

Appendix 2

Fold Change (comparing to control group)				
Rejection Group				
	Fold Change	95% CI		Comments
A01	A2M	2.0786	(0.37, 3.79)	OKAY
A02	ARL1	1.0497	(0.44, 1.66)	OKAY
A03	ACE	0.2731	(0.00001, 0.68)	OKAY
P21	ACTB	1.120	(0.75, 1.51)	OKAY
P15	ACTB	1.1703	(0.73, 1.61)	OKAY
A04	ACTR1	0.5753	(0.00001, 1.21)	B
A05	AKT1	0.9056	(0.50, 1.31)	OKAY
A06	ANAPC7	1.0802	(0.58, 1.60)	OKAY
A07	ANPEP	0.2787	(0.00001, 0.66)	OKAY
A08	ANXA1	1.4711	(0.16, 2.78)	OKAY
A09	ANXA3	1.1207	(0.61, 1.63)	OKAY
A10	ANXA5	1.8572	(0.46, 3.26)	OKAY
A11	APAF1	1.0246	(0.63, 1.42)	OKAY
A12	APOB	0.0838	(0.00001, 0.29)	OKAY
A13	AR	1.3649	(0.00001, 2.88)	B
A14	ARHGDB	2.0895	(0.57, 3.61)	OKAY
A15	ATF1	0.9643	(0.59, 1.34)	OKAY
A16	ATF2	1.0048	(0.54, 1.47)	OKAY
A17	ATF3	0.6244	(0.20, 1.05)	OKAY
A18	ATF5	1.0438	(0.12, 1.97)	OKAY
A19	ATF6	1.1183	(0.61, 1.63)	OKAY
A20	ATP8B1	0.5545	(0.10, 1.01)	OKAY
A21	ALRKA	1.1452	(0.56, 1.73)	OKAY
P17	B2M	1.4533	(0.58, 2.33)	OKAY
A22	BAD	0.8254	(0.53, 1.12)	OKAY
A23	BAG4	0.810	(0.46, 1.18)	OKAY
A24	BAK1	0.8243	(0.36, 1.29)	OKAY
B01	BAK	0.9111	(0.55, 1.27)	OKAY
B02	BCL2	0.9314	(0.27, 1.59)	OKAY
B03	BCL2A1	4.263	(0.00001, 9.29)	OKAY
B04	BCL2L1	0.7825	(0.51, 1.05)	OKAY
B05	BCL2L14	0.3723	(0.00001, 0.97)	OKAY
B06	BDKRB1	4.7097	(0.00001, 10.11)	A
B07	BDKRB2	2.1952	(0.34, 4.05)	OKAY
B08	BID	1.7366	(0.75, 2.73)	OKAY
B09	BIK	1.3455	(0.08, 2.61)	OKAY
B10	BIRC2	1.1038	(0.61, 1.60)	OKAY
B11	BIRC3	1.1542	(0.32, 1.99)	OKAY
B12	BIRC5	1.396	(0.00001, 2.96)	B
B13	BIRC8	0.8598	(0.24, 1.08)	B
B14	BNIP3	1.2027	(0.51, 1.90)	OKAY
B15	BOK	0.6881	(0.22, 1.16)	OKAY
B16	BTK	2.5403	(0.24, 4.84)	A
B17	C3	2.3285	(0.00001, 5.75)	OKAY
B18	C5	0.535	(0.10, 0.97)	OKAY
B19	CACNA2D1	1.5289	(0.30, 2.76)	OKAY
B20	CAD	0.8887	(0.30, 1.44)	B
B21	CANX	1.0552	(0.68, 1.45)	OKAY
B22	CARD6	1.3161	(0.73, 1.90)	OKAY
B23	CARD9	1.3773	(0.00001, 3.21)	B
B24	CASP1	0.9355	(0.37, 1.50)	OKAY
C01	CASP2	0.966	(0.46, 1.47)	OKAY
C02	CASP3	1.1081	(0.59, 1.62)	OKAY
C03	CASP4	1.2174	(0.66, 1.77)	OKAY
C04	CASP6	0.5125	(0.08, 0.95)	OKAY
C05	CASP7	0.7262	(0.32, 1.15)	OKAY
C06	CASP8	1.0192	(0.46, 1.58)	OKAY
C07	CASP9	0.8151	(0.50, 1.13)	OKAY
C08	CCL2	3.7493	(0.00001, 2.85)	OKAY
C09	CCL20	2.143	(0.00001, 4.49)	OKAY
C10	CCL25	0.1306	(0.00001, 0.40)	OKAY
C11	CCL27	0.8373	(0.15, 1.52)	B
C12	CCL3	4.4827	(0.00001, 11.26)	OKAY
C13	CCL5	1.2322	(0.04, 2.42)	OKAY
C14	CCNA2	1.2543	(0.39, 2.12)	OKAY
C15	CCNB1	1.3496	(0.26, 2.44)	OKAY
C16	CCR2	2.4528	(0.42, 4.49)	OKAY
C17	CCR4	3.8571	(0.00001, 9.22)	OKAY
C18	CCR5	1.9699	(0.47, 3.47)	OKAY
C19	CCR6	1.5543	(0.21, 2.70)	OKAY
C20	CCR7	3.2974	(0.00001, 9.28)	A
C21	CCR9	1.0727	(0.00001, 2.29)	OKAY
C22	CD14	2.4168	(0.00001, 4.93)	OKAY
C23	CD180	2.7214	(0.48, 4.96)	OKAY
C24	CD19	3.2561	(0.00001, 7.44)	OKAY
D01	CD34	1.6579	(0.00001, 3.35)	OKAY
D02	CD38	3.3621	(0.42, 6.31)	OKAY
D03	CD3E	1.25	(0.08, 2.42)	OKAY
D04	CD4	1.2619	(0.44, 2.08)	OKAY
D05	CD40	2.4095	(0.29, 4.53)	OKAY
D06	CD40LG	1.1158	(0.04, 2.19)	A
D07	CD58	0.8816	(0.50, 1.26)	OKAY
D08	CD59	1.0583	(0.27, 1.86)	OKAY
D09	CD80	4.6207	(0.00001, 9.57)	OKAY
D10	CD86	2.4816	(0.83, 4.14)	OKAY
D11	CDC20	1.9534	(0.46, 3.67)	OKAY
D12	CDC25B	1.2851	(0.50, 2.07)	OKAY
D13	CDC42	1.01	(0.67, 1.35)	OKAY
D14	CDC6	1.0886	(0.49, 1.69)	OKAY
D15	CDC8	1.2945	(0.27, 2.30)	B
D16	CDCA8	1.1251	(0.21, 2.04)	OKAY
D17	CDH1	0.1611	(0.00001, 0.47)	OKAY
D18	CDK1	0.9526	(0.35, 1.55)	OKAY
D19	CDKN3	1.4673	(0.62, 2.31)	OKAY
D20	CEACAM5	0.1385	(0.00001, 0.48)	OKAY
D21	CEACAM6	0.2432	(0.00001, 0.75)	OKAY
D22	CENPA	1.3779	(0.36, 2.39)	OKAY
D23	CHUK	0.9526	(0.63, 1.30)	OKAY
D24	CLCA1	0.0674	(0.00001, 0.27)	OKAY
E01	CLEC4E	5.933	(0.00001, 15.52)	OKAY
E02	CRAD	0.8387	(0.33, 1.35)	B
E03	CRP	0.8923	(0.18, 1.56)	B
E04	CSF1	1.4521	(0.42, 2.49)	OKAY
E05	CSF2	8.3832	(0.00001, 19.72)	A
E06	CSF3	14.7933	(0.00001, 57.32)	A
E07	CTLA4	6.1153	(0.00001, 14.19)	A
E08	CXCL1	6.0788	(0.00001, 15.70)	OKAY
E09	CXCL10	9.3746	(0.00001, 20.52)	OKAY
E10	CXCL11	5.5525	(0.00001, 13.20)	OKAY
E11	CXCL2	3.7241	(0.00001, 9.51)	OKAY
E12	CXCL5	13.2232	(0.00001, 35.16)	OKAY
E13	CXCL6	10.4152	(0.00001, 27.36)	OKAY
E14	CYC3	0.7391	(0.28, 1.20)	OKAY
E15	CYLD	1.5402	(0.71, 2.37)	OKAY
E16	CYP3A4	0.0682	(0.00001, 0.21)	OKAY
E17	CYP7A1	0.433	(0.04, 0.83)	B
E18	DDX58	0.1071	(0.00001, 0.37)	OKAY
E19	DDX58	0.75	(0.24, 1.26)	OKAY
E20	DEFA4	1.4008	(0.00001, 3.24)	B
E21	DEFA5	0.0555	(0.00001, 0.26)	OKAY
E22	DEFA6	0.0663	(0.00001, 0.43)	OKAY
E23	DEFB1	0.8732	(0.17, 1.58)	OKAY
E24	DEFB103A	0.7822	(0.25, 1.32)	B
F01	DEFB126	0.6971	(0.28, 1.12)	B
F02	DEFB127	0.8918	(0.25, 1.11)	B
F03	DEFB129	0.6532	(0.19, 1.11)	B
F04	DEFB132	0.4545	(0.05, 0.86)	B
F05	DEFB4A	1.1567	(0.00001, 3.25)	B
F06	DEPDC1	1.3543	(0.53, 2.16)	B
F07	DMBT1	0.1047	(0.00001, 0.42)	OKAY
F08	DNAJC5	0.927	(0.55, 1.30)	OKAY
F09	ECSIT	0.6773	(0.28, 1.06)	OKAY
F10	EIF2AK2	1.3507	(0.70, 2.00)	OKAY
F11	EIF4EBP2	0.5007	(0.15, 0.85)	OKAY
F12	ELK1	1.1933	(0.58, 1.83)	A
F13	EPST11	1.6309	(0.44, 2.83)	A
F14	ERBB2IP	0.8158	(0.46, 1.17)	OKAY
F15	ESR1	1.4087	(0.28, 2.54)	B
F16	FABP6	0.0514	(0.00001, 0.22)	OKAY
F17	FADD	1.1652	(0.67, 1.66)	OKAY
F18	FAS	1.284	(0.78, 1.79)	OKAY
F19	FASLG	1.356	(0.18, 2.53)	A

F17	FIS1		0.6899	(0.42, 0.96)	OKAY
F18	FN1		2.1003	(0.00001, 4.38)	OKAY
F19	FOS		0.5801	(0.02, 1.14)	OKAY
F20	GALNT2		1.0197	(0.64, 1.40)	OKAY
P20	GAPDH		0.8858	(0.59, 1.18)	OKAY
F21	GBP1		2.104	(0.29, 3.92)	OKAY
F22	GNS2		1.1949	(0.28, 2.13)	OKAY
F23	GPI		0.863	(0.53, 1.20)	OKAY
F24	GTSE1		1.5236	(0.40, 2.65)	OKAY
G01	GZMA		1.1992	(0.17, 2.21)	OKAY
G02	GZMB		4.8736	(0.00001, 10.48)	OKAY
G03	HERC5		1.8864	(0.40, 3.38)	OKAY
P22	HGDC		0.8151	(0.19, 1.44)	B
G04	HLA-DRA		1.2226	(0.27, 2.17)	OKAY
G05	HMB1		1.5963	(0.00001, 3.52)	OKAY
G06	HPGD		0.4345	(0.06, 0.81)	OKAY
P18	HPRT1		0.70	(0.42, 1.16)	OKAY
G07	HRAS		1.3121	(0.21, 2.41)	OKAY
G08	HR23		2.3825	(0.00001, 5.25)	A
G09	HSPA1A		1.8644	(0.00001, 3.81)	OKAY
G10	HSPA4		1.1542	(0.62, 1.69)	OKAY
G11	HSPD1		0.9338	(0.45, 1.42)	OKAY
G12	KAM1		3.7257	(0.00001, 8.56)	OKAY
G13	KOS		2.488	(0.00001, 5.29)	A
G14	IFI16		1.7238	(0.63, 2.82)	OKAY
G15	IFIT1		1.0184	(0.25, 1.78)	OKAY
G16	IFI35		1.1457	(0.57, 1.73)	OKAY
G17	IFI44		1.4616	(0.13, 2.79)	OKAY
G18	IFI6		0.9961	(0.00001, 2.02)	OKAY
G19	IFIT1		1.2559	(0.00001, 2.72)	OKAY
G20	IFIT2		1.614	(0.33, 2.90)	OKAY
G21	IFIT3		1.5105	(0.23, 2.79)	OKAY
G22	IFIT5		1.1552	(0.59, 1.72)	OKAY
G23	IFITM1		2.1519	(0.60, 3.50)	OKAY
G24	IFNA1		1.1918	(0.27, 2.11)	B
H01	IFNB1		1.1158	(0.10, 2.13)	B
H02	IFNG		5.237	(0.00001, 10.74)	A
H03	IKKB		1.1105	(0.43, 1.79)	OKAY
H04	IKBKE		1.8332	(0.72, 2.95)	OKAY
H05	IKBK		1.0237	(0.38, 1.67)	OKAY
H06	IL10		1.8789	(0.00001, 3.83)	A
H07	IL12A		1.6847	(0.27, 3.10)	A
H08	IL17A		0.9781	(0.34, 1.62)	B
H09	IL1A		7.4902	(0.00001, 20.42)	OKAY
H10	IL1B		8.2535	(0.00001, 24.43)	OKAY
H11	IL1R1		2.4559	(0.00001, 5.13)	OKAY
H12	IL1R2		9.3664	(0.00001, 26.54)	OKAY
P11	IL1RAP		1.8864	(0.35, 3.42)	OKAY
H13	IL1RL1		3.9415	(0.00001, 9.83)	OKAY
H14	IL2		0.9005	(0.00001, 1.85)	B
H15	IL2RA		2.8592	(0.00001, 5.87)	OKAY
H16	IL33		1.8942	(0.16, 3.23)	OKAY
H17	IL5		0.2167	(0.00001, 0.48)	OKAY
H18	IL6		5.1784	(0.00001, 16.56)	OKAY
H19	IL7		1.1759	(0.45, 1.90)	OKAY
H20	IL8		13.1489	(0.00001, 40.37)	OKAY
H21	IRAK1		1.0351	(0.59, 1.48)	OKAY
H22	IRAK2		2.3559	(0.50, 4.21)	OKAY
H23	IRAK4		1.0867	(0.58, 1.59)	OKAY
H24	IRF1		1.3821	(0.44, 2.32)	OKAY
I01	IRF3		0.9897	(0.40, 1.58)	OKAY
I02	IRF7		1.3258	(0.33, 2.32)	A
I03	ISG15		2.1538	(0.00001, 5.20)	OKAY
I04	ISG20		1.8396	(0.55, 3.13)	OKAY
I05	ITGA1		1.833	(0.19, 3.07)	OKAY
I06	ITGAM		2.7774	(0.00001, 6.68)	OKAY
I07	ITGB1		1.2274	(0.65, 1.81)	OKAY
I08	ITGB2		2.6459	(0.40, 4.89)	OKAY
I09	JUN		0.4567	(0.20, 0.72)	OKAY
I10	KAT5		0.8985	(0.53, 1.27)	OKAY
I11	KIF20B		1.0026	(0.34, 1.67)	OKAY
I12	KLK14		0.8445	(0.08, 1.61)	B
I13	KLKB1		0.4884	(0.02, 0.96)	OKAY
I14	LAP3		1.6508	(0.63, 2.67)	OKAY
I15	LMNA		0.7819	(0.29, 1.27)	OKAY
P12	LRRRC25		1.4527	(0.42, 2.49)	B
I16	LTA		1.5733	(0.00001, 3.42)	B
I17	LTBR		1.0429	(0.49, 1.59)	B
I18	LTBR		0.7897	(0.48, 1.10)	OKAY
I19	LY96		2.0306	(0.27, 3.79)	OKAY
I20	LY96		2.0958	(0.31, 3.88)	OKAY
I21	MADCAM1		4.9033	(0.00001, 10.20)	OKAY
I22	MADD		1.0254	(0.58, 1.49)	OKAY
I23	MAP2K3		1.0211	(0.62, 1.42)	OKAY
I24	MAP2K4		0.9005	(0.58, 1.22)	OKAY
J01	MAP3K1		1.1081	(0.52, 1.69)	OKAY
J02	MAP3K10		0.8453	(0.35, 1.34)	B
J03	MAP3K11		0.8063	(0.45, 1.16)	OKAY
J04	MAP3K13		0.5857	(0.14, 1.03)	OKAY
J05	MAP3K2		0.9714	(0.55, 1.39)	OKAY
J06	MAP3K6		0.9798	(0.25, 1.70)	OKAY
J07	MAP3K7		1.0453	(0.62, 1.48)	OKAY
J08	MAP3K8		1.8954	(0.40, 3.39)	OKAY
J09	MAP3K9		0.8993	(0.27, 1.53)	B
J10	MAP4K2		1.3841	(0.18, 2.63)	B
J11	MAP4K4		1.5631	(0.38, 2.74)	OKAY
J12	MAPK1		1.1477	(0.70, 1.59)	OKAY
J13	MAPK10		1.063	(0.08, 2.04)	OKAY
J14	MAPK13		0.8567	(0.24, 0.87)	OKAY
J15	MAPK14		1.1134	(0.70, 1.53)	OKAY
J16	MAPK3		0.6016	(0.32, 0.88)	OKAY
J17	MAPK6		0.7539	(0.46, 1.05)	OKAY
J18	MAPK8		0.9334	(0.57, 1.30)	OKAY
J19	MAPK8IP3		1.1183	(0.54, 1.69)	OKAY
J20	MAPK9		0.9727	(0.60, 1.35)	OKAY
J21	MC2R		0.8923	(0.10, 1.69)	B
J22	MCL1		1.2968	(0.45, 2.14)	OKAY
J23	MCM2		1.3554	(0.40, 2.31)	OKAY
J24	MCM4		1.0732	(0.45, 1.69)	OKAY
K01	MCM5		1.2048	(0.38, 2.03)	OKAY
K02	MDK		0.2313	(0.00001, 0.56)	A
K03	MMP2		2.0026	(0.02, 3.98)	OKAY
K04	MMP9		5.4335	(0.00001, 13.58)	OKAY
K05	MX1		1.6063	(0.08, 3.13)	OKAY
K06	MY2		2.0652	(0.45, 3.68)	OKAY
K07	MYD88		1.1866	(0.68, 1.70)	OKAY
K08	NAIP		1.598	(0.65, 2.55)	OKAY
K09	NCAPG		1.3304	(0.42, 2.24)	OKAY
K10	NEUROD1		0.3297	(0.00001, 0.99)	A
K11	NFKB1		1.303	(0.65, 1.96)	OKAY
K12	NFKB2		1.8905	(0.29, 3.49)	OKAY
K13	NFKBIA		1.809	(0.38, 3.34)	OKAY
K14	NFKBIB		1.0671	(0.54, 1.59)	OKAY
K15	NFKBIE		2.7943	(0.33, 5.26)	OKAY
K16	NFKBIL1		0.7083	(0.30, 1.12)	B
K17	NFRKB		0.5009	(0.12, 0.88)	OKAY
K18	NGFR		1.4736	(0.00001, 3.25)	B
K19	NLRP1		1.7955	(0.17, 3.42)	A
K20	NOD1		0.8697	(0.29, 1.85)	OKAY
K21	NOD2		1.8588	(0.01, 3.71)	B
K22	NROB2		0.1744	(0.00001, 0.49)	A
K23	NR1H4		0.186	(0.00001, 0.59)	OKAY
K24	NR2C2		0.9765	(0.52, 1.44)	OKAY
L01	NUP2		1.3791	(0.29, 2.47)	OKAY
L02	OAS1		0.9983	(0.13, 1.86)	OKAY
L03	OAS2		2.9562	(0.59, 5.32)	OKAY
L04	OAS3		1.8348	(0.40, 3.27)	OKAY
L05	OASL		2.3497	(0.07, 4.63)	OKAY
L06	PAK1		0.7976	(0.40, 1.20)	OKAY
L07	PAK2		1.0434	(0.59, 1.49)	OKAY
L08	PARP1		1.8847	(0.57, 3.96)	OKAY
L09	PCK1		0.8537	(0.24, 1.47)	OKAY
L10	PDE4A		2.0536	(0.36, 3.75)	B
L11	PDE4B		4.3829	(0.00001, 9.85)	OKAY
L12	PEA3		1.5866	(0.55, 2.62)	OKAY

L13	PECAM1		1.6014	(0.00001, 3.41)	OKAY
L14	PELI1		1.0713	(0.61, 1.54)	OKAY
P16	PKR1		1.4161	(0.70, 2.14)	OKAY
L15	PLA2G1B		0.4755	(0.00001, 0.99)	B
L16	PLA2G2A		0.0771	(0.00001, 0.30)	OKAY
L17	PLA2G7		4.2483	(0.00001, 9.21)	OKAY
L18	PLCB3		0.3867	(0.01, 0.76)	OKAY
L19	PLS1		0.1445	(0.00001, 0.47)	OKAY
L20	POLA2		1.0653	(0.48, 1.65)	OKAY
L21	POLB3		1.0667	(0.58, 1.55)	OKAY
L22	POLG		1.0362	(0.62, 1.45)	OKAY
L23	PPARA		0.4798	(0.14, 0.82)	OKAY
L24	PPARG		0.3928	(0.09, 0.69)	OKAY
P24	PPC		0.7588	(0.33, 1.19)	OKAY
M01	PPP2R5E		1.0004	(0.57, 1.45)	OKAY
M02	PRF1		3.7192	(0.00001, 7.79)	A
M03	PRKRA		0.9731	(0.55, 1.40)	OKAY
P13	PSME2		0.9865	(0.34, 1.63)	OKAY
M04	PTAFR		3.6569	(0.38, 1.03)	OKAY
M05	PTGIR		2.3836	(0.00001, 5.61)	B
M06	PTGS2		6.8605	(0.00001, 19.24)	OKAY
P14	PTMA		1.2094	(0.50, 1.92)	OKAY
M07	PTPRC		2.0262	(0.11, 3.94)	OKAY
M08	RB1		1.1383	(0.62, 1.66)	OKAY
M09	REG1A		0.0985	(0.00001, 0.40)	OKAY
M10	REL		1.1827	(0.51, 1.82)	OKAY
M11	RELA		0.9727	(0.38, 1.56)	OKAY
M12	RIPK1		0.6414	(0.17, 1.12)	OKAY
M13	RIPK2		2.1306	(0.63, 3.63)	OKAY
M14	RIPK3		0.7343	(0.38, 1.11)	OKAY
P19	RPL13A		1.0357	(0.43, 1.64)	OKAY
M15	RRM2		1.4383	(0.41, 2.47)	OKAY
P23	RTC		0.7497	(0.28, 1.22)	OKAY
M16	SARM1		0.8516	(0.39, 0.91)	OKAY
M17	SELE		6.3121	(0.00001, 20.45)	OKAY
M18	SELP		3.4230	(0.00001, 7.06)	OKAY
M19	SERPINA1		0.4989	(0.01, 0.99)	OKAY
M20	SIGIRR		0.3988	(0.03, 0.77)	B
M21	SKI		1.3455	(0.46, 2.23)	OKAY
M22	SLC26A3		0.057	(0.00001, 0.21)	OKAY
M23	SLC5A1		0.9557	(0.00001, 0.22)	OKAY
M24	SPP1		1.7385	(0.00001, 3.82)	OKAY
N01	SUGT1		0.9841	(0.54, 1.43)	OKAY
N02	TAB1		0.9901	(0.39, 1.59)	OKAY
N03	TAB2		1.042	(0.65, 1.43)	OKAY
N04	TAB3		0.9875	(0.58, 1.40)	OKAY
N05	TANK		1.2862	(0.75, 1.83)	OKAY
N06	TBK1		1.2435	(0.68, 1.81)	OKAY
N07	TBX21		2.1049	(0.00001, 4.45)	B
N08	TBXAS1		1.819	(0.60, 3.04)	OKAY
N09	TGFB1		1.8103	(0.19, 3.43)	OKAY
N10	THY1		2.1538	(0.00001, 4.50)	OKAY
N11	TICAM1		0.8526	(0.48, 1.24)	OKAY
N12	TICAM2		1.6091	(0.73, 2.49)	OKAY
N13	TIRAP		0.7782	(0.51, 1.04)	OKAY
N14	TLE1		1.1363	(0.54, 1.73)	OKAY
N15	TLR1		2.6026	(0.63, 4.56)	OKAY
N16	TLR10		2.4538	(0.00001, 5.76)	A
N17	TLR2		1.975	(0.18, 3.77)	OKAY
N18	TLR3		0.4504	(0.00001, 0.93)	OKAY
N19	TLR4		2.0429	(0.51, 3.77)	OKAY
N20	TLR5		1.5449	(0.46, 2.63)	OKAY
N21	TLR6		2.3794	(0.44, 4.32)	OKAY
N22	TLR7		2.4116	(0.36, 4.46)	A
N23	TLR8		3.5262	(0.59, 6.46)	OKAY
N24	TLR9		1.2735	(0.00001, 2.61)	B
O01	TNF		3.6144	(0.00001, 7.36)	OKAY
O02	TNFAIP3		2.5293	(0.00001, 5.24)	OKAY
O03	TNFRSF10A		0.9279	(0.40, 1.26)	OKAY
O04	TNFRSF10B		0.9531	(0.55, 1.36)	OKAY
O05	TNFRSF10C		2.255	(0.00001, 4.79)	OKAY
O06	TNFRSF11A		0.2807	(0.00001, 0.64)	A
O07	TNFRSF19		2.932	(0.04, 5.82)	B
O08	TNFRSF1A		0.7836	(0.45, 1.11)	OKAY
O09	TNFRSF1B		1.3578	(0.41, 2.31)	OKAY
O10	TNFRSF25		0.8655	(0.51, 1.05)	OKAY
O11	TNFRSF4		3.1343	(0.00001, 6.94)	A
O12	TNFRSF8		0.9794	(0.38, 1.58)	B
O13	TNFRSF13		0.5398	(0.01, 1.07)	B
O14	TNFRSF19B		2.4666	(0.97, 3.97)	OKAY
O15	TNFSF14		1.9202	(0.09, 3.75)	B
O16	TNFSF4		2.8016	(0.42, 5.18)	A
O17	TOLLIP		0.6878	(0.37, 0.97)	OKAY
O18	TOP2A		1.4038	(0.47, 2.33)	OKAY
O19	TP53		1.3809	(0.35, 2.41)	OKAY
O20	TRADD		1.3785	(0.49, 2.27)	B
O21	TRAF1		2.4559	(0.00001, 5.05)	OKAY
O22	TRAF2		1.1171	(0.45, 1.79)	OKAY
O23	TRAF3		1.3121	(0.60, 2.02)	OKAY
O24	TRAF6		0.8717	(0.52, 1.22)	OKAY
P01	TRIP6		1.229	(0.41, 2.05)	OKAY
P02	UBE2N		1.0976	(0.67, 1.52)	OKAY
P03	UGT2B17		0.0695	(0.00001, 0.26)	OKAY
P04	VEGFA		0.7907	(0.41, 1.17)	OKAY
P05	VIP		2.725	(0.01, 5.44)	OKAY
P06	VIPR1		0.1583	(0.00001, 0.98)	A
P07	XIAP		0.8935	(0.53, 1.25)	OKAY

Comments:

A: This gene's average threshold cycle is relatively high (> 30) in either the control or the test sample, and is reasonably low in the other sample (< 30).
 These data mean that the gene's expression is relatively low in one sample and reasonably detected in the other sample suggesting that the actual fold-change value is at least as large as the calculated and reported fold-change result.
 This fold-change result may also have greater variations if p value > 0.05; therefore, it is important to have a sufficient number of biological replicates to validate the result for this gene.

B: This gene's average threshold cycle is relatively high (> 30), meaning that its relative expression level is low, in both control and test samples, and the p-value for the fold-change is either unavailable or relatively high (p > 0.05).
 This fold-change result may also have greater variations; therefore, it is important to have a sufficient number of biological replicates to validate the result for this gene.

C: This gene's average threshold cycle is either not determined or greater than the defined cut-off value (default 39), in both samples meaning that its expression was undetected, making this fold-change result erroneous and uninterpretable.

Fold Change & Fold Regulation:
 Fold-Change (2^{-ΔΔCt}) is the normalized gene expression (2^{-ΔCt} Delta Ct) in the Test Sample divided the normalized gene expression (2^{-ΔCt} Delta Ct) in the Control Sample.
 Fold-Regulation represents fold-change results in a biologically meaningful way. Fold-change values greater than one indicate a positive- or an up-regulation, and the fold-regulation is equal to the fold-change.
 Fold-change values less than one indicate a negative or down-regulation, and the fold-regulation is the negative inverse of the fold-change.
 Fold-change and fold-regulation values greater than 2 are indicated in red; fold-change values less than 0.5 and fold-regulation values less than -2 are indicated in blue.

Code: A No Repeat NR R

Table with columns: Position, Symbol, Alias, Release 9, Official Full Name, and 25 columns of PCD values. The table lists various genes and their associated PCD values across multiple releases.

		AVG Ct		Standard Deviation	
		Control Group	Rejection Group	Control Group	Rejection Group
A01	A2M	22.82	21.34	1.158217	0.877715
A02	ABL1	26.83	26.34	0.612389	0.529607
A03	ACE	26.06	27.51	2.757786	2.771666
A04	AGSTR1	31.18	31.56	2.473294	0.983113
A05	AKT1	26.21	25.93	0.646627	0.29703
A06	ANAPC7	25.67	25.14	0.619611	0.288094
A07	ANPEP	20.87	22.29	2.37029	2.841649
A08	ANXA1	24.71	23.73	1.602376	0.781965
A09	ANXA3	24.5	23.92	1.656889	0.967795
A10	ANXA5	23.09	21.78	1.04545	0.851432
A11	APAF1	26.55	26.1	0.821453	0.493848
A12	APOB	21.6	24.76	3.190897	5.13579
A13	AR	32.58	31.71	2.241883	1.186151
A14	ARHGDI8	23.9	22.42	1.049454	0.860422
A15	ATF1	25.61	25.25	0.955795	0.424688
A16	ATF2	24.87	24.45	0.570619	0.365552
A17	ATF3	25.9	26.16	1.474663	0.669849
A18	ATF5	29.95	29.47	1.582856	1.64195
A19	ATF6	26.68	26.1	1.075787	0.511173
A20	ATP8B1	26.24	26.68	1.837585	1.679778
A21	AURKA	26.61	26	1.106952	0.533973
A22	BAD	27.43	27.29	0.881427	0.543422
A23	BAG4	26.88	26.75	0.88786	0.519352
A24	BAK1	26.36	26.22	1.356539	0.924623
B01	BAX	25.44	25.16	0.908275	0.584899
B02	BCL2	28.99	28.67	0.64452	0.736022
B03	BCL2A1	25.24	22.73	2.007365	1.70806
B04	BCL2L1	27.22	27.15	1.03967	0.564288
B05	BCL2L14	26.77	27.78	2.51782	3.066534
B06	BDKRB1	30.61	27.96	1.9561	2.050171
B07	BDKRB2	29.85	28.3	1.580103	1.410965
B08	BD	25.8	24.58	1.310185	0.700335
B09	BIK	29.23	28.38	1.813081	1.553604
B10	BIRC2	24.74	24.18	1.038874	0.454939
B11	BIRC3	23.63	23	1.710058	1.027785
B12	BIRC5	32.44	31.54	1.878181	1.688164
B13	BIRC8	34.82	35	0.495936	0
B14	BNIP3	24.69	24.01	1.202779	0.90057
B15	BOK	29.72	29.84	0.955601	0.466107
B16	BTX	31.11	29.34	1.318155	1.052685
B17	C3	29.72	28.09	2.539656	1.896907
B18	C5	27.49	27.98	0.958433	1.261608
B19	CACNA2D1	28.22	27.19	1.00437	0.97618
B20	CAD	34.79	34.58	0.376824	0.484554
B21	CANX	22.68	22.19	1.089407	0.46192
B22	CARD6	28.47	27.65	1.208436	0.49428
B23	CARD9	32.31	31.43	1.565697	1.754231
B24	CASP1	23.06	22.74	1.571971	0.938489
C01	CASP2	26.91	26.54	0.804226	0.431027
C02	CASP3	24.59	24.02	1.438526	0.851889
C03	CASP4	23.42	22.71	0.939745	0.364211
C04	CASP6	25.82	26.37	1.636218	1.681958
C05	CASP7	25.09	25.11	1.448734	0.955308
C06	CASP9	25.83	25.38	0.550984	0.553533
C07	CASP9	25.9	25.78	0.916522	0.406685
C08	CCL2	26.98	24.66	1.555641	1.836252
C09	CCL20	24.99	23.43	2.628068	1.934403
C10	CCL25	24.41	26.93	3.55117	3.902816
C11	CCL27	32.98	32.82	1.130383	0.78298
C12	CCL3	28.57	25.99	2.291649	2.323633
C13	CCL5	24.35	23.63	1.444774	1.168998
C14	CCNA2	26.14	25.39	1.450867	0.82935
C15	CCNB1	26.28	25.43	1.621869	1.330456
C16	CCR2	29.35	27.64	1.307246	1.014675
C17	CCR4	33.09	30.72	1.644781	2.448022
C18	CCR5	28.1	26.7	1.202898	0.692458
C19	CCR6	28.68	27.62	1.404664	0.99635
C20	CCR7	31.76	29.41	2.08917	1.950201
C21	CCR9	29.4	28.88	1.693983	1.785749
C22	CD14	27.21	25.92	1.672049	1.478182
C23	CD180	27.89	26.03	1.244156	1.108879
C24	CD19	30.44	28.32	1.717965	1.722879
D01	CD34	27.05	25.91	1.316474	1.228204
D02	CD38	26.73	24.57	1.615003	0.909631
D03	CD3E	27.57	26.83	1.263623	1.161154
D04	CD4	29.41	28.65	0.585252	0.71585
D05	CD40	28.25	26.56	1.092635	1.067613
D06	CD40LG	30.57	30	1.580718	1.56343
D07	CD58	24.37	24.13	1.165561	0.706064
D08	CD80	29.85	27.23	1.828668	1.869335
D09	CD86	27.6	25.87	1.129124	0.820163
D10	CD20	26.37	25.87	1.518999	1.069485
D11	CDC25B	26.69	25.91	0.709246	0.487904
D12	CDC42	23.37	22.94	1.183359	0.581322
D13	CDC6	27.1	26.56	1.225161	0.699693
D14	CDC45	32.42	31.64	1.228321	0.981739
D15	CDCA8	29.33	28.74	1.386511	0.9817
D16	CDH1	24.14	26.35	2.314634	3.872007
D17	CDK1	25.7	25.35	1.481436	1.582494
D18	CDKN3	26.06	25.09	1.210628	0.704403
D19	CEACAM5	23.83	26.27	2.62649	5.427796
D20	CEACAM6	24.78	26.4	2.68611	4.547454
D21	CENPA	27.7	26.82	1.439736	0.911511
D22	CHUK	26.57	26.21	1.137248	0.559271
D23	CLEC4E	28.76	25.77	3.015531	2.329948
D24	CRADD	30.95	30.78	1.640869	0.904077
E01	CRP	34.84	34.64	0.635	0.673582
E02	CSF1	27.92	26.96	0.676752	0.536601
E03	CSF2	33.07	29.58	1.735627	2.676015
E04	CSF3	30.2	25.9	3.442208	5.291643
E05	CTLA4	32.05	29.02	2.159541	1.81272
E06	CXCL1	25.26	22.24	2.36157	2.891282
E07	CXCL10	27.26	23.61	2.149117	1.463448
E08	CXCL11	29.11	28.21	1.876765	2.099267
E09	CXCL2	24.03	21.72	2.138101	2.663562
E10	CXCL5	26.96	22.82	3.046267	2.817708
E11	CXCL6	26.23	22.43	3.36355	2.880996
E12	CYCS	29.84	29.87	1.025462	0.486634
E13	CYLD	25.73	24.69	1.022024	0.461852
E14	CYP3A4	24.24	27.7	3.66668	3.964571
E15	CYP7A1	33.5	34.29	1.533182	1.041056
E16	DDC	25.72	28.53	3.110082	5.009976
E17	DDX58	24.82	24.82	0.77792	2.060741
E18	DEFA4	33.65	32.74	1.170412	1.68595
E19	DEFA5	20.17	23.92	4.933677	7.529426
E20	DEFA6	19.67	22.63	5.321166	6.973668
E21	DEFB1	27.93	27.71	1.99714	1.521907
E22	DEFB103A	34.69	34.63	0.560648	0.702546
E23	DEFB126	34.9	35	0.326072	0
E24	DEFB127	34.87	35	0.35775	0
F01	DEFB129	34.59	34.79	0.575728	0.278334
F02	DEFB132	34.28	35	1.395817	0
F03	DEFB4A	31.86	31.23	3.601187	3.315318
F04	DEPDC1	32.01	31.15	1.340629	0.965497
F05	DMBT1	23.43	26.26	3.449585	6.189188
F06	DNAJC5	26.28	25.98	0.897398	0.390128
F07	ECSIT	27.74	27.9	0.913039	0.57953
F08	EIF2AK2	25.07	24.21	0.701131	0.671926
F09	ELK1	30.21	29.54	0.97541	0.606277

F10	EPST11	30.85	29.72	1.450094	1.028222
F11	ERBB2IP	23.54	23.41	1.236435	0.670436
F12	ESR1	33.53	32.59	1.500992	1.089996
F13	FABP6	19.84	23.7	2.880439	6.807181
F14	FADD	28.38	27.74	1.291436	0.637819
F15	FAS	25.15	24.37	0.881833	0.631727
F16	FASLG	30.63	29.77	1.796336	1.111632
F17	FIS1	24.34	24.45	0.757661	0.688883
F18	FN1	25.49	24	1.323066	1.854112
F19	FOS	24.82	24.82	1.641829	0.779165
F20	GALNT2	28.43	27.98	1.006197	0.658026
F21	GBP1	24.33	22.83	1.039269	1.014494
F22	GINS2	27.49	26.81	1.445804	1.058351
F23	GPI	24.33	24.13	1.104306	0.53396
F24	GTS1	29.88	28.85	1.435544	0.844189
G01	GZMA	25.13	24.46	1.823497	0.947009
G02	GZMB	27.75	25.04	1.802777	1.5063
G03	HERC5	27.18	25.84	0.874801	1.563857
G04	HLA-DRA	20.6	19.89	1.682829	0.913313
G05	HMG1B1	23.85	22.76	3.143348	0.640664
G06	HPGD	23.25	24.04	1.703788	1.967021
G07	HRAS	27.89	27.08	2.040791	0.254021
G08	HRH2	31.45	29.78	2.150826	1.818928
G09	HSPA1A	26.56	25.24	0.881022	1.781995
G10	HSPA4	24.22	23.59	0.856819	0.303453
G11	HSPD1	22.53	22.21	1.250732	0.850444
G12	ICAM1	26.81	24.3	1.572113	1.925839
G13	ICOS	31.35	29.62	1.721557	1.646286
G14	IFI16	24.48	23.27	0.838699	0.540316
G15	IFI27	24.16	23.72	1.661102	1.436969
G16	IFI35	25.98	25.36	1.930304	0.699427
G17	IFI44	24.93	23.96	0.792204	1.529389
G18	IFI6	25.76	25.35	1.664578	2.025507
G19	IFIT1	25.59	24.84	1.14088	2.360708
G20	IFIT2	26.82	25.71	1.198123	1.424755
G21	IFIT3	25.46	24.45	1.285358	1.486386
G22	IFIT5	26.47	25.84	1.009519	0.792987
G23	IFITM1	21.98	20.45	1.035025	0.868876
G24	IFNA1	34.31	33.63	0.775946	0.980655
H01	IFNB1	34.39	33.82	0.904594	1.222561
H02	IFNG	30.74	27.93	1.366289	1.490213
H03	IKBK1B	26.87	26.3	0.483301	0.399643
H04	IKBK1E	27.33	26.04	0.938216	0.613654
H05	IKBK1G	28.55	28.1	0.720885	0.5099
H06	IL10	30.66	29.5	2.173623	1.886736
H07	IL12A	30.8	29.63	1.723612	0.817798
H08	IL17A	34.7	34.32	0.539879	1.019328
H09	IL1A	28.86	26.54	3.164431	2.533732
H10	IL1B	26.89	23.43	3.325194	3.197772
H11	IL1R1	26.38	24.66	1.222816	1.542187
H12	IL1R2	28.14	24.49	3.475889	2.849594
H13	IL1RL1	27.09	24.69	2.108727	2.494144
H14	IL2	32.86	32.59	1.452315	1.628303
H15	IL2RA	26.36	26.43	1.523389	1.695978
H16	IL33	27.48	26.3	1.860923	0.971832
H17	IL5	30.54	32.32	1.712012	2.482877
H18	IL6	28.8	26.01	3.656727	3.568933
H19	IL7	26.89	26.24	1.428857	1.015649
H20	IL8	26.85	21.72	3.817479	3.475935
H21	IRAK1	29.11	28.64	1.04335	0.480823
H22	IRAK2	29.37	27.72	1.618464	1.167298
H23	IRAK4	25.79	25.25	0.755566	0.340711
H24	IRF1	25.55	24.67	1.069135	0.795034
I01	IRF3	25.16	24.76	0.697653	0.355003
I02	IRF7	30.61	30.29	0.871217	0.876617
I03	ISG15	26.27	24.74	2.216742	2.501365
I04	ISG20	25.1	23.8	1.595955	0.915227
I05	ITGAL	29.75	28.62	1.124278	1.344826
I06	ITGAM	28.64	26.75	1.552475	2.31195
I07	ITGB1	22.75	22.94	1.426682	0.683088
I08	ITGB2	26.53	24.73	1.127066	1.138043
I09	JUN	27.34	28.05	1.383505	0.748817
I10	KAT5	28.71	28.44	0.732814	0.424026
I11	KIF20B	27.37	26.94	1.160941	0.910509
I12	KLK14	34.64	34.46	0.721951	0.823113
I13	KLKB1	28.36	28.98	1.8218	1.330336
I14	LAP3	23.98	22.84	1.402476	0.679189
I15	LMNA	27.01	26.94	0.872231	0.24363
I16	LTA	33.47	32.39	1.037613	1.967709
I17	LTBR2	31.59	31.11	0.914117	0.580491
I18	LTBR	26	25.93	1.077539	0.681134
I19	LY86	28.73	27.29	1.183521	0.852428
I20	LY96	25.99	24.51	1.416799	0.985491
I21	MADCAM1	28.15	25.44	1.612516	1.524336
I22	MADD	28.04	27.59	0.709271	0.537639
I23	MAP2K3	24.14	23.69	0.889464	0.433522
I24	MAP2K4	26.37	26.1	0.339686	0.531863
J01	MAP3K1	27.45	26.89	0.705736	0.437099
J02	MAP3K10	31.39	31.22	1.073759	0.725534
J03	MAP3K11	27.8	27.69	0.799049	0.502302
J04	MAP3K13	26.74	27.1	1.691736	1.342788
J05	MAP3K2	25.35	24.97	1.115548	0.920401
J06	MAP3K6	26.6	23.22	0.893001	0.740498
J07	MAP3K7	25.37	24.88	0.983722	0.32377
J08	MAP3K8	26.49	25.15	1.101357	1.032728
J09	MAP3K9	31.63	31.36	1.696107	1.313218
J10	MAP4K2	31.64	30.74	1.104018	0.670904
J11	MAP4K4	27.02	25.95	0.974884	0.90307
J12	MAPK1	24.61	24	0.958086	0.344795
J13	MAPK10	28.12	27.61	1.008249	0.966359
J14	MAPK13	25.2	25.62	1.366419	1.224732
J15	MAPK14	25.81	25.23	0.838378	0.703171
J16	MAPK3	25.22	25.53	1.118526	0.9553
J17	MAPK6	24.36	24.94	1.587513	0.850338
J18	MAPK8	25.46	25.14	1.058892	0.589841
J19	MAPK8IP3	28.56	27.98	0.665517	0.384253
J20	MAPK9	26.21	25.83	1.011596	0.532714
J21	MC2R	34.7	34.45	0.539388	0.847499
J22	MCL1	21.77	20.97	0.869163	0.560402
J23	MCM2	28.53	27.68	1.511399	0.70599
J24	MCM4	27.91	27.39	1.133372	0.559616
K01	MCM5	26.91	26.22	0.65148	0.52013
K02	MDK	28.53	30.23	2.671936	2.729678
K03	MMF2	25.67	24.25	1.256204	1.279294
K04	MMP9	27.5	24.64	2.001585	2.368882
K05	MX1	25.99	24.89	1.351557	1.620511
K06	MX2	27.24	25.77	1.243977	1.145264
K07	MYD88	24.32	23.66	1.106708	0.451029
K08	NAIP	25.54	24.44	0.615326	0.57468
K09	NCAIP3	26.84	26.01	1.171429	0.793887
K10	NEUROD1	29.34	30.53	3.55257	3.22384
K11	NFKB1	27	26.2	0.884778	0.542007
K12	NFKB2	28.59	27.25	0.942429	1.181312
K13	NFKBIA	23.91	22.64	1.086856	1.280335
K14	NFKBIB	27.94	27.43	0.883394	0.562988
K15	NFKBIE	29.15	27.25	1.995314	0.795451
K16	NFKBIL1	30.27	30.35	0.730666	0.433159
K17	NFRKB	27.2	27.78	1.326705	1.536982
K18	NGFR	32.84	31.86	1.515601	1.296685
K19	NLRP1	30.09	28.83	1.356338	0.933112
K20	NOD1	28.29	27.92	0.586836	0.408831

K21	NOD2	34.12	32.81	1.573535	1.210383
K22	NR0B2	29.05	31.15	2.577561	3.812175
K23	NR1H4	25.1	27.11	2.780074	4.272053
K24	NR2G2	27.28	26.9	0.643547	0.349405
L01	NUF2	27.09	26.21	1.209175	1.039753
L02	OAS1	24.89	24.47	1.24989	1.592491
L03	OAS2	27.6	25.62	1.288081	1.317281
L04	OAS3	29.52	28.23	1.168559	1.186754
L05	OASL	29.91	28.26	1.706163	1.825314
L06	PAK1	24.99	24.9	1.389399	0.892472
L07	PAK2	24.87	24.39	1.128989	0.500683
L08	PARP1	26.96	26.2	0.751513	0.439234
L09	PCSK1	28.03	27.84	2.163369	1.453974
L10	PDE4A	33.68	32.23	1.276562	0.947009
L11	PDE4B	28.76	26.21	1.964643	1.940787
L12	PEA15	25.76	24.67	0.864322	0.742039
L13	PECAM1	26.65	25.55	2.088541	1.2762
L14	PELI1	24.75	24.23	1.28061	0.617366
L15	PLA2G1B	31.7	32.35	1.89551	1.802686
L16	PLA2G2A	20.37	23.85	2.985382	6.185864
L17	PLA2G7	26.73	24.23	1.771537	1.570521
L18	PLCB3	26.21	27.16	1.800135	1.899925
L19	PLS1	22.4	24.77	2.836087	4.655534
L20	POLA2	27.78	27.27	0.815286	0.51734
L21	POLD3	27.56	27.05	1.286719	0.633774
L22	POLG	27.74	27.24	0.858879	0.544462
L23	PPARA	25.56	26.2	1.443934	1.32686
L24	PPARG	25.17	26.1	1.52653	1.32053
M01	PPP2R5E	25.69	25.27	0.947403	0.30052
M02	PRF1	30.9	28.59	1.852006	1.378534
M03	PRKRA	26.02	25.64	1.057938	0.399214
M04	PTAFR	29.53	27.28	1.527665	1.359786
M05	PTGIR	33.15	31.48	1.47016	2.025022
M06	PTGS2	28.05	24.9	2.839687	3.143346
M07	PTPRC	29.81	28.37	1.333997	1.181775
M08	RB1	25.14	24.54	0.763679	0.208601
M09	REG1A	18.17	21.1	3.929798	6.299108
M10	REL	26.18	25.54	1.100969	0.601848
M11	RELA	26.88	26.5	0.56759	0.548576
M12	RIPK1	27.73	27.95	1.111133	1.300286
M13	RIPK2	27.03	25.52	1.337844	0.896772
M14	RIPK3	26.99	27.02	1.296945	0.609952
M15	RMP2	25.25	24.3	1.640382	1.030373
M16	SARM1	29.02	29.22	1.221036	0.760953
M17	SELE	29.89	26.81	3.189849	3.873831
M18	SELP	29.17	26.98	1.47342	1.474487
M19	SERPINA1	20.06	20.65	2.418466	2.003261
M20	SIGIRR	30.38	31.29	1.486885	1.734604
M21	SKI	26.47	25.63	0.886386	0.571239
M22	SLC26A3	23.48	27.19	3.028041	5.427274
M23	SLC5A1	22.65	26.4	2.99681	6.024867
M24	SPP1	27.29	26.08	1.764467	1.544188
N01	SUGT1	23.66	23.26	0.875612	0.321103
N02	TAB1	26.2	27.79	0.536	0.145036
N03	TAB2	24.56	24.09	1.115748	0.454153
N04	TAB3	26.55	26.15	0.821115	0.400883
N05	TANK	25.24	24.46	0.889505	0.420389
N06	TBK1	25.5	24.77	1.097597	0.328348
N07	TBX21	32.14	30.64	1.464127	1.857207
N08	TBXAS1	27.49	26.21	0.979989	1.072344
N09	TGFB1	27.36	26.09	0.786434	0.995654
N10	THY1	29.88	28.35	1.568759	1.602809
N11	TICAM1	27.01	26.82	1.295863	0.66586
N12	TICAM2	28.24	27.13	0.759402	0.751407
N13	TRAF	28.95	28.89	1.153172	0.459825
N14	TLE1	27.89	27.29	0.746832	0.413334
N15	TLR1	28.93	27.14	1.580786	0.954867
N16	TLR10	31.12	29.41	1.535126	2.063665
N17	TLR2	27.13	25.73	1.408434	1.743428
N18	TLR3	26.41	27.14	1.87999	2.293799
N19	TLR4	26.86	25.21	1.628012	1.115641
N20	TLR5	29.15	28.1	1.045026	1.039567
N21	TLR6	28.96	27.3	1.402079	0.85557
N22	TLR7	30.64	28.95	1.671574	1.129893
N23	TLR8	28.84	26.6	1.797704	1.226015
N24	TLR9	34.52	33.76	1.071896	1.468963
O01	TNF	29.78	27.51	1.578432	1.448566
O02	TNFAIP3	25.83	24.07	1.462787	1.612336
O03	TNFRSF10A	29.19	29.05	1.243194	0.566342
O04	TNFRSF10B	27.24	26.89	1.061094	0.575473
O05	TNFRSF10C	28.72	27.13	2.075996	1.753205
O06	TNFRSF11A	29.16	30.58	1.843954	2.432626
O07	TNFRSF19	32.08	30.11	1.525688	0.946172
O08	TNFRSF1A	25.82	25.76	0.993336	0.454311
O09	TNFRSF1B	28.76	27.9	1.186089	0.966522
O10	TNFRSF25	29.24	29.41	1.047561	0.750386
O11	TNFRSF4	31.47	29.41	1.645778	1.635016
O12	TNFRSF8	34.89	34.51	0.294185	0.946256
O13	TNFRSF13	31.84	32.31	1.379027	1.469847
O14	TNFRSF13B	28.47	26.75	1.098665	0.629779
O15	TNFRSF14	33.37	32.01	1.362404	1.41498
O16	TNFRSF4	31.35	29.44	1.296901	0.990994
O17	TOLLIP	28.64	28.3	0.862906	0.565873
O18	TOP2A	25.87	24.96	1.352537	1.016625
O19	TP53	27.04	26.16	1.80675	0.415348
O20	TRADD	33.16	32.27	0.994089	0.904875
O21	TRAF1	29.23	27.52	1.356778	1.348714
O22	TRAF2	29.45	28.88	0.770124	0.582482
O23	TRAF3	26.12	25.31	0.60315	0.518141
O24	TRAF6	25.85	25.63	0.972214	0.45049
P01	TRIP6	27.28	26.56	0.776341	0.639665
P02	UBE2N	24.45	23.9	0.862925	0.372691
P03	UGT2B17	21.94	25.36	3.208792	5.932277
P04	VEGFA	23.44	23.36	1.22054	0.581565
P05	VIP	29.95	28.09	1.448687	1.248542
P06	VIPR1	27.8	30.24	2.444272	3.726573
P07	XIAP	25.47	25.21	1.116458	0.555254
P08	CD74	20.88	20.38	1.156568	0.688983
P09	CLCA1	19.55	23.03	3.675608	6.173974
P10	EIF4EBP2	24.86	25.44	1.211903	1.027128
P11	IL1RAP	27.7	26.37	1.319798	1.093304
P12	LRRC25	34.44	33.48	0.846467	1.244034
P13	PSME2	22.07	21.68	1.335092	0.863862
P14	PTMA	20.27	19.58	0.972981	0.257391
P15	ACTB	20.04	19.39	1.05427	0.427783
P16	PGK1	22.88	21.96	1.612625	0.61621
P17	B2M	18.13	17.17	1.711189	0.625203
P18	HPRT1	25.81	25.73	1.069261	1.673569
P19	RPL13A	21.49	21.02	1.216426	0.532405
P20	SAPPH	21.29	21.05	1.184173	1.606477
P21	ACTB	20.17	19.58	1.074473	0.499714
P22	HGDC	34.69	34.57	0.648347	0.465601
P23	RTC	23.44	23.44	0.298579	0.270502
P24	PPC	19.27	19.25	0.087424	0.174826

		AVG Delta(Ct) (Ct(GO) - Ave Ct(HKG))		Standard Deviation	
		Control Group	Rejection Group	Control Group	Rejection Group
A01	A2M	2.083125	1.0275	1.139415	1.507832
A02	ABL1	6.1	6.03	0.832933	1.068808
A03	ACE	5.32525	7.19375	2.572562	2.481192
A04	AGTR1	10.45125	11.24875	2.809806	1.185492
A05	AKT1	5.476875	5.62	0.709943	0.777629
A06	ANAPC7	4.94125	4.83	0.553144	0.929481
A07	ANPEP	0.136875	1.98	1.978934	2.483406
A08	ANXA1	3.974375	3.4175	1.722893	1.408408
A09	ANXA3	3.768875	3.6025	0.854416	0.737602
A10	ANXA5	2.556875	1.46375	1.040724	1.385106
A11	APAF1	5.82125	5.78625	0.438887	0.740004
A12	APOB	0.86625	4.4425	2.776829	4.742043
A13	AR	11.84625	11.3975	2.717677	1.290603
A14	ARHGDB	3.188125	2.105	1.085842	1.304626
A15	ATF1	4.17875	4.93125	0.471033	0.73104
A16	ATF2	4.138125	4.13125	0.659575	0.848077
A17	ATF3	5.165625	5.845	1.177484	1.137444
A18	ATF5	9.218125	9.15625	1.621563	1.439888
A19	ATF6	5.94875	5.7875	0.418842	0.905397
A20	ATP9B1	5.511875	6.3625	1.175627	1.507884
A21	AURKA	5.880625	5.685	0.866531	0.945988
A22	BAD	6.696875	6.97375	0.592565	0.611595
A23	BAG4	6.149375	6.4375	0.746675	0.745223
A24	BAK1	5.62625	5.905	0.832255	1.016686
B01	BAK	4.709375	4.84375	0.603886	0.694626
B02	BCL2	6.255	8.3575	1.216713	1.201493
B03	BCL2A1	4.506875	2.415	2.065911	1.97302
B04	BCL2L1	6.485	6.83875	0.52017	0.610847
B05	BCL2L14	6.035625	7.46125	2.163692	2.942954
B06	BDKR1	9.876875	7.64125	1.33897	2.193534
B07	BDKR2	9.118125	7.98375	1.038194	1.597196
B08	BID	5.06375	4.2875	0.674217	1.087697
B09	BIK	8.494375	8.06625	1.097286	1.800442
B10	BIRC2	4.005	3.8625	0.573803	0.833487
B11	BIRC3	2.896875	2.69	1.258677	1.212344
B12	BIRC5	11.7025	11.22125	1.283671	2.151579
B13	BIRC6	14.08625	14.68625	1.278547	0.979821
B14	BNIP3	3.95875	3.6925	1.143449	0.888651
B15	BOK	8.983125	9.5225	1.449131	0.992364
B16	BTK	10.37375	9.02875	1.569304	1.520044
B17	C3	8.991875	7.7725	2.990234	2.210756
B18	CS	7.6625	7.6625	1.052079	1.511003
B19	CACNA2D1	7.4875	6.875	1.19959	1.445463
B20	CAD	14.060625	14.26375	1.063035	1.149505
B21	CANX	1.95	1.8725	0.326818	0.749047
B22	CARD6	7.73625	7.34	0.781453	0.742799
B23	CARD9	11.576875	11.115	2.158407	2.308108
B24	CASP1	6.20875	2.425	2.809169	1.084423
C01	CASP2	6.178125	6.225	0.861463	0.977098
C02	CASP3	3.854375	3.70625	0.762423	0.802927
C03	CASP4	2.6825	2.39875	0.556594	0.863832
C04	CASP6	5.090625	6.055	1.080908	1.588488
C05	CASP7	4.355625	4.7975	0.765752	1.098773
C06	CASP8	5.095	5.8675	0.978774	0.955488
C07	CASP9	5.16875	5.46375	0.385817	0.764249
C08	CCL2	6.246875	4.34375	1.602935	1.987232
C09	CCL20	4.258125	3.11125	2.061498	1.57242
C10	CCL25	3.675	6.61125	3.135037	3.755011
C11	CCL27	12.2445	12.50125	1.598267	1.268473
C12	CCL3	7.841875	5.6775	2.407141	2.648533
C13	CCL5	3.61625	3.315	1.252334	1.808999
C14	CCNA2	5.405625	5.07875	1.037588	1.225907
C15	CCNB1	5.545	5.1125	1.029963	1.512255
C16	CCR2	8.62125	7.32625	1.073462	1.550191
C17	CCR4	12.35625	10.48875	1.843166	2.812434
C18	CCR5	7.365625	6.3875	1.064874	1.39371
C19	CCR6	7.9425	7.30625	1.245679	1.255038
C20	CCR7	11.025	9.1	2.610897	2.371222
C21	CCR9	8.66875	8.5675	1.334684	2.17633
C22	CD14	6.48375	5.28875	1.833612	1.735702
C23	CD180	7.159375	5.715	1.444335	1.373772
C24	CD19	9.705625	8.0025	2.372395	2.081473
D01	CD34	6.320625	5.59125	1.901418	1.65331
D02	CD38	6.000625	4.25125	1.536291	1.46371
D03	CD3E	6.840625	6.51875	1.387502	1.687172
D04	CD4	8.67125	8.3375	1.140323	1.083979
D05	CD40	7.51875	6.25	1.194686	1.624678
D06	CD40LG	9.839375	9.68125	1.391842	1.752494
D07	CD58	3.633125	3.815	0.91665	0.835135
D08	CD80	9.121875	6.91375	1.622514	1.910559
D09	CD86	6.13875	5.58625	1.115642	1.145387
D10	CDC20	5.84125	5.5525	1.220304	0.818544
D11	CDC25B	5.955625	5.59375	0.82234	1.135746
D12	CDC42	2.638125	2.62375	0.374254	0.647825
D13	CDC6	6.365	6.2425	0.673778	1.047234
D14	CDCAS	11.6875	11.32625	1.064295	1.464198
D15	CDCA8	8.54875	8.43875	1.131425	1.487584
D16	CDH1	3.40375	6.0375	1.821741	3.724742
D17	CDK1	4.96625	5.03625	0.95482	1.119964
D18	CDKN3	5.328125	4.775	0.775899	1.065193
D19	CEACAM5	3.100625	5.5625	1.724207	4.975217
D20	CEACAM6	4.0425	6.0625	1.789879	4.152041
D21	CENPA	6.96625	6.50375	1.000617	1.359019
D22	CHUK	5.841875	5.895	0.356295	0.672931
D23	CLEC4E	8.02875	5.46	2.956462	2.637522
D24	CRADD	10.21375	10.4675	1.075203	1.003024
E01	CRP	14.10875	14.3225	1.354859	1.390873
E02	CSF1	7.188125	6.65	1.395275	1.106871
E03	CSF2	12.3375	9.27	1.888065	2.548741
E04	CSF3	9.468125	5.58125	3.486075	5.453652
E05	CTL4A	11.319375	8.7075	2.326461	2.178348
E06	CXCL1	4.52625	1.9225	2.104958	2.938374
E07	CXCL10	6.52875	3.3	1.600942	2.17915
E08	CXCL11	8.373125	5.9	1.53349	2.653993
E09	CXCL2	3.300625	1.40375	2.086192	2.754462
E10	CXCL5	6.22875	2.50375	2.761816	2.849234
E11	CXCL6	5.499375	2.11875	2.835796	2.729922
E12	CYCS	9.11125	9.5575	1.181421	1.041784
E13	CYLD	5.001875	4.2875	0.671451	1.009465
E14	CYP3A4	3.50875	7.38375	3.361864	3.789096
E15	CYP7A1	12.765	13.9725	1.720456	1.444136
E16	DDC	4.98875	8.21125	2.744597	4.649552
E17	DDX58	4.0875	4.5025	0.750393	1.298626
E18	DEFB4	12.91625	12.43	1.538019	2.507906
E19	DEFB5	-0.5675	3.605	4.597145	6.377222
E20	DEFB6	-1.059375	2.3175	4.796692	6.432179
E21	DEFB1	7.200625	7.39625	1.481219	1.310258
E22	DEFB103A	13.958875	14.31125	1.156281	1.165077
E23	DEFB126	14.165625	14.68625	1.1015	0.979821
E24	DEFB127	14.13375	14.68625	1.218658	0.979821
F01	DEFB129	13.860625	14.475	1.276768	1.160846
F02	DEFB132	13.54875	14.68625	2.234431	0.979821
F03	DEFB4A	11.12875	10.91875	3.328319	2.94348
F04	DEPDC1	11.275	10.8375	0.847445	1.083539
F05	DMBT1	2.69375	5.96	3.139097	5.777559
F06	DNAH5	5.558125	5.66125	0.580597	0.735336
F07	ECSIT	7.0075	7.5825	1.025383	0.957877
F08	EIF2AK2	4.33375	3.9	0.673341	0.875847
F09	ELK1	9.48125	9.22625	0.759795	0.970996

F10	EPST11	10.113125	9.4075	1.085385	1.319036
F11	ERBB2IP	2.80625	3.1	0.61941	0.786561
F12	ESR1	12.769375	12.275	1.783408	1.093138
F13	FABP6	-0.893125	3.38875	2.41838	6.514381
F14	FADD	7.648125	7.4275	0.464456	0.83
F15	FAS	4.419375	4.05875	0.494695	0.746318
F16	FASLG	9.894375	9.455	1.519494	1.441792
F17	FIS1	3.604375	4.14	0.703128	0.636806
F18	FN1	4.719375	3.69	1.654325	1.33495
F19	FOS	3.719375	4.505	2.050417	1.418502
F20	GALNT2	7.698125	7.67	0.425245	0.718645
F21	GBP1	3.593125	2.52	0.654512	1.732214
F22	GINS2	6.755625	6.49875	1.046006	1.447236
F23	GPI	3.60125	3.81375	0.707909	0.638171
F24	GTSF1	9.14975	8.54	1.152827	1.302328
G01	GZMA	4.4	4.15	1.296273	1.540577
G02	GZMB	7.015	4.73	1.328913	2.200599
G03	HERC5	6.444375	5.52875	0.935804	1.504884
G04	HLA-DRA	-0.13	-0.42	1.133809	1.405893
G05	HMGB1	3.11875	2.44375	3.221257	1.042685
G06	HRD	2.51875	3.72125	1.116334	1.593878
G07	HRAS	7.159375	6.7675	2.184708	0.821271
G08	HRH2	10.7175	9.465	2.057174	2.037002
G09	HSPA1A	5.8275	4.92875	1.281516	1.969381
G10	HSPA4	3.486875	3.28	0.475927	0.905258
G11	HSPD1	1.86125	1.9	0.962134	0.962464
G12	ICAM1	5.85	3.9825	1.782886	2.19847
G13	ICOS	10.61625	9.30125	1.70142	2.009898
G14	IFI16	3.745625	2.96	1.135889	1.049466
G15	IFI27	3.43	3.40375	1.045044	1.378376
G16	IFI35	5.24625	5.05	0.709085	0.928182
G17	IF44	4.1975	3.65	1.107518	1.725303
G18	IF6	5.028125	5.03375	1.546637	1.844766
G19	IFT1	4.855	4.52625	0.991368	2.322448
G20	IFT2	6.088125	5.3975	0.910575	1.526485
G21	IFT3	4.73125	4.13625	0.75951	1.685268
G22	IFT5	5.734375	5.52625	0.642741	0.915387
G23	IFTM1	1.244375	0.83875	0.835382	1.168748
G24	IFNA1	13.573125	13.32	1.439111	1.238448
H01	IFNB1	13.660625	13.5025	1.268712	1.664868
H02	IFNG	10.0025	7.61375	1.458404	1.930908
H03	IKKB	6.14	5.98875	0.950805	1.087096
H04	IKKE	6.670875	5.72625	0.716936	1.169476
H05	IKBK	7.81625	7.7825	0.954275	1.132551
H06	IL10	9.92875	9.18125	2.471197	2.020387
H07	IL12A	10.07125	9.31875	1.691696	1.281452
H08	IL17A	13.969375	14.00125	1.305535	1.001337
H09	IL1A	11.41875	6.22625	2.925757	2.938287
H10	IL1B	6.161625	3.1625	3.00036	3.485973
H11	IL1R1	5.64625	4.35	1.60094	1.966623
H12	IL1R2	7.405	4.1775	3.197863	3.076032
H13	IL1RL1	6.35375	4.375	1.796068	2.840979
H14	IL2	12.125	12.7525	1.517861	1.907872
H15	IL2RA	7.628125	6.1125	1.512561	1.913568
H16	IL33	6.746875	5.98625	2.04591	1.20979
H17	IL5	9.8025	12.00875	1.470187	2.318551
H18	IL6	8.06375	5.69125	3.879071	3.661564
H19	IL7	6.155	5.92125	1.069712	1.042856
H20	IL8	5.121875	1.405	3.399635	3.577518
H21	IRAK1	8.38	8.33	0.716954	0.733303
H22	IRAK2	8.64125	7.405	1.121012	1.438995
H23	IRAK4	5.0525	4.9325	0.639054	0.854676
H24	IRF1	4.820625	4.35375	0.777133	1.307229
I01	IRF3	4.4275	4.4425	0.883499	1.073639
I02	IRF7	9.87125	9.47125	1.102409	1.353621
I03	ISG15	5.533125	4.42625	1.84082	2.636129
I04	ISG20	4.366875	3.4875	0.988136	1.279023
I05	ITGAL	9.0175	8.31	1.623089	1.431356
I06	ITGAM	7.905	6.43125	1.917894	2.592366
I07	ITGB1	2.020625	1.725	0.740214	0.834964
I08	ITGB2	5.81625	4.4125	1.295284	1.329281
I09	JUN	6.606875	7.7375	1.424406	0.623378
I10	KAT5	7.975625	8.13	0.604044	0.738817
I11	KIF20B	6.63375	6.63	0.772961	1.265913
I12	KLK14	13.9025	14.14625	1.291393	1.648096
I13	KLKB1	7.80375	6.865	1.806046	1.546819
I14	LAP3	3.248125	2.525	0.710886	1.181842
I15	LMNA	6.2725	6.6275	1.079554	1.05486
I16	LTA	12.7325	12.07875	1.374616	2.242493
I17	LTBR	10.860625	10.8	0.973449	0.853853
I18	LTBR	5.270625	5.61125	0.896402	0.637118
I19	LY86	8.009625	6.97875	1.367342	1.367365
I20	LY96	5.26125	4.19375	1.644575	1.338402
I21	MADCAM1	7.415	5.12125	1.423132	2.013364
I22	MADD	7.30875	7.2725	0.690088	0.81301
I23	MAP2K3	3.4025	3.2725	0.477532	0.735585
I24	MAP2K5	5.63025	5.76375	0.450404	0.666841
J01	MAP3K1	6.720625	6.5725	0.952073	0.865848
J02	MAP3K10	10.65875	10.90125	0.98678	1.004365
J03	MAP3K11	7.063125	7.37375	0.811443	0.703495
J04	MAP3K13	6.010625	6.7825	1.22877	1.30464
J05	MAP3K2	4.818125	4.86	0.565325	0.802456
J06	MAP3K6	8.81975	8.9025	1.530327	1.102335
J07	MAP3K7	4.639375	4.57	0.430538	0.799754
J08	MAP3K8	5.7575	4.835	1.311385	1.359955
J09	MAP3K9	10.898875	11.05	1.473411	1.010187
J10	MAP4K2	10.909375	10.43	1.63172	1.433749
J11	MAP4K4	6.293125	5.63875	1.091564	1.371305
J12	MAPK1	3.88125	3.825	0.365215	0.76361
J13	MAPK10	7.386875	7.29875	1.692548	1.50104
J14	MAPK13	4.465	5.31	0.105495	0.940262
J15	MAPK14	5.07375	4.91875	0.410311	0.725252
J16	MAPK3	4.486875	5.22	0.81444	0.791901
J17	MAPK6	3.52125	4.02875	0.756878	0.804748
J18	MAPK8	4.723125	4.8225	0.436065	0.750885
J19	MAPKBP3	7.83	7.68875	0.766827	0.923273
J20	MAPK9	5.475	5.515	0.535615	0.703151
J21	MC2R	13.968125	14.1325	1.292976	1.615342
J22	MCL1	1.03375	0.65875	0.83968	1.21818
J23	MCM2	7.8	7.92125	0.882914	1.327278
J24	MCM4	7.181875	7.08	0.628341	1.120552
K01	MCM5	6.1775	5.90875	0.926792	1.261101
K02	MDK	7.799375	9.91125	2.205018	2.554736
K03	MMP2	4.940625	3.93875	1.578338	1.730435
K04	MMP9	6.770625	4.32875	2.336331	2.647911
K05	MX1	5.25625	4.5725	1.102141	1.812
K06	MX2	6.5025	5.45625	1.377308	1.304368
K07	MYD88	3.589375	3.3425	0.520669	0.813406
K08	NAIP	4.8025	4.12625	0.97095	1.026926
K09	NCLAP3	6.108125	5.69625	0.932112	1.259061
K10	NEUROD1	8.610625	10.81125	2.849398	2.849398
K11	NFKB1	6.268125	5.88625	0.541122	0.979135
K12	NFKB2	7.85625	6.9375	1.229637	1.531773
K13	NFKBIA	3.175625	2.32125	1.035385	1.6025
K14	NFKBIB	7.21125	7.1175	0.421934	0.980459
K15	NFKBIE	8.41375	6.33125	1.911105	1.244384
K16	NFKBIL1	9.535	10.0325	1.122775	0.901245
K17	NFRKB	6.46375	7.46125	1.063282	1.378878
K18	NGFR	12.108125	11.54875	2.093837	2.021465
K19	NLRP1	9.361875	8.5175	1.856419	1.35082
K20	NOD1	7.581875	7.69625	1.2026	1.188866

K21	NOD2	13.391875	12.4975	1.749047	1.661062
K22	NROB2	8.314375	10.83375	1.903191	3.55704
K23	NR1H4	4.370625	6.7975	2.429387	4.12566
K24	NRCC2	6.548125	6.5825	0.235313	0.333787
L01	NLF2	6.35375	5.89125	0.918402	1.515592
L02	OAS1	4.15375	4.15625	0.985381	1.662981
L03	OAS2	6.865	5.30125	1.109296	1.469161
L04	OAS3	8.790625	7.915	1.123914	1.428016
L05	OASL	9.17375	7.94125	1.147851	1.946504
L06	PAK1	4.2675	4.58375	0.552748	0.971614
L07	PAK2	4.13375	4.0725	0.472428	0.833452
L08	PARP1	6.22625	5.8875	0.686101	1.037882
L09	PCSK1	7.296875	7.525	1.381545	1.143275
L10	PDE4A	12.950625	11.9125	1.785016	1.168833
L11	PDE4B	8.024375	5.8925	1.993444	2.171882
L12	PEA15	5.02375	4.35875	0.964843	1.176164
L13	PECAM1	5.915625	5.23625	2.192976	1.771498
L14	PEL1	4.019375	3.92	0.520976	0.825785
L15	PLA2G1B	10.96625	12.03875	1.755922	1.876073
L16	PLA2G2A	-0.36125	3.33625	2.635242	5.663911
L17	PLA2G7	6.000625	3.91375	1.744766	2.105087
L18	PLCB3	5.478125	6.84125	1.566971	1.672925
L19	PLS1	1.665625	4.45625	2.277621	4.370158
L20	POLA2	7.04625	6.955	0.652044	1.043199
L21	POLD3	6.828125	6.735	0.615169	0.846383
L22	POLG	6.975	6.3625	0.468336	0.769135
L23	PPARA	4.823125	5.8825	1.143751	1.22889
L24	PPARG	4.433125	5.78125	1.48324	1.198471
M01	PPP2R5E	4.953125	4.9525	0.418417	0.836088
M02	PRF1	10.17	8.275	1.85796	1.859868
M03	PRKRA	5.286875	5.32625	0.666198	0.780031
M04	PTAFK	8.795625	6.965	1.351726	1.794344
M05	PTGIR	12.414375	11.16125	1.935354	2.462509
M06	PTGS2	7.318125	4.5825	2.911932	3.348136
M07	PTPRC	9.0775	8.05875	1.564313	1.62611
M08	RB1	4.408125	4.22125	0.570754	0.857683
M09	REG1A	2.523125	0.785	3.491718	5.770562
M10	REL	5.4475	5.22875	0.7105	1.058566
M11	RELA	6.14375	6.18375	0.864177	1.099528
M12	RIPK1	6.995625	7.63625	0.382975	1.519461
M13	RIPK2	6.2975	5.20625	1.076932	1.256818
M14	RIPK3	6.261875	6.7075	0.899337	0.857196
M15	RRM2	4.511125	5.38875	1.091089	1.278897
M16	SARM1	8.290625	8.90875	0.721394	0.668585
M17	SELE	9.158125	6.5	3.335283	4.023063
M18	SELP	8.438125	6.6625	1.68896	1.860737
M19	SERPINA1	-0.670625	0.3325	1.773357	1.599589
M20	SIGIRR	9.17375	10.87375	1.121836	1.741367
M21	SKI	5.738375	5.31125	1.225617	1.058985
M22	SLC26A3	2.745625	6.87875	2.625937	5.163431
M23	SLC5A1	1.916875	6.08375	2.565953	5.762841
M24	SPP1	6.560625	5.7625	2.312561	1.877517
N01	SUGT1	2.925625	2.94875	0.484551	0.879028
N02	TAB1	7.465625	4.48	1.112752	0.913935
N03	TAB2	3.831875	3.7725	0.574937	0.661276
N04	TAB3	5.815625	5.83375	0.59638	0.750822
N05	TANK	4.508125	4.145	0.524849	0.790267
N06	TBK1	4.771875	4.4575	0.426638	0.892116
N07	TBX21	11.4025	10.32875	1.42398	2.089796
N08	TBXAS1	6.768375	5.89375	0.97592	1.213262
N09	TGFB1	6.63125	5.775	1.476582	1.542537
N10	THY1	9.146875	8.04	1.834968	1.855938
N11	TICAM1	6.28	6.51	0.582486	0.862078
N12	TICAM2	7.50375	6.8175	0.68358	1.025761
N13	TRAP	8.218125	8.58	0.527863	0.636524
N14	TLET1	7.156875	6.9725	0.742235	0.959777
N15	TLR1	8.195625	6.82125	1.386926	1.233829
N16	TLR10	10.39125	9.09625	2.146576	2.356706
N17	TLR2	6.398125	5.41625	1.446580	1.592596
N18	TLR3	5.675625	6.82625	1.378503	2.012037
N19	TLR4	5.939625	4.9	1.379452	1.364564
N20	TLR5	8.41625	7.78875	1.184002	1.196664
N21	TLR6	8.231875	6.98125	1.462309	1.344701
N22	TLR7	9.90625	8.63625	1.54409	1.389221
N23	TLR8	8.108125	6.29	1.594357	1.315227
N24	TLR9	13.7875	13.44125	1.446891	1.946165
O01	TNF	9.045	7.19125	1.555762	1.857854
O02	TNFAIP3	5.09875	3.76	1.357999	2.011274
O03	TNFRSF10A	8.45875	8.73125	0.821094	0.912856
O04	TNFRSF10B	6.503125	6.5725	0.555145	0.800277
O05	TNFRSF10C	7.990625	6.8175	1.999446	1.869698
O06	TNFRSF11A	8.431875	10.285	1.629693	2.372273
O07	TNFRSF19	11.349375	9.7975	1.976891	1.504251
O08	TNFRSF1A	5.090625	5.4425	0.61457	0.759107
O09	TNFRSF1B	8.03	7.58875	1.059983	1.250796
O10	TNFRSF25	8.51125	9.09875	1.145132	0.873371
O11	TNFRSF4	10.741875	9.09375	2.074136	2.055193
O12	TNFRSF8	14.16125	14.19125	1.107436	1.013483
O13	TNFSF13	11.104375	11.99375	1.103336	1.898659
O14	TNFSF13B	7.74125	6.43875	0.99625	1.050608
O15	TNFSF14	12.64125	11.7	1.599509	1.625983
O16	TNFSF4	10.615	9.12875	1.586471	1.368463
O17	TOLLIP	7.905	8.8875	0.857177	0.719027
O18	TOP2A	5.134375	4.645	0.889597	1.22589
O19	TP53	6.311875	5.84625	1.820822	0.874532
O20	TRADD	12.423125	11.96	1.263442	1.001324
O21	TRAF1	8.4975	7.29125	1.777653	1.806604
O22	TRAF2	8.72125	8.56125	0.940242	1.053161
O23	TRAF3	5.388375	4.9975	0.803876	0.971436
O24	TRAF6	5.121875	5.32	0.49825	0.755575
P01	TRIP6	6.54375	6.24625	1.244624	1.082942
P02	UBE2N	3.721875	3.5875	0.385279	0.754472
P03	UGT2B17	1.203125	5.05	2.6493	5.464541
P04	VEGFA	2.70875	3.0475	0.894146	0.769685
P05	VIP	9.2175	7.77125	1.530859	1.772973
P06	VIPR1	7.0675	9.92125	2.303491	3.329589
P07	XIAP	4.73625	4.89875	0.376645	0.798895
P08	CD74	0.150625	0.0675	1.033333	1.373603
P09	CLCA1	-1.178125	2.7125	3.944194	5.815614
P10	EIF4EBP2	4.125625	6.123125	1.349139	1.103392
P11	IL1RAP	6.971875	6.05625	1.35663	1.392051
P12	LRRCC25	13.7025	13.16375	1.214396	1.206833
P13	PSME2	1.339375	1.36125	0.858384	1.212267
P14	PTMA	-0.458125	-0.73125	0.972937	1.008198
P15	ACTB	-0.693125	-0.32	0.252731	0.761413
P16	PGK1	2.143125	1.64125	1.171362	0.659094
P17	B2M	-2.601875	-3.14125	1.295065	0.852294
P18	HPRT1	5.07625	5.41625	0.499561	0.905392
P19	RPL13A	0.753125	0.7025	1.206427	0.86572
P20	GAPDH	0.55975	0.73375	0.234708	0.673417
P21	ACTB	-0.55875	-0.3375	0.62709	0.673417
P22	HGDC	13.96	14.255	1.56153	1.14637
P23	RTC	2.705625	3.12125	1.070789	1.057081
P24	PPC	-1.464375	-1.06625	1.072568	0.914386

		2 ⁻ (-Avg.(Delta(Ct)))	
		Control Group	Rejection Group
A01	A2M	0.236003	0.490559
A02	ABL1	0.014579	0.015303
A03	ACE	0.025912	0.006891
A04	AGTR1	0.000714	0.000411
A05	AKT1	0.022454	0.020333
A06	ANAPC7	0.032549	0.035158
A07	ANPEP	0.909487	0.25349
A08	ANXA1	0.06362	0.09359
A09	ANXA3	0.073461	0.082336
A10	ANXA5	0.195214	0.36255
A11	APAF1	0.017686	0.01812
A12	APOB	0.548571	0.045991
A13	AR	0.000272	0.000371
A14	ARHGDB1	0.11125	0.232451
A15	ATF1	0.03399	0.032775
A16	ATF2	0.056794	0.057065
A17	ATF3	0.027861	0.017397
A18	ATF5	0.001679	0.001753
A19	ATF6	0.01619	0.018105
A20	ATP9B1	0.021916	0.012153
A21	AURKA	0.016973	0.019438
A22	BAD	0.009639	0.007956
A23	BAG4	0.014088	0.011538
A24	BAK1	0.020246	0.016689
B01	BAX	0.038224	0.034825
B02	BCL2	0.033273	0.003049
B03	BCL2A1	0.043984	0.187505
B04	BCL2L1	0.011164	0.008736
B05	BCL2L14	0.015244	0.005675
B06	BDKRB1	0.001064	0.005009
B07	BDKRB2	0.0018	0.00395
B08	BID	0.029899	0.051922
B09	BIK	0.002773	0.003731
B10	BIRC2	0.062284	0.06875
B11	BIRC3	0.134262	0.154963
B12	BIRC5	0.0003	0.000419
B13	BIRC8	0.000057	0.000038
B14	BNIP3	0.064313	0.077348
B15	BOK	0.001976	0.00136
B16	BTX	0.000754	0.001915
B17	C3	0.001964	0.004573
B18	C5	0.009227	0.004938
B19	CACNA2D1	0.005672	0.00852
B20	CAD	0.000059	0.000051
B21	CANX	0.258816	0.2731
B22	CARD6	0.00469	0.006172
B23	CARD9	0.000327	0.000451
B24	CASP1	0.199057	0.18621
C01	CASP2	0.01381	0.013369
C02	CASP3	0.069138	0.076614
C03	CASP4	0.155771	0.189629
C04	CASP6	0.029347	0.015041
C05	CASP7	0.048846	0.035959
C06	CASP8	0.029259	0.029822
C07	CASP9	0.0279	0.022659
C08	CCL2	0.013167	0.049249
C09	CCL20	0.052261	0.115723
C10	CCL25	0.078292	0.010229
C11	CCL27	0.000206	0.000172
C12	CCL3	0.004359	0.019539
C13	CCL5	0.081546	0.100481
C14	CCNA2	0.023591	0.02959
C15	CCNB1	0.021418	0.028906
C16	CCR2	0.002539	0.006231
C17	CCR4	0.000191	0.000736
C18	CCR5	0.006064	0.011945
C19	CCR6	0.004065	0.006318
C20	CCR7	0.00048	0.001822
C21	CCR9	0.002457	0.002636
C22	CD14	0.011188	0.02704
C23	CD180	0.006995	0.013028
C24	CD19	0.001198	0.003899
D01	CD34	0.012511	0.020743
D02	CD38	0.015618	0.052511
D03	CD3E	0.008725	0.010906
D04	CD4	0.00245	0.003391
D05	CD40	0.005453	0.013139
D06	CD40LG	0.001092	0.001218
D07	CD58	0.080597	0.071051
D08	CD80	0.001795	0.008294
D09	CD86	0.008564	0.021252
D10	CDC20	0.020036	0.021307
D11	CDC25B	0.016113	0.020707
D12	CDC42	0.160637	0.162245
D13	CDC6	0.012132	0.013207
D14	CDC45	0.000303	0.000389
D15	CDC48	0.002579	0.002932
D16	CDH1	0.094486	0.015224
D17	CDK1	0.03199	0.030475
D18	CDKN3	0.024893	0.036524
D19	CEACAM5	0.116579	0.016148
D20	CEACAM6	0.060696	0.014757
D21	CENPA	0.007997	0.01102
D22	CHUK	0.017435	0.016805
D23	CLEC4E	0.003829	0.022718
D24	CRADD	0.000842	0.000706
E01	CRP	0.000057	0.000049
E02	CSF1	0.006857	0.009938
E03	CSF2	0.000193	0.00162
E04	CSF3	0.001412	0.020887
E05	CTLA4	0.000391	0.002392
E06	CXCL1	0.043397	0.263797
E07	CXCL10	0.010831	0.101532
E08	CXCL11	0.003016	0.016746
E09	CXCL2	0.101488	0.377945
E10	CXCL5	0.013334	0.176318
E11	CXCL6	0.022107	0.230246
E12	CYC5	0.001908	0.001327
E13	CYLD	0.031209	0.048089
E14	CYP3A4	0.087854	0.005988
E15	CYP7A1	0.000144	0.000062
E16	DDC	0.031495	0.003374
E17	DDX58	0.058822	0.044118
E18	DEFA4	0.000129	0.000181
E19	DEFA5	1.481953	0.052184
E20	DEFA6	2.084028	0.200615
E21	DEFB1	0.006798	0.005936
E22	DEFB103A	0.000063	0.000049
E23	DEFB126	0.000054	0.000038
E24	DEFB127	0.000056	0.000038
F01	DEFB129	0.000067	0.000044
F02	DEFB132	0.000083	0.000038
F03	DEFB4A	0.000447	0.000517
F04	DEPDC1	0.000404	0.000546
F05	DMB11	0.154861	0.016176
F06	DNAJC5	0.021317	0.019176
F07	ECSIT	0.007772	0.005217
F08	EIF2AK2	0.049592	0.066986
F09	ELK1	0.001399	0.00167

F10	EPST11	0.000903	0.001473
F11	ERBB2IP	0.142967	0.116629
F12	ESR1	0.000143	0.000202
F13	FABP8	1.857195	0.055474
F14	FADD	0.004985	0.005809
F15	FAS	0.046734	0.060006
F16	FASLG	0.001051	0.001425
F17	FIS1	0.08222	0.05672
F18	FN1	0.03699	0.077492
F19	FOS	0.07592	0.044041
F20	GALNT2	0.004815	0.00491
F21	GBP1	0.082863	0.174343
F22	GINS2	0.009255	0.011058
F23	GPI	0.082398	0.071113
F24	GTSE1	0.001763	0.002897
G01	GZMA	0.047366	0.056328
G02	GZMB	0.007732	0.037681
G03	HERCS	0.011483	0.021661
G04	HLA-DRA	1.094294	1.337928
G05	HMMGB1	0.115123	0.183805
G06	HPCD	0.174494	0.075821
G07	HRAS	0.006895	0.009179
G08	HRH2	0.000594	0.001415
G09	HSPA1A	0.01761	0.032832
G10	HSPA4	0.089196	0.102949
G11	HSPD1	0.286826	0.287943
G12	ICAM1	0.01698	0.063263
G13	ICOS	0.000637	0.001585
G14	IFI16	0.074551	0.128514
G15	IFI27	0.092793	0.094486
G16	IFI35	0.026346	0.030186
G17	IFI44	0.054504	0.07986
G18	IFI6	0.030647	0.030527
G19	IFIT1	0.034554	0.043397
G20	IFIT2	0.014699	0.023724
G21	IFIT3	0.037649	0.056868
G22	IFIT5	0.016794	0.021699
G23	IFITM1	0.422081	0.268396
G24	IFNA1	0.000082	0.000098
H01	IFNB1	0.000077	0.000086
H02	IFNG	0.000975	0.005105
H03	IKKBK	0.01418	0.015747
H04	IKBKE	0.010304	0.011889
H05	IKBKG	0.004437	0.004542
H06	IL10	0.001026	0.001723
H07	IL12A	0.00093	0.001566
H08	IL17A	0.000062	0.000081
H09	IL1A	0.001793	0.013367
H10	IL1B	0.013973	0.115323
H11	IL1R1	0.019967	0.049037
H12	IL1R2	0.0059	0.052655
H13	IL1RL1	0.012227	0.048194
H14	IL2	0.000224	0.000202
H15	IL2RA	0.005055	0.014453
H16	IL33	0.009311	0.015775
H17	IL5	0.00112	0.000243
H18	IL6	0.003737	0.019354
H19	IL7	0.014033	0.016502
H20	IL8	0.028719	0.372618
H21	IRAK1	0.003032	0.003108
H22	IRAK2	0.002505	0.0059
H23	IRAK4	0.030133	0.032747
H24	IRF1	0.035387	0.048909
I01	IRF3	0.046472	0.045991
I02	IRF7	0.010363	0.001409
I03	ISG15	0.021596	0.046512
I04	ISG20	0.048466	0.089158
I05	ITGAL	0.00193	0.003151
I06	ITGAM	0.004172	0.011588
I07	ITGB1	0.246451	0.302499
I08	ITGB2	0.017747	0.046958
I09	JUN	0.01026	0.004686
I10	KAT5	0.003973	0.00357
I11	KIF20B	0.01007	0.010097
I12	KLK14	0.000065	0.000055
I13	KLKB1	0.005044	0.002494
I14	LAP3	0.105249	0.17374
I15	LMNA	0.012936	0.010114
I16	LTA	0.000147	0.000231
I17	LTBR	0.000538	0.000561
I18	LTBR	0.025905	0.029497
I19	LY86	0.003905	0.007928
I20	LY86	0.026074	0.054646
I21	MADCAM1	0.00586	0.028731
I22	MADD	0.006307	0.006468
I23	MAP2K3	0.094568	0.098555
I24	MAP2K4	0.020158	0.018152
J01	MAP3K1	0.009482	0.010507
J02	MAP3K10	0.000619	0.000523
J03	MAP3K11	0.007478	0.006029
J04	MAP3K13	0.01551	0.009084
J05	MAP3K2	0.04072	0.039555
J06	MAP3K6	0.002135	0.00299
J07	MAP3K7	0.040124	0.042101
J08	MAP3K8	0.018485	0.035036
J09	MAP3K9	0.000524	0.000472
J10	MAP4K2	0.00052	0.000725
J11	MAP4K4	0.012941	0.023071
J12	MAPK1	0.067862	0.077886
J13	MAPK10	0.005975	0.006351
J14	MAPK13	0.045279	0.025208
J15	MAPK14	0.029693	0.03306
J16	MAPK3	0.044598	0.02683
J17	MAPK6	0.081283	0.061267
J18	MAPK8	0.037861	0.035341
J19	MAPKIP3	0.004395	0.004914
J20	MAPK9	0.022483	0.021869
J21	MC2R	0.000062	0.000056
J22	MCL1	0.488439	0.633427
J23	MCM2	0.004487	0.006062
J24	MCM4	0.006887	0.007391
K01	MCM5	0.013816	0.016645
K02	MDK	0.004489	0.001039
K03	MMP2	0.032963	0.065211
K04	MMP9	0.009159	0.049764
K05	MX1	0.026164	0.042028
K06	MX2	0.011029	0.022777
K07	MYD88	0.083079	0.098584
K08	NAIP	0.035835	0.057263
K09	NCAIP	0.014497	0.019297
K10	NEUROD1	0.002558	0.003844
K11	NFKB1	0.012975	0.016807
K12	NFKB2	0.004316	0.008158
K13	NFKBIA	0.110673	0.200094
K14	NFKBIB	0.006748	0.007201
K15	NFKBIE	0.002832	0.008194
K16	NFKBIL1	0.001348	0.000955
K17	NFRKB	0.01133	0.005675
K18	NGFR	0.000227	0.000334
K19	NLRP1	0.00152	0.002729
K20	NOD1	0.005292	0.005132

K21	NOD2	0.00093	0.000173
K22	NR0B2	0.003141	0.000548
K23	NR1H4	0.04834	0.00899
K24	NR2C2	0.010886	0.010434
L01	NUF2	0.012227	0.016848
L02	OAS1	0.056182	0.056085
L03	OAS2	0.008579	0.025361
L04	OAS3	0.002258	0.004143
L05	OASL	0.001732	0.004089
L06	PAK1	0.052284	0.041702
L07	PAK2	0.056966	0.059437
L08	PARP1	0.013357	0.016892
L09	PCSK1	0.006359	0.005429
L10	PDE4A	0.000126	0.000259
L11	PDE4B	0.003841	0.016834
L12	PEA15	0.03074	0.04874
L13	PECAM1	0.016566	0.02653
L14	PELI1	0.061666	0.066064
L15	PLA2G1B	0.0005	0.000238
L16	PLA2G2A	1.284538	0.059012
L17	PLA2G7	0.015518	0.06635
L18	PLCB3	0.022435	0.008721
L19	PLS1	0.315208	0.045555
L20	POLA2	0.007566	0.00806
L21	POLD3	0.008801	0.009388
L22	POLG	0.007949	0.008237
L23	PPARA	0.035326	0.018951
L24	PPARG	0.046291	0.018183
M01	PPP2R5E	0.032282	0.032296
M02	PRF1	0.000868	0.003228
M03	PRKRA	0.025615	0.024925
M04	PTAFR	0.00225	0.003034
M05	PTGIR	0.000183	0.000437
M06	PTGS2	0.006266	0.041738
M07	PTPRC	0.001851	0.00375
M08	RB1	0.0471	0.053614
M09	REG1A	5.894523	0.580352
M10	REL	0.022916	0.026668
M11	RELA	0.014143	0.013756
M12	RIPK1	0.007836	0.005026
M13	RIPK2	0.012713	0.027087
M14	RIPK3	0.013031	0.009568
M15	RRM2	0.043794	0.052989
M16	SARM1	0.003194	0.002081
M17	SELE	0.00175	0.011049
M18	SELP	0.002883	0.009872
M19	SERPINA1	1.591762	0.794159
M20	SIGIRR	0.001247	0.003497
M21	SKI	0.018719	0.025186
M22	SLC26A3	0.149102	0.008497
M23	SLC5A1	0.264828	0.014744
M24	SPPP1	0.010594	0.018421
N01	SUGT1	0.131613	0.12952
N02	TAB1	0.005657	0.005601
N03	TAB2	0.070225	0.073175
N04	TAB3	0.017755	0.017533
N05	TANK	0.043946	0.056524
N06	TBK1	0.036603	0.045515
N07	TBX21	0.000369	0.000778
N08	TBXAS1	0.009247	0.016819
N09	TGFB1	0.010088	0.018262
N10	THY1	0.001764	0.003799
N11	TICAM1	0.012869	0.010972
N12	TICAM2	0.00551	0.008886
N13	TIRAP	0.003358	0.002613
N14	TLE1	0.007008	0.007963
N15	TLR1	0.003411	0.008843
N16	TLR10	0.000745	0.001827
N17	TLR2	0.011857	0.023418
N18	TLR3	0.018564	0.008812
N19	TLR4	0.016395	0.033493
N20	TLR5	0.002927	0.004522
N21	TLR6	0.003326	0.007915
N22	TLR7	0.001042	0.002513
N23	TLR8	0.003624	0.01278
N24	TLR9	0.000071	0.000039
O01	TNF	0.001893	0.006843
O02	TNFAIP3	0.029183	0.073812
O03	TNFRSF10A	0.002842	0.002353
O04	TNFRSF10B	0.011025	0.010507
O05	TNFRSF10C	0.003832	0.008986
O06	TNFRSF11A	0.002896	0.003813
O07	TNFRSF19	0.000383	0.001124
O08	TNFRSF1A	0.029347	0.022996
O09	TNFRSF1B	0.003826	0.005195
O10	TNFRSF25	0.002741	0.001824
O11	TNFRSF4	0.000584	0.00183
O12	TNFRSF8	0.000055	0.000053
O13	TNFSF13	0.000454	0.000245
O14	TNFSF13B	0.004674	0.011528
O15	TNFSF14	0.000157	0.000301
O16	TNFSF4	0.000638	0.001786
O17	TOLLIP	0.004172	0.002786
O18	TOP2A	0.028471	0.039968
O19	TP53	0.012587	0.017382
O20	TRADD	0.000182	0.000251
O21	TRAF1	0.002767	0.006795
O22	TRAF2	0.002369	0.002647
O23	TRAF3	0.023858	0.031304
O24	TRAF6	0.028719	0.025033
P01	TRIP6	0.010719	0.013173
P02	UBE2N	0.075789	0.083187
P03	UGT2B17	0.434333	0.030186
P04	VEGFA	0.152883	0.120951
P05	VIP	0.00168	0.004577
P06	VIPR1	0.007455	0.001031
P07	XIAP	0.037519	0.033522
P08	CD74	0.90086	0.95429
P09	CLCA1	2.262825	0.152995
P10	SIF1EBP2	0.057288	0.028681
P11	IL1RAP	0.007966	0.015028
P12	LRRC25	0.000075	0.000109
P13	PSME2	0.395192	0.389245
P14	PTMA	1.373755	1.660077
P15	ACT1B	1.616182	1.832115
P16	PGK1	0.226389	0.320579
P17	B2M	6.070751	8.822882
P18	HPRT1	0.029641	0.023418
P19	RPL13A	0.593317	0.614506
P20	GAPDH	0.67889	0.601339
P21	ACTB	1.472992	1.652966
P22	HGDC	0.000063	0.000051
P23	RTC	0.153294	0.114924
P24	PPC	2.759439	2.093983

		p-value (comparing to control group)	Rejection Group
B06	BDKRB1	0.00645	
H02	IFNG	0.007728	
I21	MAP3KAM1	0.00863	
C08	CCL2	0.012185	
N23	TLR8	0.013663	
G12	ICAM1	0.014463	
M17	SELE	0.014821	
I09	ITGB2	0.017446	
L03	OAS2	0.018015	
E11	CXCL6	0.019259	
D08	CD80	0.019928	
K04	MMP9	0.020145	
H17	IL5	0.021381	
G23	IFITM1	0.021527	
O14	TNFSF13B	0.021849	
C17	CCR4	0.022242	
H13	IL1RL1	0.022935	
E04	CSF3	0.023996	
N08	TBXAS1	0.024623	
E03	CSF2	0.025132	
I06	ITGAM	0.025266	
L23	PPARA	0.026054	
M04	PTAFR	0.027089	
P06	VIPR1	0.027744	
L17	PLA2G7	0.030589	
H22	IRAK2	0.03155	
L05	OASL	0.032616	
B07	BDKRB2	0.032777	
D09	CD86	0.035482	
H12	IL1R2	0.040937	
E05	CTLA4	0.042203	
S20	IFIT2	0.042621	
I03	ISG15	0.043216	
E07	CXCL10	0.043514	
A03	ACE	0.043689	
M13	RIPK2	0.044181	
F21	GBB1	0.0446732	
E10	CXCL5	0.049074	
N12	TICAM2	0.050344	
K02	MDK	0.050371	
K15	NFKBIE	0.050826	
D05	CD40	0.05307	
H11	IL1R1	0.05409	
O11	TNFRSF4	0.056405	
D16	CDH1	0.056495	
L11	PDE4B	0.056526	
G08	HIF3D	0.058342	
G21	IFIT3	0.058355	
H15	IL2RA	0.058528	
K13	NFKBIA	0.05873	
P05	VIP	0.059024	
E14	CYP2A4	0.059149	
H04	KBKE	0.060846	
O02	TNFAIP3	0.061195	
F18	FN1	0.062081	
M16	SARM1	0.062439	
N07	TBX21	0.063371	
O06	TNFRSF11A	0.063592	
E08	CXCL11	0.067877	
E09	CXCL2	0.068346	
E06	CXCL1	0.071749	
P10	EIF4EBP2	0.072393	
G03	HERC5	0.07288	
N15	TLR1	0.073643	
I14	LAP3	0.077411	
K06	MX2	0.078156	
E16	DDC	0.078657	
B08	BID	0.083439	
O16	TNFSF4	0.086494	
G09	HSPA1A	0.086562	
C16	CCR2	0.08844	
A07	ANPEP	0.089042	
A12	AP0B	0.089772	
E20	DEFA6	0.092101	
M02	PRF1	0.09233	
A10	ANXA5	0.092484	
M23	SLCSA1	0.093407	
K10	NEUROD1	0.093742	
D23	CLEC4E	0.094718	
I13	KLKB1	0.095038	
J16	MAPK3	0.096042	
A14	ARHGDB	0.101386	
O01	TNF	0.103865	
J04	MAP3K13	0.106333	
I04	ISG20	0.108393	
G08	HRIH2	0.108993	
E19	DEFA5	0.110147	
A01	K2M1	0.110657	
M22	SLC26A3	0.111543	
C18	CCR5	0.112904	
E15	CYP7A1	0.114363	
M19	SERPINA1	0.115993	
L16	PLA2G2A	0.117098	
E13	CYLD	0.117553	
G02	GZMB	0.117864	
M18	SELP	0.120062	
M05	PTGIR	0.120341	
F17	FIS1	0.121223	
F10	EPST11	0.121462	
L18	PLCB3	0.1217	
B09	BIK	0.122705	
O18	TOR2A	0.123274	
I18	CDKN3	0.125199	
L12	PEA15	0.127282	
J14	MAPK13	0.127742	
K11	NFKB1	0.128836	
K03	MMP2	0.133269	
I16	LTA	0.13346	
B12	BIRC5	0.137713	
K17	NFRKB	0.137922	
J17	MAPK6	0.138919	
C04	CASP6	0.139211	
K05	MX1	0.141646	
A20	ATP8B1	0.147339	
C10	CCL25	0.149813	
C15	CCNB1	0.150789	
N10	THY1	0.150995	
G19	IFIT1	0.152056	
J11	MAP4K4	0.152256	
N05	TANK	0.154447	
J08	MAP3K8	0.158256	
K08	NAIP	0.15939	
D02	CD38	0.159504	
C23	CD180	0.160016	
M15	RRM2	0.160493	
F04	DEPDC1	0.161221	
F15	FAS	0.161959	
H24	IRF1	0.16284	
P16	PGK1	0.164207	
G17	IFI44	0.164586	
N22	TLR7	0.166016	

N21	TLR6	0.166525
K12	NFKB2	0.167378
L01	NUP2	0.170695
P09	CLCA1	0.173472
C22	CD14	0.176523
D21	CENPA	0.179022
M06	PTGS2	0.179393
M20	SIGIRR	0.185146
N06	TRK1	0.187691
O21	TRAF1	0.189401
E18	DEFA4	0.19157
M12	RIPK1	0.192894
U08	JUN	0.194075
F08	SIF2AK2	0.197223
B04	BCL2L1	0.198573
P15	ACTB	0.205858
J23	MCM2	0.208225
K09	NCAPG	0.208781
B18	CS	0.210291
N13	TIRAP	0.211388
O17	TOLLIP	0.211397
B16	BTBK	0.213345
K22	NR0B2	0.214748
J22	MCL1	0.214812
B03	BCL2A1	0.219081
F24	GTSE1	0.22063
G14	IFI16	0.223842
J12	MAPK1	0.224179
N09	TGFB1	0.224238
P03	UGT2B17	0.225887
F07	ECSIT	0.226505
F02	DEFB132	0.231241
K07	MYD88	0.231883
L24	DPAG6	0.2398
P21	ACTB	0.240341
L04	OAS3	0.243207
C13	CCL5	0.243214
D14	CDC45	0.243251
P11	IL1RAP	0.244638
B19	CACNA2D1	0.24493
C03	CASP4	0.245576
C14	CCNA2	0.245884
M07	PTPRC	0.246291
B22	CARD6	0.251338
G04	HLA-DRA	0.254976
B13	BIRC8	0.256169
G13	ICOS	0.257957
H07	IL12A	0.260182
A04	AGTR1	0.26026
C21	CCR9	0.260543
I07	ITGB1	0.266739
F14	FADD	0.270088
L08	PARP1	0.270462
A17	ATF3	0.273411
F22	GINS2	0.278744
N18	TLR3	0.28201
L19	PLS1	0.283709
J15	MAPK14	0.290081
C12	CCL3	0.291994
D11	CDC25B	0.297312
A22	BAD	0.298021
L15	PLA2G1B	0.298418
P17	B2M	0.301515
C24	CD19	0.301695
E24	DEFB127	0.3028
B05	BCL2L14	0.303196
O13	TNFSF13	0.305578
F19	FOS	0.306495
C05	CASP7	0.308577
M14	RIPK3	0.307902
O07	TNFRSF19	0.308265
A19	ATF6	0.310077
G10	HSP94	0.311382
O23	TRAF3	0.31188
B15	BOX	0.323814
K14	NFKBIB	0.330791
I18	LTBR	0.331128
N17	TLR2	0.333017
M09	REG1A	0.336779
P04	VEGFA	0.338971
N19	TLR4	0.345403
O10	TNFRSF25	0.349418
P02	UBE2N	0.353991
P12	LRRC25	0.360896
E23	DEFB126	0.365625
M08	RB1	0.367774
A21	AURKA	0.371537
B21	CANX	0.371539
K16	NFKBIL1	0.380407
G22	IFIT5	0.380414
J09	MAP3K9	0.381401
K23	NR1H4	0.382674
P14	PTMA	0.384162
N24	TLR9	0.39457
D15	CDC45	0.384639
J24	MCM4	0.386581
D13	CDC6	0.388779
K01	MCM5	0.38889
O05	TNFRSF10C	0.394036
L09	PCSK1	0.397046
M10	REL	0.397925
E12	CYCS	0.398073
I19	LY86	0.399244
P24	PPC	0.402538
A13	AR	0.40304
G01	GZMA	0.407389
P18	HPR1	0.40871
O15	TNFSF14	0.409277
F01	DEFB129	0.409294
F09	ELK1	0.413066
L02	OAS1	0.41624
B10	BIRC2	0.421694
A06	ANAPC7	0.427301
O08	TNFRSF1A	0.4336
F11	ERBB2IP	0.441427
I20	LY96	0.442037
C19	CCR6	0.442652
F05	DMBT1	0.443709
H09	IL1A	0.44618
A23	BAG4	0.447903
J03	MAP3K11	0.452231
J07	MAP3K7	0.45321
D24	CRADD	0.453458
H10	IL1B	0.453371
I11	KIF20B	0.461983
F23	GPI	0.462697
L20	POLA2	0.4634
O09	TNFRSF1B	0.463754
L14	PEL1	0.476889
L10	PDE4A	0.477376
A24	BAK1	0.479437
L06	PAK1	0.481182
C20	CCR7	0.489984
N14	TLE1	0.489997

J19	MAPK8IP3	0.497388
N20	TLR5	0.499075
L21	POLD3	0.502221
E22	DEFB103A	0.504839
H01	IFNB1	0.508083
K18	NGFR	0.512075
D03	CD3E	0.520343
M21	SKI	0.521343
L22	POLG	0.525374
D01	CD34	0.530499
P22	HGDC	0.535709
C11	CCL27	0.538657
L07	PAK2	0.537136
E21	DEFB1	0.53911
P23	RTC	0.541822
F03	DEFB4A	0.543501
P20	GAPDH	0.544469
K2	IRF7	0.545085
IF6	FASLG	0.555979
H23	IRAK4	0.565981
G16	IFI35	0.566634
C02	CASP3	0.56764
Q03	TNFRSF10A	0.571042
M01	PRK2R5E	0.573036
E02	CSF1	0.578121
D06	CD40LG	0.58291
H18	IL6	0.585136
H20	IL8	0.585169
IT5	IL1NA	0.585269
N01	SUGT1	0.589771
F20	GALNT2	0.591978
J06	MAP3K6	0.599675
A11	APAF1	0.601259
B23	CARD9	0.603484
D04	CD4	0.613182
C07	CASP9	0.614643
G15	IFI27	0.61934
N16	TLR10	0.622318
H08	IL17A	0.623304
P08	CD74	0.624575
O20	TRADD	0.625003
J02	MAP3K10	0.631798
D12	CDK2	0.632866
E17	DDX58	0.633625
F13	FABP6	0.639223
A02	ABL1	0.643697
P01	TRIP6	0.652389
H19	IL7	0.653721
G05	HMOB1	0.655184
I23	MAP2K3	0.668121
K19	NLRP1	0.674071
B11	BIRC3	0.674704
K21	NOD2	0.677187
O19	TIP3	0.681153
J21	MC2R	0.681212
N03	TAB2	0.68727
P13	PSME2	0.688817
C09	CCL20	0.701415
B01	BAX	0.702316
A09	ANXA3	0.725482
J10	MAP4K2	0.726636
H06	IL10	0.728764
B02	BCL2	0.740518
C01	CASP2	0.74363
O24	TRAF6	0.747547
A16	ATF2	0.748584
A05	AKT1	0.753148
G24	IFNA1	0.754138
H16	IL33	0.755656
I24	MAP2K4	0.761541
I10	KAT5	0.772591
I12	KLK14	0.775159
N11	TICAM1	0.777773
I17	LTBR2	0.783271
A15	ATF1	0.789763
O22	TRAF2	0.79029
H03	IKKBK	0.799381
J05	MAP3K2	0.803903
N02	TAB1	0.806017
D19	CEACAM5	0.809165
O12	TNFRSF8	0.810973
I01	IRF3	0.815311
D22	CHUK	0.819196
I22	MAO2	0.832951
G11	HSPD1	0.836667
D10	CDC20	0.837123
N04	TAB3	0.844469
B17	C3	0.84785
I05	ITGAL	0.852
L13	PECAM1	0.85925
F06	DNAJC5	0.863091
J20	MAPK9	0.86718
G07	HRA5	0.875911
H21	RAK1	0.878894
D20	CEACAM6	0.883821
M03	PRKRA	0.885117
A08	ANXA1	0.892787
P19	RPL13A	0.910645
B14	BNIP3	0.910752
B20	CAD	0.910823
H14	IL2	0.913455
A18	ATF5	0.917161
D17	CDK1	0.919385
B24	CASP1	0.920234
J01	MAP3K1	0.927997
M11	RELA	0.930583
M24	SPP1	0.938948
O04	TNFRSF10B	0.946359
H05	IKBK	0.949597
C06	CASP8	0.955277
J13	MAPK10	0.955387
E01	CRP	0.956943
G18	IFI6	0.972695
R07	MAP	0.985819
D07	CDS8	0.986061
K24	NR2C2	0.986901
K20	NOD1	0.988521
J18	MAPK8	0.994343
F12	ESR1	0.996534

p-value:

The p values are calculated based on a Student's t-test of the replicate 2^(-Delta Ct) values for each gene in the control group and treatment groups, and p values less than 0.05 are indicated in red.

		Up-Down Regulation (comparing to control group)	
		Rejection Group	
		Fold Regulation	Comments
E13	FABP6	-19.4524	OKAY
E19	DEF45	-18.0327	OKAY
M23	SLC5A1	-17.962	OKAY
M22	SLC26A3	-17.5467	OKAY
P09	GLCA1	-14.8318	OKAY
E14	CYP3A4	-14.6721	OKAY
P03	UGT2B17	-14.3888	OKAY
L16	PLA2G2A	-12.9735	OKAY
A12	APOB	-11.9277	OKAY
E20	DEF46	-10.3852	OKAY
M09	REG1A	-10.1568	OKAY
F05	DMBT1	-9.555	OKAY
E16	DDC	-9.334	OKAY
C10	CCL25	-7.6542	OKAY
P06	VIPR1	-7.2288	A
D19	CEACAM5	-7.2194	OKAY
L19	PLS1	-6.9193	OKAY
D16	CDH1	-6.2064	OKAY
K22	NR0B2	-5.7333	A
K23	NR1H4	-5.3773	OKAY
H17	ILF3	-4.8147	OKAY
K02	MDK	-4.3225	A
D20	CEACAM6	-4.1125	OKAY
A03	ACE	-3.8617	OKAY
A07	ANPEP	-3.5879	OKAY
Q06	TNFRSF11A	-3.5631	A
K10	NEUROD1	-3.0327	A
B05	BCL2L14	-2.8983	OKAY
L18	PLCB3	-2.5724	OKAY
L24	PPARG	-2.5458	OKAY
M20	SIGIRR	-2.5075	B
E15	CYP7A1	-2.3094	B
E06	HPOD	-2.3014	OKAY
N18	TLR3	-2.2201	OKAY
F02	DEFB132	-2.2	B
J09	JUN	-2.1895	OKAY
L15	PLA2G1B	-2.1031	B
L23	PPARA	-2.084	OKAY
H3	KIKB1	-2.0473	OKAY
M19	SERPINA1	-2.0043	OKAY
P10	EIF4EBP2	-1.9974	OKAY
K17	NFRKB	-1.9965	OKAY
C04	CASP6	-1.9512	OKAY
B18	CS	-1.8693	OKAY
Q13	TNFSF13	-1.8524	B
A20	ATP8B1	-1.8033	OKAY
J14	MAPK13	-1.7963	OKAY
A04	ACTR1	-1.7381	B
F19	FOS	-1.7238	OKAY
J04	MAP3K13	-1.7075	OKAY
J16	MAPK3	-1.6622	OKAY
A17	ATF3	-1.6014	OKAY
M12	RIPK1	-1.559	OKAY
M16	SARM1	-1.5349	OKAY
F01	DEFB129	-1.5309	B
B13	BIRC3	-1.5157	B
Q10	TNFRSF25	-1.5026	OKAY
Q17	TOLLIP	-1.4974	OKAY
F07	EC3T	-1.4892	OKAY
E24	DEFB127	-1.4666	B
B15	BOK	-1.4533	OKAY
F17	FIS1	-1.4496	OKAY
E23	DEFB126	-1.4346	B
K16	NFKBIL1	-1.4118	B
E12	CYCS	-1.3625	OKAY
M14	RIPK3	-1.3619	OKAY
C05	CASP7	-1.3584	OKAY
P23	RTC	-1.3339	OKAY
E17	DDX58	-1.3333	OKAY
J17	MAPK6	-1.3264	OKAY
P24	PPC	-1.3178	OKAY
N13	TIRAP	-1.2851	OKAY
I15	LMNA	-1.279	OKAY
E22	DEFB103A	-1.2784	B
B04	BCL2L1	-1.2779	OKAY
Q08	TNFRSF1A	-1.2762	OKAY
I18	LTBR	-1.2563	OKAY
P18	HPRT1	-1.2558	OKAY
F04	YESF1A	-1.2447	OKAY
L06	PAK1	-1.2538	OKAY
J03	MAP3K11	-1.2402	OKAY
C07	CASP9	-1.2289	OKAY
P22	HSDC	-1.2269	B
F11	ERBB2IP	-1.2258	OKAY
A23	BAG4	-1.2211	OKAY
A24	BAG4	-1.2131	OKAY
A22	BAD	-1.2116	OKAY
O03	TNFRSF10A	-1.2079	OKAY
C11	CCL27	-1.1944	B
D24	CRADD	-1.1923	B
H2	KLK14	-1.1841	B
J02	MAP3K10	-1.183	B
N11	TICAM1	-1.1728	OKAY
L09	PSK1	-1.1713	OKAY
E01	CRP	-1.1597	B
F23	GPI	-1.1587	OKAY
B20	CAD	-1.1512	B
Q24	TRAF6	-1.1472	OKAY
E21	DEFB1	-1.1452	OKAY
D07	CDS8	-1.1344	OKAY
P20	GAPDH	-1.129	OKAY
I21	MC2R	-1.1207	B
P07	XIAP	-1.1192	OKAY
I10	KAT5	-1.1129	OKAY
J09	MAP3K9	-1.112	B
H14	IL2	-1.1105	B
I24	MAP2K4	-1.1105	OKAY
A05	AKT1	-1.1043	OKAY
B01	BAX	-1.0975	OKAY
F06	DNAJC5	-1.0788	OKAY
B02	BCL2	-1.0736	OKAY
J18	MAPK8	-1.0713	OKAY
G11	HSPD1	-1.0708	OKAY
B24	CASP1	-1.069	OKAY
D17	CDK1	-1.0487	OKAY
Q04	TNFRSF10B	-1.0493	OKAY
D22	CHUK	-1.0375	OKAY
A15	ATF1	-1.0371	OKAY
C01	CASP2	-1.033	OKAY
K20	ND1	-1.0312	OKAY
J05	MAP2K2	-1.0285	OKAY
J20	MAPK9	-1.0281	OKAY
M11	RELA	-1.0281	OKAY
M03	PRKRA	-1.0277	OKAY
K24	NR2C2	-1.0241	OKAY
H08	IL17A	-1.0223	B
J06	MAP3K6	-1.0215	OKAY
Q12	TNFRSF8	-1.021	B
N01	SUO1	-1.0162	OKAY
P13	PSME2	-1.0153	OKAY
N04	TAB3	-1.0126	OKAY
R1	IRF3	-1.0105	OKAY
N02	TAB1	-1.01	OKAY
G18	IFB	-1.0039	OKAY
L02	OAS1	-1.0017	OKAY
M01	PPP2R5E	1.0004	OKAY
H1	KIF20B	1.0026	OKAY
A16	ATF2	1.0048	OKAY
D12	CDC42	1.01	OKAY
G15	IFIT	1.0184	OKAY
C06	CASP8	1.0192	OKAY
F20	GALNT2	1.0187	OKAY

I23	MAP2K3	1.021	OKAY
H05	KRKG	1.027	OKAY
A11	APAF1	1.026	OKAY
I22	MADD	1.025	OKAY
H21	IRAK1	1.035	OKAY
P19	RPL13A	1.037	OKAY
L22	POL2	1.036	OKAY
N03	TAB2	1.042	OKAY
I17	LTBR2	1.049	B
L07	PAK2	1.044	OKAY
A18	ATF5	1.043	OKAY
J07	MAP3K7	1.049	OKAY
A02	ABL1	1.047	OKAY
B21	CANX	1.052	OKAY
P08	CD74	1.053	OKAY
J13	MAPK10	1.063	OKAY
D10	CDC20	1.063	OKAY
L20	POLA2	1.063	OKAY
L21	POLA3	1.067	OKAY
K14	NFKBIB	1.071	OKAY
L14	PEL1	1.073	OKAY
C21	CCR9	1.077	OKAY
J24	MCM4	1.075	OKAY
A06	ANAPC7	1.080	OKAY
H23	IRAK4	1.087	OKAY
D13	CDC5	1.088	OKAY
P02	UBE2N	1.097	OKAY
B10	BIRC2	1.103	OKAY
C02	CASP3	1.101	OKAY
J01	MAPK1	1.101	OKAY
H03	KKB6	1.105	OKAY
J15	MAPK14	1.134	OKAY
D06	CD40LG	1.158	A
H01	IFN1	1.158	B
Q22	TRAF2	1.173	OKAY
A19	ATF6	1.183	OKAY
J19	MAPK8IP3	1.183	OKAY
A09	ANXA3	1.197	OKAY
D15	CDC48	1.125	OKAY
P21	ACTB	1.129	OKAY
N14	TLF1	1.136	OKAY
M08	RS1	1.133	OKAY
A21	AURKA	1.145	OKAY
G16	IF35	1.145	OKAY
J12	MAPK1	1.147	OKAY
B11	BIRC3	1.154	OKAY
G10	HSPA4	1.154	OKAY
Q22	IFIT5	1.152	OKAY
F03	DEFMA	1.157	B
M10	REL	1.163	OKAY
F14	FADD	1.165	OKAY
P15	ACTB	1.170	OKAY
H19	IL7	1.179	OKAY
K07	MYD88	1.186	OKAY
G01	GZMA	1.189	OKAY
G24	IFNA1	1.191	B
E09	SLK	1.193	A
F22	GINS2	1.194	OKAY
B14	BNIP3	1.207	OKAY
K01	MCM5	1.204	OKAY
F14	PTM4	1.204	OKAY
C03	CASP4	1.214	OKAY
G04	HLA-DRA	1.226	OKAY
B07	ITGB1	1.224	OKAY
P01	TRIP6	1.229	OKAY
C13	CCL5	1.232	OKAY
N06	TBK1	1.245	OKAY
D03	GD3E	1.25	OKAY
C14	CCNA2	1.253	OKAY
G19	IFIT1	1.259	OKAY
D04	CD4	1.261	OKAY
L08	PABP1	1.267	OKAY
N24	TLR9	1.275	B
F15	FAS	1.284	OKAY
D14	CDC45	1.284	B
D11	CDC25B	1.281	OKAY
N05	TANK	1.282	OKAY
J22	MCL1	1.298	OKAY
K11	NFKB1	1.303	OKAY
G07	HRAS	1.312	OKAY
Q23	TRAF3	1.312	OKAY
B22	CARD6	1.311	OKAY
U2	IRF7	1.328	A
K09	NCAPG	1.330	OKAY
B09	BIK	1.345	OKAY
M21	SKI	1.345	OKAY
C15	CENB1	1.346	OKAY
F08	EF2AK2	1.357	OKAY
F04	DEPDC1	1.354	B
J23	MCM2	1.354	OKAY
F16	FASN3	1.356	A
Q09	TNFRSF1B	1.379	OKAY
A13	AR	1.364	B
B23	CARD9	1.373	B
D21	CENPA	1.379	OKAY
L01	NUP2	1.379	OKAY
O20	TRADD	1.375	B
Q19	TP53	1.380	OKAY
H24	IRF1	1.381	OKAY
J10	MAP4K2	1.394	B
B12	BIRC5	1.396	B
E18	DEF44	1.400	B
Q18	TOP2A	1.403	OKAY
F12	ESR1	1.407	B
P16	PGK1	1.411	OKAY
M15	RRM2	1.433	OKAY
E02	CSE1	1.451	OKAY
P12	LRRC25	1.452	B
P17	B2M	1.453	OKAY
G17	IF4	1.461	OKAY
D18	CDKN3	1.467	OKAY
A08	ANXA1	1.471	OKAY
K18	NGFR	1.473	B
G21	IF3	1.510	OKAY
F24	OTSE1	1.526	OKAY
B19	CACNA2D1	1.529	OKAY
E13	CYLD	1.540	OKAY
N20	TLR5	1.549	OKAY
C19	CCR6	1.553	OKAY
J11	MAP4K4	1.561	OKAY
I16	LTA	1.573	B
L19	PEA15	1.585	OKAY
G05	HMG81	1.586	OKAY
K08	NAIP	1.598	OKAY
L13	PECAM1	1.604	OKAY
K05	MX1	1.603	OKAY
N12	TICAM2	1.601	OKAY
G20	IFIT2	1.614	OKAY
F10	EPST11	1.630	A
B5	ITGA1	1.633	OKAY
H4	LAP3	1.650	OKAY
D01	CD34	1.657	OKAY
H06	IL10	1.679	A
H07	IL12A	1.687	A
H16	IL33	1.694	OKAY
G14	IFIT6	1.723	OKAY
B08	BD	1.736	OKAY
M24	SPP1	1.739	OKAY
K19	NLRP1	1.755	A
K13	NFKBIA	1.808	OKAY
N09	TGFB1	1.810	OKAY
N08	TRXAS1	1.819	OKAY
H04	KBKE	1.832	OKAY
L04	OAS3	1.834	OKAY
D4	ISS20	1.836	OKAY

A10	ANXA5	1.8572	OKAY
K21	NOD2	1.8588	B
G09	HSP91A	1.8641	OKAY
G03	HERC5	1.8864	OKAY
P11	IL1RAP	1.8864	OKAY
K12	NFKB2	1.8905	OKAY
J08	MMP9	1.8954	OKAY
Q15	TNFSF14	1.9202	B
C18	CCR5	1.9699	OKAY
N17	TLR2	1.9753	OKAY
K05	MMP2	2.0026	OKAY
M07	PTPRC	2.0262	OKAY
I19	LY86	2.0306	OKAY
N19	TLR4	2.0429	OKAY
L10	PDE4A	2.0536	B
K06	MX2	2.0652	OKAY
A01	A2M	2.0786	OKAY
A14	ARHGAP28	2.0895	OKAY
I20	LY96	2.0958	OKAY
F18	FN1	2.1003	OKAY
F21	GBP1	2.104	OKAY
N07	TBX21	2.1049	B
M13	RIPK2	2.1306	OKAY
G23	IFITM1	2.1519	OKAY
M3	ISG15	2.1538	OKAY
N10	TRX1	2.1539	OKAY
B07	BDKRB2	2.1952	OKAY
C09	CCL20	2.2143	OKAY
O05	TNFRSF10C	2.2255	OKAY
B17	C3	2.2385	OKAY
L05	OASL	2.2497	OKAY
H22	IRAK2	2.3559	OKAY
N21	TLR6	2.3794	OKAY
G08	HRH2	2.3825	A
M05	PTGIR	2.3836	B
D05	CD40	2.4095	OKAY
N22	TLR7	2.4116	A
C22	CD14	2.4169	OKAY
C16	CCR2	2.4538	OKAY
N16	TLR10	2.4538	A
H11	IL11	2.4559	OKAY
Q21	TRAF1	2.4559	OKAY
Q14	TNFSF13B	2.4666	OKAY
D09	CD98	2.4816	OKAY
G13	ICOS	2.488	A
Q02	TNFAIP3	2.5293	OKAY
B16	BTK	2.5403	A
N15	TLR1	2.5926	OKAY
I08	ITGB2	2.6459	OKAY
C23	CD180	2.7214	OKAY
P05	VIP	2.725	OKAY
I06	ITGAM	2.7774	OKAY
K15	NKG2E	2.7943	OKAY
O16	TNFSF4	2.8016	A
H15	IL2RA	2.8592	OKAY
Q07	TNFRSF19	2.932	B
L03	OAS2	2.9562	OKAY
Q11	TNFRSF4	3.1343	A
C24	CD19	3.2561	A
D02	CD38	3.2621	OKAY
M18	SSP1	3.4239	OKAY
N23	TLR8	3.5262	OKAY
M04	PTAFR	3.5569	OKAY
Q01	TNF	3.6144	OKAY
M02	PRF1	3.7192	A
E09	CXCL2	3.7241	OKAY
G12	ICAM1	3.7257	OKAY
C08	OCL4	3.7402	OKAY
C20	CCR7	3.7974	A
C17	CCR4	3.8571	OKAY
H13	IL1RL1	3.9415	OKAY
L17	PLA2G7	4.2483	OKAY
B03	BCL2A1	4.263	OKAY
L11	PDE4B	4.3829	OKAY
C12	CCL3	4.4827	OKAY
D08	CD80	4.6207	OKAY
B06	BDKRB1	4.7097	A
G02	GZMB	4.8736	OKAY
I21	MADCAM1	4.9033	OKAY
H18	IL6	5.1784	OKAY
H02	IFNG	5.237	A
K04	MMP9	5.4335	OKAY
E08	CXCL11	5.5255	OKAY
D23	CLEC4E	5.933	OKAY
E06	CXCL1	6.0786	OKAY
E05	CTLA4	6.113	A
M17	SELE	6.3121	OKAY
M06	PTGS2	6.8605	OKAY
H09	IL1A	7.4902	OKAY
H10	IL1B	8.2535	OKAY
E03	CSF2	8.3832	A
H12	IL1R2	9.3664	OKAY
E07	CXCL10	9.3746	OKAY
E11	CXCL6	10.4152	OKAY
H20	IL8	13.1489	OKAY
E10	CXCL5	13.2232	OKAY
E04	CSF3	14.7933	A

Comments:

A: This gene's average threshold cycle is relatively high (> 30) in either the control or the test sample, and is reasonably low in the other sample (< 30).
 These data mean that the gene's expression is relatively low in one sample and reasonably detected in the other sample suggesting that the actual fold-change value is at least as large as the calculated and reported fold-change result.
 This fold-change result may also have greater variations if p value > 0.05; therefore, it is important to have a sufficient number of biological replicates to validate the result for this gene.

B: This gene's average threshold cycle is relatively high (> 30), meaning that its relative expression level is low, in both control and test samples, and the p-value for the fold-change is either unavailable or relatively high (p > 0.05).
 This fold-change result may also have greater variations; therefore, it is important to have a sufficient number of biological replicates to validate the result for this gene.

C: This gene's average threshold cycle is either not determined or greater than the defined cut-off value (default 35), in both samples meaning that its expression was undetected, making this fold-change result erroneous and un-interpretable.

Fold Change & Fold Regulation:
 Fold-Change (2^{-(Delta Delta Ct)}) is the normalized gene expression (2^{-(Delta Ct)}) in the Test Sample divided the normalized gene expression (2^{-(Delta Ct)}) in the Control Sample.
 Fold-Regulation represents fold-change results in a biologically meaningful way. Fold-change values greater than one indicate a positive- or an up-regulation, and the fold-regulation is equal to the fold-change.
 Fold-change values less than one indicate a negative or down-regulation, and the fold-regulation is the negative inverse of the fold-change.
 Fold-change and fold-regulation values greater than 2 are indicated in red; fold-change values less than 0.5 and fold-regulation values less than -2 are indicated in blue.