32.9	28.5	4.5	24.0
NUP205	7	24.8	3.1	21.6	-18.5
C9orf85	10	8.5	0.9	7.5	-6.6
PIK3AP1	4	11.4	4.4	7.0	-2.6
RBM45	1	30.9	22.9	8.0	15.0
PDIA4	0	7.1	3.5	3.6	-0.2
TMEM237	7	15.2	1.5	13.7	-12.2
FZD7	0	6.6	2.7	3.9	-1.3
RNF20	1	20.0	16.6	3.4	13.2
MED7	0	12.4	3.7	8.7	-4.9
RRAGA	0	8.9	4.3	4.6	-0.3
RMND1	1	12.2	8.1	4.1	4.0
VBP1	1	62.8	56.5	6.3	50.1
VPS37A	0	5.9	1.9	3.9	-2.0
CARNMT1	1	11.6	8.2	3.4	4.8
MCU	7	10.0	0.7	9.3	-8.6
ELMSAN1	0	6.6	3.2	3.4	-0.1
FAM161B	0	9.0	3.9	5.1	-1.2
GNAQ	1	7.9	5.2	2.7	2.4
ADK	0	11.3	3.3	8.0	-4.7
DCK	1	21.2	15.2	6.1	9.1
DPY19L4	1	45.4	38.8	6.7	32.1
NDUFAF6	0	7.4	2.0	5.3	-3.3
DRAM2	1	19.1	15.9	3.2	12.8
N6AMT1	2	16.5	5.7	10.8	-5.2
RWDD2B	0	7.0	3.0	4.0	-1.1
USP16	1	51.6	45.6	6.1	39.5

CCT8	1	71.6	65.7	5.9	59.7
BACH1	1	16.7	14.3	2.4	11.9
TSPAN7	0	8.6	3.1	5.5	-2.4
SCAF4	0	10.5	4.0	6.5	-2.5
RPGR	1	22.9	17.6	5.3	12.3
PCGF6	1	19.9	12.6	7.4	5.2
ANKRD9	2	45.0	24.6	20.4	4.1
SFR1	0	9.5	3.0	6.5	-3.5
SFXN2	0	15.4	6.1	9.3	-3.2
C14orf2	1	22.9	16.7	6.2	10.5
SH3RF2	3	8.0	2.4	5.6	-3.2
UQCRB	1	44.1	40.0	4.1	35.9
MTERF3	1	12.4	7.9	4.5	3.4
PTDSS1	13	10.4	1.5	8.9	-7.4
RPL30	13	9.4	0.8	8.6	-7.8
SUPV3L1	6	14.8	2.4	12.4	-10.0
FAM122B	0	9.9	2.3	7.6	-5.3
EEF1A1	1	13.5	8.2	5.2	3.0
HKDC1	0	12.7	5.7	7.0	-1.4
HK1	0	8.9	2.7	6.2	-3.4
TYSND1	2	27.1	13.7	13.4	0.3
PHF6	1	36.6	31.9	4.7	27.2
CD109	1	12.6	6.6	6.0	0.7
UBE2L6	3	7.5	2.7	4.8	-2.1
ZDHHC5	0	7.8	3.5	4.3	-0.8
MED19	2	16.3	6.1	10.2	-4.1
ZFAND3	0	13.3	6.8	6.5	0.2
NPTN	1	14.8	11.2	3.6	7.6
RAB11FIP1	0	7.8	2.8	5.0	-2.2
UTP14A	0	8.4	3.5	5.0	-1.5
AIFM1	0	11.8	3.8	8.0	-4.2
MAPK13	0	7.5	3.1	4.5	-1.4
TBC1D31	13	9.6	0.9	8.7	-7.8
WDYHV1	0	6.7	2.0	4.7	-2.6
ATAD2	7	38.7	6.4	32.3	-26.0
FBXO32	3	13.6	7.2	6.5	0.7
NSMCE2	0	7.3	2.4	5.0	-2.6
ZNF689	11	29.9	4.5	25.4	-20.9
PRR14	11	15.7	3.2	12.5	-9.4
FBRS	11	19.8	5.5	14.2	-8.7
FRRS1	4	12.3	3.4	8.9	-5.6
PHKG2	11	23.7	5.4	18.2	-12.8
MFSD14A	1	25.3	22.3	3.0	19.2
MALSU1	0	9.0	3.0	6.0	-3.0
VPS8	1	24.4	20.7	3.7	17.0
GALK2	0	9.4	2.6	6.9	-4.3
BUB1B	7	48.6	7.7	40.8	-33.1
PDE6D	3	8.7	2.5	6.2	-3.8
EIF4A2	1	83.4	80.0	3.5	76.5
BRPF1	2	19.6	8.2	11.4	-3.3
RPUSD3	2	18.8	6.5	12.4	-5.9
TATDN2	0	13.5	5.8	7.7	-2.0
SEC13	0	9.1	4.7	4.4	0.2
EXOG	0	5.7	1.9	3.8	-1.9

NTAN1	0	9.6	2.4	7.3	-4.9
ZFYVE9	0	12.7	5.0	7.7	-2.7
SMG1	1	31.0	27.6	3.4	24.3
FCHO2	1	20.9	17.6	3.3	14.3
RBPMS	0	5.1	2.2	2.9	-0.7
NRG1	3	10.5	4.4	6.1	-1.7
C1orf27	1	32.8	28.1	4.7	23.5
CPT2	2	36.2	18.9	17.3	1.6
NECAP2	0	18.4	6.7	11.7	-4.9
LRP8	0	8.8	2.5	6.3	-3.8
PAXIP1	0	9.3	2.7	6.6	-4.0
SSBP3	0	7.4	3.8	3.6	0.1
CLDN12	1	15.6	12.7	3.0	9.7
MMP14	3	9.0	2.8	6.3	-3.5
GATAD1	0	5.8	2.2	3.6	-1.4
DHRS4	2	15.2	6.3	8.9	-2.6
DDX19B	2	20.9	8.9	12.0	-3.1
ST3GAL2	0	11.1	5.1	6.0	-0.9
FUK	2	42.5	22.8	19.7	3.1
DHRS1	2	16.3	6.1	10.2	-4.1
ARSE	4	6.8	1.9	4.9	-3.0
RNF111	1	14.6	11.2	3.4	7.8
CCNB2	5	15.6	8.5	7.1	1.4
MYO1E	0	10.0	2.7	7.3	-4.6
APPL1	1	40.8	35.5	5.2	30.3
TSC22D3	0	5.6	2.9	2.8	0.1
DSCR3	0	6.0	2.9	3.1	-0.3
DYRK1A	0	9.4	3.8	5.6	-1.8
ETS2	0	6.6	2.9	3.7	-0.9
SLC35B2	11	22.6	1.4	21.2	-19.8
TMEM164	0	10.3	4.0	6.3	-2.2
C2CD2	0	9.1	4.2	4.9	-0.7
TAB3	1	8.2	5.1	3.1	1.9
SLC38A10	0	16.4	6.4	10.0	-3.6
ZNF618	0	15.4	7.1	8.4	-1.3
C9orf91	0	10.1	5.3	4.8	0.6
BRAF	1	13.2	8.3	4.9	3.4
PSMG3	2	19.8	8.0	11.8	-3.8
WDR19	1	19.7	15.9	3.8	12.0
SLC37A3	1	8.8	5.8	3.0	2.8
AP3S2	0	9.7	4.4	5.3	-1.0
FMNL2	1	13.3	10.1	3.3	6.8
SPPL3	0	7.6	3.7	3.8	-0.1
RAB28	1	9.7	5.5	4.2	1.3
FAM213B	2	23.7	7.9	15.8	-7.9
TNFRSF14	2	13.5	3.9	9.6	-5.8
PANK4	2	21.2	8.5	12.7	-4.2
C12orf43	4	38.6	8.5	30.1	-21.6
PEX10	2	32.8	16.4	16.5	-0.1
RER1	0	8.9	4.1	4.8	-0.7
SKI	0	13.5	6.5	7.0	-0.5
WIPI2	2	15.5	5.0	10.5	-5.5
LDLRAP1	0	15.3	6.1	9.2	-3.1
AGAP1	0	8.2	3.9	4.3	-0.3

PAFAH2	0	6.2	2.9	3.3	-0.4
BRE	0	12.4	4.6	7.8	-3.2
MRPL17	6	15.3	5.6	9.7	-4.1
UBXN11	3	14.9	4.4	10.5	-6.2
NCK1	1	33.5	29.5	4.0	25.4
TPRG1L	2	20.9	8.6	12.4	-3.8
AAED1	7	12.4	1.0	11.4	-10.3
CNNM4	2	13.0	4.3	8.7	-4.4
EYA3	0	8.1	3.8	4.2	-0.4
FANCC	10	10.9	1.3	9.7	-8.4
MRAS	0	9.3	4.5	4.9	-0.4
WASF2	3	12.7	3.4	9.2	-5.8
ABHD3	4	11.6	4.6	7.0	-2.3
FAIM	1	15.6	10.6	5.0	5.6
RNF207	0	9.0	4.0	5.1	-1.1
CUL4B	1	26.9	21.8	5.1	16.7
HIST1H2BI	0	6.5	3.7	2.8	0.9
CDC25C	5	14.5	3.5	10.9	-7.4
MITD1	1	32.0	28.1	3.9	24.3
EIF5B	1	69.8	61.5	8.3	53.2
CNOT11	1	10.3	5.0	5.3	-0.3
TSPAN33	4	11.0	3.8	7.2	-3.4
AHCYL2	0	5.5	2.4	3.1	-0.7
B4GALT5	0	5.2	2.3	2.9	-0.7
SPATA2	2	44.7	24.1	20.6	3.6
FAM86C1	2	17.3	7.0	10.3	-3.4
TSR2	0	7.7	4.2	3.4	0.8
ZC3H18	2	17.4	6.2	11.2	-5.0
ZFAND2B	0	11.9	4.7	7.2	-2.5
GDPD5	0	6.8	3.5	3.2	0.3
TMED4	0	12.1	5.2	6.8	-1.6
PPP1R15B	1	9.3	4.9	4.4	0.5
COPG2	0	6.9	3.2	3.8	-0.6
EMSY	0	8.2	2.9	5.3	-2.3
GPAT4	6	11.8	3.6	8.2	-4.6
TAGLN2	3	8.5	3.2	5.3	-2.0
ELK4	1	11.3	7.2	4.1	3.0
DUSP23	3	21.8	8.2	13.5	-5.3
RNF166	0	13.6	6.0	7.6	-1.6
NBL1	0	9.7	4.1	5.6	-1.6
F11R	4	16.5	8.4	8.1	0.3
USF1	9	17.9	2.8	15.1	-12.3
SPATA2L	2	31.1	14.2	16.9	-2.7
NIT1	9	14.3	2.1	12.2	-10.1
DEDD	9	11.0	2.7	8.2	-5.5
ZNF276	0	10.9	5.0	5.8	-0.8
CDA	0	8.9	3.8	5.2	-1.4
PINK1	0	16.7	7.1	9.6	-2.5
B4GALT3	9	11.6	2.9	8.6	-5.7
DMTN	2	17.8	6.4	11.4	-5.0
FAM160B2	0	10.5	5.6	4.9	0.8
NDUFS2	9	10.2	2.3	8.0	-5.7
APOA2	4	23.1	14.2	8.8	5.4
TOMM40L	4	41.1	12.0	29.1	-17.2

CCAR2	0	7.8	3.9	3.9	0.1
CDC42SE2	1	10.6	6.0	4.5	1.5
EPB41	4	14.0	3.7	10.3	-6.6
MIS18A	7	10.8	1.5	9.3	-7.8
ALG8	1	12.9	6.0	6.9	-0.8
FBXW5	10	29.6	6.4	23.2	-16.8
C21orf59	0	8.0	3.6	4.4	-0.9
PAXBP1	1	58.6	54.2	4.4	49.8
IFNAR2	0	8.9	3.8	5.1	-1.3
MRPL10	2	17.2	6.1	11.1	-5.0
IFNGR2	3	12.7	3.9	8.7	-4.8
GART	0	10.3	3.1	7.2	-4.1
SON	1	55.3	51.5	3.8	47.7
DONSON	7	20.3	2.5	17.8	-15.3
LAD1	0	17.0	6.0	11.0	-5.0
CSRP1	3	13.2	7.7	5.5	2.2
ATP5G1	0	11.4	5.1	6.3	-1.2
RCAN1	0	6.2	2.3	3.9	-1.7
UBE2Z	0	12.6	5.6	7.0	-1.5
SNF8	5	9.1	2.4	6.7	-4.3
CCDC24	2	24.0	10.7	13.2	-2.5
RUNX1	3	15.9	8.5	7.4	1.1
IGF2BP1	0	11.8	3.8	8.0	-4.1
CBR1	0	16.0	6.8	9.2	-2.4
CBR3	3	10.5	3.3	7.2	-3.9
MORC3	1	29.8	25.6	4.2	21.4
CHAF1B	0	14.1	5.2	8.8	-3.6
HLCS	0	8.1	4.0	4.1	-0.1
ARHGAP27	2	22.5	9.1	13.3	-4.2
ADPGK	0	8.6	4.2	4.3	-0.1
PTMS	0	7.2	2.3	4.9	-2.6
ADIPOR1	0	9.7	4.2	5.5	-1.3
CYB5R1	9	17.0	1.4	15.6	-14.2
PSMD4	9	14.6	4.8	9.9	-5.1
ATP13A2	3	11.9	4.3	7.7	-3.4
PSMB4	9	15.2	3.9	11.3	-7.4
HK2	0	9.7	4.7	5.1	-0.4
C1R	3	14.7	5.8	8.9	-3.1
ALDH4A1	4	17.8	7.1	10.7	-3.6
THEM4	9	8.5	2.2	6.3	-4.1
UBR1	1	17.8	15.1	2.7	12.3
AMFR	6	9.6	2.2	7.4	-5.2
MED8	0	11.8	5.5	6.3	-0.8
RSPRY1	1	12.8	9.3	3.5	5.8
GPBP1L1	1	56.6	51.7	4.9	46.7
NAE1	1	71.1	62.3	8.8	53.4
TMEM69	6	13.3	2.0	11.3	-9.2
EFCAB14	1	21.3	17.0	4.2	12.8
SPON2	0	10.6	4.7	5.9	-1.3
CHCHD6	2	18.7	7.6	11.0	-3.4
CTBP1	0	10.7	4.8	5.9	-1.2
ATP6V0D1	0	12.4	5.0	7.4	-2.4
RGS12	1	10.9	5.4	5.5	-0.2
PSKH1	2	27.7	12.0	15.7	-3.7

ZYX	3	20.1	13.1	7.0	6.1
ABR	0	7.2	2.0	5.2	-3.2
CCDC117	0	11.5	4.0	7.5	-3.4
CCDC107	2	18.6	5.8	12.8	-7.0
ZNF235	1	14.9	11.4	3.5	7.9
GNE	0	7.2	3.3	3.9	-0.6
ARHGAP35	0	10.3	5.1	5.2	-0.2
CALM3	0	6.8	2.9	3.9	-0.9
DFFA	0	14.6	6.2	8.3	-2.1
CCDC28B	2	18.1	6.2	11.9	-5.7
TMEM234	0	19.6	7.6	12.0	-4.4
BSDC1	0	13.1	6.1	7.0	-1.0
ATAD3B	2	15.2	5.3	9.9	-4.6
SSU72	0	12.6	5.4	7.2	-1.8
UBE2J2	0	16.3	6.8	9.6	-2.8
ZNF362	0	9.5	5.5	4.0	1.5
NR2F6	4	25.8	7.6	18.1	-10.5
CCDC58	1	39.1	31.9	7.1	24.8
VMA21	0	8.0	3.5	4.5	-1.0
WDR4	2	16.9	5.5	11.5	-6.0
NDUFV3	0	6.4	2.8	3.6	-0.8
PKNOX1	0	8.3	3.5	4.8	-1.3
CBS	2	17.6	6.3	11.3	-5.0
RRP1B	0	10.4	4.4	6.1	-1.7
PDXK	3	7.3	2.1	5.1	-3.0
G6PD	0	15.0	7.1	8.0	-0.9
CSTB	0	9.7	4.5	5.2	-0.8
RRP1	0	14.1	6.0	8.1	-2.1
AGPAT3	0	11.1	4.6	6.5	-1.9
TRAPPC10	1	14.2	9.2	5.0	4.2
C21orf2	2	19.0	7.1	11.9	-4.8
FAM207A	2	23.3	10.2	13.2	-3.0
RALGDS	10	11.6	1.6	10.0	-8.5
SPATC1L	0	10.5	4.6	5.9	-1.3
LSS	0	9.6	3.6	6.0	-2.5
VAV2	10	19.9	2.9	17.0	-14.1
MCM3AP	0	7.0	3.5	3.5	-0.1
C21orf58	0	13.8	4.9	8.9	-3.9
PCNT	0	7.2	2.6	4.7	-2.1
DIP2A	8	9.0	1.1	7.9	-6.8
PRMT2	3	12.2	4.7	7.5	-2.8
CACFD1	4	20.8	6.7	14.1	-7.4
SLC2A6	10	14.3	1.5	12.8	-11.4
C9orf116	2	32.8	14.4	18.4	-4.0
GPSM1	10	18.7	1.3	17.4	-16.1
C19orf47	0	10.4	4.5	5.9	-1.4
TOR2A	2	26.2	11.3	15.0	-3.7
ST6GALNAC	10	16.1	1.3	14.8	-13.5
SHKBP1	0	7.9	2.4	5.5	-3.1
RDH13	2	20.5	8.8	11.7	-2.8
ZER1	10	18.7	2.6	16.1	-13.4
ZDHHC12	10	20.0	3.5	16.6	-13.1
PKN3	10	12.2	1.2	11.0	-9.8
TAOK1	1	37.8	32.3	5.5	26.8

MED27	10	26.8	7.5	19.4	-11.9
DEDD2	2	15.0	5.6	9.4	-3.7
SIK3	0	10.2	5.3	5.0	0.3
TLCD1	4	17.2	6.1	11.1	-4.9
PCSK7	0	8.6	4.0	4.6	-0.7
SAFB	8	11.2	2.4	8.7	-6.3
CHTOP	9	10.9	4.1	6.8	-2.7
ZBTB7B	9	20.1	3.8	16.3	-12.5
FLAD1	9	21.8	6.4	15.4	-9.0
SHC1	3	8.6	2.3	6.3	-4.0
VPS11	2	18.2	7.8	10.4	-2.6
NLRX1	2	33.3	17.0	16.3	0.7
ADAR	9	13.6	3.0	10.6	-7.6
IL6R	4	13.0	3.1	9.8	-6.7
UBE2Q1	6	33.5	12.3	21.2	-8.9
CRTC2	9	8.9	1.2	7.6	-6.4
ANO10	3	11.8	5.3	6.5	-1.3
FDPS	9	11.9	1.2	10.7	-9.5
RUSC1	9	13.2	2.9	10.3	-7.4
FAM189B	9	19.8	4.6	15.2	-10.6
PMF1	0	16.9	3.9	12.9	-9.0
SLC25A44	9	10.9	2.7	8.2	-5.5
LMNA	3	13.4	7.0	6.5	0.5
NBEAL2	4	15.8	4.4	11.4	-7.0
CCDC12	0	8.6	3.9	4.7	-0.8
UBQLN4	9	22.1	3.9	18.2	-14.3
PPP1R35	2	17.5	7.2	10.3	-3.1
GPATCH4	0	14.0	3.0	11.0	-8.1
FGFR4	4	19.3	10.9	8.4	2.5
NACC1	8	16.5	3.8	12.7	-8.9
IER2	2	13.4	4.8	8.6	-3.8
ZNF394	0	7.1	3.1	4.0	-0.9
CPSF4	2	13.7	5.4	8.3	-2.9
LY6E	0	6.1	2.9	3.2	-0.4
VPS28	13	15.3	1.9	13.3	-11.4
TONSL	13	22.7	2.6	20.0	-17.4
MUM1	8	9.9	2.8	7.1	-4.2
RECQL4	5	15.5	7.0	8.5	-1.6
LRRC14	13	21.6	3.5	18.1	-14.6
PPP1R16A	13	15.0	1.9	13.2	-11.3
ORAI2	3	15.3	6.2	9.1	-2.9
ALKBH4	2	35.9	19.4	16.5	2.9
C5orf45	0	14.2	7.3	6.9	0.4
SQSTM1	0	14.2	6.6	7.6	-1.1
MGAT4B	0	10.4	4.9	5.5	-0.6
RPL8	13	8.9	1.6	7.3	-5.7
MAML1	0	7.8	3.7	4.0	-0.3
LRWD1	2	25.5	11.5	14.0	-2.5
NAPEPLD	0	5.0	1.4	3.6	-2.2
PSMC2	1	21.0	17.4	3.5	13.9
MFSD12	8	10.7	2.0	8.7	-6.8
YDJC	2	29.7	14.9	14.8	0.1
DVL3	2	17.6	5.3	12.3	-7.0
AP2M1	3	9.0	2.7	6.3	-3.6

ABCF3	0	11.7	4.8	6.8	-2.0
PCYT1A	0	7.7	3.3	4.3	-1.0
DMKN	0	8.6	3.1	5.4	-2.3
U2AF1L4	0	6.2	2.7	3.5	-0.8
PGAP3	2	30.6	13.0	17.6	-4.6
FDXR	0	9.7	4.0	5.7	-1.7
SAP30BP	0	6.9	2.8	4.1	-1.3
ACOX1	4	15.6	7.6	8.0	-0.5
PRPSAP1	5	7.5	1.5	6.0	-4.5
SRSF2	1	38.5	29.2	9.3	19.9
TMEM143	2	17.1	6.8	10.3	-3.5
ALDH16A1	0	10.1	4.1	5.9	-1.8
ITGA5	3	17.4	10.2	7.2	3.0
ZNF385A	2	12.8	4.2	8.5	-4.3
MPP3	9	7.4	0.8	6.6	-5.8
LSM12	0	7.8	2.8	5.0	-2.2
EMC10	0	9.5	4.3	5.2	-1.0
JOSD2	0	9.6	4.3	5.3	-1.0
DBF4B	5	15.6	3.6	12.0	-8.3
PLCD3	3	7.9	2.6	5.3	-2.6
FMNL3	3	11.6	3.3	8.4	-5.1
RACGAP1	5	25.7	12.6	13.2	-0.6
LARP4	1	47.8	40.8	7.0	33.8
RAVER1	8	22.8	8.4	14.4	-6.0
SPC24	5	16.6	4.4	12.2	-7.9
LEMD2	3	9.2	2.6	6.6	-4.0
ZNF653	8	25.2	5.3	19.8	-14.5
MED11	4	20.0	5.9	14.1	-8.3
CXCL16	4	25.9	13.0	12.9	0.1
RNASEK-C1	6	19.0	6.0	13.1	-7.1
SENP3	6	18.0	3.4	14.6	-11.3
EIF4A1	1	15.8	8.4	7.3	1.1
RPL26	1	25.0	20.5	4.5	16.0
POLR3K	12	21.2	2.8	18.4	-15.5
SNRNP25	5	10.1	2.0	8.1	-6.1
WDR90	12	9.7	1.6	8.1	-6.4
JMJD8	0	11.0	4.5	6.5	-1.9
SPSB3	12	12.2	1.3	10.9	-9.7
C16orf59	12	22.3	3.0	19.3	-16.3
CCNF	5	20.5	4.0	16.4	-12.4
TBC1D24	0	8.7	4.3	4.4	-0.2
AMDHD2	12	13.8	1.7	12.1	-10.4
PAQR4	12	14.4	2.3	12.0	-9.7
FLYWCH2	0	8.9	4.3	4.6	-0.2
ZG16B	2	16.4	4.1	12.2	-8.1
ZNF75A	1	7.2	4.4	2.8	1.6
ADCY9	0	9.2	3.9	5.4	-1.5
CLPB	0	14.7	6.0	8.7	-2.8
CYB561A3	0	14.5	5.3	9.2	-3.9
ASRGL1	0	14.3	4.1	10.2	-6.0
UBXN1	0	12.5	5.3	7.2	-1.9
TTC9C	0	10.2	4.1	6.1	-2.0
TAF6L	2	16.2	6.0	10.2	-4.2
NXF1	0	11.7	5.6	6.1	-0.5

STX5	2	19.2	7.1	12.1	-5.0
RPL29	8	16.8	2.4	14.4	-12.0
SYVN1	0	13.5	5.5	8.0	-2.6
ZFPL1	0	7.3	3.5	3.8	-0.3
RPS6KA4	0	18.6	6.0	12.6	-6.7
LRP5	4	10.0	2.6	7.3	-4.7
TPCN2	0	6.0	2.7	3.2	-0.5
CMPK1	1	83.8	79.7	4.1	75.6
COA7	0	15.8	6.2	9.6	-3.3
C1orf123	0	8.4	4.3	4.1	0.2
MAGOH	1	38.2	30.3	7.9	22.4
USP24	1	37.8	32.7	5.1	27.6
PLPP3	0	7.6	3.4	4.2	-0.7
NOL9	0	9.6	4.8	4.8	0.0
KLHL21	0	15.0	5.4	9.6	-4.2
GMEB1	2	15.6	5.4	10.2	-4.8
SEPN1	0	13.3	5.6	7.7	-2.0
AK4	4	8.2	2.2	5.9	-3.7
JAK1	1	17.3	11.6	5.7	5.9
LZIC	1	12.4	5.9	6.5	-0.6
FBLIM1	0	7.0	3.4	3.6	-0.3
DHRS3	4	11.5	3.6	7.9	-4.3
SDC3	3	20.8	9.7	11.1	-1.4
PEF1	2	15.3	5.1	10.2	-5.1
SYNC	0	11.3	3.1	8.1	-5.0
RBBP4	1	9.7	5.9	3.9	2.0
KIAA1522	0	16.3	5.7	10.5	-4.8
TMCO4	2	22.1	9.0	13.1	-4.1
CAMK2N1	0	8.3	3.7	4.6	-1.0
MXRA8	0	7.3	2.7	4.6	-1.9
FAAP20	2	18.6	6.4	12.1	-5.7
OMA1	1	23.0	17.4	5.6	11.7
MYSM1	1	32.4	28.9	3.5	25.4
TM2D1	1	22.9	18.6	4.4	14.2
USP1	7	59.6	8.8	50.8	-41.9
FUBP1	1	28.1	24.9	3.2	21.7
DNAJB4	1	25.9	21.6	4.3	17.2
TYW3	1	33.5	26.9	6.6	20.4
SNX7	1	10.3	6.1	4.2	1.9
C1orf52	0	7.9	2.5	5.5	-3.0
GBP2	0	9.1	4.2	4.9	-0.6
ZNF326	1	52.1	46.3	5.8	40.4
EXTL2	1	23.6	19.6	4.1	15.5
SLC30A7	1	12.5	8.5	4.0	4.4
ZNF281	1	17.2	13.8	3.4	10.4
ARPC5	3	13.5	6.1	7.4	-1.3
ZNF496	0	12.7	6.0	6.7	-0.7
IGSF8	9	18.9	2.0	16.9	-14.9
PEA15	3	25.6	17.3	8.4	8.9
PEX19	9	12.9	2.9	10.0	-7.1
NCSTN	9	11.3	1.2	10.1	-8.9
FLVCR1	0	15.5	4.3	11.2	-6.9
ATF3	0	6.7	2.7	4.0	-1.3
RBM15	0	8.8	3.2	5.7	-2.5

IER5	0	15.2	4.9	10.3	-5.3
BPNT1	0	13.0	4.1	8.9	-4.8
C1orf115	4	22.7	12.1	10.5	1.6
BROX	1	15.4	11.5	3.9	7.6
ACP6	0	12.8	5.2	7.6	-2.4
TFB2M	1	15.8	10.5	5.3	5.2
CNST	0	6.4	1.9	4.5	-2.6
PPP1R21	0	10.3	3.3	7.0	-3.7
PKDCC	4	14.0	4.9	9.2	-4.3
B3GALNT2	1	11.2	7.4	3.8	3.6
MAPKAPK2	3	30.6	18.8	11.8	7.0
CAPN2	3	21.0	13.9	7.0	6.9
MRPL55	0	9.9	3.7	6.2	-2.5
WDR26	1	12.7	9.4	3.3	6.1
PEX13	1	16.3	11.8	4.5	7.3
KIAA1841	1	13.8	9.8	4.0	5.7
MEMO1	0	7.8	3.0	4.8	-1.8
DPY30	1	14.8	10.0	4.8	5.2
C2orf47	1	18.9	8.8	10.1	-1.3
PQLC3	0	8.4	3.9	4.4	-0.5
ARL5A	1	26.6	22.8	3.8	19.1
CFAP36	1	20.9	15.2	5.7	9.5
NUP35	1	45.7	34.4	11.3	23.1
CCDC138	1	27.3	17.8	9.5	8.3
C2orf44	0	9.8	2.9	7.0	-4.1
SMC6	1	36.7	30.7	6.0	24.7
H3F3A	0	7.3	3.3	4.0	-0.7
ADCK3	4	20.1	5.2	14.9	-9.8
SGCB	1	10.0	5.8	4.3	1.5
SMARCAD1	1	38.0	34.0	4.0	30.0
PDLIM5	0	8.2	3.6	4.6	-1.1
RPRD2	9	14.5	5.6	8.9	-3.3
CTSS	0	11.4	4.9	6.5	-1.7
PACRGL	1	13.0	7.2	5.8	1.5
LYSMD1	9	19.8	3.6	16.2	-12.5
SCNM1	9	13.4	5.5	7.9	-2.4
VPS72	9	10.7	2.7	8.0	-5.3
ERCC3	0	8.6	3.4	5.2	-1.9
RNF149	0	7.4	2.5	4.9	-2.4
IWS1	1	20.7	17.5	3.2	14.2
BOLA3	0	10.6	3.8	6.9	-3.1
CDC42EP3	3	26.5	13.8	12.7	1.1
S100A11	0	5.1	2.4	2.7	-0.4
DHX57	1	34.9	27.3	7.6	19.7
CCNYL1	1	12.7	7.1	5.5	1.6
FZD5	4	16.2	7.9	8.3	-0.4
DCAF16	0	11.4	4.0	7.5	-3.5
GNPDA2	1	16.5	11.8	4.6	7.2
PAQR3	1	19.8	15.8	4.0	11.8
ANTXR2	0	9.6	4.3	5.2	-0.9
MRPS18C	6	65.9	13.1	52.7	-39.6
CGGBP1	1	29.4	26.0	3.4	22.5
FAM175A	1	17.5	12.9	4.6	8.3
PMVK	9	20.4	3.1	17.3	-14.2

PBXIP1	0	15.3	7.3	8.0	-0.7
CLDN1	4	8.7	2.7	6.0	-3.3
PYGO2	9	18.4	4.9	13.5	-8.6
HIPK1	1	14.0	9.5	4.5	5.0
COL6A3	3	13.5	6.9	6.6	0.2
C1orf106	4	15.5	6.6	8.9	-2.3
YY1AP1	9	11.4	4.3	7.1	-2.8
EOGT	1	14.7	11.5	3.2	8.4
APOA1BP	9	19.5	3.8	15.7	-11.9
POGLUT1	0	9.1	3.4	5.7	-2.3
ATP1A1	4	10.4	3.3	7.1	-3.8
LRRC58	1	42.7	36.6	6.1	30.5
FSTL1	3	21.4	8.9	12.5	-3.5
ELF3	4	21.4	9.7	11.7	-2.0
TMEM183A	0	10.3	4.1	6.2	-2.1
IGFBP7	0	11.1	2.3	8.8	-6.6
KRTCAP2	9	8.9	2.3	6.6	-4.2
ARPC2	1	15.6	7.9	7.7	0.2
CCT3	5	16.9	4.8	12.0	-7.2
SSR2	9	12.4	2.7	9.7	-7.0
RNF25	6	14.0	5.0	9.1	-4.1
STK36	0	7.4	2.9	4.5	-1.6
KIAA1524	7	38.4	7.0	31.4	-24.4
CWC22	1	45.4	37.6	7.8	29.9
AZI2	1	63.6	56.0	7.7	48.3
TGFBR2	0	7.8	3.5	4.3	-0.8
ANKZF1	0	6.2	2.9	3.3	-0.4
HDAC11	0	11.1	5.1	6.0	-0.9
GLB1L	0	7.7	3.5	4.2	-0.7
STT3B	1	113.3	107.1	6.3	100.8
CHCHD4	0	16.7	7.0	9.8	-2.8
SGOL2	7	36.8	8.0	28.8	-20.7
CLASP2	1	44.8	37.7	7.1	30.6
SUCLG1	0	11.8	4.1	7.6	-3.5
NUAK2	3	11.2	3.9	7.3	-3.3
PRKCI	1	70.0	60.0	10.0	50.1
IFI16	3	17.0	8.7	8.3	0.3
EIF5A2	0	6.0	1.6	4.4	-2.8
RPL22L1	1	13.1	6.8	6.2	0.6
FABP1	4	25.6	15.8	9.8	6.1
RYBP	1	20.2	15.9	4.3	11.6
PPP4R2	1	84.3	77.0	7.3	69.7
GTPBP8	1	7.0	3.6	3.4	0.2
C3orf17	1	61.9	56.6	5.3	51.3
SPICE1	1	12.5	9.6	2.9	6.8
WDFY3	1	15.5	10.6	4.9	5.7
COX18	2	26.9	12.6	14.3	-1.7
ALB	4	23.5	13.9	9.6	4.3
THOC7	1	21.0	15.5	5.5	10.1
ATXN7	1	12.3	8.2	4.2	4.0
PSMD6	1	19.4	14.5	4.8	9.7
GMPS	7	14.9	1.7	13.2	-11.5
TIPARP	1	14.4	8.8	5.5	3.3
CCNL1	1	98.5	94.8	3.8	91.0

SLMAP	1	41.9	38.7	3.1	35.6
RPL9	0	9.0	3.2	5.8	-2.7
SMIM14	0	7.7	2.8	4.9	-2.1
RPP14	0	8.7	3.5	5.3	-1.8
ABHD6	2	23.8	10.0	13.8	-3.8
RBM47	4	14.4	5.4	9.1	-3.7
APBB2	3	11.9	4.6	7.3	-2.7
IL17RC	0	14.1	6.3	7.8	-1.5
CRELD1	0	10.2	5.6	4.6	1.0
PCOLCE2	1	10.3	5.9	4.4	1.5
U2SURP	1	108.0	102.8	5.3	97.5
MTMR14	2	16.3	5.0	11.2	-6.2
TTC14	1	19.4	16.8	2.5	14.3
MTHFD2L	0	6.8	2.7	4.0	-1.3
CXCL1	0	6.7	3.3	3.4	0.0
RCHY1	1	14.5	9.8	4.7	5.1
GYG1	0	9.3	3.9	5.4	-1.4
HPS3	1	13.1	7.1	6.0	1.1
TOPBP1	1	94.9	84.2	10.7	73.5
RYK	1	47.6	43.9	3.7	40.2
ZNF513	2	14.7	4.8	9.9	-5.1
SLC4A1AP	1	20.8	17.6	3.2	14.4
KIAA1143	1	14.6	11.7	3.0	8.7
KIF15	7	32.2	5.4	26.7	-21.3
WDR43	1	106.7	93.7	12.9	80.8
ZDHHC3	0	8.3	4.0	4.3	-0.4
LZTFL1	1	10.0	7.2	2.9	4.3
FYCO1	0	11.5	5.0	6.5	-1.5
ELP6	0	15.2	6.1	9.1	-3.0
DTX3L	0	11.7	4.5	7.1	-2.6
ZNF148	1	37.5	33.4	4.0	29.4
SMIM12	2	17.5	6.1	11.4	-5.2
TPRA1	10	14.0	1.4	12.6	-11.2
YEATS2	0	6.8	3.0	3.9	-0.9
ZC3H12A	0	13.9	5.5	8.4	-2.9
MEAF6	0	7.6	2.9	4.7	-1.8
SNIP1	2	18.7	6.2	12.5	-6.3
POLR2H	0	14.5	5.2	9.2	-4.0
TMEM41A	4	14.1	3.6	10.5	-7.0
RPN1	0	17.4	7.2	10.2	-3.1
SENP2	1	16.3	12.4	3.8	8.6
IFT122	0	6.9	3.4	3.5	-0.1
RFC4	7	27.3	4.5	22.8	-18.2
RPL39L	0	5.6	2.4	3.3	-0.9
BAP1	0	13.2	6.2	6.9	-0.7
TKT	3	11.4	3.3	8.1	-4.8
PRKCD	2	18.8	6.8	12.0	-5.1
RFT1	2	17.6	6.3	11.3	-5.0
SFMBT1	0	10.1	4.3	5.8	-1.6
GNL3	1	63.5	59.8	3.7	56.1
PBRM1	1	22.9	17.5	5.4	12.1
FAM208A	1	65.0	60.1	4.9	55.3
ARHGEF3	0	5.0	1.9	3.1	-1.2
SLBP	7	18.7	3.1	15.5	-12.4

LRPAP1	0	8.7	4.3	4.4	-0.1
UBXN7	1	18.4	13.9	4.4	9.5
RNF168	1	11.1	6.5	4.6	1.8
PIGX	0	7.2	3.3	3.9	-0.6
MFI2	0	9.8	4.3	5.5	-1.2
S100P	4	20.4	8.8	11.6	-2.9
EXO5	0	10.5	4.7	5.8	-1.1
C1orf50	0	15.1	6.5	8.6	-2.0
ZNF691	2	21.6	10.1	11.5	-1.4
AIMP1	1	63.9	57.6	6.2	51.4
SGMS2	0	7.5	2.9	4.6	-1.7
METAP1	1	27.3	22.7	4.6	18.1
DNAJB14	1	21.5	18.9	2.6	16.2
H2AFZ	5	17.3	3.9	13.3	-9.4
SLC9B2	4	13.4	2.9	10.5	-7.6
BDH2	0	9.2	4.0	5.2	-1.3
PGRMC2	1	13.4	9.1	4.3	4.8
CDC25A	0	22.2	8.4	13.8	-5.3
PLXNB1	4	15.6	7.3	8.3	-1.1
CCDC51	2	24.9	10.2	14.7	-4.6
SHISA5	0	10.7	4.8	5.8	-1.0
SPRY1	0	11.5	4.9	6.6	-1.7
APEH	0	11.8	5.4	6.4	-1.1
RNF123	6	13.7	4.2	9.5	-5.3
HSPA4L	1	7.9	4.3	3.5	0.8
MFSD8	1	15.8	11.4	4.4	7.1
MON1A	2	31.1	15.5	15.6	-0.1
TEX264	0	13.6	6.0	7.6	-1.7
DUSP7	0	12.8	5.2	7.7	-2.5
POC1A	2	23.8	7.3	16.5	-9.1
PPM1M	0	14.4	6.0	8.4	-2.5
WDR82	0	9.4	5.2	4.2	1.0
C4orf3	0	7.4	3.1	4.3	-1.2
HMGB2	5	26.6	11.4	15.3	-3.9
SAP30	0	9.0	2.7	6.2	-3.5
MAD2L1	7	45.6	7.4	38.1	-30.7
ANXA5	0	4.4	2.0	2.4	-0.5
FBXO8	1	6.9	3.9	3.0	0.9
HPGD	0	5.8	2.1	3.7	-1.6
NAA15	1	58.9	50.1	8.8	41.4
ARFIP1	1	27.6	24.6	3.0	21.6
ICE1	1	25.3	20.8	4.5	16.3
ANAPC10	7	10.4	1.1	9.3	-8.2
ABCE1	1	84.5	75.4	9.1	66.2
OTUD4	1	34.1	29.9	4.3	25.6
LSM6	7	12.7	1.3	11.4	-10.2
TMEM184C	1	10.3	7.1	3.1	4.0
ITGA2	0	9.9	4.7	5.2	-0.6
MOCS2	0	6.9	2.9	4.0	-1.0
EDIL3	3	21.5	9.9	11.6	-1.7
TMEM161B	1	22.4	19.0	3.3	15.7
NDUFAF2	0	12.1	5.3	6.8	-1.4
NIPBL	1	50.9	44.7	6.2	38.4
SLC25A46	1	26.4	22.4	3.9	18.5

STARD4	1	17.0	13.9	3.1	10.8
PGGT1B	1	39.4	32.8	6.7	26.1
CMBL	0	9.2	3.8	5.4	-1.6
PRRC1	1	22.5	19.4	3.1	16.3
F2RL1	3	8.7	3.2	5.5	-2.3
AGGF1	1	23.6	19.8	3.8	16.0
WDR41	1	16.6	11.4	5.2	6.2
NDUFS4	1	9.6	5.0	4.5	0.5
SPINK1	4	11.3	5.7	5.6	0.1
GRPEL2	1	17.6	10.6	6.9	3.7
RHOBTB3	1	19.5	14.5	5.0	9.4
GPX8	3	21.6	6.5	15.1	-8.5
SERINC5	4	9.2	2.5	6.7	-4.3
CASP3	1	16.3	12.9	3.4	9.4
PRIMPOL	7	13.9	1.5	12.4	-10.8
ERAP1	0	6.0	1.7	4.3	-2.6
ERAP2	1	7.7	4.7	3.0	1.7
CFAP97	1	15.6	13.2	2.5	10.7
PAPD4	1	50.6	46.9	3.7	43.2
ANKRA2	1	10.5	7.0	3.5	3.6
UBLCP1	1	51.3	45.2	6.1	39.1
UTP15	1	37.2	32.4	4.7	27.7
NSA2	1	64.5	58.9	5.6	53.2
GFM2	1	22.1	18.5	3.6	15.0
8-Sep	0	6.0	2.8	3.3	-0.5
SHROOM1	4	18.5	7.4	11.1	-3.8
UQCRQ	0	8.9	3.7	5.2	-1.5
SLC35A1	1	13.5	9.8	3.7	6.0
CITED2	7	7.7	0.6	7.0	-6.4
DCBLD1	3	11.4	3.8	7.6	-3.7
SFXN1	0	11.7	3.8	7.9	-4.1
PDSS2	4	15.0	4.8	10.2	-5.5
STXBP5	1	9.2	5.9	3.3	2.5
DAGLB	0	15.1	5.3	9.7	-4.4
STK17A	0	11.7	2.4	9.3	-7.0
TRA2A	1	66.6	61.1	5.5	55.6
GALNT10	3	15.9	9.2	6.6	2.6
SAP30L	0	10.7	3.3	7.3	-4.0
RPS14	0	14.0	4.5	9.4	-4.9
COG5	1	8.3	5.9	2.3	3.6
SLU7	1	101.3	97.0	4.3	92.8
RP9	2	12.8	5.2	7.6	-2.4
PTTG1	5	22.3	12.2	10.1	2.1
CAMLG	1	13.8	8.0	5.8	2.1
ZNF12	1	9.9	7.0	2.9	4.1
SLC29A4	4	13.2	4.0	9.2	-5.2
STEAP1	0	6.9	2.6	4.3	-1.7
CDCA7L	3	8.1	2.2	5.9	-3.6
MIOS	7	16.5	1.8	14.7	-12.9
FABP5	0	6.2	1.9	4.3	-2.5
COL1A2	0	9.5	3.0	6.5	-3.5
CHMP4C	4	11.6	4.9	6.7	-1.8
BRI3	0	9.6	4.6	5.0	-0.4
LMTK2	4	19.9	7.8	12.0	-4.2

CTSB	3	10.6	3.8	6.8	-3.1
DLC1	0	8.9	3.5	5.4	-1.9
PEX2	6	14.5	2.3	12.2	-9.9
RAD21	1	75.8	70.5	5.2	65.3
MED30	0	8.0	2.7	5.3	-2.7
TNFRSF11B	0	6.3	2.7	3.7	-1.0
PHKG1	2	17.1	6.7	10.5	-3.8
SPIDR	1	13.0	8.9	4.1	4.8
ORC5	1	18.4	13.7	4.6	9.1
DNAAF5	0	11.4	4.4	7.0	-2.5
OSGIN2	1	12.1	8.6	3.4	5.2
SUN1	0	8.2	3.3	4.9	-1.6
OXR1	1	18.1	15.7	2.4	13.3
TMEM184A	4	20.1	7.7	12.5	-4.8
MICALL2	0	20.0	7.0	13.0	-5.9
INTS1	2	14.0	4.8	9.2	-4.4
CDK5	0	6.5	3.0	3.5	-0.5
SLC4A2	3	9.5	2.8	6.7	-3.9
FASTK	0	12.8	4.7	8.1	-3.4
TMUB1	2	16.5	5.6	10.9	-5.4
C7orf55	0	12.5	4.6	7.8	-3.2
PHAX	1	75.0	66.8	8.2	58.5
ALDH7A1	5	9.3	2.4	6.9	-4.6
FOXK1	2	36.6	18.0	18.5	-0.5
COX6C	1	14.8	11.0	3.8	7.1
YWHAZ	1	15.9	8.7	7.1	1.6
FZD6	1	11.9	7.1	4.8	2.3
SLC25A32	1	18.2	14.7	3.5	11.2
DCAF13	1	46.0	41.2	4.8	36.4
INTS8	1	56.8	52.7	4.1	48.6
KIAA1429	1	54.1	48.4	5.7	42.6
GEM	3	7.2	2.3	4.9	-2.6
PDP1	3	16.8	6.1	10.7	-4.5
TMEM67	1	14.9	11.1	3.9	7.2
KIAA0196	1	14.4	11.3	3.1	8.2
RPP25L	2	24.3	11.0	13.2	-2.2
FAM219A	0	14.2	5.9	8.2	-2.3
SNAPC3	0	8.5	3.0	5.5	-2.4
NUDT2	0	10.7	4.4	6.2	-1.8
TMEM65	1	5.4	2.8	2.6	0.2
PSIP1	1	26.5	21.4	5.0	16.4
UBAP1	0	10.5	4.2	6.3	-2.0
ABCA1	1	7.9	4.5	3.4	1.1
NFIL3	0	5.8	2.1	3.6	-1.5
METTL2B	0	9.7	3.7	6.0	-2.3
FXN	10	17.5	1.7	15.8	-14.1
ALDH1A1	4	12.5	5.4	7.2	-1.8
KDM1B	0	7.4	2.3	5.1	-2.8
HGSNAT	0	8.3	4.4	3.9	0.5
C9orf64	0	8.5	2.5	5.9	-3.4
HNRNPK	1	52.6	47.4	5.2	42.2
ANKS6	0	7.6	3.2	4.3	-1.1
ZHX1	1	15.1	11.2	4.0	7.2
DYNLT3	1	8.5	5.7	2.8	2.9

MID1IP1	4	12.9	4.7	8.3	-3.6
PIGA	1	17.4	14.0	3.3	10.7
STRBP	1	21.5	15.5	6.0	9.5
GAPVD1	1	13.3	7.9	5.4	2.5
CARD19	10	18.6	1.6	17.0	-15.4
ZNF367	7	13.2	2.0	11.2	-9.2
NDUFB6	6	10.1	1.7	8.4	-6.6
NOL6	2	18.8	7.4	11.3	-3.9
VCP	0	7.2	3.4	3.7	-0.3
PIGO	2	16.8	6.4	10.4	-4.1
STOML2	2	18.0	6.1	12.0	-5.9
MELK	5	19.1	5.8	13.3	-7.5
ARHGAP12	1	27.1	24.4	2.6	21.8
CLDN2	3	11.5	3.5	8.0	-4.5
SPTSSA	1	14.6	11.7	2.9	8.8
8-Mar	0	12.0	5.6	6.4	-0.8
CFL2	7	16.8	2.3	14.5	-12.3
SUGT1	1	49.0	41.5	7.5	33.9
GTF2A1	1	26.1	21.1	5.0	16.1
ZCCHC24	3	11.3	3.7	7.6	-3.9
INPPL1	0	7.0	3.1	3.9	-0.7
CRYL1	2	22.9	7.0	15.9	-8.9
REEP3	1	39.0	29.3	9.7	19.6
SKA3	7	20.5	4.9	15.6	-10.6
MICU2	1	21.1	17.8	3.3	14.5
DDIAS	7	18.7	3.3	15.5	-12.2
PCF11	1	27.9	23.8	4.0	19.8
LRR1	7	14.8	2.7	12.1	-9.5
RPL36AL	1	47.3	43.3	4.0	39.3
DNAAF2	0	14.5	5.3	9.1	-3.8
C10orf10	0	9.2	4.4	4.8	-0.5
KLHDC2	1	17.9	9.8	8.1	1.8
NEMF	1	59.9	53.5	6.4	47.1
RPUSD4	0	15.2	6.4	8.8	-2.5
ARF6	0	6.7	2.2	4.5	-2.4
TTC8	1	12.8	9.3	3.5	5.8
NUDT5	1	16.7	11.4	5.2	6.2
BEND7	0	8.8	2.1	6.7	-4.6
ATP5C1	1	16.5	10.1	6.4	3.7
PRPF18	1	19.3	15.9	3.4	12.5
VDAC2	0	11.7	5.3	6.4	-1.0
COMTD1	2	32.2	17.0	15.2	1.9
PDZD8	1	11.8	8.3	3.5	4.7
ZNF503	0	10.9	5.9	5.0	1.0
FAM175B	1	23.0	17.5	5.5	12.0
QSOX2	10	12.4	1.8	10.6	-8.8
FAM204A	1	22.1	16.9	5.2	11.7
NSD1	0	10.1	3.0	7.1	-4.2
PRDX3	1	31.4	25.8	5.7	20.1
ENOX2	0	6.7	2.8	3.8	-1.0
GHITM	0	6.3	1.9	4.3	-2.4
SNAPC4	2	51.0	27.7	23.3	4.3
PMPCA	10	15.4	2.7	12.7	-9.9
SDCCAG3	10	13.1	2.7	10.4	-7.7

TSC1	0	7.9	3.5	4.4	-0.8
HPRT1	7	17.3	2.0	15.3	-13.3
BORCS5	2	21.2	8.9	12.3	-3.4
ZMYND19	10	27.2	6.7	20.5	-13.9
DDX21	1	85.8	77.8	8.0	69.7
BMS1	1	27.3	20.8	6.5	14.3
STK32C	0	10.0	4.6	5.4	-0.7
FUNDC2	0	7.4	3.6	3.8	-0.2
TMEM55B	0	6.6	2.7	3.8	-1.1
METTL17	0	8.6	3.1	5.6	-2.5
NDRG2	4	26.7	13.9	12.8	1.0
ARHGEF40	0	7.4	3.4	4.0	-0.6
NSMF	10	11.1	1.8	9.2	-7.4
ZNF219	2	14.5	4.5	10.0	-5.5
CASP7	0	5.2	2.4	2.9	-0.5
METTL3	0	10.2	3.9	6.3	-2.4
TRUB1	1	17.6	12.0	5.6	6.5
ZFYVE1	0	18.0	7.8	10.2	-2.4
UBTD1	3	24.6	7.1	17.5	-10.3
E2F7	3	13.0	4.2	8.8	-4.5
ISCA2	0	7.5	3.3	4.3	-1.0
PACSIN3	0	10.0	4.2	5.9	-1.7
TTC7B	0	11.5	4.2	7.3	-3.1
SLC39A13	3	22.7	8.0	14.8	-6.8
PSMC3	5	13.6	3.3	10.3	-7.0
CPSF2	1	72.7	64.6	8.1	56.5
MOAP1	0	10.2	4.5	5.8	-1.3
IFI27L1	0	10.5	4.6	5.9	-1.2
IFI27	0	13.2	5.3	8.0	-2.7
CLMN	3	6.5	2.3	4.1	-1.8
PTER	0	7.4	2.0	5.4	-3.4
HACD1	7	9.1	0.8	8.4	-7.6
ARL5B	1	21.0	16.9	4.1	12.8
SMC04	0	7.6	2.7	4.9	-2.1
TAF1D	1	72.6	66.8	5.8	60.9
ABTB2	2	22.7	8.9	13.8	-4.9
R3HCC1L	1	15.6	9.7	5.9	3.9
HTRA1	3	10.6	3.7	6.9	-3.3
LIPC	4	17.5	10.5	7.0	3.5
CEP57	1	43.4	38.3	5.1	33.1
SPRED1	1	9.0	5.4	3.6	1.8
GPR176	3	19.3	11.5	7.8	3.7
GPT2	0	14.1	5.5	8.6	-3.2
RAB8B	1	8.9	5.2	3.6	1.6
IKBIP	1	19.1	15.1	4.0	11.1
RPUSD2	2	31.7	14.7	17.0	-2.4
HIF1AN	0	9.0	5.0	4.0	0.9
NDUFB8	0	15.4	6.0	9.4	-3.4
ZFYVE19	4	13.1	3.3	9.8	-6.5
FBN1	3	12.4	3.6	8.8	-5.1
BRD7	1	11.1	6.3	4.8	1.5
CKB	0	6.8	2.7	4.1	-1.4
TRMT61A	2	40.4	22.5	17.9	4.6
BTRC	0	9.6	5.1	4.5	0.5

POLL	2	16.4	5.8	10.7	-4.9
BAG5	1	13.2	8.4	4.8	3.6
DPCD	0	11.6	5.8	5.8	0.0
LARP6	3	12.5	6.2	6.3	0.0
API5	1	43.2	39.1	4.0	35.1
HPS6	2	42.2	20.5	21.7	-1.2
NOLC1	1	20.7	11.7	9.1	2.6
ALKBH3	0	5.3	2.3	3.0	-0.6
COPS2	1	62.0	57.9	4.1	53.7
SGPL1	0	9.6	3.9	5.8	-1.9
FRS2	1	17.1	12.6	4.5	8.2
CCT2	1	37.8	29.6	8.2	21.4
PCBD1	5	16.3	5.3	11.0	-5.6
ARIH1	1	75.5	61.8	13.6	48.2
COX11	1	14.6	10.2	4.4	5.9
ZNF202	0	12.9	6.1	6.8	-0.7
CUL5	1	23.0	18.8	4.2	14.6
WBP1L	0	21.3	8.6	12.8	-4.2
BORCS7	1	13.1	7.1	6.0	1.0
C2	4	11.4	4.4	7.0	-2.6
ANAPC16	1	10.6	5.8	4.8	0.9
SMPD1	3	14.0	5.5	8.5	-3.0
APBB1	0	9.6	4.4	5.2	-0.8
TRIM44	0	11.1	3.3	7.7	-4.4
ILK	3	14.7	5.7	9.0	-3.3
TAF10	6	7.8	1.6	6.2	-4.5
TPP1	0	8.7	4.3	4.4	-0.1
CYB5A	0	8.7	3.6	5.1	-1.5
USP54	0	6.5	2.8	3.6	-0.8
C11orf74	0	6.4	2.3	4.1	-1.8
ATP9B	4	12.3	4.0	8.3	-4.4
PPFIBP2	4	8.7	2.4	6.4	-4.0
KIAA0355	0	9.7	4.4	5.3	-0.9
SERPINB8	3	10.7	3.5	7.2	-3.7
IDH3A	1	46.1	36.9	9.2	27.7
XRRA1	0	9.1	3.7	5.4	-1.7
RPL27A	0	10.3	3.6	6.7	-3.1
ST5	0	9.2	2.8	6.4	-3.6
CENPN	7	30.0	5.4	24.6	-19.1
AKIP1	3	12.0	3.1	8.8	-5.7
ATMIN	1	12.4	5.9	6.5	-0.6
TMEM41B	1	16.6	13.2	3.4	9.8
LEO1	1	22.4	16.9	5.5	11.4
ZNF143	1	52.3	44.5	7.7	36.8
TMX3	1	29.0	25.1	3.9	21.2
WEE1	7	14.7	1.9	12.8	-10.9
MAPK7	0	7.8	3.5	4.3	-0.8
NDST2	2	17.2	6.4	10.8	-4.3
MCM7	5	17.7	5.6	12.1	-6.5
ZNF3	0	11.1	5.1	5.9	-0.8
ZSCAN21	2	16.2	5.6	10.7	-5.1
TK2	0	10.8	4.4	6.4	-2.0
TMED3	0	5.2	2.5	2.6	-0.1
SEC11C	1	9.4	4.7	4.7	0.0

TMEM135	1	25.8	18.3	7.5	10.8
NDEL1	1	12.6	8.0	4.7	3.3
CENPV	0	9.7	3.0	6.7	-3.7
FAM96B	2	14.8	5.8	9.0	-3.1
HSP90B1	1	113.1	108.6	4.5	104.1
BLCAP	2	13.9	4.8	9.1	-4.4
ATF7IP2	0	8.0	2.4	5.6	-3.2
NGFRAP1	0	4.7	2.0	2.7	-0.7
COG1	0	12.3	5.0	7.3	-2.3
PLEKHA7	0	6.8	2.6	4.2	-1.5
B2M	3	15.8	6.7	9.1	-2.4
ZNF592	0	10.6	4.8	5.8	-1.0
CASC4	1	44.8	40.8	4.0	36.8
NNMT	3	27.0	19.0	7.9	11.1
AP1G1	1	11.7	7.4	4.4	3.0
C16orf45	0	8.3	3.4	5.0	-1.6
KIAA0430	0	9.9	5.1	4.8	0.2
SAAL1	7	18.5	2.9	15.6	-12.6
PPIB	0	10.8	4.8	6.0	-1.3
FAM96A	1	16.0	9.6	6.4	3.1
FAM111A	7	16.0	1.9	14.1	-12.3
KIAA0101	5	21.8	11.7	10.1	1.7
PEX11A	4	14.7	5.3	9.5	-4.2
TMEM170A	0	14.5	7.0	7.5	-0.5
ANPEP	4	11.1	5.0	6.0	-1.0
NAV2	3	10.4	3.2	7.3	-4.1
DCTN5	0	8.0	3.0	5.0	-1.9
TERF2IP	0	11.6	5.7	5.9	-0.2
PLK1	5	22.4	13.3	9.1	4.2
CLPX	1	42.7	38.7	4.0	34.7
NEMP1	7	17.0	2.5	14.5	-11.9
NAB2	0	11.9	5.5	6.4	-0.9
VPS39	0	8.0	4.1	3.9	0.2
STAT6	0	7.4	3.2	4.3	-1.1
PATL1	0	6.5	2.3	4.2	-2.0
XRCC6BP1	7	10.3	1.2	9.1	-7.9
STX3	0	6.1	2.5	3.6	-1.0
MRPL16	2	21.8	7.9	13.9	-6.0
PIP4K2C	4	12.6	3.4	9.2	-5.8
MTMR10	1	8.2	5.4	2.8	2.6
YWHAB	1	20.0	12.5	7.5	5.1
GREM1	3	12.7	4.9	7.8	-3.0
TSC22D4	0	21.6	7.8	13.8	-5.9
DIS3L	1	22.2	15.4	6.8	8.7
CCNDBP1	0	6.0	2.8	3.2	-0.3
SMAD3	3	20.2	12.5	7.7	4.8
RCCD1	0	10.1	4.1	6.0	-1.9
AKTIP	1	9.5	5.3	4.2	1.0
MAPRE2	0	6.9	2.7	4.2	-1.5
MARS	6	29.8	9.0	20.8	-11.8
MBD6	0	12.5	5.3	7.1	-1.8
CNPY4	0	11.4	6.2	5.2	1.0
PDIA3	1	10.0	5.8	4.2	1.5
NUDT21	0	10.5	3.6	6.9	-3.2

PBX3	3	11.5	4.0	7.5	-3.5
PHB	5	23.3	9.7	13.6	-3.9
SNRPD1	6	62.9	12.2	50.7	-38.5
TMEM92	0	6.8	2.9	3.9	-1.0
FAM102A	3	15.3	4.7	10.6	-5.8
ACSF2	0	6.1	2.2	4.0	-1.8
GOLGA2	0	9.3	3.7	5.6	-1.9
TRUB2	10	12.2	1.6	10.6	-9.0
COQ4	10	27.8	7.5	20.4	-12.9
SLC27A4	2	24.8	10.5	14.4	-3.9
URM1	10	13.8	4.0	9.8	-5.8
CERCAM	0	10.0	4.7	5.4	-0.7
DOLPP1	10	22.2	2.6	19.7	-17.1
ENDOG	2	61.2	34.8	26.4	8.3
UGT1A6	0	16.2	6.9	9.3	-2.4
C15orf39	4	19.3	5.7	13.5	-7.8
SP2	2	19.7	6.4	13.3	-6.9
COQ7	0	7.7	2.6	5.1	-2.5
GPRC5B	0	10.4	4.0	6.3	-2.3
CRK	1	39.3	36.0	3.3	32.7
FBXO22	6	16.8	2.4	14.4	-12.0
TBC1D2B	3	10.7	5.3	5.4	-0.1
HDHD2	0	5.1	1.8	3.3	-1.4
RNF214	0	11.7	5.9	5.8	0.1
CDK12	1	17.5	11.0	6.5	4.6
DUS2	2	19.9	7.3	12.6	-5.3
POP5	0	13.8	4.5	9.3	-4.8
ENGASE	2	11.9	4.1	7.8	-3.7
ATP5L	6	21.8	8.5	13.3	-4.8
TBC1D16	0	14.2	6.2	7.9	-1.7
ENTHD2	2	17.6	6.0	11.7	-5.7
MYO5B	0	9.5	4.0	5.5	-1.5
ACAA2	4	8.4	2.1	6.3	-4.2
STIM1	3	12.2	3.7	8.4	-4.7
RRM1	5	35.9	9.1	26.8	-17.7
TRIM68	0	14.3	5.3	9.0	-3.7
FN3K	2	16.9	5.6	11.3	-5.6
IRGQ	0	9.5	4.8	4.7	0.0
ZNF226	0	6.1	2.9	3.3	-0.4
PPP2R3B	0	9.7	4.3	5.3	-1.0
ZNF668	11	33.1	3.8	29.3	-25.5
ZNF646	11	37.6	5.4	32.2	-26.7
VKORC1	11	20.1	3.4	16.8	-13.4
SMG8	0	11.9	4.1	7.8	-3.7
TPM4	1	40.0	35.9	4.1	31.8
RAB8A	7	17.8	2.0	15.7	-13.7
GPX4	8	8.8	1.3	7.6	-6.3
MIDN	8	16.9	2.7	14.1	-11.4
GATAD2A	8	16.9	3.0	14.0	-11.0
MVD	2	13.5	4.3	9.3	-5.0
CDT1	5	19.0	6.7	12.3	-5.6
TRAPPC2L	6	16.5	6.8	9.7	-2.9
ANKRD11	0	7.9	3.1	4.8	-1.8
SPATA33	0	12.9	5.5	7.4	-1.8

SGK494	0	6.3	2.9	3.3	-0.4
RPL13	8	19.1	2.8	16.3	-13.6
ZNF641	0	5.8	2.9	2.8	0.1
CACNB3	3	11.9	5.2	6.7	-1.6
DHRS13	4	24.9	6.4	18.4	-12.0
TP53I13	0	10.8	4.0	6.9	-2.9
KMT2D	0	12.4	6.8	5.6	1.2
TUBA1A	3	10.1	4.0	6.1	-2.2
TUBA1C	5	23.0	13.4	9.6	3.8
SERTAD3	0	9.2	4.9	4.3	0.6
NCKAP5L	2	20.1	6.7	13.4	-6.7
RAB4B	2	17.8	6.5	11.3	-4.8
PROSER3	0	10.9	5.4	5.4	0.0
CYP2S1	2	9.0	3.0	6.0	-3.1
AXL	3	32.9	23.9	9.0	14.8
LENG8	0	8.4	4.2	4.2	0.0
ZNF526	2	28.8	13.7	15.1	-1.4
TRAPPC9	2	16.4	5.4	11.0	-5.6
ZNF146	1	86.0	81.7	4.3	77.4
SPINT2	0	7.3	3.1	4.2	-1.0
C19orf33	0	5.5	2.1	3.4	-1.3
YIF1B	3	14.9	7.7	7.1	0.6
DAPK3	8	18.3	4.0	14.2	-10.2
EEF2	6	11.7	2.1	9.6	-7.5
CHAF1A	5	17.8	7.2	10.6	-3.3
UBXN6	8	19.0	4.1	14.9	-10.8
CTB-50L17	8	21.0	6.0	15.0	-8.9
SEMA6B	0	6.8	2.9	3.9	-1.0
ZNF444	4	30.8	8.6	22.2	-13.6
NXN	0	10.2	3.9	6.3	-2.4
FAM57A	0	10.6	4.3	6.3	-2.1
GLOD4	1	24.9	16.3	8.6	7.7
MFSD3	2	30.3	13.9	16.4	-2.5
KIFC2	0	6.4	2.9	3.5	-0.7
SLC43A2	4	14.6	3.9	10.7	-6.8
WDR81	2	18.4	5.9	12.5	-6.7
SRR	0	6.9	2.1	4.8	-2.6
TSR1	1	35.0	24.0	11.0	13.1
CYB5D2	0	13.5	6.5	7.0	-0.5
C19orf48	5	16.7	4.8	11.9	-7.1
ZNF83	1	10.1	5.7	4.4	1.4
KRT80	3	23.5	15.5	7.9	7.6
OTUB1	2	21.8	9.1	12.8	-3.7
CD320	8	15.7	3.0	12.6	-9.6
SPRYD3	2	13.1	4.7	8.4	-3.7
IGFBP6	3	11.3	4.3	7.1	-2.8
ZNF558	1	6.5	3.8	2.7	1.1
NDUFV1	0	11.8	5.8	6.1	-0.3
CDK2AP2	0	9.0	5.1	3.9	1.1
NUDT8	2	16.3	6.3	10.0	-3.7
PRDX2	0	8.2	3.3	4.9	-1.5
ZNF232	0	15.4	6.0	9.5	-3.5
MIS12	1	21.1	16.3	4.8	11.5
HID1	0	12.4	4.9	7.5	-2.6

ICT1	2	17.0	4.9	12.1	-7.2
ATP5H	0	11.2	4.6	6.6	-2.0
SRP68	0	9.3	3.6	5.7	-2.1
TK1	5	28.1	18.7	9.4	9.3
TMEM68	1	12.8	10.1	2.6	7.5
TMEM99	2	13.2	3.8	9.3	-5.5
GHDC	2	27.2	10.9	16.3	-5.5
FAM234A	0	8.6	4.2	4.4	-0.1
ZNF598	12	16.9	4.7	12.2	-7.6
MLST8	12	17.2	2.9	14.3	-11.5
E4F1	12	33.1	6.1	27.0	-20.9
ECI1	12	19.9	1.9	18.1	-16.2
KCTD5	12	15.4	3.1	12.4	-9.3
SRRM2	1	12.6	9.2	3.3	5.9
SDHAF2	2	18.0	7.5	10.6	-3.1
DDB1	0	15.4	6.6	8.8	-2.3
VPS37C	2	19.9	8.5	11.3	-2.8
FTH1	0	10.6	4.6	6.1	-1.5
BSCL2	0	11.8	4.6	7.2	-2.6
POLR2G	0	16.3	6.4	9.9	-3.6
SLC3A2	6	9.7	2.2	7.5	-5.4
C11orf84	0	20.3	8.3	12.0	-3.7
ATG16L2	0	8.1	4.0	4.1	0.0
C2CD3	0	9.9	3.9	6.0	-2.2
RPSA	8	14.9	1.8	13.1	-11.4
CTNNB1	1	14.3	10.4	3.9	6.4
FADD	8	11.4	1.4	10.0	-8.5
LTBP3	0	9.7	4.5	5.2	-0.7
SAC3D1	2	29.6	12.9	16.7	-3.8
SF1	0	11.1	5.6	5.5	0.1
MAP4K2	2	17.4	7.3	10.0	-2.7
SCARA3	0	7.7	3.3	4.4	-1.1
PBK	7	43.0	8.5	34.5	-25.9
COPS6	0	8.7	3.5	5.2	-1.7
PAFAH1B2	1	17.4	12.7	4.7	8.1
ANKS3	11	10.9	0.9	10.1	-9.2
NUDT16L1	12	31.9	2.6	29.3	-26.7
KIAA1586	1	22.0	15.7	6.4	9.3
RAB4A	0	9.6	3.4	6.2	-2.7
SETD5	1	36.7	31.4	5.3	26.2
VASN	0	12.1	5.7	6.5	-0.8
RNF187	2	14.1	4.6	9.5	-4.9
HOOK3	1	19.1	14.1	5.0	9.0
MAPK1IP1L	1	16.4	10.6	5.7	4.9
DDIT4	0	6.5	3.4	3.1	0.3
RBPJ	1	28.8	22.3	6.6	15.7
LMBRD1	0	8.8	3.0	5.8	-2.8
ZCCHC4	0	7.6	2.4	5.2	-2.9
TTC39C	0	7.2	3.3	3.8	-0.5
GLYCTK	4	34.1	21.3	12.8	8.6
UBTD2	1	12.1	7.5	4.6	2.9
POLR2J3	2	18.3	7.2	11.1	-3.9
NKIRAS2	0	16.1	6.3	9.9	-3.6
DNAJC7	1	69.3	64.0	5.3	58.7

IRF2BP2	0	9.3	4.5	4.8	-0.3
NT5DC2	1	6.6	3.9	2.7	1.3
SMIM4	0	9.1	4.1	5.0	-0.8
COA6	0	13.7	4.7	9.0	-4.3
BMI1	1	67.0	60.0	7.0	53.0
THAP11	2	30.5	14.7	15.8	-1.1
MMADHC	1	27.4	24.6	2.8	21.7
PDHB	1	12.7	8.8	3.9	5.0
PXK	0	7.4	2.6	4.8	-2.2
PCMTD1	1	14.4	11.3	3.1	8.1
KCTD6	0	10.0	2.7	7.4	-4.7
ACOX2	4	23.7	14.2	9.5	4.7
IRF2	0	4.8	1.7	3.1	-1.4
ARF4	1	8.4	4.9	3.5	1.5
2-Sep	1	14.4	8.1	6.3	1.7
FILIP1L	0	8.5	2.2	6.3	-4.0
DTYMK	5	23.9	13.4	10.4	3.0
TAP1	3	22.8	8.9	13.9	-4.9
ING5	0	10.9	4.7	6.2	-1.5
ATG4B	0	9.8	4.5	5.3	-0.8
MLKL	0	9.0	3.2	5.8	-2.5
RFWD3	0	13.1	5.6	7.5	-1.9
COG7	12	12.4	1.6	10.8	-9.2
CDC40	1	25.1	21.0	4.1	16.9
STIP1	5	18.3	4.8	13.6	-8.8
RAB31	1	7.4	4.0	3.4	0.6
REEP4	2	12.4	3.9	8.5	-4.6
BMP1	3	19.8	9.4	10.4	-1.0
ATXN2L	11	8.7	1.2	7.5	-6.4
POLR3D	0	11.0	5.4	5.6	-0.1
FEN1	5	27.1	16.2	11.0	5.2
MTCL1	3	15.1	7.3	7.7	-0.4
FNTA	1	15.3	11.0	4.2	6.8
SERINC2	0	20.0	7.3	12.7	-5.4
TRAPPC11	1	15.7	12.8	2.9	10.0
ING2	0	7.8	2.4	5.4	-3.0
CDKN2AIP	1	11.8	8.0	3.8	4.3
SNRNP48	1	22.9	18.9	3.9	15.0
TMEM223	2	39.3	20.7	18.5	2.2
SLC20A2	0	7.8	3.3	4.5	-1.2
TMUB2	0	17.6	6.4	11.2	-4.8
STAT3	3	13.6	5.5	8.0	-2.5
ZSWIM1	2	29.0	12.7	16.2	-3.5
ADAM9	1	20.5	14.8	5.7	9.1
NDUFS5	8	12.5	1.5	11.0	-9.5
TMEM208	2	21.4	10.3	11.1	-0.9
AHCYL1	1	12.4	7.5	4.8	2.7
DNAJC21	1	52.1	44.0	8.1	35.9
PKIG	0	12.1	5.4	6.8	-1.4
SEMA4C	0	18.8	8.9	9.9	-1.0
CNNM3	0	9.4	3.5	5.9	-2.5
GSTM4	0	9.5	4.1	5.3	-1.2
TCTN2	0	11.8	5.1	6.7	-1.6
PPIP5K1	0	9.8	4.0	5.9	-1.9

TSPAN5	3	14.4	6.1	8.2	-2.1
ZBTB5	0	11.4	5.0	6.4	-1.4
CHTF8	2	16.0	5.7	10.3	-4.6
ADAL	1	8.7	4.9	3.8	1.1
LCMT2	2	18.1	7.5	10.6	-3.1
SNTB2	0	8.2	4.0	4.2	-0.2
ZNF507	1	35.5	31.1	4.4	26.8
STX18	0	6.6	2.2	4.3	-2.1
GFM1	1	34.3	29.8	4.5	25.3
DDX19A	0	13.1	6.7	6.4	0.2
ATOH8	0	8.1	3.5	4.6	-1.1
ANKRD49	1	14.1	9.3	4.8	4.4
USP39	0	15.2	4.4	10.8	-6.5
TNIP2	0	10.5	4.1	6.5	-2.4
C2orf68	0	11.5	4.9	6.6	-1.6
TMEM150A	4	20.2	6.8	13.4	-6.6
RNF181	2	12.6	4.0	8.5	-4.5
VAMP5	0	12.8	4.7	8.1	-3.3
LRRC28	4	15.9	5.9	10.0	-4.1
MAT2A	1	13.1	9.2	3.9	5.3
ZNF608	0	11.9	3.4	8.5	-5.2
SLC35G2	0	6.4	2.8	3.6	-0.9
LETM1	8	15.8	2.4	13.4	-11.0
TMEM129	2	19.3	7.2	12.1	-5.0
PPIC	0	6.4	3.0	3.3	-0.3
CEP120	1	30.9	26.3	4.6	21.7
MFF	1	11.3	7.3	4.0	3.4
LGALS9	9	15.7	1.1	14.7	-13.6
PXDC1	3	17.9	9.9	7.9	2.0
E2F6	0	11.7	3.7	7.9	-4.2
FEM1B	1	25.0	21.6	3.5	18.1
COMMD8	1	29.0	21.4	7.6	13.8
ATP5I	0	11.4	4.5	6.8	-2.3
UQCRFS1	2	15.6	5.4	10.2	-4.8
MAP2K1	0	7.6	3.3	4.4	-1.1
HNRNPH1	1	123.9	118.7	5.2	113.5
IRS1	0	7.1	2.9	4.2	-1.4
MECP2	0	9.2	4.2	5.0	-0.8
UPF3A	1	12.6	9.1	3.4	5.7
DHRSX	2	11.7	3.3	8.5	-5.2
ASMTL	0	9.6	4.8	4.7	0.1
SLC25A6	0	7.7	3.1	4.7	-1.6
CHST14	0	9.8	5.1	4.7	0.4
CSNK1G1	0	6.4	2.6	3.8	-1.2
ATF5	2	11.7	4.0	7.7	-3.6
UBE2V2	1	77.9	73.2	4.6	68.6
ZBTB43	1	12.8	9.2	3.6	5.6
PCSK9	4	19.0	8.9	10.1	-1.2
XPO6	6	11.4	3.1	8.3	-5.2
APEX2	0	12.5	5.7	6.8	-1.1
NSMCE1	0	7.5	3.2	4.4	-1.2
CCDC126	0	5.8	2.3	3.4	-1.1
CD2BP2	11	24.7	5.6	19.1	-13.5
RGS14	0	17.0	5.4	11.6	-6.2

TBC1D10B	11	25.0	4.5	20.5	-16.1
LMAN2	0	14.4	5.4	9.1	-3.7
RAB24	2	17.2	6.7	10.5	-3.8
PRELID1	0	19.0	7.5	11.5	-4.0
THBS3	0	7.6	3.8	3.8	0.0
SLC50A1	9	16.8	3.0	13.8	-10.8
EFNA1	4	11.5	3.5	8.0	-4.5
ZRSR2	0	8.9	3.4	5.5	-2.2
NMD3	1	34.0	31.5	2.4	29.1
B3GALNT1	0	4.8	1.7	3.1	-1.4
GPRIN1	2	28.1	12.9	15.2	-2.2
MRPL1	1	42.2	32.3	9.8	22.5
PGM2	1	20.9	14.9	6.0	8.9
SLC33A1	0	10.4	3.4	7.0	-3.7
SNUPN	0	11.2	3.9	7.3	-3.4
CRADD	2	16.5	6.3	10.2	-3.8
SIN3A	0	8.1	3.0	5.1	-2.1
ARL13B	1	19.1	16.1	3.0	13.1
PTK2	1	40.6	37.0	3.6	33.4
PTPN9	0	6.5	3.2	3.3	-0.2
CXCL8	0	6.3	2.9	3.4	-0.5
SDC2	0	5.3	2.6	2.7	0.0
MMGT1	0	12.4	3.2	9.2	-6.0
TM2D2	0	7.1	3.0	4.1	-1.1
PLEKHA2	0	8.6	2.4	6.1	-3.7
CLIC4	1	25.5	19.5	6.0	13.4
PCBP1	2	13.9	4.0	9.9	-5.9
HINT1	6	18.1	5.5	12.6	-7.1
INO80E	11	18.4	4.2	14.2	-10.0
NFU1	1	47.7	37.7	10.0	27.7
ANTXR1	3	15.5	5.3	10.2	-5.0
CKAP2L	7	32.5	4.8	27.7	-22.9
C15orf40	0	8.6	2.6	6.0	-3.5
FAM103A1	4	10.8	3.0	7.9	-4.9
BOLA2B	2	26.0	11.2	14.8	-3.6
LUZP1	3	14.2	7.1	7.1	0.0
HEXDC	0	11.5	4.4	7.1	-2.6
BUB1	5	41.0	7.6	33.3	-25.7
SPNS1	11	20.7	2.1	18.6	-16.6
LRRC45	2	27.7	12.2	15.6	-3.4
CHRNA5	0	8.5	2.5	5.9	-3.4
STRA13	5	19.8	4.7	15.1	-10.3
AGPAT2	10	14.9	2.1	12.7	-10.6
ASPSCR1	0	10.9	4.5	6.4	-1.9
FASN	4	14.4	4.3	10.1	-5.8
CNBP	1	45.2	42.2	3.0	39.2
MT1E	3	12.3	5.6	6.7	-1.1
DUS1L	2	16.6	5.6	11.1	-5.5
GPS1	2	17.5	5.9	11.6	-5.7
RFNG	0	7.8	3.7	4.1	-0.5
DCXR	5	16.5	3.1	13.5	-10.4
ZNF32	0	11.7	5.4	6.3	-0.9
RAC3	2	13.4	5.3	8.1	-2.8
LIMS1	1	13.8	7.9	6.0	1.9

TAPT1	1	8.9	5.6	3.3	2.2
UGP2	1	88.6	83.6	5.0	78.5
HNRNPF	0	7.9	2.9	5.1	-2.2
BTD	0	8.2	3.8	4.4	-0.6
CSGALNACT	1	16.6	9.2	7.4	1.8
ROBO1	0	12.4	3.6	8.8	-5.2
AVEN	0	5.7	2.6	3.2	-0.6
TRIM56	3	11.5	4.4	7.0	-2.6
SYAP1	1	36.4	28.1	8.3	19.8
TPST1	0	7.0	3.7	3.3	0.4
TM4SF4	4	14.3	5.0	9.3	-4.2
TOR1AIP2	1	13.6	9.9	3.7	6.1
TM4SF1	0	10.0	4.9	5.0	-0.1
GUSB	0	10.2	3.8	6.4	-2.6
BRD3	0	10.4	4.8	5.6	-0.7
KLF13	4	11.0	2.7	8.3	-5.6
ZNF768	11	24.7	4.7	20.1	-15.4
TMEM42	2	26.8	7.4	19.4	-11.9
MAP3K2	1	16.0	13.0	3.1	9.9
PUSL1	2	33.9	17.8	16.0	1.8
SF3B5	2	13.7	4.9	8.8	-3.9
IFFO2	3	9.9	4.3	5.6	-1.3
NLGN2	0	10.1	5.5	4.7	0.8
CHD3	1	12.6	8.8	3.8	5.1
ALCAM	1	13.1	7.8	5.3	2.5
YWHAG	0	6.2	2.3	3.9	-1.6
UBE2E3	3	8.8	3.4	5.4	-2.0
CNTROB	0	8.8	3.4	5.4	-2.0
TRAPPC1	6	23.7	7.3	16.4	-9.1
SIMC1	0	11.3	4.1	7.2	-3.1
TMEM192	0	7.5	2.4	5.1	-2.8
SERPINA6	4	26.1	16.5	9.6	6.9
NIPA1	4	10.0	2.5	7.4	-4.9
UBE2E1	1	22.0	19.1	2.9	16.2
HNRNPA3	1	112.4	102.5	10.0	92.5
SIK2	0	7.5	3.8	3.7	0.0
CHRNB1	0	8.4	4.5	3.9	0.5
PWWP2A	1	10.7	7.3	3.4	3.8
USP47	1	72.5	64.9	7.6	57.3
PDCD6IP	1	74.4	69.0	5.4	63.6
ZNF212	2	25.0	11.4	13.6	-2.2
ZNF282	2	11.8	3.7	8.1	-4.4
GLB1	0	9.2	3.6	5.6	-2.0
C14orf142	1	12.4	7.4	5.0	2.3
CRTAP	3	10.2	3.4	6.8	-3.3
ELP5	4	10.7	2.2	8.5	-6.3
CMTM8	4	26.0	12.8	13.3	-0.5
GABARAP	0	9.1	5.0	4.1	1.0
STX8	0	7.7	3.6	4.0	-0.4
CDK1	5	53.9	9.0	44.8	-35.8
UBB	0	6.0	3.2	2.8	0.4
NFRKB	2	26.1	11.9	14.2	-2.3
B3GNT2	1	8.8	5.2	3.7	1.5
TMED10	0	8.9	3.3	5.6	-2.3

SETMAR	0	7.8	3.4	4.3	-0.9
SMAD1	1	7.0	3.9	3.1	0.8
SLC30A1	1	7.8	4.2	3.6	0.5
GPRC5C	4	12.4	3.7	8.7	-5.0
TMEM182	1	17.1	11.6	5.6	6.0
KRT8	0	9.6	5.2	4.3	0.9
ADORA2B	3	14.7	5.4	9.4	-4.0
MGMT	2	22.4	9.9	12.5	-2.6
METTL7B	4	36.9	22.4	14.5	7.9
HARS	0	10.6	4.1	6.5	-2.3
NFXL1	1	20.2	15.4	4.8	10.5
DENND5B	1	12.6	7.8	4.8	2.9
DNAJC18	1	15.8	9.9	5.9	4.0
C14orf169	2	35.1	18.3	16.8	1.5
SPATA24	2	21.9	10.1	11.8	-1.7
RALGAPB	1	32.3	28.1	4.2	23.9
PYM1	4	19.3	5.3	13.9	-8.6
NPAS2	0	7.3	3.3	4.0	-0.6
NUDT9	1	11.6	8.7	2.9	5.8
PA2G4	5	20.6	3.7	16.9	-13.2
ELOVL6	1	8.4	5.0	3.4	1.6
PFKFB3	0	7.4	3.0	4.3	-1.3
ARL6IP1	1	34.0	29.0	5.0	24.1
SMAGP	2	12.3	3.7	8.6	-4.9
CDH2	3	13.5	7.3	6.2	1.1
STAT2	0	9.3	4.7	4.7	0.0
NUDCD2	6	33.7	10.4	23.3	-12.9
IRF2BP1	2	33.7	16.3	17.4	-1.1
HSPA4	1	63.8	58.2	5.7	52.5
COMMD5	13	19.1	3.8	15.2	-11.4
ARMC10	0	8.4	3.0	5.3	-2.3
RNF34	0	12.5	3.8	8.7	-4.8
ACYP2	0	12.5	5.2	7.3	-2.1
TRABD	2	20.7	9.9	10.8	-0.9
ATF7	0	7.1	2.8	4.3	-1.4
SOCS6	0	5.4	2.1	3.4	-1.3
POLH	0	9.2	2.6	6.6	-4.0
KIF5B	1	131.4	122.8	8.6	114.3
AKAP13	0	9.7	3.2	6.5	-3.3
CDCA4	5	16.3	3.5	12.8	-9.3
CHCHD7	1	11.6	7.3	4.2	3.1
FOXN2	1	25.7	18.9	6.8	12.2
USP32	1	17.8	14.7	3.1	11.6
PPM1D	0	8.4	3.1	5.3	-2.2
KBTBD2	1	17.4	14.3	3.1	11.3
MINA	1	13.9	10.6	3.4	7.2
TRIAP1	0	12.7	4.4	8.3	-4.0
LSM3	0	10.7	4.4	6.3	-1.9
KIAA0232	1	10.6	7.2	3.4	3.8
MTSS1	4	10.0	3.3	6.6	-3.3
TMEM43	0	7.1	3.6	3.5	0.0
RNF139	1	7.5	4.2	3.2	1.0
RPS9	2	22.0	9.3	12.7	-3.4
TSEN34	2	14.2	4.6	9.7	-5.1

GSTA4	0	12.7	4.5	8.2	-3.7
MSANTD4	1	22.2	18.8	3.4	15.4
NDUFA3	0	6.5	2.9	3.6	-0.7
NUDT6	3	9.2	2.4	6.8	-4.4
TANC2	3	11.0	4.0	7.0	-2.9
DNAJC24	1	16.9	14.2	2.7	11.5
PRKCDBP	3	8.7	3.5	5.2	-1.7
TSNARE1	0	8.0	3.7	4.3	-0.6
FEZ2	1	14.4	8.0	6.4	1.5
C11orf24	0	6.6	3.2	3.4	-0.2
CCBL1	2	11.9	3.6	8.2	-4.6
TRMT61B	1	23.0	17.2	5.9	11.3
MFN1	1	71.0	66.2	4.8	61.5
ATP6V0E2	0	10.8	4.1	6.7	-2.7
JAGN1	4	13.9	3.5	10.4	-6.9
TADA3	0	11.6	4.7	6.9	-2.2
SOCS5	1	18.0	13.3	4.7	8.6
C1GALT1C1	1	9.6	5.3	4.3	1.1
C9orf16	2	20.4	7.0	13.4	-6.5
MORN4	0	11.7	5.4	6.2	-0.8
ZNF672	2	22.7	9.2	13.5	-4.3
ZNF692	2	13.0	4.0	9.0	-5.0
NAIF1	0	10.8	5.5	5.3	0.2
TMEM126A	7	14.9	1.5	13.5	-12.0
TMEM126B	1	20.7	15.8	4.9	10.8
TRIM8	3	12.9	5.1	7.9	-2.8
SCAND1	2	25.9	11.9	14.0	-2.0
JUNB	0	10.0	3.7	6.2	-2.5
C10orf35	0	10.5	4.8	5.8	-1.0
TMEM37	4	14.9	6.5	8.4	-1.9
UGT2B7	4	9.0	3.2	5.7	-2.5
SHCBP1	5	10.8	1.5	9.2	-7.7
FAM98B	6	64.7	7.6	57.1	-49.5
GAA	0	12.8	5.2	7.6	-2.4
CANT1	9	17.4	0.9	16.5	-15.6
ZDHHC16	0	14.4	7.1	7.3	-0.2
CHST11	3	11.0	4.3	6.7	-2.5
EXOSC1	0	12.3	5.8	6.5	-0.6
PGAM1	0	11.3	4.9	6.4	-1.4
CHD7	1	14.0	7.7	6.4	1.3
ESCO2	7	29.7	5.0	24.6	-19.6
KRT19	0	5.6	2.4	3.2	-0.8
MRPL36	10	9.1	0.8	8.3	-7.5
ZNF581	0	13.6	6.1	7.4	-1.3
KRT20	0	13.1	5.4	7.6	-2.2
ZNF524	2	39.6	19.0	20.6	-1.6
POLR1C	0	12.7	4.9	7.9	-3.0
ASXL1	1	16.1	9.1	7.0	2.1
ZNF562	0	8.8	3.5	5.3	-1.7
ZNF318	0	7.4	3.6	3.8	-0.2
ZNF561	1	14.3	10.2	4.1	6.1
WIPF2	0	19.1	8.4	10.8	-2.4
RSL1D1	1	75.7	70.1	5.6	64.5
LRRC8D	1	10.5	6.4	4.1	2.2

PPID	1	31.1	26.1	5.0	21.1
ETFDH	1	10.1	5.3	4.8	0.5
TBCA	1	18.6	11.7	6.9	4.8
BCL2L1	0	11.5	4.2	7.3	-3.1
FGG	4	16.6	9.5	7.1	2.4
FGA	4	21.0	13.6	7.4	6.2
FGB	4	12.7	6.0	6.7	-0.7
PLRG1	1	45.2	40.4	4.7	35.7
RAB4B-EGI	0	5.6	2.5	3.1	-0.6
ZNF584	2	21.9	8.8	13.1	-4.3
CLSTN1	3	12.8	5.3	7.5	-2.2
CXXC5	0	5.1	2.2	2.9	-0.7
ZNF274	0	7.8	3.1	4.7	-1.6
SLC25A33	2	26.9	10.2	16.7	-6.5
ENC1	3	7.6	2.5	5.1	-2.6
SPSB1	3	10.9	3.7	7.2	-3.6
BPTF	1	60.2	55.5	4.7	50.8
ATF7IP	1	17.3	12.7	4.6	8.0
RGS19	0	9.0	3.6	5.4	-1.8
TCEA2	0	9.7	4.4	5.2	-0.8
HDAC3	0	9.6	4.3	5.3	-1.0
GPHN	1	10.3	5.1	5.2	-0.1
TMEM51	2	16.8	4.6	12.2	-7.7
CAMTA1	0	7.3	2.7	4.5	-1.8
LGALS4	4	15.2	5.5	9.7	-4.3
PAH	4	19.8	11.6	8.2	3.4
SPATA5L1	4	12.6	2.7	9.9	-7.2
GATM	4	10.2	4.0	6.2	-2.1
RHNO1	5	17.7	5.1	12.5	-7.4
CTPS1	5	21.8	3.6	18.2	-14.7
METTL18	1	8.9	5.3	3.6	1.7
FBXL14	2	15.6	5.1	10.5	-5.4
EXOSC10	7	12.7	1.5	11.2	-9.7
MLLT3	0	5.4	1.6	3.8	-2.1
RRM2	5	27.7	18.7	8.9	9.8
TRAPPC12	0	7.4	3.1	4.3	-1.2
RPS21	0	14.3	4.7	9.7	-5.0
RNMTL1	2	23.7	7.2	16.5	-9.3
PTEN	1	17.8	13.8	4.0	9.8
RPS7	0	11.8	3.6	8.2	-4.6
RNASEH1	0	7.7	3.3	4.4	-1.0
PRNP	0	10.9	2.3	8.6	-6.3
TLN2	0	8.1	4.3	3.8	0.6
TVP23B	1	11.9	8.8	3.1	5.7
ZNF217	1	17.4	15.1	2.3	12.8
ATPAF2	0	10.2	3.9	6.3	-2.4
PPIH	5	15.3	3.6	11.6	-8.0
C20orf196	2	12.5	4.4	8.2	-3.8
JMJD1C	1	39.3	34.5	4.8	29.6
SYNPO	3	11.6	4.8	6.8	-2.0
THOP1	8	21.7	5.5	16.2	-10.7
LAMB2	1	9.4	5.4	4.0	1.4
USP19	0	12.6	6.2	6.4	-0.1
QARS	0	10.2	4.4	5.9	-1.5

ORMDL3	0	12.2	5.2	7.0	-1.9
KLF11	3	8.6	2.7	5.9	-3.3
SMN1	2	14.6	4.4	10.1	-5.7
EIF2AK3	1	17.0	13.8	3.1	10.7
MOB3A	8	17.1	3.0	14.1	-11.1
KRCC1	1	7.2	3.7	3.5	0.2
NME6	0	11.6	5.2	6.4	-1.2
CYCS	1	43.9	35.3	8.6	26.7
SNTB1	4	13.2	4.8	8.4	-3.6
MTBP	1	18.5	13.3	5.2	8.1
TEFM	1	14.4	10.3	4.0	6.3
MRPL13	1	31.8	24.4	7.5	16.9
MALT1	1	11.6	8.1	3.5	4.6
ISG20	4	11.2	2.9	8.3	-5.4
CEBPB	2	15.0	5.6	9.4	-3.7
PAIP1	1	19.3	16.0	3.2	12.8
ZNF131	1	41.9	36.7	5.2	31.4
DPAGT1	0	11.3	4.5	6.8	-2.3
BSG	8	15.6	5.8	9.8	-4.0
HINFP	0	15.3	6.5	8.8	-2.2
SPTLC3	4	7.2	2.5	4.7	-2.1
COPRS	0	13.2	5.9	7.3	-1.3
TP53RK	0	14.7	6.8	7.9	-1.1
BPGM	0	7.5	1.9	5.6	-3.7
POP7	2	24.7	8.5	16.2	-7.8
ALG14	0	6.6	2.3	4.3	-2.1
SUCLG2	0	8.9	3.6	5.3	-1.6
GNB2	3	12.5	4.3	8.2	-3.9
FAM195A	4	27.4	10.3	17.1	-6.7
C2CD2L	2	22.0	9.8	12.2	-2.4
GNG12	3	23.4	10.0	13.4	-3.3
CLP1	0	14.2	5.3	8.9	-3.6
MYEOV2	2	10.5	3.5	7.0	-3.5
GTPBP2	0	11.2	5.1	6.1	-1.0
FGGY	0	7.9	3.1	4.8	-1.6
TCEAL1	0	8.1	3.0	5.1	-2.1
ZNF24	1	31.1	27.8	3.3	24.5
AFF1	0	9.7	3.6	6.1	-2.4
FIBP	0	9.6	3.9	5.7	-1.8
BANP	2	28.6	13.4	15.2	-1.8
PPP1CA	0	15.0	7.7	7.4	0.3
HCFC1	0	17.4	5.8	11.6	-5.8
CHCHD1	0	13.6	4.8	8.7	-3.9
MRPL52	6	9.8	2.0	7.8	-5.9
RND1	4	8.5	2.4	6.1	-3.7
RAD9A	0	10.6	6.0	4.6	1.4
EFEMP2	0	8.4	4.0	4.4	-0.5
FAM21C	0	6.5	3.2	3.3	-0.1
TMEM134	0	10.4	5.1	5.3	-0.2
CORO1B	0	9.8	5.2	4.6	0.5
FUT10	0	8.5	2.9	5.6	-2.7
LRRC20	0	15.9	5.7	10.2	-4.5
MUS81	0	8.8	3.1	5.7	-2.6
CFL1	3	13.2	4.0	9.2	-5.2

TMCC1	1	11.1	5.4	5.8	-0.4
NAA16	1	16.1	12.0	4.1	8.0
FAM192A	6	10.9	1.8	9.1	-7.3
RAB43	2	29.1	10.0	19.0	-9.0
CBWD1	0	7.7	2.8	4.9	-2.1
DCP2	1	10.9	6.3	4.7	1.6
SNX32	6	31.8	8.2	23.6	-15.3
RPL38	0	9.2	3.3	5.9	-2.6
RARG	0	8.8	4.1	4.7	-0.6
SSH3	0	8.8	4.0	4.8	-0.7
CES2	2	13.7	5.6	8.1	-2.5
PDP2	0	11.2	5.3	5.9	-0.6
SP3	1	80.6	76.2	4.4	71.8
DMXL1	1	32.0	25.2	6.8	18.4
METAP1D	0	7.6	2.9	4.7	-1.9
ZNF621	1	10.5	6.2	4.2	2.0
EGFL7	0	8.4	3.4	5.0	-1.6
NADSYN1	0	8.8	3.5	5.3	-1.7
DHCR7	4	11.6	2.8	8.8	-6.0
RNASEH2C	2	17.3	6.6	10.7	-4.1
MYEOV	3	7.6	2.4	5.2	-2.8
ANKRD13D	0	10.0	5.9	4.2	1.7
MYD88	0	11.6	5.4	6.3	-0.9
OXSR1	1	12.5	9.4	3.1	6.4
PHF8	0	9.2	4.8	4.4	0.4
LCLAT1	0	6.1	2.2	4.0	-1.8
KAT5	0	9.5	4.4	5.1	-0.7
DCAKD	2	19.9	7.9	12.0	-4.1
TADA2B	8	13.1	2.2	10.8	-8.6
ADRBK1	0	7.4	3.7	3.8	-0.1
RELA	0	11.5	4.8	6.8	-2.0
HECTD4	0	7.5	3.2	4.3	-1.1
FAM222B	0	16.6	6.2	10.4	-4.3
COQ2	0	9.1	3.5	5.6	-2.1
TRMT112	0	10.1	4.5	5.6	-1.2
KDM2A	0	10.1	6.2	4.0	2.2
ADCK5	13	30.3	2.6	27.7	-25.1
MRPL57	2	23.5	9.8	13.7	-3.8
NOC3L	1	36.6	28.1	8.5	19.7
ESRRA	2	26.4	10.9	15.5	-4.6
RHOD	0	10.8	4.3	6.6	-2.3
COMMD1	0	10.0	4.0	6.0	-2.0
RAPH1	0	5.7	1.9	3.8	-1.9
MTX1	9	20.6	6.3	14.4	-8.1
PARP14	1	11.8	5.5	6.3	-0.8
CKS1B	5	29.0	18.7	10.2	8.5
AHSA2	1	20.1	16.7	3.4	13.3
ABLIM3	3	11.4	5.0	6.5	-1.5
VANGL1	3	10.1	3.4	6.7	-3.3
GLRX	0	7.6	3.3	4.3	-1.0
IQCB1	1	23.2	18.9	4.3	14.6
GOLGB1	1	25.2	21.7	3.6	18.1
GPR137	0	9.4	4.2	5.3	-1.1
SNCG	9	10.5	1.1	9.3	-8.2

MZT2A	2	13.6	4.6	9.0	-4.5
TNKS	0	9.0	4.8	4.1	0.7
MAP3K11	2	28.7	10.4	18.3	-7.8
TRIB1	4	9.3	3.1	6.3	-3.2
DAG1	0	8.7	4.4	4.3	0.1
ARV1	0	7.6	2.5	5.1	-2.5
NAA20	1	25.3	19.0	6.3	12.8
MINOS1	6	24.5	10.3	14.2	-3.9
EHBP1L1	3	15.8	5.0	10.8	-5.8
RNF26	11	23.3	1.8	21.5	-19.8
PPP1R14B	0	15.2	5.8	9.4	-3.6
SSSCA1	0	17.8	7.1	10.7	-3.6
SMARCC1	0	12.7	4.7	8.0	-3.2
PTPRM	3	7.8	2.6	5.3	-2.7
FKBP2	0	12.0	4.9	7.2	-2.3
VEGFB	0	6.7	3.4	3.3	0.1
PEAK1	0	9.8	4.1	5.6	-1.5
TNFRSF10D	0	8.5	4.3	4.1	0.2
MST1	4	16.7	6.4	10.3	-3.9
GMPPB	2	20.5	7.9	12.6	-4.7
ZNF622	2	14.4	5.2	9.2	-4.0
SNX33	0	15.0	5.6	9.4	-3.8
NABP1	3	18.5	6.2	12.3	-6.1
CHD2	1	47.3	43.8	3.5	40.3
CCDC106	0	11.9	5.6	6.2	-0.6
CEP83	1	36.9	28.3	8.7	19.6
NUDT4	0	10.1	2.8	7.3	-4.5
PC	4	7.9	2.0	5.9	-3.9
SLC19A1	3	8.9	3.0	5.8	-2.8
RCE1	0	14.8	6.1	8.6	-2.5
UQCRH	0	6.0	3.2	2.8	0.4
EIF1AX	1	69.9	56.3	13.6	42.6
PSMD1	1	43.9	37.6	6.2	31.4
MUC13	4	16.5	7.2	9.3	-2.0
HEG1	3	12.9	6.9	6.0	0.9
C11orf80	0	9.4	3.5	5.9	-2.4
TOMM20	1	78.6	66.2	12.4	53.8
AGFG1	1	19.8	15.5	4.3	11.1
STAT5B	0	6.4	2.8	3.5	-0.7
CNP	0	13.5	5.2	8.3	-3.0
JUP	0	12.3	5.1	7.2	-2.1
EIF1	0	8.8	3.9	4.9	-0.9
ENDOV	0	5.7	2.8	2.9	-0.1
RNF213	3	11.3	3.2	8.1	-5.0
PLK3	2	16.7	6.0	10.7	-4.7
NET1	1	8.5	4.8	3.7	1.1
DPY19L1	1	14.3	9.6	4.7	5.0
ZNF791	0	5.7	1.7	4.0	-2.3
PHC3	1	16.3	12.4	3.9	8.5
CBX2	0	13.7	4.9	8.8	-3.9
SPTBN2	0	9.4	4.1	5.3	-1.1
GOLIM4	1	18.1	14.0	4.1	9.9
RBM4B	0	10.1	5.7	4.4	1.3
USMG5	0	8.9	3.1	5.7	-2.6

3-Mar	0	5.7	2.5	3.1	-0.6
RBM4	0	9.9	5.1	4.7	0.4
XXYLT1	11	13.4	1.0	12.4	-11.4
UBXN2A	0	7.4	2.3	5.1	-2.7
CCS	0	12.2	7.0	5.2	1.8
FBXO45	1	11.9	5.9	6.0	-0.1
GNG5	0	8.6	3.3	5.3	-2.0
SLC25A30	1	9.2	5.7	3.5	2.3
CTSF	0	10.4	5.5	4.9	0.6
MSRB3	0	10.0	2.7	7.3	-4.6
LEMD3	1	14.5	7.9	6.6	1.3
C16orf91	12	26.7	6.4	20.3	-13.9
FAM174A	0	11.5	4.9	6.6	-1.7
ZDHHC24	2	29.1	13.7	15.5	-1.8
TRMT10C	1	44.0	39.1	4.9	34.3
CTU2	2	24.7	10.9	13.8	-2.8
MGA	1	27.9	23.0	4.9	18.1
PIGG	0	8.0	3.9	4.0	-0.1
PRPF8	0	12.2	4.6	7.6	-3.0
ADCY6	0	9.2	3.9	5.3	-1.5
PITPNA	0	8.2	3.2	5.0	-1.8
DDX23	0	11.1	4.3	6.8	-2.5
ZNHIT2	2	54.3	31.6	22.7	8.9
ZBTB4	0	13.6	6.4	7.2	-0.9
ZHX3	0	9.9	5.0	4.9	0.1
PHLDA3	3	8.1	2.4	5.7	-3.2
EXO1	7	25.0	5.3	19.7	-14.3
RALGAPA1	1	14.3	11.2	3.1	8.1
ATP2A2	0	12.8	4.3	8.5	-4.2
ZWILCH	7	78.2	9.5	68.7	-59.1
RPL4	1	11.2	7.0	4.1	2.9
SNAPC5	1	11.1	6.1	5.1	1.0
C12orf76	0	9.6	5.0	4.6	0.4
BBS1	0	12.2	6.6	5.6	1.0
DENND4A	1	14.5	8.9	5.6	3.3
PELI3	0	12.6	5.9	6.7	-0.8
MRPL11	5	18.2	3.6	14.6	-11.0
GOLT1A	4	29.7	12.3	17.5	-5.2
AKIRIN1	0	10.9	3.8	7.0	-3.2
MSL2	1	11.5	7.2	4.3	3.0
ANGEL2	1	13.3	9.5	3.8	5.7
IQCK	0	6.5	2.7	3.8	-1.1
ZNF266	0	5.7	2.0	3.7	-1.7
SLC29A2	0	12.7	4.8	7.9	-3.1
B4GAT1	0	15.3	6.5	8.8	-2.2
TMEM167A	1	62.8	55.0	7.9	47.1
SH3PXD2B	0	6.8	3.8	3.1	0.7
KIAA1551	1	19.4	13.4	6.0	7.3
LARP7	1	47.0	42.6	4.5	38.1
NR1D2	1	17.5	12.9	4.6	8.3
BRMS1	0	14.9	6.8	8.1	-1.3
RPL15	2	16.0	5.0	11.0	-6.0
HRAS	0	11.8	4.7	7.1	-2.3
SRP72	1	82.7	77.7	5.0	72.7

RIN1	3	18.0	5.2	12.8	-7.6
THAP6	1	17.8	13.6	4.2	9.4
PDZK1	4	19.4	11.7	7.8	3.9
DENND6A	1	11.5	7.1	4.4	2.6
PDE12	0	10.8	4.9	5.9	-1.0
GLMN	1	36.0	26.7	9.2	17.5
YIF1A	0	8.7	4.3	4.4	0.0
NDUFA11	8	22.0	8.9	13.1	-4.2
RSRC1	1	28.5	25.6	2.9	22.6
RAB1B	0	15.3	7.8	7.5	0.4
PTDSS2	2	11.7	3.5	8.2	-4.8
C19orf70	8	16.0	4.2	11.8	-7.5
SEZ6L2	11	10.6	1.4	9.2	-7.8
ASPHD1	11	14.8	1.3	13.5	-12.2
KCTD13	11	16.0	2.7	13.3	-10.5
DHX36	1	94.2	85.0	9.2	75.8
FBXW8	0	10.9	4.7	6.3	-1.6
KLC2	0	9.3	4.4	4.9	-0.5
CTBP2	0	6.1	2.2	3.9	-1.8
ZDHHC14	2	15.6	4.7	11.0	-6.3
ATR	1	30.3	26.0	4.3	21.7
UBE2C	5	25.7	16.1	9.6	6.5
GK5	1	13.2	9.5	3.7	5.8
MRPS22	1	24.5	19.8	4.8	15.0
PACS1	3	11.6	4.1	7.5	-3.4
MARCKSL1	0	10.9	4.2	6.7	-2.5
SH3BP5L	8	15.3	2.5	12.8	-10.3
PSMD2	3	9.7	3.6	6.1	-2.6
FAM131A	2	18.3	7.3	11.0	-3.7
CSRP2	0	10.4	3.4	7.0	-3.6
PARL	0	13.0	5.3	7.7	-2.4
DDIT3	0	6.5	3.0	3.6	-0.6
PCCA	1	8.5	5.2	3.2	2.0
DCTN2	0	7.6	3.0	4.6	-1.6
ZNF408	2	43.5	21.7	21.8	-0.1
CTDSP2	0	10.7	5.9	4.9	1.0
CKAP5	1	97.3	84.4	12.9	71.5
ARHGAP1	0	17.5	6.5	11.0	-4.5
MED16	8	13.1	3.9	9.2	-5.3
ATG13	0	7.5	3.3	4.2	-0.8
TP53I11	0	6.6	3.1	3.5	-0.4
APITD1	0	7.4	3.0	4.4	-1.4
DOLK	10	29.2	5.9	23.3	-17.4
CCNE2	7	13.4	1.7	11.7	-10.0
PHYKPL	0	10.3	3.8	6.6	-2.8
LSM1	1	11.4	7.6	3.8	3.8
BANF1	5	11.1	2.9	8.1	-5.2
TMEM9B	1	6.2	3.0	3.2	-0.2
PTPN2	1	30.7	26.1	4.6	21.4
EIF1AD	0	10.5	4.6	5.9	-1.3
SMAD2	0	13.0	2.6	10.3	-7.7
EIF3F	8	13.5	1.7	11.8	-10.1
CLTB	0	12.1	4.1	8.0	-3.9
CCDC14	1	54.8	49.4	5.3	44.1

SART1	0	9.0	3.8	5.1	-1.3
PPP2R2D	0	12.4	6.0	6.4	-0.4
MCTP1	0	6.6	2.1	4.5	-2.5
POLD4	3	17.3	6.6	10.6	-4.0
CLCF1	3	11.7	5.1	6.6	-1.5
DRAP1	3	18.0	9.4	8.5	0.9
C11orf68	3	19.1	7.6	11.5	-3.9
PAAF1	2	12.0	4.4	7.6	-3.2
MRPL48	1	14.5	7.4	7.1	0.3
RAB6A	1	22.1	18.9	3.2	15.7
FOSL1	3	29.0	19.1	9.9	9.1
SUGCT	0	7.5	3.4	4.1	-0.8
CCDC85B	2	20.9	7.3	13.6	-6.3
TMEM70	0	11.4	3.2	8.2	-5.0
RPS6KB2	0	12.3	6.2	6.1	0.1
RMI2	0	8.9	3.2	5.7	-2.5
TOM1L2	3	14.4	4.5	9.9	-5.4
LINC00116	2	11.6	3.5	8.1	-4.6
B3GNTL1	0	8.9	3.3	5.5	-2.2
MLXIP	0	9.6	4.7	4.9	-0.2
NR2F1	0	5.3	2.6	2.8	-0.2
AURKAIP1	2	20.5	8.2	12.3	-4.0
TOMM5	0	11.6	4.0	7.6	-3.6
SLC35E3	6	14.5	3.1	11.4	-8.3
RUVBL1	0	12.4	4.9	7.5	-2.7
SFN	0	10.6	3.8	6.8	-3.1
MSRA	2	16.1	5.6	10.5	-4.9
CTDNEP1	0	8.1	3.4	4.7	-1.3
ETV4	4	14.7	5.2	9.5	-4.3
SWI5	10	9.6	1.1	8.5	-7.4
BAIAP2	0	6.2	2.3	3.9	-1.6
PLEKHF2	1	8.0	4.3	3.8	0.5
A2M	4	12.0	4.2	7.7	-3.5
ARL4D	0	7.4	2.9	4.5	-1.6
UBE2O	0	9.4	4.8	4.7	0.1
ORAI3	11	25.3	3.0	22.3	-19.3
UNC119B	0	17.4	6.6	10.8	-4.2
TUBB6	0	7.3	3.2	4.1	-0.9
LYSMD3	1	24.8	21.2	3.6	17.7
B3GALT6	2	33.6	17.3	16.2	1.1
NUPR1	0	7.6	3.8	3.8	0.0
TPRN	2	14.4	4.6	9.7	-5.1
SLC35A4	0	10.1	4.5	5.6	-1.1
IP6K1	0	10.7	6.1	4.6	1.4
SSNA1	10	23.6	7.8	15.8	-8.0
CSTF3	1	23.8	17.6	6.2	11.4
YES1	1	29.2	26.4	2.8	23.6
CHMP6	0	10.2	3.8	6.3	-2.5
DLEU1	0	9.6	3.3	6.3	-3.0
TMEM39A	0	9.6	5.1	4.6	0.5
TCP11L1	0	6.9	2.7	4.2	-1.5
GPX2	4	24.3	13.2	11.0	2.2
CCDC57	0	7.0	3.4	3.6	-0.2
SPHK1	0	7.6	2.9	4.7	-1.8

BNIP3	0	6.2	2.7	3.5	-0.7
SMIM19	0	6.6	2.3	4.3	-2.0
RTTN	0	7.7	3.3	4.5	-1.2
ANAPC2	10	23.8	6.0	17.8	-11.7
ZBTB80S	1	48.7	41.4	7.4	34.0
COX8A	2	18.8	7.2	11.6	-4.3
ZSCAN2	4	18.9	4.6	14.3	-9.7
CDC26	0	10.1	3.2	6.9	-3.7
CRLF3	7	16.4	2.0	14.4	-12.4
RNPEP	0	8.9	3.6	5.3	-1.7
EID2	0	10.1	4.0	6.0	-2.0
KCMF1	0	6.9	1.9	5.0	-3.2
SPRYD4	2	23.9	11.1	12.7	-1.6
CLK2	9	8.2	1.3	6.9	-5.6
LPCAT4	0	8.3	3.6	4.7	-1.1
WDR25	0	10.0	4.5	5.5	-1.1
SGF29	11	18.9	1.5	17.3	-15.8
PLA2G16	0	6.9	3.0	4.0	-1.0
PHLDB3	2	13.3	4.4	8.9	-4.5
B3GNT5	0	7.1	2.9	4.2	-1.3
LMNB2	5	18.6	6.1	12.5	-6.5
RMDN1	1	19.0	15.9	3.1	12.8
MEX3C	1	10.7	6.7	4.0	2.7
MYO1D	0	7.2	3.1	4.0	-0.9
ACSF3	0	10.9	5.2	5.7	-0.5
BOK	0	13.2	5.2	8.0	-2.7
C8orf59	1	22.8	19.5	3.3	16.2
RUFY1	0	6.5	2.5	4.0	-1.5
BASP1	0	8.5	2.9	5.6	-2.7
VSIG10	4	13.3	3.8	9.5	-5.8
METRNL	0	9.5	3.8	5.7	-1.9
FAM91A1	1	26.6	23.4	3.3	20.1
WSB2	0	9.8	4.3	5.4	-1.1
TYMS	5	22.0	13.3	8.8	4.5
PXMP2	2	15.6	5.0	10.6	-5.5
PNMA1	0	8.8	4.2	4.6	-0.4
C8orf4	0	7.0	2.2	4.9	-2.7
ANKLE2	1	14.8	9.6	5.3	4.3
THAP4	0	13.6	5.7	7.9	-2.2
NFATC2IP	11	10.0	1.3	8.7	-7.5
FAM89B	2	30.1	11.8	18.3	-6.4
SHMT1	0	12.8	3.7	9.1	-5.4
DPP7	0	11.5	4.3	7.2	-2.9
SEC24C	0	10.9	5.8	5.1	0.7
SMCR8	0	10.4	4.3	6.0	-1.7
MTHFR	2	19.1	6.6	12.6	-6.0
DEAF1	0	8.4	3.6	4.8	-1.2
MTX3	1	32.2	28.4	3.9	24.5
TMEM80	0	12.1	5.2	6.8	-1.6
FBXO46	2	13.6	4.9	8.7	-3.8
ZDHHC13	1	9.7	6.3	3.4	2.9
SLC38A9	1	10.3	7.4	3.0	4.4
WDR73	0	11.2	4.3	6.8	-2.5
POLE	5	14.8	3.8	11.0	-7.2

RHOG	3	16.8	5.5	11.3	-5.8
EPS8L2	0	9.9	3.8	6.1	-2.3
ANO6	1	18.7	15.1	3.5	11.6
FAM210A	0	6.8	2.4	4.3	-1.9
TALDO1	0	8.7	3.8	4.9	-1.1
ULK1	0	8.2	4.3	3.9	0.4
RPS6KA3	1	31.8	27.5	4.3	23.2
PUS1	2	26.4	8.9	17.6	-8.7
CHD9	1	17.0	13.4	3.6	9.9
PDDC1	0	10.9	4.2	6.7	-2.5
MAN1B1	10	15.3	2.4	12.9	-10.5
TOP3A	0	9.7	4.6	5.1	-0.5
CASKIN2	2	18.5	5.8	12.7	-6.9
ZBTB38	1	23.7	17.6	6.1	11.6
CCDC71	2	27.8	13.5	14.3	-0.9
TIMM22	2	29.2	12.8	16.3	-3.5
PPFIA3	0	10.6	4.6	6.0	-1.4
MAGEF1	0	13.3	5.7	7.5	-1.8
PAWR	1	21.9	16.2	5.7	10.4
TGIF1	0	4.8	2.0	2.8	-0.8
MIEF2	2	18.2	6.4	11.7	-5.3
NR2C2	0	13.4	4.7	8.7	-3.9
PTRF	3	19.5	12.8	6.7	6.1
ARIH2	0	12.7	6.0	6.7	-0.7
ZBTB33	1	20.2	17.3	2.8	14.5
SLC25A22	2	15.6	6.0	9.6	-3.7
RABEP2	2	21.4	7.8	13.6	-5.9
ATOX1	0	8.1	3.7	4.4	-0.7
TBL1XR1	1	69.8	64.3	5.5	58.8
C18orf32	0	11.0	4.8	6.2	-1.5
PIDD1	2	19.1	7.2	11.9	-4.6
RPLP2	0	7.0	2.3	4.6	-2.3
JUN	3	14.7	7.8	6.9	0.9
CSTF2T	0	6.5	3.0	3.4	-0.4
GBA	9	9.9	1.1	8.8	-7.7
ACAD9	0	10.8	4.0	6.7	-2.7
IL17RA	2	15.9	4.7	11.2	-6.5
PNPLA2	0	13.1	4.9	8.1	-3.2
AGTRAP	0	14.4	6.2	8.2	-2.0
THAP5	1	28.2	25.4	2.9	22.5
CRACR2B	2	16.2	6.5	9.7	-3.2
CD151	3	17.9	9.0	8.9	0.0
POLR2L	0	9.2	3.4	5.7	-2.3
FAM20C	0	7.2	2.8	4.3	-1.5
PVRL3	1	17.4	13.2	4.2	9.0
TMEM94	0	7.4	3.8	3.5	0.3
FLII	6	12.5	3.5	9.1	-5.6
SOX12	0	14.0	6.4	7.6	-1.3
HNRNPA0	8	18.7	2.3	16.4	-14.2
CHID1	0	10.2	4.6	5.6	-1.0
SVBP	6	12.9	2.8	10.1	-7.3
AP3S1	1	71.0	59.0	12.0	47.0
GRB2	0	12.7	5.5	7.2	-1.7
UBE2N	1	42.6	30.6	11.9	18.7

ARL6IP6	6	24.0	4.0	20.0	-16.0
BET1L	0	10.9	4.5	6.4	-1.9
RPS27	9	7.5	1.4	6.1	-4.8
RIC8A	3	14.1	4.7	9.4	-4.7
IMP3	4	24.6	6.5	18.1	-11.6
ASB8	1	9.7	4.5	5.1	-0.6
DMAP1	0	9.6	4.7	4.9	-0.3
IMPDH2	0	11.6	5.2	6.4	-1.2
NDUFAF3	0	9.4	4.4	5.0	-0.7
C2orf69	1	27.4	21.6	5.8	15.9
STAP2	4	17.0	4.4	12.6	-8.1
BOLA1	9	26.7	3.6	23.1	-19.5
PDE4DIP	0	7.1	2.7	4.4	-1.7
DDX10	1	14.3	8.6	5.6	3.0
NDUFV2	0	7.9	3.1	4.8	-1.8
DALRD3	0	9.0	4.4	4.6	-0.1
LCORL	1	8.8	5.4	3.4	2.0
SH2B1	11	12.3	1.6	10.7	-9.1
KDELC2	1	11.3	6.7	4.5	2.2
PLEC	3	19.7	10.5	9.2	1.3
GALNT11	0	6.1	2.7	3.4	-0.6
WDR6	0	8.7	4.7	4.0	0.6
GEN1	1	21.5	16.9	4.7	12.2
TMEM11	2	17.9	7.0	10.8	-3.8
ZFAND2A	0	9.6	3.3	6.4	-3.1
FAM220A	0	6.9	1.8	5.1	-3.3
DNAJC22	4	22.7	13.9	8.8	5.0
NT5DC1	1	9.3	5.4	3.9	1.5
GLDC	4	20.7	8.2	12.6	-4.4
COX14	2	16.9	5.9	10.9	-5.0
P4HTM	3	11.2	3.9	7.4	-3.5
CTXN1	2	23.3	8.4	14.8	-6.4
SLC25A20	4	24.5	10.0	14.5	-4.4
CTNNBIP1	0	10.2	5.5	4.7	0.8
GTPBP6	2	11.4	4.0	7.4	-3.4
ERN1	0	15.6	5.6	9.9	-4.3
PARP10	3	21.1	7.1	14.0	-6.8
SUZ12	1	57.4	48.5	8.9	39.6
GRINA	13	10.2	1.3	8.9	-7.6
COX5A	4	18.5	6.5	12.0	-5.6
FAM219B	0	8.8	4.2	4.5	-0.3
ZHX2	4	13.8	4.7	9.1	-4.4
MPI	0	15.4	5.6	9.8	-4.2
OPLAH	2	22.6	9.0	13.6	-4.6
TMEM139	2	12.0	3.7	8.3	-4.6
MSC	0	8.1	2.7	5.4	-2.7
EXOSC4	13	24.1	3.7	20.4	-16.7
DPY19L3	1	21.4	17.9	3.4	14.5
TAF7	1	7.2	4.2	3.0	1.2
PFAS	0	14.0	5.8	8.2	-2.4
HYI	3	16.2	7.5	8.7	-1.2
C17orf62	0	7.7	3.8	3.9	-0.1
GAK	8	15.0	2.6	12.4	-9.7
ZBTB7A	8	37.8	5.7	32.1	-26.4

TUFM	0	12.1	4.5	7.6	-3.1
RMI1	7	25.6	5.5	20.1	-14.6
CTC1	0	11.4	4.2	7.2	-3.1
FBXO34	0	7.4	3.2	4.1	-0.9
SEPW1	0	5.5	3.0	2.4	0.6
EIF3K	0	8.8	4.0	4.8	-0.7
MRFAP1L1	1	17.2	13.6	3.5	10.1
SNX18	0	7.9	3.5	4.4	-0.9
AURKB	5	23.5	11.6	12.0	-0.4
MRFAP1	0	8.5	3.2	5.2	-2.0
C3orf38	1	13.2	10.1	3.1	7.0
TMEM107	0	12.2	5.4	6.8	-1.5
RRS1	0	12.2	4.1	8.1	-4.1
RCC2	0	10.7	4.7	6.0	-1.3
DPM3	0	14.0	4.6	9.5	-4.9
CYC1	13	20.1	3.7	16.5	-12.8
FARSA	8	24.8	9.2	15.6	-6.4
SPTY2D1	1	15.9	12.5	3.4	9.1
SAMD4B	0	8.5	4.8	3.7	1.1
EDC3	0	9.5	3.2	6.3	-3.1
TCAIM	1	11.2	6.0	5.2	0.8
FUCA1	0	7.7	3.3	4.4	-1.1
ZNF664	1	27.6	23.6	4.0	19.7
CALR	0	10.3	4.6	5.7	-1.0
MAGED1	0	6.9	3.5	3.4	0.0
LDLRAD3	0	8.1	3.5	4.6	-1.2
RAD23A	8	14.3	4.7	9.6	-4.8
GADD45GIP	8	29.2	10.9	18.3	-7.4
PTPN11	1	59.4	54.8	4.5	50.3
CLK3	2	12.9	4.0	8.9	-4.9
GATA2	2	17.1	6.8	10.3	-3.5
ARID3B	0	15.4	6.7	8.7	-2.0
PACS2	0	9.6	5.1	4.5	0.7
ELMOD2	1	14.5	11.2	3.3	7.9
VWA1	4	12.3	3.2	9.2	-6.0
GEMIN4	2	19.8	6.5	13.4	-6.9
FJX1	0	15.0	5.9	9.1	-3.2
ZBTB18	3	15.8	8.2	7.6	0.6
SHARPIN	13	12.8	2.8	9.9	-7.1
GCC1	0	8.2	3.8	4.4	-0.5
CDC42EP4	2	17.9	4.4	13.5	-9.1
MAF1	13	12.2	3.7	8.5	-4.9
PCED1B	0	7.2	2.4	4.8	-2.3
APOBEC3B	0	8.3	3.0	5.3	-2.3
MYADM	0	6.5	3.0	3.5	-0.5
MROH1	13	23.2	2.5	20.7	-18.2
SERTAD2	7	8.9	1.0	7.9	-6.9
CITED4	2	22.7	9.0	13.7	-4.7
PDXDC1	0	11.8	3.2	8.6	-5.4
R3HDM2	1	11.1	6.3	4.8	1.4
SEPHS2	4	20.5	8.3	12.1	-3.8
C14orf119	6	10.4	2.1	8.3	-6.1
FIZ1	2	30.3	12.3	18.1	-5.8
PUF60	13	15.2	4.2	11.0	-6.8

DCTPP1	5	16.0	3.1	12.9	-9.8
PSTK	0	8.2	3.9	4.3	-0.4
SOCS4	1	24.9	21.6	3.3	18.3
ZADH2	0	7.4	3.5	3.9	-0.5
ZNF48	11	24.3	2.7	21.6	-18.9
TMEM86B	4	14.0	3.6	10.3	-6.7
TRNAU1AP	0	10.5	5.1	5.4	-0.4
EXOC3	0	9.7	4.3	5.3	-1.0
MED14	1	17.3	12.4	4.9	7.5
FAHD1	12	7.8	1.2	6.6	-5.3
RCC1	0	15.1	6.0	9.0	-3.0
F2	4	25.1	15.3	9.8	5.5
PRKRA	1	13.5	9.2	4.3	4.8
FGD6	1	8.5	5.6	2.9	2.8
OAZ2	0	6.8	3.8	3.0	0.8
CCDC43	1	21.6	16.7	4.9	11.8
FZD2	3	16.4	7.9	8.6	-0.7
ZNF609	0	11.9	5.9	6.0	-0.1
PAK2	1	16.3	10.9	5.4	5.5
CCDC66	1	24.1	20.2	3.9	16.3
MCFD2	1	19.3	16.6	2.7	13.9
HMHA1	2	20.1	7.8	12.3	-4.6
FAM73A	1	20.6	17.9	2.8	15.1
NRIP1	1	10.3	8.0	2.3	5.7
HIST1H2AC	0	7.2	4.1	3.1	1.0
PCGF5	7	10.9	1.0	9.8	-8.8
YOD1	1	19.8	16.1	3.7	12.5
TMEM64	1	12.3	8.4	4.0	4.4
GPR157	0	7.0	3.3	3.6	-0.3
SLC36A4	0	5.7	2.1	3.6	-1.5
ZDHHC20	1	40.5	36.1	4.4	31.7
ARSJ	3	10.3	4.7	5.6	-0.9
PPA1	5	17.7	3.4	14.3	-10.9
PSMG4	2	18.0	6.5	11.5	-5.1
SSR4	0	12.3	5.7	6.6	-0.9
CUEDC1	3	10.0	4.5	5.5	-1.0
SCRIB	13	16.1	3.4	12.6	-9.2
KCTD2	2	16.6	6.0	10.6	-4.5
D2HGDH	0	7.6	3.2	4.4	-1.2
CMTR2	1	12.8	9.5	3.3	6.2
FAM83H	4	31.8	8.5	23.3	-14.8
ST20	0	8.4	3.0	5.4	-2.4
PITPNB	1	15.6	9.9	5.6	4.3
TCEAL8	0	5.9	2.4	3.5	-1.1
LRRC57	0	6.5	2.3	4.2	-2.0
MRPL14	2	12.9	4.2	8.7	-4.4
NQO1	1	8.7	5.4	3.3	2.1
AEN	2	17.2	6.0	11.2	-5.2
FKRP	0	15.5	7.4	8.0	-0.6
TRAPPC5	8	19.0	6.0	13.1	-7.1
RPH3AL	0	12.8	4.6	8.2	-3.6
METTL23	0	9.7	4.3	5.5	-1.2
SLC26A11	0	11.0	4.1	6.9	-2.8
HIGD1A	1	16.7	12.7	4.0	8.7

EHMT1	10	13.5	2.6	10.9	-8.2
F2R	3	11.7	4.5	7.2	-2.7
ZNF707	13	16.7	2.9	13.8	-11.0
NPM1	1	73.3	65.4	8.0	57.4
PJA1	0	9.3	4.7	4.6	0.1
DHTKD1	0	8.5	2.1	6.5	-4.4
ZNF746	2	13.0	4.8	8.2	-3.3
POLR2A	0	10.4	5.4	5.0	0.4
FRAT2	4	28.8	11.0	17.9	-6.9
ZNF322	1	16.4	13.3	3.0	10.3
LRRC75A	0	10.7	4.8	6.0	-1.2
OGFOD3	0	11.6	4.8	6.8	-2.0
TMEM45A	0	6.2	2.2	3.9	-1.7
RAP2B	0	9.5	3.8	5.7	-1.9
ZBTB2	1	9.9	6.6	3.3	3.4
ACBD4	2	20.7	7.9	12.9	-5.0
SGSH	0	9.3	3.6	5.6	-2.0
SETD2	1	41.8	38.7	3.2	35.5
MEX3D	8	26.9	6.6	20.2	-13.6
MRPS23	0	11.6	4.1	7.6	-3.5
ZFP41	13	14.6	2.2	12.5	-10.3
PHLDA2	3	23.4	6.9	16.5	-9.6
HKR1	0	7.5	3.3	4.2	-0.9
YIPF6	1	21.4	16.1	5.3	10.8
C3orf58	1	8.1	5.0	3.1	1.9
C5orf30	0	8.2	2.4	5.9	-3.5
SIAH2	0	9.6	3.9	5.7	-1.8
COPG1	0	7.9	4.1	3.8	0.3
LSM10	2	22.2	9.0	13.3	-4.3
RELL1	0	7.1	3.2	3.9	-0.7
SLC35C1	2	19.6	5.7	13.9	-8.2
RNF41	0	11.0	5.5	5.4	0.1
ZNF101	0	10.5	4.5	6.0	-1.5
C5orf24	1	46.0	40.9	5.1	35.9
ADO	3	10.1	2.9	7.2	-4.3
COA4	2	20.0	8.3	11.8	-3.5
PRKAG1	0	6.7	2.4	4.3	-1.9
GINS3	0	12.1	4.3	7.8	-3.4
MRPS11	4	11.4	2.6	8.8	-6.2
SNRPE	1	72.6	58.9	13.7	45.2
CHST15	3	10.0	3.6	6.4	-2.9
IDH2	4	7.1	2.1	5.0	-3.0
TMEM259	8	13.1	5.0	8.1	-3.1
WRB	0	8.2	2.4	5.8	-3.5
TNRC18	0	12.9	6.3	6.6	-0.3
DEXI	12	14.2	1.5	12.7	-11.1
NOP10	0	10.1	3.5	6.6	-3.0
FAM89A	2	12.2	3.9	8.3	-4.4
TDRKH	9	9.3	2.3	7.0	-4.8
IST1	0	10.2	5.7	4.5	1.3
ERCC6L2	1	32.6	28.6	3.9	24.7
MRPL41	10	32.6	5.9	26.7	-20.9
CREB3L2	0	6.9	3.2	3.7	-0.5
TSEN54	0	13.5	4.7	8.8	-4.1

UBA7	3	16.8	5.0	11.8	-6.7
MRPS16	0	13.4	6.2	7.3	-1.1
RAD51B	0	6.2	2.0	4.2	-2.2
ARL6IP4	0	9.3	4.0	5.3	-1.3
EXT1	3	17.0	11.0	6.0	5.0
SHMT2	0	12.2	4.5	7.7	-3.2
MOB2	8	24.8	3.6	21.2	-17.6
ATP6AP2	1	30.3	25.0	5.3	19.6
CYB5D1	0	12.3	5.2	7.1	-1.9
BACE2	3	12.8	6.1	6.8	-0.7
UBE2E2	1	9.0	4.4	4.6	-0.2
AP1S2	1	17.8	9.5	8.3	1.3
C8orf33	13	11.7	2.4	9.4	-7.0
FBXL6	13	21.6	2.2	19.4	-17.2
C1S	3	13.1	4.0	9.0	-5.0
YBEY	0	9.6	3.8	5.9	-2.1
CLN8	0	9.1	3.8	5.3	-1.6
PLCXD1	4	9.5	2.7	6.8	-4.1
TRAPPC6B	1	24.3	21.4	2.9	18.5
NPLOC4	0	9.5	3.0	6.6	-3.6
CAPN12	3	8.2	2.6	5.7	-3.1
EXOC7	0	9.9	4.9	5.0	0.0
KPNA2	5	31.4	19.6	11.8	7.7
GLRX5	0	11.3	4.6	6.8	-2.2
FAM104B	0	9.5	3.7	5.7	-2.0
MXRA7	3	14.4	6.5	7.9	-1.3
LIMK2	4	15.4	2.8	12.5	-9.7
MFSD5	2	14.5	4.7	9.8	-5.1
ADI1	0	8.0	2.9	5.1	-2.3
RWDD4	1	9.0	5.2	3.8	1.4
TRAK1	0	8.5	4.5	4.0	0.5
PLCB1	1	13.5	7.9	5.6	2.2
SKA2	7	46.9	6.4	40.5	-34.1
TTC3	1	55.4	51.9	3.5	48.4
TSKU	0	10.3	4.6	5.7	-1.1
CMC4	2	17.8	6.0	11.8	-5.9
ANXA2	3	13.2	7.1	6.1	1.0
NGRN	4	11.5	3.1	8.5	-5.4
RPS17	0	6.9	2.8	4.1	-1.2
CRIP2	0	8.3	3.7	4.6	-0.9
DDX28	2	49.0	28.0	21.1	6.9
ACBD3	1	32.2	28.9	3.4	25.5
C16orf72	1	9.9	6.8	3.1	3.6
ALG12	0	10.2	4.6	5.6	-1.0
COL18A1	3	9.5	4.2	5.3	-1.1
RBM10	2	20.9	8.9	12.0	-3.2
RPL35A	0	8.8	3.7	5.1	-1.4
ZNF721	1	12.5	6.6	5.8	0.8
C11orf54	1	11.4	6.5	4.9	1.6
CEP63	1	27.5	21.1	6.4	14.6
SRPRA	0	9.7	4.6	5.2	-0.6
EWSR1	1	11.0	6.0	5.0	0.9
HMGN4	0	7.9	2.3	5.6	-3.3
SPATA13	4	8.6	2.3	6.3	-4.0

GJC1	0	7.7	2.7	5.1	-2.4
CNOT10	1	36.2	29.2	7.0	22.2
MTA1	0	10.2	4.4	5.8	-1.3
CADM1	3	12.2	3.6	8.6	-5.1
PYCR1	0	5.5	2.1	3.4	-1.2
NAA38	0	7.8	3.0	4.8	-1.8
AP2A2	6	9.3	1.9	7.4	-5.4
SLC25A10	12	22.0	1.1	20.9	-19.9
LYSMD4	4	14.8	5.3	9.5	-4.2
AFMID	4	20.2	7.3	12.9	-5.6
GAS6	3	16.9	8.8	8.0	0.8
GPC6	0	6.7	2.9	3.8	-0.9
CEP57L1	7	14.9	2.6	12.3	-9.7
RABIF	2	14.1	4.9	9.3	-4.4
SMDT1	0	8.7	4.1	4.6	-0.5
RUVBL2	0	16.0	6.4	9.5	-3.1
PTTG1IP	3	12.3	5.1	7.3	-2.2
DDX41	6	17.5	5.5	12.0	-6.5
DAZAP2	0	8.7	3.6	5.2	-1.6
15-Sep	1	48.2	45.3	3.0	42.3
ZNF623	13	7.8	1.0	6.9	-5.9
CCDC125	4	8.8	2.3	6.6	-4.3
BCOR	0	7.3	2.8	4.4	-1.6
FHL3	3	18.1	6.7	11.4	-4.7
CCDC159	0	8.8	4.2	4.6	-0.4
RIPK4	0	18.7	6.3	12.4	-6.0
NPIPA1	0	11.8	4.9	6.9	-2.1
SF3A3	6	51.5	6.6	44.9	-38.3
GTF2H2C	0	10.7	3.4	7.3	-3.8
EP400	0	12.4	4.9	7.5	-2.6
COA5	1	14.0	7.9	6.1	1.8
UTP11L	1	15.1	10.9	4.2	6.6
PSMG1	7	20.0	2.7	17.3	-14.6
PRR14L	1	8.5	4.9	3.6	1.4
SETD3	0	7.8	3.6	4.2	-0.6
ZNRF3	0	11.8	5.5	6.3	-0.8
TANGO2	0	6.4	2.9	3.6	-0.7
SFXN4	0	17.8	6.9	10.9	-3.9
MRPL54	8	17.8	5.6	12.1	-6.5
HMCES	0	9.3	4.0	5.3	-1.2
DGCR6	2	20.8	9.0	11.8	-2.7
ZNF530	2	18.0	7.7	10.3	-2.6
NDUFB1	0	9.0	3.7	5.2	-1.5
TRMT12	2	13.2	4.5	8.7	-4.2
ALYREF	5	20.2	9.6	10.6	-1.0
UPP1	0	11.2	4.9	6.2	-1.3
TRIM52	1	13.9	9.5	4.3	5.2
CMTM4	0	7.7	3.6	4.1	-0.5
TMEM50A	1	20.4	16.1	4.2	11.9
TBK1	1	49.4	45.4	4.0	41.4
CBX6	0	9.5	4.6	4.9	-0.3
TBL3	12	12.7	1.9	10.8	-8.8
TRAIP	2	16.7	5.4	11.2	-5.8
CHEK2	0	14.4	5.0	9.4	-4.4

RBM12B	1	24.5	19.7	4.8	14.9
LIN9	7	26.8	4.8	22.0	-17.2
NUDT14	2	17.5	7.7	9.8	-2.2
KIRREL	3	30.4	22.0	8.4	13.6
IQGAP3	3	16.0	5.1	10.9	-5.7
TOB2	2	19.2	7.6	11.6	-4.0
TTC32	1	13.2	8.9	4.3	4.5
KMT5A	0	7.2	3.1	4.1	-1.0
SMTN	0	12.3	4.9	7.4	-2.4
COA3	4	22.4	5.8	16.6	-10.7
PTP4A2	1	73.5	64.8	8.7	56.1
ACTG1	3	13.0	6.2	6.8	-0.6
DENND5A	0	10.2	2.8	7.5	-4.7
DIABLO	0	8.2	3.8	4.4	-0.7
VPS33B	0	8.5	3.3	5.1	-1.8
UQCR10	5	14.6	3.6	11.0	-7.4
EIF3C	2	31.7	15.1	16.7	-1.6
NIPSNAP1	4	14.5	4.9	9.7	-4.8
LRTOMT	0	7.5	3.7	3.8	-0.1
NR2C2AP	8	16.1	2.5	13.6	-11.1
CRELD2	0	10.5	4.7	5.8	-1.2
SCFD2	2	12.5	4.6	7.9	-3.3
UBE2F	0	8.0	3.0	5.0	-2.0
PPP1R2	1	34.6	29.9	4.7	25.2
TSPYL2	0	10.9	4.9	6.0	-1.1
PGP	12	34.0	5.2	28.8	-23.7
C22orf46	0	6.7	3.3	3.4	-0.2
SNRNP35	0	8.2	3.3	4.9	-1.6
IRAK1	0	11.6	4.9	6.7	-1.9
CMSS1	7	11.1	1.1	9.9	-8.8
OAF	2	12.8	3.6	9.3	-5.7
TM2D3	0	9.4	3.4	6.0	-2.6
TSSC4	8	10.2	1.4	8.9	-7.5
EFNA5	3	7.0	2.7	4.2	-1.5
CSF1	3	17.5	7.4	10.0	-2.6
PLA2G6	0	9.1	4.0	5.0	-1.0
SS18L1	1	13.4	7.4	6.0	1.4
TOP1MT	13	13.2	2.4	10.8	-8.4
COPB2	1	62.8	59.5	3.3	56.2
THAP7	2	22.1	10.0	12.1	-2.1
KNTC1	1	66.1	51.4	14.6	36.8
WDR27	1	9.0	5.4	3.6	1.8
TXNRD2	0	10.5	4.0	6.4	-2.4
PROS1	4	10.9	4.5	6.4	-1.9
HDDC3	0	12.0	4.5	7.4	-2.9
DUSP8	8	11.3	1.6	9.7	-8.0
SOCS3	3	12.8	4.7	8.1	-3.5
XPOT	1	81.1	75.7	5.4	70.2
TMEM173	3	9.3	2.9	6.4	-3.6
SNN	2	14.1	4.0	10.1	-6.1
MED12	0	7.4	3.6	3.8	-0.2
9-Sep	0	10.9	4.7	6.2	-1.4
CDCA2	7	12.4	2.5	9.9	-7.3
ZBTB40	0	15.7	7.6	8.1	-0.6

EIF4ENIF1	0	7.2	3.0	4.2	-1.2
ATL3	0	10.7	4.5	6.2	-1.7
NDUFA12	1	17.4	10.8	6.7	4.1
UBE2G2	0	6.8	2.5	4.2	-1.7
APOO	0	9.0	3.5	5.5	-2.0
TMED9	0	8.9	4.6	4.2	0.4
TMEM186	12	21.0	2.8	18.2	-15.4
RBM33	0	12.5	5.3	7.2	-1.8
BTBD6	0	15.0	5.0	10.0	-5.0
H1FX	2	12.9	4.7	8.1	-3.4
SUMO3	0	9.7	3.7	6.1	-2.4
IMMP2L	0	10.8	4.1	6.8	-2.7
FMNL1	3	8.4	3.7	4.7	-1.0
PTRHD1	6	15.3	3.4	11.9	-8.5
ZFP90	0	5.9	2.6	3.3	-0.7
NOC4L	2	31.3	14.5	16.8	-2.3
NDUFA6	7	9.3	1.0	8.3	-7.2
SIVA1	0	7.4	2.7	4.7	-2.0
BRI3BP	4	23.8	9.2	14.6	-5.4
DGAT1	13	11.9	1.0	10.9	-9.8
AP3M1	1	23.3	17.7	5.6	12.1
MAFF	0	11.6	4.7	6.9	-2.1
BRF1	2	14.9	4.8	10.0	-5.2
SEMA4B	0	13.5	6.3	7.3	-1.0
CIB1	4	18.6	4.5	14.1	-9.6
NELFA	2	25.1	9.2	15.9	-6.7
INTS5	2	51.5	28.5	23.0	5.6
RPS27L	1	25.0	21.9	3.1	18.7
MANEAL	2	16.2	6.2	10.0	-3.8
FAF1	0	9.8	3.7	6.1	-2.4
NSMCE3	0	8.8	3.9	4.9	-1.0
HSF1	13	9.1	3.0	6.1	-3.0
C6orf120	1	9.0	6.1	2.9	3.3
LRRC37B	0	6.1	2.2	3.9	-1.6
DDX51	2	18.9	6.6	12.3	-5.7
NOMO2	11	19.1	1.4	17.7	-16.3
SIGIRR	2	12.2	3.8	8.4	-4.6
NRBP2	0	12.0	5.0	7.0	-2.0
IFITM2	3	11.3	5.1	6.2	-1.1
TNFAIP2	3	13.0	5.4	7.6	-2.2
WBP5	1	9.0	6.3	2.7	3.5
RAB11B	8	14.7	4.3	10.5	-6.2
PRMT3	1	23.1	16.2	6.9	9.3
PRPF39	1	61.4	55.1	6.3	48.8
ZNF74	2	18.8	7.6	11.2	-3.6
UBALD2	0	7.9	2.2	5.7	-3.5
CCDC137	0	14.0	4.8	9.3	-4.5
ARL15	0	5.2	2.1	3.2	-1.1
CDK10	0	5.3	2.1	3.3	-1.2
TCN2	0	12.3	5.3	7.0	-1.8
GAS2L1	3	17.1	4.6	12.5	-7.9
ATP6V0A2	0	11.2	5.2	5.9	-0.7
C14orf80	2	21.1	7.9	13.2	-5.3
HGS	6	11.8	2.5	9.3	-6.8

TNFAIP8L1	4	27.1	5.7	21.5	-15.8
RAD51D	0	10.1	4.2	5.9	-1.8
SP140L	3	7.3	2.3	5.0	-2.7
MRPL30	1	22.7	13.9	8.8	5.1
SMYD3	0	6.7	2.8	3.9	-1.1
METTL7A	4	19.1	11.0	8.1	2.9
TMEM179B	2	11.0	4.0	7.0	-3.0
PARPBP	7	28.8	4.4	24.4	-20.1
FAAP100	2	15.0	5.0	10.0	-5.0
BRCC3	1	18.3	13.5	4.8	8.7
NR2F2	1	7.4	3.9	3.4	0.5
AHNAK2	3	17.6	10.3	7.3	3.0
SP1	0	14.1	6.0	8.0	-2.0
MRPL40	0	11.7	4.3	7.4	-3.0
PCGF3	0	11.3	5.2	6.1	-0.9
P4HB	6	14.2	4.1	10.2	-6.1
PSMD13	0	10.4	4.3	6.1	-1.7
PBX1	0	5.6	2.6	3.1	-0.5
ZFP36L1	3	14.0	6.5	7.5	-1.0
UBE2L3	0	11.5	4.3	7.2	-2.9
BRWD1	0	5.4	1.9	3.5	-1.7
EP400NL	0	10.0	4.3	5.8	-1.5
MYBL1	7	18.1	2.1	16.0	-13.9
C16orf52	0	7.4	3.0	4.4	-1.4
DRG1	6	18.1	3.1	14.9	-11.8
ANKFY1	0	10.1	4.4	5.6	-1.2
YTHDF3	1	31.8	28.4	3.3	25.1
ZNF696	2	31.4	15.8	15.7	0.1
CXorf38	0	10.3	4.1	6.2	-2.2
ADAMTSL5	0	8.3	3.3	5.0	-1.7
MORF4L1	1	50.8	47.3	3.4	43.9
WDR53	0	9.9	3.1	6.8	-3.7
DMWD	0	13.4	6.2	7.2	-1.0
SLC52A2	13	10.7	2.3	8.4	-6.1
PIGP	0	6.5	2.3	4.2	-1.9
PCYT2	4	19.5	6.9	12.6	-5.7
BCAP31	0	12.0	5.9	6.1	-0.1
ARL17A	0	7.9	3.3	4.6	-1.2
GNB1L	2	23.2	10.6	12.6	-2.0
DNAH14	1	21.1	12.8	8.3	4.4
NPIPB4	1	10.6	7.9	2.7	5.2
TRIM69	0	8.9	4.2	4.7	-0.5
ATP6V0C	12	15.8	1.6	14.1	-12.5
IFITM1	0	5.7	2.5	3.2	-0.7
LAMP1	0	8.0	4.0	4.0	0.0
KLHDC8B	0	7.4	4.1	3.2	0.9
SETD4	0	5.9	2.8	3.1	-0.4
PTCH1	1	13.5	8.2	5.3	2.9
RNPC3	1	16.3	13.2	3.1	10.1
ZNF267	0	5.3	1.7	3.6	-1.9
BICD2	10	12.2	2.3	9.8	-7.5
TMLHE	0	7.6	3.8	3.8	0.0
RASA3	3	12.8	6.1	6.7	-0.7
LRCH3	6	21.1	3.9	17.3	-13.4

NDUFA13	0	9.1	3.9	5.2	-1.3
AIDA	1	50.7	42.7	8.0	34.6
C15orf41	0	6.6	2.6	4.0	-1.5
CYP2R1	0	6.8	2.2	4.6	-2.4
ANKRD46	0	11.9	4.2	7.7	-3.5
PIP5K1C	8	33.6	6.1	27.5	-21.4
C2orf76	0	7.3	2.8	4.5	-1.7
POLR3C	9	12.7	4.5	8.2	-3.7
WWOX	0	12.5	4.2	8.3	-4.1
CCDC84	0	9.0	4.0	5.0	-1.0
BCL9L	3	12.7	5.5	7.2	-1.6
POLR1D	0	12.9	5.0	7.9	-2.9
KIF18B	5	19.5	8.3	11.1	-2.8
ZNRF1	0	12.9	5.7	7.2	-1.5
SAPCD2	0	9.6	3.2	6.4	-3.2
BLOC1S4	2	22.6	9.5	13.1	-3.6
ZNF749	2	12.9	5.2	7.7	-2.5
MKL2	1	12.9	8.3	4.6	3.8
TOR3A	9	17.3	1.9	15.4	-13.4
PPP1CC	1	81.0	73.7	7.3	66.4
PRELID2	0	12.1	4.5	7.5	-3.0
BACE1	0	11.7	6.0	5.7	0.4
RXRA	10	16.2	1.9	14.3	-12.4
KRT10	0	13.9	5.3	8.6	-3.3
NKRF	0	8.6	3.0	5.6	-2.6
KPNA4	1	63.2	49.8	13.4	36.4
RPS23	1	15.0	8.9	6.1	2.9
BTN3A2	0	13.3	5.8	7.5	-1.7
INSIG1	0	5.6	2.2	3.4	-1.1
TMEM222	2	25.6	10.2	15.4	-5.2
10-Sep	1	71.4	63.1	8.3	54.7
SMYD4	0	13.3	5.6	7.7	-2.2
GPATCH8	0	14.4	6.2	8.2	-2.0
NF2	3	21.9	10.0	11.9	-1.8
C6orf1	3	19.3	8.5	10.8	-2.3
UBE2H	3	17.3	8.3	9.0	-0.7
KATNA1	6	16.3	1.1	15.2	-14.0
ARAP1	0	6.2	3.2	3.0	0.3
ZFP91	1	10.7	6.5	4.2	2.2
C17orf58	0	11.3	4.2	7.0	-2.8
LYRM7	1	21.6	14.1	7.5	6.6
BCR	0	7.5	3.5	4.0	-0.4
HYAL3	2	17.9	7.7	10.2	-2.6
ZNF397	0	7.3	3.3	4.0	-0.7
TPCN1	0	10.2	4.5	5.6	-1.1
HEXIM1	0	8.4	3.4	5.1	-1.7
POFUT2	0	12.7	6.5	6.2	0.3
ERCC6L	7	27.4	5.6	21.7	-16.1
RTN4RL2	0	9.8	3.9	5.9	-2.0
ZDHHC17	1	43.4	38.6	4.7	33.9
ZNF395	0	8.3	3.5	4.8	-1.3
PPARA	2	13.2	3.9	9.2	-5.3
PTRH1	2	41.2	22.7	18.4	4.3
TMEM216	0	12.4	5.1	7.3	-2.2

RPS19BP1	2	20.8	8.9	11.9	-3.0
TEAD1	1	31.8	21.9	9.8	12.1
ENTPD5	4	21.6	11.9	9.7	2.2
MITF	0	9.7	2.1	7.6	-5.5
NAP1L1	1	107.1	100.4	6.7	93.8
CMC1	0	12.5	5.4	7.0	-1.6
AKR1C1	4	14.3	5.1	9.2	-4.1
SPATA21	0	18.2	7.5	10.7	-3.2
RNF220	2	12.6	4.1	8.5	-4.4
SHTN1	1	11.9	6.6	5.3	1.3
RP11-195F	2	17.9	6.3	11.6	-5.3
TSPYL4	0	8.6	4.3	4.3	0.0
MT1X	3	9.5	2.8	6.7	-3.9
SESTD1	1	16.4	11.7	4.7	7.0
FNBP1	0	6.8	2.4	4.4	-2.0
BCAM	0	7.4	3.5	3.9	-0.4
RSBN1L	1	16.0	11.6	4.4	7.3
TAF9B	1	30.0	21.0	9.0	12.0
CHP1	4	15.0	6.2	8.8	-2.6
COL4A1	3	16.6	10.6	5.9	4.7
PTMA	0	9.8	4.0	5.9	-1.9
HSPA14	7	16.3	2.5	13.8	-11.2
SIRT7	2	27.4	11.4	16.0	-4.6
IFT140	0	9.4	4.5	4.8	-0.3
USP7	1	67.2	60.4	6.8	53.6
ZNF286A	1	14.6	9.5	5.1	4.5
ISG15	0	9.5	4.0	5.5	-1.4
DHRS4L2	2	18.0	7.3	10.8	-3.5
SAMD11	0	9.0	3.5	5.5	-2.0
SPRY4	2	18.4	5.3	13.1	-7.7
TMEM203	10	33.5	7.7	25.8	-18.0
TCEA1	1	48.5	45.4	3.1	42.3
NHEJ1	0	10.1	4.6	5.5	-0.8
FANCA	7	15.6	1.8	13.8	-12.0
SECISBP2	1	13.7	10.0	3.7	6.3
MCRS1	2	20.6	6.5	14.1	-7.6
HIST1H1C	0	8.7	4.3	4.4	-0.2
EIF4EBP1	0	9.5	3.8	5.8	-2.0
ARHGAP11B	7	13.9	1.9	12.1	-10.2
CYHR1	13	18.9	3.6	15.3	-11.7
KLHL17	2	20.5	8.8	11.7	-2.9
MORN2	0	9.6	4.2	5.4	-1.3
S100A3	3	10.5	3.8	6.7	-2.9
UBQLN2	0	6.7	3.1	3.6	-0.6
ARL4C	3	12.4	6.1	6.2	-0.1
MAPK12	0	8.1	3.5	4.5	-1.0
COL4A5	0	5.9	2.5	3.5	-1.0
AGRN	3	16.1	7.6	8.5	-0.9
LAMTOR4	2	20.3	10.2	10.1	0.1
PRKAR1B	2	12.3	4.1	8.2	-4.1
TUBB4B	5	20.3	7.4	12.9	-5.6
COMMD6	1	9.0	5.3	3.8	1.5
HES4	2	28.9	15.8	13.1	2.7
CENPP	0	8.6	3.0	5.6	-2.6

PLSCR1	3	10.7	3.6	7.1	-3.5
ZNF559	1	15.6	11.7	3.8	7.9
GTF2F2	1	15.6	8.7	6.9	1.9
FAM92A1	1	13.5	6.7	6.8	-0.1
FOCAD	0	6.2	2.1	4.1	-2.0
CHM	1	17.8	14.5	3.3	11.1
IER5L	2	24.9	10.9	14.0	-3.2
H2AFX	5	18.6	5.0	13.6	-8.7
SERPINA5	4	11.8	5.8	6.0	-0.3
C19orf54	0	12.2	5.6	6.6	-1.0
FAM83G	2	16.9	5.3	11.6	-6.3
SRSF10	1	130.0	124.2	5.8	118.4
C15orf52	3	24.2	16.3	7.9	8.4
NBR1	0	8.2	2.8	5.5	-2.7
RALGAPA2	4	11.4	3.0	8.4	-5.4
NDOR1	10	27.0	3.8	23.2	-19.4
CLN3	4	14.4	3.9	10.5	-6.5
FAM72B	0	10.5	4.0	6.5	-2.5
SUMO2	6	30.8	10.2	20.5	-10.3
S100A16	0	9.2	4.0	5.2	-1.2
PTAR1	1	22.6	19.7	2.9	16.7
PARVB	0	11.5	4.4	7.2	-2.8
UROS	0	16.9	6.2	10.7	-4.6
ZDHHC9	4	13.3	4.1	9.2	-5.1
ZBED6CL	0	8.9	3.8	5.1	-1.3
SMIM15	1	75.9	71.1	4.9	66.2
TMEM120B	2	20.5	9.2	11.4	-2.2
RBM34	1	60.5	56.0	4.6	51.4
ZNF548	0	5.8	2.4	3.5	-1.1
TMEM201	2	31.0	14.1	16.9	-2.8
NHLRC3	0	7.1	1.7	5.4	-3.7
RPL14	6	79.9	15.8	64.1	-48.3
MSL1	1	9.3	5.6	3.7	1.9
TRMT2B	2	16.2	4.6	11.6	-7.1
FAM120AOS	10	11.4	1.4	9.9	-8.5
NOC2L	2	18.9	8.0	10.9	-3.0
NELFB	10	26.1	8.0	18.0	-10.0
KCTD21	0	12.9	5.3	7.5	-2.2
NDUFA4	6	32.4	15.6	16.8	-1.2
ALKBH2	2	13.4	4.8	8.6	-3.8
RNFT1	1	18.8	15.6	3.2	12.3
FAM111B	7	14.2	2.6	11.6	-9.0
H1F0	0	7.7	3.4	4.3	-0.9
GAGE2A	0	5.8	2.8	3.0	-0.2
LITAF	0	8.4	4.0	4.4	-0.4
TMEM120A	0	10.2	4.1	6.1	-2.0
ARID2	1	26.5	21.4	5.1	16.3
SF3B3	6	13.4	2.7	10.8	-8.1
BLOC1S3	2	16.5	6.1	10.4	-4.2
CLDN4	0	12.3	4.6	7.8	-3.2
HN1	5	22.9	13.7	9.2	4.5
S100A13	3	9.4	2.7	6.7	-4.0
ZNF33A	1	8.5	6.2	2.3	3.9
MAOA	4	10.9	3.9	7.0	-3.1

TSPYL1	0	4.5	1.9	2.6	-0.7
PNRC2	1	85.7	75.2	10.6	64.6
RRP7A	0	11.6	4.4	7.1	-2.7
LIN54	1	18.4	14.4	4.0	10.4
FAM53B	2	46.1	25.7	20.4	5.4
SLC35E2B	0	17.5	8.7	8.8	-0.1
C8orf76	0	9.7	2.8	6.8	-4.0
HMGB1	1	43.1	38.3	4.9	33.4
BLOC1S2	1	21.6	17.3	4.3	13.0
IL1RAP	0	7.7	2.8	4.9	-2.1
TDRD7	0	6.9	2.5	4.4	-2.0
CCDC189	11	26.3	2.6	23.6	-21.0
KIAA0895L	0	13.1	6.7	6.3	0.4
SPATS2L	0	9.6	4.2	5.4	-1.2
WDSUB1	0	8.2	3.8	4.3	-0.5
S100A4	0	6.0	2.4	3.6	-1.1
PLEKHG4	0	8.4	4.1	4.4	-0.3
ACADSB	1	17.8	11.1	6.7	4.4
STK40	0	11.5	4.7	6.8	-2.1
TMEM63A	2	14.4	3.8	10.6	-6.9
MPHOSPH8	1	22.8	20.3	2.5	17.8
ZNF766	1	9.0	5.9	3.1	2.8
FAM217B	1	23.9	17.7	6.1	11.6
TUBB	5	17.9	6.8	11.1	-4.3
LCOR	1	13.3	9.2	4.1	5.1
SUPT5H	0	9.3	5.3	4.0	1.3
XPNPEP3	0	5.4	2.2	3.2	-0.9
PPIA	0	12.2	4.5	7.7	-3.3
SUPT3H	0	7.9	3.3	4.6	-1.3
NIF3L1	0	13.0	4.2	8.8	-4.6
IARS	1	58.8	52.2	6.6	45.6
MFSD14C	2	24.2	11.0	13.2	-2.3
POM121	2	27.0	10.4	16.6	-6.2
ZBTB44	1	13.5	9.0	4.5	4.6
CD55	0	7.9	2.3	5.5	-3.2
WDR5	10	24.4	6.6	17.8	-11.2
LONP1	8	12.5	2.2	10.4	-8.2
TRRAP	0	12.4	6.5	5.9	0.6
ASB13	2	24.7	10.0	14.8	-4.8
ZNF140	0	6.6	2.7	3.9	-1.2
PTPN1	0	10.0	4.1	5.9	-1.8
EVL	0	9.4	3.7	5.7	-2.0
EPHB4	2	14.1	4.5	9.6	-5.0
ZNF124	0	14.4	4.6	9.8	-5.2
XRCC6	7	18.2	1.9	16.3	-14.5
PPP1R26	2	16.7	5.6	11.2	-5.6
TSC22D2	1	10.4	4.5	5.9	-1.4
YRDC	2	19.6	7.9	11.8	-3.9
ZNF777	2	35.6	19.5	16.1	3.4
PIK3R4	1	23.0	16.1	6.9	9.1
TRAPPC2	1	10.1	5.6	4.5	1.1
MYL6B	0	10.3	5.3	5.0	0.3
SIAH1	0	8.4	2.8	5.6	-2.8
C20orf96	0	10.2	5.5	4.7	0.8

IPO4	2	19.7	5.7	14.0	-8.3
NCOR2	3	11.1	5.2	6.0	-0.8
SULT1A1	4	17.4	6.4	11.0	-4.6
PRPF40A	1	134.9	122.1	12.8	109.3
GDAP2	1	11.7	6.7	5.0	1.7
TCEAL3	3	11.4	4.9	6.5	-1.6
ANAPC7	1	29.2	18.4	10.8	7.6
AFAP1	3	13.9	7.0	6.9	0.2
NACA	1	96.0	89.9	6.1	83.8
MYO18A	0	6.4	2.4	4.0	-1.6
MAN2A2	0	11.2	4.4	6.8	-2.4
FAM72A	0	9.7	3.6	6.1	-2.6
CACNA1H	0	11.2	4.0	7.2	-3.3
SULF2	0	4.2	1.6	2.6	-1.0
PLXNB2	3	16.3	6.0	10.3	-4.3
XRCC2	7	16.6	2.6	14.0	-11.4
MYO6	4	9.9	3.1	6.8	-3.7
MKL1	3	20.7	9.8	10.9	-1.0
HDAC2	1	98.7	93.1	5.5	87.6
SDHAF3	1	16.2	9.2	7.0	2.2
ZKSCAN5	0	6.6	3.1	3.5	-0.4
TRAPPC4	0	10.7	4.9	5.8	-0.9
TECPR2	0	12.0	6.1	6.0	0.1
ZFP62	1	13.4	9.1	4.3	4.7
ERI2	1	12.2	9.0	3.2	5.9
TOMM7	6	17.0	8.0	9.1	-1.1
ZNF33B	1	9.8	6.3	3.5	2.8
ZNF512B	11	14.8	1.0	13.7	-12.7
AMZ2	1	11.5	5.0	6.5	-1.5
NF1	1	45.4	40.7	4.7	36.0
VKORC1L1	0	7.1	2.6	4.4	-1.8
DAPK1	0	6.3	2.5	3.8	-1.2
COL27A1	4	9.4	2.2	7.1	-4.9
GM2A	0	9.6	4.4	5.2	-0.7
S100A2	3	16.1	9.7	6.4	3.3
CD47	3	11.9	5.5	6.4	-0.9
TLE1	0	8.9	3.0	5.9	-2.9
STRN3	1	35.8	30.5	5.4	25.1
C6orf106	0	11.8	4.9	6.9	-2.0
ADA	3	7.6	2.2	5.5	-3.3
ARID5A	2	17.1	6.6	10.4	-3.8
PPTC7	1	20.3	15.1	5.2	9.9
LAMB3	3	7.0	2.1	5.0	-2.9
ARHGEF12	1	25.4	21.2	4.1	17.1
PDLIM7	3	19.7	12.7	7.0	5.7
FLNA	3	6.6	2.6	4.0	-1.4
FAM3C	1	14.1	8.8	5.3	3.5
NOP9	0	10.7	4.6	6.1	-1.5
SLC39A10	1	14.0	11.7	2.3	9.5
CASP4	0	7.3	3.0	4.2	-1.2
AP2A1	3	19.8	6.0	13.8	-7.8
ZNF585A	0	6.2	2.8	3.4	-0.5
FUT11	0	11.9	6.0	5.9	0.1
ANXA4	4	14.2	6.3	8.0	-1.7

LAGE3	0	16.2	6.3	9.9	-3.6
WDR45	0	7.9	4.1	3.8	0.4
METTL9	1	15.6	12.6	3.0	9.6
SERTAD1	2	18.6	8.5	10.1	-1.6
CXorf40B	2	20.2	6.5	13.7	-7.2
ZSCAN25	0	9.0	4.6	4.4	0.2
ANXA6	3	8.6	3.2	5.4	-2.2
GMFB	1	71.4	65.5	6.0	59.5
ZMYM1	1	18.3	13.3	5.0	8.2
ZSCAN26	0	10.6	2.7	7.8	-5.1
MAFG	9	12.1	1.2	10.9	-9.7
ARRDC1	10	23.5	3.4	20.1	-16.7
KIAA1671	2	19.7	5.0	14.7	-9.7
IGF2R	0	8.5	3.0	5.6	-2.6
DYNC1H1	1	31.3	23.3	8.0	15.3
PCBP2	0	8.7	4.1	4.6	-0.6
ZGPAT	2	19.0	7.6	11.5	-3.9
SLC25A29	0	12.7	5.5	7.2	-1.7
SRC	4	10.9	3.6	7.4	-3.8
PCNXL3	2	16.4	6.3	10.0	-3.7
ACSL5	0	7.7	3.3	4.4	-1.0
ABCB8	2	17.4	5.8	11.7	-5.9
SND1	0	4.7	2.1	2.6	-0.5
PSMD12	1	48.6	42.1	6.5	35.6
MAGEA6	0	7.4	3.3	4.1	-0.7
NOL4L	0	6.3	2.8	3.5	-0.8
ENTPD4	1	13.5	7.7	5.8	1.9
C1D	1	20.5	17.6	2.9	14.6
TBC1D9B	0	7.6	2.8	4.7	-1.9
SERPINA1	4	18.6	9.9	8.7	1.2
KANK2	3	20.3	10.9	9.4	1.5
C6orf141	0	6.7	2.8	3.9	-1.1
GTF2E2	6	8.5	1.1	7.5	-6.4
RAD54B	1	21.0	14.6	6.4	8.3
SYNGAP1	0	8.9	4.3	4.6	-0.3
FITM2	2	15.9	6.1	9.8	-3.8
BLM	1	32.6	22.4	10.2	12.2
ZNF720	0	10.0	3.7	6.4	-2.7
DDI2	0	14.9	4.4	10.5	-6.1
SVIL	3	13.3	5.8	7.5	-1.7
TRIM33	1	58.0	52.6	5.4	47.2
LRP10	0	12.0	5.5	6.6	-1.1
ZNF655	0	7.6	2.0	5.6	-3.6
MRPL21	0	8.9	3.7	5.1	-1.4
UAP1L1	0	5.6	2.5	3.1	-0.5
SLC22A5	0	6.9	3.0	3.9	-0.8
ADARB1	0	8.6	2.6	6.0	-3.4
HTT	6	11.7	2.2	9.5	-7.3
SHPK	2	29.9	13.3	16.6	-3.3
IPP	0	6.1	3.1	3.0	0.2
GSTK1	0	14.8	5.9	8.9	-3.0
HNRNPAB	0	13.1	5.0	8.1	-3.1
PDGFA	0	5.5	2.6	2.9	-0.3
RPF2	1	38.1	28.0	10.2	17.8

MIB2	2	23.2	7.8	15.3	-7.5
MYO5A	1	18.6	12.8	5.8	7.0
ATG7	3	11.6	3.2	8.4	-5.2
SIPA1L1	0	8.5	4.0	4.5	-0.4
RAB40C	12	24.3	3.6	20.7	-17.1
PIGN	1	9.1	4.8	4.2	0.6
HHLA3	0	13.6	5.4	8.3	-2.9
TOPORS	1	14.5	12.0	2.5	9.5
ENTPD6	0	11.1	4.2	6.9	-2.7
ZNF841	1	7.6	4.7	2.9	1.8
CXorf40A	2	25.8	9.6	16.2	-6.6
CDC42SE1	9	13.6	2.7	10.9	-8.2
DPP4	4	7.5	2.6	4.9	-2.3
SPTAN1	3	6.7	2.1	4.7	-2.6
NMB	2	11.6	3.5	8.1	-4.6
PARVA	3	18.0	9.7	8.3	1.5
FAM114A1	3	14.8	7.0	7.9	-0.9
RPE	1	34.3	28.8	5.5	23.4
PHF2	10	18.7	2.7	16.0	-13.3
RPS26	2	16.6	5.3	11.2	-5.9
PSAP	3	10.8	3.8	7.0	-3.2
S100A10	0	8.6	3.8	4.8	-1.0
RPL37A	6	14.9	4.3	10.6	-6.3
MCMBP	7	15.0	1.5	13.5	-12.1
TAF13	1	28.8	25.4	3.5	21.9
ZNF780A	4	6.7	1.7	4.9	-3.2
ATAD3A	2	23.2	10.5	12.7	-2.2
FAM118B	0	11.7	5.4	6.3	-0.8
SLC9A8	2	23.0	9.8	13.2	-3.3
OCLN	4	12.5	4.4	8.1	-3.7
GPAA1	13	15.9	2.2	13.7	-11.5
MYO1C	3	7.6	2.4	5.2	-2.8
NKIRAS1	1	12.5	8.1	4.4	3.6
KIF13B	4	15.6	4.6	10.9	-6.3
ADH5	4	8.4	2.1	6.3	-4.2
HIST1H2BK	0	7.1	3.7	3.4	0.3
TEAD4	0	11.6	4.3	7.3	-3.0
SPG7	0	8.1	4.1	4.0	0.0
ERO1A	1	15.1	12.0	3.0	9.0
S100A6	3	11.5	5.9	5.5	0.4
RPL12	10	14.1	1.7	12.4	-10.6
ZNF121	1	13.5	9.0	4.5	4.5
MPZL1	0	7.1	2.8	4.3	-1.5
VPS13A	1	23.1	20.1	3.0	17.1
MBP	0	10.7	4.5	6.2	-1.7
AKAP17A	0	7.6	3.3	4.3	-1.1
ELOVL2	0	8.1	2.4	5.8	-3.4
C1orf122	2	21.9	9.4	12.5	-3.1
NOL8	1	53.8	47.9	5.9	42.0
IRAK4	1	9.8	6.7	3.1	3.6
MRPL42	1	62.1	55.7	6.4	49.3
ENTPD7	0	8.3	4.1	4.2	-0.1
ZNF335	2	32.3	16.4	15.9	0.5
RPS4X	6	12.6	2.2	10.5	-8.3

ZNF84	1	26.5	23.5	3.0	20.5
MAK16	1	14.8	8.9	5.9	2.9
SIRPA	0	7.6	3.0	4.7	-1.7
GRK6	0	12.8	5.4	7.4	-2.0
PRIM1	5	16.5	4.3	12.1	-7.8
5-Mar	1	13.4	8.1	5.4	2.7
AKR1B10	4	16.3	4.5	11.8	-7.4
ZBTB14	0	8.4	3.1	5.3	-2.2
CD2AP	1	30.2	26.4	3.8	22.6
SFI1	0	6.4	2.5	3.8	-1.3
ZNF248	1	12.6	9.3	3.4	5.9
HIBCH	1	29.2	22.4	6.8	15.6
ZNF544	0	5.4	2.4	3.0	-0.6
SOWAHC	0	10.1	3.1	7.1	-4.0
ZNF770	1	39.1	34.9	4.2	30.7
HMGN5	0	6.4	2.3	4.2	-1.9
MIER1	1	36.8	33.4	3.3	30.1
MAN1A2	1	30.8	27.4	3.4	24.0
SVIP	1	11.8	6.0	5.8	0.3
ZNF251	0	8.6	4.1	4.4	-0.3
DDRGK1	0	10.8	3.5	7.3	-3.8
TFDP1	0	8.1	3.4	4.7	-1.3
HSD17B11	1	20.1	16.5	3.6	12.9
SZT2	2	27.4	10.4	16.9	-6.5
SULT1C2	0	10.7	4.4	6.3	-1.8
QRICH1	1	39.9	29.1	10.8	18.3
DDX42	1	86.9	82.4	4.5	77.9
RPL23A	1	12.9	8.0	4.9	3.2
SLC29A3	4	20.8	8.6	12.2	-3.6
STYX	1	19.6	14.6	5.0	9.6
UBL5	8	16.5	6.2	10.3	-4.1
HELZ	1	12.9	9.2	3.7	5.5
TMEM116	0	6.6	2.5	4.0	-1.5
UCKL1	2	17.9	6.3	11.7	-5.4
SDAD1	1	68.9	59.3	9.5	49.8
ZKSCAN8	1	20.5	14.8	5.7	9.1
FAM109A	4	26.6	7.9	18.7	-10.8
PIM3	2	21.4	10.4	11.0	-0.5
ASNA1	8	17.7	5.0	12.8	-7.8
ASPH	0	9.7	2.9	6.8	-3.9
SPRED2	0	10.8	4.9	5.8	-0.9
WWP2	2	15.1	6.1	9.0	-2.9
GFPT1	1	23.6	18.9	4.7	14.1
UVRAG	0	8.4	2.9	5.4	-2.5
ITSN2	1	20.6	17.7	2.9	14.8
MGEA5	1	58.1	52.8	5.2	47.6
TCAF1	1	9.8	6.0	3.7	2.3
TXNRD1	1	12.3	7.6	4.6	3.0
ZNF480	0	5.8	2.2	3.6	-1.4
ZNF587	0	10.0	5.5	4.5	1.0
TPM2	0	8.6	4.0	4.6	-0.6
YTHDF2	1	9.3	6.3	3.0	3.3
TMA16	1	25.2	20.6	4.6	16.0
MAFK	0	10.4	4.2	6.2	-2.0

GPN1	0	6.9	2.7	4.2	-1.4
ZNF28	0	6.1	2.7	3.3	-0.6
ZNF511	0	14.5	5.8	8.6	-2.8
WDHD1	7	36.6	5.8	30.8	-24.9
ZNF789	0	4.7	2.0	2.7	-0.6
CTNND1	0	7.6	3.3	4.3	-1.0
DDX39B	6	17.5	7.5	9.9	-2.4
NUDT16	2	17.6	6.1	11.5	-5.5
TLK1	1	26.4	23.3	3.0	20.3
LRBA	1	10.9	7.4	3.5	3.9
BAZ1A	1	32.5	27.4	5.2	22.2
COPS8	1	14.0	7.3	6.7	0.6
MDM4	1	12.7	8.4	4.3	4.1
KLHL9	0	8.3	2.7	5.6	-2.8
NCOA6	0	9.5	4.7	4.8	-0.1
STK39	0	5.7	2.3	3.5	-1.2
C6orf89	0	20.5	8.6	11.9	-3.3
CALM1	1	15.5	11.3	4.2	7.1
TTC37	1	73.1	68.6	4.6	64.0
PAPSS2	0	5.8	2.2	3.5	-1.3
SLC9A6	0	7.8	3.6	4.3	-0.7
FAN1	1	12.3	8.7	3.7	5.0
MT-ND6	0	5.3	2.3	3.0	-0.8
IPO9	6	15.8	2.6	13.2	-10.6
MT-CO2	0	9.0	3.3	5.7	-2.4
GLMP	0	12.9	5.0	7.9	-2.9
ANKRD13B	2	14.4	6.2	8.2	-2.0
ECI2	0	7.8	3.0	4.8	-1.9
UNC13B	2	14.5	4.1	10.4	-6.3
MT-CYB	0	6.6	3.3	3.3	0.1
LDB1	0	14.4	7.2	7.3	-0.1
CTR9	1	53.1	47.7	5.4	42.2
MSRB1	4	15.2	6.9	8.2	-1.3
ZNF652	1	12.8	7.2	5.6	1.6
SMURF1	0	9.0	3.9	5.1	-1.2
GPATCH3	2	28.5	13.0	15.6	-2.6
CDC42BPB	0	9.8	4.6	5.1	-0.5
RPL10A	0	15.4	7.1	8.3	-1.2
EPS8L3	4	24.9	15.2	9.7	5.4
MT-ND2	0	7.1	3.2	3.8	-0.6
ZNF830	0	7.9	2.6	5.3	-2.8
MT-ND5	0	7.9	3.9	4.0	-0.1
CNOT7	1	33.0	24.7	8.3	16.4
TMEM184B	3	15.6	5.3	10.3	-5.0
MTOR	0	9.4	4.6	4.9	-0.3
SCAMP5	2	15.5	5.4	10.1	-4.7
MT-CO1	0	5.6	2.5	3.1	-0.6
PNP	0	10.9	3.8	7.1	-3.3
GK	4	12.8	4.7	8.1	-3.4
FOXJ3	0	8.3	3.1	5.2	-2.1
ZNF358	8	26.4	4.2	22.2	-18.0
SFT2D1	1	8.3	4.1	4.1	0.0
CHAMP1	0	8.0	3.9	4.1	-0.2
ARHGAP11A	7	48.5	7.5	41.0	-33.5

HMGN2	5	10.9	1.9	8.9	-7.0
SELM	0	6.4	2.4	4.0	-1.6
UBE2J1	1	11.8	8.4	3.4	4.9
OPA1	1	88.9	81.0	7.9	73.2
DENND4B	9	13.0	4.4	8.6	-4.3
ZNF277	1	22.1	18.5	3.5	15.0
MT-ND3	0	7.2	2.9	4.3	-1.4
KTI12	2	24.1	11.5	12.5	-1.0
SELT	1	10.8	7.6	3.2	4.4
CES1	4	10.9	3.3	7.6	-4.3
RUSC2	3	15.0	5.0	10.0	-5.0
OSTC	1	17.9	13.4	4.4	9.0
R3HDM4	8	20.7	6.8	14.0	-7.2
TSEN15	7	10.6	1.2	9.4	-8.2
LTN1	1	30.3	26.7	3.6	23.1
RUNDC1	2	24.3	9.0	15.3	-6.3
GRK5	0	9.4	4.3	5.0	-0.7
TYW1	6	31.7	7.4	24.3	-17.0
DCAF12	0	11.9	4.9	7.1	-2.2
MT-ND4	6	11.4	3.7	7.7	-4.0
SMC5	1	24.9	21.2	3.7	17.5
MT-ND1	0	6.2	2.9	3.3	-0.4
PRMT6	0	6.8	3.1	3.7	-0.6
SHISA4	3	19.9	8.7	11.2	-2.4
CAPZA2	1	76.0	71.0	5.0	66.1
MT-ATP6	6	9.6	3.1	6.5	-3.4
TOP1	1	39.7	35.6	4.1	31.5
PRC1	5	27.6	13.7	13.8	-0.1
MAP3K3	0	10.2	4.9	5.4	-0.5
SREBF2	0	9.6	4.9	4.8	0.1
C1orf174	0	12.6	5.0	7.6	-2.6
C9orf114	10	17.3	2.5	14.9	-12.4
RPL39	0	8.1	4.2	3.8	0.4
KIAA0753	1	11.3	7.6	3.7	4.0
DCLRE1A	1	21.8	14.5	7.3	7.2
ATG9A	0	7.1	3.6	3.4	0.2
APRT	2	18.3	7.5	10.8	-3.2
CCDC167	2	15.3	5.0	10.3	-5.3
MT-CO3	0	7.1	2.5	4.6	-2.1
NAGA	0	14.9	6.2	8.6	-2.4
SMG5	9	20.8	4.0	16.8	-12.8
KIF1BP	7	14.6	1.3	13.3	-12.1
TGM2	0	10.0	4.2	5.8	-1.5
ARMCX6	0	6.9	4.0	2.9	1.1
PJA2	1	46.7	42.5	4.2	38.2
SGMS1	0	5.5	2.3	3.2	-0.9
INF2	2	14.2	3.9	10.3	-6.4
EFCAB2	1	5.9	3.3	2.6	0.7
COX20	6	21.0	4.2	16.8	-12.6
CHML	1	18.7	13.6	5.1	8.5
TATDN3	0	6.4	2.1	4.3	-2.2
C1orf53	0	8.9	3.6	5.3	-1.7
CENPW	5	24.3	9.0	15.4	-6.4
FAM229B	3	10.9	3.9	6.9	-3.0

METTL10	7	25.3	3.1	22.2	-19.1
GDI1	3	20.0	10.6	9.4	1.3
PCMTD2	1	37.8	33.7	4.2	29.5
LIME1	2	18.1	7.0	11.0	-4.0
FAM127B	3	8.1	2.0	6.1	-4.1
SYS1	2	19.5	6.4	13.1	-6.7
TRAF3IP1	1	6.8	3.5	3.3	0.2
GIGYF2	1	28.1	23.8	4.3	19.5
C2orf72	4	36.1	22.6	13.4	9.2
RUFY2	6	57.3	8.6	48.7	-40.1
PHACTR4	0	8.0	3.7	4.2	-0.5
AGAP6	0	9.1	4.1	5.0	-1.0
TIMM23B	0	11.3	4.8	6.5	-1.7
ZDHHC18	0	10.5	4.6	5.8	-1.2
TMEM57	0	6.8	2.9	3.8	-0.9
DAXX	0	9.6	4.3	5.3	-1.0
BMPR2	1	19.2	13.5	5.7	7.8
TCEA3	0	6.2	2.5	3.6	-1.1
PFDN6	0	10.6	4.3	6.3	-2.0
RING1	2	21.8	7.9	13.9	-6.0
HSD17B8	2	32.5	16.9	15.6	1.3
RXRB	8	22.2	2.6	19.6	-17.0
OXLD1	2	18.7	7.8	11.0	-3.2
BRD2	1	7.9	4.4	3.5	0.9
HLA-DMA	0	10.5	4.8	5.7	-0.9
COL5A2	0	6.2	2.4	3.8	-1.4
PSMB8	3	22.4	11.2	11.3	-0.1
TAP2	0	11.3	4.2	7.1	-2.9
LINC0142(	1	9.8	5.3	4.5	0.8
PBX2	0	12.1	6.1	6.0	0.1
RNF5	2	18.0	5.8	12.2	-6.4
AGPAT1	11	18.9	1.5	17.4	-15.9
FKBPL	2	41.0	21.2	19.9	1.3
MRPL38	6	12.2	2.5	9.7	-7.2
STK19	0	13.4	6.3	7.0	-0.7
DXO	0	15.3	6.5	8.8	-2.4
SKIV2L	0	9.6	4.6	5.0	-0.5
NELFE	2	20.1	6.4	13.7	-7.3
ZBTB12	2	15.4	5.7	9.7	-4.0
SDHD	1	15.8	11.3	4.5	6.8
EHMT2	2	19.1	7.6	11.5	-3.9
NEU1	4	13.5	3.9	9.6	-5.6
C6orf48	0	11.2	5.4	5.7	-0.3
HSPA1B	0	9.5	3.5	6.0	-2.5
HSPA1A	0	9.7	4.5	5.1	-0.6
LSM2	5	19.9	5.9	14.1	-8.2
VARS	0	12.5	4.8	7.8	-3.0
MBD5	0	6.3	2.7	3.6	-0.8
MSH5	0	6.0	2.6	3.5	-0.9
ABHD16A	11	18.9	1.6	17.3	-15.6
CSNK2B	11	16.6	1.8	14.8	-13.1
GPANK1	11	27.0	2.1	24.9	-22.8
C6orf47	2	26.8	10.9	15.9	-5.0
APOM	4	24.7	13.9	10.8	3.1

BAG6	0	11.0	4.7	6.3	-1.6
PRRC2A	0	18.8	7.1	11.7	-4.6
NFKBIL1	11	39.7	3.3	36.4	-33.1
MICB	0	10.0	4.0	6.0	-2.0
MICA	0	9.5	4.0	5.5	-1.5
HLA-C	3	11.3	4.7	6.6	-1.9
CCHCR1	0	17.2	6.0	11.2	-5.2
DHX16	0	12.7	5.2	7.5	-2.4
C6orf136	0	9.6	3.8	5.8	-2.1
MRPS18B	2	19.4	7.3	12.1	-4.7
PPP1R10	0	14.2	6.8	7.5	-0.7
ABCF1	0	9.8	4.3	5.4	-1.1
PRR3	0	13.6	7.0	6.6	0.4
DDR1	3	8.2	2.5	5.7	-3.2
GNL1	0	8.0	4.2	3.8	0.4
HLA-E	3	18.3	7.2	11.1	-4.0
TRIM39	11	21.0	1.9	19.1	-17.3
ZNF468	0	5.7	2.0	3.6	-1.6
PPP1R11	0	17.7	6.8	10.9	-4.2
GNB2L1	6	12.1	1.8	10.2	-8.4
TBC1D8	4	7.1	2.2	4.9	-2.7
HLA-F	3	12.0	3.8	8.2	-4.4
AKT1S1	2	19.1	7.7	11.4	-3.7
TRIM27	2	21.6	9.0	12.6	-3.6
MRPL53	6	9.6	1.5	8.1	-6.7
ATXN2	1	16.0	11.5	4.5	7.1
DCTN1	0	10.3	4.8	5.5	-0.7
TCTN1	0	7.4	2.6	4.9	-2.3
FAM216A	0	12.2	3.5	8.6	-5.1
ZBTB48	0	10.8	5.1	5.7	-0.6
MZT1	7	23.3	3.5	19.8	-16.3
UQCC3	2	33.2	16.9	16.3	0.6
C12orf73	0	15.6	5.8	9.8	-4.1
TRIM13	0	6.8	3.1	3.7	-0.7
SPIRE2	12	28.3	2.0	26.3	-24.2
SLC35B4	0	8.2	3.6	4.6	-1.0
TRIQK	1	10.1	7.7	2.4	5.4
SDHAF1	2	40.7	20.5	20.2	0.3
PSENEN	0	8.4	4.0	4.4	-0.3
C4orf46	7	14.0	2.2	11.8	-9.5
LGR4	1	10.3	5.8	4.5	1.3
PSMB10	2	13.1	4.6	8.5	-3.9
E2F4	2	16.5	6.0	10.5	-4.6
PDE7A	1	7.6	4.5	3.1	1.4
SNX2	1	105.0	92.8	12.2	80.6
SARNP	1	30.9	25.3	5.6	19.7
ADGRG1	3	8.4	3.6	4.9	-1.3
IPO7	1	105.4	97.9	7.4	90.5
PRR13	0	12.6	3.9	8.7	-4.7
TECPR1	0	10.5	5.0	5.6	-0.6
MT1A	3	11.1	4.0	7.1	-3.2
CFI	4	10.8	4.2	6.6	-2.4
CNEP1R1	1	11.1	6.5	4.5	2.0
KRT81	3	13.8	7.7	6.1	1.6

CCDC85C	2	19.6	7.8	11.8	-4.1
RGL3	0	6.4	2.6	3.8	-1.2
NAP1L4	1	41.8	31.5	10.4	21.1
TMSB4X	3	10.2	4.1	6.1	-2.0
TMEM256	0	12.4	4.7	7.7	-3.0
CPT1B	0	5.1	2.1	3.0	-0.9
HMGN1	1	23.0	18.7	4.3	14.4
LCMT1	6	8.5	1.4	7.1	-5.6
CDPF1	2	17.5	6.4	11.1	-4.7
LIN52	0	7.6	2.1	5.5	-3.5
LYRM5	1	12.1	9.1	3.0	6.0
ITSN1	1	9.4	5.9	3.5	2.4
ITPRIPL2	0	8.4	3.9	4.4	-0.5
DENND1C	4	21.7	9.1	12.6	-3.6
CRYZL1	6	22.5	3.1	19.4	-16.4
C5orf51	1	24.4	20.4	4.0	16.4
ZNF316	0	11.2	5.5	5.7	-0.2
CEMP1	12	17.1	1.6	15.5	-13.9
RNPS1	0	8.7	2.8	5.9	-3.2
DNAJC19	0	14.2	3.9	10.2	-6.3
HN1L	5	12.9	5.3	7.6	-2.2
RAB12	0	6.5	2.3	4.2	-1.9
HLA-A	3	13.2	4.2	9.0	-4.8
HACD2	1	17.2	12.4	4.8	7.6
ANKRD28	1	35.4	27.9	7.5	20.4
METTL6	0	6.8	3.6	3.3	0.3
GPX3	4	10.1	2.5	7.5	-5.0
C11orf31	2	10.1	3.4	6.7	-3.3
STK38L	1	21.1	17.8	3.3	14.6
SACM1L	1	44.0	39.9	4.1	35.8
TSN	1	39.4	32.5	6.9	25.6
SLC48A1	0	12.2	4.3	7.8	-3.5
MT-ND4L	1	11.9	5.7	6.2	-0.5
ZNF580	2	15.3	5.2	10.1	-4.8
NUP62	0	14.4	6.9	7.5	-0.6
SFT2D2	9	9.2	1.4	7.8	-6.4
FGFR1OP	1	20.3	14.4	5.9	8.5
SCAF8	1	11.9	8.3	3.7	4.6
TCTEX1D2	0	4.6	2.0	2.5	-0.5
CRIP1	0	5.1	2.1	3.0	-0.9
KLHL23	1	17.0	10.4	6.6	3.8
FAM24B	0	9.2	4.0	5.2	-1.2
TRIM59	7	36.2	5.4	30.8	-25.3
MLLT11	3	6.6	2.1	4.6	-2.5
DNLZ	2	16.3	6.8	9.5	-2.6
SUPT4H1	0	6.8	2.6	4.3	-1.7
NRAS	1	53.6	46.9	6.7	40.3
ANKRD39	2	26.0	12.1	13.9	-1.8
QTRT1	8	20.8	6.1	14.7	-8.6
CHUK	1	44.8	37.8	7.1	30.7
MXD3	0	13.9	4.9	9.0	-4.1
COG8	2	28.6	13.8	14.8	-1.0
ARHGAP19	0	14.3	4.7	9.6	-4.9
HAUS7	0	10.4	4.7	5.6	-0.9

LCAT	0	12.2	6.3	5.9	0.5
SIPA1	0	11.7	4.7	7.0	-2.3
SYNJ2BP	0	9.6	2.9	6.7	-3.8
ARL2	0	7.0	3.2	3.8	-0.6
RBMXL1	1	13.1	9.3	3.8	5.5
SRA1	6	9.8	1.3	8.5	-7.1
TMEM110	0	8.8	4.2	4.6	-0.3
DNAJC9	5	16.5	4.5	12.0	-7.4
C8orf82	2	41.6	22.0	19.6	2.4
VDAC1	1	12.2	6.5	5.7	0.8
ZBTB9	11	28.6	2.3	26.3	-24.0
TMX2	0	13.7	4.5	9.2	-4.7
HEXA	0	9.6	4.7	5.0	-0.3
NDUFS3	0	14.1	5.0	9.1	-4.1
LEPROT	1	33.0	26.3	6.7	19.6
LBH	3	9.2	3.2	6.0	-2.8
PPP1CB	1	96.2	91.9	4.3	87.6
NCKIPSD	0	11.9	4.9	7.0	-2.0
ATF6B	0	8.7	4.2	4.5	-0.2
TREX1	0	10.9	4.6	6.3	-1.7
SLC35F6	0	16.7	6.5	10.2	-3.7
CLIC1	0	13.5	5.1	8.4	-3.3
DDAH2	0	6.3	3.2	3.2	0.0
RPS29	0	10.4	3.5	7.0	-3.5
ZNF134	0	7.3	3.6	3.6	0.0
GTF2H4	2	19.0	7.1	11.9	-4.8
DDX47	7	8.8	1.1	7.7	-6.7
EMP2	0	7.8	3.7	4.2	-0.5
UBD	4	14.6	6.1	8.5	-2.4
DNASE1	0	6.4	3.0	3.4	-0.4
MDP1	0	12.6	5.5	7.1	-1.7
CSNK1E	3	14.9	5.3	9.6	-4.4
IRF9	0	8.3	4.0	4.3	-0.3
GALT	4	18.1	5.3	12.8	-7.6
ITGA1	1	10.5	7.0	3.6	3.4
NUDT19	0	8.7	3.4	5.3	-1.9
TAX1BP3	0	8.0	3.1	4.9	-1.8
AP1G2	0	6.7	2.4	4.3	-1.8
CARKD	0	11.4	4.9	6.5	-1.6
GANC	1	8.7	5.4	3.3	2.0
TTLL3	0	7.2	4.0	3.3	0.7
REPIN1	0	13.5	4.6	8.9	-4.3
MRPL23	8	17.1	3.1	14.0	-10.9
SMIM7	8	12.4	3.3	9.0	-5.7
TSPAN4	3	14.5	8.2	6.3	1.9
CPNE1	0	11.3	4.1	7.1	-3.0
ARL16	0	10.3	4.6	5.7	-1.0
LYRM4	2	14.5	5.0	9.5	-4.5
MYCBP	6	27.0	6.0	21.0	-15.0
ALG3	4	17.7	4.6	13.2	-8.6
FIS1	2	15.9	6.2	9.7	-3.5
ANG	4	17.3	8.6	8.6	0.0
HAUS3	7	25.9	3.6	22.4	-18.8
BBIP1	1	20.2	13.9	6.3	7.5

AS3MT	4	9.2	2.2	6.9	-4.7
PPME1	0	9.9	4.5	5.4	-0.9
STARD10	4	13.5	6.1	7.4	-1.3
ZSWIM8	0	8.8	4.2	4.5	-0.3
IFRD2	0	19.0	7.8	11.3	-3.5
ZBED1	0	12.3	4.5	7.8	-3.3
TOMM6	0	15.5	5.2	10.3	-5.1
HNRNPUL2	0	9.4	3.9	5.5	-1.6
METTL12	2	20.6	8.2	12.3	-4.1
MTCP1	6	23.5	5.1	18.4	-13.3
ZSWIM7	0	9.9	4.9	4.9	0.0
ARHGEF28	0	9.6	2.3	7.3	-5.0
C22orf29	0	12.4	5.1	7.2	-2.1
PHB2	0	11.6	5.1	6.5	-1.4
NEURL4	2	18.4	5.6	12.7	-7.1
UBXN2B	1	10.8	8.4	2.5	5.9
MSMP	0	5.6	2.6	3.0	-0.5
PEX26	0	18.5	7.0	11.5	-4.5
FASTKD5	0	14.5	4.8	9.6	-4.8
GOLGA8B	1	10.0	5.5	4.5	1.0
HOMEZ	0	10.7	3.8	6.9	-3.1
DDX3X	1	102.6	98.0	4.6	93.4
VPS16	2	13.5	4.3	9.2	-5.0
MYL5	2	12.2	3.9	8.3	-4.4
NPEPL1	0	9.6	4.0	5.5	-1.5
RPL17-C18	6	27.5	7.2	20.3	-13.1
TMEM242	0	7.3	2.9	4.4	-1.4
TMEM167B	1	14.2	10.7	3.5	7.3
TSTD1	0	15.3	5.5	9.9	-4.4
IFI30	4	21.9	10.9	11.0	-0.2
FNIP1	1	17.9	14.7	3.2	11.4
CKLF	0	12.4	4.7	7.7	-3.0
PAM16	12	15.0	2.5	12.5	-10.0
CEBPZOS	1	14.0	10.2	3.9	6.3
ZNF579	2	30.3	13.8	16.6	-2.8
RNASEK	0	10.1	4.8	5.3	-0.6
NBPF1	0	8.1	3.8	4.3	-0.6
VAMP2	0	12.5	6.3	6.1	0.2
C6orf226	2	20.2	8.5	11.7	-3.1
PPP3R1	1	36.3	31.9	4.3	27.6
FANCG	5	11.7	2.5	9.2	-6.7
AP4M1	0	7.8	3.9	3.9	0.1
MAGEA3	0	7.1	3.4	3.7	-0.3
CEBPD	2	22.3	10.6	11.7	-1.2
PPP2R2A	0	7.1	2.4	4.7	-2.4
TRIM16	0	10.8	4.9	6.0	-1.1
SLC12A8	0	8.3	3.5	4.8	-1.4
FADS3	3	8.4	2.7	5.7	-3.0
CCNL2	0	10.2	4.0	6.3	-2.3
UBA52	8	12.5	3.6	8.9	-5.3
PPT2	0	11.3	5.6	5.7	-0.1
EXOSC6	2	37.8	20.3	17.5	2.8
VPS52	0	11.4	4.4	7.0	-2.5
CPTP	2	35.4	15.7	19.6	-3.9

ATXN1L	2	16.7	6.5	10.2	-3.7
SMIM13	1	9.4	5.2	4.2	1.0
C17orf89	0	11.0	4.5	6.5	-2.0
PLEKHM1	3	19.6	5.2	14.5	-9.3
FAM195B	0	11.2	5.5	5.7	-0.1
SLC26A6	0	10.5	4.6	5.9	-1.3
NOL7	1	16.4	10.1	6.4	3.7
PIGBOS1	0	7.3	2.9	4.4	-1.5
TMEM185B	2	16.7	4.8	11.9	-7.1
HSBP1L1	2	16.5	4.5	12.0	-7.4
WDR46	6	10.0	1.7	8.3	-6.6
PARG	1	17.9	14.1	3.8	10.3
SCAMP4	8	17.0	3.0	13.9	-10.9
MT-ATP8	5	10.4	3.9	6.5	-2.6
C19orf24	2	22.9	8.7	14.2	-5.5
OST4	0	10.6	5.0	5.6	-0.6
DHFR	5	22.5	10.9	11.6	-0.7
RPL41	8	14.2	1.7	12.5	-10.8
ORM1	4	17.2	10.6	6.6	4.0
ZNF688	11	8.3	0.8	7.5	-6.7
PET100	6	18.7	7.6	11.1	-3.4
ACBD6	3	10.1	3.0	7.0	-4.0
HSBP1	6	24.3	8.4	15.9	-7.5
RPS18	0	12.5	5.4	7.1	-1.7
TAPBP	3	21.5	9.8	11.7	-1.8
TMA7	0	7.7	2.7	5.0	-2.3
MCTS1	0	9.2	4.0	5.1	-1.1
LINC00493	0	10.2	4.1	6.1	-2.0
PET117	0	12.5	4.9	7.6	-2.7
GPX1	0	14.1	5.0	9.1	-4.1
RPS28	8	10.9	3.2	7.7	-4.5
TRIM26	2	23.5	7.0	16.5	-9.5
H2BFS	0	6.6	3.6	3.1	0.5
FAM133B	1	43.1	37.4	5.7	31.7
JRK	0	9.4	4.1	5.3	-1.3
HLA-B	3	20.4	12.5	7.9	4.7
HNRNPUL2-	0	9.7	3.9	5.8	-1.8
ZSCAN31	0	6.8	2.7	4.1	-1.4
C12orf75	5	10.8	2.3	8.5	-6.3
HGH1	13	20.1	3.6	16.5	-12.9
ZBTB22	2	25.1	8.1	17.0	-8.9
ZBED5	1	41.5	37.3	4.2	33.1
CDKN2AIPN	0	18.4	6.4	12.0	-5.6
RGL2	0	19.0	7.8	11.2	-3.4
KIFC1	5	25.7	14.4	11.3	3.1
C2orf74	1	9.2	5.1	4.1	0.9
FAM200B	3	12.3	4.0	8.4	-4.4
C9orf69	10	30.9	4.6	26.3	-21.7
TXNDC5	0	7.1	4.0	3.2	0.8
RNF103	4	11.8	3.2	8.6	-5.4
RBM14	5	24.6	4.8	19.9	-15.1
ALKBH6	0	13.0	4.9	8.1	-3.2
GATS	0	7.7	4.0	3.7	0.2
NME1	5	20.0	5.8	14.2	-8.4

WBP1	0	17.1	7.6	9.4	-1.8
MRPS17	0	15.9	6.0	9.9	-3.9
GET4	2	22.7	9.1	13.6	-4.6
ADSL	5	18.3	4.0	14.3	-10.2
LY6G5B	8	14.3	1.7	12.6	-10.8
PSMB9	3	20.7	10.9	9.8	1.2
PCDHGC3	0	8.9	4.3	4.6	-0.3
COX19	2	18.7	7.0	11.8	-4.8
ACAD11	0	13.1	4.1	9.0	-4.9
PPIL3	1	24.9	21.3	3.6	17.7
ISY1	6	22.7	6.8	16.0	-9.2
TMEM189	0	6.5	3.3	3.2	0.1
RDH14	1	11.3	7.5	3.8	3.7
PLCXD2	0	7.1	2.7	4.4	-1.7
MIF	0	5.4	2.3	3.1	-0.8
NSUN6	1	13.1	10.0	3.1	7.0
YAE1D1	1	22.7	18.3	4.4	13.9
CRCP	0	11.2	4.7	6.5	-1.8
RPL36A	1	7.8	4.1	3.7	0.3
PDXP	2	22.0	9.8	12.2	-2.4
RPP21	2	15.6	4.9	10.6	-5.7
ATP5J2	0	7.1	2.8	4.4	-1.6
AF011889.	1	13.3	6.9	6.3	0.6
ARPC4	0	9.5	4.1	5.3	-1.2
UGT1A1	4	15.6	4.2	11.3	-7.1
ARPC1A	2	11.0	3.4	7.6	-4.3
ATP5O	0	8.7	3.7	5.0	-1.3
PISD	2	13.4	4.6	8.8	-4.2
PI4KA	0	6.9	3.3	3.6	-0.4
AKAP2	0	9.2	2.1	7.1	-5.0
AMACR	4	12.7	5.3	7.4	-2.2
MTFP1	2	15.4	4.8	10.6	-5.7
ARFGAP3	1	13.0	6.5	6.4	0.1
C22orf39	0	12.5	4.5	8.0	-3.5
PEG10	7	8.2	0.7	7.5	-6.8
EIF6	5	13.0	2.7	10.3	-7.6
MRPL20	0	10.9	4.7	6.2	-1.5
ARPIN	0	8.9	4.4	4.5	-0.2
DECR2	4	18.5	6.8	11.8	-5.0
GNG10	1	34.5	27.0	7.5	19.5
AP5Z1	2	18.9	7.2	11.7	-4.5
MRPL33	0	8.4	2.7	5.8	-3.1
MICAL3	3	13.2	5.1	8.2	-3.1
PRAF2	3	15.1	6.8	8.3	-1.5
C7orf73	0	6.4	2.3	4.1	-1.9
KCTD7	0	9.2	4.3	5.0	-0.7
EFNA4	2	21.2	7.9	13.2	-5.3
C4orf48	2	21.4	8.7	12.7	-4.0
NAT6	2	24.1	11.8	12.3	-0.6
IL10RB	0	13.6	5.9	7.7	-1.8
CFB	0	9.4	4.2	5.2	-1.1
WDR92	1	8.2	4.4	3.8	0.6
NME2	2	15.5	5.8	9.7	-4.0
NPIPB5	1	11.1	8.5	2.6	5.8

TTC4	0	9.3	4.4	4.9	-0.6
ZMYM6NB	0	8.6	4.0	4.6	-0.7
MRPS6	0	12.9	4.5	8.4	-3.8
ZNF512	0	5.7	2.3	3.4	-1.2
GSTA1	4	9.1	2.8	6.4	-3.6
ACY1	4	24.0	9.1	14.9	-5.9
NFS1	2	23.0	9.1	13.8	-4.7
DDOST	0	11.3	5.6	5.7	0.0
TMEM199	0	8.7	3.4	5.3	-1.8
DNAJC25-(	1	19.0	11.6	7.3	4.3
P2RY11	8	8.2	1.3	6.9	-5.6
TMEM141	4	20.5	6.2	14.3	-8.2
DBNDD2	0	8.3	3.1	5.3	-2.2
ETV5	0	7.3	3.6	3.7	-0.2
RBM12	0	18.3	6.3	11.9	-5.6
APOBEC3C	3	10.8	4.5	6.4	-1.9
UBE2V1	7	13.3	1.1	12.2	-11.1
N4BP2L2	1	58.1	55.2	2.9	52.3
CEBPA	4	34.0	19.5	14.4	5.1
H2AFJ	0	8.1	3.0	5.1	-2.1
PGAM5	0	21.4	7.0	14.4	-7.4
ZCCHC3	0	21.8	9.6	12.2	-2.6
TWF2	3	11.6	4.5	7.1	-2.7
MARS2	2	24.6	9.3	15.3	-6.0
BCKDHA	0	9.5	4.2	5.3	-1.1
CDK11B	2	15.2	5.5	9.7	-4.2
ABHD14A	0	11.2	4.5	6.7	-2.2
HAUS5	0	12.2	4.5	7.7	-3.2
PDCD6	0	6.6	3.2	3.4	-0.1
TMEM158	3	15.6	5.5	10.1	-4.5
C15orf38-	2	18.9	7.4	11.5	-4.1
ARPC4-TTI	0	7.6	4.1	3.5	0.7
SMIM20	0	5.9	2.7	3.2	-0.5
CHCHD10	4	10.6	3.2	7.4	-4.1
GLI4	13	9.4	1.3	8.1	-6.7
IQCJ-SCHI	0	7.5	1.8	5.7	-4.0
SEPP1	4	13.1	7.1	6.0	1.1
APITD1-C(	0	8.8	2.8	6.0	-3.2
CCDC71L	0	12.7	5.3	7.3	-2.0
TRNP1	4	15.1	3.8	11.4	-7.6
ALG11	1	12.6	8.0	4.7	3.3
ATXN7L3B	2	20.7	7.0	13.7	-6.7
PRKDC	1	53.1	46.2	6.9	39.3
ZNF260	1	22.8	19.7	3.1	16.6
LYN	0	9.2	3.5	5.6	-2.1
PINX1	2	15.3	5.3	10.0	-4.6
AP5B1	2	30.2	13.9	16.3	-2.4
CHMP4A	0	5.4	2.3	3.1	-0.8
FPGT	1	13.6	9.4	4.2	5.2
MEX3A	0	11.4	6.1	5.3	0.8
EEF1G	8	17.2	1.9	15.4	-13.5
MPV17L2	8	25.6	6.4	19.2	-12.7
BORCS8	0	11.7	4.2	7.5	-3.3
DPP3	0	9.0	4.4	4.6	-0.2

ANKHD1-EI	1	7.8	3.6	4.2	-0.6
BRK1	0	9.1	4.5	4.7	-0.2
PIGY	6	24.2	11.4	12.9	-1.5
CHMP1B	0	6.7	3.3	3.4	0.0
RP11-80HI	0	9.8	4.6	5.2	-0.6
EID1	1	31.5	27.4	4.1	23.3
POLR2M	1	11.2	7.4	3.8	3.6
RP11-234E	6	41.6	13.1	28.6	-15.5
APOPT1	0	8.4	3.4	5.0	-1.7
TRAPPC2PI	0	9.4	4.0	5.4	-1.4
HMBS	2	22.5	10.2	12.3	-2.1
DND1	2	34.9	19.1	15.8	3.3
RP11-73MI	0	10.4	3.8	6.6	-2.8
AP003419.	6	20.8	5.3	15.6	-10.3
POLG2	1	16.2	12.6	3.6	9.1
SMIM10L1	0	9.3	4.0	5.3	-1.3
RP11-286N	2	16.0	6.0	10.0	-4.0
RP11-111K	0	9.7	3.9	5.8	-1.9
KIAA1147	0	6.4	2.6	3.8	-1.2
LSM14A	1	73.6	69.3	4.3	64.9
GATC	0	14.6	6.0	8.5	-2.5
FNTB	0	7.4	3.3	4.1	-0.7
RP11-603J	6	77.0	17.2	59.7	-42.5
CNPY2	1	13.3	6.2	7.0	-0.8
RP11-162P	4	12.7	5.1	7.7	-2.6
CUX1	0	11.1	4.9	6.2	-1.3
TEN1	0	6.4	2.9	3.5	-0.6
CHURC1	6	35.7	7.0	28.6	-21.6
C17orf49	10	20.7	1.2	19.5	-18.4
RTEL1	2	14.0	4.6	9.4	-4.7
PDF	2	48.0	26.7	21.3	5.5
BCL2L2-PA	0	11.9	5.1	6.8	-1.7
SYNJ2BP-C	6	48.7	16.9	31.8	-15.0
RNASE4	4	13.2	5.3	7.9	-2.6
CEP95	1	34.2	30.7	3.5	27.2
TUBB3	0	6.9	3.0	3.9	-1.0
RP11-298I	6	26.1	6.4	19.7	-13.3
CTD-2116N	7	26.2	3.1	23.1	-20.0
TGIF2-C2C	6	56.6	13.6	43.0	-29.4
THTPA	2	14.3	5.1	9.1	-4.0
MRPL46	4	21.3	6.7	14.6	-7.8
RP11-468E	1	18.5	13.3	5.2	8.2
RBM15B	2	31.6	14.7	16.9	-2.2
HOXB7	0	5.0	1.9	3.1	-1.2
RP11-1035	1	11.6	6.5	5.1	1.4
RP11-343C	0	14.4	6.9	7.5	-0.6
CCPG1	1	26.5	22.9	3.6	19.4
ZNF865	2	43.1	20.9	22.1	-1.2
BOP1	13	20.7	3.4	17.4	-14.0
RP11-345J	2	29.1	12.4	16.8	-4.4
CORO7	12	12.3	1.4	10.9	-9.5
OVCA2	2	24.5	10.9	13.6	-2.7
MRPL12	5	26.1	5.3	20.8	-15.5
FAM58A	0	14.7	6.6	8.1	-1.5

GTF2I	1	17.5	12.3	5.2	7.1
SRSF8	2	14.8	6.2	8.6	-2.3
IKBKE	2	16.8	4.4	12.3	-7.9
DYNLL2	0	10.0	3.9	6.1	-2.3
OTUD7B	9	10.9	3.2	7.7	-4.6
RBM8A	9	11.3	1.1	10.2	-9.2
TIMM23	5	11.2	2.1	9.1	-7.0
RNF115	9	7.5	2.0	5.5	-3.5
RPL17	0	8.2	3.4	4.7	-1.3
SEC22B	1	11.1	5.7	5.4	0.3
TXNIP	0	5.8	2.4	3.3	-0.9
SRGAP2	3	17.9	8.0	9.9	-1.9
BAHCC1	0	11.5	4.6	6.9	-2.3
RP11-159I	1	11.7	7.2	4.5	2.6
STRADA	0	8.9	4.4	4.5	0.0
NBPF15	9	10.1	1.2	8.9	-7.7
NCOA4	1	10.1	7.5	2.6	4.9
MRPS21	9	7.2	0.9	6.4	-5.5
MYO15B	4	13.4	4.3	9.1	-4.8
AARSD1	0	11.4	4.3	7.1	-2.7
AC005943.	6	12.2	4.1	8.1	-4.0
RP11-49K2	6	44.4	14.7	29.6	-14.9
FDX1L	8	23.6	6.4	17.2	-10.8
ZNF224	1	17.9	15.2	2.7	12.5
LUZP6	6	69.1	21.9	47.2	-25.3
LIN37	0	8.2	3.7	4.5	-0.8
NDUFA7	8	20.9	6.5	14.4	-8.0
AC104534.	6	31.7	8.0	23.7	-15.7
RP3-461F1	0	17.2	6.6	10.6	-4.0
CTC-429P9	1	24.7	18.2	6.5	11.8
FBXO17	0	7.4	3.3	4.1	-0.8
IKBKG	0	13.2	6.5	6.8	-0.3
TMEM185A	0	6.3	3.3	3.0	0.3
NBPF9	2	13.2	3.9	9.3	-5.5
EGLN2	2	10.9	3.6	7.3	-3.6
COMMD3-BM	0	10.1	3.8	6.4	-2.6
C7orf55-I	6	24.8	8.9	15.9	-7.0
NCBP2-AS2	2	32.8	15.3	17.5	-2.2
TAF15	1	16.1	12.5	3.5	9.0
HSPE1-MOF	6	72.9	16.6	56.3	-39.6
RPS10-NUI	6	13.2	3.8	9.4	-5.6
SRXN1	0	10.0	4.6	5.5	-0.9
LIX1L	3	9.7	3.4	6.4	-3.0
NUDT3	0	8.5	3.9	4.5	-0.6
KMT2B	0	4.2	2.0	2.1	-0.1
POM121C	0	12.6	6.5	6.1	0.4
CD24	0	8.2	3.0	5.2	-2.2
FAM47E-ST	0	7.3	2.0	5.3	-3.4
ZNF595	0	8.7	2.9	5.8	-2.9
RP11-343C	6	48.2	13.1	35.0	-21.9
DCP1A	0	10.7	4.5	6.2	-1.6
RP11-574K	0	9.9	4.7	5.2	-0.5
RP11-500M	6	55.1	14.3	40.8	-26.5
SNURF	6	12.4	3.4	9.0	-5.6

CWC25	0	5.7	2.1	3.6	-1.5
ZNHIT3	0	10.7	4.1	6.7	-2.6
CYFIP1	0	6.8	3.2	3.5	-0.3
TAF9	1	47.2	41.0	6.2	34.8
NOL12	2	21.7	8.3	13.4	-5.2
SOCS7	0	12.1	5.6	6.5	-0.8
WBSCR16	2	19.4	7.4	12.0	-4.7
MLLT6	0	7.5	3.7	3.9	-0.2
PPP4R3B	1	62.5	59.1	3.4	55.6
SYNRG	0	8.1	4.0	4.1	-0.2
SGK223	2	19.6	6.8	12.8	-6.0
HNF1B	0	11.7	4.7	7.0	-2.4
AATF	5	11.2	2.7	8.5	-5.8
ARHGAP23	3	14.2	8.0	6.2	1.8
TUBGCP5	1	16.7	12.8	4.0	8.8
DUSP14	0	10.8	4.3	6.5	-2.2
UHRF1	5	17.6	6.9	10.7	-3.8
ORAI1	2	23.4	8.8	14.6	-5.8
TADA2A	0	10.8	4.3	6.5	-2.1
PIP4K2B	0	14.4	7.8	6.6	1.2
PIGW	0	7.8	2.9	4.9	-2.0
PCGF2	0	5.7	2.9	2.8	0.1
MARCKS	0	6.7	2.9	3.8	-0.9
AC009133.	11	16.9	1.3	15.6	-14.4
PSMB3	5	21.5	4.7	16.8	-12.1
CISD3	0	21.2	7.0	14.1	-7.1
DDX52	1	20.3	15.9	4.4	11.5
MYO19	5	10.4	2.0	8.4	-6.5
GGNBP2	1	69.5	66.4	3.1	63.4
DHRS11	2	26.8	12.2	14.5	-2.3
ACACA	1	12.1	6.1	6.1	0.0
C11orf98	0	16.8	5.8	11.0	-5.2
MRM1	2	40.0	21.7	18.3	3.5
MRPL45	0	15.3	5.0	10.3	-5.3
AL109927.	6	38.8	17.5	21.3	-3.8
AC006449.	0	7.6	3.7	3.9	-0.1
AC008522.	3	12.1	4.9	7.2	-2.3
AC009065.	6	10.5	1.7	8.8	-7.1
AL589743.	0	5.6	2.4	3.2	-0.8
AP000769.	1	18.8	16.1	2.8	13.3
AC008074.	1	26.4	22.5	3.9	18.6
AL513523.	9	13.4	4.0	9.4	-5.3
AC004813.	0	10.0	3.9	6.0	-2.1
AC110615.	1	30.3	24.6	5.7	19.0
PAGR1	11	32.0	5.0	27.1	-22.1
CTD-2574I	6	16.5	4.0	12.5	-8.5
2-Mar	8	13.4	2.1	11.3	-9.3
AKR1C3	0	17.0	6.8	10.2	-3.4
MATR3	1	68.4	63.1	5.3	57.7
RABL6	0	7.9	2.4	5.5	-3.1
TMBIM4	1	8.8	5.6	3.2	2.3

Table S2 All the Differential expressed modules(DEMs) in different HCC development stages

Module	HCC vs. normal	HCC vs. HCV	HCV vs. normal	HCC vs. HCC_cirrhosis
1				
2	1.00E-07	<1E-7	1.00E-07	3.00E-04
3	<1E-7	<1E-7	<1E-7	
4	<1E-7		4.00E-05	
5	<1E-7	1.00E-07		0.001
6	<1E-7	<1E-7	<1E-7	1.00E-05
7	<1E-7			
8	0.002	8.00E-04	0.003	2.00E-04
9	<1E-7	<1E-7	1.00E-07	3.00E-07
10	2.00E-04	8.00E-07	<1E-7	6.00E-05
11		6.00E-07		7.00E-04
12		8.00E-04		0.001
13	4.00E-05	7.00E-04	1.00E-05	4.00E-05

Table S3 Switch genes identified during HCC development

FAM214B	SIRT6	BRF2	ZBTB17	WDR74	PSEN2	IL17RC	C2CD2L	PRKAR1B
CRLF1	TCF7	SH2D4A	KDM5B	IPO8	SOX13	CRELD1	RARG	NDOR1
ARSD	KIAA0141	KCNN4	CDC20	MICAL2	COPS7B	ELP6	DCAKD	POM121
ST7L	REST	NFKBIB	NENF	RBM17	OSBPL10	RPN1	SNCG	CACNA1H
NADK	KIF3C	PPP6R1	PHF3	DHX34	GNA12	IFT122	VEGFB	ZNF512B
SPAG9	BCORL1	DYRK1B	TGIF2	STT3A	TMEM209	PLXNB1	PEAK1	GM2A
NFIX	RAD54L	MEGF8	UBN1	PSAT1	RPL10	ITGA2	CHD2	S100A2
ST3GAL1	MAST2	DBP	DCAF4	HNF1A	CHMP7	ERAP1	C11orf80	C6orf106
IFFO1	SRRT	DDX49	TTLL5	TRAFD1	GINS4	PHKG1	CBX2	LAMB3
PHF7	CNOT3	SUGP1	SIL1	ATP5G2	VLDLR	INTS1	SPTBN2	PDLIM7
HFE	EPB41L1	CADM4	SORBS3	GDF11	PTGES2	DCAF13	ZDHHC24	RPE
MKS1	SLC8B1	CDK6	TRIM25	TROAP	TUT1	GTF2A1	SLC29A2	PHF2
POLA2	RAB11FIP3	WDR91	MAPK8IP1	B4GALNT1	MTA2	NSD1	BRMS1	TEAD4
NUDCD3	CERS4	CASP2	PEX16	FBXL8	PLCB3	ENOX2	HRAS	ZBTB14
B4GALT7	EFNB1	MOSPD3	ZC3H13	VPS45	TAOK2	SNAPC4	PACS1	TFDP1
BRD9	DTX2	AP1S1	VAPB	HS6ST1	DCUN1D2	NSMF	ZNF408	WWP2
RABEP1	CDC45	DNM1	ARFGEF2	ODF2	NUBPL	ZNF219	ATG13	MAFK
BAK1	CRAT	RAPGEF1	BCAS4	ST6GALNAC	BICD1	UBTD1	TOM1L2	GPATCH3
ATP6V0A1	ITPR3	ABCA2	BTN2A2	USP20	CENPJ	RPUSD2	SFN	SREBF2
PEX3	SCD	GIT1	MED20	DSCC1	MGAT5	TRMT61A	LPCAT4	ATG9A
VCL	TMED1	RNF43	KLHDC3	TUBB2B	SREK1IP1	POLL	WDR25	APRT
FBXO42	MZF1	DRG2	C16orf70	MDC1	RMND5A	FRS2	SGF29	GDI1
PQLC2	MYO9B	B9D1	ARMC7	CREBZF	MPPE1	ATP9B	POLE	TRAF3IP1
THAP3	CEP170B	CYTH1	MBOAT7	ITPKA	NRG1	PLK1	SLC25A22	BMPR2
GEMIN8	KLHL22	RAB5C	OPA3	APH1B	TNFRSF14	DOLPP1	PIDD1	FKBPL
RRP12	GTPBP1	MFSD10	RTN2	PPCDC	FANCC	C15orf39	POLR2L	DXO
FOXN3	RHBDD3	NCAPG	EML2	NABP2	MRAS	DUS2	BET1L	VARS
USE1	TAB1	DNAJC4	ZNF133	MAP3K12	SPATA2L	AXL	ERN1	MSH5
RC3H2	KCTD17	SNX15	NCLN	RAB15	DMTN	TRAPPC9	FARSA	PRR3
PTPRU	TRMU	TRIM3	MMP24	BAHD1	CHAF1B	CHAF1A	SAMD4B	GNL1
TNK2	SGK2	CEP164	EIF2S2	PML	HLCS	SEMA6B	CALR	DCTN1
POLD1	HNF4A	AMBRA1	KDM5C	UNC45A	ATP13A2	MLST8	GATA2	ADGRG1
GPC1	PFDN4	MADD	XRCC3	DHX38	RGS12	SCARA3	PHLDA2	KRT81
HIPK2	ARFGAP1	SLC35F2	LRRC61	OSGIN1	ARHGAP35	POLR2J3	GINS3	CPT1B
ABCA7	EEF1A2	P3H3	IDUA	GAS8	WDR4	COG7	PYCR1	CEMP1
SLC9A3R2	C20orf27	OGFOD2	SLC35E1	KSR1	RRP1B	SERINC2	TRAIP	SLC48A1
TMEM206	ARFRP1	STX2	PKMYT1	PELP1	CACFD1	ZSWIM1	PGP	MXD3
STOML1	POFUT1	ING4	RBM48	WRAP53	MED27	ZNF507	C22orf46	PPME1
DGCR2	E2F1	CDCA3	CD68	ARHGDIA	FAM189B	CD2BP2	TSSC4	ZSWIM8
RNF126	ACTR5	USP5	KIF1C	TBCD	ORAI2	RGS14	CSF1	MYL5
TCOF1	SUV39H1	SLC39A7	ASH2L	CEP131	DVL3	LUZP1	THAP7	C19orf24
MBD3	CCDC22	CUL9	GAMT	ELAC1	FDXR	RAC3	MED12	RPS28
SPEG	UBL4A	HMGXB3	GTPBP3	FKBP10	TMEM143	ZNF768	DDX51	JRK
ZZEF1	NDRG4	BNIP1	TUBGCP2	PFKL	EMC10	CHD3	GAS2L1	KIFC1
TTC38	VAC14	PFKFB4	TAF4	IFNAR1	CCNF	ZNF282	RAD51D	AP5Z1
ACAT1	SLC7A6	COL7A1	TMEM160	URB1	AMDHD2	NFRKB	ZNF696	NAT6
VPS9D1	NPRL3	PLXNA1	MAP3K10	GEMIN7	PAQR4	IRF2BP1	PCYT2	P2RY11
WDR62	USP10	MAPKAPK3	PPFIA1	RNPEPL1	CLPB	POLH	RASA3	ATXN7L3B
MKRN2	TSC2	KANSL3	STARD3	RERE	TAF6L	NUDT6	NF2	IKBKE
SLC46A1	NARFL	ABCB6	LLGL1	TARS2	STX5	ATP6V0E2	UBE2H	STRADA
XAB2	FAM173A	HDLBP	FAAP24	ARNT	ZFPL1	ZNF692	PPARA	MYO19
STXBP2	FBXO31	HPCAL1	CC2D1A	ATP8B2	TGFBR2	GAA	IFT140	MRM1
MAP2K7	KNOP1	MIIP	NUP210	ADAM15	ANKZF1	BCL2L1	ZNF286A	RABL6

	AAGAB	SMG7	PRMT7	C1orf35	HDAC11	FGG	AGRN	

Table S4 Drug-ME correlation matrix for LIMORE

	ME5	ME6	ME1	ME7	ME3	ME9	ME4	ME8	ME10	ME13	ME12	ME2	ME11
AT-7519	-0.073	-0.295	-0.154	-0.234	-0.042	0.194	0.325	0.081	0.083	0.073	0.055	0.165	-0.022
AZD7762	-0.006	-0.350	-0.338	-0.290	-0.172	0.303	0.508	0.195	0.170	0.237	0.384	0.358	0.300
Belinostat	-0.030	-0.311	-0.189	-0.206	-0.044	0.218	0.317	0.094	0.098	0.180	0.124	0.145	0.075
BEZ235	-0.250	-0.254	-0.135	-0.311	-0.210	0.163	0.356	0.116	0.097	0.092	0.155	0.239	0.132
BGJ398	-0.114	-0.230	-0.225	-0.281	-0.040	0.306	0.297	0.014	0.030	0.312	0.313	0.213	0.166
BI2536	-0.029	-0.244	-0.375	-0.325	0.089	0.198	0.340	0.244	0.076	0.092	0.310	0.266	0.220
Bosutinib	-0.143	-0.116	-0.216	-0.249	-0.149	0.205	0.334	0.149	0.185	0.188	0.350	0.229	0.159
BX-912	-0.039	-0.003	-0.093	-0.113	-0.249	0.124	0.400	0.081	0.023	0.066	0.118	0.156	0.025
Carfilzomib	-0.110	-0.209	-0.008	-0.132	-0.146	0.293	0.305	-0.083	-0.029	0.094	0.135	0.007	-0.024
CB-839	-0.062	-0.105	-0.109	-0.157	-0.226	0.084	0.323	-0.121	0.195	0.168	0.395	0.183	0.069
Cisplatin	-0.019	-0.080	-0.155	-0.109	-0.165	0.048	0.320	0.221	0.007	-0.018	0.058	0.181	-0.016
Cobimetinib	0.013	-0.092	-0.327	-0.229	-0.141	0.522	0.254	-0.036	0.118	0.348	0.471	0.354	0.411
CP-466722	-0.191	-0.139	-0.030	-0.155	-0.312	0.235	0.301	-0.028	0.162	0.123	0.227	0.155	0.039
Crizotinib	-0.064	-0.154	-0.140	-0.157	-0.132	0.120	0.354	0.054	0.049	0.124	0.311	0.139	0.119
Daporinad	-0.061	-0.286	-0.293	-0.230	0.128	0.181	0.329	0.216	0.001	0.143	0.033	0.145	0.101
Dasatinib	-0.097	-0.193	-0.203	-0.247	-0.375	0.298	0.541	0.049	0.243	0.232	0.373	0.287	0.213
Dovitinib	-0.130	-0.278	-0.137	-0.253	-0.113	0.207	0.385	0.067	-0.046	0.120	0.296	0.114	0.150
Doxorubicin	-0.079	-0.291	-0.393	-0.356	0.158	0.314	0.318	0.122	0.028	0.281	0.248	0.323	0.233
Epirubicin	-0.083	-0.277	-0.410	-0.384	0.092	0.396	0.375	0.111	0.114	0.275	0.297	0.364	0.218
Erastin	-0.244	-0.327	-0.206	-0.412	-0.085	0.382	0.320	-0.019	0.110	0.413	0.147	0.218	0.122
Etoposide	-0.082	-0.154	-0.210	-0.208	0.025	0.159	0.313	-0.014	-0.017	0.168	0.165	0.149	0.112
Foretinib	0.035	-0.228	-0.316	-0.209	-0.075	0.218	0.253	0.222	0.094	0.216	0.362	0.348	0.398
Ganetespib	0.013	-0.132	-0.158	-0.073	0.131	0.394	0.032	-0.107	0.025	0.228	0.186	0.112	0.069
GSK126	-0.147	-0.237	-0.232	-0.308	0.122	0.224	0.167	-0.028	0.029	0.169	0.139	0.172	0.255
Ibrutinib	-0.084	0.036	-0.130	-0.123	-0.150	0.198	0.168	-0.042	0.082	0.222	0.324	0.176	0.225
Ispinesib	-0.136	-0.061	-0.168	-0.221	-0.310	0.111	0.356	0.205	0.253	0.012	0.268	0.291	0.144
JNJ-26854165	0.008	-0.110	-0.296	-0.282	-0.033	0.311	0.341	0.083	-0.024	0.209	0.206	0.284	0.163
Methotrexate	0.030	0.142	-0.033	0.006	0.326	0.095	######	-0.050	-0.177	-0.197	-0.148	-0.167	-0.022
Paclitaxel	-0.160	-0.177	-0.155	-0.307	-0.178	0.183	0.387	0.041	0.030	0.200	0.195	0.162	0.098
Palbociclib	-0.206	-0.292	-0.163	-0.307	0.059	0.240	0.246	0.130	-0.104	0.133	0.011	0.068	0.141
Panobinostat	-0.034	-0.338	-0.240	-0.210	0.124	0.224	0.257	0.126	0.117	0.159	0.067	0.118	0.070
PF-562271	-0.065	-0.264	-0.179	-0.235	-0.140	0.122	0.434	0.041	0.012	0.015	0.180	0.221	0.042
PI-103	-0.086	-0.275	-0.300	-0.348	-0.202	0.418	0.529	-0.036	0.139	0.408	0.509	0.336	0.272

Piperlongumine	-0.230	-0.270	-0.131	-0.327	-0.138	0.310	0.433	-0.074	-0.041	0.118	0.301	0.126	0.051
Pirarubicin	-0.124	-0.184	-0.293	-0.337	0.080	0.254	0.295	0.086	-0.034	0.098	0.158	0.219	0.137
Ponatinib	-0.191	-0.266	-0.268	-0.372	-0.126	0.373	0.385	0.073	0.084	0.261	0.264	0.287	0.199
Ruxolitinib	-0.125	-0.016	-0.142	-0.215	-0.275	0.040	0.393	0.028	-0.046	0.136	0.233	0.191	0.241
Simvastatin	-0.094	-0.057	-0.033	-0.144	-0.554	0.167	0.479	-0.067	0.184	0.219	0.430	0.198	0.166
Sunitinib	0.065	-0.166	-0.248	-0.174	0.086	0.225	0.185	0.077	0.089	0.307	0.209	0.212	0.106
TAE684	-0.052	-0.166	-0.062	-0.141	-0.299	0.167	0.435	0.017	-0.070	0.120	0.307	0.126	0.152
Tipifarnib	-0.074	-0.166	-0.262	-0.307	-0.019	0.268	0.375	0.106	0.074	0.116	0.177	0.164	0.171
Tivantinib	-0.091	-0.008	-0.042	-0.188	-0.347	0.104	0.367	0.079	0.088	0.056	0.176	0.126	0.036
Trametinib	0.053	-0.063	-0.105	0.029	-0.160	0.232	0.084	-0.196	0.084	0.260	0.360	0.185	0.296
Vinblastine	-0.146	-0.087	-0.058	-0.235	-0.322	0.051	0.434	0.086	0.102	0.050	0.136	0.125	0.003
Vorasidenib	-0.082	-0.063	-0.180	-0.238	-0.184	0.239	0.362	0.019	0.118	0.140	0.124	0.218	0.034
YK-4-279	-0.076	-0.007	-0.096	-0.180	-0.365	0.106	0.382	0.117	0.120	0.121	0.208	0.193	0.098
YM155	-0.067	-0.131	-0.128	-0.209	-0.222	0.265	0.422	0.048	-0.036	-0.030	0.329	0.192	0.148

Table S5 Drug-ME correlation matrix for LCCL

	ME1	ME2	ME3	ME4	ME5	ME6	ME7	ME8	ME9	ME10	ME11	ME12	ME13
Doxorubicin	-0.107	-0.409	0.162	-0.120	-0.192	-0.384	-0.086	-0.285	0.579	0.000	-0.186	-0.296	-0.070
Entinostat	0.054	-0.052	0.205	-0.391	0.067	0.101	0.186	0.199	-0.028	0.032	0.328	-0.031	0.072
Alvespimycin	-0.569	-0.148	0.375	-0.214	-0.345	-0.335	-0.342	0.298	-0.073	0.004	0.186	0.149	0.224
Tanespimycin	-0.345	-0.390	0.500	-0.429	-0.400	-0.359	-0.235	0.073	0.108	0.088	0.044	-0.257	0.031
Bortezomib	0.003	-0.219	0.029	-0.059	-0.110	-0.052	-0.015	-0.070	-0.078	0.014	0.158	-0.245	0.072
Selumetinib	-0.097	0.009	0.182	-0.120	0.163	0.035	0.161	0.294	-0.047	0.000	0.218	0.015	0.059
Trametinib	0.140	0.161	0.094	-0.327	0.310	0.237	0.388	-0.041	0.053	-0.002	0.192	0.197	0.211
Linsitinib	-0.020	-0.416	0.415	-0.463	-0.055	-0.031	0.115	-0.030	-0.010	-0.171	0.081	-0.232	-0.038
Dasatinib	0.066	0.173	-0.103	-0.032	0.011	0.188	0.092	0.156	0.177	-0.074	0.102	0.211	0.050
Navitoclax	0.126	0.130	0.040	-0.317	0.005	0.269	0.120	0.208	0.127	0.177	0.415	0.321	0.077
Tivantinib	-0.197	-0.019	-0.045	0.067	-0.368	-0.131	-0.387	0.177	0.125	0.244	0.173	0.153	0.117
Rapamycin	-0.182	-0.301	0.407	-0.304	-0.205	-0.277	-0.108	-0.020	0.075	0.096	-0.040	-0.085	-0.097
PF.04691502	0.288	0.123	-0.139	0.003	0.135	0.332	0.178	-0.077	-0.265	-0.066	0.366	0.185	-0.197
Paclitaxel	-0.390	-0.304	0.326	-0.174	-0.549	-0.367	-0.400	0.272	0.299	0.186	0.110	-0.189	-0.041
Vinblastine	0.005	-0.282	0.020	0.044	-0.314	-0.123	-0.200	0.072	0.184	0.038	0.076	-0.294	-0.209
JNJ.38877605	0.125	0.034	0.068	-0.132	0.005	0.151	0.133	-0.003	-0.480	-0.124	-0.014	-0.142	-0.202
PHA.665752	0.070	-0.445	0.325	-0.369	-0.133	-0.134	0.103	-0.263	-0.144	-0.168	-0.080	-0.392	-0.388
BLU.9931	0.012	-0.154	0.247	-0.290	-0.055	-0.078	0.127	-0.084	0.143	-0.021	-0.106	-0.233	0.167
Regorafenib	-0.093	0.014	0.202	-0.205	-0.150	-0.093	-0.084	0.029	0.074	0.004	0.174	0.026	-0.013
Refametinib	-0.132	-0.008	0.327	-0.402	0.113	-0.072	0.181	0.040	-0.063	0.152	0.161	0.061	0.226
ICG.001	-0.061	-0.346	0.302	-0.322	-0.048	-0.158	0.106	-0.119	-0.114	0.163	-0.080	-0.076	-0.257
Sorafenib	-0.403	-0.378	0.482	-0.386	-0.408	-0.383	-0.230	-0.089	0.201	-0.025	-0.023	-0.156	-0.069
Sorafenib_MK.220	-0.165	-0.350	0.489	-0.529	-0.067	-0.141	0.170	0.073	0.040	-0.177	0.123	-0.188	-0.128
MK.2206	0.003	-0.304	0.258	-0.331	-0.031	-0.054	0.171	-0.013	-0.025	-0.332	0.170	-0.229	-0.234
Resminostat	0.183	-0.294	0.257	-0.379	0.109	0.105	0.336	-0.149	-0.088	-0.165	0.081	-0.498	-0.131
Sorafenib_Resmin	0.046	-0.262	0.262	-0.300	0.020	0.062	0.227	-0.194	0.071	-0.297	0.020	-0.433	-0.148
Alisertib	-0.340	-0.414	0.241	0.013	-0.441	-0.462	-0.348	-0.107	0.072	0.178	-0.056	-0.217	-0.070
CD532	-0.637	-0.267	0.326	0.074	-0.528	-0.574	-0.561	0.281	0.143	-0.012	-0.027	0.033	0.081
Lenvatinib	-0.303	-0.161	0.333	-0.254	-0.142	-0.369	-0.079	-0.140	0.090	0.137	0.011	-0.167	0.141
Cabozantinib	0.131	-0.279	0.211	-0.338	-0.149	-0.012	0.097	0.078	-0.061	-0.036	0.140	-0.179	-0.276

Table S6 ME matrices for LIMORE

ArrayName	ME5	ME6	ME1	ME7	ME3	ME9	ME4	ME8	ME10	ME13	ME12	ME2	ME11
CLC10	-0.070	0.037	-0.013	-0.072	0.119	0.113	-0.103	-0.005	0.035	0.012	-0.030	-0.088	-0.010
CLC11	0.065	0.059	0.055	0.109	0.084	-0.264	-0.103	0.119	-0.022	-0.128	-0.166	-0.078	0.001
CLC12	0.000	0.056	0.036	-0.022	0.008	0.063	-0.048	-0.116	0.004	0.022	-0.125	-0.043	-0.093
CLC13	0.065	0.084	0.115	0.067	-0.237	-0.059	0.005	0.018	-0.139	-0.055	0.054	-0.035	-0.014
CLC14	0.063	0.057	0.067	0.094	0.067	-0.104	-0.099	0.011	-0.019	-0.017	-0.158	-0.087	-0.140
CLC15	-0.053	-0.301	0.004	-0.050	-0.049	0.152	0.136	0.084	0.004	0.069	0.044	0.007	0.088
CLC16	0.018	0.040	0.078	0.037	0.045	-0.001	-0.167	-0.055	-0.157	0.051	-0.009	-0.065	-0.095
CLC17	-0.087	0.000	0.034	-0.100	-0.010	0.159	0.106	-0.343	-0.315	-0.071	0.158	-0.097	0.085
CLC18	0.037	0.046	0.062	0.063	-0.035	0.119	0.050	-0.191	-0.033	0.177	-0.028	-0.097	-0.081
CLC19	-0.019	-0.110	0.008	-0.056	-0.177	-0.064	0.194	-0.025	-0.064	-0.146	0.020	0.075	0.140
CLC1	-0.012	0.045	0.044	-0.052	0.107	-0.029	-0.160	-0.029	0.079	-0.028	-0.114	-0.071	-0.066
CLC20	0.007	0.071	-0.141	-0.115	0.116	0.071	-0.045	0.015	-0.075	-0.088	-0.031	0.072	0.207
CLC21	-0.018	0.038	0.023	-0.025	0.111	-0.151	-0.053	0.050	-0.037	-0.138	-0.152	-0.095	-0.073
CLC22	-0.296	0.024	0.021	-0.256	0.076	0.013	0.021	-0.119	0.058	-0.023	-0.093	-0.086	-0.065
CLC23	0.029	0.070	-0.123	-0.071	0.092	0.107	0.040	-0.012	0.058	0.011	0.056	0.064	0.017
CLC24	-0.058	0.016	0.026	-0.072	0.026	-0.119	0.123	0.060	-0.281	-0.121	0.008	-0.091	-0.016
CLC25	-0.009	0.049	0.002	-0.026	0.069	0.251	-0.104	-0.205	0.052	0.152	0.059	-0.048	0.133
CLC26	-0.041	0.041	0.037	-0.051	-0.025	-0.121	0.105	-0.153	-0.212	0.065	0.080	-0.057	-0.009
CLC27	0.008	0.036	0.050	0.059	0.065	0.235	-0.030	-0.109	-0.254	-0.027	-0.061	-0.114	-0.100
CLC28	0.042	0.057	0.054	0.068	0.079	-0.144	-0.080	0.038	-0.219	0.040	0.064	-0.087	0.002
CLC29	0.111	0.053	0.001	0.094	0.085	0.032	-0.069	0.030	-0.137	-0.027	-0.187	-0.061	-0.160
CLC2	0.018	0.044	0.024	0.026	0.028	0.158	0.033	-0.027	-0.027	0.013	-0.129	-0.069	0.036
CLC30	0.049	0.042	0.005	0.035	0.103	-0.015	-0.140	0.004	0.095	-0.002	-0.052	-0.056	-0.039
CLC31	0.037	0.046	0.045	0.041	0.049	-0.056	0.017	-0.018	-0.238	0.083	-0.175	-0.074	-0.171
CLC32	-0.728	-0.220	0.053	-0.340	0.092	-0.098	-0.140	-0.004	-0.009	-0.100	-0.058	-0.036	0.076
CLC33	-0.023	-0.287	-0.008	-0.038	0.057	0.069	0.013	-0.105	0.042	0.157	0.158	-0.001	0.168
CLC34	0.008	-0.284	0.020	0.043	0.142	0.037	-0.140	-0.047	0.065	0.007	-0.034	-0.010	-0.010
CLC35	0.005	-0.252	-0.054	-0.028	0.108	0.059	0.018	-0.009	-0.052	0.093	-0.017	0.025	-0.041
CLC36	-0.044	-0.245	-0.009	-0.044	0.112	-0.059	-0.037	0.015	0.036	-0.070	-0.156	-0.023	0.017
CLC37	0.095	-0.171	-0.163	-0.053	0.059	0.130	0.080	0.164	0.137	0.078	0.156	0.135	0.071
CLC38	-0.022	-0.231	-0.033	-0.088	-0.064	0.098	0.164	0.223	0.021	-0.108	-0.075	0.051	-0.058
CLC39	0.082	-0.219	0.011	0.075	0.076	-0.045	-0.108	0.130	0.110	-0.051	-0.053	0.009	0.130
CLC3	-0.408	0.081	0.049	-0.278	-0.142	0.008	0.001	0.065	0.027	0.103	-0.031	0.045	-0.052

CLC40	-0.001	-0.168	-0.060	-0.081	-0.104	0.028	0.201	0.020	0.061	0.082	0.200	0.107	0.050
CLC41	0.047	-0.090	-0.328	-0.183	0.055	0.110	0.100	0.268	0.209	0.287	0.144	0.342	0.216
CLC42	0.035	-0.089	-0.115	-0.035	-0.105	0.242	0.148	0.084	0.154	0.021	0.267	0.239	0.083
CLC43	0.047	-0.088	-0.034	-0.017	-0.167	0.087	0.157	0.047	0.048	0.121	0.141	0.174	0.072
CLC44	0.022	-0.142	-0.371	-0.213	0.132	0.160	0.092	0.222	0.188	0.172	0.042	0.302	0.228
CLC45	0.039	-0.134	-0.229	-0.164	0.007	0.044	0.192	0.109	0.067	0.243	0.135	0.192	0.211
CLC46	0.073	-0.107	-0.332	-0.156	0.104	0.038	0.107	0.215	0.189	0.166	0.238	0.290	0.191
CLC47	0.060	-0.138	-0.372	-0.177	0.126	0.174	0.034	0.287	0.262	-0.029	0.141	0.355	0.250
CLC48	-0.029	-0.173	-0.055	-0.066	0.128	-0.127	-0.019	0.094	0.050	0.001	-0.124	0.054	0.038
CLC49	0.020	-0.110	-0.125	-0.042	0.031	0.085	0.064	0.160	0.122	0.176	0.066	0.180	0.112
CLC4	-0.017	0.033	0.018	-0.043	-0.155	0.093	0.167	0.044	-0.018	-0.064	0.194	-0.024	0.030
CLC50	0.049	-0.093	-0.343	-0.200	0.006	0.075	0.144	0.154	0.275	0.225	0.211	0.324	0.325
CLC5	0.042	0.059	0.053	0.055	0.110	0.052	-0.129	0.067	0.004	-0.232	-0.071	-0.077	-0.083
CLC6	-0.036	0.042	-0.079	-0.071	0.108	0.051	-0.018	-0.090	-0.036	0.031	0.164	-0.005	0.099
CLC7	0.000	0.086	0.063	0.026	-0.070	0.010	0.083	-0.117	0.041	0.005	-0.049	-0.088	-0.046
CLC8	0.019	0.048	0.059	0.095	0.083	0.045	-0.136	-0.013	-0.022	0.164	-0.013	-0.090	-0.072
CLC9	0.044	0.052	0.064	0.074	0.098	-0.022	-0.089	0.064	0.020	-0.271	-0.177	-0.087	-0.200
Hep3B	0.017	0.033	-0.060	-0.109	-0.103	0.049	0.156	0.174	-0.003	0.001	-0.017	0.012	0.086
HepG2	0.039	0.103	0.023	0.034	-0.265	-0.183	0.148	0.006	0.020	-0.034	0.167	0.079	0.092
HLE	0.111	0.092	0.088	0.186	0.012	-0.166	-0.161	-0.102	-0.114	-0.062	0.044	-0.053	0.003
HLF	0.077	0.114	0.040	0.127	0.039	-0.074	-0.148	-0.060	-0.079	-0.162	0.104	-0.001	0.031
Huh1	-0.060	0.087	0.066	-0.011	-0.193	0.105	0.143	-0.094	0.033	-0.043	0.094	0.009	-0.157
Huh6	0.029	0.057	0.094	0.071	-0.164	-0.204	0.125	-0.081	-0.075	0.036	-0.017	-0.082	-0.089
Huh7	0.040	0.056	0.083	0.089	-0.198	-0.154	0.130	0.040	0.072	-0.033	-0.047	-0.068	-0.115
JHH1	0.002	0.075	0.064	0.044	-0.094	-0.067	-0.049	-0.112	0.074	-0.016	0.078	0.009	-0.045
JHH2	-0.082	0.049	-0.052	-0.093	0.083	-0.103	-0.039	0.125	-0.001	0.121	0.148	0.027	0.063
JHH4	0.041	0.067	0.043	0.039	0.060	0.004	-0.092	-0.042	-0.065	-0.085	0.010	-0.014	-0.082
JHH5	0.057	0.082	0.082	0.075	-0.226	-0.052	0.160	-0.023	0.042	-0.027	-0.054	0.008	-0.149
JHH6	0.065	0.078	0.059	0.175	0.071	-0.097	-0.138	-0.031	0.106	0.092	-0.107	-0.046	-0.178
JHH7	0.107	0.089	0.107	0.162	-0.229	-0.071	0.127	-0.052	0.008	-0.122	0.022	-0.047	-0.068
Li7	-0.040	0.019	0.042	-0.035	-0.016	-0.068	0.034	-0.107	0.025	0.050	-0.099	-0.082	-0.092
Mahlavu	-0.026	0.096	0.047	0.066	0.019	-0.054	-0.125	-0.022	0.103	0.075	0.037	-0.032	-0.041
MHCC97H	-0.087	0.038	0.000	-0.112	-0.061	0.166	0.056	-0.062	0.062	0.123	0.116	0.011	-0.033
PLC8024	-0.022	0.086	0.087	0.065	-0.229	-0.018	0.118	-0.031	-0.053	-0.042	0.018	-0.022	-0.009
PLCPRF5	0.022	0.101	0.103	0.068	-0.214	-0.089	0.050	-0.006	0.062	-0.056	0.022	-0.031	-0.001

SNU182	-0.036	0.060	0.058	0.028	-0.009	-0.168	-0.131	-0.032	0.011	0.078	-0.065	0.000	0.085
SNU354	0.100	0.073	0.072	0.156	0.027	0.007	-0.072	-0.003	0.027	-0.035	0.003	-0.047	-0.075
SNU368	0.022	0.071	0.046	0.071	0.005	0.164	-0.036	-0.010	0.038	-0.086	-0.159	-0.058	0.029
SNU387	-0.051	0.032	0.065	0.050	0.108	-0.177	-0.157	-0.088	-0.039	-0.320	-0.008	-0.113	-0.030
SNU398	0.096	0.124	0.132	0.187	-0.236	-0.016	-0.124	0.003	-0.058	-0.008	-0.001	0.050	0.057
SNU423	0.087	0.073	0.066	0.184	0.091	-0.004	-0.164	0.042	-0.045	-0.086	-0.052	-0.091	-0.059
SNU449	0.087	0.085	0.103	0.194	0.043	-0.078	-0.151	-0.176	0.010	0.036	-0.175	-0.097	-0.148
SNU475	0.004	0.100	0.053	0.079	0.042	0.055	-0.130	-0.135	0.004	-0.013	-0.116	-0.055	-0.090
SNU739	0.097	0.091	0.069	0.171	-0.003	-0.031	-0.163	0.024	0.003	-0.077	0.010	-0.056	-0.018
SNU761	0.030	0.042	0.075	0.104	0.066	-0.074	-0.021	0.061	-0.004	-0.184	-0.103	-0.144	-0.158
SNU878	-0.031	0.041	0.068	0.049	-0.028	-0.028	0.086	-0.225	-0.220	-0.125	-0.170	-0.102	-0.216
SNU886	-0.009	0.046	-0.008	0.013	0.084	-0.107	-0.023	0.020	0.025	-0.052	-0.034	-0.009	-0.029
Tong	0.053	0.080	0.095	0.101	-0.103	-0.154	0.014	-0.069	-0.119	0.023	-0.081	-0.056	0.059

Table S7 ME matrices for CCLE

ArrayName_cc	ME1	ME2	ME3	ME4	ME5	ME6	ME7	ME8	ME9	ME10	ME11	ME12	ME13
AlexandeR	0.066	-0.069	-0.188	0.093	-0.084	-0.095	0.102	-0.182	0.077	-0.182	-0.086	-0.106	-0.207
C3A	0.107	0.229	-0.192	0.319	0.041	0.172	-0.144	0.068	-0.175	0.020	0.227	0.180	-0.034
Hep_3B2.1.7	0.085	-0.176	-0.239	0.174	-0.054	-0.253	-0.066	0.159	0.153	-0.080	-0.030	-0.165	-0.205
HepG2	0.142	0.288	-0.227	0.348	0.077	0.258	-0.197	0.197	-0.129	0.149	0.295	0.263	0.086
HLE	0.180	-0.033	0.105	-0.202	0.151	0.027	0.424	-0.148	-0.244	-0.230	0.048	0.154	-0.089
HLF	0.154	0.132	0.258	-0.177	0.261	0.272	0.367	0.068	0.030	-0.047	0.196	0.294	-0.148
huH.1	0.035	0.161	-0.153	0.159	-0.014	0.121	-0.207	0.012	0.487	0.225	-0.087	0.232	0.089
HuH.6	0.194	0.051	-0.213	0.112	0.141	0.036	0.141	-0.126	0.145	-0.078	0.016	-0.122	0.277
HuH.7	0.182	-0.014	-0.223	0.217	0.153	0.179	0.045	0.197	-0.080	0.224	-0.100	-0.046	0.042
JHH.1	-0.188	0.120	-0.054	-0.033	-0.157	-0.106	-0.287	-0.145	-0.006	0.331	0.050	0.211	0.074
JHH.2	-0.411	-0.081	0.369	-0.143	-0.350	-0.009	-0.337	0.366	-0.005	-0.069	0.204	0.193	0.215
JHH.4	-0.021	-0.002	0.161	-0.160	0.090	-0.025	0.026	-0.032	0.045	-0.152	-0.031	-0.018	-0.127
JHH.5	0.163	0.266	-0.246	0.323	0.136	0.114	-0.068	0.131	0.145	0.243	-0.088	0.042	0.135
JHH.6	-0.242	-0.398	0.093	-0.261	-0.446	-0.489	0.053	-0.325	-0.394	-0.094	-0.412	-0.409	-0.011
JHH.7	0.147	0.134	-0.264	0.252	0.211	0.101	0.104	-0.022	-0.062	0.153	0.051	0.190	-0.113
Li.7	0.032	-0.093	-0.031	0.112	0.105	-0.059	0.085	-0.178	-0.003	0.045	-0.161	-0.170	0.111
PLC.PRF.5	0.032	0.126	-0.119	0.106	0.013	0.068	0.013	-0.021	0.143	-0.092	0.079	0.057	0.072
SK.HEP.1	-0.012	-0.219	0.098	-0.236	-0.155	-0.174	0.131	-0.262	-0.286	-0.381	-0.228	-0.201	-0.264
SNU.182	-0.048	0.040	0.126	-0.160	-0.023	0.089	-0.141	0.130	-0.083	0.111	0.310	-0.076	0.270
SNU.387	-0.145	-0.115	0.325	-0.217	0.058	-0.006	0.047	-0.006	-0.046	-0.123	0.080	0.148	-0.236
SNU.398	0.480	0.470	-0.134	-0.028	0.347	0.406	0.292	0.355	0.324	0.128	0.411	0.211	0.449
SNU.423	-0.052	-0.009	0.274	-0.245	0.202	0.086	0.176	0.271	-0.222	0.275	0.064	0.073	-0.115
SNU.449	-0.251	-0.094	0.083	-0.198	-0.055	-0.159	-0.111	-0.134	-0.070	0.139	-0.103	-0.172	0.265
SNU.475	-0.036	-0.106	0.223	-0.207	0.006	0.039	0.024	-0.089	0.371	-0.031	-0.110	-0.230	0.067
SNU.761	-0.394	-0.312	0.152	0.003	-0.407	-0.223	-0.386	0.137	-0.052	0.017	-0.220	-0.176	-0.257
SNU.878	-0.198	-0.296	0.014	0.048	-0.248	-0.372	-0.087	-0.419	-0.066	-0.500	-0.373	-0.359	-0.346

Table S8 ME matrices for LCCL

ArrayName	ME1	ME2	ME3	ME4	ME5	ME6	ME7	ME8	ME9	ME10	ME11	ME12	ME13
HepG2	0.227	0.154	-0.294	0.228	0.103	0.279	0.064	-0.054	-0.252	0.013	0.236	0.148	-0.097
Hep3B	0.179	0.044	-0.239	0.220	0.068	0.077	-0.046	0.293	0.226	-0.096	0.169	-0.064	-0.017
HepaRG	-0.241	-0.118	0.177	0.000	-0.255	-0.118	-0.251	-0.079	-0.095	-0.019	-0.007	-0.119	-0.110
B1	-0.083	0.070	-0.142	0.183	0.024	-0.143	-0.078	-0.065	-0.033	0.062	0.070	0.069	-0.092
HCC.1.2	-0.105	0.043	-0.037	0.203	0.010	-0.121	-0.096	0.159	0.090	0.071	0.075	0.086	-0.146
HCC.3	-0.050	0.422	-0.184	0.217	0.042	0.151	-0.044	-0.040	0.017	-0.126	-0.045	0.107	0.334
HCC.1.1	-0.196	0.048	0.210	-0.193	0.123	-0.036	0.022	0.113	-0.174	0.071	-0.052	-0.011	0.152
SNU182	0.122	-0.103	0.060	-0.181	-0.064	0.045	0.019	-0.108	-0.184	-0.038	0.335	-0.200	0.103
SNU387	-0.023	-0.282	0.212	-0.214	-0.010	-0.042	0.097	-0.249	-0.185	-0.198	-0.011	-0.089	-0.289
SNU398	0.315	0.244	-0.212	-0.117	0.108	0.473	0.168	0.139	0.097	-0.194	0.324	0.026	0.159
SNU423	0.044	-0.093	0.198	-0.229	0.120	0.011	0.190	0.099	-0.332	0.205	-0.028	-0.030	-0.250
SNU449	0.027	-0.049	0.107	-0.169	0.111	0.051	0.130	-0.075	-0.010	0.170	-0.089	-0.096	0.213
SNU475	0.036	-0.249	0.129	-0.152	-0.113	-0.138	0.039	-0.364	0.152	-0.126	-0.259	-0.372	-0.102
Huh7	0.280	0.147	-0.326	0.235	0.157	0.375	0.137	0.141	-0.091	-0.150	0.003	0.117	-0.076
Mahlavu	0.034	0.234	0.054	-0.195	0.130	0.125	0.129	0.144	0.118	0.426	0.034	0.214	0.410
PLC.PRF5	0.006	0.119	-0.180	0.165	-0.009	-0.062	0.010	-0.046	0.078	-0.072	0.041	0.024	-0.094
HLE	0.017	0.163	0.105	-0.209	0.220	0.138	0.173	0.010	-0.138	-0.053	0.247	0.208	0.047
HLF	0.182	0.088	0.113	-0.218	0.176	0.218	0.262	-0.057	-0.090	-0.191	0.153	0.187	-0.227
Huh6	-0.036	0.075	-0.123	0.235	0.038	0.026	-0.081	0.047	-0.195	0.029	0.008	0.129	0.198
Li7	-0.077	-0.110	-0.025	0.090	0.066	-0.140	0.002	-0.123	-0.026	0.087	-0.200	-0.103	0.056
Huh1	-0.052	0.177	-0.181	0.217	-0.112	-0.004	-0.142	0.023	0.353	0.168	-0.166	0.246	0.029
JHH1	0.018	0.035	-0.065	-0.026	-0.193	-0.022	-0.210	-0.192	0.025	0.099	-0.005	0.111	0.011
JHH2	-0.523	-0.055	0.250	-0.099	-0.215	-0.278	-0.269	0.309	-0.066	-0.059	0.241	0.263	0.186
JHH4	0.115	-0.075	0.124	-0.129	0.141	0.075	0.148	-0.107	0.014	-0.148	-0.153	-0.035	-0.155
JHH5	0.260	0.140	-0.311	0.244	0.124	0.124	0.107	-0.012	0.010	0.103	-0.217	-0.034	0.014
JHH6	0.060	0.017	0.135	-0.155	0.138	0.085	0.225	-0.004	-0.181	0.239	-0.242	-0.095	0.244
JHH7	0.037	0.141	-0.221	0.225	-0.111	0.033	-0.222	0.131	-0.037	0.113	0.099	0.182	-0.040
SNU354	0.093	-0.175	0.055	-0.001	-0.052	-0.101	0.017	0.037	0.033	-0.306	-0.204	-0.174	-0.005
SNU368	0.044	-0.275	0.058	-0.046	-0.044	-0.120	0.070	-0.094	0.358	0.003	0.108	-0.337	-0.230
SNU739	-0.025	0.015	0.083	-0.188	0.114	-0.058	0.082	0.155	0.099	0.073	0.119	0.102	-0.016
SNU761	-0.378	-0.101	0.234	-0.062	-0.718	-0.302	-0.605	0.433	0.127	0.242	0.005	0.013	-0.041
SNU878	-0.091	-0.337	0.035	0.115	-0.143	-0.217	-0.053	-0.400	0.057	-0.446	-0.409	-0.340	-0.237
SNU886	-0.026	-0.306	0.190	-0.054	0.052	-0.202	0.125	-0.069	-0.181	-0.115	-0.137	-0.298	-0.144

MHCC97H	-0.189	-0.050	0.010	0.062	-0.028	-0.181	-0.121	-0.096	0.419	0.160	-0.042	0.167	0.213