

Additional File 5

Gene Symbol	p-value (FDR adjusted)	FoldChange SCC25 down vs Keratinocyte	Gene Symbol	p-value (FDR adjusted)	FoldChange SCC25 up vs Keratinocyte
KLK12	9.06E-04	1147	C1S	3.90E-03	926
SPRR2D	1.65E-04	883	IGFBP3	1.17E-03	708
CYB5A	4.77E-03	744	LUM	4.52E-04	236
SPRR1B	3.10E-03	616	IFIT1	1.36E-03	212
RPS4Y1	6.40E-03	540	LCP1	1.08E-03	203
KRT6B	2.55E-03	527	GFPT2	5.25E-03	182
SCEL	1.73E-03	489	BST2	1.57E-03	157
MFAP5	2.21E-05	451	MUC4	1.31E-05	124
RHCG	4.96E-03	318	CTHRC1	4.93E-03	122
KRT4	3.67E-03	250	C1R	3.17E-03	114
SPRR3	3.87E-03	203	CACNG6	3.36E-03	108
TMPRSS11D	2.16E-03	193	IFIT2	3.43E-03	108
CDH16	4.77E-04	147	RSAD2	3.85E-03	106
LEMD1	2.01E-03	141	AIM2	2.84E-03	97
ALOX15B	2.60E-03	123	NID2	1.20E-04	96
KLK11	5.00E-03	116	ZNF114	4.61E-03	86
M14087	6.34E-03	112	HOXA9	1.99E-03	85
CRNN	1.25E-03	106	GBP5	6.30E-03	84
COX7A1	8.57E-04	80	KAL1	6.54E-06	76
SPRR1A	1.74E-03	78	HTRA3	1.68E-04	72
SPINK5	1.43E-03	71	INDO	1.93E-03	70
SPRR2C	5.70E-03	71	CXCL10	3.55E-04	70
FNDC4	1.07E-04	70	GBP2	3.13E-03	67
UNQ467	2.12E-03	69	FOXF2	7.26E-04	65
WNT5A	3.48E-03	64	ETV7	1.87E-04	59
MMP10	2.07E-05	61	IL4I1	4.94E-03	57
IL1R2	2.53E-03	57	OAS1	2.38E-03	55
PI3	5.23E-03	55	IFITM1	2.73E-03	53
TNFRSF6B	1.76E-03	52	FLI1	3.38E-05	51
ATAD4	3.17E-03	46	UCHL1	2.75E-03	50
ZNF447	6.27E-08	41	LYPD1	5.39E-03	50
CD521096	1.47E-03	40	OASL	9.88E-05	48
ZNF83	9.79E-04	40	IFI44L	2.00E-03	46
PLD5	3.99E-03	37	GBP1	2.30E-03	45
S100A8	4.60E-03	37	RHOBTB3	1.70E-06	45
TFPI2	2.01E-03	36	DLX4	5.17E-05	45
AREG	5.65E-03	35	CSAG2	3.09E-03	44
PPP1R3C	2.63E-04	34	MME	2.78E-03	43

SLPI	1.15E-03	33	DGKG	2.45E-05	41
HES5	1.69E-04	33	CMKOR1	7.79E-04	41
HS6ST2	8.71E-04	33	GDA	3.83E-03	40
TMPRSS11E	6.54E-04	32	CXCL11	3.89E-03	36
KRT16	3.85E-03	31	KAZALD1	3.53E-03	36
TMEM45B	9.46E-04	30	WISP3	2.14E-03	34
TGM1	1.46E-05	30	IFI44	4.22E-03	32
ARRDC4	3.20E-04	28	IL6	3.91E-03	31
ZNF185	7.45E-06	28	OLFML2A	9.59E-04	31
NDN	3.28E-03	27	BMF	6.42E-03	31
CUGBP2	2.31E-04	26	GPNMB	9.31E-04	30
PGLYRP4	6.09E-03	25	FLJ14167	5.54E-03	30
ANXA9	1.40E-04	24	BIRC4BP	1.30E-03	30
CAPNS2	1.97E-04	24	EGR3	2.51E-03	29
LXN	3.86E-03	24	CTSS	8.91E-04	28
CSTA	4.15E-04	23	CCL5	5.74E-03	27
CLMN	7.32E-04	22	TNFAIP6	5.88E-03	27
CYP4B1	3.89E-03	22	XCL1	6.07E-04	27
CDKN2A	3.90E-04	22	HIST1H1A	1.14E-03	25
KRT13	6.28E-03	22	WNT4	6.79E-04	24
COL1A2	2.75E-03	22	CRIP1	3.12E-03	24
GRHL3	6.32E-04	22	ISG15	3.49E-03	24
AKR1B10	2.22E-03	21	PCDHB2	1.05E-03	24
EPS8L1	7.18E-05	20	APOL3	1.83E-03	23
FEZ1	2.58E-03	20	FLJ20035	2.57E-03	23
FMO2	8.00E-05	20	PODXL	2.64E-03	23
EMP1	2.67E-05	20	CSAG3A	8.27E-04	23
LOH11CR2A	1.34E-04	19	NALP7	7.30E-04	22
FAM84A	1.51E-04	19	NR2E1	4.23E-03	22
TFCP2L1	3.46E-03	19	XCL2	6.88E-04	22
OSBPL6	2.32E-03	18	UGT1A6	2.44E-03	21
PYGB	8.15E-05	18	SIX1	9.65E-04	21
AIM1L	3.82E-03	16	FLJ32255	1.60E-03	20
MAL	4.62E-04	16	DUSP2	2.08E-03	20
CDSN	2.52E-03	16	SEPP1	3.91E-04	20
TMEM139	3.38E-03	15	DMN	3.67E-03	20
LCE3D	2.79E-03	15	MYLIP	4.16E-03	20
LGALS7	3.29E-05	14	HOXC13	4.75E-03	20
TMTC1	2.93E-04	14	CSF2	5.69E-04	19
HSPC159	3.90E-03	14	SOD2	3.19E-05	19
FLJ10916	1.50E-04	14	EGLN3	4.80E-03	18
FLJ36868	2.76E-03	14	DPYD	5.70E-03	18
HSD17B2	3.93E-03	14	FAM69B	1.63E-03	18

FLJ38020	3.52E-03	14	PDGFRL	2.82E-04	18
MGC102966	3.74E-05	14	SECTM1	1.38E-03	18
MIG7	5.38E-03	13	MEF2C	5.88E-04	17
FABP5	1.72E-03	13	TCERG1L	2.70E-03	17
KRT6L	6.19E-06	13	RUNX3	2.72E-03	17
SBEM	2.59E-03	12	USP18	5.16E-04	17
SPRR2B	8.91E-04	12	SYTL3	1.53E-03	17
MTAC2D1	1.62E-03	11	BTN3A3	5.90E-03	17
LMCD1	2.79E-03	11	IRF7	1.57E-04	17
TP53I3	2.07E-03	11	MMP7	1.46E-03	16
VILL	2.06E-03	11	SERTAD4	3.14E-03	16
RHOV	4.16E-03	11	TFRC	1.46E-04	16
KRT33A	3.79E-03	10	FLJ42709	1.21E-03	15
KRT1	4.92E-03	10	S73202	3.08E-03	15
ARMCX1	2.30E-03	10	ICAM1	2.98E-03	15
PKP1	2.45E-03	10	TNS3	2.27E-03	15
ZFP42	2.09E-03	10	SPOCK1	5.08E-04	14
KRT24	1.90E-03	10	TDO2	2.59E-03	13
VLDLR	5.70E-03	10	OBSL1	2.22E-03	13
DIAPH2	6.23E-05	9	FBN1	2.24E-03	13
ERCC1	6.18E-05	9	CFI	1.21E-05	13
OSBPL10	3.10E-03	9	IL8	5.17E-03	13
SMOC1	3.50E-04	9	SPP1	4.94E-03	13
DHRS1	4.42E-03	9	TNFSF10	5.83E-04	13
TGFBR2	4.88E-04	9	SPON2	6.09E-03	13
ANKRD15	2.31E-04	9	TNFAIP2	4.17E-06	13
RARRES1	8.49E-04	9	KYNU	3.30E-04	13
SLC2A11	3.71E-04	8	CSAG1	1.88E-05	13
CSF3	7.57E-05	8	EGR1	3.80E-03	12
MYO5B	4.57E-03	8	PREX1	3.29E-03	12
FAM19A4	2.54E-03	8	CFHR3	2.62E-03	12
S100A4	6.18E-03	8	CTSH	1.78E-04	12
ZFP2	4.07E-03	8	PROC	4.12E-03	12
ELL3	6.31E-04	8	CCDC3	4.21E-03	12
RGS2	1.72E-04	8	SLC22A4	2.23E-04	12
MGC16121	9.08E-04	8	PDE4A	1.29E-03	12
CDH11	2.72E-04	8	GPR98	5.85E-03	12
ASAM	1.04E-04	8	CCL28	6.97E-04	12
ALDH1L2	8.43E-04	8	WDR72	6.28E-03	12
KIAA1305	1.88E-03	8	NNMT	2.49E-03	12
ETHE1	2.71E-03	8	OVOS2	2.53E-03	12
PRKAG2	2.29E-03	8	FAM26B	3.00E-03	12
SH2D5	3.12E-03	8	HOXA13	1.88E-05	11

RAB11FIP1	3.32E-03	7	GAS1	1.46E-03	11
DDX3Y	4.06E-05	7	HOXA2	1.11E-03	11
KCNK12	1.50E-04	7	TIGD7	6.38E-05	11
APOE	8.47E-05	7	IGFBP1	5.92E-04	11
FRAS1	8.20E-04	7	MAGEA11	7.25E-05	11
ASL	4.96E-06	7	CDC7	5.00E-04	11
LZTS1	5.90E-03	7	ECM2	6.35E-03	11
S100A14	1.43E-03	7	FLJ22675	3.56E-03	11
PSCA	1.05E-03	7	MLLT11	5.14E-04	11
PLEKHG5	3.55E-03	7	SLC1A3	6.05E-03	11
KRT14	1.99E-03	7	MAGED4	2.23E-04	11
SERPINE1	9.92E-04	7	P2RY6	1.04E-03	10
BTBD11	4.10E-05	7	ID4	1.79E-03	10
SESN3	2.79E-03	7	FGD3	1.79E-04	10
FUT3	2.90E-03	7	TNFRSF9	6.56E-04	10
MRGPRX3	9.06E-04	7	SLITRK6	6.18E-03	10
PTK6	4.08E-03	7	BTN3A2	5.69E-04	10
TMEM40	4.39E-03	7	LRRC38	1.30E-04	10
THBS2	4.83E-05	7	TTK	2.74E-04	10
NEBL	4.01E-03	7	CFH	3.17E-03	10
KHDRBS3	5.56E-03	7	APOBEC3G	6.39E-04	10
FRG1	7.81E-04	7	SAMD11	3.03E-03	10
ADARB1	1.22E-03	7	TOP2A	1.05E-03	10
FAM101A	8.01E-04	6	SASS6	3.04E-03	9
SOX9	1.52E-03	6	ATF3	8.49E-04	9
CSTB	2.85E-05	6	CCL26	4.62E-03	9
ACCN2	1.29E-06	6	KRT25	4.47E-03	9
TM4SF1	4.93E-03	6	FLJ30064	1.83E-03	9
STEAP2	1.64E-04	6	KIFC1	5.58E-03	9
QPCT	6.17E-03	6	FAM70A	2.35E-03	9
LRIG1	3.50E-04	6	GPR143	9.53E-05	9
TMEM28	2.59E-04	6	CLSPN	2.51E-04	9
DPYSL4	8.96E-04	6	HHEX	3.29E-03	9
DOCK8	6.26E-03	6	H1FO	5.69E-05	9
ECHDC3	1.24E-03	6	FLJ41747	4.78E-03	9
TMPRSS13	6.22E-03	6	MGC16291	1.86E-03	9
CAMK2D	8.68E-04	6	MICB	5.37E-04	9
FADS2	6.23E-03	6	AMID	3.49E-04	8
CRYAB	1.90E-04	6	FADD	2.79E-03	8
CTSL2	1.36E-03	6	REC8L1	2.94E-03	8
MGC4172	1.64E-04	6	TAP1	2.83E-03	8
FGF7	3.86E-03	6	ARID5A	5.52E-04	8
STEAP1	3.89E-03	6	GIMAP2	4.15E-03	8

WFDC12	9.46E-04	5	PTN	3.23E-03	8
DNASE1L3	5.68E-07	5	SLC7A8	1.04E-03	8
TMEM80	4.98E-03	5	NEK2	5.96E-04	8
PTPLAD2	1.68E-04	5	MAP3K8	1.64E-03	8
VKORC1L1	6.36E-03	5	HLA-B	6.20E-05	8
SERPINB1	4.02E-03	5	KCNQ1	4.55E-03	8
SRPX	2.08E-03	5	USP13	1.20E-03	8
VNN1	3.58E-04	5	MTBP	1.24E-03	8
RBPMS2	6.14E-03	5	PCDH7	8.60E-04	8
KRT2	2.63E-07	5	CD69	8.39E-05	8
LRAT	8.29E-04	5	CPT1B	1.40E-04	8
LPIN1	2.48E-06	5	TLR2	1.36E-03	8
SH3PXD2A	4.54E-04	5	DKK1	1.69E-06	8
SNCA	6.18E-03	5	TOX	1.23E-03	8
YIPF7	9.09E-05	5	BHLHB3	4.97E-04	8
ANXA2P3	1.20E-03	5	PCDHB11	5.67E-04	8
FSTL1	2.61E-03	5	CD83	3.14E-06	8
ZNF295	5.77E-03	5	PRTFDC1	1.26E-03	8
GSN	4.85E-04	5	AKAP12	3.22E-05	8
SERPINF1	7.41E-04	5	CGI-38	4.52E-03	8
ZNF545	1.60E-03	5	CLDN23	2.92E-03	8
JAM2	1.45E-03	5	KIF18A	3.39E-03	8
NEO1	3.91E-03	5	TMEM45A	4.42E-04	8
CCDC8	6.12E-03	5	ABHD3	7.86E-05	8
LSS	2.34E-04	5	VEGFC	9.08E-04	7
WIP1	1.46E-03	5	MEIS2	1.79E-04	7
AP1S3	9.66E-04	5	SNCAIP	4.29E-03	7
TM7SF3	2.12E-03	5	IFIH1	9.59E-04	7
NRCAM	5.93E-04	5	SLC1A1	1.43E-03	7
MTL5	9.22E-06	5	HIST1H2AL	2.59E-04	7
CRYBB2	4.33E-04	5	WNT10A	1.93E-04	7
PDDC1	4.83E-05	4	CDC25C	5.79E-04	7
FLJ46385	3.52E-03	4	DLG7	4.01E-03	7
STAR	6.48E-04	4	DHRS2	1.62E-06	7
CMTM7	2.82E-08	4	LMNB1	1.81E-03	7
PLEKHG1	1.94E-04	4	BAG2	1.49E-03	7
TM7SF2	1.40E-04	4	AURKA	2.06E-04	7
TMEM154	3.29E-03	4	MANBA	3.43E-03	7
EPB41L4B	6.13E-03	4	KIAA0703	5.12E-09	7
SLC7A4	2.22E-03	4	KRT86	2.43E-03	7
SPEG	4.65E-04	4	SPAG5	2.94E-03	7
EVPL	5.12E-04	4	WFDC2	4.71E-03	7
ANKRD29	2.91E-03	4	ZNF618	7.49E-05	7

CST6	4.74E-03	4	PLSCR4	6.40E-03	7
KCNG1	1.20E-06	4	DUOX2	6.33E-03	7
TMEM16J	4.25E-03	4	SKIL	6.22E-04	7
ROPN1B	4.18E-04	4	FLT3LG	6.00E-03	7
RGS14	4.28E-04	4	IL15RA	2.60E-04	7
GLDC	5.24E-03	4	CDC6	5.07E-03	7
TGFB3	3.77E-04	4	KIF2C	1.80E-04	7
QPRT	1.00E-03	4	ALDH2	1.67E-03	7
WRB	3.24E-03	4	FLJ45187	2.35E-04	7
GPD1L	1.93E-03	4	SMC2	4.18E-04	7
CXCL5	3.98E-03	4	MCM10	1.01E-03	7
BSPRY	6.04E-04	4	CENPF	5.00E-03	7
GNG12	1.21E-03	4	EVII	4.60E-05	6
GSTK1	2.49E-03	4	KIF11	2.83E-03	6
SATB1	3.26E-04	4	TNIK	6.26E-03	6
TMEM98	3.88E-05	4	CLDN1	3.37E-03	6
OVOL2	3.49E-03	4	PKN3	5.93E-03	6
KRT34	3.16E-03	4	TTC30B	2.50E-03	6
PSG4	2.88E-03	4	REL	7.28E-04	6
IDS	1.09E-05	4	CXorf57	4.01E-04	6
DQX1	2.08E-03	4	CDCA5	3.46E-03	6
CYB5R1	5.72E-03	4	IGF2	1.84E-03	6
TMEM160	2.86E-03	4	MID1	9.93E-04	6
FSTL3	1.19E-03	4	MASTL	3.66E-05	6
STYXL1	2.71E-03	4	FAM46A	8.71E-04	6
EMP3	4.43E-04	4	WDR64	3.00E-03	6
TGM2	5.90E-03	4	ATG4D	3.13E-03	6
DECR2	3.99E-03	4	ZNF594	4.73E-03	6
MRAS	1.86E-03	4	EXTL2	8.50E-05	6
SCD	2.35E-04	4	DTX3L	1.13E-03	6
CLTB	1.20E-04	4	ACOT4	2.08E-04	6
ECHDC2	1.98E-04	4	HLA-E	5.25E-03	6
NPR2	3.97E-03	4	FOXA1	3.32E-03	6
PSG1	1.01E-04	4	ADM	3.85E-03	6
KGFLP1	2.46E-03	4	CCNL1	3.89E-04	6
LEPR	2.25E-03	4	KIF14	9.80E-04	6
PDE4B	3.95E-03	4	PTGS2	4.28E-04	6
CITED4	3.30E-03	4	PSRC1	3.89E-03	6
GSG1	9.21E-04	4	AURKB	5.13E-03	6
FLJ41603	5.38E-03	4	RDH16	1.24E-03	6
ANKRD38	1.97E-03	4	RAB3IL1	9.16E-04	6
WNT5B	5.85E-03	4	MEGF6	2.31E-03	6
PPM1F	5.30E-03	4	FOXL2	1.67E-03	6

FLJ43339	1.60E-03	4	ATAD2	1.18E-06	6
HR	6.43E-04	4	PHC3	2.68E-03	6
TMEM132B	9.05E-04	4	SMC4	1.97E-03	6
CRELD1	7.58E-05	4	PLK1	3.55E-04	6
X15667	1.09E-04	4	KLHL24	1.23E-06	6
CHKB	9.36E-04	3	CDCA3	8.30E-04	6
PHYHD1	2.13E-05	3	ZNF334	1.10E-03	6
FGFR3	5.21E-03	3	TMEM116	3.17E-03	6
LLGL2	2.00E-03	3	CCDC87	2.44E-05	6
ETNK1	6.80E-04	3	PRKAR2B	3.64E-03	6
U50537	2.82E-03	3	IFIT5	3.87E-04	6
TP53I11	5.92E-03	3	KLHDC7B	4.78E-04	6
TJP3	3.88E-04	3	SYT12	7.37E-04	6
SLC39A2	1.43E-04	3	KIAA0286	2.11E-04	6
BDH1	2.11E-03	3	UBE2C	3.07E-05	6
TNNI3	1.67E-04	3	PSMB8	1.19E-05	6
MRPS25	3.01E-03	3	FLJ20152	4.46E-03	6
STARD4	1.94E-06	3	CENPM	1.49E-03	6
EPB41L5	8.22E-04	3	NT5C3	5.61E-03	6
WDR4	3.77E-03	3	H2AFX	6.06E-04	6
CACNA2D2	5.77E-06	3	FBLN1	2.25E-03	6
ATPBD4	8.13E-04	3	NUSAP1	6.97E-04	5
PLXNB1	9.44E-04	3	NFKBIA	5.96E-03	5
MKRN2	5.84E-06	3	VCX	3.94E-03	5
MYH10	8.88E-04	3	KIAA1324L	7.43E-04	5
TMTC4	7.76E-04	3	C1QTNF6	5.91E-03	5
SACS	2.62E-04	3	SGK	6.34E-03	5
CDH13	1.59E-03	3	CHMP4C	3.25E-03	5
KCNK6	6.31E-04	3	KIAA1009	2.53E-03	5
TMPIT	4.99E-03	3	SALL4	5.81E-03	5
EFHA2	1.36E-04	3	EPSTI1	2.66E-03	5
GDAP1	1.11E-04	3	CG018	1.21E-03	5
TTLL7	3.11E-05	3	K03200	4.96E-05	5
GADD45A	2.01E-03	3	NRL	7.84E-04	5
CD24	4.13E-04	3	BIRC5	4.27E-03	5
RHOBTB2	2.68E-05	3	HIAT1	2.03E-03	5
NUDT2	5.09E-03	3	HIST1H1B	5.83E-03	5
CCL27	1.95E-04	3	FLJ31033	1.21E-03	5
FBXO3	1.88E-04	3	TMEM16A	2.32E-03	5
FIS1	3.18E-03	3	ASS	1.56E-05	5
DIXDC1	3.61E-03	3	CCDC68	6.71E-06	5
ASAH1	4.21E-03	3	STC2	4.07E-04	5
PER1	4.56E-03	3	ZNF644	3.99E-03	5

CAPN12	2.75E-03	3	PLXND1	1.19E-04	5
NAV1	6.05E-05	3	CLU	2.26E-03	5
ATG9B	1.22E-03	3	BRRN1	1.23E-03	5
SERHL	3.54E-03	3	TNNT3	4.05E-05	5
ZFYVE21	3.56E-04	3	MCM4	1.29E-03	5
FLJ35024	9.10E-04	3	LIFR	5.80E-05	5
TUBB2A	1.40E-04	3	TK1	1.82E-03	5
PRRT3	1.15E-03	3	SAA4	1.93E-03	5
MAL2	3.06E-03	3	LAMA4	4.05E-03	5
DECR1	4.29E-05	3	PTPRJ	3.11E-03	5
FLJ20273	3.37E-03	3	ARHGAP11A	1.93E-05	5
PFN4	6.30E-03	3	MRPL48	4.22E-03	5
TRIM4	4.37E-04	3	EBF3	4.53E-03	5
ERCC6	4.12E-03	3	E2F7	1.61E-03	5
SLC35F5	1.61E-03	3	FAM83D	1.80E-04	5
CYBRD1	9.47E-05	3	RECQL4	1.01E-03	5
ZNF589	9.26E-05	3	ATOH8	9.86E-04	5
TBC1D14	1.95E-03	3	NFKBIE	3.67E-03	5
CLNS1A	2.98E-03	3	NLC1-B	4.27E-03	5
TCEAL5	5.75E-03	3	PSMA5	2.77E-03	5
PDLIM2	2.33E-03	3	PPAP2B	4.41E-03	5
NOL6	1.77E-04	3	JUNB	2.55E-04	5
OR7E24	5.88E-03	3	NFIL3	2.56E-03	5
PIGF	2.48E-03	3	NINJ1	4.78E-03	5
MTHFD2L	4.52E-03	3	SYNJ2	2.50E-03	5
ULBP2	1.18E-03	3	DHRS3	4.01E-04	5
CCDC109B	6.04E-03	3	FAM107B	5.63E-04	5
TCF7L1	1.16E-03	3	RAPGEF5	1.60E-04	5
GTF2E2	1.80E-03	3	TCF19	5.31E-03	5
FLJ20186	1.90E-05	3	RBMXL1	2.01E-03	5
NDUFA3	1.03E-03	3	B2M	1.67E-03	5
ADA	1.99E-03	3	CCDC102A	3.66E-04	5
MYO5A	3.00E-03	3	TRMT5	5.25E-04	5
LAMA2	1.33E-03	3	FTHL12	5.07E-03	5
NKX6-2	3.17E-05	3	HSH2D	1.28E-03	5
EVL	1.06E-03	3	IFI16	7.11E-05	5
DOCK7	5.94E-03	3	UCK1	5.54E-03	5
APEH	1.10E-03	3	DTL	1.54E-03	5
CAPG	2.35E-03	3	MNS1	1.68E-04	5
POLR2L	4.90E-03	3	MRPL42P5	3.30E-04	5
GCSH	1.50E-04	3	HORMAD1	5.89E-03	5
GRHPR	1.52E-03	3	KCTD11	1.28E-04	5
DLK1	5.60E-03	3	C1RL	4.17E-04	5

B3GNT8	5.67E-06	3	FLJ10357	2.18E-05	5
FAM63A	3.65E-03	3	MYOM2	9.13E-04	5
FGF1	1.62E-03	3	FLJ11259	5.16E-03	5
ACRV1	4.72E-03	3	CEP152	1.19E-03	5
GPR111	3.26E-03	3	UST	1.35E-03	5
TIMP2	1.61E-03	3	EIF2AK2	1.61E-03	5
SESTD1	1.30E-03	3	RXRA	3.01E-03	5
AK3L1	8.75E-04	3	CDKN3	1.28E-04	5
GUK1	4.61E-04	3	KBTBD11	2.92E-03	5
GM2A	5.74E-03	3	PARP14	1.42E-03	5
GPR125	4.33E-05	3	BMX	3.85E-04	5
APH1B	1.21E-04	3	NT5C2	7.72E-07	4
MAFB	9.58E-04	3	LYN	3.69E-03	4
FAM62B	2.30E-05	3	SLCO4A1	1.85E-06	4
FOXE1	1.93E-03	3	CKAP2L	4.02E-03	4
NIBP	1.55E-03	3	HNRPAB	4.40E-03	4
USP2	3.89E-05	3	FAM26A	2.76E-04	4
SOCS2	2.51E-05	3	GDF15	1.14E-04	4
EME2	2.73E-04	3	ASGR1	6.33E-03	4
EEF2	5.37E-03	3	FEN1	1.96E-03	4
ZAK	2.68E-04	3	ZBTB43	3.11E-03	4
RGS20	1.24E-04	3	ALG10B	1.61E-04	4
COG5	1.75E-03	3	ZNF559	5.24E-03	4
RUTBC3	5.60E-03	3	GCLM	5.04E-05	4
FAM98A	2.54E-04	3	ADAM23	6.13E-03	4
COTL1	4.89E-04	3	SLC41A2	1.02E-03	4
MAN2A1	4.06E-03	3	SPIN	4.18E-04	4
HYAL3	4.30E-04	3	AMIGO2	2.44E-05	4
PTPN18	8.41E-04	3	KRR1	5.49E-03	4
FLJ36748	6.12E-04	3	CTDSP2	3.05E-03	4
GNA15	5.09E-04	3	ZNF484	4.28E-03	4
Z25424	3.37E-04	3	TMPO	1.79E-03	4
ARPC5	1.30E-04	3	APITD1	5.62E-03	4
RBMS2	2.39E-04	3	PMAIP1	4.40E-04	4
CDC34	1.29E-03	3	hCAP-D3	6.08E-03	4
DUSP7	1.67E-03	3	GTSE1	6.23E-03	4
GALNT11	2.85E-05	3	BBS5	4.39E-03	4
MTMR1	5.14E-03	3	LMO4	4.16E-05	4
GJB6	4.74E-03	3	MPHOSPH1	2.50E-03	4
VPS36	4.36E-03	3	CCNB1	6.28E-03	4
NOLA2	8.08E-04	3	RAB32	5.38E-04	4
MGC5370	4.13E-03	3	SNIP1	5.55E-03	4
SH3GLB1	2.30E-03	2	CBX5	1.36E-03	4

KLF6	4.20E-04	2	CACYBP	7.06E-05	4
ACAT2	1.07E-04	2	APOLD1	5.26E-03	4
FBXL16	4.93E-03	2	UBE2T	4.00E-03	4
EDEM3	6.18E-03	2	EDNRB	7.56E-04	4
RPS27L	2.60E-03	2	DENND3	4.61E-03	4
GSTO2	1.11E-03	2	CXCL2	2.99E-04	4
MULK	3.66E-03	2	ZNF623	1.73E-05	4
H12329	1.11E-06	2	SLC12A7	2.14E-03	4
VDP	1.91E-04	2	BIRC2	2.57E-03	4
MTMR9	1.35E-03	2	CENPA	8.00E-05	4
NEIL2	1.47E-04	2	LY75	2.71E-06	4
CXX1	5.32E-03	2	CAPS2	4.54E-03	4
KLHL18	1.54E-04	2	SHCBP1	2.93E-04	4
RRAS	6.38E-03	2	SLC30A7	2.88E-04	4
ENTPD6	2.92E-03	2	MSX2P	4.69E-04	4
RAGE	6.08E-03	2	SOX4	1.58E-03	4
CDC20B	2.78E-03	2	TMIE	1.34E-03	4
CIB2	5.37E-03	2	PSME1	9.19E-05	4
STIM1	4.08E-03	2	HPS3	1.39E-03	4
HPCA	2.58E-03	2	CCR7	4.14E-03	4
SLC2A9	4.75E-03	2	SAA2	5.01E-04	4
OPRS1	7.62E-04	2	KIF23	1.58E-04	4
ELOVL1	3.03E-03	2	CD47	1.79E-03	4
MSRB3	2.96E-04	2	TOPBP1	2.30E-05	4
LYSMD1	1.67E-04	2	HIST1H1D	3.93E-04	4
SLC30A9	6.07E-05	2	MT1F	3.31E-03	4
S100A10	2.52E-03	2	ESPL1	2.58E-03	4
CDCP1	3.49E-03	2	HIRIP3	1.60E-06	4
ATP7B	1.40E-03	2	GALNT12	2.65E-03	4
SLC37A2	5.55E-03	2	NAT11	1.09E-04	4
ACO1	1.22E-03	2	ASPM	4.11E-04	4
FAM86B1	3.40E-03	2	SURF1	2.79E-03	4
RHOA	3.45E-03	2	MAST1	2.32E-03	4
CIRBP	3.03E-03	2	KIAA1344	5.19E-03	4
PGCP	1.77E-03	2	CP110	4.76E-03	4
ATOX1	7.73E-04	2	SP110	3.64E-04	4
AMPD3	1.15E-03	2	ZWINT	8.29E-04	4
UBXD1	1.11E-03	2	DNTTIP2	4.56E-03	4
AP3S1	1.51E-03	2	RBL1	1.17E-03	4
WNK1	3.47E-03	2	PIGA	2.17E-03	4
GSTA4	7.34E-04	2	SEN5	6.06E-03	4
RASSF1	3.36E-03	2	POFUT1	4.88E-03	4
KIAA1737	1.51E-06	2	HOXD9	1.70E-04	4

TSGA2	3.23E-03	2	PHF14	1.99E-03	4
PKD2	1.15E-03	2	RAB17	2.73E-04	4
ARHGAP8	9.23E-04	2	CCNF	2.26E-03	4
TSPO	3.27E-03	2	POPDC3	3.42E-03	4
TNFSF12	5.87E-04	2	COL8A2	3.48E-03	4
GJB5	1.76E-05	2	HLA-G	8.05E-05	4
SMAD2	1.67E-03	2	WDR8	3.27E-03	4
LRRC32	5.75E-03	2	QTRT1	8.37E-05	4
SIN3B	1.44E-04	2	ADRB2	1.43E-03	4
ARNTL2	9.74E-05	2	TOR1B	2.35E-03	4
NTN1	5.13E-03	2	GPRC5C	7.81E-04	4
FLJ37228	1.79E-03	2	IFI27	5.65E-06	4
RUFY3	4.74E-03	2	BLVRB	3.64E-03	4
TRAPPC5	6.36E-03	2	WNK2	4.31E-03	4
TMSB10	8.19E-04	2	GBA	6.96E-05	4
P53AIP1	3.70E-03	2	PSMB2	1.62E-03	4
F12	1.05E-03	2	HELLS	1.94E-03	4
ZNFN1A3	5.80E-03	2	HLA-C	5.60E-05	4
SMARCD2	4.22E-03	2	PSMB10	1.93E-03	4
LETM2	2.38E-04	2	ITGA1	3.07E-03	4
SPRED2	1.03E-07	2	ALG10	3.17E-04	4
SEMA4G	6.72E-04	2	TRAM2	6.08E-03	4
D2HGDH	6.21E-05	2	CHST3	2.33E-03	4
GOLGA2LY1	2.77E-03	2	DNAJB11	2.66E-04	4
EXOC4	2.09E-04	2	EFEMP1	4.12E-03	4
SALL2	6.99E-04	2	DOLPP1	3.11E-03	4
GIPC2	1.32E-03	2	CDCA8	1.08E-08	4
EIF1AY	3.68E-05	2	KIAA0649	1.75E-04	4
KIAA1609	1.66E-03	2	DAPK2	1.47E-03	4
CTSK	1.58E-03	2	CXCL1	3.81E-03	4
CCNG2	4.04E-05	2	NUAK1	2.72E-03	4
TMCO3	2.80E-03	2	ADAM12	2.98E-04	4
HSPB1	6.95E-04	2	BRD3	4.71E-03	4
ISG20L1	3.93E-03	2	COQ10A	6.12E-03	4
GALK1	3.98E-03	2	CENPE	1.75E-04	4
TNFAIP1	2.46E-03	2	PRDM1	4.49E-03	4
ME1	7.13E-05	2	HIST1H4L	1.99E-06	4
A1BG	6.22E-03	2	MSX2	3.80E-03	4
FBXO22	5.32E-03	2	DCLRE1B	9.45E-04	4
RAB5C	5.20E-03	2	OVOL1	5.58E-05	4
SRA1	4.71E-04	2	CCNB2	5.47E-03	4
CASD1	1.89E-03	2	GTF2B	9.09E-05	4
DNASE1L1	2.93E-06	2	DCLRE1C	3.09E-04	4

TNFRSF10B	1.31E-04	2	ABCA1	5.60E-03	4
S100A11	6.25E-03	2	ECT2	2.56E-03	4
LYPLA1	5.44E-03	2	ZNF653	5.32E-03	4
NOTCH2NL	3.32E-03	2	IFI30	5.71E-03	4
PLAC2	8.90E-04	2	MAP3K2	1.06E-03	4
RPL10L	4.46E-03	2	ADAR	4.99E-03	4
FZD1	1.67E-03	2	INPP1	1.17E-03	4
POLD4	4.58E-03	2	TMEM118	1.69E-06	4
POLR1E	1.03E-04	2	CITED2	5.28E-03	4
LAYN	3.23E-04	2	CASP1	3.89E-03	4
MGAT4A	5.38E-03	2	PDCL	1.48E-03	4
KIAA1430	4.18E-03	2	OLFM1	5.45E-04	4
RABGGTB	1.07E-03	2	ZNF281	1.66E-04	4
MGLL	2.07E-03	2	CNNM2	3.35E-03	4
SH2D3A	5.26E-03	2	SGOL2	4.92E-05	4
POLH	2.30E-03	2	PAQR9	8.47E-04	4
PMS2L2	4.53E-03	2	ITPKA	6.09E-03	4
GBA2	2.95E-04	2	NFKB1	1.22E-03	4
CENTD1	7.94E-05	2	FLJ32312	5.69E-03	3
PPIC	2.29E-03	2	PRPF19	3.12E-03	3
CD1A	3.01E-03	2	FLJ11286	5.04E-05	3
TKT	1.82E-03	2	DDX39	2.87E-03	3
CINP	6.38E-03	2	HMG2	1.06E-03	3
PIGN	5.71E-03	2	FAM40A	1.99E-03	3
PQLC3	1.23E-03	2	HBE1	3.81E-03	3
SPIN-2	1.02E-03	2	TUBD1	1.62E-03	3
TEKT4	5.65E-06	2	TROAP	6.14E-04	3
SCFD2	1.18E-03	2	MB	3.93E-03	3
TAS2R3	1.47E-03	2	KNTC1	1.75E-04	3
SMYD2	3.75E-03	2	RNF152	1.32E-03	3
EPHA1	1.74E-03	2	WHSC1L1	2.02E-05	3
SMAP1	1.29E-03	2	ZNF266	4.77E-04	3
ATP6V1B2	1.77E-03	2	MGC3032	2.50E-03	3
ENC1	2.65E-04	2	APOL2	5.14E-06	3
STUB1	4.19E-07	2	POU5F1	4.35E-03	3
SNCG	1.04E-04	2	ANP32B	2.56E-03	3
SPCS1	2.50E-03	2	SRCRB4D	1.67E-04	3
MYO6	2.42E-03	2	BUB1	7.19E-05	3
ZYG11B	2.53E-03	2	HBEGF	9.07E-09	3
JMJD2C	1.05E-03	2	HIST1H4J	3.86E-03	3
ZP3	1.93E-04	2	SQSTM1	5.14E-03	3
EFNB3	5.43E-03	2	KIF22	4.87E-03	3
SRI	3.93E-03	2	KBTBD2	2.18E-03	3

SNX24	1.02E-03	2	ZNF528	1.14E-03	3
PMS2L3	3.11E-04	2	ZBTB25	6.31E-03	3
RECK	3.73E-03	2	GIYD1	3.02E-03	3
SQLE	1.71E-04	2	DIP2C	2.09E-03	3
HMGCR	2.62E-03	2	RRM2	2.25E-03	3
TEPP	1.22E-04	2	ARHGAP21	3.68E-05	3
KIAA1804	2.28E-04	2	KIAA0280	9.05E-06	3
HARS2	2.14E-03	2	HIST1H4E	5.97E-03	3
CCDC120	6.07E-04	2	AADAC	1.43E-03	3
PRSS8	1.00E-03	2	NUPR1	7.82E-05	3
STX12	1.91E-03	2	PRRT2	2.67E-03	3
CD40	1.32E-06	2	CDC45L	5.63E-03	3
			CEP55	5.75E-03	3
			HIST1H3I	2.11E-06	3
			RHBDL3	3.46E-04	3
			FZD7	7.97E-04	3
			CRSP8	6.40E-04	3
			LANCL2	4.11E-03	3
			PLEKHK1	9.75E-05	3
			FCMD	5.60E-05	3
			FIGNL1	3.26E-03	3
			LPTM4B	2.45E-04	3
			HIST1H4F	1.54E-03	3
			IER2	4.93E-05	3
			NFIX	1.35E-05	3
			ZSCAN5	2.70E-04	3
			PSME2	3.56E-05	3
			LMX1B	1.65E-04	3
			CNAP1	1.60E-03	3
			CABP1	3.82E-03	3
			FLJ14397	4.15E-03	3
			KIAA1450	1.50E-04	3
			MAZ	6.28E-03	3
			ZSWIM1	2.71E-03	3
			CCDC74B	6.41E-04	3
			QKI	3.52E-04	3
			PHF19	1.92E-05	3
			CASC5	5.78E-03	3
			TRIM5	1.44E-03	3
			GINS1	7.48E-06	3
			GCA	3.59E-04	3
			SPIRE1	2.32E-03	3
			WDR34	2.25E-03	3

	DNTTIP1	1.87E-05	3
	IQCC	1.48E-04	3
	EPB41L1	1.42E-04	3
	TMED1	2.93E-03	3
	PHF2	1.14E-03	3
	NPNT	4.10E-03	3
	MDC1	7.87E-04	3
	ZFAND2A	4.03E-04	3
	IL27RA	4.00E-03	3
	TMED5	5.22E-03	3
	RNF36	8.77E-06	3
	SLC31A1	3.53E-03	3
	MPHOSPH9	7.15E-07	3
	TMEM37	7.21E-05	3
	PDGFA	1.78E-03	3
	KIAA1571	2.17E-04	3
	ZNF248	3.26E-03	3
	TRAF2	2.14E-03	3
	RFP	3.31E-03	3
	IQCK	5.06E-03	3
	RAD54L	1.62E-03	3
	FTH1	7.55E-04	3
	KIF26A	2.13E-03	3
	GPR172B	3.66E-04	3
	NLC1-C	4.83E-03	3
	HNRPA0	4.41E-03	3
	SOAT1	6.37E-04	3
	RPA2	5.32E-03	3
	GTF3C5	4.58E-03	3
	DAND5	1.75E-04	3
	ROD1	3.09E-04	3
	PPM2C	1.42E-03	3
	XKR3	5.12E-04	3
	DCC1	3.15E-03	3
	ARRDC2	1.78E-04	3
	BRF2	5.42E-03	3
	FLJ39582	1.70E-03	3
	CD302	7.98E-04	3
	PARD6B	3.03E-03	3
	APOL4	4.60E-04	3
	INTS7	9.63E-04	3
	ZNF227	3.59E-03	3
	ZBED1	4.98E-04	3

	KIF15	2.88E-04	3
	ZNF175	2.57E-03	3
	SLC9A8	3.32E-04	3
	DOC2A	5.88E-03	3
	PPP6C	5.86E-03	3
	ZCD2	2.21E-03	3
	NPAT	4.41E-06	3
	PRC1	2.36E-03	3
	HIST1H4B	5.07E-03	3
	GOLPH2	3.99E-03	3
	INHBA	5.58E-03	3
	POLA	1.46E-03	3
	TDRD7	2.00E-03	3
	CDT1	1.08E-05	3
	HIST1H4D	5.52E-04	3
	NFKBIL1	6.03E-03	3
	TRPV1	2.72E-05	3
	POLA2	5.35E-04	3
	ABCD3	3.01E-03	3
	KCNMB3	1.51E-03	3
	SFPQ	4.15E-03	3
	SMPD1	5.46E-03	3
	MATK	8.43E-04	3
	KIF27	2.69E-06	3
	KIF7	9.51E-04	3
	TRIP13	1.01E-03	3
	HKR3	4.87E-03	3
	PRMT6	3.40E-03	3
	HYLS1	8.33E-04	3
	MMP23B	5.72E-03	3
	AMPD2	1.00E-03	3
	GMNN	4.24E-03	3
	HIST1H2BD	1.38E-06	3
	ZNF189	6.10E-05	3
	IER3	3.68E-04	3
	LOXL4	3.66E-03	3
	ACTL6A	5.54E-03	3
	CYP2B6	2.22E-03	3
	GALNS	4.74E-03	3
	PHF21B	3.51E-03	3
	TRIM22	5.03E-03	3
	BARD1	8.75E-07	3
	CELSR3	1.72E-04	3

	TP53BP2	7.50E-05	3
	RASIP1	7.27E-05	3
	RAD51AP1	2.73E-03	3
	GLOXD1	1.47E-04	3
	ZNF469	2.40E-04	3
	EXT1	1.99E-03	3
	PDLIM1	3.05E-03	3
	HLA-DMB	1.04E-03	3
	POLE3	3.55E-05	3
	ZNF20	5.54E-04	3
	CRSP2	4.14E-03	3
	HLXB9	1.81E-04	3
	HIST1H3F	1.84E-03	3
	GPR56	8.41E-05	3
	RNASEH2A	2.98E-03	3
	UBXD5	3.14E-03	3
	SCIN	4.46E-03	3
	TMEM15	1.18E-03	3
	RGC32	2.88E-03	3
	NNT	2.40E-03	3
	ANKRD10	2.66E-04	3
	RND3	1.68E-04	3
	ZBTB6	2.59E-03	3
	PLAT	6.42E-03	3
	CHN1	2.84E-03	3
	RAB30	2.90E-04	3
	CREB3L4	4.30E-04	3
	BRD8	1.16E-04	3
	NDUFB9	6.34E-03	3
	DNAPTP6	6.28E-03	3
	ZNF76	1.49E-03	3
	FAM55C	5.28E-03	3
	ZNF232	3.31E-06	3
	CYB5B	9.80E-06	3
	HSPA1A	2.26E-04	3
	TBC1D15	6.75E-04	3
	TESK2	6.17E-11	3
	SEPX1	9.77E-05	3
	CEI	1.92E-04	3
	TMEPAI	3.06E-04	3
	LY6K	1.11E-03	3
	USP31	4.04E-03	3
	B3GALT4	4.39E-03	3

	TG	4.93E-03	3
	RAE1	4.30E-03	3
	PTTG2	2.35E-05	3
	DNA2L	4.21E-03	3
	KCNS3	3.23E-03	3
	LEFTY1	3.00E-04	3
	GTF3C4	9.04E-05	3
	UGCG	2.46E-03	3
	FCHSD2	2.81E-03	3
	FAM102A	5.62E-04	3
	MGC14327	1.28E-04	3
	GCDH	3.40E-03	3
	ZNF292	3.20E-08	3
	TMEM39A	2.41E-03	3
	HUS1B	3.69E-03	3
	ABTB2	2.29E-04	3
	HNRPA2B1	7.14E-04	3
	GINS2	1.31E-03	3
	E2F8	4.92E-04	3
	CBFA2T2	1.40E-03	3
	MAN1B1	5.33E-04	3
	FANCM	5.84E-03	3
	MAP3K13	4.20E-03	3
	SULT4A1	6.90E-04	3
	FLJ13744	2.10E-03	3
	EDN1	9.04E-05	3
	LDB2	1.80E-03	3
	WNT3	2.78E-03	3
	INCA	2.56E-03	3
	SSNA1	5.58E-06	3
	CCL20	3.19E-03	3
	PTTG3	3.08E-04	3
	RCC2	2.52E-06	3
	TBC1D13	3.44E-04	3
	ZCCHC3	4.56E-04	3
	FLJ45248	3.19E-04	3
	TMSB4X	1.18E-03	3
	DLX2	3.16E-03	3
	CRY1	2.87E-04	3
	SP2	6.79E-04	3
	MRPL47	2.82E-03	3
	RCC1	1.13E-04	3
	LHX6	2.57E-04	3

	VAX2	3.09E-03	3
	CWF19L2	3.76E-03	3
	IL23A	5.71E-04	3
	IQCE	1.91E-03	3
	RIOK3	1.44E-04	3
	GBAP	7.73E-04	3
	CBR3	9.42E-04	3
	ZNF251	6.03E-03	3
	WDR53	2.70E-03	3
	NALP12	1.46E-03	3
	PNPT1	1.40E-03	3
	AHR	3.84E-03	3
	SNRPD1	3.79E-03	3
	KIAA1600	2.37E-04	3
	MED10	1.21E-03	3
	DZIP1	3.47E-04	3
	MGC11271	3.06E-03	3
	RASEF	1.37E-03	3
	SET	1.80E-04	3
	FAM13A1	1.01E-05	3
	RAB6A	1.46E-03	3
	PPGB	6.31E-03	3
	METTL1	8.13E-05	3
	LGP2	3.10E-04	3
	ITGAV	2.53E-03	3
	MOCOS	8.96E-05	3
	ZDHHC6	3.78E-04	3
	DERL2	9.70E-08	3
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	MGC12982	3.44E-03	2
	UBQLN1	1.75E-04	2
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	H2AFV	2.13E-03	2
	PSCD2L	4.45E-05	2
	RAD9A	1.23E-03	2
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	TRIM32	2.58E-03	2
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	KIAA1706	2.60E-04	2
	ASNA1	2.62E-03	2
	WDR71	1.09E-04	2

	KIAA0495	1.83E-03	2
	CAMK1D	5.84E-03	2
	CD164	8.40E-05	2
	UCN	3.49E-03	2
	CSTF2	8.34E-04	2
	PELI2	7.23E-05	2
	SNAI1	3.50E-04	2
	SLC2A5	1.47E-04	2
	BCL3	3.07E-03	2
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	SLC39A7	3.36E-03	2
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	NCOA3	4.87E-04	2
	TRPC4	3.67E-03	2
	PDE10A	6.14E-03	2
	TMEM22	3.46E-03	2
	GADD45GIP1	2.54E-05	2
	HIVEP2	3.47E-03	2
	PARP1	2.43E-04	2
	PHYH	6.00E-03	2
	RWDD2	8.63E-04	2
	CASP5	5.07E-04	2
	WAC	3.33E-03	2
	MINPP1	8.09E-04	2
	HCLS1	3.25E-03	2
	PSAT1	8.60E-05	2
	MRPL11	3.44E-04	2
	RABEPK	9.82E-04	2
	HIST1H2AD	2.16E-03	2
	STARD5	5.96E-03	2
	BTN2A2	1.02E-03	2
	RNF144	2.97E-03	2
	GNS	1.80E-03	2
	SEPHS2	3.38E-03	2
	PASD1	1.79E-03	2
	KLF10	4.59E-04	2
	ACADS	1.23E-04	2
	CLPB	1.83E-03	2

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	DDOST	2.94E-03	2
	ECOP	1.70E-03	2
	ZNF12	5.88E-04	2
	RIC8B	4.69E-06	2
	NSMCE2	4.89E-03	2
	DACT1	2.65E-03	2
	BVES	4.44E-04	2
	TMEM121	2.42E-03	2
	GATM	5.72E-03	2
	FAM50B	3.24E-04	2
	KLF11	4.04E-03	2
	CDK9	5.04E-10	2
	SORD	2.73E-05	2
	BACH1	4.33E-03	2
	PSMC2	6.21E-03	2
	TRAF1	1.28E-03	2
	MPO	6.22E-03	2
	TRAPPC6A	2.79E-03	2
	DBT	1.19E-06	2
	HCFC1R1	2.34E-03	2
	ZFHX4	4.34E-03	2
	CCDC75	5.55E-03	2
	SHRM	1.96E-03	2
	TBPL1	1.30E-04	2
	JOSD1	1.12E-03	2
	RFWD2	5.53E-04	2
	FAM91A1	4.86E-03	2
	COL27A1	7.32E-04	2
	PFKFB4	2.66E-04	2
	RFC3	1.68E-03	2
	BCL2L11	4.84E-05	2
	FGFR1OP	2.27E-03	2
	CENPP	2.93E-03	2
	XKR4	4.19E-03	2
	COL4A2	3.65E-03	2
	EID-3	1.85E-05	2
	STARD13	3.41E-04	2
	CCPG1	5.10E-03	2
	RAD51	2.42E-03	2
	RBBP7	2.44E-05	2
	PPAPDC1B	7.18E-04	2

	SURF2	3.99E-04	2
	FOXP4	3.17E-04	2
	NEU1	5.14E-03	2
	NOL8	4.14E-04	2
	SLC2A6	3.49E-05	2
	ODF2	2.48E-03	2
	SLC12A8	4.73E-03	2
	MYST3	3.34E-05	2
	RBM4B	2.17E-05	2
	ANKMY2	2.09E-03	2
	CTCF	8.56E-06	2
	HSD17B6	2.21E-04	2
	ABCA2	5.70E-03	2
	SMC1A	2.20E-03	2
	MTG1	4.06E-03	2
	ROM1	6.22E-03	2
	FGF19	5.70E-05	2
	TMSL8	4.75E-06	2
	RGS3	3.10E-03	2
	RLF	4.47E-04	2
	SUV39H2	3.17E-03	2
	ALG2	1.46E-03	2
	ZNF564	7.88E-04	2
	DNAI2	2.56E-03	2
	SITPEC	1.20E-04	2
	FLJ90396	4.77E-03	2
	CHD6	5.69E-03	2
	MGA	3.77E-03	2
	FLJ20105	2.54E-03	2
	VPS11	1.63E-03	2
	GSG2	1.81E-03	2
	ELF2	3.03E-03	2
	NHN1	4.07E-03	2
	SGCZ	9.04E-04	2
	CCNJL	2.09E-03	2
	BCL2L12	4.84E-04	2
	SIVA	1.57E-06	2
	ZCCHC8	3.58E-04	2
	SFRS10	1.76E-03	2
	METTTL7A	5.58E-04	2
	FBXO34	1.53E-04	2
	SLC1A5	2.29E-05	2
	ZNF271	1.90E-04	2

	PAIP1	4.23E-03	2
	PLEKHO1	6.41E-03	2
	CCDC77	1.53E-03	2
	FLJ25715	4.73E-03	2
	AK1	2.90E-05	2
	PPIL6	4.20E-03	2
	ATP1A1	5.32E-03	2
	KIAA0101	7.48E-05	2
	S79672	8.43E-05	2
	HAT1	2.74E-03	2
	LIMD2	1.61E-03	2
	ALDH3B1	4.72E-03	2
	OR2C1	3.96E-03	2
	BUB3	1.14E-06	2
	MIS12	3.18E-03	2
	SUSD1	1.35E-04	2
	TIMP4	5.36E-03	2
	CYB5R4	2.63E-03	2
	CHD3	6.64E-04	2
	CD511705	1.84E-03	2
	ZNF148	5.36E-03	2
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	CCDC99	1.12E-03	2
	NCOA5	3.72E-03	2
	KRT18	2.51E-03	2
	LSM5	1.07E-03	2
	DHX36	1.90E-03	2
	PSMD11	5.72E-03	2
	NUP107	4.41E-03	2
	ETV6	1.52E-03	2
	ESRRA	3.46E-03	2
	POLD1	2.99E-03	2
	EPHA2	1.47E-03	2
	ERP29	6.18E-03	2
	HSPC152	6.06E-05	2
	SNAPC4	3.93E-05	2
	WDHD1	5.32E-03	2
	ST14	1.94E-03	2
	BMP2	2.26E-04	2
	SLC22A3	2.63E-05	2
	PHF3	9.51E-04	2

	WDSUB1	1.07E-03	2
	DGKD	2.51E-03	2
	UNQ501	4.38E-06	2
	IFT80	3.71E-03	2
	RBM22	1.43E-03	2
	PARP6	2.87E-03	2
	FBXL6	2.85E-03	2
	PRKAA2	2.89E-03	2
	KIF24	1.86E-03	2
	MYST4	2.12E-03	2
	LFNG	1.08E-03	2
	COBRA1	1.37E-03	2
	ORC3L	5.48E-05	2
	NUDT1	5.06E-03	2
	ALG14	3.17E-03	2
	PLP2	7.47E-04	2
	LRP16	3.17E-03	2
	ADCY1	4.60E-03	2
	HRSP12	9.50E-04	2
	TRMT1	2.43E-05	2
	TAF11	2.17E-04	2
	P2RX5	1.57E-03	2
	RIF1	1.67E-03	2
	HDAC1	5.82E-03	2
	HSPA5	4.81E-03	2
	KIAA1505	4.34E-03	2
	MGC4562	6.14E-03	2
	RAPGEF1	5.10E-03	2
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	KIAA0841	3.50E-03	2
	AGPAT2	2.91E-03	2
	DHX16	6.21E-03	2
	FTSJ2	1.32E-05	2
	DNAH17	8.02E-04	2
	PIGX	2.63E-03	2
	DMRT3	6.36E-03	2
	GOLGA2L1	3.84E-03	2