

**Table S1.** List of proteins included in the analysis.

<b>Protein</b>	<b>Dilution factor</b>	<b>LOD (pg/ml)</b>	<b>LLOQ (pg/ml)</b>	<b>ULOQ (pg/ml)</b>	<b>Hook (pg/mL)</b>	<b>Range (log10)</b>	<b>Intra-CV (%)</b>	<b>Inter-CV (%)</b>
TIA1	1:1						9	27
COMT	1:1	97.7	195.3	100000	800000	2.7	8	10
DUOX2	1:1	97.7	195.3	100000	200000	2.7	7	31
NPPB	1:1						10	18
TSPAN1	1:1						7	9
CHEK2	1:1						13	19
RCOR1	1:1	1.5	3.1	3125	12500	3.0	7	12
DNAJB8	1:1						9	10
MTPN	1:1						8	8
EDIL3	1:1	24.4	48.8	200000	800000	3.6	8	13
THPO	1:1	97.7	781.3	200000	400000	2.4	9	14
MPHOSPH8	1:1	48.8	97.7	12500	25000	2.1	8	19
ADH4	1:1						7	8
S100P	1:1						12	15
ADAMTS16	1:1	6.1	24.4	25000	200000	3.0	9	6
GLO1	1:1						7	9
ACE2	1:1	48.8	97.7	100000	400000	3.0	9	10
MSTN	1:1	390.6	781.3	50000	400000	1.8	10	14
PAG1	1:1	24.4	48.8	6250	200000	2.1	11	11
ADAM15	1:1	24.4	48.8	25000	200000	2.7	7	10
EPHX2	1:1	390.6	781.3	100000	200000	2.1	7	21
CLTA	1:1	3125.0	6250.0	6400000	12800000	3.0	7	18
GRK5	1:1	1562.5	3125.0	400000	800000	2.1	8	14
GP2	1:1	3.1	6.1	12500	200000	3.3	6	9
TNF	1:1	6.1	12.2	6250	200000	2.7	8	16
HK2	1:1	97.7	195.3	50000	200000	2.4	9	39
CTSH	1:1						11	10
ENTPD6	1:1	195.3	781.3	50000	800000	1.8	8	8
BOC	1:1						8	10
BMP6	1:1	0.001	97.7	12500	200000	2.1	13	16
IL6	1:1	0.4	0.8	3125	12500	3.6	6	12
BAG6	1:1	390.6	781.3	200000	400000	2.4	8	10
USP8	1:1	3125.0	6250.0	800000	800000	2.1	8	13
ACTA2	1:1						7	8
FABP6	1:1						10	24
MMP7	1:1	97.7	97.7	6250	50000	1.8	6	8
PON2	1:1						8	8
WASF1	1:1	6250.0	12500.0	800000	1600000	1.8	10	19
CRX	1:1						8	13
VIM	1:1	12500.0	12500.0	1600000	3200000	2.1	6	60

DCN	1:1	195.3	390.6	100000	200000	2.4	7	11
STK11	1:1	390.6	781.3	400000	800000	2.7	10	21
TNNI3	1:1	97.7	195.3	25000	200000	2.1	15	14
ITGB1BP2	1:1	195.3	781.3	100000	200000	2.1	9	18
TCL1B	1:1	97.7	195.3	200000	800000	3.0	8	24
SERPINB5	1:1	781.3	1562.5	100000	200000	1.8	11	21
CTF1	1:1	195.3	781.3	100000	400000	2.1	11	22
HNRNPK	1:1	97.7	97.7	50000	200000	2.7	8	12
CEBPB	1:1						11	41
VSTM2L	1:1						8	11
ZBTB17	1:1	6.1	12.2	6250	200000	2.7	8	8
CEP43	1:1	781.3	1562.5	100000	3200000	1.8	10	24
PTN	1:1						20	17
CRHR1	1:1	24.4	48.8	6250	25000	2.1	7	24
SUSD1	1:1	48.8	97.7	12500	200000	2.1	8	14
TSLP	1:1	6.1	48.8	12500	200000	2.4	7	14
CA5A	1:1	1.5	6.1	6250	25000	3.0	7	9
MFAP3	1:1	24.4	48.8	100000	800000	3.3	9	26
AKR1C4	1:1	390.6	781.3	100000	400000	2.1	12	17
GPR37	1:1	781.3	1562.5	100000	400000	1.8	9	11
IRAG2	1:1	48.8	97.7	12500	50000	2.1	8	12
CEACAM8	1:1						9	12
HEBP1	1:1						8	12
CNPY2	1:1						7	10
VAMP5	1:1	390.6	781.3	200000	400000	2.4	8	30
GYS1	1:1	12.2	48.8	25000	200000	2.7	8	16
GZMH	1:1						8	12
SLITRK6	1:1	24.4	48.8	100000	400000	3.3	7	14
CLEC1A	1:1	97.7	195.3	25000	400000	2.1	7	10
ENTPD5	1:1	48.8	97.7	100000	800000	3.0	8	8
TP53INP1	1:1	97.7	195.3	25000	200000	2.1	8	8
TINAGL1	1:10	1.5	3.1	6250	50000	3.3	10	6
CBLIF	1:10	0.2	0.4	6250	50000	4.2	9	6
FABP2	1:10	0.4	1.5	781	6250	2.7	9	8
NPDC1	1:10	6.1	12.2	3125	50000	2.4	10	6
RNASE3	1:10						12	18
GHRL	1:10	24.4	48.8	50000	200000	3.0	8	13
GLRX	1:10						9	11
LEP	1:10	12.2	48.8	12500	200000	2.4	7	11
LGALS1	1:10	24.4	48.8	50000	200000	3.0	12	15
IL6ST	1:10	390.6	781.3	200000	800000	2.4	7	7
NECTIN2	1:10	0.1	0.1	195	781	3.3	9	6
ACOX1	1:10						9	15
NTRK2	1:10	48.8	48.8	6250	50000	2.1	10	10
KITLG	1:10	3.1	6.1	12500	50000	3.3	10	8
SDC4	1:10	1.5	3.1	3125	200000	3.0	9	6
QDPR	1:10	12.2	24.4	50000	800000	3.3	7	7
CANT1	1:10	6.1	12.2	6250	50000	2.7	8	5
CLUL1	1:10	6.1	12.2	6250	50000	2.7	9	12

PILRB	1:10	0.8	1.5	3125	12500	3.3	7	6
SNAP23	1:10	6.1	12.2	12500	50000	3.0	12	13
CHRD2	1:10	195.3	390.6	50000	200000	2.1	10	7
NRCAM	1:10	6.1	12.2	6250	12500	2.7	15	16
AK1	1:10						9	10
STK4	1:10	195.3	390.6	6250	50000	1.2	6	28
ANXA4	1:10	97.7	195.3	25000	800000	2.1	7	14
CLC	1:10	390.6	781.3	50000	800000	1.8	10	8
DPP7	1:10	97.7	195.3	50000	400000	2.4	11	15
ACY1	1:10	390.6	781.3	400000	800000	2.7	10	11
PRKAR1A	1:10	24.4	48.8	100000	200000	3.3	12	12
PLPBP	1:10	12.2	24.4	12500	50000	2.7	9	12
PDGFRA	1:10	12.2	48.8	6250	50000	2.1	10	6
DCTPP1	1:10	12.2	24.4	12500	50000	2.7	9	9
PCDH17	1:10	24.4	48.8	50000	400000	3.0	13	10
VSIR	1:10	1.5	3.1	1563	6250	2.7	10	14
NT-proBNP	1:10	97.7	195.3	50000	200000	2.4	11	9
S100A11	1:10	6.1	6.1	3125	12500	2.7	14	10
CCL27	1:10						17	14
TSHB	1:10	1.5	3.1	1563	3125	2.7	11	7
TGM2	1:10	6.1	24.4	50000	200000	3.3	15	11
AGXT	1:10	390.6	781.3	1600000	12800000	3.3	9	10
ICAM5	1:10	12.2	24.4	6250	50000	2.4	9	9
PM20D1	1:10	48.8	97.7	100000	800000	3.0	11	13
CLEC5A	1:10	0.1	0.4	3125	6250	3.9	9	8
CDHR5	1:10	12.2	48.8	25000	200000	2.7	10	7
ACAN	1:10	12.2	24.4	50000	200000	3.3	12	9
CDH6	1:10	97.7	195.3	25000	200000	2.1	12	10
PLIN3	1:10	195.3	390.6	50000	800000	2.1	12	13
GSTA1	1:10	3.1	6.1	12500	400000	3.3	9	7
THOP1	1:10	6.1	12.2	6250	200000	2.7	9	5
IGSF8	1:10	12.2	12.2	25000	200000	3.3	9	9
PDCD6	1:10	1562.5	1562.5	100000	800000	1.8	8	10
PLXNB3	1:10	24.4	48.8	50000	200000	3.0	10	13
MNDA	1:10	390.6	781.3	800000	800000	3.0	9	10
LEPR	1:10						8	12
SIGLEC7	1:10	3.1	3.1	6250	50000	3.3	8	8
APLP1	1:10	195.3	195.3	50000	400000	2.4	12	15
NPTXR	1:10	6.1	12.2	25000	50000	3.3	10	7
GRAP2	1:10	1562.5	3125.0	400000	800000	2.1	8	10
TYRO3	1:10	3.1	6.1	1563	6250	2.4	9	10
CDH17	1:10	195.3	390.6	50000	400000	2.1	14	13
SNX9	1:10	390.6	781.3	400000	800000	2.7	9	11
EIF4EBP1	1:10	24.4	24.4	12500	50000	2.7	8	8
IL19	1:10	3.1	12.2	100000	400000	3.9	9	7
IGFBPL1	1:10	0.001	1.5	3125	6250	3.3	9	9
SSC4D	1:10	6.1	6.1	6250	200000	3.0	7	8
OLR1	1:10	3.1	3.1	3125	12500	3.0	9	8
CGREF1	1:10	24.4	48.8	6250	50000	2.1	8	7

MCFD2	1:10	48.8	97.7	12500	400000	2.1	9	7
AHCY	1:10	195.3	390.6	100000	400000	2.4	8	13
SERPINA12	1:10	24.4	97.7	6250	50000	1.8	9	14
HMOX1	1:10	3.1	3.1	6250	25000	3.3	9	13
PRSS27	1:10	12.2	24.4	25000	50000	3.0	8	6
CNST	1:10	12.2	48.8	6250	50000	2.1	10	21
ADGRG2	1:10	12.2	48.8	12500	50000	2.4	10	8
LPL	1:10	195.3	195.3	400000	800000	3.3	8	11
FADD	1:10	781.3	3125.0	800000	800000	2.4	9	10
DIABLO	1:10	3.1	6.1	12500	50000	3.3	12	28
LRP11	1:10	12.2	48.8	6250	200000	2.1	11	7
SFTPD	1:10	6.1	12.2	6250	50000	2.7	8	5
NADK	1:10	62.5	125.0	256000	512000	3.3	10	6
GPNMB	1:10	24.4	48.8	12500	200000	2.4	12	10
SDC1	1:10	6.1	12.2	6250	200000	2.7	14	12
CXCL8	1:10	0.1	0.2	781	6250	3.6	10	15
LACTB2	1:10	48.8	97.7	25000	200000	2.4	8	9
SPON2	1:10	24.4	48.8	25000	400000	2.7	9	8
MEP1B	1:10	97.7	195.3	25000	50000	2.1	9	9
CD2AP	1:10	6.1	12.2	12500	50000	3.0	10	9
PPP1R2	1:10	12.2	24.4	12500	50000	2.7	9	10
SEMA3F	1:10	148.4	296.9	38000	304000	2.1	9	8
FCRL1	1:10	97.7	195.3	400000	800000	3.3	10	7
CDH2	1:10	390.6	781.3	200000	800000	2.4	11	9
REN	1:10	6.1	12.2	12500	50000	3.0	9	9
CA13	1:10	6.1	24.4	12500	50000	2.7	8	15
CD69	1:10	0.8	3.1	12500	50000	3.6	12	14
GDF2	1:10	1.5	6.1	12500	50000	3.3	10	8
ANGPTL1	1:10	97.7	195.3	100000	400000	2.7	9	7
MARCO	1:10	24.4	24.4	50000	800000	3.3	7	6
COL4A1	1:10	0.8	3.1	50000	200000	4.2	10	6
THBD	1:10	3.1	6.1	6250	50000	3.0	9	8
GH1	1:10						7	15
LILRA5	1:10	0.8	1.5	3125	6250	3.3	8	7
ROR1	1:10	24.4	48.8	3125	12500	1.8	10	7
KYAT1	1:10	0.8	1.5	3125	12500	3.3	12	8
FBP1	1:10	97.7	195.3	50000	200000	2.4	8	40
CXCL5	1:10	3.1	6.1	3125	6250	2.7	11	10
SOST	1:10	6.1	6.1	25000	50000	3.6	8	11
CCDC80	1:10	24.4	48.8	50000	800000	3.0	10	8
TYMP	1:10	390.6	781.3	200000	800000	2.4	9	17
FAM3C	1:10	3.1	6.1	6250	50000	3.0	8	7
CTSL	1:10	24.4	97.7	50000	200000	2.7	10	9
HSPB1	1:10						15	28
SORT1	1:10	24.4	24.4	50000	400000	3.3	9	8
DDC	1:10	3.1	6.1	25000	50000	3.6	8	7
DOK2	1:10	6.1	12.2	25000	200000	3.3	10	15
UMOD	1:100	1.5	3.1	12500	100000	3.6	4	3
MFAP5	1:100	12.2	24.4	12500	100000	2.7	6	9

PLAT	1:100	0.8	3.1	25000	100000	3.9	8	8
SEMA7A	1:100	0.8	1.5	12500	50000	3.9	5	5
CES1	1:100	24.4	48.8	400000	800000	3.9	5	7
CA4	1:100	0.8	1.5	12500	100000	3.9	5	6
PLTP	1:100	6.1	12.2	25000	400000	3.3	5	11
LDLR	1:100	0.8	1.5	25000	100000	4.2	4	14
ICAM2	1:100	97.7	195.3	200000	400000	3.0	6	9
PCSK9	1:100	97.7	195.3	400000	800000	3.3	5	28
FABP4	1:100	48.8	195.3	50000	200000	2.4	5	5
ADAMTS13	1:100	6.1	12.2	6250	100000	2.7	6	9
IGFBP1	1:100	1.5	3.1	12500	100000	3.6	3	3
CDH5	1:100	195.3	390.6	200000	400000	2.7	5	8
IGFBP7	1:100	12.2	24.4	12500	200000	2.7	7	8
EPHB4	1:100	1.5	3.1	12500	100000	3.6	4	5
ESAM	1:100	3.1	6.1	3125	12500	2.7	4	5
ICAM3	1:100	1.5	1.5	3125	12500	3.3	3	4
MSMB	1:100	0.001	6.1	6250	12500	3.0	3	5
REG3A	1:100	0.4	0.8	1563	12500	3.3	4	5
IL2RA	1:100	0.02	0.0	391	3125	3.9	5	5
CTSB	1:100	12.2	24.4	12500	25000	2.7	4	4
DKK3	1:100	6.1	12.2	25000	100000	3.3	5	5
SERPINA11	1:100	3.1	6.1	12500	100000	3.3	4	14
FUCA1	1:100	6.1	12.2	50000	200000	3.6	6	13
LTBP2	1:100	6.1	12.2	25000	200000	3.3	4	5
CRTAC1	1:100	6.1	24.4	100000	800000	3.6	6	8
TNFRSF10C	1:100	0.4	0.8	6250	12500	3.9	5	5
PEAR1	1:100	12.2	24.4	12500	100000	2.7	5	4
REG1B	1:100	0.8	1.5	1563	12500	3.0	4	4
CPA1	1:100	0.4	0.8	3125	12500	3.6	6	5
DPT	1:100	3.1	6.1	6250	400000	3.0	6	7
LGALS3	1:100	12.2	48.8	12500	50000	2.4	5	5
VWF	1:100	1.5	3.1	12500	100000	3.6	9	32
XG	1:100	1.5	3.1	6250	12500	3.3	6	10
TGFBR3	1:100	12.2	24.4	100000	200000	3.6	5	8
PLA2G2A	1:100						6	9
TNFSF13B	1:100	0.2	0.8	12500	50000	4.2	4	4
MET	1:100	6.1	12.2	12500	50000	3.0	4	6
CXCL16	1:100	0.8	1.5	12500	50000	3.9	5	6
NOTCH3	1:100	1.5	3.1	6250	50000	3.3	6	8
CA3	1:100	1562.5	12500.0	12800000	12800000	3.0	4	5
PDGFRB	1:100	3.1	6.1	3125	12500	2.7	4	4
DLK1	1:100	0.8	3.1	6250	25000	3.3	4	5
SCARF1	1:100	0.8	1.5	3125	12500	3.3	5	6
GDF15	1:100	1.5	3.1	6250	25000	3.3	5	4
CSTB	1:100	3.1	6.1	3125	12500	2.7	4	3
MB	1:100	0.8	0.8	195	3125	2.4	4	5
ENPP2	1:100	390.6	781.3	100000	800000	2.1	4	5
GUSB	1:100	3.1	6.1	6250	50000	3.0	4	6
IL1RL1	1:100	0.8	3.1	3125	12500	3.0	4	4

ALCAM	1:100	3.1	6.1	3125	12500	2.7	4	5
ADGRE5	1:100	3.1	6.1	25000	200000	3.6	5	7
ENG	1:100	1.5	3.1	3125	12500	3.0	4	4
CORO1A	1:100	6.1	24.4	100000	400000	3.6	6	7
COL6A3	1:100	3.1	6.1	3125	100000	2.7	4	6
SELE	1:100	0.8	1.5	1563	3125	3.0	5	5
CPB1	1:100	1.5	3.1	6250	25000	3.3	4	5
CST6	1:100	12.2	24.4	3125	12500	2.1	5	5
CD209	1:100	1.5	3.1	12500	100000	3.6	4	6
PLA2G1B	1:100	0.4	0.8	6250	12500	3.9	4	6
MEGF9	1:100	0.8	1.5	6250	25000	3.6	5	6
PAM	1:100	97.7	195.3	200000	800000	3.0	4	6
CCN3	1:100	0.001	1.5	6250	25000	3.6	3	5
TCN2	1:100	0.8	1.5	6250	12500	3.6	5	9
LILRB5	1:100	0.4	0.8	6250	25000	3.9	4	4
IGFBP2	1:100	12.2	24.4	50000	200000	3.3	5	7
RNASET2	1:100	0.4	0.8	3125	12500	3.6	4	4
AMY2B	1:100	12.2	24.4	6250	25000	2.4	8	10
CNTN1	1:100	3.1	6.1	12500	100000	3.3	5	6
CHIT1	1:100	0.4	0.8	6250	25000	3.9	5	5
COL18A1	1:100	3.1	6.1	3125	12500	2.7	4	8
FAS	1:100	0.1	0.2	6250	12500	4.5	5	6
PPIB	1:100	24.4	48.8	12500	200000	2.4	8	10
CCL16	1:100	3.1	3.1	6250	12500	3.3	4	8
BLMH	1:100	24.4	48.8	12500	100000	2.4	4	5
PTPRS	1:100	3.1	6.1	6250	12500	3.0	5	5
PI3	1:100	12.2	48.8	6250	12500	2.1	5	5
TIE1	1:100						4	6
CELA3A	1:100	1.5	6.1	6250	25000	3.0	4	7
NOTCH1	1:100	0.2	0.4	6250	12500	4.2	3	4
AMY2A	1:100	24.4	24.4	6250	12500	2.4	8	8
SIRPA	1:100	0.4	0.8	6250	12500	3.9	5	7
PDGFA	1:100	0.4	0.8	3125	12500	3.6	4	6
RETN	1:100	0.2	0.4	3125	12500	3.9	6	6
PLXNB2	1:100	0.8	1.5	6250	50000	3.6	4	5
PRTN3	1:100	12.2	48.8	6250	100000	2.1	5	4
ITGB2	1:100	1.5	3.1	6250	25000	3.3	6	8
CD59	1:100	0.001	6.1	1563	3125	2.4	4	6
PGLYRP1	1:100	0.8	1.5	3125	12500	3.3	5	6
FAP	1:100	12.2	24.4	12500	25000	2.7	5	6
SERPINE1	1:100	0.8	1.5	6250	25000	3.6	6	5
EGFR	1:100	3.1	6.1	6250	12500	3.0	4	6
ACP5	1:100	0.8	1.5	6250	12500	3.6	4	7
COL1A1	1:100						3	4
AZU1	1:100	6.1	12.2	6250	12500	2.7	7	9
CASP3	1:100	1.5	3.1	3125	12500	3.0	5	9
SPP1	1:100	1.5	3.1	6250	12500	3.3	3	8
QPCT	1:100	24.4	48.8	6250	50000	2.1	5	7
GAS6	1:100	48.8	97.7	400000	800000	3.6	5	7

PRCP	1:100	24.4	24.4	6250	25000	2.4	5	6
BPIFB1	1:100	97.7	390.6	200000	800000	2.7	5	8
CCL15	1:100	3.1	6.1	6250	12500	3.0	8	5
LILRB2	1:100	0.8	1.5	6250	12500	3.6	4	6
PTPRF	1:100	3.1	6.1	25000	200000	3.6	4	7
HYOU1	1:100	24.4	24.4	12500	400000	2.7	5	6
ST6GAL1	1:100	24.4	48.8	400000	800000	3.9	6	9
LILRB1	1:100	0.8	1.5	3125	12500	3.3	4	5
MCAM	1:1000	24.4	48.8	25000	800000	2.7	8	7
F9	1:1000	48.8	97.7	50000	800000	2.7	7	9
CDH1	1:1000	6.1	6.1	12500	50000	3.3	9	12
CD46	1:1000	390.6	3125.0	6400000	12800000	3.3	11	13
NCAM1	1:1000	6.1	12.2	25000	400000	3.3	7	9
FCGR2A	1:1000	0.2	0.4	1563	6250	3.6	10	10
CTSZ	1:1000	0.8	1.5	3125	6250	3.3	7	9
LBP	1:1000						11	24
HYAL1	1:1000	24.4	24.4	25000	100000	3.0	7	6
PRSS2	1:1000	0.4	0.8	391	12500	2.7	7	6
GP1BA	1:1000	1.5	3.1	12500	25000	3.6	7	11
HSPG2	1:1000	0.4	1.5	6250	25000	3.6	5	9
IL6R	1:1000	0.1	0.2	3125	6250	4.2	7	10
DEFA1_DEFA1B	1:1000						12	22
TNC	1:1000	0.4	1.5	3125	25000	3.3	9	10
SELP	1:1000	0.2	0.4	3125	12500	3.9	9	11
SPARCL1	1:1000	6.1	12.2	12500	50000	3.0	9	9
CD163	1:1000	6.1	12.2	25000	100000	3.3	8	7
IL18BP	1:1000	0.8	1.5	12500	25000	3.9	7	10
CR2	1:1000	0.4	0.8	12500	25000	4.2	6	8
ADA2	1:1000	0.4	0.8	6250	50000	3.9	6	7
ART3	1:1000	1.5	3.1	3125	25000	3.0	7	7
FCN2	1:1000	12.2	12.2	25000	800000	3.3	8	11
LCN2	1:1000	0.8	1.5	1563	25000	3.0	8	9
AXL	1:1000	0.4	0.8	6250	25000	3.9	8	7
OSMR	1:1000	6.1	12.2	12500	25000	3.0	7	9
PCOLCE	1:1000	24.4	48.8	12500	25000	2.4	9	13
NRP1	1:1000	6.1	12.2	12500	25000	3.0	8	8
CNDP1	1:1000	390.6	781.3	400000	800000	2.7	8	15
VASN	1:1000	6.1	12.2	12500	50000	3.0	9	9
VCAM1	1:1000	1.5	3.1	12500	50000	3.6	6	8
SOD1	1:1000	24.4	97.7	6250	25000	1.8	5	19
FCGR3B	1:1000	3.1	6.1	6250	25000	3.0	7	7
CTSD	1:1000	48.8	195.3	25000	50000	2.1		
AOC3	1:1000	6.1	12.2	6250	25000	2.7	8	8
ANPEP	1:1000	24.4	48.8	100000	800000	3.3	7	8
CD55	1:1000	0.2	0.4	3125	6250	3.9	8	9
CHL1	1:1000	24.4	48.8	12500	400000	2.4	7	8
TFRC	1:1000	24.4	48.8	200000	800000	3.6	7	6
ITGB1	1:1000	0.05	0.4	12500	25000	4.5	11	13
TFPI	1:1000	0.8	1.5	6250	50000	3.6	10	13

C1QTNF1	1:1000	0.8	1.5	6250	50000	3.6	17	19
CD93	1:1000	0.2	0.4	6250	25000	4.2	7	8
KIT	1:1000	0.4	0.8	1563	6250	3.3	8	10
NID1	1:1000	3.1	6.1	50000	200000	3.9	7	8
APOM	1:1000	6.1	6.1	12500	50000	3.3	11	12
TIMD4	1:1000	0.2	0.4	1563	6250	3.6	8	8
CD14	1:1000	12.2	24.4	200000	400000	3.9	10	14
RARRES2	1:1000	6.1	24.4	25000	800000	3.0	8	12
SSC5D	1:1000	48.8	97.7	50000	400000	2.7	9	10
TFF3	1:1000	0.2	0.4	781	3125	3.3	10	10
THBS4	1:1000	6.1	24.4	50000	200000	3.3	7	9
CCL18	1:1000	0.4	0.8	3125	6250	3.6	10	23
ANGPTL3	1:1000	1.5	3.1	12500	100000	3.6	10	9
CCL14	1:1000	0.1	0.4	1563	6250	3.6	7	11
F7	1:1000	0.8	3.1	6250	25000	3.3	6	10
PTGDS	1:1000	3.1	6.1	12500	50000	3.3	7	8
C2	1:1000	48.8	97.7	200000	800000	3.3	7	11
IGFBP6	1:1000	0.8	1.5	12500	25000	3.9	6	8
TGFBI	1:1000	97.7	195.3	100000	400000	2.7	8	12
CH3L1	1:1000	0.4	0.8	3125	6250	3.6	6	10
ITIH3	1:1000	48.8	97.7	50000	100000	2.7	7	10
FETUB	1:1000	12.2	48.8	50000	200000	3.0	7	7
COMP	1:1000	1.5	3.1	12500	50000	3.6	8	9
GGH	1:1000	195.3	390.6	50000	400000	2.1	6	7
CA1	1:1000	0.8	1.5	25000	100000	4.2	6	7
CCL5	1:1000	0.4	1.5	1563	12500	3.0	10	14
REG1A	1:1000	0.05	0.1	3125	6250	4.5	6	7
EFEMP1	1:1000	24.4	48.8	50000	100000	3.0	10	14
ANG	1:1000	0.8	1.5	781	3125	2.7	7	11
DPP4	1:1000	12.2	48.8	12500	100000	2.4	6	8
PROC	1:1000	97.7	195.3	100000	400000	2.7	7	8
ICAM1	1:1000	0.4	0.8	6250	25000	3.9	8	8
CST3	1:1000	12.2	48.8	6250	12500	2.1	6	13
IGFBP3	1:1000	12.2	24.4	12500	25000	2.7	8	9
TIMP1	1:1000	0.8	1.5	3125	12500	3.3	9	10
IDO1	1:1	390.6	1562.5	200000	400000	2.1	10	13
SCRIB	1:1	195.3	390.6	50000	200000	2.1	8	22
MYL4	1:1	3125.0	3125.0	100000	800000	1.5	11	20
PECR	1:1						6	7
EHD3	1:1	6250.0	12500.0	800000	800000	1.8	6	27
ENTR1	1:1	781.3	781.3	400000	800000	2.7	9	15
CEP170	1:1	48.8	48.8	3125	6250	1.8	6	11
HSBP1	1:1	12.2	12.2	3125	25000	2.4	6	29
SKIV2L	1:1						7	25
CSF2	1:1	12.2	24.4	12500	50000	2.7	16	18
RYR1	1:1	390.6	781.3	100000	200000	2.1	13	12
MEGF11	1:1	97.7	97.7	25000	200000	2.4	10	10
HIP1	1:1	1562.5	3125.0	200000	400000	1.8	8	
RTKN2	1:1	3125.0	6250.0	400000	800000	1.8	5	



UGDH	1:1						9	24
CASQ2	1:1	6250.0	6250.0	400000	1600000	1.8	12	21
HCG22	1:1	24.4	48.8	12500	50000	2.4	6	16
NECAP2	1:1	12500.0	12500.0	400000	800000	1.5	15	25
ATP2B4	1:1	390.6	390.6	25000	400000	1.8		
RBM19	1:1	390.6	390.6	100000	400000	2.4	14	18
MYH4	1:1	390.6	390.6	25000	200000	1.8	14	
ATP1B3	1:1	781.3	781.3	100000	400000	2.1		
CYP24A1	1:1	1562.5	3125.0	200000	800000	1.8	15	
GCLM	1:1	1562.5	3125.0	200000	800000	1.8	11	17
TPM3	1:1	1562.5	1562.5	200000	400000	2.1	11	12
KRT17	1:1	390.6	781.3	200000	800000	2.4		
LAMA1	1:1							
BRD3	1:1						12	32
NOP56	1:1	3125.0	3125.0	200000	400000	1.8	13	37
EIF2AK3	1:1	3125.0	6250.0	400000	800000	1.8	17	15
NOS2	1:1	390.6	781.3	400000	800000	2.7	15	17
MED21	1:1	781.3	1562.5	100000	400000	1.8	9	17
ADRA2A	1:1	3125.0	6250.0	200000	400000	1.5	9	15
ACSL1	1:1	3125.0	6250.0	200000	400000	1.5		
ITPA	1:1	781.3	1562.5	50000	400000	1.5	8	21
ATP5F1D	1:1	390.6	390.6	50000	200000	2.1	10	20
FDX1	1:1						9	
SLC12A2	1:1						8	
EXOSC10	1:1	3125.0	6250.0	400000	800000	1.8	12	3
NXPE4	1:1	1562.5	1562.5	200000	400000	2.1	7	14
REXO2	1:1	97.7	195.3	12500	400000	1.8	14	
MAP1LC3B2	1:1	3125.0	3125.0	200000	800000	1.8	8	15
PDE4D	1:1	25000.0	50000.0	3200000	12800000	1.8	10	50
RPS10	1:1							
RAB39B	1:1	3125.0	3125.0	200000	800000	1.8	13	16
TMED10	1:1	390.6	781.3	100000	200000	2.1	7	12
ACY3	1:1						10	9
ERVV-1	1:1	195.3	781.3	100000	200000	2.1	15	33
TRAF3IP2	1:1	195.3	195.3	100000	200000	2.7	10	11
CACNA1H	1:1	390.6	781.3	100000	400000	2.1	12	20
BHMT2	1:1	50000.0	100000.0	6400000	12800000	1.8		
CD2	1:1	781.3	1562.5	200000	400000	2.1	10	14
SHD	1:1	6250.0	6250.0	400000	800000	1.8	12	8
SNU13	1:1						8	12
THRAP3	1:1	3125.0	3125.0	200000	800000	1.8	9	15
TSPAN15	1:1	390.6	781.3	100000	200000	2.1	15	14
UBQLN3	1:1	390.6	390.6	100000	200000	2.4		
DENND2B	1:1	3125.0	3125.0	200000	400000	1.8	11	6
GAMT	1:1						12	
ELOB	1:1	1562.5	1562.5	100000	400000	1.8	10	32
NEB	1:1	781.3	1562.5	200000	400000	2.1	13	8
DDA1	1:1	1171.9	1171.9	300000	600000	2.4	11	11
CPTP	1:1	6250.0	12500.0	400000	800000	1.5	7	17

PMM2	1:1						11	39
ATP1B1	1:1	195.3	195.3	25000	200000	2.1	11	11
SLC51B	1:1	781.3	781.3	100000	400000	2.1	10	22
IGHMBP2	1:1	390.6	781.3	50000	200000	1.8		
RAB33A	1:1	6250.0	12500.0	800000	800000	1.8	12	21
ARL2BP	1:1	1562.5	3125.0	200000	400000	1.8	9	17
TTN	1:1	195.3	390.6	12500	200000	1.5	10	12
TPR	1:1	97.7	97.7	12500	100000	2.1	14	16
ECI2	1:1	6250.0	12500.0	400000	800000	1.5	13	35
MYL1	1:1	6250.0	6250.0	200000	400000	1.5	6	14
ATP1B2	1:1	781.3	1562.5	100000	400000	1.8		
GASK1A	1:1						12	15
ABCA2	1:1	781.3	1562.5	200000	400000	2.1	19	26
ZCCHC8	1:1	48.8	97.7	50000	100000	2.7	18	30
CALY	1:1	3125.0	3125.0	200000	800000	1.8	6	15
NPR1	1:1	3125.0	6250.0	200000	800000	1.5	8	9
MTR	1:1	781.3	781.3	50000	400000	1.8	20	10
CEP112	1:1	195.3	390.6	100000	200000	2.4	8	10
HSD17B3	1:1	3125.0	3125.0	200000	800000	1.8	12	25
EXTL1	1:1	390.6	390.6	100000	200000	2.4	10	14
SAT1	1:1	195.3	195.3	12500	100000	1.8	2	
SART1	1:1	390.6	1562.5	100000	400000	1.8	11	15
USP47	1:1	390.6	781.3	100000	400000	2.1		
SCGB2A2	1:1	1562.5	3125.0	200000	400000	1.8	23	
FDX2	1:1	195.3	195.3	12500	200000	1.8	13	18
IFNW1	1:1	195.3	390.6	200000	400000	2.7	4	1
RIPK4	1:1	1562.5	1562.5	200000	800000	2.1	15	31
NUP50	1:1						11	
DHODH	1:1	12500.0	12500.0	800000	800000	1.8	10	
GBP6	1:1							
EDEM2	1:1	1562.5	3125.0	200000	800000	1.8	13	6
ENPEP	1:1	390.6	781.3	100000	400000	2.1	13	21
NFYA	1:1						11	10
PGLYRP4	1:1	390.6	390.6	50000	100000	2.1	8	25
TRPV3	1:1	24.4	24.4	12500	50000	2.7	14	23
NUDT15	1:1	390.6	390.6	25000	200000	1.8	14	19
GUK1	1:1						13	3
HADH	1:1							
MYOM2	1:1	97.7	195.3	12500	100000	1.8	18	17
PRKD2	1:1	6250.0	12500.0	800000	3200000	1.8	9	10
TEF	1:1	195.3	781.3	200000	800000	2.4	14	11
MANSC4	1:1	390.6	390.6	25000	200000	1.8	10	33
ABRAXAS2	1:1						9	18
IGF2BP3	1:1	12500.0	12500.0	200000	800000	1.2		
PROCR	1:1						8	26
KIF22	1:1						15	37
COPB2	1:1	195.3	195.3	6250	400000	1.5	16	32
PMCH	1:1	3125.0	3125.0	100000	800000	1.5	8	12
UHRF2	1:1	781.3	1562.5	100000	200000	1.8		

ASS1	1:1	781.3	3125.0	200000	400000	1.8	9	18
KRT6C	1:1	390.6	390.6	25000	200000	1.8		
ARNTL	1:1	3125.0	6250.0	400000	800000	1.8		
ATP6V1G2	1:1						22	17
CSRP3	1:1	1562.5	3125.0	50000	200000	1.2	24	22
ARL13B	1:1	195.3	195.3	25000	400000	2.1	13	24
GSTM4	1:1	3125.0	3125.0	200000	800000	1.8	12	12
KIF1C	1:1	97.7	97.7	25000	50000	2.4	9	10
LILRA4	1:1						12	
ANK2	1:1	195.3	390.6	50000	100000	2.1	11	11
NFKB1	1:1						13	19
MMUT	1:1						12	34
NFX1	1:1	1562.5	3125.0	100000	400000	1.5	14	22
HMGCS1	1:1	6250.0	6250.0	200000	400000	1.5	8	6
B3GAT3	1:1							
CBX2	1:1	3125.0	3125.0	400000	800000	2.1	10	
MRPL24	1:1	3125.0	6250.0	400000	800000	1.8	11	16
BRDT	1:1	48.8	97.7	12500	50000	2.1	13	20
NUDT10	1:1	781.3	781.3	50000	200000	1.8		
GNPDA1	1:1	195.3	195.3	12500	100000	1.8	9	12
SEL1L	1:1	390.6	781.3	100000	400000	2.1	7	8
TOR1AIP1	1:1	6250.0	12500.0	800000	3200000	1.8	10	26
PNMA1	1:1	6250.0	12500.0	800000	800000	1.8	9	24
VIPR1	1:1	195.3	390.6	100000	800000	2.4		
ACTN2	1:1	781.3	1562.5	100000	400000	1.8	18	18
LRCH4	1:1						17	17
LPP	1:1						14	15
VSIG10L	1:1	6250.0	6250.0	200000	800000	1.5	10	
NAA10	1:1						20	35
FHIP2A	1:1						8	7
PACS2	1:1	97.7	195.3	25000	200000	2.1	13	25
TSNAX	1:1						11	20
PKD2	1:1	781.3	1562.5	100000	200000	1.8	12	17
CSDE1	1:1						16	20
PALM3	1:1						12	19
YOD1	1:1						14	21
C1GALT1C1	1:1						16	26
EIF5	1:1	781.3	1562.5	100000	400000	1.8	16	27
FRMD4B	1:1						11	19
GP1BB	1:1						15	28
SPINK8	1:1	781.3	1562.5	200000	400000	2.1	10	
PDZD2	1:1	390.6	390.6	200000	400000	2.7	14	20
PYY	1:1						14	18
TMED4	1:1	1562.5	1562.5	100000	400000	1.8	11	
ENOX2	1:1	1562.5	3125.0	800000	3200000	2.4	8	27
LMOD1	1:1	195.3	390.6	200000	800000	2.7	7	24
MYBPC2	1:1	781.3	1562.5	100000	800000	1.8	7	21
IGSF21	1:1	1562.5	1562.5	100000	400000	1.8	7	15
ENO3	1:1							

M6PR	1:1	97.7	97.7	6250	25000	1.8	9	12
HRC	1:1	781.3	1562.5	200000	3200000	2.1	8	16
SIL1	1:1	390.6	781.3	50000	200000	1.8	6	9
PAGR1	1:1	195.3	195.3	50000	400000	2.4	15	17
FSHB	1:1	97.7	195.3	12500	100000	1.8	6	9
SNED1	1:1	1562.5	3125.0	400000	800000	2.1	12	21
APOBR	1:1						7	12
RECK	1:1	1562.5	1562.5	50000	200000	1.5	7	5
DMP1	1:1	3125.0	6250.0	800000	6400000	2.1	8	35
KHK	1:1	195.3	195.3	12500	100000	1.8	6	20
BECN1	1:1	12500.0	25000.0	800000	800000	1.5	10	14
RNF5	1:1						12	21
CCER2	1:1	1562.5	1562.5	100000	400000	1.8	9	12
COQ7	1:1	390.6	781.3	100000	400000	2.1	12	18
HS1BP3	1:1	3125.0	3125.0	100000	800000	1.5	8	25
COMMD1	1:1	24.4	48.8	12500	50000	2.4	8	16
OXCT1	1:1	781.3	3125.0	200000	800000	1.8	10	21
ATP6V1G1	1:1	3125.0	3125.0	200000	800000	1.8	12	35
DMD	1:1	390.6	781.3	200000	800000	2.4	9	17
SNX5	1:1						5	9
EDN1	1:1						6	15
ROBO4	1:1						6	9
AHNAK2	1:1	97.7	195.3	12500	50000	1.8	6	9
HMGCL	1:1	781.3	1562.5	100000	400000	1.8	8	25
ITPR1	1:1	781.3	1562.5	100000	400000	1.8	13	14
AIF1L	1:1	390.6	781.3	200000	800000	2.4	7	19
LONP1	1:1	781.3	781.3	50000	200000	1.8	10	28
AAMDC	1:1						8	13
OPLAH	1:1						7	24
PYDC1	1:1	6.1	12.2	1563	12500	2.1	7	11
DNAJC6	1:1						6	30
RNF149	1:1	97.7	97.7	6250	50000	1.8	9	11
GADD45GIP1	1:1						10	25
RNASE10	1:1	195.3	195.3	12500	100000	1.8	7	13
CBS	1:1	3125.0	3125.0	800000	800000	2.4	9	25
ECHS1	1:1						8	27
FAM172A	1:1	390.6	781.3	100000	400000	2.1	8	20
ANP32C	1:1	97.7	195.3	50000	400000	2.4	1	
CALCOCO2	1:1	195.3	195.3	50000	200000	2.4	8	15
SEC31A	1:1						7	31
NFE2	1:1						8	12
BOLA2	1:1	195.3	195.3	25000	200000	2.1	7	11
LIPF	1:1	195.3	390.6	50000	200000	2.1	7	22
ZP3	1:1	48.8	97.7	25000	50000	2.4		
GRP	1:1						6	22
EIF2S2	1:1						11	25
MAN1A2	1:1	781.3	781.3	100000	800000	2.1	5	8
SIGLEC8	1:1	12.2	12.2	6250	25000	2.7	6	11
AHNAK	1:1	97.7	195.3	50000	200000	2.4	7	14

INPP5D	1:1	3125.0	3125.0	200000	800000	1.8	8	12
RANBP1	1:1						7	14
RBPM52	1:1	48.8	97.7	6250	12500	1.8	6	30
ANXA2	1:1	6250.0	12500.0	800000	800000	1.8	9	14
HSDL2	1:1						8	12
NAGK	1:1	195.3	390.6	12500	100000	1.5	7	22
CRYZL1	1:1	48.8	195.3	25000	50000	2.1	7	28
TMEM132A	1:1							
COL2A1	1:1	97.7	97.7	12500	50000	2.1	6	15
CNP	1:1	781.3	781.3	100000	800000	2.1	6	14
RPL14	1:1	50000.0	100000.0	6400000	12800000	1.8	14	18
ASRGL1	1:1						16	31
POMC	1:1							
B3GNT7	1:1	781.3	781.3	200000	400000	2.4	7	11
BPIFA2	1:1	1562.5	3125.0	100000	400000	1.5	7	32
SCPEP1	1:1	195.3	390.6	100000	400000	2.4	7	9
SCN4B	1:1						9	26
PRRT3	1:1	781.3	1562.5	200000	800000	2.1	6	11
ADAMTSL4	1:1						8	13
MECR	1:1	6250.0	6250.0	400000	800000	1.8		
ENPP6	1:1	12.2	24.4	6250	25000	2.4	8	22
LAMB1	1:1	195.3	390.6	50000	400000	2.1	6	12
DLL4	1:1						17	5
GIP	1:1						13	12
EPPK1	1:1	390.6	781.3	100000	400000	2.1	7	18
FSTL1	1:1						5	9
GATD3	1:1							
MYL3	1:1	390.6	781.3	50000	800000	1.8	7	21
NIT1	1:1	6250.0	6250.0	400000	800000	1.8	6	13
ECHDC3	1:10	24.4	48.8	25000	100000	2.7	4	14
NT5C	1:10	12500.0	12500.0	800000	800000	1.8	5	21
GALNT5	1:10	6250.0	6250.0	400000	800000	1.8	10	10
MYBPC1	1:10	781.3	1562.5	200000	800000	2.1	7	24
PTGR1	1:10	390.6	390.6	50000	200000	2.1	5	17
GRHPR	1:10	1562.5	1562.5	200000	800000	2.1	9	18
GGACT	1:10	48.8	48.8	1563	12500	1.5	12	28
BNIP2	1:10	3125.0	3125.0	100000	800000	1.5	11	13
CD80	1:10						17	18
SPESP1	1:10	1562.5	3125.0	200000	800000	1.8	8	24
MMP15	1:10						5	2
SARG	1:10	97.7	195.3	12500	100000	1.8		
UBE2L6	1:10	1562.5	1562.5	50000	200000	1.5	7	11
FCAMR	1:10	6250.0	6250.0	400000	800000	1.8	6	22
DTYMK	1:10	3125.0	6250.0	400000	800000	1.8	5	21
SCRGI	1:10	3125.0	3125.0	100000	400000	1.5	10	12
VIT	1:10	195.3	390.6	25000	100000	1.8	6	16
EEF1D	1:10	3125.0	3125.0	400000	800000	2.1	4	12
HBZ	1:10						7	31
NIT2	1:10						10	32

HEPH	1:10	97.7	97.7	12500	50000	2.1	5	7
MAN2B2	1:10	390.6	781.3	50000	800000	1.8	4	12
TPK1	1:10	24.4	48.8	12500	100000	2.4	5	8
COCH	1:10	195.3	195.3	25000	200000	2.1	5	9
SYTL4	1:10						13	26
GMFG	1:10	781.3	781.3	50000	200000	1.8	6	23
MAMDC2	1:10	195.3	195.3	50000	200000	2.4	5	10
SRPX	1:10	781.3	781.3	50000	200000	1.8	6	16
IGSF9	1:10	97.7	97.7	25000	100000	2.4	8	19
BPIFB2	1:10	1562.5	3125.0	100000	200000	1.5		
CRYBB1	1:10	12.2	12.2	6250	25000	2.7	3	16
TIMP2	1:10						11	10
CPXM2	1:10	12500.0	12500.0	800000	800000	1.8	8	18
PDAP1	1:10	3125.0	6250.0	200000	800000	1.5		
COX6B1	1:10						10	20
PTPRB	1:10	781.3	3125.0	100000	200000	1.5	6	10
TCOF1	1:10	390.6	781.3	50000	200000	1.8	7	9
GGCT	1:10	195.3	390.6	25000	200000	1.8	9	29
RAB11FIP3	1:10	48.8	97.7	25000	200000	2.4	6	27
TCTN3	1:10	1562.5	1562.5	100000	800000	1.8	6	12
L3HYPDH	1:10	781.3	781.3	50000	200000	1.8	9	30
CHMP6	1:10	781.3	781.3	100000	800000	2.1	8	22
MYDGF	1:10	97.7	195.3	12500	200000	1.8	5	29
PKD1	1:10	24.4	97.7	6250	25000	1.8	6	10
NPL	1:10	781.3	1562.5	100000	400000	1.8	5	18
BCAT1	1:10	1562.5	1562.5	100000	800000	1.8	8	10
ASPN	1:10						8	26
SGSH	1:10	97.7	97.7	12500	50000	2.1	4	6
LECT2	1:10	6250.0	6250.0	800000	800000	2.1	9	35
PTPRZ1	1:10	781.3	781.3	100000	200000	2.1	7	10
CDA	1:10	1562.5	3125.0	100000	800000	1.5	9	13
NGFR	1:10	390.6	390.6	25000	100000	1.8	14	22
LILRA6	1:10	97.7	195.3	25000	200000	2.1	6	21
EHBP1	1:10	195.3	390.6	25000	100000	1.8	8	20
MELTF	1:10	97.7	195.3	50000	200000	2.4	5	8
PGD	1:10	6250.0	6250.0	200000	800000	1.5	8	19
GET3	1:10	1562.5	3125.0	400000	800000	2.1	8	26
ELN	1:10						11	16
RILPL2	1:10	195.3	390.6	50000	200000	2.1	6	35
FAM20A	1:10	390.6	390.6	100000	800000	2.4	5	14
ADGRF5	1:10	1562.5	3125.0	200000	800000	1.8	6	8
LRRC59	1:10						12	29
CMC1	1:10						6	29
SERPINE2	1:10						5	17
TIMM10	1:10	781.3	781.3	50000	200000	1.8	10	10
RAB10	1:10						13	16
ACADSB	1:10	3125.0	3125.0	400000	800000	2.1	12	24
ADAMTSL5	1:10	390.6	390.6	50000	100000	2.1	11	19
FABP3	1:10						8	16

TOMM20	1:10	97.7	195.3	25000	100000	2.1	12	29
UPB1	1:10	781.3	781.3	50000	200000	1.8	14	13
PPM1F	1:10	6250.0	6250.0	800000	800000	2.1	10	26
RAB27B	1:10	195.3	390.6	100000	400000	2.4		
PDIA4	1:100	390.6	390.6	50000	100000	2.1	8	27
BDNF	1:100	48.8	195.3	50000	100000	2.4	9	28
DDT	1:100						10	19
ADAMTSL2	1:100	3125.0	3125.0	400000	800000	2.1	9	12
SLC4A1	1:100							
LCP1	1:100	1562.5	1562.5	400000	800000	2.4	10	19
AMDHD2	1:100	3125.0	25000.0	800000	800000	1.5	8	19
ISM2	1:100	195.3	195.3	25000	200000	2.1	11	22
KLK3	1:100	195.3	195.3	25000	200000	2.1	5	5
CTLA4	1:100	97.7	97.7	25000	100000	2.4	1	
CEACAM6	1:100	3125.0	3125.0	400000	800000	2.1	10	15
LILRA3	1:100						5	13
MUC2	1:100	6.1	12.2	6250	25000	2.7	7	30
FBLN2	1:100	195.3	195.3	25000	100000	2.1	4	9
COL3A1	1:100	97.7	195.3	25000	100000	2.1	6	10
SBSN	1:100						7	19
CSPG4	1:100	97.7	97.7	25000	100000	2.4	5	6
COL15A1	1:100	195.3	195.3	12500	50000	1.8	5	10
FGFBP2	1:100	195.3	195.3	25000	50000	2.1	4	15
CD248	1:100	97.7	195.3	25000	100000	2.1	5	10
CTHRC1	1:100	781.3	1562.5	50000	200000	1.5	8	13
PRAP1	1:100						4	12
NPTX2	1:100	48.8	97.7	25000	100000	2.4	7	14
BGLAP	1:100	781.3	1562.5	100000	400000	1.8	6	16
SHISA5	1:100	390.6	390.6	25000	50000	1.8	6	9
TWF2	1:100	781.3	781.3	200000	800000	2.4		
PPIF	1:100	6250.0	6250.0	200000	800000	1.5	10	28
TNFSF8	1:100	12.2	24.4	12500	50000	2.7	11	11
PRG3	1:100	97.7	195.3	25000	200000	2.1	5	14
MYH9	1:100							
PRG2	1:100	97.7	97.7	25000	50000	2.4	5	15
PTPRC	1:100	48.8	48.8	12500	100000	2.4	7	7
TREH	1:100	48.8	97.7	25000	800000	2.4	5	20
CYTL1	1:100	390.6	390.6	25000	200000	1.8	6	12
CILP	1:100						9	26
CLEC4M	1:100	24.4	48.8	6250	25000	2.1	6	14
CPQ	1:100	195.3	195.3	50000	200000	2.4	4	11
CHGA	1:100	1562.5	3125.0	200000	800000	1.8	9	22
NOTCH2	1:100	48.8	97.7	6250	50000	1.8	5	6
ITGBL1	1:100	97.7	195.3	25000	100000	2.1	6	13
HPSE	1:100						6	33
IGDCC4	1:100	48.8	48.8	6250	50000	2.1	6	8
POSTN	1:100						9	15
CELA2A	1:100	48.8	48.8	25000	100000	2.7	5	9
TNN	1:100	50000.0	100000.0	6400000	12800000	1.8	7	8

GM2A	1:100	781.3	1562.5	50000	200000	1.5	7	17
TALDO1	1:100	97.7	195.3	25000	200000	2.1	4	8
STAB2	1:100	390.6	1562.5	100000	800000	1.8	5	9
SLURP1	1:100	1562.5	1562.5	100000	800000	1.8	7	9
CKB	1:100						9	15
ASAH1	1:100	195.3	390.6	25000	200000	1.8	8	18
LAMP1	1:100	97.7	390.6	50000	100000	2.1	7	6
PSAP	1:100	1562.5	1562.5	50000	200000	1.5	6	7
GOT1	1:100	390.6	390.6	25000	50000	1.8	8	12
NPC2	1:100	390.6	390.6	12500	50000	1.5	5	8
NCF2	1:1	0.8	3.1	12500	25000	3.6	8	6
IL15	1:1	1.5	3.1	50000	400000	4.2	9	4
BCR	1:1	781.3	1562.5	200000	800000	2.1	7	4
MAP2K6	1:1	24.4	48.8	25000	200000	2.7	9	10
DAPP1	1:1	3.1	12.2	25000	200000	3.3	10	9
IL4R	1:1	3.1	6.1	25000	100000	3.6	10	12
PIK3AP1	1:1	781.3	1562.5	400000	800000	2.4	14	13
CD4	1:1	97.7	97.7	400000	800000	3.6	8	9
KLRD1	1:1	1.5	3.1	6250	25000	3.3	3	4
BSG	1:1	0.2	0.4	12500	50000	4.5	3	3
SERPIN8	1:1	12.2	12.2	12500	50000	3.0	6	6
VEGFD	1:1	12.2	24.4	25000	100000	3.0	4	4
AGRP	1:1	48.8	97.7	50000	400000	2.7	6	14
CCL3	1:1	0.2	0.4	781	1563	3.3	9	5
TBC1D5	1:1						7	7
EGLN1	1:1	6.1	12.2	12500	25000	3.0	9	5
NUDC	1:1	24.4	97.7	100000	800000	3.0	4	5
SELPLG	1:1	3.1	6.1	6250	25000	3.0	9	5
KLRB1	1:1	0.8	1.5	3125	12500	3.3	3	2
CEACAM21	1:1	0.4	0.8	1563	12500	3.3	8	6
IL17RB	1:1	24.4	24.4	25000	400000	3.0	8	8
IL5RA	1:1	6.1	12.2	25000	400000	3.3	9	8
C1QA	1:1	29.2	58.3	119500	239000	3.3	4	5
LY9	1:1	3.1	6.1	12500	50000	3.3	3	4
HEXIM1	1:1	1.5	3.1	781	1563	2.4	10	7
PCDH1	1:1	195.3	390.6	200000	800000	2.7	4	4
LY75	1:1	24.4	48.8	50000	400000	3.0	10	7
TLR3	1:1	1.5	3.1	12500	100000	3.6	4	3
IDS	1:1	97.7	195.3	400000	800000	3.3	3	4
CTSO	1:1	48.8	97.7	50000	400000	2.7	4	4
HGF	1:1	3.1	12.2	100000	200000	3.9	4	3
MERTK	1:1	97.7	195.3	100000	800000	2.7	5	6
CCL11	1:1	1.5	3.1	25000	200000	3.9	3	4
IL12RB1	1:1	97.7	195.3	100000	800000	2.7	8	17
PARP1	1:1	48.8	97.7	50000	200000	2.7	7	14
RABGAP1L	1:1	48.8	48.8	25000	200000	2.7	10	19
MYO9B	1:1						10	19
IL33	1:1	6.1	24.4	6250	25000	2.4	8	58
IL2RB	1:1	97.7	390.6	200000	800000	2.7	10	37



LILRB4	1:1	97.7	195.3	100000	800000	2.7	8	15
IL1B	1:1	0.4	1.5	25000	100000	4.2	10	20
IL2	1:1	0.4	0.8	6250	25000	3.9	7	20
SCGN	1:1	97.7	390.6	200000	800000	2.7	9	11
CXCL14	1:1						8	15
IL22RA1	1:1	0.4	1.5	3125	12500	3.3	8	22
IL10	1:1	6.1	24.4	200000	800000	3.9	10	18
CEP164	1:1	12.2	48.8	12500	25000	2.4	7	18
LAP3	1:1						12	20
NBN	1:1						11	9
RGS8	1:1						18	14
MVK	1:1	390.6	781.3	400000	800000	2.7	11	12
WNT9A	1:1	3.1	6.1	25000	100000	3.6	9	11
PRKAB1	1:1	48.8	97.7	25000	100000	2.4	7	21
IL11	1:1	6.1	12.2	6250	100000	2.7	9	9
JUN	1:1	390.6	781.3	100000	3200000	2.1	11	14
ACTN4	1:1	390.6	781.3	100000	400000	2.1	7	14
IL17F	1:1	1.5	6.1	6250	25000	3.0	8	18
IL4	1:1	0.8	1.5	6250	25000	3.6	7	33
IL13	1:1	1.5	6.1	100000	800000	4.2	9	22
RAB37	1:1	12.2	24.4	12500	100000	2.7	9	19
IL20	1:1	24.4	97.7	25000	800000	2.4	7	16
FCRL3	1:1	48.8	97.7	50000	800000	2.7	8	18
AMBN	1:1	12.2	24.4	25000	400000	3.0	9	15
IL24	1:1	24.4	48.8	12500	25000	2.4	14	16
PREB	1:1	390.6	781.3	200000	800000	2.4	9	12
LTO1	1:1	12.2	24.4	50000	100000	3.3	8	17
PADI2	1:1	48.8	97.7	400000	800000	3.6	8	15
SIT1	1:1	0.04	4.5	18500	37000	3.6	8	16
IFNLR1	1:1	0.8	1.5	25000	100000	4.2	11	5
ALDH3A1	1:1	0.8	3.1	3125	25000	3.0	10	10
BACH1	1:1	12.2	24.4	25000	200000	3.0	8	7
AOC1	1:1	97.7	195.3	100000	800000	2.7	10	21
IL17A	1:1	6.1	12.2	50000	100000	3.6	7	7
YTHDF3	1:1	12.2	24.4	12500	100000	2.7	9	32
SPINK4	1:1						10	6
IL3RA	1:1						7	28
IL17D	1:1	3.1	6.1	6250	25000	3.0	8	14
IL17C	1:1	12.2	24.4	50000	100000	3.3	10	14
MILR1	1:1						7	21
PNPT1	1:1						9	11
ARTN	1:1	0.8	1.5	6250	25000	3.6	9	9
NRTN	1:1	0.8	1.5	3125	25000	3.3	15	31
CXCL12	1:1						8	17
PRKCQ	1:1						13	18
TRAF2	1:1						9	4
WAS	1:1						8	31
TNFAIP8	1:1						11	16
PAPPA	1:1	195.3	390.6	50000	200000	2.1	12	15

DGKZ	1:1	3.1	6.1	3125	25000	2.7	8	13
EIF5A	1:1						11	10
ITM2A	1:1						7	9
PSPN	1:1	3.1	6.1	12500	100000	3.3	11	5
TPT1	1:1	1562.5	6250.0	400000	800000	1.8	16	19
FGF2	1:1	12.2	12.2	12500	400000	3.0	4	6
NUB1	1:1	3.1	6.1	12500	25000	3.3	8	12
LRRN1	1:1	12.2	24.4	25000	400000	3.0	6	17
TNF	1:1	1.5	3.1	6250	100000	3.3	9	15
IL10RA	1:1	1.5	6.1	400000	800000	4.8	7	17
TNFRSF13C	1:1	12.2	24.4	6250	100000	2.4	9	13
ARNT	1:1						8	14
NCLN	1:1						6	17
IL20RA	1:1	0.8	1.5	12500	400000	3.9	8	13
SULT2A1	1:1	195.3	390.6	200000	400000	2.7	10	8
METAP1D	1:1	0.4	0.8	12500	25000	4.2	8	9
FABP9	1:1	3.1	12.2	12500	25000	3.0	10	7
SH2D1A	1:1	6.1	12.2	6250	25000	2.7	8	5
NFATC3	1:1	6.1	24.4	3125	12500	2.1	8	9
SRPK2	1:1	3.1	6.1	1563	12500	2.4	5	11
HLA-DRA	1:1	390.6	781.3	400000	800000	2.7	10	9
BTN3A2	1:1	48.8	97.7	200000	800000	3.3	10	7
BCL2L11	1:1						9	8
IL1A	1:1	1.5	3.1	3148	12594	3.0	8	47
IFNG	1:1	1.5	6.1	12500	50000	3.3	15	22
ICA1	1:1	48.8	195.3	100000	400000	2.7	8	16
VASH1	1:1	195.3	390.6	100000	400000	2.4	6	9
IL5	1:1	6.1	12.2	100000	400000	3.9	10	21
SPRY2	1:1	24.4	97.7	50000	400000	2.7	9	15
IL15RA	1:1	6.1	12.2	3125	25000	2.4	7	23
FGF5	1:1	3.1	6.1	50000	100000	3.9	11	19
TANK	1:1	48.8	195.3	100000	400000	2.7	8	15
NFATC1	1:1	390.6	781.3	400000	800000	2.7	10	9
CSF3	1:1	97.7	390.6	400000	800000	3.0	9	14
AMN	1:1						8	19
SLAMF1	1:1	781.3	1562.5	400000	800000	2.4	14	17
IRAK1	1:1	781.3	3125.0	400000	800000	2.1	11	14
FOXO1	1:1						8	8
GALNT3	1:1	781.3	1562.5	400000	800000	2.4	11	14
PRDX3	1:1						8	12
GBP2	1:1	390.6	781.3	400000	800000	2.7	12	20
JCHAIN	1:1						13	19
BID	1:1	781.3	3125.0	400000	3200000	2.1	11	11
SCRN1	1:1	48.8	97.7	50000	400000	2.7	9	12
SLC39A5	1:1						10	9
ENAH	1:1	48.8	48.8	6250	25000	2.1	10	20
IKBKKG	1:1	3.1	12.2	12500	25000	3.0	13	14
ITGB6	1:1	1.5	3.1	6250	25000	3.3	8	14
PROK1	1:1	3.1	12.2	12500	25000	3.0	9	5

IL1RL2	1:1	0.8	1.5	6250	100000	3.6	8	16
IL6	1:1	0.2	0.4	3125	25000	3.9	10	14
MLN	1:1	390.6	781.3	200000	400000	2.4	12	10
FXYS5	1:1	6.1	12.2	3125	100000	2.4	8	13
SIGLEC10	1:1	12.2	48.8	200000	800000	3.6	8	4
PSIP1	1:1						9	8
TRIM21	1:1	24.4	97.7	400000	800000	3.6	12	9
ISM1	1:1	97.7	195.3	200000	400000	3.0	10	10
IL7	1:1	1.5	3.1	6250	12500	3.3	12	9
HLA-E	1:1	12500.0	25000.0	1600000	3200000	1.8	6	4
STX8	1:1	12.2	48.8	12500	25000	2.4	4	13
LSP1	1:1	97.7	97.7	25000	400000	2.4	10	8
CLEC4C	1:1	24.4	48.8	25000	400000	2.7	8	4
OSM	1:1	0.2	0.4	781	3125	3.3	12	6
SAMD9L	1:1	195.3	390.6	200000	800000	2.7	7	8
CD200R1	1:1	6.1	12.2	25000	100000	3.3	7	7
CNTNAP2	1:1	12.2	24.4	12500	400000	2.7	10	10
ANXA11	1:1	1562.5	3125.0	800000	800000	2.4	7	9
FCRL6	1:1	97.7	195.3	200000	800000	3.0	10	5
NPPC	1:1	12.2	24.4	12500	25000	2.7	11	8
BANK1	1:1	195.3	390.6	200000	400000	2.7	9	16
CD83	1:1	1.5	3.1	12500	25000	3.6	9	6
MAPK9	1:1						12	13
CCL28	1:1	97.7	195.3	100000	400000	2.7	11	12
ARHGEF12	1:1	781.3	3125.0	400000	800000	2.1	8	9
GOPC	1:1	12.2	24.4	12500	25000	2.7	7	16
PTPRM	1:1	97.7	195.3	200000	800000	3.0	11	11
CD40LG	1:1	0.8	1.5	6250	12500	3.6	4	4
MGMT	1:1	195.3	390.6	100000	400000	2.4	12	13
PSMG3	1:1	390.6	781.3	200000	400000	2.4	9	10
DPP10	1:1	6.1	12.2	25000	200000	3.3	9	9
HSD11B1	1:1						9	7
EDAR	1:1	0.4	0.8	781	12500	3.0	9	5
COL9A1	1:1	6.1	12.2	12500	25000	3.0	11	6
PLXNA4	1:1	24.4	97.7	50000	400000	2.7	12	6
EPO	1:1	3.9	7.8	1000	4000	2.1	11	11
ITGA6	1:1						9	7
CCL7	1:1	0.4	0.8	781	25000	3.0	10	8
NCR1	1:1	3.1	6.1	12500	25000	3.3	9	6
LTA	1:1	0.8	1.5	3125	12500	3.3	8	4
CASP2	1:1	195.3	390.6	200000	800000	2.7	7	5
FCAR	1:1	0.8	3.1	12500	25000	3.6	9	9
IRAK4	1:1	390.6	1562.5	400000	800000	2.4	9	14
CLEC4G	1:1	3.1	6.1	50000	200000	3.9	10	6
HPCAL1	1:1	48.8	97.7	50000	200000	2.7	4	5
CCL26	1:1	97.7	781.3	400000	800000	2.7	15	17
ITGA11	1:1	97.7	390.6	200000	800000	2.7	10	15
NT5C3A	1:1	97.7	195.3	200000	800000	3.0	9	7
KRT19	1:1	48.8	97.7	100000	400000	3.0	8	9

RAB6A	1:1	48.8	97.7	200000	800000	3.3	8	8
CD84	1:1	24.4	48.8	12500	200000	2.4	9	7
CXADR	1:1	3.1	3.1	1563	12500	2.7	12	7
CD70	1:1	12.2	48.8	100000	200000	3.3	10	6
MICA_MICB	1:1	6.1	12.2	12500	25000	3.0	10	8
TNFSF11	1:1	12.2	24.4	50000	200000	3.3	11	7
CLIP2	1:1	195.3	195.3	50000	800000	2.4	13	20
TRIM5	1:1						10	17
PTX3	1:1						9	7
CKAP4	1:1						3	6
CXCL6	1:1						6	13
NTF3	1:1	0.4	0.8	3125	12500	3.6	15	7
ICAM4	1:1	781.3	1562.5	400000	800000	2.4	9	5
DECRI	1:1						11	11
TNFSF10	1:1	24.4	97.7	25000	50000	2.4	4	4
CLEC4D	1:1	3.1	6.1	12500	25000	3.3	10	8
NFASC	1:1						3	2
FLT3LG	1:1	0.4	0.8	1563	12500	3.3	6	4
IL16	1:1	1.5	3.1	3125	12500	3.0	3	6
CDSN	1:1	390.6	781.3	400000	800000	2.7	4	4
AXIN1	1:1	781.3	1562.5	400000	800000	2.4	6	9
SLAMF7	1:1	195.3	390.6	200000	800000	2.7	10	6
CLEC4A	1:1	0.8	3.1	6250	25000	3.3	9	7
LAT	1:1	48.8	97.7	25000	100000	2.4	7	8
CXCL8	1:1	0.1	0.2	1563	6250	3.9	3	4
PPP1R9B	1:1	12.2	24.4	25000	800000	3.0	7	12
CD200	1:1	6.1	12.2	3125	25000	2.4	10	6
HCLS1	1:1	195.3	195.3	25000	400000	2.1	8	8
CD244	1:1	1.5	3.1	6250	25000	3.3	4	5
KYNU	1:1	48.8	48.8	400000	800000	3.9	3	11
DFFA	1:1	0.8	3.1	6250	50000	3.3	5	6
IL18R1	1:1	0.2	0.8	6250	25000	3.9	3	3
ADAM23	1:1	12.2	24.4	50000	200000	3.3	5	3
LAMP3	1:1	12.2	24.4	25000	200000	3.0	5	4
IL32	1:1	0.8	3.1	12500	25000	3.6	9	7
GMPR	1:1						4	4
CD6	1:1	1.5	1.5	6250	25000	3.6	4	4
CD22	1:1	3.1	6.1	50000	200000	3.9	3	3
CXCL17	1:1	3.1	6.1	12500	50000	3.3	4	4
FKBP1B	1:1	390.6	781.3	200000	400000	2.4	5	26
GZMA	1:1	390.6	390.6	800000	800000	3.3	5	5
CD160	1:1	1.5	3.1	12500	25000	3.6	3	7
TNFRSF4	1:1	0.8	1.5	6250	12500	3.6	5	4
TGFB1	1:1						4	4
TPSAB1	1:1	6.1	12.2	100000	200000	3.9	4	3
EIF4G1	1:1	12.2	24.4	25000	200000	3.0	6	10
FASLG	1:1	0.2	0.2	6250	12500	4.5	4	4
CD79B	1:1	0.8	1.5	6250	25000	3.6	4	4
PTH1R	1:1	3.1	3.1	6250	25000	3.3	7	8

TNFRSF11A	1:1	0.8	1.5	6250	12500	3.6	4	4
FCRL2	1:1	24.4	48.8	50000	200000	3.0	5	3
CLEC7A	1:1	3.1	6.1	3125	12500	2.7	3	5
CLSTN2	1:1	6.1	6.1	25000	200000	3.6	5	3
IL12B	1:1	0.4	0.8	3125	12500	3.6	5	4
LIFR	1:1	6.1	48.8	12500	400000	2.4	12	7
CCL13	1:1	0.8	6.1	3125	6250	2.7	5	5
ADA	1:1	781.3	1562.5	3200000	12800000	3.3	4	3
PRDX5	1:1	1562.5	3125.0	800000	800000	2.4	4	25
DNAJA2	1:1	97.7	390.6	400000	800000	3.0	6	16
VEGFA	1:1	0.8	1.5	6250	12500	3.6	7	7
TNFSF12	1:1	12.2	24.4	100000	400000	3.6	5	4
CCL25	1:1	3.1	24.4	25000	100000	3.0	5	6
GZMB	1:1						12	7
TGFA	1:1	0.2	0.4	1563	25000	3.6	12	7
CCL20	1:1	3.1	6.1	6250	25000	3.0	4	5
MMP1	1:1	0.8	1.5	3125	12500	3.3	4	5
PGF	1:1	0.4	0.8	6250	12500	3.9	4	3
ANGPTL4	1:10	12.2	24.4	25000	50000	3.0	7	4
FGF19	1:10	3.1	6.1	12500	50000	3.3	6	4
TNFRSF13B	1:10	6.1	24.4	50000	200000	3.3	8	4
CRKL	1:10	6.1	12.2	25000	100000	3.3	6	8
PLAUR	1:10	0.2	0.4	1563	6250	3.6	6	4
DNPH1	1:10	6.1	12.2	6250	12500	2.7	7	8
SPON1	1:10	48.8	97.7	100000	200000	3.0	5	4
ESM1	1:10	3.1	6.1	6250	25000	3.0	8	5
PRSS8	1:10	0.4	0.8	6250	12500	3.9	8	3
AGRN	1:10	6.1	12.2	6250	12500	2.7	7	5
PTPN6	1:10	781.3	1562.5	100000	200000	1.8	6	7
CXCL9	1:10	0.05	0.1	6250	12500	4.8	7	5
ATP5IF1	1:10	195.3	390.6	50000	200000	2.1	8	7
LHPP	1:10	0.8	1.5	12500	25000	3.9	8	5
CXCL3	1:10	12.2	48.8	50000	200000	3.0	10	9
ENPP7	1:10	0.8	1.5	12500	200000	3.9	6	4
CXCL1	1:10	0.4	0.8	6250	12500	3.9	8	8
SMOC2	1:10	24.4	48.8	50000	200000	3.0	7	3
CCL17	1:10	0.4	0.8	781	3125	3.0	7	14
LGMN	1:10	0.8	3.1	6250	50000	3.3	9	5
LGALS9	1:10	48.8	97.7	50000	200000	2.7	7	4
TFF2	1:10	0.8	1.5	3125	12500	3.3	8	6
CTSC	1:10	24.4	48.8	50000	200000	3.0	8	12
CD276	1:10	97.7	195.3	400000	800000	3.3	7	4
CCL23	1:10	6.1	12.2	6250	25000	2.7	6	8
F2R	1:10	48.8	195.3	200000	400000	3.0	8	5
TREM2	1:10						6	10
SHMT1	1:10	12.2	24.4	100000	400000	3.6	8	5
ANGPT1	1:10	12.2	24.4	100000	200000	3.6	6	3
CCL22	1:10	6.1	6.1	3125	12500	2.7	14	20
TNFSF13	1:10	3.1	6.1	25000	100000	3.6	5	5

PLA2G4A	1:10	781.3	1562.5	400000	800000	2.4	6	7
PON3	1:10	390.6	390.6	200000	800000	2.7	5	9
DAG1	1:10	3.1	6.1	6250	12500	3.0	7	4
SIGLEC1	1:10	12.2	24.4	100000	200000	3.6	7	4
DNER	1:10	1.5	3.1	25000	100000	3.9	5	4
MGLL	1:10	1562.5	12500.0	3200000	12800000	2.4	9	9
CCL21	1:10	24.4	48.8	200000	800000	3.6	8	4
CD58	1:10	0.4	0.8	3125	12500	3.6	6	4
CD48	1:10	6.1	12.2	100000	200000	3.9	6	4
COLEC12	1:10	1.5	3.1	6250	25000	3.3	7	6
LAIR1	1:10	0.1	0.2	391	3125	3.3	7	4
CSF1	1:10	0.05	0.2	3125	6250	4.2	4	3
PRELP	1:10	6.1	12.2	12500	200000	3.0	6	4
EPCAM	1:10	0.4	0.4	6250	25000	4.2	7	7
EGF	1:10	0.1	0.2	781	1563	3.6	13	9
CXCL10	1:10	0.2	6.1	6250	25000	3.0	7	9
SMPDL3A	1:10	6.1	12.2	100000	200000	3.9	6	4
BTN2A1	1:10	3.1	6.1	6250	25000	3.0	7	4
SPINT2	1:10	6.1	12.2	25000	50000	3.3	8	6
ROBO1	1:10	3.1	6.1	100000	200000	4.2	6	4
MZB1	1:10	0.4	0.8	6250	50000	3.9	7	2
TIMP3	1:10	390.6	781.3	200000	400000	2.4	13	13
NCK2	1:10						5	10
CST7	1:10	0.4	0.8	6250	12500	3.9	7	5
MATN2	1:10	24.4	48.8	25000	50000	2.7	8	3
CRLF1	1:10	390.6	781.3	100000	800000	2.1	6	7
DBNL	1:10	24.4	97.7	50000	200000	2.7	10	10
AGER	1:10	0.8	3.1	6250	25000	3.3	7	5
IL10RB	1:10	1.5	6.1	3125	12500	2.7	8	3
GLOD4	1:10	0.8	3.1	6250	25000	3.3	7	4
EPHA1	1:10	3.1	6.1	50000	200000	3.9	7	3
IL1R2	1:10	0.8	1.5	6250	12500	3.6	8	3
ENPP5	1:10	6.1	6.1	3125	12500	2.7	4	3
CRIM1	1:10	1.5	3.1	6250	50000	3.3	8	4
IFNGR1	1:10	1.5	3.1	3125	12500	3.0	7	4
ERBB3	1:10	6.1	12.2	12500	50000	3.0	7	5
MMP10	1:10	0.2	0.4	6250	12500	4.2	7	7
PDLIM7	1:10	24.4	48.8	25000	50000	2.7	7	11
SCGB1A1	1:10	390.6	781.3	400000	800000	2.7	6	4
IL1RN	1:10	0.2	0.4	1563	12500	3.6	6	3
LY6D	1:10	6.1	12.2	12500	200000	3.0	9	5
IL18	1:10	0.1	0.2	6250	12500	4.5	5	4
CCL4	1:10	0.2	0.4	1563	200000	3.6	7	5
NELL2	1:10	12.2	24.4	50000	100000	3.3	6	2
LTBR	1:10	0.4	0.8	6250	12500	3.9	7	5
PKLR	1:10	3.1	6.1	50000	200000	3.9	6	7
MANF	1:10	3.1	6.1	12500	25000	3.3	7	14
SIRPB1	1:10	1.5	1.5	6250	25000	3.6	4	4
CCN2	1:10	24.4	48.8	25000	200000	2.7	4	5

HSPA1A	1:10	48.8	97.7	50000	200000	2.7	6	4
TNFRSF11B	1:10	0.1	0.2	6250	25000	4.5	7	3
SCG3	1:10	12.2	24.4	25000	200000	3.0	7	4
TPP1	1:10	1.5	3.1	12500	100000	3.6	6	3
MEGF10	1:10	87.9	175.8	90000	360000	2.7	5	5
CDON	1:10	12.2	24.4	50000	200000	3.3	6	4
MPIG6B	1:10	0.8	1.5	1563	3125	3.0	12	14
LGALS4	1:10	1.5	6.1	6250	25000	3.0	5	4
SKAP2	1:10	24.4	48.8	50000	200000	3.0	9	11
PDGFB	1:10	6.1	6.1	6250	12500	3.0	10	11
SCGB3A2	1:10	3.1	12.2	50000	200000	3.6	8	11
FSTL3	1:10	12.2	12.2	6250	25000	2.7	6	5
ANGPTL2	1:10	781.3	1562.5	6400000	12800000	3.6	9	8
REG4	1:10	48.8	97.7	200000	400000	3.3	7	9
CRHBP	1:10	24.4	97.7	100000	800000	3.0	7	5
OMD	1:10	195.3	390.6	50000	200000	2.1	7	3
NME3	1:10	6.1	12.2	6250	25000	2.7	8	5
FIS1	1:10	195.3	781.3	800000	800000	3.0	9	12
FST	1:10	12.2	24.4	25000	50000	3.0	5	6
B4GALT1	1:10	24.4	48.8	100000	200000	3.3	10	6
CKMT1A_CKMT1E	1:10	48.8	97.7	400000	800000	3.6	7	15
ADGRE2	1:10	0.8	1.5	6250	25000	3.6	7	5
MEPE	1:10	24.4	48.8	12500	25000	2.4	8	3
CRELD2	1:10	3.1	6.1	12500	200000	3.3	8	3
CTRC	1:10	3.1	6.1	12500	50000	3.3	7	9
FABP1	1:10	3.1	6.1	100000	200000	4.2	8	5
LAMA4	1:10	12.2	24.4	100000	200000	3.6	7	5
TNFRSF14	1:10	0.8	1.5	6250	25000	3.6	8	4
GAL	1:10	24.4	48.8	100000	200000	3.3	8	7
WFIKKN2	1:10	3.1	6.1	6250	25000	3.0	5	4
OSCAR	1:10	3.1	6.1	6250	200000	3.0	7	5
CCL24	1:10	0.8	0.8	3125	6250	3.6	8	10
CD40	1:10	0.1	0.2	3125	12500	4.2	9	8
PNLIPRP2	1:10	3.1	6.1	25000	200000	3.6	6	4
CHRD1	1:10	390.6	390.6	100000	200000	2.4	8	6
DAND5	1:1						10	
FOLH1	1:1	6250.0	6250.0	400000	800000	1.8	12	14
RAP1A	1:1						11	16
GLI2	1:1	195.3	195.3	12500	25000	1.8		
FGF12	1:1	24.4	48.8	3125	25000	1.8		
TLR4	1:1							
MKI67	1:1	48.8	97.7	12500	100000	2.1	13	24
CCNE1	1:1	390.6	781.3	50000	400000	1.8		
UBE2Z	1:1	390.6	781.3	100000	800000	2.1	13	21
PRR5	1:1	3125.0	6250.0	400000	800000	1.8	13	0.3
CEBPA	1:1							
KDM3A	1:1	1562.5	3125.0	200000	800000	1.8		
FGF20	1:1	3125.0	6250.0	800000	800000	2.1	6	18
PGR	1:1	781.3	781.3	200000	800000	2.4	10	9

IL20RB	1:1	390.6	781.3	200000	800000	2.4		
NPHS2	1:1	390.6	781.3	50000	800000	1.8	6	20
NME1	1:1	3125.0	3125.0	200000	400000	1.8		
LRIG3	1:1							
GAD2	1:1	1562.5	6250.0	400000	800000	1.8		
CD3G	1:1	390.6	781.3	50000	400000	1.8	10	13
POLR2A	1:1						6	
EP300	1:1	390.6	390.6	12500	25000	1.5	3	
IL21R	1:1	781.3	781.3	50000	400000	1.8		
PTPN9	1:1	1562.5	6250.0	400000	800000	1.8		
ST8SIA1	1:1	390.6	1562.5	200000	800000	2.1	14	20
HDAC8	1:1							
FGF6	1:1	1562.5	3125.0	400000	800000	2.1	13	16
RELB	1:1						12	7
TNFSF9	1:1						12	17
ESR1	1:1						8	29
FOXJ3	1:1	195.3	390.6	25000	800000	1.8	12	12
YY1	1:1							
RICTOR	1:1						4	17
STX5	1:1						7	10
UNC5D	1:1	48.8	97.7	12500	100000	2.1	15	14
DDX4	1:1	195.3	195.3	12500	100000	1.8		
PALLD	1:1	781.3	1562.5	100000	400000	1.8	10	27
HIF1A	1:1	12.2	24.4	1563	12500	1.8	8	20
RPA2	1:1							
IL12RB2	1:1	3125.0	3125.0	400000	800000	2.1	2	28
PTP4A3	1:1						8	10
EDNRB	1:1	48.8	97.7	6250	25000	1.8	8	20
SSBP1	1:1						12	16
WASL	1:1							
KLRF1	1:1	6.1	12.2	3125	25000	2.4	9	13
BABAM1	1:1						4	
SPRED2	1:1						14	21
PIKFYVE	1:1						8	12
TPSG1	1:1	390.6	390.6	25000	800000	1.8	19	
SIRT1	1:1	195.3	390.6	25000	200000	1.8	9	19
TP53BP1	1:1	390.6	1562.5	400000	800000	2.4	11	18
SMPD3	1:1	3125.0	6250.0	400000	800000	1.8	10	
POF1B	1:1	390.6	390.6	100000	200000	2.4	17	24
TRAF3	1:1						10	13
IL31	1:1	781.3	1562.5	200000	800000	2.1	8	9
NEDD9	1:1	195.3	195.3	12500	50000	1.8	11	
AKR7L	1:1						15	23
BAG4	1:1						13	14
TGFBR1	1:1	390.6	390.6	50000	200000	2.1	1	
MCEMP1	1:1	24.4	48.8	6250	25000	2.1	21	28
IGFL4	1:1	24.4	48.8	12500	50000	2.4	13	25
MRPS16	1:1	3125.0	6250.0	400000	800000	1.8		
RNF168	1:1							



HS6ST2	1:1						9	24
CEMP2	1:1	48.8	195.3	25000	200000	2.1	12	14
BCL2L15	1:1	48.8	97.7	12500	50000	2.1	13	15
ALPI	1:1	390.6	781.3	25000	100000	1.5	10	36
REPS1	1:1						14	16
TSC1	1:1	3125.0	6250.0	400000	800000	1.8	14	21
XIAP	1:1	3125.0	3125.0	400000	800000	2.1	8	15
CPOX	1:1	6250.0	6250.0	800000	800000	2.1	9	17
DDX39A	1:1	97.7	390.6	25000	200000	1.8	5	16
DENR	1:1	390.6	781.3	25000	100000	1.5	11	21
CSNK1D	1:1						12	36
THSD1	1:1	1562.5	3125.0	200000	800000	1.8	7	35
IL31RA	1:1	1562.5	3125.0	200000	800000	1.8	11	16
RBPMS	1:1						10	16
DAPK2	1:1	1562.5	1562.5	100000	800000	1.8	18	22
SUMF1	1:1	3125.0	6250.0	400000	800000	1.8	8	17
CA8	1:1	3125.0	6250.0	800000	6400000	2.1		
EVI5	1:1	195.3	390.6	100000	200000	2.4	9	15
ANKMY2	1:1	781.3	1562.5	100000	400000	1.8	11	23
TERF1	1:1	781.3	1562.5	50000	400000	1.5	12	
PRSS22	1:1						12	12
ADAMTS4	1:1	781.3	781.3	100000	800000	2.1	13	25
TYRP1	1:1	6250.0	12500.0	800000	800000	1.8	10	16
SHH	1:1							
C1QL2	1:1	1562.5	1562.5	100000	400000	1.8	10	16
RNF31	1:1						11	15
PLCB1	1:1	6250.0	6250.0	400000	800000	1.8		
PSMG4	1:1						12	12
ADAM12	1:1	390.6	781.3	50000	800000	1.8	14	14
IL36A	1:1	195.3	195.3	25000	200000	2.1	21	
ZNF174	1:1	390.6	390.6	25000	200000	1.8	9	18
NAGA	1:1	3125.0	6250.0	400000	800000	1.8	13	17
TSPYL1	1:1	390.6	1562.5	100000	800000	1.8	9	17
PER3	1:1						16	37
CD36	1:1	781.3	781.3	50000	400000	1.8	9	14
ACRV1	1:1	12.2	48.8	6250	50000	2.1	9	24
SLITRK1	1:1	195.3	195.3	25000	200000	2.1	11	19
LMOD1	1:1						17	23
IDO1	1:1	195.3	390.6	100000	400000	2.4	13	17
SCRIB	1:1						16	26
NDUFA5	1:1	781.3	1562.5	200000	800000	2.1	16	17
NECTIN1	1:1						9	13
FGF3	1:1	1562.5	1562.5	100000	800000	1.8		
GIPR	1:1	24.4	48.8	12500	50000	2.4		
BLNK	1:1	12500.0	12500.0	800000	800000	1.8	16	18
NPHS1	1:1	781.3	1562.5	100000	400000	1.8	12	17
ERMAP	1:1	12.2	24.4	1563	6250	1.8	13	15
MTDH	1:1	781.3	781.3	50000	100000	1.8		
ITGAL	1:1						13	30

STAT2	1:1	781.3	1562.5	100000	800000	1.8	11	24
FGF16	1:1	6250.0	6250.0	400000	800000	1.8	17	14
DEFB103A	1:1						6	26
GIT1	1:1						15	17
TLR1	1:1	12.2	24.4	12500	100000	2.7	14	17
SEMA6C	1:1	781.3	1562.5	200000	800000	2.1	10	14
CASP9	1:1							
S100A13	1:1	3.1	12.2	12500	400000	3.0	10	31
ADAMTS1	1:1	390.6	781.3	50000	100000	1.8	14	13
DGKA	1:1	6250.0	12500.0	800000	800000	1.8	8	18
CSF3R	1:1	97.7	195.3	12500	100000	1.8	10	11
PPM1B	1:1	1562.5	3125.0	200000	800000	1.8	9	17
PDZK1	1:1	3125.0	6250.0	400000	800000	1.8	15	18
NUMB	1:1	390.6	1562.5	100000	800000	1.8	8	30
RALB	1:1						21	
INSR	1:1	1562.5	1562.5	50000	400000	1.5	6	6
NXPH3	1:1	390.6	390.6	25000	200000	1.8	9	12
PPL	1:1	48.8	97.7	6250	50000	1.8	9	14
PTGES2	1:1						17	27
STX7	1:1						10	19
TOP2B	1:1	781.3	1562.5	50000	400000	1.5	11	29
EIF4E	1:1	195.3	195.3	25000	100000	2.1	11	37
CD226	1:1						15	21
VAMP8	1:1	1562.5	3125.0	400000	3200000	2.1	12	30
VEGFB	1:1						9	12
CSF2RB	1:1	97.7	97.7	12500	100000	2.1	9	22
CLEC12A	1:1						8	9
IL36G	1:1						16	16
DBN1	1:1	24.4	48.8	3125	800000	1.8	9	17
ZBP1	1:1	6250.0	12500.0	800000	800000	1.8	9	10
CD7	1:1	781.3	781.3	200000	800000	2.4	15	11
BNIP3L	1:1	195.3	390.6	12500	100000	1.5	15	18
ACPI	1:1	6250.0	6250.0	400000	800000	1.8		
NEDD4L	1:1						8	21
NFAT5	1:1						12	18
LATS1	1:1						14	38
AFAP1	1:10						6	23
ITGA2	1:10						8	14
APPL2	1:10	195.3	390.6	50000	800000	2.1		
TNFRSF17	1:10						5	12
NHLRC3	1:10						5	7
ADGRD1	1:10	48.8	97.7	12500	50000	2.1	5	10
BMPER	1:10	24.4	48.8	25000	100000	2.7	5	11
COL5A1	1:10	12.2	12.2	6250	50000	2.7	6	11
JAM3	1:10	48.8	97.7	12500	100000	2.1	14	33
ACHE	1:10	24.4	48.8	12500	100000	2.4	6	16
PAXX	1:10	97.7	195.3	25000	100000	2.1	5	9
PDE5A	1:10	1562.5	3125.0	200000	800000	1.8	5	27
MXRA8	1:10	195.3	390.6	25000	200000	1.8	5	14

DIPK2B	1:10						6	10
CST1	1:10	390.6	781.3	50000	400000	1.8	6	32
ANXA1	1:10						7	16
DTD1	1:10	781.3	781.3	50000	800000	1.8		
HEG1	1:10	390.6	781.3	50000	400000	1.8	5	9
ERP29	1:10	97.7	97.7	6250	12500	1.8		
SCGB3A1	1:10						6	13
TBCA	1:10	24.4	48.8	6250	50000	2.1	5	27
CD300A	1:10	48.8	97.7	6250	50000	1.8	5	9
HMCN2	1:10	390.6	781.3	100000	400000	2.1	5	21
GLA	1:10						5	11
LEG1	1:10	12.2	48.8	6250	25000	2.1	5	18
PRR4	1:10						7	18
PCBD1	1:10						5	12
CPA4	1:10						6	13
YWHAQ	1:10	390.6	390.6	25000	200000	1.8	6	29
SERPINI1	1:10	195.3	195.3	6250	50000	1.5	8	12
UROD	1:10	390.6	390.6	25000	200000	1.8	6	16
DDI2	1:10	195.3	390.6	50000	100000	2.1	6	17
CELSR2	1:10						5	8
GP5	1:10	390.6	781.3	50000	200000	1.8	5	16
GAPDH	1:10						6	21
SEMA3G	1:10						6	13
ADH1B	1:10	3125.0	6250.0	400000	800000	1.8	9	19
MFAP4	1:10	390.6	781.3	50000	200000	1.8	5	6
GNPDA2	1:10	390.6	390.6	12500	50000	1.5	6	15
PSTPIP2	1:10	1562.5	3125.0	200000	800000	1.8	10	37
MENT	1:10						5	7
DNAJB6	1:10	781.3	3125.0	200000	800000	1.8	6	27
RLN2	1:10	781.3	3125.0	800000	800000	2.4	20	24
BMP10	1:10	781.3	781.3	50000	100000	1.8	7	11
TPD52L2	1:10	781.3	781.3	50000	800000	1.8	6	37
CRELD1	1:10	195.3	195.3	25000	200000	2.1	5	11
AKAP12	1:10	781.3	1562.5	100000	1600000	1.8	8	10
AMOT	1:10	12.2	24.4	3125	12500	2.1	7	20
GHR	1:10						5	10
C1QTNF5	1:10	1562.5	3125.0	200000	1600000	1.8	5	9
PDIA3	1:10						11	18
C1QTNF9	1:10	195.3	195.3	12500	400000	1.8	4	18
GCHFR	1:10						5	8
RABEP1	1:10	48.8	195.3	25000	100000	2.1	7	14
SLC9A3R1	1:10						14	33
SFRP4	1:10						5	10
SDK2	1:10	195.3	390.6	25000	100000	1.8	10	15
CACYBP	1:10	390.6	781.3	50000	200000	1.8	6	35
CTSE	1:10	97.7	97.7	50000	200000	2.7	6	13
SUSD5	1:10	195.3	390.6	25000	100000	1.8	4	16
SPINK2	1:10	48.8	48.8	6250	25000	2.1	5	10
PINLYP	1:10	390.6	781.3	50000	200000	1.8	11	16

FUOM	1:10	48.8	195.3	12500	100000	1.8	5	22
KLK7	1:10						6	14
INHBB	1:10	390.6	390.6	25000	100000	1.8	7	18
DNAJB2	1:10	195.3	390.6	25000	100000	1.8	6	11
GLRX5	1:10	48.8	97.7	6250	50000	1.8		
FGFR4	1:10	390.6	781.3	50000	100000	1.8	5	13
TP53I3	1:10	6.1	24.4	6250	50000	2.4	5	10
MOCS2	1:10	1562.5	3125.0	200000	800000	1.8	7	11
GIMAP7	1:10	12.2	48.8	12500	100000	2.4	7	11
LZTFL1	1:10	24.4	97.7	50000	200000	2.7	9	24
VT11A	1:10	195.3	195.3	12500	25000	1.8	9	13
OLFM4	1:10	781.3	1562.5	400000	800000	2.4	6	34
SYAP1	1:10						9	24
PENK	1:10	3125.0	3125.0	200000	400000	1.8	6	8
ARHGAP45	1:10	1562.5	1562.5	400000	800000	2.4	9	16
CD72	1:10	97.7	195.3	12500	100000	1.8	6	14
RIDA	1:10	48.8	97.7	3125	12500	1.5	5	10
DAAM1	1:10	6250.0	6250.0	400000	800000	1.8	9	27
NAGPA	1:10	12.2	48.8	6250	50000	2.1	5	9
PHYKPL	1:10	3125.0	3125.0	400000	800000	2.1	8	14
SNX15	1:10	195.3	195.3	12500	100000	1.8	11	16
MYOM3	1:10	12.2	24.4	6250	50000	2.4	5	36
SNCA	1:10							
ACYP1	1:10	12.2	48.8	3125	12500	1.8	5	15
UBXN1	1:10						10	21
TNFAIP8L2	1:10						8	22
DCTD	1:10	195.3	390.6	25000	100000	1.8	6	24
MARS1	1:10	1562.5	3125.0	400000	800000	2.1	6	16
CHAD	1:10	195.3	390.6	25000	100000	1.8	5	18
GMPR2	1:10	97.7	195.3	25000	100000	2.1	6	15
ADD1	1:10						10	21
EPHA4	1:10						6	9
PRKG1	1:10						5	31
SPART	1:10	97.7	390.6	50000	400000	2.1	6	16
PTRHD1	1:10	390.6	390.6	50000	800000	2.1	7	26
ST13	1:10	390.6	390.6	50000	800000	2.1	5	9
PRDX2	1:1000						8	12
CSH1	1:1000	97.7	97.7	12500	50000	2.1		
MDH1	1:1000	1562.5	6250.0	400000	800000	1.8	4	8
TXN	1:1000	48.8	97.7	6250	12500	1.8	24	23
NRGN	1:1000	48.8	48.8	12500	800000	2.4	7	28
FGL1	1:1000	390.6	390.6	100000	200000	2.4	4	27
APOF	1:1000						6	20
CSF1R	1:1000	97.7	195.3	12500	50000	1.8	5	9
GSR	1:1000	195.3	390.6	25000	100000	1.8	5	6
PGA4	1:1000	12.2	24.4	25000	100000	3.0	4	9
C9	1:1000						19	28
CR1	1:1000	6.1	6.1	6250	50000	3.0	6	9
ACE	1:1000	390.6	1562.5	200000	800000	2.1	7	9

PI16	1:1000						6	6
MRC1	1:1000	24.4	48.8	12500	200000	2.4	5	9
PNLIP	1:1000	6.1	12.2	12500	50000	3.0	5	13
VASP	1:1000	6250.0	12500.0	800000	800000	1.8	9	36
LCAT	1:1000	390.6	781.3	50000	400000	1.8	5	9
TGOLN2	1:1000	97.7	195.3	12500	800000	1.8	7	10
FCN1	1:1000						11	22
RNASE6	1:1000	6.1	24.4	3125	12500	2.1	6	7
PEPD	1:1000	195.3	390.6	25000	200000	1.8	6	9
NEXN	1:1000	48.8	97.7	25000	200000	2.4		
TCN1	1:1000	12.2	24.4	6250	50000	2.4	5	10
APOA2	1:1000							
SHBG	1:1000	1562.5	3125.0	400000	800000	2.1	3	10
F10	1:1000	97.7	195.3	12500	50000	1.8	8	9
ASGR2	1:1000	195.3	390.6	25000	200000	1.8	8	14
SOD3	1:1000	3.1	12.2	1563	12500	2.1	4	11
TREML1	1:1000	97.7	390.6	25000	200000	1.8	8	29
DBH	1:1000	97.7	195.3	100000	400000	2.7	4	32
PON1	1:1000						7	11
ABO	1:1000	12.2	48.8	50000	200000	3.0	8	9
VNN1	1:1000	24.4	48.8	6250	50000	2.1	4	20
HGFAC	1:1000	48.8	195.3	12500	50000	1.8	4	7
BCHE	1:1000						4	12
CFHR5	1:1000						6	15
CRISP3	1:1000	390.6	390.6	25000	50000	1.8	3	7
GSN	1:1000	1562.5	3125.0	200000	800000	1.8	4	8
CGB3	1:1000						13	
MST1	1:1000	97.7	195.3	25000	200000	2.1	4	14
CAT	1:1000						7	11
RNASE4	1:1000	781.3	781.3	50000	200000	1.8	6	9
RNASE1	1:1000						10	11
CTBS	1:1000	195.3	195.3	12500	50000	1.8	4	5
GPI	1:1000	195.3	390.6	50000	200000	2.1	7	16
APOB	1:1000						9	29
AGT	1:1000	1562.5	3125.0	200000	800000	1.8	6	31
AMY1A	1:1000	195.3	195.3	12500	50000	1.8	6	12
AHSG	1:1000						5	14
APOL1	1:1000	97.7	97.7	25000	100000	2.4	4	33
C8B	1:100000						12	14
CFHR2	1:100000	195.3	390.6	25000	100000	1.8	8	16
SERPINA6	1:100000	390.6	781.3	200000	800000	2.4	5	8
SERPINA7	1:100000	195.3	390.6	25000	200000	1.8	7	8
SERPINF1	1:100000	195.3	390.6	50000	800000	2.1	3	8
PGLYRP2	1:100000	1562.5	3125.0	400000	800000	2.1	4	6
LGALS3BP	1:100000	97.7	195.3	12500	50000	1.8	7	11
CLU	1:100000	781.3	1562.5	100000	800000	1.8	5	8
B2M	1:100000	48.8	97.7	6250	25000	1.8	6	5
AFM	1:100000	97.7	195.3	50000	200000	2.4	6	7
CFHR4	1:100000	48.8	97.7	12500	50000	2.1	4	12

SAA4	1:100000						5	9
IGLC2	1:100000	6.1	12.2	781	50000	1.8	4	5
F12	1:100000	97.7	195.3	25000	200000	2.1	9	23
MBL2	1:100000	1.5	12.2	3125	25000	2.4	5	27
F2	1:100000						6	7
APOE	1:100000						10	17
LYVE1	1:100000	3.1	6.1	1563	12500	2.4	6	11
CFD	1:100000	12.2	24.4	12500	50000	2.7	7	6
PROS1	1:100000	195.3	390.6	50000	200000	2.1	5	7
KLKB1	1:100000	195.3	390.6	25000	200000	1.8	5	7
ECM1	1:100000	6250.0	6250.0	400000	800000	1.8	7	15
ATRN	1:100000	195.3	390.6	50000	200000	2.1	5	6
SERPINA5	1:100000						5	14
QSOX1	1:100000	390.6	390.6	12500	50000	1.5	6	7
PPBP	1:100000	24.4	48.8	12500	100000	2.4	5	28
CPB2	1:100000	195.3	390.6	25000	200000	1.8	6	9
PZP	1:100000	390.6	390.6	100000	800000	2.4	4	6
APOA4	1:100000	781.3	1562.5	100000	800000	1.8	8	16
C1S	1:100000	195.3	390.6	50000	200000	2.1	6	7
PF4	1:100000						11	28
CLEC3B	1:100000	97.7	195.3	25000	200000	2.1	5	6
ITIH4	1:100000	390.6	781.3	50000	200000	1.8	4	14
SERPIND1	1:100000	3125.0	3125.0	400000	800000	2.1	5	11
APOA1	1:100000						8	14
ADIPOQ	1:100000	781.3	781.3	25000	50000	1.5	7	18
C7	1:100000	24.4	48.8	12500	100000	2.4	9	6
LPA	1:100000	24.4	48.8	3125	50000	1.8		
C1R	1:100000	390.6	1562.5	100000	200000	1.8	5	6
APOD	1:100000	781.3	1562.5	50000	200000	1.5	7	17
SELL	1:100000	3.1	6.1	1563	6250	2.4	4	6
BTD	1:100000	12.2	24.4	3125	25000	2.1	5	7
C1RL	1:100000	12.2	24.4	6250	50000	2.4	5	7
ORM1	1:100000	24.4	48.8	6250	25000	2.1	6	5
ITIH1	1:100000	195.3	195.3	25000	200000	2.1	6	8
APOC1	1:100000	195.3	390.6	100000	800000	2.4	9	16
CFB	1:100000	781.3	1562.5	100000	800000	1.8	6	12
SERPINA1	1:100000	3125.0	6250.0	400000	800000	1.8	3	4
SELENOP	1:100000	97.7	195.3	25000	100000	2.1	15	19
C5	1:100000	24.4	48.8	3125	12500	1.8	7	7
LRG1	1:100000	97.7	97.7	6250	25000	1.8	5	6
HRG	1:100000	97.7	195.3	25000	200000	2.1	6	9
PLG	1:100000	97.7	195.3	50000	200000	2.4	4	11
CFP	1:100000	195.3	390.6	25000	200000	1.8	4	7
TF	1:100000						5	5
FN1	1:100000						4	23
TTR	1:100000	195.3	195.3	12500	50000	1.8	5	5
F13B	1:100000	390.6	781.3	25000	100000	1.5	6	10
GC	1:100000	97.7	390.6	25000	200000	1.8	4	7
SERPINF2	1:100000	390.6	781.3	100000	400000	2.1	4	6

FGA	1:100000	781.3	1562.5	200000	800000	2.1	6	19
SERPING1	1:100000	390.6	390.6	25000	200000	1.8	4	7
SERPINC1	1:100000						4	4
C3	1:100000						7	40
CD5L	1:100000	24.4	24.4	12500	50000	2.7	4	13
SERPINA4	1:100000						5	6
APCS	1:100000	195.3	390.6	25000	100000	1.8	4	10
SERPINA3	1:100000						3	6
A1BG	1:100000	48.8	195.3	12500	200000	1.8	4	6
CFH	1:100000						5	8
F11	1:100000	12.2	48.8	12500	50000	2.4	6	9
CFI	1:100000	195.3	390.6	50000	200000	2.1	5	9
ODAM	1:1	195.3	781.3	100000	200000	2.1	8	14
NPM1	1:1	24.4	48.8	12500	200000	2.4	8	10
PRTFDC1	1:1	3125.0	6250.0	400000	800000	1.8	10	11
NXPH1	1:1	48.8	195.3	100000	200000	2.7	8	13
MUC13	1:1	6.1	12.2	6250	25000	2.7	9	19
VSTM1	1:1	48.8	97.7	6250	25000	1.8	9	9
SLC39A14	1:1	97.7	390.6	12500	50000	1.5	9	19
TBC1D17	1:1	195.3	390.6	50000	200000	2.1	8	12
ADGRB3	1:1	12.2	24.4	100000	800000	3.6	7	6
PSME1	1:1	97.7	195.3	50000	200000	2.4	8	8
FRZB	1:1	97.7	195.3	25000	50000	2.1	7	5
GLB1	1:1	195.3	390.6	100000	800000	2.4	8	10
GLT8D2	1:1	3125.0	6250.0	1600000	3200000	2.4	9	9
ASAH2	1:1	97.7	195.3	25000	200000	2.1	11	6
AGR2	1:1	1562.5	1562.5	100000	800000	1.8	21	13
GFRA3	1:1	24.4	48.8	12500	50000	2.4	9	8
CHMP1A	1:1						5	10
TST	1:1	6250.0	6250.0	800000	1600000	2.1	11	13
MAX	1:1	97.7	390.6	25000	100000	1.8	7	19
GSTP1	1:1	12500.0	12500.0	400000	1600000	1.5	8	17
ISLR2	1:1	24.4	48.8	25000	200000	2.7	6	15
CST5	1:1	24.4	24.4	6250	25000	2.4	6	6
CX3CL1	1:1	24.4	48.8	6250	12500	2.1	8	8
CASP1	1:1	97.7	195.3	50000	100000	2.4	8	21
NEFL	1:1	390.6	781.3	200000	800000	2.4	12	12
TDRKH	1:1	6.1	12.2	6250	25000	2.7	6	13
CLSTN1	1:1	390.6	1562.5	200000	800000	2.1	10	11
KIRREL2	1:1	97.7	195.3	50000	200000	2.4	8	14
PFDN2	1:1	97.7	195.3	100000	800000	2.7	7	23
HNMT	1:1	12.2	48.8	25000	50000	2.7	7	6
TMPRSS5	1:1	3.1	6.1	6250	50000	3.0	8	5
TNFRSF10B	1:1	0.8	1.5	3125	12500	3.3	10	7
PLA2G10	1:1	1.5	3.1	3125	12500	3.0	9	6
LY96	1:1	6250.0	12500.0	1600000	3200000	2.1	9	6
EBAG9	1:1	97.7	390.6	50000	200000	2.1	8	6
PSG1	1:1	6.1	12.2	3125	12500	2.4	8	7
CSF2RA	1:1	781.3	1562.5	400000	800000	2.4	9	8

ECE1	1:1						13	17
WFIKKN1	1:1	12.2	24.4	50000	200000	3.3	10	5
GPC5	1:1	12.2	48.8	25000	50000	2.7	10	6
CRADD	1:1						10	6
CCS	1:1	781.3	1562.5	400000	800000	2.4	9	10
ASGR1	1:1	195.3	390.6	100000	800000	2.4	7	6
CCL2	1:1	6.1	12.2	1563	6250	2.1	9	8
KRT14	1:1	97.7	390.6	200000	800000	2.7	6	18
RAB6B	1:1	195.3	781.3	50000	200000	1.8	8	11
SIGLEC15	1:1	97.7	195.3	100000	200000	2.7	6	15
METAP1	1:1	781.3	1562.5	200000	800000	2.1	7	23
IL34	1:1	48.8	195.3	200000	800000	3.0	8	14
IFNL1	1:1	6.1	12.2	25000	100000	3.3	9	16
LYPD1	1:1	195.3	390.6	100000	400000	2.4	6	12
RASA1	1:1	6250.0	6250.0	3200000	6400000	2.7	9	15
ATP5PO	1:1	48.8	48.8	100000	800000	3.3	6	20
IDI2	1:1	195.3	781.3	200000	800000	2.4	12	20
ARID4B	1:1	12.2	24.4	12500	200000	2.7	6	15
SSB	1:1	390.6	1562.5	200000	800000	2.1	6	10
SLC27A4	1:1	24.4	24.4	100000	200000	3.6	8	18
SIRT5	1:1	1562.5	1562.5	200000	400000	2.1	12	24
KCNIP4	1:1	48.8	48.8	12500	200000	2.4	8	8
SLC16A1	1:1	781.3	1562.5	400000	800000	2.4	13	9
SESTD1	1:1	3125.0	3125.0	400000	800000	2.1	14	6
PXN	1:1						7	14
SMARCA2	1:1	97.7	195.3	50000	200000	2.4	7	12
ANXA5	1:1						10	17
LIF	1:1	3.1	6.1	3125	100000	2.7	6	9
TDGF1	1:1	390.6	781.3	100000	200000	2.1	8	34
ATF2	1:1	1406.3	2812.5	360000	720000	2.1	8	16
PAK4	1:1	390.6	1562.5	200000	800000	2.1	12	15
CDHR1	1:1	48.8	97.7	50000	200000	2.7	8	10
MMP13	1:1	24.4	48.8	100000	400000	3.3	8	13
MAPT	1:1	1562.5	1562.5	50000	200000	1.5	11	22
COPE	1:1	781.3	1562.5	400000	800000	2.4	8	12
FGR	1:1	390.6	390.6	100000	400000	2.4	8	19
FOSB	1:1	195.3	390.6	200000	800000	2.7	6	22
CLSPN	1:1						17	32
FMNL1	1:1	3125.0	3125.0	200000	800000	1.8	11	19
S100A16	1:1	97.7	390.6	25000	400000	1.8	13	13
DCTN6	1:1	781.3	3125.0	200000	800000	1.8	5	14
SCARB1	1:1	1562.5	3125.0	400000	800000	2.1	7	14
CALB2	1:1	195.3	781.3	200000	400000	2.4	9	19
ATXN10	1:1	195.3	390.6	50000	200000	2.1	9	13
MRPL46	1:1						11	21
BAX	1:1	14.2	28.3	29000	116000	3.0	9	21
ATP6V1F	1:1						7	16
TPPP3	1:1	195.3	390.6	25000	100000	1.8	8	10
KEL	1:1	1562.5	3125.0	200000	800000	1.8	6	8



NDRG1	1:1	48.8	195.3	100000	400000	2.7	9	15
IVD	1:1	3125.0	3125.0	400000	800000	2.1	10	12
PADI4	1:1						9	14
GGA1	1:1						11	11
HSP90B1	1:1						7	11
EPHA10	1:1	97.7	195.3	100000	800000	2.7	8	15
BRK1	1:1	24.4	48.8	100000	200000	3.3	9	13
PMVK	1:1	3125.0	3125.0	800000	6400000	2.4	17	21
HMOX2	1:1	24.4	48.8	100000	200000	3.3	8	10
KLB	1:1	1562.5	1562.5	200000	800000	2.1	12	22
ILKAP	1:1	781.3	1562.5	400000	800000	2.4	10	17
C2CD2L	1:1	25000.0	50000.0	6400000	12800000	2.1	5	
SLIT2	1:1	97.7	390.6	100000	200000	2.4	7	11
KRT5	1:1						11	17
GKN1	1:1	1562.5	3125.0	800000	3200000	2.4	6	26
PTK7	1:1	390.6	390.6	100000	200000	2.4	7	11
AMFR	1:1	97.7	195.3	100000	400000	2.7	7	21
C19orf12	1:1	48.8	195.3	100000	200000	2.7	7	18
NOS3	1:1	24.4	48.8	100000	200000	3.3	10	14
PTEN	1:1						10	11
TARBP2	1:1	97.7	195.3	100000	200000	2.7	7	19
CERT1	1:1						10	13
WASF3	1:1						6	9
TNF	1:1	1.5	6.1	6250	200000	3.0	10	16
NOS1	1:1	6.1	6.1	25000	50000	3.6	11	21
DUSP3	1:1						9	10
CETN2	1:1	3125.0	3125.0	200000	800000	1.8	11	20
PLIN1	1:1						6	9
STK24	1:1	24.4	195.3	50000	200000	2.4	5	18
PBLD	1:1	390.6	781.3	400000	800000	2.7	7	12
PTS	1:1	24.4	48.8	25000	200000	2.7	8	11
XRCC4	1:1	390.6	781.3	100000	200000	2.1	7	11
GDNF	1:1	0.4	0.8	1563	12500	3.3	7	22
ING1	1:1	48.8	97.7	100000	200000	3.0	8	15
GHRHR	1:1	3125.0	3125.0	400000	800000	2.1	9	17
CARHSP1	1:1	781.3	1562.5	100000	400000	1.8	11	17
ANXA10	1:1	48.8	97.7	25000	200000	2.4	8	19
DRAXIN	1:1	97.7	195.3	50000	200000	2.4	8	9
SERPINB9	1:1	1562.5	3125.0	400000	800000	2.1	8	7
EFNA4	1:1	6.1	6.1	3125	12500	2.7	7	5
PTPRN2	1:1	12.2	48.8	25000	50000	2.7	9	7
NAAA	1:1	97.7	195.3	100000	800000	2.7	7	7
CDCP1	1:1	48.8	97.7	6250	12500	1.8	7	6
CLPP	1:1	48.8	195.3	100000	800000	2.7	7	10
CRIP2	1:1	781.3	1562.5	200000	800000	2.1	7	6
GGT5	1:1	781.3	1562.5	400000	800000	2.4	9	6
MAD1L1	1:1						9	5
PPP3R1	1:1						8	7
IL18RAP	1:1	12.2	12.2	6250	50000	2.7	9	5

NMNAT1	1:1						7	7
ABHD14B	1:1						8	16
FLRT2	1:1	12.2	48.8	25000	100000	2.7	9	8
APRT	1:1	390.6	781.3	400000	800000	2.7	10	6
TNFRSF10A	1:1	6.1	12.2	6250	25000	2.7	10	6
GBP4	1:1	1562.5	6250.0	800000	3200000	2.1	9	10
GPKOW	1:1	3125.0	6250.0	400000	3200000	1.8	8	10
CLEC10A	1:1	12.2	48.8	12500	50000	2.4	7	8
AKT1S1	1:1	546.9	1093.8	70000	280000	1.8	9	16
CASP10	1:1	97.7	195.3	50000	200000	2.4	7	12
BAG3	1:1	97.7	97.7	50000	200000	2.7	9	6
STAMBP	1:1	24.4	48.8	25000	200000	2.7	10	7
VWC2	1:1	97.7	195.3	25000	50000	2.1	8	6
DKK4	1:1						9	5
WWP2	1:1	97.7	390.6	400000	800000	3.0	11	10
PAEP	1:1	46.4	92.8	47500	380000	2.7	10	13
SPOCK1	1:1	390.6	390.6	200000	800000	2.7	9	5
LAYN	1:1	3.1	6.1	6250	50000	3.0	9	6
SETMAR	1:1	390.6	1562.5	400000	800000	2.4	8	4
FHIT	1:1	6.1	12.2	1563	6250	2.1	10	14
IL6	1:1	0.8	1.5	1563	12500	3.0	10	8
PTPN1	1:1						8	12
IMPA1	1:1	195.3	781.3	200000	800000	2.4	9	9
DARS1	1:1	48.8	97.7	100000	400000	3.0	10	13
CRTAM	1:1	12.2	48.8	12500	200000	2.4	9	8
NGF	1:1	48.8	97.7	12500	25000	2.1	7	4
ULBP2	1:1	24.4	48.8	100000	200000	3.3	9	8
PHOSPHO1	1:1	3.1	6.1	781	6250	2.1	8	6
RSPO1	1:1	3.1	3.1	1563	12500	2.7	8	7
TIGAR	1:1	24.4	195.3	100000	400000	2.7	7	24
FKBP7	1:1	97.7	195.3	100000	800000	2.7	7	10
SKAP1	1:1	48.8	195.3	50000	200000	2.4	8	8
EREG	1:1	6.1	6.1	1563	6250	2.4	6	6
FKBP5	1:1	97.7	195.3	25000	50000	2.1	9	6
MAP4K5	1:1	12.2	48.8	6250	50000	2.1	6	10
DPEP1	1:1						8	5
SNCG	1:1	24.4	48.8	50000	800000	3.0	9	8
TBCC	1:1	781.3	781.3	400000	800000	2.7	8	8
CD63	1:1	24.4	48.8	12500	50000	2.4	9	6
MATN3	1:1	12.2	12.2	25000	200000	3.3	7	6
MASP1	1:1	390.6	781.3	100000	400000	2.1	10	6
IFNGR2	1:1	24.4	48.8	12500	100000	2.4	9	4
LAIR2	1:1	0.8	1.5	781	6250	2.7	10	6
CC2D1A	1:1	97.7	195.3	100000	800000	2.7	9	6
TNFRSF9	1:1	0.8	1.5	3125	6250	3.3	8	6
IPCEF1	1:1	12.2	97.7	25000	50000	2.4	11	6
EPHB6	1:1	12.2	48.8	25000	50000	2.7	9	6
OBP2B	1:1	0.8	3.1	3125	12500	3.0	9	6
CXCL8	1:1	0.2	0.4	1563	6250	3.6	7	5

ADAM22	1:1	97.7	195.3	50000	200000	2.4	9	6
RBKS	1:1	6.1	6.1	12500	50000	3.3	7	11
SFRP1	1:1	24.4	48.8	50000	200000	3.0	18	20
TXLNA	1:1	3.1	6.1	1563	12500	2.4	9	8
AFP	1:1	12.2	24.4	25000	100000	3.0	9	4
FKBP4	1:1	48.8	195.3	25000	50000	2.1	8	7
BCAN	1:1	781.3	1562.5	200000	800000	2.1	7	5
CD274	1:1	3.1	3.1	3125	50000	3.0	9	6
CALCA	1:1	24.4	48.8	25000	50000	2.7	8	4
SCARB2	1:1	3.1	6.1	6250	50000	3.0	8	6
TCL1A	1:1	97.7	195.3	50000	200000	2.4	10	6
PSME2	1:1	48.8	195.3	25000	200000	2.1	7	7
LXN	1:1	390.6	390.6	200000	800000	2.7	10	12
EIF4B	1:1	390.6	390.6	100000	200000	2.4	8	20
RHOC	1:1	24.4	48.8	50000	200000	3.0	8	8
MDGA1	1:1	48.8	97.7	25000	200000	2.4	8	4
LPO	1:1	3.1	12.2	25000	200000	3.3	7	8
TNFSF14	1:1	48.8	195.3	50000	200000	2.4	7	6
DNMBP	1:1	12.2	24.4	50000	200000	3.3	9	6
ACVRL1	1:1	3.1	6.1	3125	12500	2.7	9	5
TNFRSF6B	1:1	97.7	195.3	50000	200000	2.4	10	8
PRDX1	1:1	97.7	195.3	25000	200000	2.1	10	12
MITD1	1:1	3.1	6.1	25000	50000	3.6	9	8
TNR	1:1	97.7	195.3	50000	200000	2.4	9	7
TBCB	1:1	24.4	97.7	100000	400000	3.0	7	10
BMP4	1:1	6.1	48.8	12500	50000	2.4	18	49
FUT8	1:1						7	6
CXCL13	1:10	3.1	6.1	1563	6250	2.4	6	10
PVR	1:10	97.7	195.3	200000	800000	3.0	9	8
DDR1	1:10	12.2	12.2	50000	400000	3.6	7	5
ENO1	1:10						7	11
SCARF2	1:10	48.8	97.7	200000	400000	3.3	6	7
CPM	1:10	12.2	24.4	25000	200000	3.0	5	5
NCAN	1:10	3.1	6.1	6250	50000	3.0	6	8
RGMA	1:10	24.4	48.8	100000	400000	3.3	7	7
GOLM2	1:10	24.4	48.8	50000	100000	3.0	7	5
CXCL11	1:10	1.5	6.1	6250	12500	3.0	7	9
SERPINB6	1:10	24.4	97.7	50000	400000	2.7	7	7
STC1	1:10						7	7
CD300C	1:10	3.1	6.1	6250	25000	3.0	7	9
OXT	1:10	6.1	24.4	25000	200000	3.0	5	6
SMPD1	1:10	97.7	195.3	400000	800000	3.3	6	9
SULT1A1	1:10	97.7	195.3	100000	400000	2.7	5	14
EZR	1:10	390.6	781.3	100000	400000	2.1	6	4
VCAN	1:10	1.5	3.1	6250	25000	3.3	7	6
SUMF2	1:10	24.4	48.8	6250	200000	2.1	6	5
TXNDC5	1:10	3125.0	6250.0	800000	3200000	2.1	10	9
CDH15	1:10	1562.5	3125.0	400000	800000	2.1	7	6
CDH3	1:10	97.7	195.3	100000	200000	2.7	9	5

PDCD5	1:10	6.1	24.4	12500	100000	2.7	8	13
JAM2	1:10	0.4	1.5	6250	25000	3.6	6	5
MSR1	1:10	12.2	24.4	12500	100000	2.7	6	8
VTA1	1:10	195.3	390.6	400000	800000	3.0	9	15
CHGB	1:10	390.6	781.3	400000	800000	2.7	7	7
ADAM8	1:10	3.1	6.1	12500	25000	3.3	5	7
DKK1	1:10	12.2	24.4	25000	50000	3.0	7	8
LRPAP1	1:10	6.1	12.2	6250	12500	2.7	5	6
CLEC1B	1:10	12.2	24.4	12500	50000	2.7	11	12
BST2	1:10	6.1	12.2	25000	50000	3.3	7	4
PRL	1:10	24.4	97.7	100000	400000	3.0	6	11
SEMA4D	1:10	97.7	195.3	50000	400000	2.4	6	7
CD34	1:10	97.7	195.3	200000	400000	3.0	7	12
LBR	1:10	390.6	781.3	400000	800000	2.7	6	7
CD8A	1:10						6	10
CCL19	1:10						5	12
RWDD1	1:10	24.4	48.8	100000	200000	3.3	7	11
NSFL1C	1:10	48.8	97.7	100000	800000	3.0	8	8
FUT3_FUT5	1:10	1.5	6.1	6250	50000	3.0	5	7
CPPED1	1:10	24.4	48.8	50000	200000	3.0	5	13
FOLR2	1:10	3.1	6.1	6250	25000	3.0	6	5
MMP8	1:10	97.7	390.6	200000	800000	2.7	5	5
BST1	1:10	48.8	97.7	50000	800000	2.7	6	7
ENO2	1:10	3125.0	6250.0	3200000	12800000	2.7	6	13
SCARA5	1:10	48.8	97.7	25000	100000	2.4	6	6
NTRK3	1:10	12.2	24.4	25000	100000	3.0	6	5
RGMB	1:10	48.8	195.3	100000	200000	2.7	6	5
FABP5	1:10	24.4	97.7	100000	800000	3.0	14	34
LGALS8	1:10	12.2	48.8	25000	100000	2.7	5	6
ROBO2	1:10	12.2	24.4	25000	200000	3.0	6	6
LAMP2	1:10	97.7	195.3	200000	800000	3.0	5	6
ANXA3	1:10	195.3	390.6	100000	200000	2.4	7	8
PPCDC	1:10	12.2	24.4	25000	200000	3.0	5	6
TNFRSF8	1:10	12.2	48.8	50000	200000	3.0	5	6
CPA2	1:10	97.7	195.3	400000	800000	3.3	6	6
CTSS	1:10	1.5	12.2	12500	50000	3.0	7	6
CNTN5	1:10	24.4	48.8	25000	100000	2.7	5	6
TNFRSF21	1:10	24.4	48.8	25000	100000	2.7	6	6
THY1	1:10	0.4	0.8	6250	25000	3.9	6	6
CD74	1:10	97.7	195.3	25000	100000	2.1	5	5
AHSP	1:100	6.1	6.1	6250	25000	3.0	7	5
NID2	1:100	1562.5	3125.0	800000	800000	2.4	10	10
CGA	1:100	0.8	1.5	6250	50000	3.6	7	6
FCRL5	1:100	6.1	12.2	25000	800000	3.3	7	3
IL1RAP	1:100	6.1	12.2	12500	50000	3.0	7	3
IL7R	1:100	6.1	12.2	12500	200000	3.0	7	15
CNTN3	1:100	6.1	24.4	12500	50000	2.7	6	4
CD177	1:100	0.8	1.5	6250	25000	3.6	8	4
FCER2	1:100	1.5	3.1	6250	25000	3.3	7	6

PLAU	1:100	0.4	0.8	6250	12500	3.9	5	3
CLEC11A	1:100	12.2	24.4	25000	100000	3.0	8	6
CD99L2	1:100	0.2	0.8	3125	6250	3.6	6	7
OGN	1:100	6.1	24.4	25000	50000	3.0	6	4
PIK3IP1	1:100	6.1	12.2	6250	25000	2.7	5	4
PAMR1	1:100	24.4	48.8	25000	50000	2.7	7	5
RELT	1:100	3.1	12.2	6250	25000	2.7	8	4
SPINK5	1:100	97.7	195.3	25000	50000	2.1	7	3
TNFRSF1B	1:100	3.1	12.2	12500	50000	3.0	7	4
MIF	1:100	6.1	12.2	3125	100000	2.4	7	14
BIN2	1:100	3125.0	6250.0	400000	800000	1.8	8	12
HARS1	1:100	48.8	195.3	100000	200000	2.7	6	16
CLPS	1:100	24.4	48.8	50000	400000	3.0	9	15
SERPINB1	1:100	97.7	390.6	400000	800000	3.0	7	8
WARS1	1:100	48.8	97.7	200000	400000	3.3	7	17
CLEC14A	1:100	48.8	97.7	200000	800000	3.3	5	5
MYOC	1:100						6	8
NOMO1	1:100	6.1	12.2	25000	200000	3.3	5	5
NPTX1	1:100	6.1	12.2	25000	200000	3.3	7	5
SUSD2	1:100	3.1	6.1	12500	50000	3.3	7	6
MPO	1:100	97.7	195.3	12500	25000	1.8	6	6
INHBC	1:100	24.4	24.4	12500	50000	2.7	8	7
IGFBP4	1:100	390.6	390.6	100000	400000	2.4	8	5
ITGAM	1:100	97.7	195.3	200000	400000	3.0	8	6
APOH	1:100						9	12
BCAM	1:100	24.4	48.8	6250	12500	2.1	6	6
GGT1	1:100	6.1	24.4	50000	400000	3.3	6	5
STIP1	1:100	24.4	97.7	25000	200000	2.4	9	7
CCN5	1:100						11	13
PEBP1	1:100	48.8	97.7	50000	400000	2.7	9	10
IL17RA	1:100	3.1	6.1	12500	25000	3.3	8	5
MMP3	1:100	6.1	12.2	6250	25000	2.7	6	4
IL1R1	1:100	0.4	0.4	6250	12500	4.2	5	5
CD164	1:100	24.4	48.8	12500	25000	2.4	8	5
DSC2	1:100	6.1	24.4	25000	200000	3.0	8	5
NRP2	1:100	24.4	48.8	25000	200000	2.7	10	7
SIGLEC5	1:100	97.7	195.3	100000	200000	2.7	8	6
APP	1:100	195.3	390.6	200000	400000	2.7	5	7
CD109	1:100	48.8	97.7	200000	800000	3.3	5	8
SOD2	1:100	390.6	1562.5	800000	800000	2.7	7	4
ALDH1A1	1:100	48.8	97.7	100000	200000	3.0	6	6
SPINT1	1:100	6.1	24.4	25000	400000	3.0	5	3
STC2	1:100	1.5	3.1	6250	25000	3.3	6	5
DSG2	1:100	195.3	390.6	25000	50000	1.8	7	5
VSIG4	1:100	3.1	6.1	6250	25000	3.0	6	5
IGF2R	1:100	97.7	97.7	50000	200000	2.7	7	6
ARSA	1:100	24.4	97.7	25000	50000	2.4	5	6
TIMP4	1:100	3.1	6.1	3125	12500	2.7	7	5
GUCA2A	1:100	1.5	3.1	6250	25000	3.3	5	6

FYB1	1:100	48.8	97.7	50000	200000	2.7	8	8
GP6	1:100	3.1	3.1	6250	25000	3.3	7	6
TREML2	1:100	3.1	6.1	6250	25000	3.0	7	5
TNXB	1:100	97.7	390.6	50000	400000	2.1	6	3
PECAM1	1:100	6.1	12.2	50000	100000	3.6	8	4
F11R	1:100	0.4	0.8	3125	6250	3.6	11	6
BLVRB	1:100	97.7	390.6	200000	400000	2.7	8	6
CD99	1:100	1.5	3.1	6250	25000	3.3	6	3
PIGR	1:100	48.8	97.7	50000	200000	2.7	6	4
CNTN4	1:100	48.8	97.7	50000	400000	2.7	6	5
GNLY	1:100	3.1	6.1	12500	50000	3.3	8	9
MMP9	1:100	97.7	195.3	50000	400000	2.4	7	5
TFF1	1:100	3.1	6.1	6250	25000	3.0	7	5
GRN	1:100	12.2	48.8	12500	25000	2.4	7	5
CA2	1:100	97.7	195.3	200000	800000	3.0	8	6
PARK7	1:100	6.1	12.2	3125	12500	2.4	7	9
CTRB1	1:100	1.5	3.1	12500	25000	3.6	6	4
NUDT5	1:100	48.8	97.7	25000	50000	2.4	7	10
MFGE8	1:100	48.8	97.7	200000	800000	3.3	8	5
PILRA	1:100	0.8	1.5	12500	25000	3.9	5	4
TXNRD1	1:100	1.5	6.1	6250	25000	3.0	8	4
MESD	1:100	1562.5	3125.0	800000	800000	2.4	8	13
THBS2	1:100	24.4	48.8	100000	800000	3.3	6	4
HAVCR2	1:100	1.5	3.1	6250	25000	3.3	6	4
PLA2G7	1:100	195.3	390.6	200000	800000	2.7	7	5
ITGA5	1:100	24.4	48.8	50000	400000	3.0	10	9
TMSB10	1:100	48.8	97.7	12500	25000	2.1	7	6
EFNA1	1:100	97.7	195.3	12500	25000	1.8	8	7
SPINK1	1:100	24.4	48.8	12500	25000	2.4	8	5
LILRA2	1:100	24.4	48.8	12500	50000	2.4	6	4
DBI	1:100	12.2	24.4	12500	25000	2.7	7	7
TNFRSF1A	1:100	1.5	6.1	12500	25000	3.3	7	3
CA6	1:100	6.1	12.2	12500	25000	3.0	9	7
CD300LG	1:100	24.4	48.8	6250	25000	2.1	7	6
B4GAT1	1:100	24.4	97.7	50000	400000	2.7	7	6
NCAM2	1:100	24.4	48.8	25000	200000	2.7	7	5
DNLZ	1:1	3125.0	3125.0	200000	800000	1.8	19	26
KIF20B	1:1	12.2	48.8	12500	100000	2.4	18	12
CNGB3	1:1	781.3	781.3	50000	200000	1.8	15	17
CNTF	1:1	195.3	390.6	400000	800000	3.0		
DCUN1D1	1:1	1562.5	3125.0	200000	800000	1.8	18	
GABRA4	1:1	3125.0	3125.0	100000	400000	1.5		
RANBP2	1:1	3125.0	3125.0	400000	800000	2.1		
KCNC4	1:1	195.3	390.6	25000	100000	1.8	6	10
ART5	1:1	390.6	1562.5	100000	400000	1.8	13	
CEND1	1:1	6.1	24.4	6250	25000	2.4	15	13
GPR101	1:1	48.8	97.7	12500	50000	2.1	9	7
CTNNA1	1:1	6250.0	6250.0	200000	800000	1.5	7	20
CACNA1C	1:1	781.3	781.3	100000	800000	2.1	11	36

LYPLA2	1:1						8	32
CD3D	1:1	390.6	390.6	50000	400000	2.1	4	
BRD2	1:1	1562.5	3125.0	200000	400000	1.8	7	6
TJP3	1:1	1562.5	3125.0	400000	800000	2.1	12	20
HTR1A	1:1	1562.5	1562.5	100000	800000	1.8	11	20
DEFB116	1:1	195.3	195.3	12500	100000	1.8	10	4
TUBB3	1:1	1562.5	1562.5	200000	800000	2.1	7	
IGDCC3	1:1	1562.5	1562.5	100000	800000	1.8	13	
LMOD2	1:1	781.3	1562.5	50000	400000	1.5	19	35
CLIC5	1:1	12.2	24.4	6250	25000	2.4	8	6
CLEC2L	1:1	195.3	195.3	50000	200000	2.4	13	
DYNLT1	1:1	390.6	781.3	50000	100000	1.8	14	19
CACNB1	1:1	781.3	781.3	50000	400000	1.8	7	
CRYM	1:1						13	17
CDKL5	1:1	1562.5	1562.5	100000	800000	1.8	7	33
OTOA	1:1	97.7	195.3	50000	400000	2.4	10	20
AGBL2	1:1	390.6	781.3	50000	800000	1.8	21	22
FH	1:1						10	27
C2orf69	1:1	1562.5	3125.0	400000	800000	2.1	14	15
TP73	1:1	1562.5	1562.5	800000	800000	2.7	4	7
FZD10	1:1	200000.0	200000.0	6400000	12800000	1.5		
BOLA1	1:1	1562.5	3125.0	400000	800000	2.1	19	11
DOCK9	1:1	195.3	390.6	100000	400000	2.4	12	34
OMP	1:1	6.1	24.4	3125	25000	2.1	5	10
ITPRIP	1:1	195.3	195.3	12500	800000	1.8	13	15
CBLN1	1:1	6250.0	6250.0	400000	1600000	1.8	14	
ATXN2	1:1	781.3	781.3	50000	400000	1.8	12	28
DEFB104A_DEFBI	1:1	97.7	390.6	25000	100000	1.8	10	21
CGN	1:1	781.3	1562.5	100000	200000	1.8	9	8
DGCR6	1:1	390.6	781.3	50000	100000	1.8	13	13
GRIK2	1:1	12.2	24.4	50000	100000	3.3	12	17
MAP1LC3A	1:1	3125.0	3125.0	800000	800000	2.4	10	
BLOC1S2	1:1	195.3	390.6	25000	100000	1.8	24	5
ELAVL4	1:1	24.4	195.3	12500	50000	1.8	15	24
TMPRSS11B	1:1	390.6	781.3	50000	800000	1.8	4	
CHP1	1:1	12500.0	12500.0	400000	800000	1.5	13	22
CORO6	1:1	3125.0	12500.0	800000	800000	1.8	14	21
ARHGEF5	1:1	390.6	390.6	25000	50000	1.8	16	25
LEO1	1:1	781.3	781.3	100000	800000	2.1	8	13
PPP1R14D	1:1	781.3	781.3	50000	200000	1.8	10	19
MRPL28	1:1	1562.5	1562.5	800000	800000	2.7	9	6
NMT1	1:1						8	32
LRTM2	1:1	24.4	48.8	12500	50000	2.4	9	9
IFNL2	1:1	3125.0	3125.0	400000	800000	2.1	6	10
RAB3GAP1	1:1	1562.5	1562.5	50000	400000	1.5	8	11
SYNGAP1	1:1	48.8	97.7	12500	100000	2.1	5	13
TFAP2A	1:1	3125.0	6250.0	200000	800000	1.5	13	
BRME1	1:1	25000.0	25000.0	1600000	12800000	1.8	11	27
HTR1B	1:1						8	4

BCAT2	1:1	195.3	390.6	50000	400000	2.1		
STEAP4	1:1	48.8	48.8	12500	100000	2.4	11	17
LELP1	1:1						4	
PNMA2	1:1	12500.0	12500.0	800000	800000	1.8	7	22
CSPG5	1:1	390.6	390.6	50000	800000	2.1	16	23
CNTNAP4	1:1	390.6	390.6	25000	100000	1.8	7	17
ARHGEF10	1:1	390.6	1562.5	100000	200000	1.8	6	22
FCER1A	1:1	390.6	781.3	50000	200000	1.8	12	11
CACNB3	1:1	781.3	1562.5	100000	200000	1.8	11	35
RBM17	1:1						13	25
AMPD3	1:1						4	21
ZHX2	1:1	390.6	390.6	50000	100000	2.1	6	8
DNAJA4	1:1						8	16
HLA-A	1:1						9	9
GID8	1:1	781.3	781.3	25000	100000	1.5	6	
LDLRAP1	1:1	12500.0	12500.0	800000	1600000	1.8		
VGF	1:1						9	10
NEO1	1:1	97.7	97.7	25000	50000	2.4	8	12
IL13RA2	1:1	1562.5	1562.5	800000	800000	2.7	10	
RRP15	1:1	781.3	781.3	100000	800000	2.1		
MYLPF	1:1	3125.0	3125.0	100000	800000	1.5	14	25
CABP2	1:1	1562.5	3125.0	200000	800000	1.8	16	25
CADPS	1:1	195.3	390.6	100000	200000	2.4	10	13
OTUD7B	1:1	390.6	781.3	200000	800000	2.4	8	19
PDLIM5	1:1	390.6	781.3	100000	400000	2.1	7	37
MRI1	1:1						9	36
DOC2B	1:1	195.3	390.6	100000	200000	2.4	8	15
SLC1A4	1:1	12500.0	25000.0	1600000	6400000	1.8	9	20
DUSP29	1:1	390.6	390.6	50000	200000	2.1	16	22
MYL6B	1:1	1562.5	1562.5	100000	400000	1.8	12	16
PGM2	1:1	390.6	781.3	200000	800000	2.4	11	28
SCN3A	1:1	781.3	781.3	50000	800000	1.8		
CRTAP	1:1						4	
TARM1	1:1	195.3	390.6	50000	800000	2.1		
NRXN3	1:1	390.6	390.6	25000	800000	1.8	6	31
ARMCX2	1:1	781.3	1562.5	100000	800000	1.8		
INPP5J	1:1	195.3	195.3	50000	100000	2.4	16	29
SOX2	1:1	781.3	1562.5	100000	400000	1.8	2	
HJV	1:1	781.3	1562.5	100000	200000	1.8	12	10
RGS10	1:1	195.3	195.3	25000	100000	2.1	8	24
GIGYF2	1:1	390.6	390.6	50000	200000	2.1	9	16
PIBF1	1:1	195.3	195.3	50000	200000	2.4	11	31
RGCC	1:1	1562.5	3125.0	200000	800000	1.8	8	31
OCLN	1:1	195.3	195.3	25000	100000	2.1	9	12
IGBP1	1:1	1562.5	1562.5	100000	400000	1.8	11	21
TOM1L2	1:1						12	37
AZI2	1:1	781.3	1562.5	400000	800000	2.4	10	25
MYOM1	1:1	195.3	781.3	50000	200000	1.8	12	
SCN2A	1:1	195.3	390.6	25000	100000	1.8	9	23



UPK3A	1:1	781.3	781.3	50000	200000	1.8		
KIRREL1	1:1	1562.5	1562.5	200000	800000	2.1	9	14
HDAC9	1:1						8	22
ECSCR	1:1						0.1	
LRFN2	1:1						21	
SNAPIN	1:1	781.3	781.3	100000	400000	2.1	11	23
FAM171A2	1:1	781.3	1562.5	100000	400000	1.8	9	28
ASPSCR1	1:1	390.6	781.3	200000	800000	2.4	14	22
STXBP1	1:1	1562.5	3125.0	400000	800000	2.1		
CSNK2A1	1:1						7	22
GRIN2B	1:1	1562.5	6250.0	400000	800000	1.8	9	12
ZPR1	1:1	781.3	781.3	50000	800000	1.8	13	23
SNAP25	1:1	97.7	390.6	50000	400000	2.1	14	23
PCARE	1:1	390.6	781.3	50000	100000	1.8	13	8
KRT8	1:1	24.4	195.3	400000	800000	3.3	13	28
ARID3A	1:1						12	
DEFB118	1:1	3125.0	6250.0	200000	800000	1.5	3	1
SMS	1:1	3125.0	3125.0	200000	400000	1.8	9	21
SCIN	1:1	48.8	48.8	25000	100000	2.7	12	16
FARSA	1:1	97.7	781.3	100000	200000	2.1	10	19
EPB41L5	1:1	781.3	1562.5	100000	400000	1.8	19	31
KLRC1	1:1	195.3	390.6	50000	100000	2.1	2	
TRIM40	1:1							
ADGRV1	1:1	781.3	781.3	100000	400000	2.1	19	34
SPTBN2	1:1	195.3	390.6	25000	100000	1.8	7	
CDH4	1:1	390.6	781.3	50000	200000	1.8	9	2
SAG	1:1	3125.0	3125.0	200000	400000	1.8		
BHLHE40	1:1	195.3	390.6	50000	400000	2.1	11	26
TXNL1	1:1						11	32
MICALL2	1:1	1562.5	1562.5	50000	800000	1.5	16	15
SOWAHA	1:1	781.3	1562.5	200000	800000	2.1	14	38
TDO2	1:1	12.2	48.8	12500	50000	2.4	12	16
OSTN	1:1	3125.0	3125.0	100000	200000	1.5	11	21
MN1	1:1	781.3	781.3	50000	800000	1.8	11	24
NLGN1	1:1	1562.5	1562.5	100000	800000	1.8	13	16
KCNH2	1:1	1562.5	1562.5	50000	400000	1.5	6	7
PFDN6	1:1	3125.0	6250.0	800000	800000	2.1	18	18
STX1B	1:1	390.6	1562.5	200000	800000	2.1	13	10
CUZD1	1:1	6.1	24.4	6250	50000	2.4	8	33
TPBGL	1:1	25000.0	25000.0	1600000	6400000	1.8	16	34
CHRM1	1:1	1562.5	3125.0	200000	800000	1.8	12	5
LRRC38	1:1	1562.5	3125.0	400000	800000	2.1	9	10
TBR1	1:1	1562.5	1562.5	200000	800000	2.1	6	
FRMD7	1:1	1562.5	1562.5	50000	800000	1.5	7	3
CD164L2	1:1	390.6	781.3	50000	200000	1.8		
GNGT1	1:1	390.6	390.6	25000	100000	1.8	11	14
HNF1A	1:1	6250.0	6250.0	400000	800000	1.8	9	8
PSMD5	1:1	390.6	390.6	100000	800000	2.4	11	13
MFAP3L	1:1						6	17

CASC3	1:1						10	21
DTX2	1:1	1562.5	3125.0	200000	800000	1.8	13	9
AMIGO1	1:1	781.3	781.3	25000	800000	1.5	11	21
ERC2	1:1	97.7	195.3	100000	200000	2.7	16	23
SLC44A4	1:1	195.3	390.6	100000	200000	2.4	5	
NLGN2	1:1	3125.0	3125.0	200000	800000	1.8	10	
CLNS1A	1:1	1562.5	1562.5	100000	800000	1.8	10	23
NAA80	1:1	781.3	3125.0	200000	400000	1.8	11	30
DDX25	1:1							
TMCO5A	1:1	390.6	1562.5	100000	200000	1.8	14	19
BATF	1:1	48.8	97.7	25000	50000	2.4	11	9
MSLNL	1:1	781.3	1562.5	100000	800000	1.8	11	16
PRKAG3	1:1	12500.0	12500.0	400000	1600000	1.5		
SEZ6	1:1	781.3	781.3	50000	200000	1.8	15	21
GBA	1:1	50000.0	50000.0	1600000	6400000	1.5		
SV2A	1:1	195.3	390.6	100000	400000	2.4	19	29
PTH	1:1							
IFT20	1:1	781.3	781.3	25000	100000	1.5	12	13
RRAS	1:1	390.6	390.6	100000	200000	2.4	16	30
LRP2	1:1	1562.5	1562.5	100000	800000	1.8	23	34
RPGR	1:1	781.3	781.3	50000	200000	1.8	15	16
CLGN	1:1	6.1	48.8	25000	50000	2.7	16	22
FZD8	1:1						22	13
KLF4	1:1	781.3	1562.5	200000	800000	2.1	12	14
SCN3B	1:1	6250.0	6250.0	800000	800000	2.1		
GLP1R	1:1							
TSPAN7	1:1						11	
IMPG1	1:1	781.3	1562.5	100000	400000	1.8	10	10
VAV3	1:1	97.7	195.3	25000	100000	2.1	7	19
SH3BGRL2	1:1	6250.0	12500.0	800000	3200000	1.8	13	28
AIDA	1:1							
AKR1B10	1:1	6250.0	6250.0	200000	800000	1.5	16	
EFNB2	1:1	390.6	781.3	100000	800000	2.1	22	17
DCC	1:1						11	11
CAMLG	1:1	781.3	1562.5	100000	200000	1.8	12	26
SCT	1:1						9	26
LYSMD3	1:1	97.7	195.3	100000	400000	2.7	14	39
CHM	1:1	195.3	390.6	25000	100000	1.8		
SPACA5	1:1	12.2	24.4	6250	25000	2.4	9	11
MYO6	1:1						8	23
NFIC	1:1	3125.0	3125.0	800000	800000	2.4	10	19
S100A14	1:1	195.3	390.6	50000	400000	2.1	10	17
KLHL41	1:1	390.6	390.6	200000	400000	2.7	14	20
CDK5RAP3	1:1						12	16
RBFOX3	1:1	24.4	48.8	6250	100000	2.1	9	10
LRP2BP	1:1						10	11
LRTM1	1:1	3125.0	3125.0	100000	200000	1.5	9	20
UROS	1:1	195.3	390.6	25000	800000	1.8		
COL28A1	1:1	781.3	781.3	100000	400000	2.1	13	20

NRN1	1:1						6	
TEX101	1:1	12.2	24.4	6250	25000	2.4	12	19
TPSD1	1:1	195.3	390.6	50000	200000	2.1	12	14
SOX9	1:1	781.3	1562.5	100000	400000	1.8	16	
PDRG1	1:1	3125.0	3125.0	100000	800000	1.5	14	19
RBP1	1:1	390.6	781.3	50000	800000	1.8	12	20
DIPK1C	1:1	3125.0	3125.0	200000	800000	1.8	10	22
ATXN2L	1:1	3125.0	3125.0	400000	800000	2.1	7	11
SPAG1	1:1						11	15
SORBS1	1:1	1562.5	1562.5	50000	200000	1.5	6	17
DLGAP5	1:1	195.3	195.3	50000	400000	2.4	6	23
FBN2	1:1							
CCDC28A	1:1							
TTF2	1:1	390.6	390.6	25000	100000	1.8		
SEPTIN3	1:1	781.3	1562.5	800000	800000	2.7	7	18
ARFIP1	1:1	390.6	1562.5	400000	800000	2.4	13	29
RAC3	1:1						9	11
AP2B1	1:1						12	20
CIT	1:1	48.8	48.8	25000	100000	2.7	15	30
SCN2B	1:1	781.3	1562.5	100000	800000	1.8		
MAG	1:1						19	22
GTPBP2	1:1	781.3	781.3	50000	200000	1.8	12	24
DDX53	1:1	390.6	781.3	100000	800000	2.1	12	
PAFAH1B3	1:1	6250.0	6250.0	800000	800000	2.1	10	
PMS1	1:1	48.8	97.7	12500	50000	2.1	21	24
PPT1	1:1	3125.0	3125.0	200000	800000	1.8	9	26
MDM1	1:1	1562.5	1562.5	100000	200000	1.8	11	19
LETM1	1:1	781.3	781.3	50000	200000	1.8	11	22
DNM3	1:1	390.6	390.6	100000	800000	2.4	9	22
SLA2	1:1	3125.0	6250.0	800000	800000	2.1	10	35
TSC22D1	1:1	390.6	390.6	25000	100000	1.8	13	19
CCDC50	1:1	781.3	1562.5	400000	800000	2.4	10	13
TMEM25	1:1	97.7	97.7	25000	100000	2.4	9	11
LMOD1	1:1	24.4	48.8	12500	50000	2.4	8	23
FTCD	1:1	781.3	3125.0	100000	800000	1.5	5	19
GPR158	1:1	781.3	781.3	50000	200000	1.8	9	9
VWC2L	1:1	48.8	97.7	12500	50000	2.1	9	16
SAFB2	1:1	781.3	1562.5	100000	400000	1.8	9	10
ARHGEF1	1:1	12500.0	12500.0	6400000	12800000	2.7	6	23
PPP1R14A	1:1						11	32
PCBP2	1:1	25000.0	25000.0	800000	3200000	1.5	7	23
EDF1	1:1						13	22
PHACTR2	1:1	781.3	781.3	100000	800000	2.1		
GNAS	1:1						7	25
GART	1:1	781.3	1562.5	50000	200000	1.5	5	23
C1QBP	1:1	48.8	195.3	50000	100000	2.4	8	12
GOLGA3	1:1	781.3	781.3	400000	800000	2.7	10	17
RNASEH2A	1:1	1562.5	3125.0	400000	800000	2.1	9	21
EIF4G3	1:1	1562.5	6250.0	400000	800000	1.8	11	21

HNRNPUL1	1:1	97.7	195.3	25000	50000	2.1	7	15
MCEE	1:1	6250.0	6250.0	400000	800000	1.8	11	12
LCN15	1:1	97.7	390.6	100000	400000	2.4	8	12
SUOX	1:1	97.7	390.6	50000	100000	2.1	9	18
SATB1	1:1	195.3	390.6	100000	400000	2.4	7	7
RLN1	1:1	1562.5	6250.0	400000	800000	1.8	5	26
RTN4IP1	1:1	781.3	781.3	200000	800000	2.4	8	35
REEP4	1:1	195.3	390.6	100000	800000	2.4	6	9
DSCAM	1:1	195.3	195.3	50000	200000	2.4	9	7
MYCBP2	1:1	390.6	390.6	100000	800000	2.4	9	20
ELAC1	1:1	390.6	390.6	50000	400000	2.1	9	25
MRPL58	1:1	781.3	1562.5	50000	800000	1.5	12	22
FGD3	1:1	97.7	195.3	25000	100000	2.1	15	30
NARS1	1:1						11	10
AKT2	1:1	6250.0	12500.0	800000	800000	1.8		
S100G	1:1	97.7	195.3	25000	200000	2.1	10	14
IDO1	1:1	195.3	390.6	200000	400000	2.7	14	12
PSMD1	1:1						15	26
C1QTNF6	1:1	1562.5	1562.5	200000	800000	2.1	14	30
CAMSAP1	1:1	97.7	195.3	25000	100000	2.1	11	29
DHRS4L2	1:1	781.3	781.3	200000	800000	2.4	6	11
STX3	1:1	1562.5	1562.5	200000	800000	2.1	7	5
SYT1	1:1	195.3	195.3	50000	800000	2.4	7	10
PLEKHO1	1:1	1562.5	6250.0	400000	800000	1.8	8	16
OPHN1	1:1	3125.0	3125.0	200000	800000	1.8	9	21
SPTLC1	1:1	1562.5	3125.0	800000	800000	2.4	7	12
OSBPL2	1:1	781.3	1562.5	200000	800000	2.1	5	7
USP28	1:1	195.3	390.6	100000	400000	2.4	8	8
GAST	1:1						6	30
DLG4	1:1	195.3	390.6	25000	100000	1.8	8	11
KLRK1	1:1	48.8	97.7	25000	50000	2.4	10	13
DXO	1:1	97.7	97.7	6250	25000	1.8	6	16
SEPTIN8	1:1	195.3	390.6	200000	800000	2.7	5	9
MTHFD2	1:1	195.3	195.3	12500	50000	1.8	6	15
CCAR2	1:1	781.3	1562.5	400000	800000	2.4	9	16
CDAN1	1:1	50000.0	50000.0	3200000	12800000	1.8		
TAX1BP1	1:1	24.4	24.4	12500	25000	2.7	6	11
CDH23	1:1	1562.5	3125.0	100000	800000	1.5	8	13
MORC3	1:1	1562.5	3125.0	800000	800000	2.4	5	5
CRYBB2	1:1	97.7	195.3	100000	400000	2.7	6	14
ALDH5A1	1:1	3125.0	6250.0	200000	400000	1.5	11	15
FKBP14	1:1	781.3	781.3	25000	100000	1.5	9	33
SCRIB	1:1	390.6	781.3	50000	400000	1.8	10	24
EFHD1	1:1	195.3	390.6	50000	200000	2.1	9	15
DDHD2	1:1	195.3	390.6	25000	100000	1.8	7	16
BRSK2	1:1	3125.0	3125.0	100000	400000	1.5	8	21
PCDH12	1:1						6	8
GFRAL	1:1	12.2	24.4	12500	50000	2.7	7	17
FNDC1	1:1						8	17

CAPS	1:1	48.8	48.8	12500	200000	2.4	7	9
EIF1AX	1:1						12	25
PRND	1:1	48.8	48.8	12500	25000	2.4	3	13
PNLIPRP1	1:1						9	22
PTPRR	1:1	48.8	48.8	25000	100000	2.7	6	10
TXNDC9	1:1	6250.0	6250.0	200000	800000	1.5	5	17
TNIP1	1:1	97.7	195.3	25000	200000	2.1	4	12
PRKAR2A	1:1	781.3	1562.5	400000	800000	2.4	4	13
CALCB	1:1	195.3	195.3	200000	800000	3.0	8	10
DNPEP	1:1	390.6	390.6	50000	400000	2.1	3	19
AP3S2	1:1	25000.0	25000.0	3200000	12800000	2.1	7	11
CHCHD10	1:1	195.3	195.3	6250	25000	1.5	10	19
NGRN	1:1	781.3	781.3	200000	400000	2.4	6	7
PLXDC2	1:1	781.3	781.3	50000	400000	1.8	10	19
NAPRT	1:1						6	9
YAPI	1:1	781.3	1562.5	50000	100000	1.5	6	9
NT5C1A	1:1	97.7	97.7	6250	25000	1.8	6	11
IMPACT	1:1	390.6	781.3	100000	400000	2.1	3	11
DOK1	1:1	6250.0	6250.0	200000	800000	1.5		
PLB1	1:1	97.7	97.7	12500	100000	2.1	9	21
TMPRSS11D	1:1	12.2	24.4	6250	25000	2.4	8	8
LMNB2	1:1	1562.5	1562.5	800000	800000	2.7	6	13
FGFBP3	1:1	390.6	390.6	12500	50000	1.5	7	8
DNAJC21	1:1	390.6	390.6	25000	100000	1.8	11	17
HHEX	1:1	6.1	6.1	6250	25000	3.0	7	26
BLOC1S3	1:1	781.3	1562.5	50000	200000	1.5	7	17
HSD17B14	1:1	390.6	781.3	200000	800000	2.4	6	22
GBP1	1:1	3125.0	3125.0	3200000	6400000	3.0	14	25
WASHC3	1:1	195.3	390.6	25000	200000	1.8	5	17
VSNL1	1:1	195.3	390.6	25000	100000	1.8	7	17
PRSS53	1:1	3.1	6.1	12500	25000	3.3	7	10
CASP7	1:1						7	19
INSL3	1:1							
KIAA0319	1:1	195.3	195.3	25000	100000	2.1	7	11
ESYT2	1:1	6250.0	12500.0	800000	800000	1.8	9	18
MAP2	1:1	25000.0	50000.0	1600000	6400000	1.5	5	10
C7orf50	1:1						5	7
HDGFL2	1:1						10	14
SNRPB2	1:1	390.6	781.3	50000	400000	1.8	9	13
CLSTN3	1:1	3125.0	6250.0	200000	800000	1.5	6	15
SPRR3	1:1						12	18
GSTT2B	1:1	48.8	48.8	12500	100000	2.4	5	39
PALM2	1:1	390.6	781.3	50000	400000	1.8	5	9
HIP1R	1:1						7	10
PLSCR3	1:1	1562.5	1562.5	200000	800000	2.1	7	16
GCC1	1:1	97.7	195.3	50000	200000	2.4	4	36
KCTD5	1:1	97.7	195.3	50000	100000	2.4	8	11
CRYGD	1:1	3.1	24.4	3125	25000	2.1	5	15
ATXN3	1:1	1562.5	3125.0	100000	800000	1.5	6	13

BAP18	1:1	195.3	390.6	50000	200000	2.1	7	22
HEPACAM2	1:1	390.6	390.6	50000	400000	2.1	7	26
TIMM8A	1:1	390.6	781.3	50000	100000	1.8	10	27
GIPC2	1:1	195.3	195.3	25000	100000	2.1	7	8
SMTN	1:1	1562.5	1562.5	50000	400000	1.5	5	12
BCL2L1	1:1							
PLCB2	1:1	390.6	781.3	50000	200000	1.8		
CTRL	1:1	97.7	97.7	12500	25000	2.1	7	22
MINK1	1:1							
AK2	1:1						11	37
SH3GLB2	1:1						6	16
ACAA1	1:1	1562.5	3125.0	400000	800000	2.1	14	20
ITGB1BP1	1:1						11	14
BAMBI	1:1						7	33
LYAR	1:1						9	32
VNN2	1:1	781.3	781.3	200000	800000	2.4	6	10
LRP1	1:1	12.2	24.4	12500	50000	2.7	9	11
AARSD1	1:1	48.8	195.3	200000	400000	3.0	8	16
CES3	1:1	195.3	390.6	200000	400000	2.7	9	53
LHB	1:1	6250.0	12500.0	800000	1600000	1.8	10	16
CALB1	1:1	0.8	1.5	6250	25000	3.6	8	13
IGF1R	1:1	97.7	195.3	100000	800000	2.7	6	12
ABL1	1:1	12.2	24.4	50000	200000	3.3	9	11
KAZALD1	1:1	97.7	195.3	100000	200000	2.7	7	11
ERP44	1:1	97.7	195.3	100000	400000	2.7	7	10
ELOA	1:1	3.1	6.1	12500	50000	3.3	7	10
GRPEL1	1:1	12.2	24.4	50000	200000	3.3	7	13
UBAC1	1:1	48.8	195.3	25000	800000	2.1	10	11
SEMA4C	1:1	24.4	48.8	50000	800000	3.0	10	8
PODXL	1:1	97.7	195.3	12500	100000	1.8	8	8
DKKL1	1:1	48.8	97.7	50000	800000	2.7	8	11
APBB1IP	1:1	195.3	390.6	100000	400000	2.4	10	10
PRDX6	1:1						6	15
RBP5	1:1	97.7	195.3	12500	50000	1.8	8	11
XCL1	1:1						4	7
FGF21	1:1	12.2	24.4	25000	200000	3.0	4	5
CBLN4	1:1	97.7	195.3	200000	800000	3.0	4	27
EBI3_IL27	1:1	97.7	390.6	400000	800000	3.0	3	8
F3	1:1	0.8	1.5	6250	25000	3.6	7	4
ITGAV	1:1	48.8	97.7	12500	100000	2.1	3	4
POLR2F	1:1	12.2	24.4	6250	12500	2.4	10	11
RILP	1:1	24.4	48.8	25000	50000	2.7	5	4
METAP2	1:1	781.3	1562.5	200000	800000	2.1	4	8
CRNN	1:1	1.5	3.1	6250	12500	3.3	3	4
CASP8	1:1	0.8	1.5	6250	12500	3.6	6	13
FUS	1:1	100000.0	100000.0	6400000	12800000	1.8	8	16
BIRC2	1:1	24.4	195.3	50000	200000	2.4	11	24
BAIAP2	1:1						9	11
CLEC6A	1:1	1.5	3.1	6250	12500	3.3	10	18

CCL8	1:1	0.8	1.5	1563	6250	3.0	4	5
LEFTY2	1:1						4	10
RTBDN	1:1	97.7	195.3	50000	200000	2.4	9	14
HBEGF	1:1	0.8	1.5	3125	12500	3.3	4	4
WIF1	1:1	48.8	48.8	25000	400000	2.7	4	6
DPP6	1:1	97.7	195.3	200000	800000	3.0	9	13
SMAD5	1:1	195.3	390.6	25000	200000	1.8	8	12
SIGLEC6	1:1	12.2	24.4	25000	200000	3.0	3	5
DSG4	1:1	12.2	24.4	6250	25000	2.4	6	11
ADM	1:1	781.3	1562.5	400000	800000	2.4	4	8
PPM1A	1:1	390.6	781.3	50000	200000	1.8	8	14
MAEA	1:1						9	42
TNF	1:1	6.1	12.2	12500	100000	3.0	7	20
RUVBL1	1:1	781.3	3125.0	400000	800000	2.1	11	15
ARHGAP25	1:1	195.3	390.6	100000	800000	2.4	10	16
CRH	1:1	1562.5	3125.0	400000	800000	2.1	12	27
PLXDC1	1:1	48.8	97.7	25000	200000	2.4	12	14
CRACR2A	1:1	24.4	195.3	25000	200000	2.1	11	16
CCN4	1:1	12.2	24.4	6250	25000	2.4	3	4
PRTG	1:1	6.1	12.2	6250	100000	2.7	5	6
SORD	1:1						6	11
DDX58	1:1	1562.5	3125.0	800000	800000	2.4	8	13
EGFL7	1:1						11	18
GFAP	1:1	97.7	195.3	400000	800000	3.3	14	23
FCGR2B	1:1						12	27
GFER	1:1	781.3	1562.5	100000	800000	1.8	9	17
CDKN2D	1:1						8	23
AKT3	1:1	48.8	97.7	50000	200000	2.7	9	24
SCP2	1:1	24.4	195.3	100000	200000	2.7	12	12
KIR2DL3	1:1	24.4	195.3	25000	200000	2.1	9	18
RRM2	1:1	390.6	781.3	50000	400000	1.8	11	20
FEN1	1:1						11	25
HGS	1:1	3125.0	6250.0	800000	800000	2.1	11	19
PDGFC	1:1	195.3	781.3	100000	800000	2.1	10	16
ZBTB16	1:1	24.4	48.8	50000	200000	3.0	9	18
CCT5	1:1						9	38
RANGAP1	1:1	6250.0	6250.0	1600000	12800000	2.4	10	11
PRKRA	1:1	3125.0	6250.0	400000	800000	1.8	11	15
LYPD8	1:1	24.4	48.8	25000	200000	2.7	10	16
MAP3K5	1:1	6250.0	6250.0	1600000	12800000	2.4	13	21
GH2	1:1	390.6	781.3	100000	200000	2.1	14	19
MZT1	1:1	48.8	195.3	50000	100000	2.4	9	27
SLAMF6	1:1	390.6	781.3	50000	800000	1.8	13	13
KIR3DL1	1:1	6.1	12.2	50000	100000	3.6	15	35
STX6	1:1	390.6	781.3	100000	800000	2.1	11	13
PQBP1	1:1	195.3	390.6	50000	200000	2.1	8	22
BTC	1:1	3.1	6.1	3125	12500	2.7	10	20
SFTPA1	1:1	3125.0	3125.0	100000	400000	1.5	10	29
VTCN1	1:1	24.4	48.8	50000	200000	3.0	11	41

NTF4	1:1	6.1	12.2	6250	200000	2.7	7	26
KLK12	1:1	24.4	48.8	12500	100000	2.4	8	19
ANKRD54	1:1	97.7	195.3	100000	200000	2.7	9	15
RAD23B	1:1	1562.5	3125.0	400000	800000	2.1	12	16
FCRLB	1:1	97.7	195.3	50000	200000	2.4	11	17
NINJ1	1:1	97.7	195.3	100000	800000	2.7	11	20
UXS1	1:1	1562.5	3125.0	800000	800000	2.4	8	22
ADCYAP1R1	1:1	24.4	48.8	6250	800000	2.1	8	9
ATP6AP2	1:1						12	14
SMAD1	1:1	48.8	195.3	400000	800000	3.3	14	24
CEP20	1:1	24.4	48.8	100000	800000	3.3	10	23
ARHGAP1	1:1	24.4	97.7	12500	50000	2.1	8	15
RASSF2	1:1	195.3	390.6	100000	800000	2.4	10	18
PSRC1	1:1						9	16
CEACAM5	1:1						15	23
SFTPA2	1:1	195.3	781.3	100000	200000	2.1	12	15
STX16	1:1						10	20
RABEPK	1:1	1562.5	3125.0	800000	6400000	2.4	10	11
SH2B3	1:1	781.3	1562.5	100000	800000	1.8	9	16
PSMA1	1:1	6250.0	12500.0	400000	800000	1.5	15	35
RNF41	1:1	312.5	625.0	320000	640000	2.7	10	11
CA11	1:1	1562.5	3125.0	400000	800000	2.1	11	18
LTBP3	1:1	97.7	195.3	25000	100000	2.1	11	27
GSAP	1:1						10	18
RARRES1	1:1	97.7	781.3	100000	800000	2.1	10	14
BGN	1:1	24.4	48.8	25000	100000	2.7	14	21
RRM2B	1:1						12	28
PDP1	1:1						8	16
MAGED1	1:1	3.1	3.1	1563	12500	2.7	9	54
CAMKK1	1:1	97.7	195.3	25000	200000	2.1	11	21
MAVS	1:1	390.6	781.3	100000	800000	2.1	10	13
FES	1:1	6250.0	12500.0	400000	800000	1.5	5	
LSM1	1:1	48.8	195.3	25000	100000	2.1	9	43
NAMPT	1:1	3125.0	3125.0	800000	1600000	2.4	13	16
NDUFS6	1:1	48.8	97.7	25000	100000	2.4	11	20
TBL1X	1:1	24.4	48.8	12500	100000	2.4	11	19
FLI1	1:1	1.5	3.1	1563	3125	2.7	7	37
IKZF2	1:1	6.1	6.1	6250	25000	3.0	8	21
FMR1	1:1	97.7	97.7	200000	800000	3.3	8	18
TP53	1:1	781.3	1562.5	400000	800000	2.4	10	23
CHAC2	1:1	97.7	195.3	50000	200000	2.4	7	19
TACC3	1:1	24.4	195.3	25000	800000	2.1	8	25
MPI	1:1	195.3	390.6	200000	800000	2.7	9	12
ATG4A	1:1	1562.5	3125.0	800000	800000	2.4	8	15
SORCS2	1:1	1562.5	1562.5	200000	800000	2.1	10	24
AKR1B1	1:1	1562.5	1562.5	400000	800000	2.4	11	18
FLT3	1:1	48.8	97.7	25000	100000	2.4	10	11
HS3ST3B1	1:1	390.6	781.3	400000	800000	2.7	8	12
ADAMTS15	1:1	195.3	781.3	200000	800000	2.4	9	14



CDHR2	1:1	3125.0	6250.0	800000	800000	2.1	7	12
IL6	1:1	0.8	1.5	3125	12500	3.3	9	8
LPCAT2	1:1						8	15
AIF1	1:1						11	20
CEACAM3	1:1						16	31
GNE	1:1	781.3	1562.5	400000	800000	2.4	8	11
ENTPD2	1:1	6.1	12.2	6250	25000	2.7	9	27
KRT18	1:1	6.1	12.2	12500	100000	3.0	7	11
AGR3	1:1	50000.0	50000.0	6400000	12800000	2.1	11	13
SUGT1	1:1						11	23
SLAMF8	1:1	6.1	48.8	6250	25000	2.1	10	18
TPMT	1:1	48.8	195.3	50000	200000	2.4	10	14
FOXO3	1:1	1562.5	6250.0	200000	400000	1.5	13	13
RP2	1:1	3125.0	6250.0	400000	800000	1.8	8	10
PSMD9	1:1	48.8	195.3	100000	400000	2.7	9	9
LAT2	1:1	781.3	1562.5	400000	800000	2.4	7	16
VPS53	1:1	97.7	195.3	50000	200000	2.4	8	9
CD207	1:1	48.8	48.8	50000	400000	3.0	10	13
SERPINA9	1:1	6.1	12.2	50000	200000	3.6	7	16
SF3B4	1:1	97.7	195.3	25000	100000	2.1	9	14
COX5B	1:1	97.7	195.3	50000	100000	2.4	5	14
STAT5B	1:1	24.4	48.8	200000	400000	3.6	14	20
CFC1	1:1	97.7	195.3	100000	200000	2.7	10	29
DPEP2	1:1	97.7	390.6	50000	400000	2.1	10	11
MME	1:1	24.4	48.8	25000	100000	2.7	9	9
TBC1D23	1:1	48.8	97.7	12500	25000	2.1	10	26
FLT1	1:1	781.3	1562.5	200000	400000	2.1	8	9
CD28	1:1	195.3	390.6	100000	800000	2.4	11	15
GSTA3	1:1	24.4	48.8	25000	100000	2.7	10	13
MED18	1:1						10	14
STXBP3	1:1						8	24
GFOD2	1:1	100000.0	400000.0	12800000	12800000	1.5	8	16
CEP85	1:1	87.9	175.8	45000	180000	2.4	9	31
NFKBIE	1:1	24.4	48.8	25000	200000	2.7	10	15
PDCD1LG2	1:1	24.4	97.7	6250	400000	1.8	9	12
DDAH1	1:1	97.7	390.6	100000	800000	2.4	11	11
SEPTIN9	1:1						7	9
CDC27	1:1	6.1	12.2	50000	200000	3.6	10	29
NPTN	1:1	390.6	781.3	50000	200000	1.8	12	15
AIFM1	1:1	97.7	195.3	25000	800000	2.1	11	8
SEZ6L2	1:1	48.8	195.3	100000	400000	2.7	7	7
IGSF3	1:1	6.1	12.2	25000	200000	3.3	8	6
PPME1	1:1	390.6	781.3	400000	800000	2.7	9	17
YES1	1:1	24.4	48.8	12500	50000	2.4	11	16
ARSB	1:1	48.8	195.3	100000	800000	2.7	8	12
ST3GAL1	1:1	3125.0	6250.0	800000	800000	2.1	9	8
DRG2	1:1	3125.0	6250.0	800000	800000	2.1	7	12
CD302	1:1	195.3	390.6	25000	800000	1.8	10	9
STX4	1:1	195.3	390.6	100000	800000	2.4	9	10

ERBIN	1:1	97.7	195.3	12500	25000	1.8	7	13
INPPL1	1:1	97.7	195.3	50000	100000	2.4	6	19
OMG	1:1	6.1	12.2	12500	25000	3.0	12	12
CD38	1:1	6.1	12.2	6250	25000	2.7	7	14
CTSV	1:1	24.4	48.8	6250	12500	2.1	4	6
TAF5A5	1:1	48.8	97.7	6250	25000	1.8	9	14
CPE	1:1	97.7	97.7	50000	800000	2.7	5	4
HPGDS	1:1	781.3	1562.5	400000	800000	2.4	10	12
KIFBP	1:1	390.6	781.3	400000	800000	2.7	11	19
DTX3	1:1	97.7	195.3	400000	800000	3.3	10	9
PFKFB2	1:1	97.7	195.3	400000	800000	3.3	8	13
OPTC	1:1	12.2	24.4	25000	100000	3.0	10	12
USO1	1:1	195.3	390.6	100000	400000	2.4	11	23
RET	1:1	24.4	48.8	25000	400000	2.7	8	10
LRRC25	1:1	6.1	24.4	12500	50000	2.7	9	11
VPS37A	1:1						8	10
AREG	1:1	1.5	3.1	6250	25000	3.3	8	10
LAG3	1:1						10	8
GALNT7	1:1	781.3	781.3	50000	800000	1.8	9	9
CCN1	1:1	48.8	97.7	25000	200000	2.4	9	9
ICOSLG	1:1	48.8	97.7	12500	800000	2.1	9	13
IQGAP2	1:1						10	17
CES2	1:1						10	13
FAM3B	1:1	97.7	195.3	12500	800000	1.8	6	10
ITGB7	1:1	12.2	48.8	50000	200000	3.0	4	6
KLK13	1:1	24.4	48.8	6250	50000	2.1	8	11
INPP1	1:1	1562.5	3125.0	400000	800000	2.1	11	29
CA12	1:1	24.4	48.8	12500	100000	2.4	9	11
SRP14	1:1	390.6	781.3	50000	800000	1.8	9	11
CDKN1A	1:1	390.6	781.3	400000	800000	2.7	9	12
DCTN2	1:1						11	9
SCAMP3	1:1	195.3	195.3	50000	400000	2.4	10	9
LYN	1:1	6.1	24.4	3125	6250	2.1	10	11
OGFR	1:1	48.8	97.7	200000	800000	3.3	10	10
GCG	1:1						15	31
NUDT2	1:1	97.7	195.3	12500	800000	1.8	8	13
ADGRG1	1:1	195.3	390.6	100000	400000	2.4	7	14
CNPY4	1:1	97.7	195.3	12500	800000	1.8	10	7
CDNF	1:1	12.2	12.2	12500	50000	3.0	9	10
EPHA2	1:1	12.2	24.4	25000	200000	3.0	7	9
ATP6V1D	1:1						2	8
GFRA2	1:1						9	9
IL12A_IL12B	1:1	24.4	48.8	12500	100000	2.4	8	12
GPA33	1:1	6.1	12.2	6250	12500	2.7	9	10
VAT1	1:1						9	12
FGF23	1:1	97.7	195.3	50000	200000	2.4	5	6
SLITRK2	1:1	24.4	48.8	200000	800000	3.6	4	6
TMPRSS15	1:1	48.8	195.3	25000	100000	2.1	9	9
KLK14	1:1						7	5

TRIAP1	1:1	48.8	97.7	25000	100000	2.4	4	3
CA14	1:1	6.1	12.2	50000	400000	3.6	4	4
GALNT10	1:1	781.3	1562.5	400000	800000	2.4	11	15
DPY30	1:1	48.8	97.7	6250	25000	1.8	5	4
MSLN	1:1						9	9
PDCD1	1:1	3.1	6.1	12500	25000	3.3	4	10
HAO1	1:1	97.7	195.3	400000	800000	3.3	4	7
ALPP	1:1	3.1	6.1	12500	50000	3.3	8	11
DNAJB1	1:1	3125.0	6250.0	800000	1600000	2.1	8	15
MUC16	1:1						14	22
CXCL8	1:1	0.2	0.4	1563	12500	3.6	5	4
ANGPTL7	1:1	48.8	97.7	25000	800000	2.4	3	5
MMP12	1:1	3.1	6.1	12500	100000	3.3	5	5
HBQ1	1:1						4	9
SCG2	1:1	97.7	195.3	200000	400000	3.0	4	5
RBP2	1:1	48.8	195.3	12500	25000	1.8	8	8
LTA4H	1:1	12500.0	25000.0	1600000	3200000	1.8	4	19
EDA2R	1:1	0.4	0.8	3125	12500	3.6	4	5
ARG1	1:1	390.6	781.3	50000	200000	1.8	4	8
SMOC1	1:1	781.3	1562.5	200000	800000	2.1	4	7
GCNT1	1:1	781.3	781.3	400000	800000	2.7	10	9
HSPB6	1:1	48.8	97.7	25000	400000	2.4	3	6
DCTN1	1:1	195.3	781.3	400000	800000	2.7	4	9
SIGLEC9	1:1	12.2	24.4	6250	25000	2.4	5	3
NPY	1:1	1562.5	3125.0	800000	800000	2.4	6	12
CLMP	1:1	24.4	48.8	12500	400000	2.4	3	8
LGALS7_LGALS7E	1:1	25000.0	25000.0	800000	1600000	1.5	6	13
SPINK6	1:1	12.2	24.4	12500	100000	2.7	3	5
CAPG	1:1	781.3	781.3	400000	800000	2.7	3	8
FXN	1:1	3125.0	6250.0	800000	800000	2.1	4	5
SIRT2	1:1	24.4	48.8	50000	100000	3.0	10	12
S100A12	1:1	781.3	1562.5	400000	800000	2.4	9	17
AMIGO2	1:1	48.8	195.3	12500	50000	1.8	9	7
DAB2	1:1	195.3	390.6	50000	200000	2.1	4	12
RSPO3	1:1	24.4	48.8	50000	200000	3.0	3	6
CD5	1:1	0.8	1.5	3125	12500	3.3	5	6
NUCB2	1:1	97.7	195.3	12500	400000	1.8	4	5
TNFRSF19	1:1	3.1	6.1	3125	12500	2.7	4	5
EPS8L2	1:1	97.7	195.3	100000	400000	2.7	4	4
DEFB4A_DEFB4B	1:1						12	12
KLK4	1:1	0.2	0.4	6250	25000	4.2	4	5
CALCOCO1	1:1	195.3	390.6	100000	400000	2.4	5	7
MOG	1:1	1.5	3.1	1563	3125	2.7	3	7
HMBS	1:1	390.6	781.3	200000	800000	2.4	5	8
VMO1	1:1	1562.5	3125.0	200000	800000	1.8	13	11
LRIG1	1:1	48.8	97.7	100000	800000	3.0	4	5
CA9	1:1	6.1	6.1	6250	50000	3.0	4	6
TACSTD2	1:1	1.5	3.1	6250	25000	3.3	5	5
HS6ST1	1:1	390.6	781.3	200000	400000	2.4	8	8

ACP6	1:1	12.2	24.4	50000	400000	3.3	5	5
SCLY	1:1	97.7	195.3	100000	800000	2.7	3	5
CRISP2	1:1	6.1	12.2	12500	200000	3.0	4	6
APEX1	1:1	6.1	12.2	6250	200000	2.7	3	5
CNTN2	1:1	24.4	48.8	12500	50000	2.4	4	5
RTN4R	1:1	48.8	97.7	200000	800000	3.3	4	7
NCS1	1:1	12.2	24.4	25000	400000	3.0	4	5
GALNT2	1:1	195.3	390.6	50000	400000	2.1	3	6
WFDC12	1:1	48.8	48.8	6250	12500	2.1	4	16
VWA1	1:1	48.8	195.3	400000	800000	3.3	4	4
HDGF	1:1	24.4	24.4	6250	25000	2.4	5	10
HAGH	1:1	781.3	781.3	200000	800000	2.4	6	14
CD300LF	1:1	12.2	48.8	12500	25000	2.4	6	6
AMBP	1:1	1562.5	12500.0	12800000	12800000	3.0	5	6
CPVL	1:1	97.7	390.6	200000	800000	2.7	4	7
CD300E	1:1	390.6	781.3	400000	800000	2.7	3	4
GPC1	1:1	195.3	390.6	100000	400000	2.4	3	3
GFRA1	1:1	24.4	48.8	50000	200000	3.0	3	4
IDUA	1:1	12.2	24.4	3125	12500	2.1	4	9
DSG3	1:1	3.1	6.1	6250	50000	3.0	6	5
HAVCR1	1:1	3.1	6.1	12500	50000	3.3	3	4
PVALB	1:1	12.2	12.2	6250	25000	2.7	9	9
ANGPT2	1:1	195.3	390.6	200000	800000	2.7	5	6
CD1C	1:10	97.7	195.3	25000	400000	2.1	8	12
WFDC2	1:10	12.2	24.4	25000	400000	3.0	7	6
XPNPEP2	1:10	12.2	48.8	50000	200000	3.0	6	6
CTSF	1:10	97.7	195.3	50000	400000	2.4	7	8
P4HB	1:10	24.4	24.4	12500	50000	2.7	8	13
CIAPIN1	1:10	195.3	390.6	200000	400000	2.7	6	8
FOLR3	1:10	0.2	0.4	12500	50000	4.5	6	10
TJAP1	1:10	195.3	390.6	400000	800000	3.0	6	6
PPP1R12A	1:10	97.7	195.3	25000	100000	2.1	9	22
TGFBR2	1:10	1.5	3.1	12500	25000	3.6	7	7
ERBB4	1:10	3.1	6.1	12500	50000	3.3	7	4
NELL1	1:10	48.8	97.7	200000	800000	3.3	7	7
NECTIN4	1:10	1.5	3.1	3125	12500	3.0	7	6
TXNDC15	1:10	48.8	97.7	25000	400000	2.4	8	10
MANSC1	1:10	48.8	97.7	50000	400000	2.7	6	9
MDK	1:10						8	14
SEZ6L	1:10	195.3	390.6	100000	400000	2.4	7	7
CDC37	1:10	390.6	781.3	100000	400000	2.1	8	23
PODXL2	1:10	48.8	97.7	25000	100000	2.4	8	13
C4BPB	1:10	6.1	12.2	12500	100000	3.0	8	6
NBL1	1:10	24.4	48.8	12500	25000	2.4	7	8
FLT4	1:10	781.3	1562.5	400000	800000	2.4	7	5
CD33	1:10	12.2	48.8	12500	50000	2.4	7	9
CPXM1	1:10	195.3	390.6	200000	400000	2.7	8	10
KDR	1:10	3.1	6.1	25000	50000	3.6	6	10
TEK	1:10	48.8	97.7	100000	400000	3.0	7	9

NT5E	1:10	6.1	12.2	25000	100000	3.3	7	8
SNAP29	1:10	48.8	97.7	100000	400000	3.0	12	13
SPARC	1:10	195.3	390.6	200000	800000	2.7	8	10
ADAMTS8	1:10	48.8	97.7	50000	200000	2.7	7	8
LICAM	1:10	97.7	195.3	100000	400000	2.7	6	8
HTRA2	1:10	12.2	24.4	12500	25000	2.7	10	10
DCXR	1:10	195.3	390.6	100000	800000	2.4	5	8
SIAE	1:10	195.3	390.6	50000	400000	2.1	6	5
PLA2G15	1:10	24.4	48.8	50000	400000	3.0	7	6
FGFR2	1:10	12.2	24.4	25000	400000	3.0	6	6
FGFBP1	1:10						7	8
TNFRSF12A	1:10	97.7	195.3	200000	800000	3.0	9	11
ATOX1	1:10	48.8	97.7	12500	800000	2.1	9	15
DCBLD2	1:10	6.1	12.2	12500	50000	3.0	8	7
IL13RA1	1:10	24.4	48.8	12500	25000	2.4	6	9
PPY	1:10	97.7	97.7	12500	50000	2.1	7	12
CEACAM1	1:10	6.1	12.2	25000	400000	3.3	8	8
S100A4	1:10						8	12
CREG1	1:10	97.7	195.3	25000	400000	2.1	6	12
FURIN	1:10	48.8	97.7	50000	100000	2.7	7	7
TFPI2	1:10	0.8	1.5	6250	12500	3.6	7	8
ITGB5	1:10	97.7	195.3	100000	400000	2.7	8	14
FOLR1	1:10	0.8	1.5	3125	12500	3.3	8	9
KLK8	1:10	3.1	6.1	6250	25000	3.0	7	11
MSRA	1:10	0.8	1.5	391	1563	2.4	7	9
CD27	1:10	24.4	48.8	25000	100000	2.7	7	8
KLK1	1:10	1.5	3.1	6250	25000	3.3	7	8
SRC	1:10	24.4	48.8	12500	25000	2.4	7	14
KLK10	1:10	24.4	48.8	25000	50000	2.7	8	25
LYPD3	1:10	6.1	12.2	6250	25000	2.7	6	15
DLL1	1:10	6.1	12.2	50000	100000	3.6	7	9
VEGFC	1:10	97.7	97.7	12500	400000	2.1	11	13
ERBB2	1:10	1.5	3.1	12500	50000	3.6	7	8
MIA	1:10	31.7	63.5	65000	130000	3.0	6	6
KLK11	1:10	48.8	97.7	25000	100000	2.4	7	40
KLK6	1:10	1.5	12.2	3125	12500	2.4	7	5
GAGE2A	1:1	97.7	195.3	12500	400000	1.8	10	4
CLASP1	1:1							
LYZL2	1:1	6.1	12.2	1563	25000	2.1	9	23
MAPRE3	1:1						2	3
SLC28A1	1:1						5	11
GATA3	1:1	100000.0	200000.0	6400000	12800000	1.5		
MANEAL	1:1						16	28
KIR3DL2	1:1	390.6	781.3	100000	400000	2.1	8	19
MYH7B	1:1	390.6	781.3	50000	400000	1.8	15	4
CDC25A	1:1	390.6	781.3	50000	100000	1.8	6	
UNC79	1:1	781.3	781.3	100000	400000	2.1	14	20
PDE1C	1:1						9	21
PCNA	1:1	6250.0	6250.0	400000	3200000	1.8	3	

DTNB	1:1	97.7	97.7	12500	50000	2.1	12	13
LAMTOR5	1:1						9	13
TSPAN8	1:1	3.1	12.2	6250	25000	2.7	4	25
OGA	1:1	1562.5	3125.0	200000	800000	1.8	8	15
ADAM9	1:1	25000.0	25000.0	1600000	3200000	1.8	9	19
CD101	1:1	390.6	781.3	200000	800000	2.4	6	15
CDC26	1:1	1562.5	1562.5	50000	800000	1.5	6	40
DDX1	1:1						9	15
PALM	1:1	195.3	195.3	12500	50000	1.8	6	6
GPR15L	1:1						10	18
NFU1	1:1	48.8	97.7	100000	400000	3.0		
PBK	1:1	97.7	195.3	100000	400000	2.7	8	8
GIMAP8	1:1	195.3	390.6	25000	200000	1.8	16	21
HMMR	1:1	3125.0	6250.0	800000	800000	2.1	9	13
CLINT1	1:1	6250.0	12500.0	800000	800000	1.8	9	21
SLIRP	1:1						12	22
BEX3	1:1	195.3	390.6	25000	100000	1.8		
PHLDB2	1:1						13	21
NMRK2	1:1							
ANKRA2	1:1							
CREB3	1:1	195.3	390.6	25000	800000	1.8	12	7
GJA8	1:1	3125.0	3125.0	200000	800000	1.8		
SMC3	1:1						9	
MAPK13	1:1	6250.0	6250.0	800000	800000	2.1	0.2	
CDK1	1:1						15	8
JMJD1C	1:1	1562.5	3125.0	200000	800000	1.8	4	14
CYB5A	1:1	195.3	390.6	50000	400000	2.1	11	18
SLC34A3	1:1	1562.5	3125.0	200000	800000	1.8	11	
CPLX2	1:1	781.3	1562.5	100000	400000	1.8		
SPRING1	1:1						13	19
PRAME	1:1						5	
MUCL3	1:1	390.6	390.6	25000	100000	1.8	10	18
STOML2	1:1						11	8
ZP4	1:1	24.4	97.7	12500	50000	2.1	1	
IGLON5	1:1	781.3	1562.5	200000	800000	2.1	8	14
BTNL10	1:1	3125.0	3125.0	200000	800000	1.8		
GAD1	1:1	6250.0	12500.0	800000	800000	1.8		
PDCL2	1:1	195.3	390.6	50000	200000	2.1	11	8
BSND	1:1	195.3	390.6	25000	200000	1.8		
ATF4	1:1	48.8	48.8	6250	400000	2.1	12	
VWA5A	1:1	781.3	1562.5	100000	400000	1.8	10	17
DNAJA1	1:1						0.3	
FGF9	1:1						1	
IZUMO1	1:1	97.7	195.3	200000	800000	3.0		
ARHGAP5	1:1						9	14
TRIM26	1:1							
MORF4L2	1:1	781.3	781.3	50000	400000	1.8	11	11
VCPKMT	1:1						8	23
ESPL1	1:1	390.6	781.3	50000	400000	1.8	11	18

PSMC3	1:1							
CREBZF	1:1	6250.0	6250.0	80000	80000	2.1		
CYTH3	1:1	781.3	781.3	50000	400000	1.8		
IL25	1:1	195.3	390.6	100000	400000	2.4	4	
KHDC3L	1:1						12	21
BCL7A	1:1	781.3	781.3	50000	800000	1.8		
TMOD4	1:1	1562.5	3125.0	200000	800000	1.8	7	
CDC123	1:1	1562.5	1562.5	100000	800000	1.8	16	
MORN4	1:1	390.6	390.6	100000	400000	2.4	10	20
SSH3	1:1	6250.0	12500.0	800000	3200000	1.8	9	3
REST	1:1						8	28
CEP152	1:1	97.7	195.3	25000	50000	2.1	16	36
PITHD1	1:1	1562.5	1562.5	100000	400000	1.8	7	20
NEK7	1:1	6250.0	6250.0	800000	800000	2.1	9	15
CEACAM18	1:1	195.3	390.6	50000	200000	2.1	10	12
EPN1	1:1						11	20
CEP350	1:1						18	
FOS	1:1	48.8	97.7	50000	200000	2.7		
FGF7	1:1	195.3	195.3	12500	800000	1.8	14	13
SHC1	1:1							
IL3	1:1	195.3	781.3	200000	800000	2.4		
EVI2B	1:1	781.3	1562.5	100000	400000	1.8	8	16
PDXDC1	1:1	3125.0	3125.0	200000	400000	1.8		
ATP1B4	1:1						14	12
DCUN1D2	1:1	1562.5	1562.5	100000	800000	1.8	2	
TAGLN3	1:1						15	
H2AP	1:1	97.7	195.3	25000	50000	2.1		
TOP1MT	1:1	3125.0	6250.0	400000	800000	1.8	9	10
TPRKB	1:1	3125.0	6250.0	400000	3200000	1.8	11	
GRSF1	1:1	390.6	781.3	50000	100000	1.8	16	21
DCDC2C	1:1	48.8	97.7	25000	100000	2.4		
RBM25	1:1	3125.0	3125.0	200000	800000	1.8	4	
BTLA	1:1	195.3	195.3	12500	50000	1.8	18	33
THAP12	1:1	48.8	97.7	25000	100000	2.4	14	26
MRPL52	1:1						8	
ERCC1	1:1	781.3	3125.0	200000	800000	1.8		
DCLRE1C	1:1						12	
PDIA2	1:1	781.3	1562.5	200000	800000	2.1	13	18
GABARAPL1	1:1							
PAIP2B	1:1						19	18
RASGRF1	1:1	97.7	195.3	25000	50000	2.1		
PFDN4	1:1						14	22
RAD51	1:1	24.4	97.7	50000	200000	2.7	7	
MORF4L1	1:1							
PDIA5	1:1						14	31
CD82	1:1	195.3	390.6	25000	50000	1.8	13	15
MLLT1	1:1	781.3	781.3	100000	800000	2.1	21	
STAU1	1:1						9	17
COL9A2	1:1	3125.0	6250.0	400000	800000	1.8	12	25

PPIE	1:1	1562.5	3125.0	400000	800000	2.1	14	6
NFKB2	1:1	195.3	390.6	25000	200000	1.8		
SHPK	1:1	1562.5	3125.0	200000	800000	1.8	12	11
TXK	1:1	6250.0	12500.0	800000	800000	1.8	8	25
RNF43	1:1	390.6	781.3	100000	400000	2.1	12	18
TLR2	1:1	195.3	390.6	100000	400000	2.4	16	30
HRAS	1:1	97.7	195.3	25000	50000	2.1	6	9
TAP1	1:1						10	3
CEP290	1:1	390.6	781.3	50000	100000	1.8	12	10
PAFAH2	1:1	3125.0	6250.0	400000	800000	1.8	14	17
GTF2IRD1	1:1	781.3	1562.5	100000	400000	1.8	8	13
GAS2	1:1	1562.5	1562.5	200000	800000	2.1	10	15
ID4	1:1	390.6	781.3	100000	200000	2.1	8	14
IFIT3	1:1	781.3	781.3	100000	200000	2.1	8	14
SLK	1:1						14	17
MAPKAPK2	1:1	1562.5	1562.5	200000	800000	2.1	13	16
UPK3BL1	1:1	195.3	390.6	25000	50000	1.8	9	16
CA7	1:1	1562.5	3125.0	400000	800000	2.1		
TMED1	1:1	12500.0	25000.0	800000	6400000	1.5	20	
ACADM	1:1						14	27
CASP4	1:1	97.7	195.3	200000	400000	3.0	10	24
TET2	1:1	195.3	390.6	25000	50000	1.8	12	12
ALMS1	1:1	390.6	390.6	25000	50000	1.8	14	34
TPPP2	1:1						12	9
TCP11	1:1	1562.5	1562.5	200000	800000	2.1	8	
VPS28	1:1	3125.0	6250.0	400000	800000	1.8	12	18
VSTM2B	1:1						5	21
OFD1	1:1						7	11
TRIM24	1:1	195.3	390.6	50000	100000	2.1	14	21
LSM8	1:1	6250.0	12500.0	800000	12800000	1.8	8	9
TEX33	1:1							
TK1	1:1						10	3
SEPTIN7	1:1						14	21
OGT	1:1	12500.0	25000.0	800000	800000	1.5	3	11
KIAA1549	1:1						20	14
SAT2	1:1	97.7	97.7	25000	50000	2.4	13	17
MTHFSD	1:1						15	34
PPP1R12B	1:1	781.3	781.3	50000	200000	1.8	17	20
ZNF75D	1:1	1562.5	3125.0	200000	800000	1.8	6	17
BRD1	1:1	1562.5	1562.5	100000	800000	1.8	13	
CD3E	1:1	97.7	195.3	100000	800000	2.7	15	
PARD3	1:1						12	
FUT1	1:1	3125.0	3125.0	200000	800000	1.8	11	14
ARAF	1:1	1562.5	1562.5	100000	800000	1.8	12	7
CTAG1A	1:1	48.8	97.7	25000	50000	2.4	17	
PRUNE2	1:1	195.3	390.6	50000	200000	2.1	14	17
SPRR1B	1:1						11	18
RGL2	1:1	390.6	390.6	25000	50000	1.8	13	33
IL9	1:1	48.8	97.7	12500	50000	2.1	11	12



GADD45B	1:1	3125.0	3125.0	200000	3200000	1.8	9	16
CEACAM20	1:1	48.8	97.7	25000	100000	2.4	11	16
SAP18	1:1	195.3	390.6	100000	400000	2.4	14	28
EFCAB2	1:1						13	13
RAPGEF2	1:1						15	8
DYNC1H1	1:1	195.3	390.6	100000	400000	2.4	6	11
GUCY2C	1:1	390.6	390.6	50000	200000	2.1	14	
LRRFIP1	1:1						11	21
ARHGAP30	1:1	3125.0	3125.0	200000	800000	1.8	16	
SERPINH1	1:1	6250.0	6250.0	400000	800000	1.8		
ZNF830	1:1	6250.0	6250.0	200000	800000	1.5	7	6
NENF	1:1	1562.5	3125.0	200000	800000	1.8	8	20
MTUS1	1:1	12.2	24.4	6250	50000	2.4	20	15
MAGEA3	1:1	781.3	1562.5	100000	800000	1.8		
RNF4	1:1							
AMOTL2	1:1	1562.5	3125.0	400000	800000	2.1	9	10
TIGIT	1:1	97.7	195.3	12500	200000	1.8	15	18
TRDMT1	1:1	97.7	195.3	100000	200000	2.7	14	26
CCND2	1:1	1562.5	3125.0	400000	800000	2.1	11	14
TARS1	1:1	3125.0	6250.0	800000	800000	2.1	7	19
CDH22	1:1	12500.0	12500.0	800000	3200000	1.8	10	36
ERII	1:1						11	35
S100A3	1:1	97.7	195.3	25000	50000	2.1	9	25
TAB2	1:1	3125.0	6250.0	400000	800000	1.8	14	22
COL4A4	1:1						19	
MAMDC4	1:1	48.8	97.7	25000	50000	2.4	6	18
SMAD2	1:1	25000.0	50000.0	3200000	12800000	1.8	8	13
TNPO1	1:1						12	9
KIAA1549L	1:1	1562.5	1562.5	100000	200000	1.8		
CENPJ	1:1	195.3	195.3	25000	50000	2.1		
ENSA	1:1	12500.0	12500.0	800000	1600000	1.8	12	25
ZNRF4	1:1	781.3	781.3	100000	200000	2.1	7	23
MNAT1	1:1	390.6	781.3	200000	800000	2.4	7	8
DHPS	1:1	781.3	781.3	25000	200000	1.5	13	20
EVPL	1:1	390.6	390.6	100000	200000	2.4	14	14
ARG2	1:1	100000.0	100000.0	6400000	12800000	1.8	9	14
FAM171B	1:1	195.3	390.6	100000	400000	2.4	9	8
GPRC5C	1:1	781.3	1562.5	400000	800000	2.4	11	20
IFIT1	1:1							
PTTG1	1:1	390.6	781.3	100000	800000	2.1	14	6
RAB44	1:1	1562.5	3125.0	200000	800000	1.8	12	19
CINP	1:1	6250.0	12500.0	1600000	6400000	2.1	8	19
PRC1	1:1	1562.5	3125.0	200000	800000	1.8	15	15
RCC1	1:1	390.6	781.3	50000	200000	1.8	8	12
ITGAX	1:1	1562.5	1562.5	100000	800000	1.8	9	37
SH3GL3	1:1	6250.0	6250.0	400000	800000	1.8		
RPE	1:1						12	18
CENPF	1:1	390.6	390.6	50000	200000	2.1	13	26
PKN3	1:1	1562.5	1562.5	200000	800000	2.1	17	12

AP1G2	1:1	12.2	48.8	25000	200000	2.7	8	15
ENOPH1	1:1						9	18
GPD1	1:1	3125.0	3125.0	200000	800000	1.8	8	25
WDR46	1:1	200000.0	200000.0	6400000	12800000	1.5	9	9
COMMD9	1:1	195.3	390.6	50000	200000	2.1	11	18
INSL4	1:1	97.7	195.3	25000	100000	2.1	14	17
ERN1	1:1	195.3	390.6	100000	200000	2.4	9	13
KIAA2013	1:1	12500.0	12500.0	800000	800000	1.8		
NDST1	1:1	195.3	390.6	50000	200000	2.1	9	14
VSIG2	1:1	195.3	195.3	6250	50000	1.5	11	13
DUSP13	1:1	781.3	781.3	50000	400000	1.8	10	29
LACRT	1:1	6250.0	6250.0	400000	3200000	1.8	10	25
WFDC1	1:1						11	12
IMMT	1:1	781.3	781.3	50000	800000	1.8	13	11
EDDM3B	1:1	24.4	48.8	3125	12500	1.8	11	33
UBE2B	1:1						7	11
SUSD4	1:1	48.8	48.8	25000	100000	2.7	14	13
SLC13A1	1:1						9	12
SMPDL3B	1:1	12500.0	12500.0	800000	3200000	1.8	9	16
FNTA	1:1	24.4	48.8	12500	50000	2.4	9	16
ALDH2	1:1	781.3	1562.5	100000	400000	1.8	5	27
RALY	1:1	781.3	781.3	100000	800000	2.1	11	13
AHSA1	1:1						11	9
NMI	1:1	195.3	390.6	200000	800000	2.7	12	22
LTB	1:1	390.6	390.6	50000	200000	2.1	9	18
LARP1	1:1	781.3	1562.5	200000	800000	2.1	13	21
PCDHB15	1:1	1562.5	3125.0	200000	800000	1.8	8	16
RFC4	1:1	781.3	1562.5	200000	800000	2.1	7	9
ACRBP	1:1	195.3	390.6	25000	100000	1.8	12	12
THTPA	1:1	195.3	390.6	25000	200000	1.8	7	25
SNX2	1:1						8	17
VPS4B	1:1	781.3	1562.5	100000	800000	1.8	7	32
EPGN	1:1	195.3	390.6	25000	100000	1.8	2	8
CAPN3	1:1	195.3	390.6	100000	800000	2.4	12	21
MINDY1	1:1							
NACC1	1:1	781.3	781.3	50000	200000	1.8	12	12
LUZP2	1:1	195.3	390.6	25000	800000	1.8	11	10
RAB2B	1:1	3125.0	3125.0	200000	800000	1.8	12	21
TDP1	1:1	195.3	390.6	25000	200000	1.8	19	36
PXDNL	1:1	781.3	781.3	50000	400000	1.8	12	21
GLYR1	1:1						10	17
REG3G	1:1						18	13
TG	1:1	6.1	12.2	3125	12500	2.4	8	16
IL22	1:1	12.2	24.4	6250	25000	2.4	13	15
VSIG10	1:1	195.3	390.6	100000	400000	2.4	11	14
BTN1A1	1:1	3.1	6.1	3125	25000	2.7	13	14
IL2RG	1:1	390.6	781.3	50000	800000	1.8	12	13
CMIP	1:1	6250.0	12500.0	800000	3200000	1.8	8	16
YJU2	1:1	781.3	781.3	50000	200000	1.8	12	13

PPP1CC	1:1	1562.5	3125.0	200000	800000	1.8	6	20
SCRIB	1:1	195.3	390.6	50000	800000	2.1	6	20
LMOD1	1:1						14	24
MTSS2	1:1						14	32
CEACAM19	1:1	48.8	97.7	6250	50000	1.8	17	23
GABARAP	1:1	1562.5	1562.5	100000	400000	1.8	11	23
EIF2AK2	1:1						6	17
SLMAP	1:1	97.7	195.3	12500	50000	1.8	7	21
LRRC37A2	1:1	781.3	1562.5	100000	400000	1.8	5	19
SH3BP1	1:1	1562.5	3125.0	200000	800000	1.8	6	29
TADA3	1:1						13	21
GORASP2	1:1	6250.0	6250.0	400000	1600000	1.8	7	25
GPHA2	1:1	97.7	97.7	6250	50000	1.8	5	7
TGFB2	1:1	12500.0	12500.0	400000	1600000	1.5	15	23
SDHB	1:1	781.3	1562.5	200000	800000	2.1	7	35
PBXIP1	1:1						11	9
DNAJB14	1:1	48.8	97.7	25000	100000	2.4	8	13
PTPRH	1:1	12.2	48.8	25000	200000	2.7	7	16
SMAD3	1:1	12500.0	12500.0	800000	800000	1.8	13	17
KIR2DS4	1:1	48.8	97.7	12500	200000	2.1	7	17
KIR2DL2	1:1	97.7	97.7	6250	50000	1.8	15	27
ITIH5	1:1	781.3	1562.5	100000	400000	1.8	17	37
TRIM58	1:1	390.6	390.6	25000	200000	1.8	7	11
USP25	1:1	97.7	195.3	12500	50000	1.8	7	14
UNG	1:1						12	28
KLK15	1:1	97.7	97.7	12500	100000	2.1	13	20
CHCHD6	1:1	781.3	781.3	100000	400000	2.1	9	10
STAM	1:1						10	14
HSPA2	1:1	195.3	781.3	50000	200000	1.8	11	13
MPRIP	1:1						15	18
SDCCAG8	1:1	6.1	24.4	12500	50000	2.7	10	19
CCDC134	1:1	1562.5	3125.0	200000	800000	1.8	16	10
MCTS1	1:1						4	8
DYNLT3	1:1						14	28
SLC9A3R2	1:1						9	20
DNM1	1:1	1562.5	3125.0	200000	800000	1.8	6	40
DUT	1:1	1562.5	3125.0	400000	800000	2.1	13	29
PCDH7	1:1	3125.0	3125.0	200000	800000	1.8	5	12
PCSK7	1:1	1562.5	3125.0	200000	800000	1.8	18	22
BCL2	1:1	195.3	195.3	50000	200000	2.4	11	19
SSNA1	1:1						6	18
ZFYVE19	1:1	1562.5	3125.0	400000	800000	2.1	5	29
ATRAID	1:1	48.8	48.8	12500	50000	2.4	7	9
ZNRD2	1:1	1562.5	3125.0	200000	800000	1.8	6	13
TOP1	1:1						6	21
TMEM106A	1:1	97.7	97.7	12500	50000	2.1	8	33
BCL7B	1:1	390.6	781.3	50000	800000	1.8	14	
INSL5	1:1	97.7	97.7	12500	50000	2.1		
TNFAIP2	1:1	48.8	48.8	12500	50000	2.4	5	7

NUBP1	1:1						5	
HDDC2	1:1	195.3	390.6	50000	800000	2.1	6	8
IDO1	1:1	195.3	390.6	100000	400000	2.4	7	14
MEP1A	1:1	195.3	195.3	50000	800000	2.4	5	17
CWC15	1:1	195.3	781.3	50000	200000	1.8	6	17
AP3B1	1:1	195.3	781.3	50000	800000	1.8	7	26
C9orf40	1:1	195.3	390.6	25000	200000	1.8	5	19
SMNDC1	1:1						8	14
NCR3LG1	1:1	195.3	390.6	100000	400000	2.4	6	12
SWAP70	1:1	781.3	781.3	50000	800000	1.8	6	8
CIRBP	1:1						7	37
IFNAR1	1:1	195.3	195.3	25000	800000	2.1	5	7
ATG16L1	1:1	781.3	1562.5	200000	800000	2.1	5	10
SNX18	1:1	12500.0	12500.0	800000	1600000	1.8	6	11
PPP2R5A	1:1							
PHLDB1	1:1						21	22
MTSS1	1:1							
LMNB1	1:1						17	16
MAP2K1	1:1	195.3	390.6	200000	800000	2.7	4	28
NAP1L4	1:1	1562.5	1562.5	100000	800000	1.8	4	12
PSCA	1:1						5	8
PSAPL1	1:1	12.2	97.7	6250	25000	1.8	5	12
YARS1	1:1							
CEACAM16	1:1	12.2	24.4	6250	50000	2.4	5	8
CD86	1:1	97.7	97.7	12500	200000	2.1	6	7
DNAJC9	1:1						7	14
GPIHBP1	1:1						23	25
EGFLAM	1:1	781.3	1562.5	200000	800000	2.1	7	6
FKBPL	1:1	195.3	390.6	100000	400000	2.4	8	20
ENDOU	1:1	97.7	195.3	25000	50000	2.1	7	11
SERPINI2	1:1	195.3	390.6	25000	200000	1.8	6	14
ADGRE1	1:1	1562.5	1562.5	100000	800000	1.8	8	10
NUDT16	1:1						5	31
CDC42BPB	1:1						6	14
EFCAB14	1:1	25000.0	25000.0	1600000	3200000	1.8	7	6
GIPC3	1:1	195.3	390.6	25000	200000	1.8	7	36
PTPRK	1:1	3125.0	6250.0	800000	3200000	2.1	7	12
TRIM25	1:1	781.3	781.3	50000	200000	1.8	6	16
IFI30	1:1						5	11
KAZN	1:1	781.3	1562.5	400000	800000	2.4	5	23
UFD1	1:1	781.3	781.3	200000	400000	2.4		
TMED8	1:1	97.7	195.3	25000	200000	2.1	5	32
BRAP	1:1	48.8	97.7	25000	800000	2.4	5	27
OTUD6B	1:1						7	26
IST1	1:1							
FAM13A	1:1	97.7	390.6	25000	200000	1.8	6	25
COL24A1	1:1						24	30
SPINT3	1:1	24.4	24.4	6250	25000	2.4		
PCYT2	1:1	781.3	1562.5	100000	400000	1.8	6	22

FAM3D	1:1	48.8	97.7	12500	50000	2.1	4	18
JPT2	1:1						8	39
NDUFB7	1:1						9	33
MTIF3	1:1	781.3	3125.0	100000	800000	1.5		
PCDH9	1:1	3125.0	6250.0	800000	800000	2.1	6	9
ACOT13	1:1	781.3	781.3	25000	200000	1.5	8	37
CYB5R2	1:1						6	9
ARF6	1:1							
SUGP1	1:1	3125.0	6250.0	200000	800000	1.5	11	17
GLIPR1	1:1						14	19
RBP7	1:1	781.3	1562.5	100000	200000	1.8	7	14
CETN3	1:1	781.3	781.3	50000	400000	1.8	4	18

**Table S2.** Differential expression of proteins in plasma samples of cancers patients compared to healthy individuals.

Protein Name	Males		Females	
	NPX Difference	P Value	NPX Difference	P Value
MYBPC2	-0.538	0.149	0.391	0.213
PSMC3	0.167	0.408	-0.206	0.337
LSM1	0.112	0.636	-0.633	0.023
MELTF	-0.121	0.448	-0.090	0.420
FCRL3	0.204	0.304	-0.323	0.092
FXVD5	0.286	0.320	-0.350	0.230
EFCAB2	0.250	0.256	-0.526	0.010
CD101	0.152	0.348	-0.065	0.710
NXP3	-0.055	0.674	-0.392	0.007
SHBG	0.527	0.000	-0.036	0.826
NEDD4L	-0.176	0.240	0.366	0.022
ARSA	-0.200	0.134	0.091	0.419
LPP	-0.071	0.749	-0.144	0.464
WARS1	0.534	0.010	-0.090	0.675
ANK2	0.455	0.116	-0.137	0.588
JUN	0.214	0.417	0.262	0.320
XRCC4	-0.055	0.770	-0.315	0.075
EPCAM	-0.092	0.765	-0.368	0.222
BST1	-0.123	0.333	0.038	0.764
SULT2A1	0.503	0.222	0.977	0.029
APRT	-0.144	0.567	0.008	0.973
REXO2	0.267	0.258	-0.615	0.026
CBX2	0.150	0.344	0.225	0.104
CNTNAP2	0.008	0.953	0.184	0.171
PF4	0.240	0.390	-0.058	0.824
CDH4	0.596	0.035	-0.070	0.837
CD3E	0.637	0.054	0.313	0.390
ANXA5	0.728	0.004	-0.226	0.375
MSLN	-0.252	0.379	-1.264	0.000
VEGFB	0.084	0.469	-0.158	0.203
VSIG4	0.710	0.021	-0.108	0.738
AMFR	0.035	0.764	-0.041	0.693
CD79B	0.359	0.109	-0.415	0.120
SPINK8	0.186	0.152	0.270	0.186
CEND1	-0.259	0.354	0.150	0.543
APOM	0.014	0.922	-0.057	0.738
CLASP1	0.270	0.370	-0.395	0.150
PTEN	0.215	0.480	-0.173	0.505
CRKL	-0.057	0.859	-0.272	0.398
MAP4K5	0.422	0.276	-0.803	0.039
BRD2	0.331	0.241	0.305	0.250

TNFRSF19	0.219	0.175	-0.434	0.048
NTRK3	-0.065	0.532	-0.204	0.072
PSMD1	-0.150	0.674	1.593	0.000
GP5	0.110	0.353	-0.100	0.355
HEXIM1	0.466	0.067	-0.379	0.111
CPPED1	-0.019	0.943	-0.266	0.334
S100A12	0.614	0.030	0.572	0.199
IL12B	0.068	0.750	-0.014	0.959
DDR1	0.318	0.029	-0.099	0.455
RAC3	0.139	0.278	0.043	0.789
DTD1	0.196	0.574	-0.906	0.016
FGF6	-0.050	0.773	0.004	0.982
SERPING1	0.173	0.020	-0.046	0.544
MRPL24	0.236	0.247	0.276	0.119
TIMP2	0.042	0.708	-0.115	0.361
ICOSLG	-0.125	0.142	-0.116	0.519
CD55	0.043	0.725	-0.203	0.156
DDX25	0.206	0.360	0.169	0.546
KITLG	-0.241	0.216	-0.435	0.028
PAEP	0.841	0.019	0.200	0.665
MFAP4	-0.077	0.572	-0.268	0.033
KYNU	-0.015	0.939	0.028	0.893
PRDX5	-0.071	0.718	-0.151	0.562
TPM3	-0.060	0.772	-0.133	0.497
TAB2	0.110	0.727	-0.089	0.745
ADAMTS13	-0.208	0.066	-0.206	0.168
TREH	-0.232	0.449	0.108	0.694
PLXNA4	0.156	0.553	-1.198	0.000
ANXA11	-0.094	0.410	-0.105	0.431
DSC2	0.530	0.002	-0.285	0.128
LIFR	0.111	0.265	-0.046	0.713
CXCL12	-0.129	0.439	-0.596	0.004
BLVRB	0.035	0.857	0.278	0.150
SCIN	0.251	0.355	0.529	0.058
C2	0.120	0.234	-0.070	0.613
TNFRSF1A	0.504	0.018	-0.115	0.617
NRXN3	-0.208	0.146	0.045	0.711
ADAMTS15	-0.120	0.583	-1.102	0.000
INPP5D	0.160	0.514	-0.070	0.767
FGF5	0.173	0.195	-0.295	0.056
NGRN	0.230	0.224	0.395	0.010
RNF149	0.288	0.049	-0.131	0.367
CBLN4	-0.540	0.009	-0.115	0.666
ATP5PO	0.351	0.042	0.786	0.000
ZNF174	0.076	0.668	0.417	0.086
SH3GLB2	0.141	0.497	0.204	0.316
MORF4L2	0.183	0.396	-0.185	0.394

TPD52L2	0.074	0.812	-0.246	0.458
ARHGAP30	0.132	0.576	-0.156	0.420
PTN	0.855	0.080	-0.061	0.897
CDC37	0.249	0.408	-0.083	0.775
CCL27	0.623	0.000	-0.028	0.863
NELL2	-0.056	0.694	-0.215	0.136
CACNA1H	-0.151	0.592	-0.308	0.280
IL17C	0.222	0.474	-0.736	0.027
TMEM132A	0.048	0.870	-0.866	0.001
CDH15	0.158	0.411	-0.081	0.622
ADAM8	-0.114	0.488	0.007	0.966
EIF4B	0.192	0.415	-0.276	0.404
KLRF1	0.374	0.092	-0.146	0.514
CD14	0.376	0.041	0.184	0.370
NECTIN1	0.040	0.721	0.432	0.000
ATP5IF1	0.171	0.658	0.990	0.021
HTR1A	-0.120	0.746	-0.086	0.786
RAB2B	-0.515	0.027	-0.232	0.251
FNDC1	-0.277	0.208	-0.494	0.011
CRIP2	0.356	0.053	0.165	0.472
MMP15	0.018	0.901	-0.416	0.014
FCGR3B	-0.002	0.989	-0.304	0.048
SELENOP	-0.059	0.619	-0.527	0.000
KLRC1	0.126	0.650	-0.914	0.004
LRRC59	0.220	0.537	-0.529	0.069
LY75	-0.038	0.786	-0.163	0.317
GART	-0.061	0.744	-0.591	0.006
SERPINB1	-0.377	0.352	-0.410	0.354
GPC5	-0.525	0.023	-0.226	0.287
PALLD	0.569	0.007	0.271	0.208
CPQ	0.054	0.715	-0.261	0.049
CCDC50	0.410	0.026	-0.072	0.720
ATP1B2	-0.132	0.438	-0.224	0.147
SERPINB8	-0.014	0.970	-0.694	0.088
ECI2	0.729	0.038	0.235	0.436
CNTN3	-0.210	0.046	-0.075	0.600
CCL24	-0.113	0.622	0.188	0.417
CEACAM1	0.123	0.316	0.000	0.999
CBLN1	0.039	0.937	-0.405	0.415
LMNB1	0.289	0.401	0.288	0.419
EDIL3	0.036	0.816	-0.042	0.844
CD36	0.014	0.919	0.193	0.170
ECSCR	0.295	0.131	0.343	0.110
MASP1	-0.088	0.422	-0.176	0.101
M6PR	0.075	0.594	-0.104	0.457
PROCR	0.067	0.720	-0.084	0.459
FAM3C	0.153	0.237	-0.308	0.057



NCAM1	-0.265	0.031	-0.057	0.677
NEB	0.021	0.929	0.247	0.204
HMGCS1	-0.027	0.889	0.074	0.764
SART1	0.589	0.153	0.265	0.495
SYNGAP1	-0.055	0.829	-0.262	0.314
SIAE	0.036	0.845	0.382	0.031
TOR1AIP1	-0.090	0.850	-0.505	0.268
GIMAP7	0.070	0.738	-0.363	0.060
GDF15	0.944	0.002	0.274	0.390
AKR1B10	0.415	0.333	-0.062	0.887
CNST	0.661	0.031	-1.669	0.000
TPP1	0.107	0.486	-0.160	0.310
BOC	0.025	0.813	-0.371	0.006
KLK10	-0.174	0.369	-0.320	0.062
IL25	0.585	0.010	-0.242	0.200
GZMH	1.264	0.009	0.197	0.581
TRIAP1	0.565	0.034	-0.071	0.798
VSIG2	0.453	0.101	-0.429	0.070
IDI2	0.084	0.691	0.234	0.336
CD5L	0.351	0.026	-0.054	0.736
CDH17	0.010	0.975	-0.268	0.311
HJV	0.115	0.456	-0.456	0.012
TBC1D5	-0.664	0.055	-0.235	0.494
VMO1	0.521	0.007	-0.068	0.777
HBQ1	0.098	0.629	0.483	0.035
REG3G	0.304	0.171	0.087	0.697
RBP7	0.453	0.247	-0.421	0.252
PTGES2	0.557	0.075	0.098	0.737
FCRL5	0.046	0.822	-0.481	0.010
CA12	0.338	0.078	-0.183	0.409
APCS	-0.035	0.805	-0.230	0.132
PROS1	-0.025	0.832	-0.177	0.063
CSTB	0.140	0.500	-0.248	0.265
VEGFD	0.137	0.431	-0.412	0.058
MERTK	0.252	0.048	-0.071	0.704
PPP2R5A	-0.427	0.347	0.566	0.195
PIK3IP1	0.390	0.014	-0.369	0.031
HIF1A	-0.322	0.348	0.530	0.084
PTTG1	1.202	0.010	0.040	0.923
NPHS1	-0.232	0.067	-0.240	0.112
SUGP1	-0.367	0.163	0.090	0.719
ISLR2	-0.204	0.139	-0.606	0.000
CSF2	-0.049	0.827	0.055	0.843
GPR37	0.298	0.365	-0.535	0.153
CNTN5	-0.473	0.001	-0.550	0.000
HNF1A	-0.010	0.970	0.330	0.187
NENF	0.089	0.740	-0.383	0.204

GALNT10	0.090	0.369	0.099	0.544
DPY30	0.430	0.214	0.513	0.131
CHAD	-0.740	0.023	-0.037	0.903
CEMIP2	-0.017	0.903	-0.074	0.605
IFNGR2	-0.038	0.836	-0.235	0.264
BRME1	0.100	0.583	-0.163	0.351
IL6ST	0.068	0.441	-0.064	0.546
FCRLB	0.521	0.038	-0.078	0.776
APOA4	-0.063	0.765	-0.558	0.008
CDA	-0.225	0.359	-0.211	0.388
ABHD14B	-0.285	0.340	1.211	0.000
REG1B	0.635	0.025	-0.339	0.251
CD200R1	-0.092	0.466	0.063	0.722
SAA4	0.077	0.395	0.031	0.684
DNAJC9	0.494	0.093	0.270	0.375
CDHR2	0.300	0.253	0.468	0.107
RPE	-0.214	0.410	-0.076	0.754
PPY	0.921	0.024	-0.353	0.314
TGFBR1	0.517	0.045	-0.640	0.024
DNAJA2	-0.493	0.063	0.337	0.269
NOS3	0.729	0.007	0.017	0.946
CD274	0.362	0.139	-0.096	0.705
CMC1	0.293	0.383	-0.260	0.401
CA6	-0.909	0.001	-0.794	0.003
CTRB1	0.294	0.252	-0.429	0.103
PADI4	-0.257	0.582	0.594	0.236
TMCO5A	0.472	0.031	-0.571	0.066
DKKL1	0.417	0.131	0.193	0.432
CHP1	0.591	0.202	-0.525	0.255
MUCL3	0.463	0.080	-0.465	0.042
SLAMF1	0.064	0.738	0.019	0.923
BANK1	-0.057	0.850	-1.123	0.001
PKD2	0.158	0.656	0.424	0.232
CELSR2	-0.431	0.013	-0.426	0.018
CX3CL1	0.118	0.533	0.040	0.836
INSR	0.124	0.395	0.015	0.903
C8B	-0.143	0.125	-0.085	0.369
RALY	0.339	0.402	0.131	0.739
NEXN	0.174	0.597	0.810	0.015
BSND	0.537	0.053	0.440	0.146
ACOX1	0.302	0.375	1.998	0.000
AHSP	0.006	0.982	0.581	0.039
CXCL14	0.370	0.024	0.399	0.014
HNRNPUL1	0.248	0.361	0.332	0.214
NFATC3	0.281	0.247	0.522	0.005
PAG1	-0.152	0.669	-0.253	0.468
DYNLT1	0.212	0.506	-0.349	0.262

COMMD1	-0.153	0.545	-0.098	0.689
BSG	0.183	0.080	0.054	0.707
PAK4	0.220	0.461	-0.547	0.057
ARMCX2	0.188	0.342	0.806	0.007
CD46	0.003	0.981	-0.242	0.115
CDH6	0.334	0.062	-0.067	0.647
PILRA	0.306	0.053	-0.127	0.490
C1R	-0.027	0.655	-0.066	0.282
MMP9	0.857	0.002	0.105	0.694
BNIP2	0.096	0.739	-0.283	0.301
HAVCR2	0.520	0.018	-0.092	0.701
VTCN1	0.265	0.297	-0.134	0.607
ENTPD2	0.524	0.098	-0.375	0.083
MAD1L1	0.241	0.507	0.414	0.275
GTF2IRD1	0.076	0.720	0.154	0.626
AFM	-0.288	0.037	-0.126	0.328
FOLH1	0.619	0.062	0.216	0.451
DCBLD2	0.494	0.000	0.107	0.510
CBLIF	-0.308	0.315	-0.739	0.025
RABEP1	-0.451	0.116	-0.468	0.064
CCND2	-0.428	0.366	0.294	0.324
GZMA	0.180	0.359	-0.212	0.313
PADI2	0.344	0.262	0.254	0.459
IL22RA1	0.137	0.505	-0.202	0.204
DNM1	0.404	0.293	-1.082	0.021
GAS2	0.350	0.298	0.761	0.008
LRG1	0.630	0.001	0.252	0.153
SNX5	-0.187	0.299	0.473	0.003
CASP4	-0.037	0.940	0.913	0.060
CLEC1B	0.107	0.729	-0.317	0.247
LCPI	-0.344	0.055	-0.348	0.021
NHLRC3	0.169	0.208	-0.059	0.602
C4BPB	0.039	0.834	-0.171	0.374
HARS1	0.066	0.803	0.064	0.804
ZBTB16	-0.026	0.924	-0.041	0.872
ENPP2	-0.059	0.597	-0.227	0.054
GALNT3	-0.124	0.504	0.091	0.643
SPART	-0.622	0.043	-0.226	0.436
VASH1	0.279	0.378	-0.326	0.280
LCN15	0.467	0.083	-0.616	0.003
COCH	0.230	0.105	0.073	0.630
LATS1	0.388	0.309	0.032	0.927
RPS10	0.014	0.944	-0.314	0.128
DCXR	-0.095	0.708	0.201	0.381
TNIP1	-0.355	0.305	-0.321	0.366
ITIH3	0.646	0.000	0.391	0.009
NPPC	-0.558	0.010	-0.883	0.002

ITGB6	-0.065	0.725	-0.210	0.236
UROS	-0.197	0.483	0.369	0.167
MECR	0.653	0.115	0.389	0.321
HGFAC	0.114	0.374	0.034	0.779
IL7R	-0.129	0.400	-0.367	0.029
RTN4R	0.053	0.679	-0.285	0.097
ANKMY2	-0.144	0.637	-0.364	0.202
TMOD4	-0.173	0.513	-0.744	0.001
CSF1R	0.075	0.667	-0.117	0.457
SPINT1	0.257	0.178	-0.031	0.852
MTPN	-0.291	0.201	0.169	0.220
DEFB104A; DEFB104B	0.075	0.681	-0.187	0.477
FLT1	0.122	0.442	0.066	0.732
RNF41	-0.564	0.019	-0.283	0.341
APOF	-0.044	0.731	-0.100	0.383
PRG2	0.532	0.017	0.096	0.657
GORASP2	0.181	0.468	0.197	0.397
CDH5	-0.051	0.661	-0.053	0.696
CA13	-0.127	0.724	-0.591	0.090
PECAM1	0.174	0.207	-0.383	0.006
SLITRK6	-0.010	0.936	-0.553	0.000
TGM2	0.202	0.408	0.003	0.992
TJP3	0.228	0.090	0.384	0.107
PIKFYVE	0.146	0.639	-0.534	0.050
PRCP	-0.055	0.651	-0.077	0.538
GUK1	0.255	0.191	0.262	0.132
GBP2	-0.658	0.063	2.314	0.000
VPS37A	-0.154	0.573	0.922	0.000
ATRAID	0.319	0.060	-0.349	0.046
RHOC	0.723	0.075	-0.528	0.204
PER3	0.151	0.781	-0.654	0.185
GLYR1	0.099	0.755	0.315	0.303
SOST	0.041	0.775	-0.112	0.538
CLIP2	-0.018	0.960	-0.360	0.352
CLEC4A	-0.439	0.002	-0.398	0.008
PCYT2	0.362	0.216	-0.210	0.467
PRKAG3	0.327	0.402	-0.307	0.461
TPSD1	0.048	0.740	-0.024	0.886
AMIGO2	-0.014	0.843	-0.123	0.504
ADGRG2	-0.107	0.443	-0.185	0.190
PSMA1	0.007	0.974	-0.564	0.024
EDDM3B	-0.252	0.215	-0.073	0.650
HMBS	0.064	0.680	0.154	0.414
CLEC2L	0.550	0.007	-0.427	0.076
TNXB	-0.318	0.004	-0.181	0.176
LILRA6	0.483	0.028	-0.119	0.584
BRSK2	-0.066	0.801	-0.084	0.674

REST	0.305	0.196	0.018	0.940
AKT3	-0.029	0.911	-0.458	0.094
CIAPIN1	-0.141	0.575	-0.139	0.551
CTSB	0.409	0.105	0.006	0.982
ACADSB	0.240	0.541	-0.808	0.027
COPE	0.107	0.635	-0.096	0.756
FABP9	-0.329	0.087	0.071	0.717
CTSL	0.332	0.065	0.318	0.096
CASP9	-0.133	0.750	-0.165	0.658
FGF19	0.238	0.354	-0.090	0.751
NGF	0.072	0.235	0.001	0.973
LRP2BP	-0.122	0.694	-0.686	0.100
AMOT	-0.284	0.114	-0.113	0.543
USP25	0.040	0.862	-0.181	0.416
NDUFS6	-0.055	0.880	0.883	0.018
KIT	-0.366	0.005	-0.030	0.832
CXCL5	-0.104	0.786	0.017	0.959
DAPP1	0.197	0.661	-0.988	0.082
RETN	-0.005	0.987	-0.282	0.279
IGFBP2	1.328	0.000	0.559	0.029
IL1RL2	-0.168	0.214	0.157	0.374
MAMDC4	-0.155	0.493	-0.394	0.140
BOLA2B; BOLA2	-0.020	0.905	-0.005	0.977
ITPRIP	0.207	0.099	-0.358	0.010
MAPK13	0.275	0.476	1.022	0.005
NOTCH2	0.015	0.854	-0.017	0.855
PGLYRP2	-0.140	0.386	0.144	0.227
ADAMTSL2	0.055	0.708	-0.111	0.403
CIRBP	0.152	0.608	-0.547	0.071
CHIT1	0.509	0.118	-0.361	0.321
SLURP1	-0.033	0.823	-0.353	0.008
RNASEH2A	-0.459	0.097	0.395	0.145
HLA-E	0.177	0.060	0.060	0.609
SNAP29	-0.190	0.551	-0.037	0.898
ADGRB3	-0.024	0.891	-0.386	0.064
AZU1	-0.072	0.842	0.207	0.625
PPBP	0.331	0.197	0.068	0.780
PPME1	0.167	0.434	0.277	0.308
MOG	0.346	0.034	-0.293	0.037
CHRD2	0.031	0.863	-0.493	0.030
ALDH5A1	0.247	0.496	0.598	0.056
CAMLG	0.410	0.165	0.172	0.563
SUGT1	0.023	0.933	-0.146	0.604
CNDP1	-0.442	0.039	-0.164	0.528
VTI1A	-0.365	0.205	-0.029	0.910
CLEC4G	0.070	0.607	-0.089	0.547
ESPL1	0.412	0.071	-0.011	0.964

CLEC4C	-0.153	0.510	-0.122	0.628
SIGLEC7	0.163	0.146	0.113	0.374
PRR5	0.093	0.615	0.023	0.906
CDK1	0.731	0.001	-0.334	0.142
BAIAP2	0.191	0.586	0.041	0.887
EIF5A	0.095	0.407	0.005	0.963
CCN5	0.146	0.416	-0.510	0.009
CYB5A	0.374	0.260	-0.440	0.158
PDE1C	0.518	0.016	0.738	0.004
AGER	-0.162	0.282	-0.341	0.038
DGKZ	-0.436	0.018	-0.180	0.292
PFKFB2	-0.047	0.886	-0.067	0.864
RANGAP1	-0.132	0.360	-0.569	0.000
RNF31	-0.532	0.039	0.060	0.831
PZP	0.331	0.265	0.246	0.393
FMR1	-0.625	0.122	0.487	0.104
CD33	-0.185	0.401	-0.007	0.972
PTPRB	0.010	0.931	-0.125	0.271
TNFRSF10C	0.106	0.481	-0.308	0.060
LETM1	0.995	0.005	-0.149	0.608
TSC22D1	0.364	0.103	-0.630	0.003
PAPPA	0.096	0.730	0.342	0.242
SLC9A3R2	0.237	0.209	0.344	0.050
GAL	-0.159	0.539	-0.210	0.454
AGR3	0.004	0.992	0.077	0.832
ZFYVE19	-0.105	0.748	-0.036	0.909
ZCCHC8	0.352	0.359	0.340	0.350
ESM1	0.263	0.224	0.209	0.312
KIF1C	0.424	0.104	0.102	0.673
PDCD6	-0.028	0.876	-0.109	0.541
SMARCA2	-0.004	0.990	0.024	0.937
RRP15	0.199	0.751	-0.370	0.553
ACTN2	0.256	0.453	0.205	0.512
GADD45B	0.297	0.531	-0.243	0.564
TFPI	0.413	0.006	0.162	0.365
LDLRAP1	0.423	0.287	-0.940	0.042
EFNA4	0.202	0.367	-0.393	0.076
SLC16A1	0.344	0.113	-0.028	0.906
AGBL2	0.322	0.551	0.012	0.982
SLC39A5	0.420	0.037	0.025	0.900
LPCAT2	-0.252	0.376	0.209	0.541
NMI	0.150	0.580	0.172	0.534
JPT2	0.378	0.154	-0.606	0.035
PTPN1	-0.363	0.242	0.213	0.461
LTBP2	0.600	0.004	0.055	0.807
OTUD6B	-0.086	0.703	-0.203	0.341
LY6D	0.131	0.476	-0.577	0.001

VASN	-0.013	0.898	-0.195	0.087
LILRB2	0.250	0.072	0.042	0.773
TLR2	0.059	0.830	-0.243	0.407
EBAG9	0.350	0.278	-0.150	0.657
ATP6AP2	0.203	0.172	-0.004	0.979
EIF4E	0.282	0.431	0.298	0.435
CCL26	-0.094	0.770	-0.465	0.127
PHYKPL	0.066	0.737	0.240	0.183
GSAP	0.092	0.714	-0.289	0.369
LACTB2	0.060	0.813	-0.009	0.969
SCARB2	0.256	0.255	-0.385	0.115
EIF1AX	0.118	0.736	0.256	0.324
SMPDL3A	-0.257	0.237	0.013	0.949
IL32	-0.015	0.933	-0.232	0.289
CRYGD	0.065	0.846	0.153	0.598
DNAJB2	-0.245	0.272	0.166	0.432
EGFLAM	0.126	0.538	0.039	0.839
CRISP3	-0.071	0.402	-0.144	0.084
TMED4	0.272	0.298	0.421	0.184
ACAN	-0.036	0.748	-0.224	0.017
NEK7	-0.106	0.740	-0.071	0.812
GET3	0.157	0.518	0.683	0.000
TNFRSF9	0.218	0.229	-0.195	0.358
PAXX	0.021	0.926	0.080	0.694
CLEC12A	-0.004	0.984	0.152	0.412
IMPA1	-0.206	0.424	0.294	0.244
NUBP1	-0.251	0.688	-1.057	0.091
A1BG	0.142	0.118	0.235	0.009
BCL7A	-0.039	0.916	-0.270	0.464
TREML1	0.164	0.601	0.078	0.798
SERPINA11	0.103	0.466	0.014	0.930
CORO1A	-0.577	0.183	0.113	0.785
CPM	-0.152	0.295	-0.289	0.060
PTPRS	-0.149	0.078	-0.337	0.002
GSTA1	-0.479	0.324	1.047	0.019
PAGR1	0.160	0.566	-0.263	0.355
ERBIN	-0.025	0.938	-0.237	0.478
KLK14	-0.338	0.103	-0.609	0.014
MAGED1	0.383	0.049	-0.564	0.001
FLT3	-0.337	0.028	0.079	0.541
CCL28	0.442	0.119	0.326	0.216
LRTM1	-0.434	0.198	-0.259	0.547
ITIH5	-0.141	0.604	-0.333	0.202
PTH1R	0.120	0.271	0.071	0.570
NCS1	0.161	0.318	-0.087	0.723
NPC2	0.066	0.659	0.074	0.622
EDAR	-0.496	0.105	-0.486	0.108

KLRB1	0.270	0.057	-0.216	0.306
FST	0.394	0.043	0.291	0.224
PDGFB	0.220	0.396	-0.164	0.513
REPS1	0.270	0.202	-0.354	0.123
IL20RB	0.018	0.860	-0.022	0.820
BTN3A2	0.103	0.486	-0.132	0.482
RASA1	0.146	0.141	-0.245	0.010
DNMBP	-0.312	0.351	-0.043	0.902
IL2RA	0.394	0.053	-0.180	0.404
PCBP2	0.274	0.351	-0.609	0.045
POLR2F	0.344	0.305	0.086	0.793
CD300LG	0.055	0.669	-0.226	0.103
WAS	-0.134	0.738	0.544	0.152
COL15A1	-0.358	0.013	-0.446	0.001
TFRC	0.342	0.079	0.303	0.139
SELL	-0.271	0.006	-0.139	0.169
APOA2	0.283	0.326	0.856	0.005
CD40LG	0.663	0.012	-0.029	0.922
BAG4	-0.105	0.717	-0.384	0.158
SIRT1	0.011	0.949	0.228	0.243
ALCAM	0.072	0.491	-0.060	0.645
CCL25	0.263	0.125	-0.379	0.125
INHBB	0.609	0.010	0.003	0.991
GCLM	-0.020	0.921	-0.341	0.082
LRRC25	0.167	0.321	-0.072	0.738
OGA	-0.158	0.492	-0.194	0.402
GABARAP	0.133	0.600	0.061	0.778
CCL22	-0.160	0.433	-0.139	0.473
ASPN	-0.145	0.409	-0.284	0.059
DDX58	-0.767	0.038	0.577	0.142
PCDH7	0.017	0.898	-0.180	0.076
PPM1B	-0.136	0.572	0.667	0.002
DNPH1	0.125	0.499	0.075	0.711
APP	0.201	0.289	0.099	0.601
KHDC3L	0.314	0.242	-0.548	0.043
STIP1	-0.064	0.811	-0.050	0.853
SPINK5	-0.199	0.054	-0.426	0.001
C1S	-0.044	0.558	-0.172	0.072
C19orf12	0.218	0.519	0.561	0.063
TWF2	-0.069	0.835	-0.037	0.902
ATOX1	-0.013	0.950	-0.119	0.596
CRTAP	0.302	0.135	0.106	0.545
CD99	-0.072	0.469	-0.293	0.017
MTUS1	0.358	0.377	0.406	0.195
PLXDC1	-0.253	0.081	-0.110	0.425
PON1	-0.377	0.005	-0.270	0.031
EFEMP1	0.548	0.002	-0.147	0.406



CHGB	0.478	0.018	-0.363	0.082
RNF43	0.149	0.463	0.021	0.915
WIF1	-0.001	0.994	-0.147	0.563
VTA1	0.248	0.379	-0.286	0.351
CENPJ	-0.067	0.852	-0.470	0.306
GDNF	0.479	0.017	-0.230	0.254
BIN2	-0.405	0.309	-0.355	0.327
TCTN3	0.079	0.504	-0.137	0.228
TSPYL1	0.059	0.743	-0.041	0.796
FAM171B	0.123	0.163	-0.322	0.001
FOXO1	0.186	0.509	-0.669	0.022
CCL7	-0.891	0.020	0.253	0.476
TOMM20	0.403	0.146	-0.285	0.244
AMBN	-0.067	0.581	0.116	0.224
ERP29	0.252	0.528	-0.399	0.322
DNAJB14	-0.189	0.570	-0.169	0.582
STOML2	0.370	0.285	0.194	0.549
IGDCC4	-0.297	0.030	-0.134	0.289
OBP2B	-0.241	0.364	-0.463	0.070
NEFL	1.119	0.003	0.035	0.922
P4HB	0.132	0.421	-0.199	0.209
CEP350	0.397	0.204	-0.500	0.071
ANKRA2	0.507	0.055	-0.472	0.096
TFPI2	0.348	0.165	-0.096	0.630
GZMB	0.714	0.038	-0.261	0.422
SCN3B	0.196	0.309	0.301	0.188
HRC	-0.068	0.612	-0.274	0.043
BHMT2	0.117	0.497	-0.042	0.765
ITIH4	0.233	0.070	0.014	0.900
OXCT1	0.843	0.004	-0.107	0.681
EHD3	0.266	0.486	-1.441	0.001
RNASE6	0.228	0.127	-0.101	0.456
SFRP1	0.443	0.279	-0.136	0.756
ARHGEF1	-0.135	0.642	-0.577	0.039
IFNW1	0.279	0.113	-0.283	0.120
LRIG3	0.075	0.441	0.019	0.834
AMN	0.131	0.512	0.235	0.221
SPINT2	0.182	0.236	-0.373	0.025
COL6A3	0.264	0.190	-0.244	0.247
CDC27	0.543	0.050	0.124	0.637
APLP1	-0.400	0.038	-0.223	0.215
SNAP23	0.007	0.983	-0.780	0.025
LRFN2	-0.208	0.247	-0.594	0.008
CNTN1	-0.223	0.118	-0.171	0.269
CELA2A	0.062	0.826	-0.343	0.158
RCC1	0.081	0.793	0.381	0.199
HSD17B14	0.542	0.089	0.375	0.236

TMEM25	-0.143	0.382	-0.256	0.142
CD58	-0.084	0.343	-0.238	0.038
GATA3	0.343	0.024	-0.435	0.016
TNFRSF11B	0.316	0.049	-0.056	0.748
MDK	0.918	0.013	0.115	0.745
GAMT	0.092	0.444	-0.191	0.116
IST1	0.087	0.768	-0.252	0.376
PARD3	0.500	0.226	-0.738	0.107
EPO	0.689	0.167	0.305	0.493
NPY	-0.424	0.063	-0.132	0.645
PRSS27	-0.046	0.744	-0.249	0.097
UPB1	0.065	0.891	0.299	0.491
TGOLN2	0.166	0.127	-0.110	0.311
CCER2	0.209	0.316	-0.533	0.007
CST6	-0.132	0.462	-0.600	0.002
KLK7	-0.516	0.012	-0.405	0.056
PYDC1	0.032	0.827	-0.461	0.004
NUMB	-0.142	0.617	-0.674	0.025
IGFBPL1	0.302	0.150	-0.299	0.075
TFF3	0.723	0.003	-0.753	0.000
MNAT1	-0.048	0.817	-0.006	0.982
ABL1	0.004	0.988	0.155	0.586
C3	-0.237	0.190	1.602	0.000
SPACA5B; SPACA5	0.251	0.096	-0.001	0.991
FAS	0.320	0.022	-0.044	0.759
CSF3R	-0.034	0.827	-0.085	0.473
NUDT15	0.095	0.744	0.369	0.084
ERN1	-0.146	0.297	-0.497	0.000
BAX	0.009	0.983	-0.183	0.653
TYMP	0.124	0.584	0.641	0.007
NLGN1	0.000	1.000	-0.117	0.687
OGFR	0.104	0.557	0.121	0.581
CD7	0.244	0.110	-0.207	0.159
WFDC2	0.817	0.002	-0.123	0.627
KCNIP4	-0.410	0.070	-0.499	0.028
MLN	0.944	0.004	-0.082	0.794
VASP	0.089	0.767	0.043	0.888
ZNRF4	0.503	0.022	-0.177	0.328
TTF2	-0.039	0.902	-0.195	0.530
HBEGF	0.093	0.718	-0.288	0.349
CDNF	-0.203	0.172	-0.193	0.244
TIGIT	0.539	0.012	-0.522	0.006
LIPF	-0.144	0.509	-0.591	0.016
MANSC1	0.293	0.024	-0.245	0.051
FCN1	0.315	0.118	0.048	0.762
PPM1F	0.003	0.989	-0.405	0.041
RGS10	0.159	0.556	-0.348	0.220

AKR1B1	-0.004	0.986	-0.453	0.147
ST6GAL1	0.202	0.175	0.119	0.445
SUOX	0.381	0.230	0.439	0.156
PBXIP1	-0.317	0.016	-0.363	0.003
ANG	-0.093	0.588	-0.217	0.186
IL3	0.852	0.049	0.950	0.030
ENTR1	0.025	0.913	0.359	0.112
GAD1	0.159	0.285	-0.244	0.097
MYBPC1	0.064	0.874	0.191	0.621
TPSG1	-0.101	0.662	-0.281	0.134
BDNF	-0.040	0.887	-0.025	0.926
NFKB1	0.117	0.655	-0.486	0.037
CNP	0.014	0.954	-0.094	0.703
FGF2	0.280	0.281	0.006	0.977
DBNL	-0.277	0.368	-0.292	0.324
SLC27A4	0.157	0.661	0.084	0.801
SERPINA3	0.277	0.024	0.001	0.996
SH3BP1	-0.916	0.014	1.193	0.004
METAP2	0.113	0.550	-0.265	0.300
VSIG10L	0.111	0.553	-0.383	0.012
SERPINA4	-0.248	0.123	-0.115	0.438
CLEC4D	0.754	0.019	-0.106	0.738
BECN1	0.191	0.476	0.186	0.457
GAS6	0.175	0.207	-0.223	0.157
TPPP3	-0.035	0.891	-0.900	0.001
DOCK9	-0.675	0.065	-0.335	0.291
CA1	0.090	0.681	0.305	0.185
MB	-0.408	0.184	0.299	0.359
RP2	-0.250	0.188	0.379	0.029
KIR3DL1	-0.158	0.801	-0.883	0.161
TDP1	-0.204	0.611	0.333	0.426
CBS	0.184	0.658	1.284	0.001
GAD2	-0.081	0.669	0.055	0.788
ADAM15	0.203	0.083	0.038	0.809
CALB1	0.533	0.060	0.415	0.186
USP28	0.556	0.039	-0.192	0.435
NUDC	0.061	0.750	-0.138	0.606
LGALS3	0.314	0.060	0.126	0.392
GP1BB	0.459	0.101	-0.641	0.023
RBKS	-0.196	0.502	0.497	0.090
STX6	0.074	0.794	0.012	0.964
DEFB4A; DEFB4B	0.689	0.119	0.999	0.027
TEK	-0.030	0.774	0.084	0.441
COL3A1	0.008	0.964	0.139	0.420
ATXN2	0.544	0.103	-0.274	0.414
IL17D	0.150	0.279	-0.118	0.375
ANXA4	-0.323	0.343	-0.251	0.437

LXN	0.159	0.527	0.835	0.001
EXOSC10	0.034	0.861	0.008	0.968
ERCC1	-0.040	0.900	0.099	0.757
ASAH1	-0.048	0.797	0.527	0.003
HRAS	-0.403	0.217	0.238	0.471
TIMP3	0.947	0.015	-0.150	0.695
PDGFC	0.041	0.724	-0.041	0.737
GC	-0.055	0.598	0.080	0.457
SMS	-0.289	0.328	-0.461	0.129
TPMT	-0.389	0.220	0.577	0.071
SRC	0.162	0.690	-0.475	0.227
NCR3LG1	0.584	0.012	-0.224	0.275
TIMM10	0.288	0.160	-0.044	0.760
PDIA5	-0.159	0.592	-0.451	0.074
CCL16	0.408	0.029	0.114	0.589
ARHGAP1	0.022	0.881	0.258	0.149
RAD23B	0.053	0.725	0.128	0.480
RAB39B	-0.571	0.037	0.152	0.576
CPTP	-0.035	0.848	-0.258	0.133
CADPS	-0.126	0.705	-0.100	0.783
MESD	0.542	0.220	-0.115	0.789
CTSO	-0.027	0.803	-0.106	0.510
MAPRE3	0.662	0.067	0.118	0.712
EIF4G3	0.127	0.758	-0.552	0.111
C1QL2	-0.215	0.232	-0.258	0.150
ENAH	0.379	0.090	0.222	0.306
PTX3	0.626	0.001	0.371	0.086
S100A11	0.166	0.573	-0.135	0.642
PGD	-0.134	0.625	1.160	0.000
SHMT1	0.086	0.792	0.009	0.979
MIF	-0.177	0.518	-0.389	0.171
AIFM1	0.636	0.157	0.502	0.262
CD164	-0.025	0.874	-0.156	0.321
SERPINA9	-0.496	0.071	0.027	0.921
PRDX2	0.057	0.807	0.114	0.622
PPP3R1	-0.289	0.111	0.403	0.040
IL18	0.237	0.462	0.002	0.993
FOXJ3	-0.269	0.313	-0.442	0.114
INHBC	0.110	0.505	0.099	0.556
BTC	0.063	0.837	-0.601	0.018
PROK1	-0.172	0.405	-0.229	0.360
ISM2	0.351	0.065	-0.137	0.336
AIDA	-0.052	0.862	1.655	0.000
SMNDC1	0.495	0.321	-0.051	0.911
SIGLEC9	0.157	0.221	0.007	0.968
IFNG	0.526	0.231	0.417	0.363
SDCCAG8	-0.295	0.424	-0.783	0.027

OGN	0.512	0.015	-0.543	0.021
PSAP	0.218	0.069	-0.003	0.978
SPON2	0.333	0.071	-0.003	0.988
ITGB1BP2	0.413	0.291	-0.606	0.192
CXCL9	0.767	0.002	0.273	0.299
TNFSF11	-0.782	0.009	0.252	0.415
MINDY1	-0.177	0.606	-0.677	0.024
ENTPD6	0.005	0.963	-0.206	0.029
DKK1	0.380	0.037	-0.054	0.776
EGFL7	0.377	0.010	-0.255	0.144
IL1R1	0.276	0.015	-0.058	0.653
CLEC1A	0.201	0.202	-0.190	0.273
WFIKKN2	0.089	0.490	-0.164	0.285
KIRREL1	-0.007	0.975	0.241	0.422
DTNB	0.153	0.524	0.260	0.331
HDGFL2	0.123	0.711	0.077	0.804
SYAP1	0.169	0.545	0.176	0.418
IL10RB	0.163	0.173	-0.192	0.191
GPKOW	0.156	0.527	0.071	0.758
GFRA1	0.415	0.021	-0.105	0.663
SHPK	0.150	0.505	-0.538	0.041
FABP6	0.128	0.621	-0.422	0.070
CDCP1	0.707	0.003	0.199	0.410
DMP1	-0.307	0.211	-0.014	0.954
PPIB	0.049	0.880	-0.155	0.589
S100A13	0.313	0.075	0.145	0.352
CLEC6A	0.619	0.006	-0.135	0.543
GOLGA3	0.621	0.015	-0.756	0.002
TGFBI	0.023	0.850	-0.124	0.347
IFNL1	0.389	0.162	0.302	0.418
IL1RAP	0.049	0.701	-0.519	0.001
DUT	0.906	0.015	0.237	0.484
SLC28A1	-0.059	0.813	-0.091	0.725
TG	0.378	0.239	0.053	0.889
NMNAT1	-0.134	0.751	0.559	0.197
TLR4	0.142	0.267	-0.202	0.101
CDH1	0.429	0.004	-0.325	0.040
CNTF	-0.167	0.712	-0.387	0.424
DLK1	-0.005	0.978	-0.495	0.006
SLMAP	0.360	0.239	-0.786	0.009
ADA	-0.206	0.252	-0.023	0.914
TXNDC15	0.297	0.010	-0.127	0.318
CA8	0.060	0.664	0.153	0.093
AFP	0.186	0.506	0.194	0.426
PMM2	1.006	0.007	-1.781	0.000
DPP4	-0.319	0.018	-0.095	0.521
BLNK	0.319	0.061	-0.423	0.057

CSF2RB	-0.355	0.055	0.229	0.207
COMP	-0.376	0.038	-0.209	0.302
TMPRSS11D	0.301	0.113	0.062	0.701
STK24	-0.112	0.658	-0.334	0.179
HS3ST3B1	0.110	0.517	-0.233	0.336
AARSD1	0.316	0.177	0.395	0.116
TSPAN15	0.152	0.525	-0.364	0.197
FIS1	-0.207	0.500	-0.158	0.575
ADAMTSL5	-0.116	0.433	-0.337	0.016
FGFR4	0.024	0.877	0.063	0.710
IVD	0.407	0.219	-0.326	0.294
PCDHB15	-0.085	0.646	-0.212	0.196
SNX18	-0.055	0.725	-0.130	0.395
FCAMR	0.326	0.239	0.448	0.067
HAVCR1	0.894	0.006	0.112	0.749
IL2RG	0.260	0.082	-0.482	0.001
SESTD1	-0.299	0.281	-0.581	0.019
TGFA	1.012	0.001	0.347	0.240
CFH	0.015	0.864	-0.040	0.636
GNLY	0.251	0.211	0.188	0.315
IMMT	0.731	0.009	0.378	0.149
MENT	-0.264	0.013	-0.170	0.132
PRKRA	0.060	0.813	-0.534	0.030
PGA4	-0.375	0.315	-0.550	0.061
ADAM9	0.174	0.235	-0.152	0.296
NAMPT	-0.247	0.517	-0.241	0.563
EPB41L5	0.130	0.709	0.536	0.079
MMP13	-0.008	0.978	-0.185	0.603
DNAJA4	-0.043	0.837	0.366	0.076
B4GALT1	0.170	0.213	0.040	0.800
ATP2B4	0.547	0.058	0.047	0.884
CNTN4	-0.090	0.362	-0.199	0.082
NADK	-0.029	0.937	0.292	0.426
ACADM	1.016	0.007	0.161	0.658
NAA10	-0.133	0.660	-0.345	0.238
PKLR	0.215	0.383	0.217	0.342
SIT1	0.587	0.025	-0.632	0.017
WASHC3	-0.257	0.461	0.020	0.953
NDST1	-0.144	0.521	0.101	0.653
LAMA1	-0.087	0.683	-0.259	0.229
BCR	0.313	0.272	-0.839	0.003
MRPL58	0.399	0.282	0.299	0.374
IGFBP3	-0.512	0.006	-0.270	0.184
PLCB2	0.045	0.908	-0.608	0.108
TBL1X	0.036	0.898	-0.384	0.187
COL9A2	0.045	0.863	0.072	0.831
LBP	0.261	0.301	0.149	0.522

SLITRK2	-0.021	0.909	-0.161	0.432
RYR1	-0.243	0.252	0.504	0.007
ARG1	-0.146	0.574	0.039	0.876
SIGLEC6	-0.210	0.160	-0.277	0.221
CLNS1A	0.083	0.686	0.458	0.027
MANSC4	0.413	0.176	-0.034	0.904
MSMB	0.220	0.380	0.303	0.200
TBCA	-0.153	0.629	0.115	0.711
DDAH1	0.002	0.995	0.658	0.030
TRAF2	-0.477	0.019	0.109	0.612
NEO1	-0.090	0.193	-0.102	0.112
OXT	-0.027	0.941	-0.680	0.053
C1QBP	0.545	0.044	-0.081	0.685
DOK2	0.384	0.339	-0.334	0.380
NPTX1	0.146	0.416	-0.076	0.640
ARHGEF10	0.525	0.090	-0.556	0.047
PLA2G4A	0.346	0.270	-0.462	0.127
RNASET2	0.120	0.333	-0.060	0.646
NUCB2	0.095	0.498	-0.099	0.609
ART3	-0.010	0.943	-0.481	0.002
GRSF1	0.815	0.036	-0.636	0.093
RNASE10	0.318	0.173	-0.556	0.014
THRAP3	-0.048	0.907	0.178	0.601
IL5	-0.395	0.435	0.112	0.809
TRIM21	-0.733	0.010	0.673	0.041
MYOM1	0.084	0.675	-0.258	0.234
PDE5A	0.259	0.416	-0.880	0.006
ERVV-1	0.310	0.202	0.538	0.008
LTB	-0.183	0.274	-0.428	0.043
GSR	0.171	0.260	-0.147	0.175
CSF1	0.389	0.033	0.011	0.951
CLGN	0.239	0.314	-0.561	0.012
SCN2B	0.167	0.324	-0.346	0.106
FMNL1	-0.252	0.522	0.099	0.821
SORCS2	0.442	0.019	-0.492	0.032
CHI3L1	0.809	0.036	0.102	0.787
PDZK1	0.205	0.621	0.182	0.629
TTR	-0.482	0.010	-0.192	0.269
CALCA	-0.098	0.824	0.254	0.577
EFNB2	0.399	0.105	-0.781	0.001
AMY2A	-0.025	0.902	-0.534	0.008
PSMG4	0.169	0.483	0.336	0.183
PTPRR	0.002	0.990	-0.418	0.003
SLA2	0.327	0.383	-0.979	0.053
FABP5	-0.037	0.908	-0.329	0.317
TIA1	0.182	0.691	-0.025	0.958
EPHA1	0.316	0.013	-0.228	0.110

MANF	0.218	0.548	-0.437	0.224
DMD	0.325	0.227	0.162	0.560
CR1	0.010	0.943	0.020	0.890
CPXM1	0.361	0.058	0.209	0.341
PLAU	-0.172	0.196	-0.157	0.273
MEGF11	0.046	0.721	-0.080	0.628
S100A4	-0.401	0.091	-0.445	0.025
ATP6V1F	-0.364	0.182	0.900	0.001
CCL19	-0.455	0.098	-0.080	0.777
INSL5	0.496	0.092	-0.582	0.070
MMP8	1.170	0.020	0.199	0.683
PDE4D	-0.197	0.540	-0.523	0.140
MDM1	-0.346	0.209	-0.120	0.694
CCL17	0.199	0.512	0.246	0.313
EPS8L2	0.327	0.211	-0.178	0.484
ST13	0.162	0.423	-0.077	0.690
TXLNA	0.263	0.354	-0.662	0.024
PLA2G2A	-0.029	0.943	-0.211	0.525
FASLG	-0.108	0.447	-0.245	0.228
TACSTD2	0.113	0.501	-0.187	0.308
CLIC5	0.457	0.014	-0.486	0.007
TNC	0.141	0.524	0.399	0.069
ENTPD5	-0.154	0.070	-0.187	0.064
MRPL28	0.201	0.112	-0.022	0.819
CDC42BPB	0.447	0.168	-0.534	0.068
SCN4B	-0.272	0.161	-0.800	0.000
MDH1	0.030	0.493	0.052	0.206
TBC1D17	-0.004	0.980	0.014	0.929
IGF2R	0.172	0.075	0.141	0.175
CST3	0.222	0.126	-0.143	0.363
VPS53	-0.078	0.765	0.005	0.983
SUSD2	0.100	0.377	-0.201	0.137
PTP4A3	0.194	0.239	0.253	0.070
GSTM4	-0.017	0.957	0.583	0.054
FN1	-0.013	0.919	0.011	0.935
DNER	-0.410	0.001	-0.305	0.018
TNFSF9	0.283	0.126	-0.094	0.563
TPBGL	-0.062	0.731	-0.096	0.591
NIT2	-0.206	0.536	0.136	0.653
MATN3	-0.049	0.855	-0.019	0.947
EIF2AK3	0.063	0.851	-0.440	0.126
GP6	0.143	0.542	-0.198	0.404
LUZP2	0.306	0.018	-0.224	0.069
CLPS	0.223	0.483	-0.401	0.165
PLAT	0.226	0.337	0.242	0.370
GSTA3	-0.147	0.682	0.807	0.017
NRCAM	0.145	0.372	-0.022	0.872



AGXT	0.251	0.509	0.105	0.743
RILPL2	-0.084	0.793	-0.630	0.051
CFB	0.166	0.206	0.039	0.747
LSM8	0.163	0.628	-0.436	0.217
ANGPTL3	0.097	0.415	-0.093	0.538
TNFSF13	0.423	0.012	-0.096	0.613
SPAG1	-0.252	0.342	-0.260	0.329
OLR1	0.798	0.048	0.181	0.649
TSLP	-0.161	0.424	-0.308	0.237
PDRG1	-0.202	0.506	-0.559	0.053
DRG2	-0.300	0.144	0.100	0.603
ZP3	0.429	0.491	0.345	0.546
CRYZL1	0.266	0.346	-0.505	0.063
AXL	0.150	0.214	0.013	0.921
MAP3K5	-0.405	0.300	-0.425	0.235
CRIM1	0.203	0.125	-0.043	0.755
PREB	0.344	0.029	-0.157	0.319
SCGB3A1	0.012	0.931	-0.054	0.671
NRN1	0.226	0.136	-0.498	0.004
SMOC1	0.627	0.010	0.475	0.096
KYAT1	-0.208	0.442	0.100	0.703
PRDX3	0.437	0.174	0.564	0.057
CASP2	-0.481	0.058	-0.051	0.833
PLTP	0.050	0.741	-0.148	0.372
GLT8D2	0.015	0.939	-0.067	0.691
NAAA	-0.084	0.720	-0.149	0.518
MFAP5	0.147	0.506	-0.181	0.388
LGALS7B; LGALS7	0.290	0.130	-0.024	0.893
WFDC1	0.045	0.719	-0.322	0.026
LRRFIP1	0.068	0.789	-0.219	0.425
PLEKHO1	0.500	0.109	-0.609	0.069
LYPD8	0.207	0.354	0.114	0.627
TMED10	-0.112	0.674	-0.161	0.607
NUDT10	-0.213	0.181	0.177	0.245
AAMDC	-0.051	0.783	0.147	0.411
BHLHE40	0.105	0.805	1.878	0.000
ANP32C	-0.058	0.516	-0.094	0.500
COL9A1	-0.606	0.000	-0.317	0.159
SMPD3	0.417	0.144	-0.178	0.455
GKN1	-0.105	0.510	-0.176	0.222
ADGRE2	-0.086	0.479	-0.208	0.133
POF1B	0.921	0.001	-0.155	0.514
CD1C	-0.304	0.045	-0.062	0.670
GLP1R	0.677	0.007	-0.422	0.090
RASSF2	-0.139	0.745	-0.435	0.296
PBK	-0.010	0.942	0.208	0.084
GNGT1	0.143	0.542	0.098	0.692

MAMDC2	0.237	0.300	0.075	0.765
GPNMB	0.140	0.212	0.019	0.893
SEPTIN3	0.094	0.715	0.294	0.216
BLMH	0.243	0.188	0.183	0.228
KDM3A	0.018	0.914	-0.270	0.125
L1CAM	-0.146	0.301	0.000	0.998
DCUN1D2	-0.066	0.861	0.054	0.864
PSTPIP2	-0.066	0.839	-0.650	0.050
DOC2B	-0.215	0.583	0.269	0.433
DSG4	-0.513	0.003	-0.412	0.036
KLB	0.015	0.945	-0.308	0.130
HDDC2	-0.056	0.735	0.303	0.044
CARHSP1	0.058	0.742	-0.091	0.695
KIAA0319	0.298	0.061	-0.215	0.076
PPP1R14A	0.137	0.537	-0.448	0.078
REG4	0.601	0.002	-0.261	0.218
IL20RA	0.022	0.913	-0.177	0.292
MYH9	0.348	0.332	-0.292	0.318
KIAA1549	0.786	0.204	0.378	0.515
CKAP4	0.461	0.049	-0.177	0.534
KHK	0.044	0.883	0.014	0.960
NOP56	0.378	0.324	0.177	0.563
CD163	0.256	0.181	0.043	0.823
GRHPR	0.100	0.752	-0.347	0.240
REG3A	1.009	0.000	0.140	0.612
MDGA1	-0.449	0.073	-0.124	0.646
GPA33	-0.461	0.192	-0.890	0.032
CAPS	0.328	0.291	-0.198	0.388
GHRL	-0.110	0.753	-0.442	0.248
CD59	0.199	0.185	-0.275	0.073
SCLY	0.163	0.514	-0.253	0.400
MITD1	0.227	0.499	-0.810	0.012
LAMP3	0.289	0.129	0.109	0.665
PEPD	-0.064	0.613	-0.010	0.926
MYOM3	-0.373	0.202	0.205	0.427
SPRED2	0.004	0.972	-0.097	0.256
SCN2A	0.088	0.791	0.243	0.409
BCL7B	0.141	0.420	0.163	0.297
FAP	-0.152	0.219	-0.286	0.024
CD300C	0.310	0.049	-0.163	0.354
NOTCH1	-0.046	0.503	-0.179	0.086
GGH	-0.069	0.603	0.002	0.989
PTPRC	-0.011	0.910	-0.120	0.230
CORO6	-0.310	0.080	0.093	0.581
UBQLN3	-0.115	0.695	-0.669	0.013
CCL11	0.379	0.006	-0.236	0.317
RSPO3	0.392	0.042	-0.205	0.408

RRAS	0.502	0.301	-0.430	0.371
CCL23	0.426	0.050	0.453	0.022
APPL2	-0.338	0.348	-0.892	0.006
PHACTR2	-0.244	0.513	-0.254	0.492
DSG2	0.144	0.176	-0.077	0.495
SERPINE1	0.101	0.611	0.304	0.157
CSPG4	-0.019	0.901	-0.068	0.627
PLXDC2	-0.018	0.901	-0.263	0.171
ASS1	-0.023	0.956	0.798	0.025
ART5	0.159	0.418	-0.139	0.568
LY96	0.076	0.568	-0.104	0.451
TNFRSF13C	0.050	0.753	-0.409	0.042
SLC34A3	0.508	0.221	0.702	0.073
RBPM2	-0.243	0.561	-0.111	0.785
PIBF1	-0.326	0.298	-0.365	0.231
HMOX1	-0.132	0.610	0.067	0.775
CLTA	-0.030	0.895	1.396	0.000
LMNB2	0.745	0.007	0.488	0.065
DCTN2	-0.423	0.218	1.441	0.000
HMGCL	0.317	0.355	0.305	0.349
SOWAHA	0.521	0.036	-0.296	0.387
MEGF9	-0.145	0.139	-0.196	0.109
CD83	0.008	0.956	-0.166	0.319
NAP1L4	-0.139	0.281	-0.542	0.001
LBR	-0.121	0.739	0.400	0.303
DAND5	1.346	0.011	0.112	0.832
EDA2R	0.903	0.001	-0.270	0.331
SF3B4	-0.456	0.161	0.347	0.301
IL13	0.138	0.623	0.692	0.019
RBM25	0.854	0.012	0.128	0.699
DHRS4L2	0.246	0.456	0.711	0.013
DNM3	0.122	0.602	-0.096	0.684
DDX1	-0.291	0.249	0.657	0.006
CAT	-0.036	0.849	0.286	0.110
ADCYAP1R1	0.237	0.113	-0.681	0.000
LGALS1	0.296	0.090	0.135	0.462
CSRP3	-0.798	0.065	0.704	0.132
VNN2	0.074	0.663	0.022	0.919
FCER1A	-0.289	0.001	0.012	0.877
CTHRC1	0.178	0.304	-0.009	0.955
NTF3	-0.424	0.062	-0.562	0.011
IL1RN	0.354	0.364	0.285	0.466
LDLR	-0.143	0.388	-0.073	0.720
KLK6	0.122	0.443	-0.434	0.003
PNLIPRP1	0.277	0.389	-0.547	0.087
SIRT2	0.065	0.823	0.092	0.780
EDN1	0.055	0.766	-0.264	0.110

UNC79	-0.189	0.519	-0.861	0.002
TCL1A	-0.109	0.799	-0.327	0.409
GABRA4	0.543	0.055	-0.463	0.078
CCL20	0.580	0.144	-0.047	0.909
MRC1	0.474	0.009	0.192	0.286
CD69	0.037	0.910	-0.867	0.012
VCAN	0.431	0.006	0.132	0.414
ELAC1	0.307	0.287	-0.993	0.000
GH2	0.398	0.387	-0.301	0.534
FRZB	0.030	0.835	0.114	0.508
CASQ2	0.127	0.710	0.093	0.682
BNIP3L	0.554	0.050	-0.041	0.883
RCOR1	0.427	0.232	0.294	0.301
CEP112	0.318	0.049	0.264	0.120
SORT1	0.215	0.141	0.151	0.326
DPEP2	0.249	0.050	0.145	0.501
RET	-0.659	0.000	-0.447	0.062
SEPTIN8	0.324	0.095	0.339	0.042
TIMM8A	0.137	0.644	0.212	0.421
SRPK2	0.261	0.333	0.037	0.879
CPB2	-0.033	0.754	-0.135	0.171
SH3BGRL2	0.208	0.355	0.488	0.036
USO1	0.179	0.547	-0.310	0.332
PTH	0.095	0.807	-0.190	0.631
C1QTNF1	-0.037	0.853	0.252	0.291
TNFSF8	-0.001	0.993	-0.032	0.823
GIT1	0.133	0.615	-0.382	0.160
NID1	0.245	0.079	-0.047	0.748
MCAM	-0.071	0.620	-0.344	0.018
SPON1	0.335	0.039	0.060	0.731
PRSS2	0.620	0.043	-0.705	0.020
CREBZF	0.116	0.182	-0.404	0.001
MZT1	-0.433	0.095	0.166	0.470
CETN2	-0.136	0.656	-0.774	0.013
OMG	-0.195	0.435	0.091	0.733
UBE2L6	0.322	0.204	-0.078	0.762
VSTM2B	0.188	0.360	-0.127	0.581
PDCL2	0.139	0.573	-0.299	0.227
PXDNL	0.067	0.745	-0.439	0.005
ITGAV	-0.241	0.020	-0.247	0.152
HEBP1	0.189	0.480	0.554	0.010
CNPY4	0.151	0.500	-0.157	0.537
CRACR2A	-0.574	0.172	0.132	0.775
IL4R	0.807	0.003	0.250	0.375
TLR1	0.001	0.995	-0.007	0.963
NRTN	0.124	0.572	-0.309	0.258
TNR	-0.451	0.007	-0.219	0.184

ATXN3	-0.071	0.756	-0.275	0.225
CXCL13	0.841	0.002	0.104	0.681
PXN	0.181	0.650	-0.345	0.402
FKBP5	-0.169	0.552	-0.110	0.725
SERPINC1	-0.061	0.391	-0.044	0.533
LRRN1	-0.558	0.002	0.025	0.885
F11R	0.507	0.013	-0.303	0.146
CRYBB2	0.338	0.246	0.170	0.450
PHOSPHO1	0.042	0.712	-0.127	0.367
GLB1	-0.478	0.016	0.957	0.000
PCDH1	0.046	0.252	-0.051	0.725
ICAM3	0.088	0.346	-0.269	0.023
ARID4B	-0.170	0.522	0.235	0.460
GIPC3	-0.098	0.734	-0.758	0.012
MFAP3	0.113	0.549	-0.139	0.462
F7	-0.018	0.900	-0.172	0.266
ICA1	-0.025	0.936	-0.174	0.531
GSTT2B	-0.145	0.809	-1.487	0.010
PLXNB3	-0.148	0.364	-0.161	0.342
HNMT	0.308	0.396	0.194	0.585
FZD10	0.556	0.324	0.123	0.785
PPP1R2	0.251	0.378	-0.364	0.177
ARFIP1	0.114	0.707	-0.110	0.720
SERPINF1	-0.092	0.087	-0.055	0.346
GMFG	-0.151	0.610	-0.859	0.002
SPINT3	-0.485	0.204	0.131	0.752
CD63	0.176	0.452	0.266	0.294
CDH2	0.481	0.001	0.036	0.818
C1QTNF5	-0.291	0.020	-0.010	0.942
SPOCK1	-0.076	0.629	-0.125	0.396
TNFAIP8L2	-0.241	0.470	-0.286	0.344
GNPDA2	0.040	0.811	0.266	0.061
SERPINA6	-0.022	0.799	0.066	0.493
UPK3A	-0.251	0.338	-0.150	0.596
HS1BP3	0.147	0.538	-0.361	0.192
LAIR1	0.486	0.020	-0.230	0.303
AKT2	0.413	0.394	-1.061	0.049
CD226	-0.003	0.984	0.002	0.992
C1QA	0.478	0.001	-0.173	0.310
BMP4	-0.230	0.303	-0.193	0.380
SCAMP3	0.182	0.553	0.215	0.516
GLA	0.016	0.910	-0.151	0.246
ADH1B	-0.188	0.695	0.628	0.153
SUMF1	0.109	0.602	0.803	0.000
PDGFRB	0.162	0.142	-0.061	0.617
ARL2BP	-0.050	0.847	-0.338	0.159
CEP85	-0.268	0.247	-0.191	0.412

COMMD9	-0.139	0.468	0.195	0.238
YOD1	0.004	0.986	-0.028	0.908
IGLON5	0.098	0.735	0.214	0.449
PGR	0.089	0.697	0.388	0.071
RBPMS	-0.089	0.852	0.620	0.123
CCL15	0.294	0.099	-0.104	0.599
NTproBNP	1.680	0.001	-0.492	0.278
GADD45GIP1	0.516	0.077	0.531	0.033
ODAM	-0.082	0.743	-0.739	0.001
IL2RB	0.370	0.067	0.205	0.296
TNFRSF11A	0.512	0.020	-0.397	0.197
ITGBL1	0.222	0.180	-0.058	0.670
CXADR	0.519	0.047	-0.021	0.928
FZD8	0.219	0.147	-0.383	0.071
IMPACT	0.452	0.026	-0.187	0.343
CFI	0.033	0.573	0.071	0.230
STAT2	0.459	0.123	-0.876	0.002
CTSS	0.087	0.302	0.098	0.325
F2	-0.136	0.055	-0.018	0.825
ADGRE5	-0.075	0.528	-0.219	0.121
STX16	-0.005	0.986	0.273	0.302
MGMT	0.028	0.941	-0.335	0.384
DDA1	0.306	0.165	0.087	0.706
EPHA2	0.491	0.014	-0.117	0.635
TNFAIP8	-0.214	0.546	0.345	0.348
BRDT	0.248	0.261	-0.317	0.169
ECM1	0.023	0.852	-0.291	0.041
PRL	0.076	0.793	0.051	0.877
NBN	0.301	0.443	0.850	0.022
NOTCH3	0.016	0.909	-0.309	0.051
NT5E	0.496	0.077	-0.154	0.546
TNFRSF4	0.288	0.068	-0.142	0.532
ITGA11	-0.660	0.000	-0.085	0.635
PCARE	0.146	0.600	-0.421	0.177
IL12RB1	0.060	0.719	-0.270	0.108
MIA	0.176	0.345	-0.379	0.033
CD209	-0.099	0.362	0.053	0.690
MAP2K6	-0.269	0.372	-0.253	0.413
APOL1	-0.028	0.898	0.205	0.420
GNE	0.051	0.839	0.232	0.316
DNLZ	0.620	0.079	0.170	0.664
DPEP1	-0.022	0.899	0.072	0.714
AGR2	1.867	0.002	-0.709	0.191
SEZ6	0.199	0.226	-0.149	0.351
VWC2	0.176	0.391	-0.331	0.129
ACY1	0.161	0.590	0.206	0.451
CHCHD10	0.660	0.026	0.086	0.773

CRX	0.166	0.674	0.354	0.353
LAYN	0.356	0.094	-0.472	0.042
FYB1	0.206	0.549	-0.451	0.309
TAX1BP1	0.062	0.817	-0.127	0.614
MRPS16	0.244	0.034	0.106	0.326
MUC2	0.048	0.888	-0.337	0.302
CLMP	-0.082	0.559	-0.369	0.070
TNFRSF17	0.275	0.032	-0.169	0.141
IL12A_IL12B	0.134	0.645	0.003	0.993
SCARB1	0.299	0.314	0.445	0.088
PGM2	-0.227	0.424	0.484	0.110
NMRK2	0.503	0.046	-0.168	0.425
SKIV2L	-0.129	0.660	-0.163	0.496
SLC13A1	-0.118	0.594	0.147	0.415
SIGLEC5	0.233	0.632	0.177	0.689
MCTS1	-0.227	0.465	0.906	0.000
SAT1	-0.166	0.480	0.477	0.022
UNC5D	0.162	0.220	-0.412	0.000
METAP1D	0.325	0.389	0.627	0.075
SCRG1	0.308	0.073	-0.400	0.014
PCDH17	-0.039	0.848	0.176	0.351
CTBS	-0.073	0.498	-0.078	0.419
IL13RA1	-0.028	0.756	-0.129	0.158
LYN	0.141	0.590	-0.157	0.668
TNFRSF1B	0.485	0.017	-0.119	0.592
NACC1	-0.067	0.820	-0.265	0.313
CSNK1D	0.344	0.391	0.586	0.172
LAP3	0.185	0.547	0.380	0.185
TP73	0.243	0.625	-0.497	0.311
SBSN	-0.139	0.253	-0.406	0.001
LGALS9	0.425	0.008	0.074	0.687
RAB27B	-0.128	0.641	-0.425	0.106
CRELD2	0.328	0.070	0.012	0.954
SPARCL1	-0.004	0.971	-0.264	0.029
DKK3	0.098	0.451	-0.184	0.241
NCAM2	-0.077	0.419	-0.218	0.118
PLB1	-0.291	0.120	-0.401	0.064
ORM1	0.236	0.102	-0.018	0.905
DCC	-0.078	0.306	-0.034	0.679
SEMA4C	-0.476	0.049	1.832	0.000
CRYM	0.445	0.211	-0.400	0.252
COL28A1	-0.300	0.169	-0.179	0.439
USP47	-0.085	0.762	0.401	0.090
EXTL1	-0.394	0.142	-0.570	0.019
IGFBP1	1.239	0.005	0.844	0.049
SEL1L	0.298	0.108	-0.547	0.003
IKBKG	-0.286	0.302	-0.419	0.157

APBB1IP	0.167	0.634	0.178	0.581
CDC26	0.296	0.283	0.404	0.117
COL18A1	0.326	0.001	-0.025	0.833
CPVL	-0.381	0.007	0.009	0.965
SUSD4	0.277	0.129	-0.350	0.070
EEF1D	-0.343	0.372	0.206	0.561
HCG22	0.293	0.252	0.116	0.619
NFASC	0.049	0.696	-0.212	0.089
F3	0.048	0.649	-0.406	0.067
OMP	0.126	0.546	-0.319	0.122
LYZL2	0.045	0.769	-0.114	0.458
HCLS1	0.144	0.513	-0.243	0.389
SCT	-0.126	0.346	-0.268	0.056
CFP	-0.168	0.019	-0.080	0.310
KLHL41	-0.893	0.001	-0.138	0.530
SIRPB1	0.430	0.013	-0.121	0.531
UHRF2	-0.011	0.958	-0.169	0.375
CD207	-0.040	0.806	-0.316	0.082
BACH1	0.212	0.363	-0.503	0.021
TXNDC5	0.518	0.036	0.011	0.964
MYL1	-0.089	0.754	-0.145	0.504
ACSL1	-0.120	0.559	0.111	0.564
SHC1	0.408	0.432	-0.442	0.415
ADAMTS4	0.540	0.005	-0.393	0.083
PPIE	0.112	0.782	-0.921	0.026
WASL	1.149	0.017	-0.601	0.214
PRDX1	-0.181	0.474	0.393	0.105
ANPEP	0.033	0.851	-0.147	0.342
ADAM23	-0.103	0.485	-0.233	0.329
BCAN	-0.102	0.528	-0.234	0.131
RWDD1	-0.053	0.829	-0.208	0.371
EIF2S2	0.177	0.607	-0.330	0.346
ROBO4	0.118	0.053	0.062	0.312
BABAM1	-0.069	0.687	0.054	0.786
MILR1	0.336	0.106	-0.456	0.025
ADAMTS8	-0.327	0.045	-0.258	0.145
FKBPL	0.155	0.540	0.201	0.379
DYNLT3	-0.081	0.731	-0.238	0.289
MCEMP1	0.064	0.875	-0.436	0.282
LEP	-1.256	0.002	-0.592	0.125
SARG	0.344	0.349	-0.813	0.041
NAGK	-0.277	0.291	0.306	0.236
CDC123	0.048	0.888	-0.555	0.065
CCNE1	0.376	0.039	0.126	0.424
RICTOR	0.092	0.586	-0.052	0.803
TFF1	1.153	0.000	-0.525	0.073
FKBP1B	-0.418	0.354	0.616	0.145



ENOPH1	-0.371	0.047	-0.179	0.450
TP53I3	0.090	0.699	0.298	0.144
IL31RA	-0.160	0.248	-0.053	0.709
IL16	-0.160	0.424	-0.206	0.400
PTGDS	0.201	0.187	-0.450	0.004
ICAM5	0.209	0.122	0.038	0.809
VWC2L	-0.143	0.422	-0.257	0.076
CEACAM19	-0.053	0.756	-0.506	0.001
KEL	0.341	0.037	0.162	0.333
GGT1	0.162	0.556	-0.094	0.695
PLA2G10	0.538	0.031	-0.398	0.114
NCAN	-0.285	0.044	-0.479	0.005
COPB2	0.173	0.582	-0.190	0.449
CXCL1	-0.027	0.915	0.055	0.830
SMAD3	0.565	0.118	-0.082	0.781
FETUB	0.088	0.666	0.094	0.611
RELT	0.244	0.131	-0.193	0.276
RNASE4	0.082	0.589	-0.186	0.167
GIGYF2	-0.186	0.556	0.028	0.924
FKBP7	0.131	0.542	-0.232	0.295
NFIC	0.012	0.944	-0.040	0.775
TARS1	0.129	0.359	-0.205	0.218
LZTFL1	-0.082	0.763	-0.115	0.668
MOCS2	0.206	0.396	0.007	0.975
VSIG10	-0.001	0.994	-0.002	0.985
AREG	0.744	0.059	0.290	0.477
PTPRN2	0.388	0.110	-0.204	0.282
PSME2	0.144	0.388	0.323	0.063
JAM3	0.517	0.007	-0.582	0.002
PON2	0.179	0.261	-0.059	0.722
PVALB	0.150	0.617	-0.142	0.697
AKAP12	-0.090	0.327	0.331	0.001
LRIG1	0.221	0.183	-0.154	0.508
NIT1	-0.052	0.702	-0.214	0.157
EIF2AK2	-0.244	0.605	-0.752	0.081
SLITRK1	-0.043	0.758	-0.431	0.002
GP2	0.600	0.089	-0.485	0.248
FSHB	0.230	0.203	0.295	0.287
ROR1	0.206	0.107	-0.228	0.138
RRM2B	-0.210	0.446	-0.118	0.649
COX6B1	0.208	0.500	-0.192	0.514
CPOX	0.038	0.795	0.117	0.336
TPK1	0.033	0.826	-0.217	0.115
EGF	0.267	0.447	-0.459	0.194
SSBP1	0.161	0.612	-0.031	0.914
SERPINE2	0.162	0.522	-0.299	0.243
ROBO2	-0.119	0.288	-0.125	0.319

TPSAB1	0.069	0.694	0.079	0.729
MYCBP2	0.220	0.369	-0.199	0.382
IL31	0.232	0.349	-0.456	0.080
UBAC1	0.010	0.938	0.159	0.325
MAP2K1	0.003	0.992	0.405	0.191
SFTPA2	0.028	0.907	-0.132	0.625
SFTPD	0.065	0.736	0.146	0.465
EVI5	-0.565	0.076	-0.272	0.387
MTR	0.131	0.526	-0.067	0.719
STAU1	0.414	0.177	0.014	0.959
BAG6	-0.174	0.198	-0.158	0.305
LAT2	-0.257	0.509	-0.584	0.127
EDF1	-0.086	0.834	-0.028	0.939
TCN1	0.222	0.319	-0.165	0.333
FLT4	0.333	0.013	-0.035	0.779
IL22	0.858	0.003	-0.068	0.810
CD3G	0.189	0.561	-0.449	0.190
ITPA	-0.008	0.978	-1.356	0.000
KLK11	0.107	0.505	-0.467	0.002
ACE2	0.790	0.017	-0.199	0.498
GPR158	0.223	0.187	-0.690	0.000
NCF2	0.573	0.255	-0.529	0.300
UXS1	0.142	0.407	0.079	0.699
CSPG5	0.344	0.063	-0.796	0.000
CTNNA1	0.147	0.450	0.080	0.629
HMCN2	-0.569	0.023	-0.253	0.281
FGA	0.294	0.305	-1.057	0.098
FGF9	-0.177	0.628	0.299	0.381
TNFRSF10B	0.675	0.039	-0.009	0.976
UROD	0.147	0.494	-0.115	0.621
TOP1	-0.262	0.435	-0.554	0.072
CEP20	-0.433	0.135	0.025	0.936
PRKG1	0.009	0.983	-0.278	0.475
AIF1L	0.281	0.057	-0.455	0.004
HS6ST2	-0.143	0.426	-0.509	0.004
FOSB	0.234	0.417	0.594	0.036
PMCH	0.015	0.929	0.090	0.622
NUDT5	0.274	0.232	-0.109	0.621
CXCL11	1.051	0.001	-0.161	0.582
PAFAH1B3	-0.029	0.910	-0.130	0.556
RIDA	0.124	0.718	0.702	0.023
ACRV1	0.438	0.227	-0.532	0.008
GIPR	0.415	0.384	-1.067	0.029
ABCA2	0.203	0.256	-0.266	0.101
KIRREL2	0.163	0.312	-0.147	0.319
HSPB6	0.087	0.696	0.137	0.620
C9	0.320	0.033	0.046	0.760

NPR1	0.153	0.172	-0.029	0.814
RGS8	-0.203	0.214	-0.031	0.869
CD160	0.338	0.057	-0.307	0.169
ITGB7	-0.252	0.153	-0.268	0.213
LAMA4	-0.041	0.760	-0.323	0.022
IL1A	-0.347	0.088	1.402	0.000
IL18BP	0.237	0.131	0.062	0.720
FABP2	0.236	0.415	-0.506	0.070
SORBS1	0.295	0.245	0.617	0.033
GSTP1	-0.334	0.216	0.079	0.716
HNRNPK	0.310	0.471	-0.677	0.112
FCRL2	-0.204	0.168	-0.300	0.143
GJA8	0.507	0.040	-0.127	0.658
CCL18	0.515	0.014	0.139	0.529
PECR	-0.052	0.473	0.178	0.042
S100A3	0.001	0.994	0.290	0.043
RBP5	0.279	0.371	0.188	0.554
QPCT	0.005	0.956	-0.133	0.214
ARNT	0.190	0.360	0.579	0.000
BCL2L15	0.397	0.369	-0.093	0.823
PI3	0.528	0.025	-0.313	0.156
SKAP2	-0.442	0.164	-0.103	0.748
C7	0.247	0.076	-0.188	0.169
CCN3	0.223	0.141	-0.393	0.033
RBFOX3	0.964	0.005	0.526	0.099
SIGLEC10	0.394	0.115	-0.031	0.895
FDX2	0.827	0.033	0.819	0.003
KIF22	0.572	0.117	-1.156	0.005
SERPINI1	-0.009	0.939	-0.008	0.959
APOC1	-0.143	0.454	-0.163	0.309
CTLA4	0.012	0.962	0.125	0.668
BCAT1	0.111	0.495	0.645	0.000
CASP3	0.060	0.838	-0.257	0.348
IL17A	1.066	0.003	0.519	0.091
CD84	-0.065	0.568	-0.120	0.447
EREG	0.357	0.492	0.155	0.750
HGS	0.112	0.717	0.155	0.620
CHL1	-0.027	0.837	-0.224	0.108
ELOA	0.217	0.598	0.245	0.556
EPHA10	-0.041	0.876	0.017	0.954
DBH	-0.552	0.121	-0.673	0.013
HK2	-0.173	0.680	0.289	0.469
PPT1	0.302	0.198	0.161	0.432
TFF2	0.326	0.236	-0.376	0.137
ITGA5	0.075	0.458	-0.129	0.405
AFAP1	-0.582	0.334	-0.236	0.633
CRNN	-0.115	0.616	-0.195	0.381

SSH3	-0.111	0.287	0.357	0.002
LRRC37A2	0.140	0.351	-0.032	0.815
CENPF	0.101	0.692	0.201	0.414
IL2	0.151	0.630	0.014	0.960
ZPR1	-0.248	0.348	-0.314	0.203
UMOD	-0.121	0.429	0.052	0.764
ACP6	0.332	0.070	-0.196	0.471
CDKL5	0.254	0.243	-0.007	0.975
SKAP1	0.252	0.482	-0.457	0.215
OSBPL2	-0.215	0.216	0.362	0.064
RELB	0.358	0.280	-0.687	0.109
MAPT	0.533	0.282	-1.972	0.000
EPHB4	0.251	0.069	-0.079	0.607
NCK2	0.528	0.147	-0.180	0.633
NXPE4	0.106	0.671	-0.859	0.000
ANXA10	0.024	0.943	-0.365	0.359
DHPS	-0.014	0.961	0.812	0.003
STX3	-0.155	0.167	0.125	0.366
IFNGR1	0.100	0.364	-0.197	0.072
MAP1LC3B2	0.091	0.638	-0.090	0.701
TPRKB	0.159	0.578	0.014	0.955
HS6ST1	-0.168	0.269	0.030	0.884
MUC16	0.891	0.019	0.558	0.184
IL1B	0.125	0.790	-0.165	0.727
CEACAM6	-0.023	0.933	-0.165	0.393
IGBP1	0.004	0.988	0.200	0.429
HGF	0.510	0.069	0.360	0.284
RABEPK	-0.071	0.753	0.321	0.154
BAMBI	0.260	0.091	0.060	0.633
CTRC	-0.357	0.284	-1.462	0.000
VSNL1	0.102	0.719	0.078	0.759
NPTXR	-0.156	0.362	-0.098	0.463
CD48	0.044	0.712	0.040	0.775
NRP1	0.170	0.122	0.024	0.831
MYLPF	-0.322	0.404	-0.046	0.891
ACPI	-0.430	0.104	1.259	0.000
SSB	0.185	0.543	0.371	0.201
FHIP2A	-0.118	0.596	0.242	0.205
SNCA	0.958	0.017	0.021	0.957
OSCAR	0.398	0.003	0.003	0.984
PODXL2	-0.041	0.759	-0.193	0.184
RAB11FIP3	-0.245	0.515	-0.951	0.004
RAB44	0.212	0.680	-0.119	0.811
TXNL1	0.119	0.584	-0.171	0.502
VAMP8	-0.400	0.224	-0.328	0.282
LYPD1	0.249	0.487	-0.606	0.041
TRIM5	-0.832	0.001	-0.561	0.035

RSPO1	0.361	0.208	-0.048	0.872
IL9	0.183	0.394	-0.617	0.007
KLKB1	-0.087	0.300	-0.110	0.242
SPINK2	0.055	0.706	-0.262	0.103
SIGLEC15	0.000	0.999	0.081	0.727
MBL2	-0.034	0.914	0.009	0.976
ADA2	0.228	0.160	-0.040	0.805
PRKAR2A	-0.179	0.516	-0.015	0.955
RAB10	-0.036	0.917	0.073	0.806
CHCHD6	0.647	0.006	0.164	0.359
CHMP6	0.112	0.566	-0.491	0.007
SPTLC1	-0.089	0.714	-0.058	0.809
PTPRH	0.106	0.643	-0.073	0.753
CRH	-0.470	0.217	-0.490	0.236
CREG1	-0.316	0.062	-0.010	0.955
PRTN3	-0.224	0.417	0.216	0.492
ESYT2	-0.047	0.880	-0.338	0.269
GRPEL1	0.929	0.011	0.710	0.042
MNDA	0.513	0.273	0.354	0.440
GASK1A	0.031	0.890	0.715	0.001
CYTH3	0.383	0.147	-0.197	0.496
FAM171A2	0.182	0.677	-0.240	0.573
EIF4EBP1	0.436	0.104	0.204	0.505
MAN2B2	-0.388	0.059	-0.261	0.174
SERPINF2	-0.046	0.577	0.022	0.844
GHR	-0.562	0.000	-0.004	0.980
CD248	-0.096	0.564	-0.103	0.539
IGSF21	-0.499	0.003	-0.194	0.200
STAB2	0.072	0.445	-0.081	0.402
ZHX2	0.031	0.914	0.270	0.395
EVI2B	0.507	0.063	0.028	0.901
SNED1	0.006	0.970	0.245	0.165
PMS1	0.770	0.026	0.919	0.005
FABP1	0.712	0.156	0.170	0.712
CLC	-0.021	0.956	-0.062	0.849
LPA	0.949	0.020	-0.718	0.079
CTRL	0.072	0.813	-0.645	0.040
GPIHBP1	0.185	0.100	-0.309	0.016
GPI	-0.187	0.522	0.171	0.505
SCRN1	-0.319	0.315	1.700	0.000
FGFBP3	0.192	0.293	0.251	0.100
GBP6	0.109	0.727	0.421	0.237
SOX2	0.300	0.271	0.364	0.071
RAB33A	-0.494	0.100	-0.397	0.136
BTD	-0.217	0.027	-0.046	0.644
SHD	0.356	0.390	-0.497	0.136
WASF3	-0.157	0.721	2.143	0.000

BTN1A1	0.253	0.113	0.061	0.719
OSTN	-0.013	0.942	-0.010	0.965
BLOC1S3	-0.005	0.981	0.060	0.725
DEFB118	-0.051	0.874	0.313	0.316
IL3RA	-0.075	0.474	-0.052	0.570
CA11	0.047	0.677	0.111	0.347
FGFBP2	-0.436	0.038	-0.340	0.087
HDAC8	-0.600	0.027	-0.220	0.453
FADD	-0.297	0.364	0.008	0.976
THY1	0.083	0.576	-0.366	0.020
CACYBP	-0.209	0.535	-0.369	0.225
SMAD1	-0.117	0.673	-0.190	0.447
GFAP	0.378	0.129	-0.104	0.675
ITGA2	-0.196	0.266	-0.315	0.081
NAGPA	-0.147	0.128	0.073	0.469
IL36G	0.059	0.789	0.281	0.182
HSD17B3	1.242	0.001	0.396	0.174
BLOC1S2	-0.551	0.268	-0.372	0.345
IMPG1	0.115	0.414	-0.018	0.872
RNASE3	-0.806	0.125	0.307	0.603
LONP1	0.707	0.085	0.160	0.647
ARID3A	-0.110	0.167	0.138	0.141
PTPRZ1	0.002	0.989	-0.225	0.144
IGDCC3	-0.093	0.577	-0.605	0.000
IL1R2	-0.152	0.130	-0.179	0.092
GFER	0.747	0.018	-0.592	0.050
THBS2	0.289	0.271	-0.039	0.872
PHLDB2	-0.827	0.069	-0.663	0.113
MAP1LC3A	0.112	0.529	-0.232	0.160
UBE2B	-0.024	0.882	-0.263	0.115
PRELP	0.017	0.885	-0.326	0.018
DAPK2	-0.144	0.774	-0.348	0.472
SUSD5	0.422	0.000	-0.064	0.617
RBP2	0.336	0.243	-0.324	0.225
DBI	-0.052	0.858	-0.155	0.591
DTX3	0.323	0.027	0.049	0.736
ALDH3A1	0.357	0.349	0.753	0.052
LRRC38	-0.011	0.962	-0.265	0.257
KIR3DL2	0.002	0.993	-0.725	0.003
DSCAM	0.012	0.940	0.080	0.572
NECTIN2	0.390	0.013	-0.138	0.439
NINJ1	0.340	0.126	-0.028	0.898
S100G	-0.006	0.979	-0.371	0.069
PPCDC	-0.029	0.875	0.052	0.761
STK11	0.642	0.016	-0.087	0.758
C5	0.066	0.328	0.004	0.950
FBN2	0.339	0.181	-0.001	0.995

GPR101	-0.334	0.269	-0.916	0.003
CCN4	0.371	0.031	-0.417	0.069
HMOX2	-0.027	0.927	-0.133	0.637
SEZ6L	0.061	0.661	-0.463	0.000
CEP43	0.251	0.330	-0.104	0.674
DLL4	0.320	0.137	-0.275	0.291
MORF4L1	0.523	0.270	0.571	0.176
SPINK1	0.510	0.129	-0.149	0.628
MPHOSPH8	0.017	0.959	-0.145	0.632
ECHS1	0.725	0.103	0.938	0.020
KLRK1	0.022	0.880	-0.126	0.328
FAM3D	0.588	0.008	-0.430	0.031
HSDL2	-0.144	0.573	-0.201	0.355
PGF	0.320	0.065	-0.263	0.300
GHRHR	-0.433	0.052	-0.370	0.177
ACTA2	0.841	0.000	0.214	0.423
IL15RA	0.287	0.071	0.238	0.153
PRG3	-0.078	0.649	0.084	0.581
CSNK2A1	0.140	0.475	-0.022	0.910
ARHGEF12	0.286	0.336	-1.278	0.000
CCS	-0.324	0.146	0.314	0.198
CD8A	0.188	0.363	-0.464	0.030
EPN1	-0.221	0.398	-0.109	0.695
MPO	-0.133	0.607	0.373	0.204
PDCD5	0.270	0.239	0.108	0.642
PAM	-0.064	0.593	-0.101	0.414
CXCL6	0.103	0.654	0.267	0.385
AXIN1	0.161	0.584	-0.726	0.007
HHEX	-0.054	0.857	-0.022	0.932
TMPRSS5	-0.095	0.611	-0.050	0.790
PTS	0.358	0.386	0.747	0.047
AGRN	0.317	0.105	-0.294	0.134
PQBP1	0.258	0.439	0.852	0.005
NME1	0.237	0.054	-0.086	0.429
USP8	0.120	0.721	-0.073	0.815
PFDN2	0.074	0.689	-0.865	0.000
PRSS53	-0.241	0.071	-0.267	0.041
CCL13	0.096	0.623	-0.253	0.362
SEMA4D	0.084	0.447	-0.257	0.029
PLA2G7	-0.029	0.806	0.059	0.688
ARF6	-1.020	0.007	0.107	0.759
GLI2	0.085	0.301	-0.017	0.837
GGACT	-0.141	0.618	-0.416	0.089
ALPP	0.269	0.541	0.356	0.325
ADGRD1	0.271	0.119	0.013	0.928
TNFRSF6B	0.546	0.086	0.247	0.459
YES1	0.176	0.641	-0.889	0.012

CST5	0.180	0.440	-0.243	0.365
PPP1R12B	0.446	0.342	-0.790	0.043
NRGN	0.372	0.299	-1.101	0.001
JMJD1C	0.004	0.984	-0.376	0.077
SLK	0.000	1.000	0.714	0.076
GFRAL	0.011	0.961	0.026	0.886
SLC39A14	0.286	0.290	0.039	0.883
VPS28	0.212	0.402	-0.103	0.687
CHRD1	0.074	0.607	-0.373	0.066
IL21R	0.112	0.562	-0.206	0.279
CD300LF	0.222	0.340	-0.226	0.446
CAMKK1	0.250	0.353	-0.406	0.113
EIF5	0.083	0.756	-0.088	0.711
MANEAL	0.060	0.754	-0.105	0.562
TFAP2A	-0.061	0.864	0.625	0.127
HSD11B1	0.156	0.264	0.066	0.625
SNX9	0.157	0.512	-0.102	0.655
FGF20	-0.031	0.832	-0.169	0.155
CD34	-0.185	0.099	-0.251	0.029
CMIP	-0.007	0.984	-0.913	0.003
PODXL	-0.043	0.512	-0.128	0.558
CD99L2	0.065	0.509	-0.401	0.002
MAN1A2	0.039	0.755	-0.019	0.865
TOP2B	0.348	0.346	0.391	0.280
RAB6B	-0.079	0.591	-0.043	0.810
NPDC1	0.352	0.060	-0.102	0.610
NFKBIE	0.220	0.404	-0.439	0.098
IL6R	0.234	0.026	-0.033	0.770
CRHR1	0.479	0.027	-0.143	0.602
CALCOCO1	-0.103	0.781	-0.518	0.163
GCG	0.273	0.543	-0.431	0.401
CEACAM5	1.009	0.022	0.582	0.121
SMAD5	-0.201	0.150	-0.019	0.909
FCRL6	0.359	0.081	0.263	0.254
IGFBP7	0.180	0.146	-0.211	0.137
RBP1	0.750	0.054	-0.199	0.636
SPINK4	0.535	0.044	-0.157	0.528
GOPC	0.020	0.952	-0.800	0.018
FNTA	-0.078	0.667	0.165	0.375
ING1	-0.062	0.846	0.437	0.172
SMPD1	0.274	0.074	-0.395	0.018
SNRPB2	0.493	0.321	0.462	0.355
SIRT5	-0.343	0.082	0.954	0.000
ARHGAP45	0.056	0.849	-0.979	0.000
PARK7	0.048	0.824	-0.217	0.322
AP3S2	0.099	0.708	0.155	0.493
BAP18	-0.014	0.973	0.568	0.164



ATP6V1G1	-0.441	0.148	1.118	0.000
DNAJC6	0.673	0.059	0.325	0.306
ITGB5	0.198	0.340	-0.123	0.546
PSMD5	-0.048	0.778	1.036	0.000
IFT20	-0.148	0.540	-0.609	0.005
H2AP	0.382	0.125	-0.227	0.247
GIPC2	0.597	0.009	0.230	0.287
CDC25A	0.052	0.836	-0.493	0.022
HSPG2	0.023	0.879	-0.372	0.020
PARP1	0.634	0.107	-0.102	0.800
OTUD7B	0.357	0.127	-0.314	0.171
PRSS22	0.113	0.704	-0.481	0.008
PDCD1LG2	0.368	0.002	0.030	0.841
CA7	-0.144	0.554	-0.683	0.012
CDH23	0.204	0.135	-0.145	0.324
FCER2	-0.295	0.085	-0.052	0.785
CRTAM	0.140	0.456	-0.026	0.896
SLC51B	0.045	0.826	-0.442	0.073
PKD1	0.105	0.371	-0.268	0.020
STK4	0.265	0.411	-0.282	0.417
MYOC	-0.548	0.014	-0.500	0.031
ITIH1	-0.098	0.237	-0.067	0.453
NECAP2	-0.096	0.717	-0.195	0.428
FCGR2B	-0.080	0.732	0.406	0.095
PFDN6	0.239	0.630	0.779	0.123
B3GNT7	-0.033	0.777	0.059	0.628
DCN	0.192	0.109	-0.229	0.094
CEP152	-0.263	0.449	0.126	0.736
POMC	-0.222	0.553	-0.130	0.785
CEACAM16	-1.561	0.000	-0.496	0.064
PCDH12	-0.057	0.578	-0.330	0.000
TCOF1	0.502	0.124	0.148	0.590
FKBP4	0.225	0.227	0.271	0.176
MEP1B	-1.120	0.000	-0.427	0.188
CPA4	-0.269	0.120	-0.205	0.202
APEX1	0.150	0.609	0.132	0.719
IL15	-0.145	0.358	0.005	0.981
DDHD2	0.022	0.915	-0.536	0.004
CRISP2	0.117	0.513	0.192	0.485
CLPP	0.786	0.031	0.343	0.323
CLEC11A	-0.055	0.713	0.148	0.367
IL18R1	0.218	0.175	0.105	0.655
MAEA	-0.171	0.450	1.474	0.000
VSTM2L	-0.068	0.731	-0.184	0.325
NECTIN4	0.396	0.081	-0.493	0.014
TRAF3IP2	-0.100	0.684	-0.156	0.511
EPGN	0.176	0.240	-0.377	0.007

TCN2	0.133	0.232	0.097	0.438
PTPN9	-0.280	0.218	0.063	0.799
IRAK1	-0.092	0.694	-0.325	0.132
RGMB	-0.080	0.531	-0.421	0.001
SHISA5	0.267	0.215	-0.257	0.219
ROBO1	-0.003	0.982	-0.044	0.766
ZBTB17	0.169	0.467	0.172	0.494
SCARA5	0.129	0.479	-0.405	0.027
CXCL3	-0.266	0.383	-0.108	0.681
PDCD1	0.171	0.242	-0.300	0.136
VCPKMT	0.596	0.023	-0.088	0.760
MET	0.001	0.993	-0.053	0.626
RILP	0.269	0.229	0.108	0.698
TDRKH	0.517	0.099	0.371	0.237
FCN2	0.155	0.400	-0.256	0.202
CXCL17	0.595	0.008	-0.431	0.100
GUCA2A	0.344	0.024	-0.543	0.004
SYTL4	0.191	0.642	-0.155	0.684
NDRG1	-0.272	0.211	0.063	0.800
SPRR1B	1.265	0.077	-2.092	0.002
CD93	-0.002	0.989	-0.220	0.118
NFE2	-0.156	0.603	-0.151	0.571
GDF2	-0.154	0.363	-0.507	0.011
PDXDC1	0.203	0.170	0.156	0.333
MKI67	0.539	0.228	0.902	0.045
METAP1	-0.089	0.422	-0.017	0.860
KLK13	-0.425	0.022	-0.508	0.025
FGF23	0.766	0.087	-0.436	0.353
ERBB2	-0.097	0.488	-0.093	0.345
SNX2	0.494	0.107	-0.491	0.173
MARCO	0.231	0.029	0.163	0.178
SMOC2	0.065	0.670	-0.171	0.304
ANGPTL2	-0.035	0.861	0.300	0.137
CD5	0.082	0.545	-0.393	0.068
PAIP2B	0.073	0.816	-0.062	0.805
KLK15	-0.167	0.306	-0.402	0.007
THBD	0.025	0.849	-0.239	0.087
RAP1A	0.003	0.994	0.616	0.044
HADH	0.077	0.797	-0.361	0.155
PENK	0.009	0.950	-0.251	0.152
DRAXIN	-0.003	0.989	-0.239	0.275
CA5A	0.460	0.410	0.648	0.169
PCBD1	0.081	0.806	0.499	0.087
GRIN2B	0.130	0.540	-0.009	0.970
CABP2	-0.077	0.790	-0.639	0.016
ZP4	0.192	0.465	-0.191	0.456
CDKN1A	0.301	0.375	-0.178	0.642

ADAM12	0.844	0.005	-0.555	0.034
VAT1	-0.178	0.147	0.247	0.072
DENR	0.356	0.150	-0.291	0.222
LILRA4	0.127	0.608	0.281	0.259
PROC	0.069	0.578	0.107	0.455
MTDH	0.639	0.058	-0.360	0.338
LGALS3BP	0.240	0.101	0.079	0.588
FH	-0.057	0.900	0.293	0.473
CEP164	-0.015	0.948	-0.028	0.890
ASPSR1	-0.038	0.838	-0.138	0.465
MPRIP	-0.052	0.703	0.027	0.836
OPHN1	0.390	0.255	-1.192	0.001
CELA3A	0.062	0.829	-0.563	0.040
DIPK1C	0.261	0.142	0.148	0.584
MSLN	0.335	0.121	0.053	0.817
C9orf40	0.169	0.488	0.239	0.362
THBS4	-0.109	0.625	-0.136	0.541
MED21	0.068	0.725	0.043	0.788
C1RL	0.052	0.529	-0.164	0.098
DLGAP5	0.491	0.075	-0.173	0.459
TNFRSF8	0.408	0.020	0.023	0.913
CASP8	-0.680	0.065	1.855	0.000
MYH4	0.255	0.447	0.342	0.172
OMD	-0.433	0.006	-0.086	0.630
GCNT1	0.316	0.023	0.346	0.070
IL4	0.809	0.169	-0.453	0.396
CD244	0.019	0.860	-0.193	0.201
HTRA2	0.232	0.356	0.168	0.464
CD28	0.149	0.339	-0.115	0.520
DAB2	0.342	0.292	0.214	0.557
ARG2	0.662	0.015	0.052	0.835
SOX9	1.009	0.008	1.317	0.001
AHNAK	0.175	0.302	-0.099	0.545
IFNAR1	-0.098	0.181	-0.094	0.196
F12	-0.044	0.705	-0.298	0.024
RPA2	-0.101	0.697	0.082	0.729
SLAMF6	0.405	0.026	-0.561	0.003
POSTN	0.389	0.020	-0.027	0.869
CA2	0.268	0.313	0.168	0.582
GFOD2	-0.243	0.407	-0.040	0.897
KLK3	0.462	0.229	0.348	0.028
ENO1	-0.021	0.935	0.169	0.531
TEX101	-0.324	0.280	-0.201	0.384
CSH1	0.075	0.799	0.068	0.749
CTSF	0.344	0.038	-0.063	0.722
TRIM26	-0.278	0.290	-0.274	0.370
DSG3	-0.167	0.258	-0.427	0.050

CD177	0.302	0.487	0.390	0.376
SNAP25	0.283	0.237	-0.282	0.116
FAM13A	0.411	0.165	-0.017	0.950
YJU2	0.123	0.570	0.276	0.179
CD86	-0.179	0.157	-0.106	0.420
CANT1	0.138	0.159	-0.233	0.039
LRTM2	-0.016	0.875	-0.506	0.001
ARSB	-0.315	0.221	0.414	0.169
MST1	-0.130	0.339	-0.312	0.054
JAM2	0.008	0.947	-0.416	0.002
LEFTY2	0.305	0.155	0.018	0.944
ICAM1	0.349	0.033	0.208	0.229
SPINK6	-0.126	0.482	-0.264	0.207
CYP24A1	0.072	0.823	0.283	0.312
CRHBP	-0.107	0.375	-0.243	0.114
ITGB1BP1	0.266	0.330	0.515	0.038
TK1	0.209	0.345	0.363	0.200
CNTNAP4	0.333	0.178	0.121	0.641
CHRM1	-0.141	0.513	0.144	0.593
CAPG	0.015	0.963	0.005	0.987
SETMAR	-0.170	0.441	0.340	0.131
PTPRK	0.235	0.051	-0.017	0.859
TBR1	0.152	0.459	0.562	0.014
GLRX	-0.047	0.832	-0.275	0.243
TNFSF13B	0.195	0.200	0.166	0.326
THTPA	-0.009	0.977	-0.379	0.152
TIMP1	0.457	0.013	0.163	0.413
NPHS2	0.166	0.619	-0.414	0.213
CCL14	0.302	0.023	-0.097	0.478
MTSS2	0.498	0.132	-1.218	0.000
SUSD1	0.353	0.093	-0.697	0.001
PON3	-0.559	0.013	-0.371	0.054
PRTFDC1	0.126	0.763	-1.344	0.008
SCN3A	0.030	0.926	2.065	0.000
LAG3	0.193	0.250	0.100	0.614
FARSA	0.161	0.678	0.005	0.988
CGN	0.776	0.009	0.231	0.376
DUOX2	0.391	0.119	0.114	0.699
RNF4	0.151	0.798	-0.875	0.143
IZUMO1	0.354	0.090	0.314	0.117
GMPR2	-0.099	0.700	-0.059	0.812
DEFB116	0.518	0.037	-0.235	0.344
TP53	0.228	0.440	-0.429	0.145
SUMF2	-0.112	0.511	0.120	0.485
FEN1	-0.057	0.912	0.646	0.231
SIGLEC1	0.462	0.018	0.051	0.805
DCTPP1	0.209	0.368	0.168	0.421

SLC44A4	0.123	0.693	0.277	0.394
DIABLO	0.174	0.669	-0.144	0.722
PDAP1	0.385	0.250	-0.508	0.186
TACC3	-0.580	0.130	-0.304	0.388
SELP	-0.036	0.867	-0.050	0.821
SERPINI2	0.018	0.938	-0.531	0.020
SPTBN2	0.100	0.630	0.244	0.180
ADAM22	0.037	0.846	-0.290	0.202
COL2A1	-0.230	0.421	-0.146	0.604
FGL1	1.002	0.002	0.015	0.964
SERPINB5	-0.024	0.952	0.632	0.073
GCC1	0.013	0.970	-0.300	0.333
CPE	-0.091	0.460	-0.199	0.148
ESAM	0.205	0.112	-0.060	0.645
CXCL16	0.055	0.629	-0.164	0.205
MAPKAPK2	-0.264	0.362	-0.317	0.282
CASP10	-0.212	0.544	0.556	0.134
ATG4A	0.236	0.310	0.182	0.478
RBM17	0.283	0.389	-0.672	0.046
NUDT2	-0.705	0.002	0.388	0.050
ELAVL4	0.588	0.130	-0.094	0.697
ENPP6	-0.496	0.007	-0.403	0.011
ICAM4	-0.036	0.841	-0.130	0.490
FRMD4B	-0.107	0.726	-0.467	0.095
STEAP4	-0.013	0.959	-0.693	0.016
FLT3LG	0.259	0.142	-0.083	0.695
IL1RL1	0.569	0.100	0.354	0.333
TBCB	-0.083	0.810	-0.415	0.239
DEFA1B; DEFA1	0.093	0.764	-0.498	0.108
HAO1	0.279	0.583	0.444	0.340
BMPER	-0.033	0.769	0.135	0.206
UBXN1	0.055	0.826	0.079	0.741
HSP90B1	0.075	0.742	-0.200	0.456
EFHD1	0.469	0.043	0.044	0.856
TNFSF10	-0.120	0.377	-0.265	0.254
ANGPTL1	0.161	0.243	0.104	0.477
TPT1	-0.103	0.785	-0.436	0.177
CES2	-0.170	0.369	-0.052	0.813
INSL3	-0.047	0.914	0.571	0.052
ISM1	0.117	0.448	-0.223	0.240
SMAD2	0.514	0.167	-0.905	0.007
HBZ	-0.164	0.686	0.469	0.212
NT5C1A	0.820	0.031	1.122	0.006
MYOM2	-0.576	0.193	-0.883	0.017
ATP5F1D	0.951	0.010	0.413	0.191
HPCAL1	0.034	0.884	-0.835	0.004
CSF2RA	0.081	0.661	-0.132	0.484

ARTN	0.051	0.774	-0.367	0.017
GMPR	0.368	0.094	0.163	0.592
RPL14	0.363	0.104	-0.169	0.437
BMP10	-0.116	0.316	-0.235	0.062
CLSTN3	-0.202	0.175	-0.120	0.356
SHH	0.092	0.530	0.192	0.085
FSTL1	0.070	0.428	-0.091	0.240
CFC1	-0.143	0.397	-0.595	0.001
DAAM1	0.228	0.463	-0.977	0.001
SORD	-0.054	0.895	-0.006	0.989
AHCY	-0.279	0.329	0.543	0.042
PDLIM7	-0.401	0.297	0.542	0.152
CEBPA	0.033	0.867	0.214	0.366
PILRB	0.313	0.079	-0.117	0.542
NDUFB7	0.037	0.904	-0.249	0.367
NELL1	-0.494	0.005	0.052	0.741
NLGN2	0.208	0.382	-0.357	0.135
YTHDF3	0.334	0.326	0.383	0.265
ADAMTSL4	0.454	0.008	-0.101	0.530
NPL	0.307	0.264	0.424	0.087
STXBP3	-0.225	0.459	0.562	0.085
TMED1	-0.386	0.578	-0.995	0.137
CTSC	-0.365	0.040	0.756	0.000
LAMP2	-0.108	0.207	-0.096	0.339
MTSS1	-0.246	0.514	-0.272	0.412
SSC5D	0.239	0.125	-0.161	0.301
SCGN	0.364	0.070	-0.004	0.980
DPP7	-0.182	0.470	0.401	0.064
INSL4	0.380	0.302	-0.330	0.220
BGLAP	-0.399	0.363	-0.440	0.316
APOD	-0.009	0.947	-0.132	0.269
SEMA3F	-0.049	0.704	-0.221	0.097
CLEC7A	0.727	0.001	-0.391	0.082
VSIR	-0.352	0.257	-0.280	0.399
TREML2	0.027	0.840	-0.086	0.526
AHSA1	0.202	0.343	0.238	0.257
NFU1	0.368	0.351	0.564	0.145
IL18RAP	-0.439	0.272	-0.211	0.646
SCP2	0.070	0.844	1.080	0.000
SULT1A1	0.174	0.646	-0.777	0.047
DCLRE1C	0.284	0.077	0.090	0.622
CACNA1C	0.392	0.174	0.571	0.005
LILRB5	-0.090	0.704	-0.335	0.142
CLINT1	0.369	0.113	-0.902	0.001
LAMTOR5	0.056	0.854	0.162	0.592
ATP1B4	0.146	0.377	0.895	0.000
ASGR2	0.389	0.027	-0.052	0.762

CLEC14A	0.108	0.438	-0.157	0.284
BCAT2	0.023	0.923	-0.346	0.171
GPR15L	0.146	0.515	-0.276	0.151
IQGAP2	-0.920	0.012	0.724	0.029
CPA2	0.202	0.519	-0.638	0.038
ANXA3	0.072	0.815	-0.370	0.260
KAZN	-0.065	0.850	-0.875	0.008
TXN	-0.097	0.657	0.287	0.118
VEGFA	0.428	0.054	-0.139	0.622
DDX53	-0.039	0.716	0.027	0.851
ZNRD2	0.696	0.051	-0.100	0.745
F13B	-0.062	0.289	-0.139	0.126
IL10	0.469	0.371	1.269	0.025
FRMD7	0.157	0.220	0.358	0.008
AOC3	-0.027	0.818	-0.235	0.066
HMMR	-0.117	0.714	-0.373	0.180
ERMAP	0.365	0.091	0.188	0.273
CIT	0.658	0.045	0.573	0.023
DNAJB6	-0.682	0.024	-0.082	0.769
COQ7	0.134	0.552	0.092	0.647
RAB3GAP1	0.088	0.709	-0.433	0.115
DUSP3	-0.640	0.061	-0.283	0.426
TXNDC9	0.383	0.236	-0.167	0.567
RTKN2	-0.004	0.991	-0.048	0.874
NMT1	0.038	0.906	-0.312	0.334
STX1B	0.139	0.418	-0.088	0.579
DPP6	-0.097	0.483	-0.028	0.861
HEPACAM2	0.156	0.341	0.074	0.646
SLAMF8	0.606	0.035	0.088	0.747
POLR2A	0.161	0.266	0.351	0.094
PCOLCE	0.061	0.713	-0.189	0.241
LRPAP1	0.262	0.161	0.161	0.403
ITGB1	-0.086	0.353	-0.188	0.136
RECK	-0.085	0.327	-0.061	0.471
LAMB1	0.162	0.189	-0.095	0.407
GPD1	-0.206	0.547	0.980	0.003
AKR1C4	0.241	0.545	0.029	0.944
ATP6V1D	0.007	0.956	0.527	0.000
CCDC80	0.260	0.124	-0.213	0.358
GIP	0.500	0.004	0.027	0.851
MFAP3L	-0.374	0.128	0.010	0.968
ITGB2	-0.231	0.071	0.098	0.515
FGF7	-0.046	0.849	0.024	0.923
CDON	-0.272	0.081	-0.146	0.398
INPP1	-0.180	0.492	0.661	0.039
NFAT5	0.560	0.138	-0.448	0.134
PDGFA	0.190	0.424	-0.055	0.806

TBC1D23	-0.471	0.120	-0.172	0.540
AMIGO1	-0.105	0.646	-0.287	0.292
STX7	0.228	0.206	0.195	0.255
CDHR5	0.011	0.930	-0.007	0.965
MN1	0.246	0.530	0.358	0.368
LYPLA2	-0.237	0.513	-0.038	0.906
TSNAX	-0.118	0.580	-0.130	0.484
TIMD4	0.277	0.182	-0.172	0.416
HSPA1A	-0.308	0.298	0.495	0.090
TXK	0.039	0.862	-0.035	0.882
NPPB	2.058	0.001	-0.635	0.232
DFFA	0.148	0.563	0.137	0.648
THOP1	0.176	0.400	-0.102	0.575
IGSF8	0.462	0.004	-0.403	0.013
MICB_MICA	-0.027	0.949	1.291	0.006
CRTAC1	-0.062	0.699	-0.208	0.213
NME3	-0.098	0.387	-0.195	0.116
GPRC5C	0.934	0.034	0.070	0.866
DIPK2B	-0.179	0.109	-0.136	0.152
CWC15	0.166	0.642	0.219	0.536
LILRA2	0.077	0.552	-0.120	0.389
GP1BA	0.008	0.949	-0.155	0.262
PITHD1	0.483	0.109	0.637	0.028
CD74	0.514	0.001	0.303	0.090
CINP	-0.267	0.437	-0.720	0.042
ATP1B3	0.227	0.242	-0.297	0.132
ALPI	0.413	0.350	-0.729	0.087
SEZ6L2	0.423	0.014	-0.007	0.973
ICAM2	0.269	0.035	0.113	0.398
HIP1	-0.332	0.101	0.025	0.905
KLK4	1.595	0.000	-0.582	0.089
AHNAK2	0.121	0.358	-0.207	0.184
FCRL1	-0.236	0.104	-0.160	0.267
CCN2	0.231	0.144	-0.128	0.431
DGCR6	0.257	0.317	-0.352	0.128
CEBPB	-0.007	0.981	-0.047	0.860
LEPR	0.331	0.034	-0.152	0.264
DDT	0.057	0.784	0.389	0.034
ITGA6	0.354	0.050	-0.625	0.005
CHEK2	-0.219	0.509	-0.095	0.789
NPM1	0.046	0.906	0.649	0.081
DNAJB1	0.152	0.614	0.053	0.888
SEMA7A	0.029	0.842	0.014	0.919
SPARC	0.258	0.247	0.128	0.558
SCARF1	0.169	0.363	-0.143	0.464
PLG	-0.037	0.722	-0.162	0.169
TARBP2	0.171	0.568	0.005	0.986



STAM	-0.602	0.047	0.538	0.057
NFYA	0.601	0.051	-0.084	0.766
RNF5	0.032	0.906	-0.320	0.228
ACHE	0.233	0.327	0.098	0.653
RASGRF1	-0.122	0.640	0.097	0.739
SSNA1	0.820	0.009	0.265	0.321
ATXN2L	0.146	0.131	0.086	0.365
GBA	0.287	0.380	-0.147	0.571
FBLN2	0.266	0.162	-0.150	0.450
NSFL1C	0.029	0.902	0.269	0.259
PDZD2	0.103	0.722	0.351	0.195
CCL21	0.131	0.569	-0.578	0.011
GAGE2A	0.465	0.109	-0.222	0.443
PGLYRP4	0.192	0.496	-0.452	0.081
CLEC5A	0.353	0.124	-0.074	0.726
PTK7	0.757	0.001	-0.578	0.015
ENG	-0.015	0.847	-0.124	0.215
TP53INP1	0.042	0.781	-0.001	0.995
NEDD9	0.308	0.521	-0.662	0.091
VGF	0.042	0.753	-0.395	0.002
PTPRM	-0.062	0.511	-0.058	0.654
TINAGL1	0.322	0.007	0.080	0.583
PSME1	-0.037	0.844	0.227	0.292
DUSP13	-0.886	0.000	-0.861	0.000
MAG	0.039	0.660	-0.459	0.000
LARP1	0.421	0.102	-0.028	0.905
PFDN4	0.466	0.104	0.512	0.033
CAMSAP1	0.113	0.759	-0.470	0.137
NFATC1	0.024	0.922	-0.852	0.000
SEC31A	0.058	0.779	-0.145	0.534
IL36A	0.273	0.497	0.062	0.887
SMTN	0.075	0.849	0.253	0.549
TSPAN8	0.603	0.095	-0.258	0.446
PRAP1	0.392	0.006	-0.292	0.105
OPTC	0.225	0.145	-0.214	0.363
SIGLEC8	0.505	0.020	0.153	0.449
PLA2G15	0.052	0.611	0.002	0.990
TJAP1	-0.363	0.198	-0.262	0.301
STX4	-0.708	0.034	-0.021	0.950
TNFRSF21	0.270	0.041	-0.243	0.121
DOK1	0.124	0.756	-1.268	0.003
IL10RA	0.279	0.176	-0.520	0.003
TSPAN1	0.543	0.081	-0.194	0.369
PSIP1	0.351	0.331	0.354	0.315
PIK3AP1	-0.068	0.803	0.271	0.275
ANKRD54	-0.012	0.953	0.175	0.365
GLO1	0.397	0.078	-0.367	0.238

TNFRSF13B	0.095	0.451	-0.179	0.229
CTSD	0.144	0.332	0.275	0.056
PCDH9	0.100	0.332	-0.154	0.237
FUT8	0.156	0.475	0.148	0.495
ESR1	0.298	0.402	-0.317	0.328
SCGB1A1	0.051	0.754	-0.204	0.285
HLA-A	0.192	0.200	0.054	0.723
ASAH2	-0.559	0.025	-0.533	0.033
KDR	-0.057	0.568	-0.134	0.322
LCN2	0.333	0.194	-0.489	0.051
THPO	-0.005	0.974	-0.189	0.315
TYRO3	-0.051	0.653	-0.220	0.081
CD27	0.585	0.002	-0.322	0.102
CASP1	0.055	0.921	0.077	0.881
TEX33	0.422	0.505	-0.797	0.159
OTOA	-0.377	0.156	-1.086	0.000
SLC4A1	0.184	0.619	-0.111	0.755
IL34	0.010	0.959	-0.248	0.140
RPGR	0.018	0.945	-0.051	0.843
IL17RB	0.417	0.014	0.228	0.232
TIMP4	0.288	0.061	-0.169	0.292
PALM	0.090	0.576	-0.196	0.254
CDSN	0.064	0.729	-0.498	0.006
CD2	0.091	0.582	-0.141	0.415
THAP12	-0.556	0.072	-0.268	0.438
CTSH	0.017	0.938	-0.071	0.765
DGKA	-0.072	0.792	-0.779	0.002
ENPP5	-0.655	0.000	-0.164	0.252
PRKAR1A	-0.418	0.123	-0.607	0.033
TREM2	0.499	0.023	0.188	0.367
ADGRV1	0.004	0.993	0.074	0.869
VIT	-0.306	0.066	-0.174	0.303
REG1A	0.549	0.030	-0.471	0.069
RTBDN	0.264	0.081	-0.056	0.705
SLC1A4	0.546	0.248	2.215	0.000
CDK5RAP3	0.327	0.292	-0.039	0.903
VWA5A	0.404	0.248	0.364	0.299
BGN	-0.088	0.840	0.639	0.148
IL12RB2	0.053	0.647	0.441	0.001
DNAJB8	-0.091	0.536	0.026	0.810
XG	0.001	0.994	-0.293	0.093
UGDH	0.149	0.677	-0.230	0.445
C7orf50	0.185	0.415	0.189	0.341
AK1	0.075	0.755	0.530	0.034
LMOD2	0.469	0.187	-0.766	0.013
TRIM24	0.078	0.784	-0.278	0.276
GRAP2	0.657	0.145	-0.979	0.068

NPTN	0.186	0.499	-0.179	0.521
PRND	0.040	0.856	-0.445	0.040
KIR2DL3	0.418	0.086	-0.272	0.296
CD200	-0.112	0.258	-0.219	0.096
CCL8	0.028	0.896	-0.102	0.737
SLIRP	0.774	0.019	0.108	0.737
GH1	1.662	0.000	-0.084	0.849
SCARF2	0.528	0.000	-0.190	0.234
GNAS	-0.359	0.158	-0.713	0.005
ITM2A	0.484	0.003	0.076	0.689
BCAM	0.085	0.540	-0.018	0.887
HIP1R	0.317	0.357	0.234	0.475
ENO2	0.275	0.308	0.101	0.727
SERPINA7	0.031	0.752	-0.237	0.020
PLSCR3	-0.473	0.023	0.090	0.672
CSF3	-0.111	0.813	0.379	0.425
DNPEP	-0.085	0.725	1.402	0.000
LAT	0.405	0.087	-0.531	0.108
PAFAH2	0.154	0.614	-0.031	0.908
ITGAL	-0.401	0.153	1.288	0.000
BOLA1	0.321	0.166	-0.242	0.283
CCT5	0.058	0.711	0.330	0.042
PRKAB1	-0.243	0.271	0.275	0.198
SELE	-0.061	0.755	0.092	0.604
PLCB1	0.077	0.481	0.047	0.625
INPP5J	0.236	0.066	0.096	0.462
SPP1	0.549	0.006	0.121	0.615
NTF4	0.205	0.206	-0.318	0.112
PCNA	0.186	0.350	-0.461	0.050
JCHAIN	0.272	0.048	0.102	0.497
COLEC12	0.250	0.134	-0.264	0.106
SIRPA	0.316	0.014	0.016	0.909
PACS2	0.120	0.624	-0.638	0.012
MAP2	0.836	0.005	-0.086	0.728
CDAN1	0.152	0.035	-0.068	0.448
CETN3	-0.109	0.697	-0.201	0.424
B2M	0.328	0.048	-0.210	0.234
QSOX1	0.121	0.160	0.069	0.419
IFNLR1	0.095	0.426	-0.163	0.285
SLC12A2	0.183	0.311	-0.593	0.000
RGL2	-0.780	0.035	-0.049	0.894
ACOT13	0.344	0.439	0.245	0.585
FGD3	-0.474	0.162	-0.632	0.054
MRII	0.031	0.873	-0.584	0.006
DCTN6	0.114	0.617	-0.319	0.164
NTRK2	-0.364	0.006	-0.190	0.141
TRDMT1	0.679	0.026	-0.616	0.042

ADRA2A	0.239	0.424	0.499	0.114
C2orf69	-0.149	0.559	-0.112	0.627
ASRGL1	-0.123	0.725	-0.194	0.557
LEO1	0.662	0.042	0.380	0.153
SAMD9L	-0.275	0.370	0.181	0.567
DECR1	0.872	0.021	-0.660	0.054
WNT9A	0.663	0.000	-0.379	0.043
IL24	0.370	0.195	-0.531	0.064
KCTD5	-0.240	0.364	0.228	0.382
FAM172A	-0.325	0.193	-0.244	0.306
DCTD	0.078	0.803	-0.882	0.003
MEPE	-0.194	0.100	-0.398	0.015
STAMBP	0.141	0.585	0.247	0.331
MSTN	-1.186	0.000	-0.234	0.439
CDKN2D	-0.235	0.433	-0.622	0.070
CD72	0.164	0.354	-0.060	0.749
VPS4B	-0.355	0.311	-0.433	0.212
IPCEF1	-0.052	0.897	-0.214	0.547
DPT	-0.280	0.066	-0.176	0.316
ARHGAP5	0.462	0.150	-0.680	0.019
LILRB4	0.488	0.031	-0.286	0.252
KCNC4	0.375	0.109	0.046	0.832
TNFAIP2	-0.313	0.209	-0.308	0.274
OLFM4	0.731	0.127	-0.037	0.938
BRAP	0.102	0.738	-1.019	0.001
SERPINA5	-0.167	0.408	-0.145	0.479
TCL1B	-0.003	0.989	-0.484	0.058
DUSP29	-0.080	0.782	0.269	0.403
CD3D	0.063	0.665	-0.145	0.446
LGMN	-0.055	0.697	0.019	0.889
PTPRF	0.062	0.534	-0.080	0.537
HSBP1	0.160	0.579	0.027	0.918
PNPT1	0.029	0.919	0.285	0.281
VIPR1	0.155	0.142	-0.231	0.069
REEP4	0.601	0.026	-0.193	0.448
SAT2	-0.099	0.776	0.157	0.612
WFIKKN1	-0.398	0.026	0.077	0.659
TARM1	-0.445	0.293	0.990	0.017
PDP1	0.598	0.087	-0.132	0.675
WASF1	0.430	0.105	-0.481	0.033
IGSF3	-0.099	0.660	-0.071	0.755
IL5RA	0.205	0.339	-0.136	0.564
TADA3	0.024	0.930	-0.018	0.946
IL17RA	0.157	0.173	0.052	0.655
ILKAP	0.202	0.473	-0.094	0.730
FGFR2	0.088	0.411	-0.098	0.332
IL33	0.781	0.000	0.078	0.707

MZB1	0.623	0.003	-0.148	0.530
IGFBP6	-0.127	0.449	-0.491	0.004
AMBP	0.048	0.593	-0.238	0.111
ITGAM	-0.196	0.282	-0.057	0.724
TNFRSF12A	0.078	0.711	-0.179	0.419
STX8	-0.220	0.394	0.037	0.884
SOD2	0.297	0.253	0.581	0.008
EDNRB	0.149	0.425	-0.551	0.008
MMUT	0.122	0.744	0.238	0.489
SNCG	0.404	0.223	0.456	0.206
SYT1	0.226	0.163	-0.421	0.003
B3GAT3	0.084	0.626	0.325	0.006
LAIR2	-0.120	0.710	-0.184	0.519
L3HYPDH	0.160	0.675	0.213	0.512
TNFRSF10A	0.215	0.325	-0.098	0.662
PDGFRA	0.034	0.832	-0.057	0.744
BRK1	0.316	0.172	0.231	0.306
ARHGAP25	-0.452	0.085	0.773	0.002
IL13RA2	0.089	0.720	0.477	0.101
MORN4	0.115	0.650	-0.246	0.283
UBE2Z	0.112	0.616	-0.201	0.377
CALCB	0.302	0.170	-0.241	0.245
LPL	-0.364	0.050	-0.716	0.000
PMVK	0.329	0.380	-1.478	0.000
GALNT7	-0.249	0.078	0.042	0.860
FAM3B	0.034	0.825	-0.464	0.035
LYAR	0.306	0.497	-0.120	0.764
PRKD2	0.032	0.800	-0.132	0.395
CLEC10A	-0.084	0.596	-0.454	0.005
NCR1	0.304	0.023	0.027	0.855
CFHR4	0.261	0.097	0.055	0.710
S100A14	0.037	0.851	-0.761	0.000
AP2B1	-0.129	0.647	0.828	0.000
PIGR	0.487	0.004	-0.169	0.348
ERP44	0.017	0.863	-0.199	0.357
ACAA1	0.495	0.228	0.791	0.039
CFHR5	0.172	0.248	-0.136	0.362
SPESP1	-0.253	0.130	-0.065	0.653
DDX4	0.166	0.622	-0.792	0.019
ATG16L1	-0.270	0.282	-0.146	0.495
HSPA2	-0.060	0.757	-0.120	0.524
PTPN6	0.110	0.655	-0.736	0.019
FBP1	0.101	0.805	0.861	0.024
ADAMTS16	0.348	0.016	0.300	0.040
MARS1	-0.238	0.389	-0.144	0.582
MPIG6B	-0.185	0.520	-0.425	0.138
PLPBP	-0.126	0.630	-0.238	0.359

SERPINA1	0.245	0.016	0.003	0.970
ULBP2	0.398	0.074	-0.402	0.064
YARS1	0.403	0.317	-1.193	0.010
KIF20B	0.914	0.022	-0.250	0.466
ATXN10	-0.091	0.723	-0.092	0.757
LGALS8	0.146	0.592	0.362	0.104
CA3	-0.106	0.661	0.163	0.543
EGLN1	0.231	0.604	-0.451	0.269
GALNT5	0.442	0.013	-0.418	0.014
SELPLG	-0.033	0.559	0.075	0.439
WDR46	0.361	0.267	0.186	0.523
LELP1	1.187	0.077	0.406	0.488
NOMO1	0.032	0.729	-0.174	0.143
ELOB	0.025	0.912	-0.160	0.427
TYRP1	-0.156	0.318	-0.305	0.059
DLG4	-0.328	0.376	-0.311	0.325
PYY	1.110	0.004	0.054	0.892
SERPINB9	-0.200	0.141	-0.459	0.003
TXNRD1	-0.012	0.953	-0.007	0.971
PDIA2	0.366	0.226	0.547	0.080
TRIM58	0.075	0.814	0.233	0.413
CD80	0.295	0.053	0.009	0.955
GGT5	-0.031	0.814	-0.249	0.071
ENOX2	0.241	0.143	-0.188	0.230
XCL1	0.229	0.200	-0.039	0.854
RRM2	0.657	0.075	0.351	0.246
CPB1	0.302	0.259	-0.396	0.159
PSRC1	0.233	0.308	-0.111	0.593
TF	-0.236	0.114	-0.291	0.056
MUC13	0.500	0.197	-0.286	0.321
PI16	-0.278	0.125	-0.299	0.048
CRADD	-0.240	0.440	-0.225	0.463
MSRA	-0.294	0.316	-0.218	0.448
BCL2L1	0.422	0.182	-0.456	0.165
ERBB4	-0.033	0.713	0.098	0.405
S100A16	0.044	0.858	0.204	0.419
NUP50	-0.029	0.860	-0.093	0.620
CAPN3	-0.331	0.088	-0.234	0.206
CD302	0.456	0.027	-0.169	0.524
CLUL1	0.041	0.816	0.000	1.000
CFD	-0.114	0.283	-0.347	0.001
LRP1	-0.138	0.266	-0.011	0.954
TNFRSF14	0.304	0.037	-0.108	0.528
ACYPI	-0.081	0.735	0.096	0.669
EGFR	-0.212	0.010	-0.080	0.448
TSHB	0.257	0.398	-0.110	0.716
MYO9B	-0.561	0.057	-0.293	0.264

BCL2	0.464	0.023	0.044	0.851
FOS	0.139	0.722	-0.167	0.687
SEMA3G	0.043	0.826	-0.293	0.130
AOC1	-0.166	0.571	-0.052	0.835
MMP3	0.026	0.901	-0.322	0.203
TMEM106A	0.052	0.848	0.281	0.238
NAA80	0.431	0.334	-1.035	0.019
AGRP	0.444	0.022	-0.050	0.845
DNAJC21	-0.073	0.685	-0.053	0.759
FUT3_FUT5	0.493	0.021	-0.364	0.105
TSPAN7	0.707	0.026	-0.007	0.982
CD38	-0.133	0.432	-0.152	0.479
AMY1A_AMY1B_AMY1C	0.017	0.924	-0.232	0.145
ZNF830	-0.154	0.530	0.006	0.980
NFX1	0.000	1.000	-0.170	0.466
MMP7	0.182	0.442	-0.389	0.126
SDHB	0.298	0.444	0.968	0.009
AMPD3	-0.035	0.889	0.180	0.517
GALNT2	-0.273	0.005	-0.091	0.600
CLSPN	0.175	0.178	0.006	0.973
BTLA	0.403	0.200	0.007	0.983
DTX2	-0.638	0.060	0.410	0.231
ANGPT1	0.213	0.396	0.094	0.706
SFTPA1	0.331	0.114	-0.170	0.420
PRKCQ	0.064	0.623	-0.198	0.148
ATP1B1	-0.005	0.981	-0.004	0.986
GRP	0.285	0.364	-0.696	0.012
HPGDS	-0.392	0.039	-0.196	0.307
CD276	0.663	0.001	-0.113	0.584
SDC1	0.717	0.021	0.173	0.551
TANK	0.064	0.793	-0.387	0.100
CEP170	-0.297	0.323	-0.333	0.249
ATRN	-0.054	0.563	-0.103	0.285
PLIN3	-0.197	0.317	0.158	0.429
CCAR2	0.216	0.477	0.440	0.179
LTBP3	0.327	0.132	-0.237	0.280
CTF1	0.099	0.744	0.032	0.905
AMY2B	-0.052	0.805	-0.657	0.002
FURIN	0.002	0.989	0.131	0.340
DARS1	-0.242	0.351	-0.105	0.697
GRN	0.173	0.212	-0.047	0.726
RLN2	0.195	0.431	0.104	0.776
GAPDH	0.721	0.007	-1.286	0.001
RNF168	0.390	0.114	1.029	0.000
C1GALT1C1	-0.079	0.591	-0.058	0.713
UFD1	0.302	0.479	-0.431	0.369
EHBP1	0.158	0.572	-0.377	0.131

ADGRG1	0.244	0.366	0.008	0.976
DNAJA1	0.005	0.980	-0.453	0.050
KAZALD1	-0.568	0.006	-0.086	0.677
MAPK9	-0.149	0.473	0.335	0.115
SERPINH1	0.866	0.076	0.616	0.277
CKB	1.279	0.000	0.394	0.123
FCGR2A	0.440	0.016	-0.123	0.528
IRAK4	0.247	0.443	-0.717	0.050
RGMA	-0.294	0.026	-0.490	0.001
WFDC12	0.190	0.409	-0.573	0.012
LEG1	-0.236	0.310	0.286	0.266
CILP	0.253	0.226	0.423	0.068
CHGA	0.895	0.003	-0.708	0.047
FKBP14	0.045	0.897	-0.178	0.604
CCL5	0.189	0.527	0.261	0.332
PINLYP	-0.524	0.026	-0.131	0.574
BST2	0.633	0.094	0.011	0.976
EPPK1	0.556	0.063	-0.053	0.857
TLR3	-0.056	0.767	0.013	0.950
CCDC134	0.213	0.505	-0.198	0.504
OFD1	-0.471	0.220	-0.367	0.384
TBCC	-0.138	0.677	-0.264	0.429
THSD1	-0.175	0.265	0.179	0.303
FGF21	0.420	0.374	0.044	0.929
NPTX2	0.016	0.924	-0.302	0.121
FTCD	-0.016	0.967	0.689	0.060
HDGF	0.286	0.339	0.514	0.151
ATF2	0.262	0.215	-0.007	0.982
TP53BP1	0.382	0.153	0.656	0.027
PRTG	-0.119	0.292	-0.211	0.244
NT5C	0.226	0.450	-0.517	0.041
COL4A1	0.170	0.432	0.286	0.192
MXRA8	-0.106	0.409	-0.126	0.311
PPP1R9B	0.139	0.617	0.500	0.153
FDX1	0.572	0.086	-0.163	0.593
LTBR	0.179	0.272	-0.187	0.308
WWP2	-0.501	0.042	-0.602	0.014
CES3	-0.284	0.176	0.473	0.044
CEACAM21	0.019	0.949	0.434	0.118
TGFB1	0.456	0.003	-0.163	0.365
VSTM1	0.289	0.251	-0.170	0.492
FGR	-0.212	0.627	-0.283	0.526
OSM	0.721	0.065	0.376	0.317
CXCL10	0.176	0.504	0.087	0.764
PSCA	0.082	0.892	0.352	0.568
BPIFA2	-0.943	0.021	-0.139	0.707
HAGH	0.214	0.465	0.511	0.283



CD164L2	-0.118	0.523	0.275	0.134
YWHAQ	0.011	0.967	0.173	0.463
MCFD2	0.143	0.336	0.085	0.601
RARRES1	0.180	0.235	-0.149	0.324
PPL	0.505	0.081	0.241	0.338
SV2A	0.238	0.450	0.011	0.967
FOLR1	0.396	0.006	-0.209	0.158
TUBB3	0.959	0.001	-0.635	0.001
FOXO3	0.556	0.094	-0.370	0.289
QDPR	0.035	0.858	0.246	0.209
CKMT1B; CKMT1A	0.406	0.107	-0.430	0.083
ADAMTS1	0.262	0.239	0.228	0.334
AKR7L	0.113	0.696	0.285	0.308
LYVE1	0.089	0.560	-0.296	0.025
CRLF1	-0.074	0.527	-0.109	0.409
RAB37	0.040	0.888	-0.402	0.174
LILRB1	0.073	0.518	0.187	0.131
GYS1	0.356	0.316	-0.938	0.016
GPC1	-0.233	0.061	-0.338	0.102
KIFBP	0.055	0.838	-0.199	0.497
RUVBL1	-0.361	0.307	-0.205	0.552
DKK4	0.192	0.454	-0.587	0.018
PLIN1	-0.025	0.935	0.682	0.047
VIM	-0.116	0.668	0.189	0.554
SIL1	-0.072	0.563	0.020	0.871
CDH22	0.115	0.632	-0.050	0.838
DLL1	0.319	0.030	-0.062	0.711
SEPTIN9	-0.213	0.378	1.525	0.000
IGSF9	-0.102	0.735	0.437	0.144
RFC4	-0.111	0.538	0.152	0.378
ACRBP	0.145	0.324	0.178	0.217
GIMAP8	0.149	0.581	-0.904	0.000
MRPL46	0.024	0.873	0.089	0.413
CD22	-0.163	0.260	-0.256	0.228
CEACAM8	0.208	0.413	0.125	0.653
CCDC28A	-0.061	0.659	0.532	0.000
RANBP2	-0.078	0.655	0.128	0.518
IGF1R	0.086	0.455	-0.215	0.191
LIF	0.551	0.202	0.100	0.818
MAX	0.200	0.602	-0.308	0.423
BATF	0.097	0.740	0.237	0.481
CA9	0.399	0.166	-0.195	0.483
IL11	-0.464	0.033	-0.316	0.197
KIAA2013	0.101	0.606	0.119	0.489
CNPY2	-0.026	0.895	-0.065	0.745
LHPP	0.186	0.448	0.531	0.021
COMT	-0.182	0.511	-0.241	0.419

SLC9A3R1	-0.221	0.473	0.073	0.796
LTA	-0.109	0.120	-0.020	0.809
ADGRE1	0.073	0.762	0.181	0.390
TMPRSS15	-0.247	0.497	-0.411	0.238
DCUN1D1	0.150	0.585	0.054	0.839
ERC2	0.262	0.318	0.266	0.362
CD70	0.235	0.133	-0.072	0.724
LECT2	0.399	0.154	-0.622	0.032
APOE	0.386	0.035	0.039	0.804
HYOU1	0.166	0.037	-0.156	0.127
SH2B3	0.209	0.558	-1.173	0.002
ALDH1A1	0.111	0.680	0.338	0.178
LILRA5	0.234	0.081	-0.097	0.470
ELN	0.783	0.000	-0.376	0.078
ENPP7	0.326	0.306	-0.028	0.929
CGB3; CGB5; CGB8	0.441	0.197	0.252	0.210
MSR1	0.374	0.026	-0.033	0.860
KLRD1	0.445	0.005	0.083	0.743
PDIA4	0.333	0.255	-0.096	0.716
CNGB3	-0.192	0.243	-0.098	0.473
RGCC	0.299	0.198	-0.075	0.790
SSC4D	-1.759	0.000	-0.173	0.672
HRG	-0.177	0.209	-0.220	0.081
PPP1R14D	0.700	0.004	-0.416	0.082
CNTN2	-0.140	0.431	-0.200	0.333
SERPIND1	0.057	0.682	-0.037	0.775
FABP4	0.193	0.564	0.051	0.884
NXPH1	-0.057	0.419	-0.218	0.000
MMP12	0.895	0.003	-0.163	0.610
PLAUR	0.440	0.019	-0.095	0.620
LY9	0.092	0.402	-0.242	0.197
PCSK9	-0.057	0.725	-0.136	0.404
HYAL1	-0.040	0.676	-0.299	0.008
CD300A	0.243	0.084	0.014	0.925
XPNPEP2	0.037	0.901	-0.407	0.142
CRELD1	-0.079	0.522	-0.091	0.486
APOB	0.175	0.273	0.519	0.001
KLK8	-0.239	0.236	-0.702	0.000
YY1	0.021	0.939	-0.384	0.169
BEX3	0.418	0.028	-0.515	0.008
CC2D1A	-0.595	0.094	0.278	0.393
GRK5	-0.029	0.885	0.077	0.717
F11	-0.157	0.157	-0.349	0.001
RAB6A	-0.450	0.124	0.222	0.536
SCGB3A2	0.057	0.792	-0.365	0.151
IGFL4	0.039	0.886	0.168	0.513
SEMA6C	-0.087	0.368	-0.125	0.226

IGF2BP3	-0.601	0.039	0.210	0.442
PRDX6	-0.360	0.099	1.481	0.000
ENSA	0.282	0.161	-0.883	0.001
MED18	-0.308	0.242	-0.535	0.042
CPA1	0.029	0.925	-0.516	0.061
OCLN	0.653	0.044	0.209	0.463
GOT1	0.026	0.931	0.208	0.398
MTIF3	0.186	0.638	0.400	0.315
CLEC3B	-0.464	0.000	-0.172	0.130
IFIT3	0.060	0.878	-0.264	0.510
DXO	-0.046	0.854	0.082	0.730
DTYMK	-0.079	0.778	-0.025	0.925
TGFBR2	0.189	0.179	-0.289	0.059
LSP1	0.242	0.297	0.022	0.921
DCTN1	0.081	0.717	0.761	0.001
APOA1	-0.151	0.321	-0.085	0.583
ANGPTL4	0.249	0.135	0.038	0.847
HEG1	-0.063	0.623	0.004	0.976
GFRA3	-0.191	0.264	-0.249	0.164
TST	-0.020	0.933	0.682	0.004
MFGE8	0.154	0.407	-0.249	0.206
NAGA	-0.241	0.184	0.247	0.143
ENPEP	-0.197	0.470	-0.735	0.005
BCHE	-0.499	0.004	-0.061	0.707
EZR	0.166	0.337	0.150	0.306
GLRX5	0.260	0.493	0.312	0.362
ITPR1	0.606	0.028	0.102	0.622
DDC	-0.046	0.875	-0.083	0.755
CRYBB1	0.075	0.745	-0.336	0.119
CA14	-0.332	0.089	-0.451	0.039
VNN1	-0.291	0.181	0.062	0.734
TAFA5	0.064	0.729	-0.510	0.006
TDO2	0.202	0.657	0.910	0.028
SAG	0.425	0.215	2.299	0.000
SPRING1	0.090	0.584	-0.209	0.213
CGREF1	0.096	0.613	-0.380	0.055
CTSE	-0.051	0.810	0.004	0.984
TRAF3	-0.401	0.013	0.214	0.215
BPIFB1	-0.027	0.939	-0.398	0.185
IL19	0.614	0.032	0.105	0.686
SNU13	-0.262	0.534	0.168	0.657
DENND2B	0.166	0.345	-0.048	0.805
ANXA2	0.626	0.119	-0.521	0.147
CD6	0.061	0.761	-0.373	0.142
F2R	0.591	0.005	-0.831	0.010
BPIFB2	-0.237	0.426	0.034	0.894
PALM2	0.645	0.032	0.558	0.067

BTNL10	0.183	0.180	0.012	0.952
MVK	-0.126	0.735	-0.267	0.444
C2CD2L	-0.612	0.116	0.322	0.295
RAD51	0.362	0.271	-0.063	0.848
PTGR1	-0.548	0.118	-0.056	0.851
C1QTNF6	0.250	0.322	-0.075	0.773
SNX15	-0.021	0.926	0.047	0.804
NUB1	-0.250	0.438	0.032	0.917
GUCY2C	0.540	0.205	0.051	0.908
GOLM2	0.005	0.965	-0.040	0.782
GID8	0.068	0.656	0.586	0.001
SRP14	0.332	0.264	0.273	0.354
GSN	-0.374	0.001	-0.137	0.156
MMP10	-0.069	0.727	-0.384	0.095
UNG	0.359	0.197	0.382	0.095
PDIA3	0.300	0.242	0.531	0.007
CLEC4M	0.025	0.843	-0.120	0.319
PLXNB2	0.065	0.492	-0.142	0.222
CALCOCO2	-0.254	0.396	-0.055	0.838
STC2	-0.139	0.330	-0.303	0.054
SMC3	-0.381	0.067	-0.129	0.501
LRP2	0.021	0.900	0.122	0.588
ST8SIA1	-0.037	0.791	0.169	0.338
IFNL2	0.370	0.147	-0.078	0.772
CST7	0.202	0.524	0.383	0.228
PCSK7	0.001	0.994	0.101	0.458
NDUFA5	0.457	0.037	0.111	0.579
GCHFR	0.121	0.694	0.520	0.056
LYSMD3	0.374	0.215	-0.276	0.339
PSMG3	0.123	0.538	0.420	0.043
HDAC9	-0.176	0.698	0.267	0.574
ADGRF5	0.174	0.023	-0.061	0.455
REN	0.056	0.828	-0.071	0.756
TPR	0.147	0.697	0.334	0.413
GRIK2	-0.091	0.544	-0.024	0.883
PEBP1	-0.033	0.882	0.044	0.856
AP3B1	-0.059	0.851	0.102	0.738
CLU	0.111	0.225	-0.114	0.226
CD40	0.358	0.075	-0.345	0.080
TNN	-0.051	0.649	0.076	0.482
STX5	0.145	0.715	0.285	0.394
CA4	-0.152	0.196	-0.143	0.191
CERT1	-0.261	0.281	0.234	0.407
MMP1	1.206	0.000	-0.457	0.157
CREB3	0.385	0.072	0.025	0.918
CASC3	0.102	0.750	-0.052	0.861
PLA2G1B	0.059	0.824	-0.479	0.032

AMOTL2	-0.064	0.479	-0.081	0.527
F9	0.004	0.956	-0.235	0.382
MAVS	-0.079	0.803	-0.340	0.290
IL17F	0.440	0.117	0.203	0.454
CD2AP	0.571	0.014	0.276	0.244
PEAR1	-0.202	0.052	-0.411	0.000
STAT5B	0.159	0.721	-0.290	0.543
PKN3	-0.239	0.363	-0.299	0.368
IGFBP4	0.567	0.038	-0.432	0.105
FAM20A	0.059	0.723	-0.188	0.222
SRPX	0.185	0.406	-0.069	0.745
CPXM2	0.033	0.828	-0.337	0.037
AGT	0.003	0.949	-0.037	0.414
NOS1	0.039	0.898	0.387	0.269
PRRT3	0.153	0.336	-0.501	0.002
MEP1A	-0.220	0.491	0.190	0.437
LILRA3	0.003	0.990	0.248	0.370
COX5B	0.304	0.405	1.171	0.002
OPLAH	0.255	0.236	-0.046	0.832
PRUNE2	0.390	0.062	-0.099	0.646
ERBB3	0.113	0.234	-0.091	0.367
TNNI3	0.030	0.958	-0.757	0.159
MINK1	0.226	0.499	-0.348	0.464
PRSS8	0.509	0.007	-0.082	0.649
CDH3	0.366	0.054	-0.440	0.020
ADD1	0.137	0.512	-0.027	0.910
TRPV3	0.049	0.872	0.082	0.771
PNMA2	0.222	0.503	-0.478	0.156
GBP4	-0.280	0.095	0.098	0.505
PNLIP	-0.074	0.816	-0.879	0.002
APOBR	0.073	0.496	0.051	0.643
MYO6	0.400	0.031	0.263	0.186
SCG3	-0.012	0.927	-0.220	0.113
LGALS4	0.888	0.002	-0.374	0.133
BAG3	-0.249	0.206	-0.415	0.109
RARRES2	0.299	0.106	-0.066	0.719
BTN2A1	0.169	0.274	-0.187	0.168
PAMR1	0.079	0.515	-0.107	0.433
NOS2	0.588	0.033	-0.215	0.380
DAG1	0.102	0.561	0.049	0.782
ACVRL1	0.148	0.409	-0.092	0.629
PPIF	0.037	0.949	0.838	0.095
CD300E	0.306	0.169	-0.263	0.297
DDI2	0.219	0.432	-0.115	0.654
PRR4	-0.135	0.616	0.261	0.313
SERPINB6	-0.057	0.801	-0.288	0.194
TMSB10	0.275	0.391	-0.699	0.053

B4GAT1	-0.092	0.354	-0.181	0.160
DCDC2C	0.287	0.299	-0.238	0.478
SCGB2A2	0.264	0.208	-0.011	0.961
RTN4IP1	0.323	0.397	0.026	0.940
RIPK4	-0.073	0.775	0.095	0.699
SCPEP1	0.412	0.073	-0.038	0.849
APOH	-0.195	0.072	0.083	0.432
CFHR2	0.163	0.339	0.168	0.309
IGLC2	0.417	0.004	-0.252	0.043
RANBP1	0.045	0.802	0.011	0.959
KLK1	-0.494	0.108	-0.162	0.607
AIF1	-0.138	0.628	0.377	0.240
C1QTNF9	-0.146	0.380	-0.123	0.388
ENO3	-0.979	0.001	0.563	0.058
ZBP1	0.425	0.319	-0.216	0.554
DBN1	0.255	0.132	-0.335	0.038
KLF4	0.527	0.111	0.330	0.247
HEPH	0.102	0.442	-0.048	0.669
TIGAR	0.026	0.926	0.208	0.444
DDX39A	-0.113	0.561	-0.282	0.142
FGFBP1	-0.006	0.979	-0.103	0.658
SLAMF7	-0.002	0.991	0.097	0.635
ECHDC3	0.617	0.179	0.249	0.527
SOD3	0.115	0.544	-0.510	0.000
FGF12	-0.004	0.984	0.020	0.908
CYTL1	-0.158	0.380	-0.518	0.002
CUZD1	0.342	0.372	-0.580	0.078
PM20D1	-0.370	0.490	-0.533	0.276
ADM	0.344	0.119	-0.565	0.135
EIF4G1	0.125	0.649	-0.067	0.838
MME	-0.354	0.182	-0.131	0.660
ARHGEF5	0.143	0.691	0.119	0.750
NBL1	0.249	0.068	-0.340	0.014
FUCA1	-0.382	0.132	-0.207	0.377
NCLN	0.185	0.169	-0.538	0.002
INPPL1	0.253	0.454	-0.835	0.010
IL20	0.000	0.999	-0.164	0.113
LCAT	-0.274	0.009	-0.262	0.024
PPP1R12A	-0.060	0.867	0.057	0.874
ANXA1	-0.035	0.915	-0.090	0.787
BRD3	-0.149	0.658	-0.487	0.145
COL5A1	0.145	0.477	0.261	0.176
CTSV	-0.457	0.021	-0.327	0.124
PALM3	0.330	0.369	0.271	0.428
TRIM40	0.171	0.660	-0.340	0.418
PTRHD1	0.081	0.742	-0.021	0.926
AK2	0.170	0.617	-0.129	0.703

CEACAM3	-0.117	0.617	0.652	0.001
AMDHD2	0.062	0.588	-0.298	0.005
TRIM25	-0.934	0.003	-0.911	0.005
FCAR	0.417	0.064	-0.192	0.393
BIRC2	-0.212	0.147	-0.082	0.492
TMPRSS11B	0.252	0.429	0.505	0.123
TGFBR3	0.074	0.597	-0.225	0.246
MYH7B	0.106	0.609	-0.665	0.011
GAST	1.140	0.011	-0.381	0.409
ID4	0.115	0.617	-0.378	0.100
TALDO1	-0.082	0.727	0.035	0.870
LTO1	0.249	0.143	-0.323	0.045
PPP1CC	-0.184	0.528	0.001	0.997
SPRY2	0.292	0.449	-0.434	0.267
MYDGF	0.162	0.643	-0.369	0.247
RABGAP1L	0.249	0.282	-0.090	0.689
RALB	-0.469	0.075	0.320	0.288
ABRAXAS2	0.347	0.196	-0.533	0.035
FHIT	-0.164	0.560	-0.180	0.530
TEF	0.619	0.046	0.398	0.127
EPHA4	-0.149	0.232	-0.115	0.382
SNAPIN	-0.004	0.984	0.427	0.059
SLIT2	0.412	0.079	-0.003	0.991
NID2	0.469	0.033	-0.031	0.887
XIAP	-0.257	0.275	-0.187	0.413
ADH4	-0.290	0.395	0.322	0.320
TOM1L2	0.298	0.389	-0.689	0.160
ECE1	-0.162	0.122	-0.546	0.000
NT5C3A	-0.362	0.211	0.317	0.325
ACTN4	-0.149	0.436	0.647	0.001
TOP1MT	0.119	0.579	-0.947	0.000
KLK12	0.322	0.474	-0.877	0.041
TCP11	0.224	0.671	-0.825	0.101
CHAC2	0.183	0.355	-0.448	0.055
VEGFC	0.156	0.340	0.077	0.640
ST3GAL1	0.027	0.821	-0.221	0.180
CR2	-0.606	0.000	-0.446	0.029
ACE	-0.015	0.882	-0.010	0.910
LACRT	-0.053	0.804	-0.299	0.259
ANGPT2	0.178	0.302	-0.119	0.618
ASGR1	0.157	0.355	-0.004	0.984
SH2D1A	-0.064	0.814	-0.650	0.014
FUS	0.216	0.391	0.053	0.815
DYNC1H1	-0.023	0.909	-0.297	0.182
FXN	0.078	0.771	0.445	0.093
CHM	-0.119	0.647	-0.098	0.689
VWF	0.435	0.048	0.341	0.172

SDC4	0.047	0.821	-0.101	0.624
LRCH4	0.518	0.202	-0.248	0.468
AHSG	-0.143	0.345	-0.090	0.496
SWAP70	0.013	0.957	0.369	0.075
MATN2	-0.083	0.425	-0.181	0.133
TTN	-0.014	0.963	-0.538	0.049
GGA1	-0.164	0.442	0.392	0.069
FGF16	-0.273	0.380	-0.241	0.439
IDUA	0.016	0.924	-0.193	0.305
GNPDA1	-0.281	0.073	0.330	0.040
GTPBP2	-0.447	0.260	-0.640	0.078
CEACAM18	-0.183	0.658	0.314	0.428
IRAG2	-0.506	0.184	-0.272	0.492
IKZF2	0.039	0.896	-0.243	0.425
TSC1	0.026	0.924	-0.510	0.054
ACY3	0.233	0.405	-0.041	0.866
CD109	-0.150	0.261	0.038	0.793
CASP7	0.481	0.080	-0.575	0.039
NRP2	0.099	0.435	-0.095	0.477
MCEE	0.098	0.784	0.980	0.002
GUSB	-0.360	0.037	-0.005	0.978
AZI2	-0.110	0.692	-0.046	0.870
SMPDL3B	-0.283	0.378	-0.470	0.101
CLSTN2	0.079	0.661	-0.194	0.399
TMED8	0.379	0.282	-0.567	0.113
STC1	0.151	0.587	-0.104	0.688
MLLT1	0.243	0.490	0.135	0.714
PDLIM5	0.002	0.994	-0.556	0.058
GLOD4	0.012	0.931	-0.065	0.660
DHODH	0.370	0.196	0.045	0.869
EPHB6	0.123	0.528	-0.392	0.069
MICALL2	0.429	0.153	-0.002	0.992
TNFSF12	0.095	0.474	-0.064	0.795
SDK2	-0.210	0.121	-0.247	0.080
CES1	-0.204	0.504	-0.214	0.448
VAV3	-0.452	0.254	-0.434	0.221
VWA1	0.162	0.507	0.077	0.784
ABO	-0.320	0.514	0.175	0.717
TERF1	-0.120	0.608	0.011	0.963
LYPD3	-0.224	0.188	-0.003	0.986
IL7	-0.011	0.965	0.386	0.098
PPM1A	-0.265	0.027	0.335	0.001
ERI1	0.281	0.354	-0.165	0.544
VAMP5	0.472	0.180	-0.270	0.380
HLA-DRA	-0.153	0.427	1.082	0.000
AKT1S1	0.400	0.096	-0.467	0.086
APIG2	-0.404	0.244	-0.050	0.881



SCG2	0.331	0.034	-0.328	0.127
CHMP1A	0.126	0.595	-0.115	0.658
EFCAB14	0.136	0.321	-0.185	0.171
IGHMBP2	-0.313	0.214	-0.632	0.007
TGFB2	0.351	0.065	-0.197	0.266
FES	-0.677	0.013	1.071	0.000
NGFR	0.167	0.362	0.155	0.375
LRP11	0.222	0.102	-0.274	0.111
RBM19	0.823	0.006	0.078	0.783
SOD1	0.113	0.544	0.053	0.781
TNFSF14	0.223	0.490	0.106	0.751
DPP10	0.185	0.495	-0.109	0.662
PRAME	0.260	0.024	0.022	0.864
GATD3	-0.053	0.901	1.175	0.001
CALB2	0.122	0.721	0.322	0.340
PBLD	0.027	0.940	0.329	0.354
PVR	0.179	0.355	0.156	0.439
PSMD9	-0.254	0.251	0.239	0.344

**Table S3.** List of the proteins included in the sex-specific detection panels and their individual performance.

<b>Males</b>	<b>AUC</b>	<b>Females</b>	<b>AUC</b>
CCL7	0.47 (0.29, 0.65)	DNPEP	0.71 (0.56, 0.84)
CCL11	0.70 (0.58, 0.79)	MSLNL	0.62 (0.48, 0.76)
ENPP5	0.75 (0.64, 0.85)	ECE1	0.69 (0.54, 0.82)
COL15A1	0.65 (0.54, 0.76)	IL1A	0.69 (0.53, 0.85)
MMP1	0.74 (0.61, 0.85)	CNST	0.70 (0.59, 0.81)
NPPC	0.68 (0.56, 0.81)	ADCYAP1R1	0.72 (0.60, 0.83)
GLP1R	0.72 (0.60, 0.83)	ATP5PO	0.69 (0.57, 0.80)
ARF6	0.68 (0.57, 0.78)	PMM2	0.79 (0.68, 0.89)
WNT9A	0.75 (0.62, 0.86)	ATP1B4	0.66 (0.52, 0.78)
SHBG	0.75 (0.68, 0.83)	SEMA4C	0.92 (0.89, 0.96)

**Table S4.** The performance of the sex-specific detection panels by stage and cancer.

Stage	Males		Females	
	AUC	Sensitivity	AUC	Sensitivity
I	0.987 (0.952-1.000)	0.932 (0.786-1.000)	0.986 (0.958-1.000)	0.836 (0.680-1.000)
II	0.979 (0.953-0.997)	0.893 (0.817-0.970)	0.988 (0.966-1.000)	0.860 (0.731-1.000)
III	0.970 (0.895-1.000)	0.928 (0.765-1.000)	0.987 (0.959-1.000)	0.837 (0.628-1.000)
<b>Cancer</b>				
Astrocytoma	0.962 (0.850-1.000)	0.836 (0.500-1.000)	0.997 (0.983-1.000)	0.959 (0.800-1.000)
Bladder	0.984 (0.937-1.000)	0.917 (0.750-1.000)	0.972 (0.909-1.000)	0.659 (0.200-1.000)
Breast			0.981 (0.939-1.000)	0.776 (0.500-1.000)
CRC	0.986 (0.939-1.000)	0.897 (0.667-1.000)	1.000 (1.000-1.000)	1.000 (1.000-1.000)
Cerv			0.987 (0.956-1.000)	0.843 (0.609-1.000)
Esophagus	0.939 (0.818-1.000)	0.851 (0.636-1.000)	0.990 (0.954-1.000)	0.860 (0.500-1.000)
HCC	0.989 (0.954-1.000)	0.896 (0.643-1.000)	0.997 (0.983-1.000)	0.955 (0.786-1.000)
Kidney	1.000 (1.000-1.000)	1.000 (1.000-1.000)	0.973 (0.918-1.000)	0.720 (0.438-1.000)
NSCLC	0.960 (0.850-1.000)	0.901 (0.667-1.000)	0.988 (0.953-1.000)	0.835 (0.500-1.000)
Osteosarcoma	1.000 (1.000-1.000)	1.000 (1.000-1.000)	0.990 (0.961-1.000)	0.910 (0.727-1.000)
Ovarian			0.981 (0.942-1.000)	0.790 (0.555-1.000)
Pancreas	0.996 (0.978-1.000)	0.947 (0.733-1.000)	0.987 (0.945-1.000)	0.813 (0.429-1.000)
Prostate	0.989 (0.963-1.000)	0.892 (0.722-1.000)		
SCLC	0.990 (0.954-1.000)	0.909 (0.667-1.000)	0.989 (0.956-1.000)	0.842 (0.500-1.000)
Stomach	1.000 (1.000-1.000)	1.000 (1.000-1.000)	0.991 (0.955-1.000)	0.875 (0.571-1.000)
Testis	0.979 (0.942-1.000)	0.867 (0.700-1.000)		
Thyroid	0.951 (0.857-1.000)	0.678 (0.333-1.000)	0.990 (0.964-1.000)	0.889 (0.667-1.000)
Uterus			0.996 (0.981-1.000)	0.939 (0.782-1.000)

**Table S5.** List of the proteins included in the localization panel.

Protein	Male			Protein	Female			
	Cancer				Cancer			
	1	2	3		1	2	3	4
CHP1	Prostate	Testis	Pancreas	MAPT	Breast	Cervix	Ovarian	
FUCA1	Prostate			PAEP	Breast	Cervix	Ovarian	
ANG	Prostate			PER3	Breast	Ovarian	Thyroid	
INSL3	Prostate	Bladder		NDUFB7	Breast			
ADCYAP1R1	Prostate			SEMA4C	Breast	Astrocytoma	Stomach	
IL36G	Prostate			CRYM	Breast	Cervix	Esophagus	
NT5C1A	Prostate	SCLC	Stomach	FYB1	Breast	Cervix	Thyroid	
HDAC9	Prostate			CRISP2	Breast	Cervix	NSCLC	
TRIM21	Prostate			CHM	Breast			
PADI4	Prostate	Testis	NSCLC	TEF	Breast			
IL1A	Prostate	Osteosarcoma	Stomach	TREH	Breast	Cervix	SCLC	
OBP2B	Prostate	Bladder	Esophagus	LAMP3	Breast			
ITGAL	Prostate	Testis		EDIL3	Breast	Astrocytoma		
GCNT1	Prostate			GRAP2	Breast	Cervix	Kidney	Thyroid
LPL	Prostate			TXNDC9	Breast	Cervix		
LPP	Prostate			MUC2	Breast	Cervix		
IMMT	Prostate			CES2	Cervix	Astrocytoma	SCLC	
KLK12	Prostate	Osteosarcoma		TCP11	Cervix	Ovarian		
TGM2	Prostate			LEP	Cervix	Bladder		
DAPP1	Prostate			TNFRSF17	Cervix			
OFD1	Prostate	Kidney	NSCLC	MAP1LC3B2	Cervix	Uterus		
CNGB3	Prostate	SCLC		CRACR2A	Cervix	Bladder	Stomach	
PITHD1	Testis	Astrocytoma	Osteosarcoma	GZMB	Cervix			
CLEC2L	Testis	HCC		PLAT	Cervix			
APOA2	Testis			CKB	Cervix	Esophagus	Stomach	
NMRK2	Testis			REG3G	Cervix			
CTSF	Testis			F7	Cervix			
TFAP2A	Testis	CRC	Kidney	KIAA0319	Ovarian	Astrocytoma		
COCH	Testis			IL1RAP	Ovarian	Kidney		
TRIM40	Testis	Kidney	SCLC	GFAP	Ovarian	Esophagus	Thyroid	
IL20RA	Testis	Osteosarcoma		LRP2BP	Ovarian			
BHMT2	Testis	Bladder		APLP1	Ovarian			
PLSCR3	Testis			NUDT2	Ovarian	Stomach		
MMP7	Testis	NSCLC		GP2	Ovarian	Pancreas		
RAB37	Testis			GH1	Ovarian	HCC	Kidney	
HSD17B3	Testis			FGF5	Ovarian			
ASPEN	Testis			LYVE1	Ovarian			

SERPINA6	Astrocytoma			PRKAG3	Ovarian	SCLC		
ODAM	Astrocytoma			TIMP4	Ovarian	CRC		
PMM2	Astrocytoma			RAB10	Ovarian			
TREM2	Astrocytoma			SF3B4	Ovarian	Thyroid		
TPM3	Astrocytoma			EPB41L5	Ovarian			
HLA-DRA	Astrocytoma			SUSD4	Ovarian			
CNTF	Astrocytoma			VPS53	Ovarian			
MYOM3	Astrocytoma			TSPAN1	Ovarian			
CLNS1A	Astrocytoma			ANXA5	Ovarian			
CALB1	Bladder	Kidney		PNPT1	Ovarian			
SH3BGRL2	Bladder			HSD17B14	Uterus	Pancreas		
PMCH	Bladder	CRC		ART3	Uterus	Esophagus		
CCL28	Bladder	Esophagus	SCLC	OMP	Uterus			
TCL1B	Bladder			VSTM2L	Uterus			
MIA	Bladder	Osteosarcoma		TEX101	Uterus			
DUOX2	Bladder			DEFB118	Uterus	Kidney		
KLK15	Bladder			ZNF174	Uterus			
CEACAM3	Bladder			MYOC	Uterus	Stomach		
CD160	Bladder			SPRR1B	Uterus			
SEMA4C	Bladder			LRCH4	Uterus			
MORN4	Bladder			IGF2BP3	Uterus	Osteosarcoma		
SCGB1A1	Bladder			MFGE8	Uterus			
FCGR3B	Bladder			WFIKKN2	Uterus			
DKKL1	Bladder			ANXA1	Uterus	Astrocytoma		
AFAP1	Bladder	CRC		DHODH	Uterus			
LRP2BP	Bladder	CRC	Kidney	SOD3	Uterus	Esophagus	Stomach	
CXCL10	Bladder			MYH9	Astrocytoma			
THRAP3	Bladder	Osteosarcoma		RAB39B	Astrocytoma	NSCLC		
FGFR2	Bladder			PPP1R14A	Astrocytoma	Kidney		
CFD	Bladder	NSCLC		VIPR1	Astrocytoma	CRC		
TP53INP1	CRC	NSCLC		ADAMTS16	Astrocytoma	Esophagus		
ITPR1	CRC	SCLC		IFNW1	Astrocytoma			
KDM3A	CRC			REPS1	Astrocytoma			
TCP11	CRC			FSHB	Bladder			
CXCL17	CRC			UBQLN3	Bladder			
VGF	CRC			LILRA2	Bladder			
CCND2	CRC			PAFAH1B3	Bladder	SCLC		
IL3	CRC	Thyroid		AREG	Bladder			
CBLIF	CRC			FGFR4	Bladder			
ERCC1	Esophagus	Pancreas		AGR3	CRC	SCLC		
DOCK9	Esophagus			TMPRSS15	CRC	Pancreas	SCLC	
NRXN3	Esophagus			DLL4	CRC			
APOH	Esophagus			CDH1	CRC			

BCL2L15	Esophagus	Osteosarcoma		TPSG1	CRC		
TFF1	Esophagus			DPP10	CRC	HCC	Pancreas
CASP10	Esophagus			SHC1	Esophagus	NSCLC	
COMMD9	Esophagus			LELP1	Esophagus	Kidney	
GIPR	Esophagus			RBM25	Esophagus		
AGR2	Esophagus	Pancreas	Stomach	AKR1B10	Esophagus	NSCLC	
PTPRN2	Esophagus			COL28A1	Esophagus		
COL9A1	HCC			CEACAM5	Esophagus	Pancreas	
NFASC	HCC			OBP2B	Esophagus		
AKR1B10	HCC			SMPDL3A	Esophagus		
C7	HCC			LGALS3BP	Esophagus		
ESPL1	HCC			AGRN	Esophagus		
BGLAP	HCC			REG1B	Esophagus		
APOD	Kidney			REG4	Esophagus		
SAG	Kidney	SCLC		CA4	HCC		
RAP1A	Kidney			TMEM132A	HCC		
ITGBL1	Kidney			FCRL5	HCC		
KIR3DL1	Kidney	SCLC		C1QA	HCC	Thyroid	
NID1	NSCLC			INHBC	HCC		
HTR1A	NSCLC			NEK7	HCC		
BEX3	NSCLC			GPR15L	HCC		
GAL	NSCLC			PCDH17	HCC		
SYNGAP1	NSCLC			IL12RB2	HCC		
RELB	NSCLC			ACE2	HCC	Pancreas	
KLKB1	NSCLC			SERPINA4	HCC	SCLC	
NUDT15	NSCLC			BCR	Kidney	Pancreas	
FAM171B	NSCLC			C4BPB	Kidney		
LCN15	NSCLC			FGF6	Kidney		
GRK5	NSCLC			FCN2	Kidney		
DGCR6	NSCLC			TNFRSF13C	Kidney		
TCOF1	NSCLC			GADD45B	NSCLC	SCLC	
PCARE	Osteosarcoma			GJA8	NSCLC		
NELL1	Osteosarcoma			SERPINB5	NSCLC		
FAM171A2	Osteosarcoma	Stomach		GC	NSCLC		
IL21R	Pancreas			ERVV-1	NSCLC		
PLA2G7	Pancreas			MLLT1	NSCLC		
REG3G	Pancreas			FBN2	NSCLC		
RNF4	Pancreas	Thyroid		KIF20B	Osteosarcoma		
COMP	Pancreas			FGF9	Osteosarcoma		
ADGRV1	Pancreas			STX7	Osteosarcoma		
AGBL2	Pancreas	Stomach		PITHD1	Osteosarcoma		
PAPPA	Pancreas			RAB3GAP1	Osteosarcoma		
TREH	Pancreas			GYS1	Osteosarcoma	Stomach	

WFDC1	Pancreas			WFIKKN1	Osteosarcoma			
OLFM4	SCLC			PPY	Osteosarcoma			
PFDN6	SCLC			CLEC4A	Osteosarcoma			
COL28A1	SCLC			CCL26	Osteosarcoma	Thyroid		
DDX4	SCLC			IGFBP1	Osteosarcoma			
CCL18	SCLC			MINDY1	Osteosarcoma			
GH1	Stomach			CFI	Osteosarcoma			
ENOPH1	Stomach			SCN4B	Osteosarcoma			
AKR1C4	Stomach			C2	Osteosarcoma			
CRX	Stomach			FAP	Osteosarcoma	SCLC		
IL5	Stomach			COQ7	Pancreas			
IL1RN	Stomach			SLC28A1	Pancreas			
FLT4	Stomach			SLC44A4	SCLC			
GKN1	Stomach			TNC	SCLC			
GAST	Stomach			ITIH3	SCLC			
ICAM2	Stomach			TSHB	Stomach			
TNNI3	Thyroid			CCL7	Stomach			
LMOD2	Thyroid			CCL11	Stomach			
CASP4	Thyroid			IL17RA	Stomach			
MSTN	Thyroid			BHLHE40	Thyroid			
SMPD3	Thyroid			PDE1C	Thyroid			
TNR	Thyroid			SUMF2	Thyroid			
TXK	Thyroid			GFOD2	Thyroid			
VSTM2B	Thyroid			ANG	Thyroid			
SHC1	Thyroid			CPE	Thyroid			
ASAH2	Thyroid			CCER2	Thyroid			
TG	Thyroid			CENPJ	Thyroid			