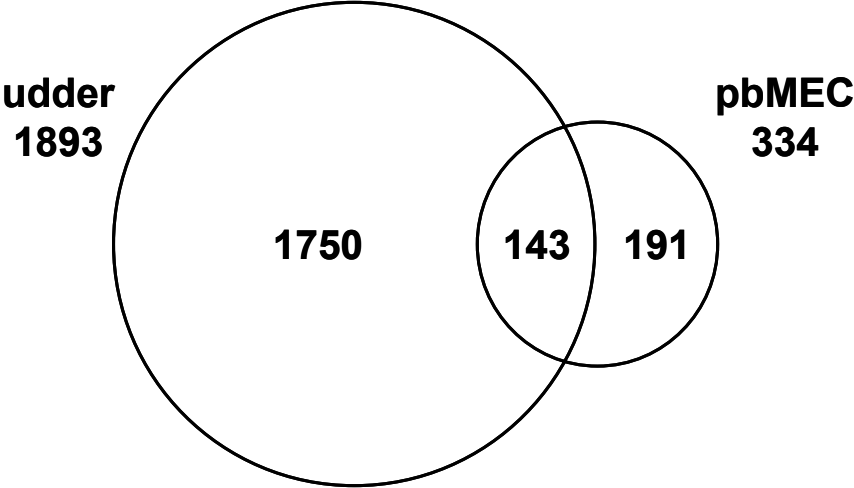


## **Online material**

Supplementary Figure S1

A) Up regulated probe sets



B) Up regulated Inflammatory Response genes

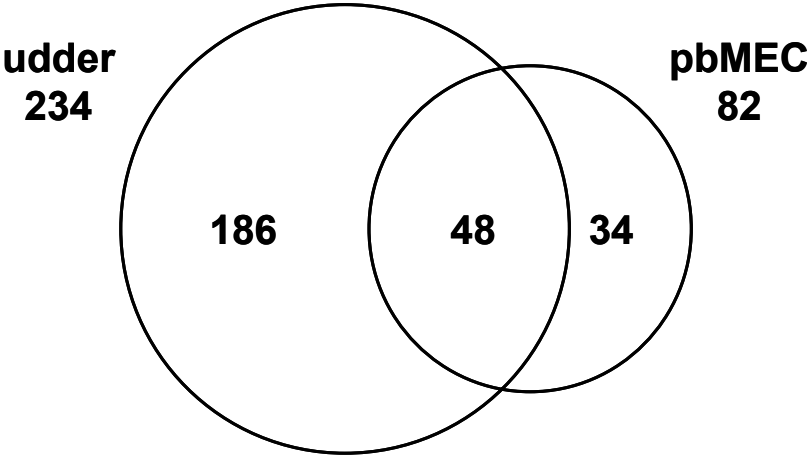


Fig S1

**Supplementary Table S1. Sequences of oligonucleotide primers used for real-time PCR quantification.**

Gene	GenBank no.	Primer sequence (5'–3')	Amplificate size (bp)
LAP	NM_203435	AGGCTCCATCACCTGCTCCTT * CCTGCAGCATTTTACTTGGGCT *	182
NOS2A	NM_001076799	ACAGGATGACCCCAAACGTC TCTGGTGAAGCGTGTCTTGG	188
IL8	NM_173925	CCTCTTGTTCAATATGACTTCCA GGCCCACTCTCAATAACTCTC	170
IL1A	NM_174092	GGCCAAAGTCCCTGACCTCT CTGCCACCATCACCACATTC	224
CCL20	NM_174263	CAGCAAGTCAGAAGCAAGCAA CCCACTTCTTCTTTGGATCTGC	166
CCL5	NM_175827	TCCCATATGCCTCGGAC TCGCACCCACTTCTTCTCTG	229
SELENB1	NM_001046048	AGGGCTGTATGGGCAACACT GGCACCTGGATCACCTTCTC	219
HPDG	NM_001034419	GTGGCCGATCAGGAACAAC ATGAGCCCTGCTAACGAGGA	236
ELF5	NM_001024569	GCATCAGACAGCTTGCGACT GCCTCCATGAACTCCTCCTG	189

\*upper line: forward-, lower line, reverse-primer

**Table S2. pbMEC expressed genes with significantly altered mRNA abundance following a 24 hours stimulus with heat killed *E. coli*.**

**A) Genes with increased mRNA abundance**

Affymetrix ID	Fold Change	Bovine Gene Symbol	Human Ortholog Gene Symbol
Bt.278.1.S1_at	1070.45	SAA3	SAA3P
Bt.552.1.S1_at	867.67	CCL5	CCL5
Bt.571.1.S1_at	423.73	LAP	DEFB4
Bt.8143.1.S1_at	366.58	MX2	MX2
Bt.24467.1.S1_at	311.91	RSAD2	RSAD2
Bt.9560.1.S1_at	311.27	CCL20	CCL20
Bt.155.1.S1_at	256.53	IL8	IL8
Bt.17195.1.A1_at	223.48	---	EIF4E
Bt.11259.1.S1_at	206.93	ISG12(A)	FAM14A
Bt.20785.2.S1_at	202.11	IFI44	IFI44
Bt.12553.1.S1_at	152.85	HP	HP
Bt.8436.1.S1_at	108.84	IFI6	G1P3
Bt.17729.1.A1_at	102.25	IFI44	IFI44
Bt.24813.1.A1_at	97.88	RTP4	IFRG28 RTP4
Bt.20785.1.A1_at	96.00	IFI44	IFI44
Bt.15912.1.S1_at	95.01	PLAC8	PLAC8
Bt.4856.1.S2_at	76.64	IL1B	IL1B
Bt.19620.1.A1_at	71.66	IFI44	IFI44L IFI44
Bt.19462.1.A1_at	65.30	MRM1	MRM1
Bt.2408.1.S1_s_at	63.65	CCL2	CCL2
Bt.20922.1.S1_at	57.48	OAS1	OAS1
Bt.15788.3.S1_at	55.48	LOC507402	SLC27A1
Bt.15788.1.S1_a_at	54.23	LOC507402	---
Bt.24813.2.S1_at	49.69	RTP4	IFRG28
Bt.22116.1.A1_at	47.47	IL18BP	IL18BP
Bt.24813.3.S1_at	45.51	RTP4	IFRG28 RTP4
Bt.8997.1.S1_at	42.49	---	RANGAP1
Bt.9675.1.S1_at	40.48	LOC787253	KAL1
Bt.9779.1.S1_at	34.27	ISG12(B)	FAM14A
Bt.24855.2.S1_at	34.15	TNFSF13B	TNFSF13B
Bt.7165.1.S1_at	33.15	CXCL5	CXCL6
Bt.25303.1.A1_at	33.11	---	GBP2
Bt.2408.1.S1_at	32.67	CCL2	CCL2
Bt.12304.1.S1_at	31.89	ISG15	G1P2
Bt.20891.1.S1_at	31.38	OAS2	OAS1
Bt.25111.1.A1_at	30.85	LOC508347	IFI44L
Bt.8906.1.S1_at	28.07	LGALS9	LGALS9
Bt.4675.1.S1_a_at	25.21	MX1	MX1
Bt.24795.1.A1_at	24.74	IFIT2	IFIT2
Bt.610.1.A1_at	24.20	CXCL2	CXCL2
Bt.7542.1.S1_at	23.05	BCL2A1	BCL2A1
Bt.8479.1.A1_at	22.64	NOS2A	NOS2A
Bt.28744.1.S1_at	21.99	GBP4	GBP4
Bt.3774.1.A1_at	21.80	RND1	RND1
Bt.1275.1.S1_at	21.54	LOC517354	CX3CL1
Bt.27564.1.A1_at	19.75	LGP2	LGP2
Bt.24345.2.S1_at	19.74	C2 /// CFB	C2

Bt.20300.1.A1_at	19.56	LOC509859	LBA1
Bt.9561.1.S1_at	18.42	MUC1	MUC1
Bt.13542.1.S1_at	17.40	CFB	BF
Bt.9179.2.S1_at	17.11	RNF213	---
Bt.9179.1.A1_at	16.75	RNF213	C17orf27
Bt.24157.1.A1_at	16.45	DKFZP564O0823	DKFZP564O0823
Bt.1220.1.S1_at	15.38	---	FLJ34922
Bt.23233.1.S1_at	14.84	USP18	USP18
Bt.7780.1.S1_at	14.56	LTF	LTF
Bt.18111.1.A1_at	14.15	---	---
Bt.21102.1.S1_at	13.90	---	DKFZP564O0823
Bt.611.1.S1_x_at	13.85	CXCL2	CXCL2
Bt.21431.1.S1_at	13.44	LTB	LTB
Bt.611.1.S1_at	13.18	CXCL2	CXCL2
Bt.23233.2.S1_at	12.84	USP18	USP18
Bt.2294.1.S1_a_at	12.24	UBA7	UBE1L
Bt.8552.1.S1_at	12.07	BOLA-DRA	HLA-DRA
Bt.16201.2.A1_at	11.89	S100A9	S100A9
Bt.16201.1.S1_at	11.74	S100A9	S100A9
Bt.22204.1.A1_at	11.63	LOC518495	ATP6V0A4
Bt.9296.1.A1_at	11.13	LOC512486	GBP3
Bt.24033.1.A1_at	11.07	DDX58	DDX58
Bt.191.1.S1_at	11.04	IL1A	IL1A
Bt.8962.3.S1_s_at	10.93	USP18	USP18
Bt.16857.1.A1_at	10.61	IFIH1	IFIH1
Bt.24345.1.S1_at	10.46	C2 /// CFB	C2
Bt.2913.1.A1_at	10.45	CRYM	CRYM
Bt.22021.1.S1_at	10.40	LOC506759	IFI16
Bt.19481.1.S1_at	10.35	---	---
Bt.3686.1.S1_at	10.35	IL6	IL6
Bt.9679.1.S1_at	10.16	LOC785058	KAL1
Bt.5259.1.S1_at	10.11	XAF1	HSXIAPAF1
Bt.4714.1.S1_at	10.10	MMP9	MMP9
Bt.23233.3.A1_at	9.95	USP18	USP18
Bt.9027.1.S1_at	9.65	NFKBIA	NFKBIA
Bt.16070.1.S1_at	9.04	---	CADPS
Bt.24098.1.A1_at	8.80	IFIH1	IFIH1
Bt.29044.1.S1_at	8.60	MGC143170	TIFA
Bt.9570.1.S1_at	8.09	LOC786672	TNFAIP2
Bt.22978.1.S1_a_at	8.06	IFITM1	IFITM1
Bt.22275.1.A1_at	7.92	ISG20	ISG20
Bt.24228.1.S1_at	7.90	LOC504309	---
Bt.8745.1.S1_at	7.65	ZC3H12A	FLJ23231
Bt.21685.1.A1_at	7.48	---	OPRM1
Bt.20732.1.A1_at	7.32	PIP5K1B	PIP5K1B
Bt.23126.1.S1_at	7.24	NOS2A	NOS2A
Bt.16725.1.S1_at	7.25	UBE2L6	UBE2L6
Bt.555.1.S1_at	6.78	CA4	CA4
Bt.16118.1.S1_at	6.68	LOC504309	MICL
Bt.22498.2.S1_at	6.52	---	---
Bt.611.1.S2_at	6.49	CXCL2	CXCL2
Bt.23779.1.A1_at	6.48	---	DAB1
Bt.16018.1.S2_at	6.47	CASP4	CASP4
Bt.1369.1.S1_at	6.27	SLC39A2	SLC39A2
Bt.191.1.S2_at	6.21	IL1A	IL1A
Bt.24480.1.S1_at	6.20	LOC516875	PIP3-E

Bt.350.1.S1_s_at	6.13	BLA-DQB	HLA-DQB1
Bt.26232.1.S1_at	6.12	---	SP100
Bt.76.1.S1_at	5.95	COX7A1	COX7A1
Bt.16725.2.A1_at	5.90	UBE2L6	UBE2L6
Bt.24335.1.S1_at	5.87	DAPP1	DAPP1
Bt.9391.2.S1_at	5.83	BIRC3	BIRC3
Bt.20409.1.S1_at	5.66	PARP9	PARP9
Bt.14676.1.S1_at	5.62	PARP14	PARP14
Bt.22978.2.S1_at	5.59	IFITM1	IFITM1
Bt.4802.1.S1_at	5.58	LTF	LTF
Bt.9098.1.A1_at	5.57	---	---
Bt.4784.1.S1_at	5.55	LPO	LPO
Bt.20923.1.S1_at	5.49	EIF2AK2	EIF2AK2
Bt.17514.1.S1_at	5.45	---	TNFAIP3
Bt.22498.1.A1_at	5.42	---	TCTE1L
Bt.28561.1.S1_at	5.31	MAP3K8	MAP3K8
Bt.29006.1.S1_at	5.27	LOC785042	CYP2J2
Bt.13130.1.S1_at	5.23	CD40	CD40
Bt.2346.1.S1_at	5.17	LY6E	LY6E
Bt.8945.1.S1_at	5.11	TLR2	TLR2
Bt.16018.1.S1_a_at	5.05	CASP4	CASP4
Bt.24855.1.S1_at	5.02	TNFSF13B	TNFSF13B
Bt.1472.1.S1_at	4.98	IKBKE	IKBKE
Bt.21773.2.S1_at	4.96	GBP5	GBP5
Bt.16521.2.A1_at	4.95	PION	LOC54103
Bt.13484.1.A1_at	4.90	PPP1R3C	PPP1R3C
Bt.7827.1.A1_at	4.88	---	---
Bt.10077.1.S2_at	4.87	IRF1	IRF1
Bt.8227.1.S1_at	4.87	NFKBIZ	NFKBIZ
Bt.28624.1.S1_at	4.86	SAMD9	SAMD9
Bt.16326.1.S1_at	4.83	TMEM140	FLJ11000
Bt.28011.1.S1_at	4.83	BoLA-DRB3	HLA-DRB1
Bt.28523.1.S1_at	4.80	---	DTX3L
Bt.28068.1.S1_at	4.77	---	SLC5A1
Bt.22130.1.S1_at	4.75	IFIT5	IFIT5
Bt.21773.1.A1_at	4.63	GBP5	GBP5
Bt.10893.1.S1_at	4.62	---	GALNAC4S-6ST
Bt.2186.1.S1_at	4.57	ZNFX1	KIAA1404
Bt.16077.1.S1_at	4.53	RAMP3	RAMP3
Bt.20790.1.S1_at	4.50	TNFSF10	TNFSF10
Bt.19107.1.S1_at	4.41	---	VPS54 UGP2
Bt.17229.1.A1_at	4.36	ZNFX1	KIAA1404
Bt.21685.2.S1_at	4.34	LOC516875	---
Bt.9391.1.A1_at	4.29	BIRC3	BIRC2
Bt.8953.1.S1_at	4.28	PTGES	PTGES
Bt.17669.1.S1_a_at	4.24	RELB	RELB
Bt.15675.1.S1_at	4.23	ADAMTS4	ADAMTS4
Bt.26426.1.A1_at	4.22	RBM43	FLJ45645
Bt.12801.1.S1_at	4.21	ALOX15B	ALOX15B
Bt.9500.1.S1_a_at	4.17	LOC524159	EPST11
Bt.8107.1.S1_at	4.11	SP140	SP140
Bt.4762.1.S1_at	4.10	BOLA-NC1	HLA-A
Bt.5238.1.S1_at	4.09	CHI3L1	CHI3L1
Bt.28637.1.S1_at	4.08	---	MYADM
Bt.9632.1.S1_a_at	4.06	DMBT1	DMBT1
Bt.23093.1.S1_at	4.04	CXCL3	CXCL3

Bt.4209.2.S1_at	3.98	C3	C3
Bt.22056.1.S1_a_at	3.96	ABHD1	ABHD1
Bt.23509.1.S1_at	3.94	PPAP2B	PPAP2B
Bt.11904.1.S1_at	3.90	ACSL6	ACSL6
Bt.13092.1.S1_at	3.83	MMP7	MMP7
Bt.5356.1.S1_s_at	3.81	BoLA-DRB3	HLA-DRB1
Bt.20054.1.S1_at	3.79	IRF9	ISGF3G
Bt.3805.1.S1_at	3.72	BOLA-N /// JSP.1	HLA-A
Bt.4748.1.S1_at	3.71	SOD2	SOD2
Bt.28094.1.S1_at	3.70	---	CASP7
Bt.13484.2.S1_at	3.70	PPP1R3C	PPP1R3C
Bt.19107.2.A1_at	3.68	---	---
Bt.1007.1.S1_at	3.62	BOLA-DMB	HLA-DMB
Bt.9630.1.S1_at	3.58	TMPRSS2	TMPRSS2
Bt.25103.1.S1_at	3.57	TDRD7	TDRD7
Bt.23977.1.A1_at	3.57	---	---
Bt.1536.3.S1_at	3.51	NFKBIE	NFKBIE
Bt.3624.1.S1_at	3.50	PSMB10	PSMB10
Bt.23174.1.S1_at	3.47	CD74	CD74
Bt.1942.1.S1_at	3.47	PLAUR	PLAUR
Bt.20532.1.S1_at	3.47	PSMB9	PSMB9
Bt.6410.1.A1_at	3.42	C15H11ORF34	C11orf34
Bt.20363.1.S1_at	3.40	MGC134419	FLJ11286
Bt.248.1.S1_at	3.39	CD38	CD38
Bt.27830.1.A1_at	3.38	SP140	SP140
Bt.24675.1.S1_at	3.37	PIK3R5	PIK3R5
Bt.13362.1.S1_at	3.33	TSPAN1	TSPAN1
Bt.18415.1.A1_at	3.27	FTSJD1	FLJ11171
Bt.15957.1.S1_at	3.25	---	MX2
Bt.18643.1.A1_at	3.24	---	---
Bt.5768.2.S1_at	3.24	IRF7	IRF7
Bt.6968.1.S1_at	3.23	---	---
Bt.25025.1.S1_at	3.22	SLC2A6	SLC2A6
Bt.4018.1.S1_at	3.19	ARRB1	ARRB1
Bt.16983.1.S1_at	3.18	TRIM6-TRIM34	TRIM5
Bt.10152.1.A1_at	3.18	PLSCR1	PLSCR2
Bt.7140.1.S1_at	3.15	---	ARRB1
Bt.23509.2.A1_at	3.15	---	PPAP2B
Bt.2501.1.S1_at	3.10	---	MGC5618
Bt.2017.1.S1_at	3.10	TFPI2	TFPI2
Bt.7142.2.S1_a_at	3.09	MAFF	MAFF
Bt.5432.3.S1_at	3.09	TNIP1	TNIP1
Bt.13546.2.S1_at	3.07	---	DKFZP564O0823
Bt.5768.1.S1_at	3.07	IRF7	IRF7
Bt.24373.1.S1_at	3.06	TRIM47	TRIM47
Bt.9217.1.A1_at	3.05	LOC512672	DAB1
Bt.24539.1.S1_at	3.03	TMEM106A	MGC20235
Bt.22980.1.S1_at	3.02	TRIM21	TRIM21
Bt.5432.1.S1_at	3.01	TNIP1	TNIP1
Bt.18643.1.A1_a_at	2.98	---	---
Bt.20288.1.S1_at	2.97	NFKB2	NFKB2
Bt.16350.2.A1_s_at	2.95	GBP5	GBP5
Bt.11211.1.S1_at	2.95	SLC5A1	SLC5A1
Bt.9075.1.S1_at	2.93	TRIM25	COIL
Bt.18643.2.S1_at	2.92	CFLAR	CFLAR
Bt.29814.1.S1_at	2.92	BoLA /// HLA-A	HLA-A

Bt.29332.1.A1_at	2.91	ERO1L	ERO1L
Bt.11505.2.S1_at	2.90	GRINA	GRINA
Bt.20572.1.A1_at	2.90	---	TRIM21
Bt.7130.1.S1_at	2.86	BACE2	BACE2
Bt.7171.1.S1_at	2.86	TAPBPL	TAPBPL
Bt.13869.1.A1_at	2.86	TRIM25	TRIM25
Bt.5684.1.S1_at	2.84	PNPT1	PNPT1
Bt.29129.1.S1_at	2.82	AGR2	AGR2
Bt.6405.1.S1_at	2.81	MBP	MBP
Bt.12638.1.S1_at	2.80	---	PML
Bt.7671.1.S1_at	2.77	IFITM3	IFITM3
Bt.9632.2.S1_at	2.74	DMBT1	DMBT1
Bt.27760.1.S1_at	2.72	BoLA /// HLA-A	HLA-A
Bt.16453.1.A1_at	2.71	SLC6A14	SLC6A14
Bt.15691.1.S1_at	2.70	---	KCNK5
Bt.10130.1.S1_at	2.69	---	SQRDL
Bt.25052.1.S1_at	2.63	CAPN6	CAPN6
Bt.2501.2.A1_at	2.62	---	SOD2
Bt.1229.1.S1_at	2.62	APOA1	APOA1
Bt.23971.1.S1_at	2.61	ADAR	ADAR
Bt.4378.2.S1_a_at	2.60	ECE1	ECE1
Bt.17223.1.S1_at	2.59	IFI35	IFI35
Bt.17777.2.S1_at	2.58	OPTN	OPTN
Bt.18873.1.A1_at	2.58	---	EPSTI1
Bt.26229.1.A1_at	2.57	LOC507627	SLAMF9
Bt.25269.1.S1_at	2.55	GCA	GCA
Bt.16321.1.A1_at	2.54	CXCL3	CXCL2
Bt.18330.1.A1_at	2.53	ASGR2	ASGR2
Bt.28287.1.S1_at	2.52	UNC93A	UNC93A
Bt.22050.1.S1_at	2.51	HCK	HCK
Bt.28338.1.S1_at	2.50	ERAP1	ARTS-1
Bt.27365.1.A1_at	2.50	CD38	CD38
Bt.9733.1.S1_at	2.48	---	---
Bt.26692.1.S1_a_at	2.48	BNIP3	BNIP3
Bt.6410.2.A1_s_at	2.44	H15C11ORF34	---
Bt.1536.1.A1_at	2.43	NFKBIE	NFKBIE
Bt.16521.1.S1_at	2.43	PION	LOC54103
Bt.7142.1.S1_at	2.41	MAFF	MAFF
Bt.26665.3.S1_at	2.41	PLEKHA4	PLEKHA4
Bt.20416.1.S1_at	2.41	TAP1	TAP1
Bt.24568.1.A1_at	2.40	KLK10	KLK10
Bt.6597.2.S1_a_at	2.37	LGALS3BP	LGALS3BP
Bt.3291.1.A1_at	2.35	LOC516658	C20orf175
Bt.17036.1.A1_s_at	2.34	LOC790042 /// WARS	WARS
Bt.29956.1.A1_at	2.34	BMP2	BMP2
Bt.8917.1.S1_at	2.34	ALOX12E	ALOX12P2
Bt.2841.2.S1_a_at	2.33	WARS	WARS
Bt.14395.2.S1_at	2.32	C3orf57	ADMP
Bt.12606.1.S1_a_at	2.32	---	---
Bt.24992.1.S1_at	2.31	RTP3	TMEM7
Bt.24492.1.S1_at	2.31	STAT2	STAT2
Bt.22729.1.S1_at	2.30	---	FLJ45422
Bt.10865.1.S1_at	2.28	---	CTSC
Bt.20110.1.S1_at	2.28	PSMF1	PSMF1
Bt.22747.1.S1_at	2.28	---	---
Bt.9083.1.S1_at	2.28	TRAF1	TRAF1



Bt.13024.1.S1_at	2.27	P2RY2	P2RY2
Bt.6597.1.S1_at	2.26	LGALS3BP	LGALS3BP
Bt.4138.1.S1_a_at	2.26	VEGFA	VEGF
Bt.4943.2.S1_at	2.25	PVRL2	PVRL2
Bt.23659.1.S1_at	2.25	SLC1A1	SLC1A1
Bt.15615.1.S1_at	2.24	NLRC5	NOD27
Bt.28313.1.S1_at	2.24	APOL3	APOL2
Bt.2841.1.S1_at	2.24	WARS	WARS
Bt.23232.1.S1_at	2.24	EGLN3	EGLN3
Bt.7472.1.S1_at	2.24	TREX1	TREX1
Bt.18320.1.A1_at	2.23	---	ANKFY1
Bt.16124.2.S1_at	2.23	---	P2RXL1
Bt.21252.1.A1_at	2.23	---	ALOX15B
Bt.21518.1.S1_at	2.22	---	SNF1LK
Bt.20189.1.S1_at	2.22	LOC509620	KIAA0082
Bt.28283.1.S1_at	2.21	MGC127138	C19orf21
Bt.17081.1.A1_at	2.20	LMO2	LMO2
Bt.11679.1.S1_at	2.20	---	OLFML2A
Bt.3880.1.S1_at	2.20	MARCKSL1	MARCKSL1
Bt.24997.1.S1_at	2.20	---	LOC134111
Bt.29824.1.S1_s_at	2.18	BOLA	HLA-A
Bt.27071.1.S1_at	2.18	TRIM38	TRIM38
Bt.16370.1.S1_at	2.17	FAM107B	C10orf45
Bt.344.1.S1_at	2.17	BOLA-DMA	HLA-DMA
Bt.4831.1.S1_at	2.17	CALCOCO2	NDP52
Bt.9774.1.S1_a_at	2.17	MGC165862	NMES1
Bt.11043.1.S1_a_at	2.17	BCL2L12	BCL2L12
Bt.6958.3.A1_at	2.13	BNIP3	BNIP3
Bt.27240.2.S1_at	2.13	SLCO4A1	SLCO4A1
Bt.22257.1.S1_at	2.12	ASGR1	ASGR1
Bt.26695.2.A1_at	2.12	---	ICOSLG
Bt.4345.1.S1_at	2.12	FAS	FAS
Bt.12583.1.A1_at	2.11	---	BHLHB3
Bt.15692.1.A1_at	2.11	RNF19B	IBRDC3
Bt.5540.1.S1_a_at	2.10	GTF2B /// LOC786656	GTF2B
Bt.26851.1.S1_at	2.10	DRAM	FLJ11259
Bt.26665.1.S1_at	2.10	PLEKHA4	PLEKHA4
Bt.14047.1.A1_at	2.10	TRIM6	TRIM6
Bt.19227.1.S1_at	2.10	---	ATP2B1
Bt.23278.1.S1_at	2.10	AIF1	AIF1
Bt.6406.1.S3_at	2.10	CEBPD	CEBPD
Bt.10150.1.S1_at	2.10	CAPN6	CAPN6
Bt.9064.1.S1_at	2.10	STAT1	STAT1
Bt.27404.1.S1_at	2.10	ABHD2	ABHD2
Bt.16376.1.S1_at	2.08	PARP12	ZC3HDC1
Bt.16124.1.A1_at	2.08	---	BPIL2
Bt.17777.3.S1_at	2.08	OPTN	OPTN
Bt.8022.1.S1_at	2.07	CTSC	CTSC
Bt.5508.1.S1_at	2.06	IFNAR2	IFNAR2
Bt.14395.1.A1_at	2.06	C3orf57	ADMP
Bt.13345.1.A1_at	2.05	LOC784739	USP54
Bt.20942.1.S1_at	2.04	---	PIK3AP1
Bt.20517.1.S1_at	2.04	SLC25A28	SLC25A28
Bt.15419.1.S1_at	2.03	GCA	GCA
Bt.9309.1.A1_at	2.03	NFKB1	NFKB1
Bt.9487.1.S1_at	2.03	LOC616969	---

Bt.4943.1.S1_at	2.02	PVRL2	PVRL2
Bt.27815.1.S1_at	2.02	FRK	FRK
Bt.17777.1.S1_at	2.02	OPTN	OPTN
Bt.2519.1.S1_at	2.02	PLAU	PLAU
Bt.15865.1.S1_at	2.01	PSMB8	PSMB8
Bt.23903.1.A1_at	2.01	---	---
Bt.9267.1.A1_at	2.01	APOBEC3B	APOBEC3A

**(B) Decreased abundance:**

Affymetrix ID	Fold Change	Bovine Gene Symbol	Human Ortholog Gene Symbol
Bt.4604.1.S1_a_at	-5.24	ACSM1	BUCS1
Bt.16808.2.A1_at	-4.96	RASL12	RASL12
Bt.3247.1.S1_at	-3.62	MATN2	MATN2
Bt.24328.1.S1_at	-3.38	---	MAOA
Bt.3797.1.S1_at	-3.32	FMOD	FMOD
Bt.2556.1.S1_at	-3.17	HPGD	HPGD
Bt.20861.1.A1_at	-2.97	---	---
Bt.14122.1.A1_at	-2.90	---	VAV3
Bt.22672.1.A1_at	-2.75	HPGD	HPGD
Bt.13975.1.S1_a_at	-2.56	APOD	APOD
Bt.9659.1.S1_a_at	-2.52	ENPP3	ENPP3
Bt.11221.1.S1_at	-2.51	GYPC	GYPC
Bt.16958.1.A1_at	-2.49	LOC788422	---
Bt.4437.1.S1_at	-2.42	CITED1	CITED1
Bt.26014.1.A1_at	-2.37	TMEM117	DKFZp434K2435
Bt.12819.1.S1_at	-2.37	---	ELF5
Bt.21210.2.S1_at	-2.36	ZCCHC7	ZCCHC7
Bt.13330.1.S1_at	-2.34	PDK4	PDK4
Bt.21116.1.S1_at	-2.34	SELENBP1	SELENBP1
Bt.22546.1.S1_at	-2.34	MED11	MGC88387
Bt.5056.2.A1_at	-2.31	EFEMP1	EFEMP1
Bt.20227.2.S1_at	-2.31	SLC25A15	SLC25A15
Bt.808.1.S1_at	-2.28	ABCA5	ABCA5
Bt.4645.1.S1_at	-2.27	FAM129A	C1orf24
Bt.9745.1.A1_at	-2.23	KRT15	KRT13
Bt.5732.1.S1_at	-2.17	---	SESN3
Bt.16720.1.A1_at	-2.16	CYP4B1	CYP4B1
Bt.20316.1.S1_at	-2.15	ANKRD23	ANKRD23
Bt.27801.1.A1_at	-2.12	KCNE1	KCNE1
Bt.9740.1.S1_at	-2.11	---	MGC10744
Bt.24887.1.S1_at	-2.11	ELF5	ELF5
Bt.25769.1.A1_at	-2.10	LOC539199	MAMDC2
Bt.23505.1.S1_at	-2.09	PDK4	PDK4
Bt.18479.1.A1_at	-2.07	ZNF608	ZNF608
Bt.29194.1.S1_at	-2.06	---	---
Bt.13249.1.A1_at	-2.03	SCD5	SCD4
Bt.26598.1.S1_at	-2.01	LOC513767	PCTP
Bt.19661.1.S1_at	-2.01	PPP2R2B	PPP2R2B
Bt.12283.1.A1_at	-2.00	DIRAS3	DIRAS3

**Table S3. Udder expressed genes revealing altered mRNA abundance 24 h after udder infection with *E. coli*.**

**(A) increased abundance**

Affymetrix ID	Fold Change	Bovine Gene Symbol	Human Ortholog Gene Symbol
Bt.146.1.S1_at	882.22	BNBD-4	DEFB4
Bt.13125.1.S1_s_at	843.36	BNBD-4 /// DEFB1 /// DEFB5	DEFB4
Bt.27757.1.S1_at	658.03	CHI3L2	CHI3L2
Bt.4208.1.S1_at	607.61	IL8RA	IL8RB
Bt.9560.1.S1_at	514.85	CCL20	CCL20
Bt.9974.1.S1_at	507.76	CCL3	CCL3L1
Bt.1369.1.S1_at	460.48	SLC39A2	SLC39A2
Bt.9693.1.S1_at	392.62	LOC511106	SERPINB3
Bt.9504.1.A1_at	389.37	CCL4	CCL4L
Bt.571.1.S1_at	384.54	LAP	DEFB4
Bt.14100.1.S1_at	348.25	OLFM4	OLFM4
Bt.29477.1.A1_at	289.62	CHI3L2	CHI3L2
Bt.17889.1.A1_at	288.41	MGC165939	KIAA0804
Bt.8479.1.A1_at	272.86	NOS2A	NOS2A
Bt.13628.1.S1_at	269.29	TGM3	TGM3
Bt.26980.1.S1_at	243.71	BNBD10	DEFB4
Bt.4199.1.S1_at	242.86	IL1RN	IL1RN
Bt.13628.2.S1_a_at	242.86	TGM3	TGM3
Bt.18827.1.A1_at	236.39	LOC529195	MEFV
Bt.26991.2.S1_a_at	233.94	ATP5F1	ATP5F1
Bt.13125.1.S1_at	223.02	DEFB1 /// DEFB5	DEFB4
Bt.9974.1.S1_a_at	206.07	CCL3	CCL3L1
Bt.1983.1.S1_at	192.54	JMJD2B	EMR1
Bt.16201.2.A1_at	187.66	S100A9	S100A9
Bt.16201.1.S1_at	177.79	S100A9	S100A9
Bt.958.2.S1_at	165.19	TNFAIP6	TNFAIP6
Bt.25307.1.A1_at	160.23	---	---
Bt.8544.1.S1_at	157.48	CD69	CD69
Bt.4856.1.S2_at	155.96	IL1B	IL1B
Bt.13073.1.S1_at	155.20	SERPINB2	SERPINB2
Bt.1377.1.S1_at	146.73	CCR1	CCR1
Bt.23152.1.S1_at	145.71	RETN	RETN
Bt.29621.1.S1_at	143.51	LOC533088	GPX2
Bt.15713.1.A1_at	137.19	PLEK	PLEK
Bt.22322.1.S1_at	135.67	LOC616035	SAA1 SAA2
Bt.21868.1.A1_at	132.15	---	IGSF6
Bt.24417.2.S1_at	129.16	---	DAF
Bt.357.1.S1_at	126.06	S100A12	S100A12
Bt.12206.1.S1_x_at	119.35	BNBD-9-LIKE /// DEFB7 /// DEFB8	DEFB4
Bt.958.1.A1_at	116.08	TNFAIP6	TNFAIP6
Bt.24073.1.S1_at	106.23	IL1R1	IL1R2
Bt.191.1.S1_at	104.04	IL1A	IL1A
Bt.12304.1.S1_at	102.47	ISG15	G1P2
Bt.611.1.S1_x_at	101.97	CXCL2	CXCL2
Bt.28328.1.A1_at	101.13	---	SLC26A9
Bt.9675.1.S1_at	100.36	LOC787253	KAL1
Bt.611.1.S1_at	98.84	CXCL2	CXCL2

Bt.9208.1.S1_at	98.63	TREM1	TREM1
Bt.20327.1.S1_a_at	96.14	UPP1	UPP1
Bt.21868.2.S1_at	93.64	---	IGSF6
Bt.28225.1.A1_at	93.64	SAMSN1	SAMSN1
Bt.16425.1.A1_at	91.20	---	---
Bt.27815.1.S1_at	88.34	FRK	FRK
Bt.4856.1.S1_at	83.06	IL1B	IL1B
Bt.28393.1.S1_at	71.95	CD55	DAF
Bt.27351.1.S1_at	71.70	SLC5A5	SLC5A5
Bt.15758.1.S1_at	70.38	PTGS2	PTGS2
Bt.191.1.S2_at	68.59	IL1A	IL1A
Bt.7165.1.S1_at	68.59	CXCL5	CXCL6
Bt.29351.1.A1_at	67.98	PRSS22	PRSS22
Bt.27986.1.S1_at	66.17	CD80	CD80
Bt.17514.1.S1_at	65.25	---	TNFAIP3
Bt.24438.1.S1_a_at	64.94	CSF3R	CSF3R
Bt.610.1.A1_at	61.99	CXCL2	CXCL2
Bt.3046.2.S1_at	60.59	FCNB	FCN1 FCN2
Bt.155.1.S1_at	58.24	IL8	IL8
Bt.19272.1.A1_at	57.40	---	GPR84
Bt.358.1.S1_at	54.04	S100A7	S100A7
Bt.2334.1.S1_at	53.71	CD68	CD68
Bt.8745.1.S1_at	52.97	ZC3H12A	FLJ23231
Bt.18234.1.S1_at	51.88	LOC100140740	IGSF6
Bt.21431.1.S1_at	50.95	LTB	LTB
Bt.28225.2.S1_at	50.81	SAMSN1	SAMSN1
Bt.13293.1.S1_at	49.52	CD48	CD48
Bt.20596.1.S1_at	48.84	MPZL2	EVA1
Bt.29099.1.S1_at	47.21	MGC152111	CD80
Bt.9485.1.S1_at	46.88	---	TNFRSF1B
Bt.27087.1.A1_at	46.88	TMEM156	FLJ23235
Bt.6372.1.A1_at	46.59	LOC504861	SLC7A3
Bt.9774.1.S1_a_at	45.85	MGC165862	NMES1
Bt.21736.1.A1_at	44.14	---	RASSF2
Bt.9054.1.A1_at	44.11	PEX5	---
Bt.21087.1.A1_at	43.83	TCF19	TCF19
Bt.552.1.S1_at	43.47	CCL5	CCL5
Bt.19670.1.A1_at	43.41	---	---
Bt.29415.1.A1_at	41.82	LOC785052 /// LOC785779	C6orf32
Bt.7542.1.S1_at	41.47	BCL2A1	BCL2A1
Bt.1942.1.S1_at	40.81	PLAUR	PLAUR
Bt.19897.1.A1_at	40.14	---	ATP5F1
Bt.367.1.S1_at	39.51	OLR1	OLR1
Bt.9360.1.S1_at	39.29	S100A8	S100A8
Bt.22050.1.S1_at	39.12	HCK	HCK
Bt.7066.1.S1_at	39.07	ALOX5AP	ALOX5AP
Bt.24918.1.A1_at	38.94	FRRS1	---
Bt.21220.1.S1_at	37.40	EMR3	EMR3
Bt.4137.1.A1_at	36.89	---	G0S2
Bt.28073.1.S1_at	36.53	PSTPIP2	PSTPIP2
Bt.4660.1.S1_at	36.53	CSF3	CSF3
Bt.7469.1.S1_at	36.43	FCAR	FCAR
Bt.24417.1.A1_at	36.25	---	DAF
Bt.28015.1.S1_at	36.08	LOC407171	NCR1
Bt.7130.1.S1_at	35.73	BACE2	BACE2
Bt.12553.1.S1_at	35.51	HP	HP

Bt.15616.1.S1_at	34.87	SLC16A3	SLC16A3
Bt.9605.1.S1_at	34.75	MS4A8B	MS4A8B
Bt.2153.1.S1_at	34.68	IER3	IER3
Bt.4285.1.S1_at	34.56	CD14	CD14
Bt.143.1.S1_at	34.08	NCF2	NCF2
Bt.19784.1.A1_at	33.54	---	AMPD3
Bt.19423.1.S1_at	33.22	ABCA1	ABCA1
Bt.25812.1.A1_at	32.60	---	GPR109B
Bt.27364.1.S1_at	32.45	PTAFR	PTAFR
Bt.27240.2.S1_at	32.00	SLCO4A1	SLCO4A1
Bt.21061.1.A1_at	31.85	---	SLC26A4
Bt.9736.1.S1_at	31.36	SLPI	SLPI
Bt.8140.1.S1_at	31.30	FCER1G	FCER1G
Bt.28934.1.S1_at	30.91	AREG	AREG
Bt.2129.1.S1_at	30.15	---	CSPG2
Bt.11904.1.S1_at	30.15	ACSL6	ACSL6
Bt.2519.1.S1_at	30.06	PLAU	PLAU
Bt.5525.1.S1_at	30.00	ECM1	ECM1
Bt.16453.1.A1_at	29.36	SLC6A14	SLC6A14
Bt.19423.2.S1_at	29.16	ABCA1	ABCA1
Bt.24978.1.A1_at	28.80	GZMK	MOCS2
Bt.11061.1.S1_at	28.74	TNC	TNC
Bt.27239.1.A1_at	27.80	MLKL	FLJ34389
Bt.4130.1.S1_at	27.53	F5	F5
Bt.142.1.S1_at	27.42	NCF1	NCF1
Bt.8820.1.S1_a_at	27.04	HCLS1	HCLS1
Bt.15713.2.S1_at	26.80	PLEK	PLEK
Bt.24217.1.S1_at	26.01	NFE2	NFE2
Bt.8180.3.A1_a_at	25.99	LOC782388	CPNE2
Bt.14198.1.S1_at	25.85	LOC783295	LOC387882
Bt.13130.1.S1_at	25.55	CD40	CD40
Bt.5998.1.S1_at	25.18	---	ZDHC23
Bt.6817.2.S1_at	24.66	---	TNFRSF1B
Bt.19405.1.A1_at	24.00	P2RY13	P2RY13
Bt.10867.1.S1_at	23.52	NFKBID	TA-NFKBH
Bt.5395.1.S1_a_at	23.47	VCAN	CSPG2
Bt.711.1.A1_at	22.98	SH3TC2	SH3TC2
Bt.16271.2.A1_at	22.69	CLEC4E	CLECSF9
Bt.3686.1.S1_at	22.27	IL6	IL6
Bt.24760.1.S1_at	22.04	LOC782062	LILRB3
Bt.28708.1.S1_at	21.89	---	IL1RAP
Bt.9391.2.S1_at	21.89	BIRC3	BIRC3
Bt.19809.1.S1_at	21.65	BDKRB2	TRAF3
Bt.18890.1.A1_at	21.53	---	E2F3
Bt.22474.1.S1_at	20.21	LOC505632	MARCO
Bt.2408.1.S1_at	20.10	CCL2	CCL2
Bt.24341.1.S1_at	20.03	TSPAN2	TSPAN2
Bt.5229.1.S1_at	19.95	SERPINE1	SERPINE1
Bt.25448.1.A1_at	19.73	---	FLJ34389
Bt.17885.1.A1_at	19.73	FOSL1	FOSL1
Bt.13542.1.S1_at	19.68	CFB	BF
Bt.86.1.S1_at	19.56	SERPINF2	SERPINF2
Bt.5847.1.S1_at	19.44	GPD2	GPD2
Bt.5538.1.S1_at	19.17	UGDH	UGDH
Bt.16478.1.A1_at	18.94	PTGS2	PTGS2
Bt.19160.1.A1_at	18.66	LOC534929	VNN2

Bt.351.1.S1_at	18.62	CORO1A	CORO1A
Bt.13906.1.S1_at	18.56	---	C20orf139
Bt.20286.1.S1_at	18.55	PDE4B	PDE4B
Bt.1333.1.S1_at	18.51	LOC100139857	RYR1
Bt.4946.1.S1_at	18.34	RAC2	RAC2
Bt.23438.1.S1_at	18.30	ANTXR2	ANTXR2
Bt.11080.1.S1_at	18.30	IL2RG	IL2RG
Bt.612.1.S1_at	17.61	GSR	GSR
Bt.1409.1.S1_at	17.53	TPPP3	CGI-38
Bt.23126.1.S1_at	17.52	NOS2A	NOS2A
Bt.982.1.S1_at	17.42	SERPINA1	SERPINA1
Bt.209.3.S1_at	17.39	LYZ	LYZ
Bt.14005.1.S1_at	17.22	CD53	CD53
Bt.15788.1.S1_a_at	17.18	LOC507402	---
Bt.20288.1.S1_at	17.04	NFKB2	NFKB2
Bt.8318.1.S1_at	17.03	CD276	B7H3
Bt.11166.1.S1_at	17.01	---	---
Bt.632.1.S1_s_at	16.85	TIMP1	TIMP1
Bt.8798.2.S1_at	16.84	ALDH1A3	ALDH1A3
Bt.12218.1.A1_at	16.63	---	KCNB1
Bt.8798.1.S1_at	16.61	ALDH1A3	ALDH1A3
Bt.2129.2.S1_at	16.61	---	CSPG2
Bt.8897.1.S1_at	16.58	C20orf114	C20orf114
Bt.16521.2.A1_at	16.55	PION	LOC54103
Bt.6597.2.S1_a_at	16.53	LGALS3BP	LGALS3BP
Bt.4898.1.S1_at	16.48	BASP1	BASP1
Bt.784.1.A1_at	16.44	SLA	SLA
Bt.16340.1.A1_at	16.39	FLJ32810	FLJ32810
Bt.3841.1.S1_at	16.36	CD83	CD83
Bt.17571.1.A1_at	16.27	SPI1	SPI1
Bt.6963.1.A1_at	16.06	EVI2B	EVI2B
Bt.6597.1.S1_at	15.96	LGALS3BP	LGALS3BP
Bt.17537.1.A1_at	15.94	SAA4	SAA4
Bt.8939.1.S1_at	15.92	TYROBP	TYROBP
Bt.1694.1.S1_at	15.85	TACSTD2	TACSTD2
Bt.1411.1.S1_at	15.80	FMNL3	FMNL3
Bt.24568.1.A1_at	15.55	KLK10	KLK10
Bt.19352.1.A1_at	15.42	---	KPNA3
Bt.19406.1.A1_at	15.31	---	BCL2A1
Bt.17672.1.S1_at	15.27	ARHGEF2	ARHGEF2
Bt.8496.1.S1_at	15.01	GMPPB	GMPPB
Bt.19592.1.A1_at	14.94	AQP9	AQP9
Bt.5372.1.S1_at	14.79	ICAM1	ICAM1
Bt.557.1.S1_at	14.62	SLC1A1	SLC1A1
Bt.22233.1.A1_at	14.53	---	STX6
Bt.24441.1.S1_at	14.52	---	KIR2DS5
Bt.22692.1.A1_at	14.47	IL6R	IL6R
Bt.3941.1.S1_at	14.37	IL2RA	IL2RA
Bt.865.1.S1_at	14.32	ARHGAP30	LOC257106
Bt.12645.1.S1_at	14.29	RAB15	RAB15
Bt.20276.1.S1_at	14.29	MBOAT1	OACT1
Bt.18444.1.A1_at	14.22	LOC538492	C9orf4
Bt.4930.1.S1_at	14.20	---	RNF41
Bt.19382.1.S1_at	14.13	---	PAG
Bt.15554.1.A1_at	14.09	---	---
Bt.16564.1.A1_at	14.07	---	HCLS1

Bt.17195.1.A1_at	14.01	---	EIF4E
Bt.9351.1.S1_at	13.82	NFAM1	NFAM1
Bt.29552.1.A1_at	13.80	---	---
Bt.16521.1.S1_at	13.78	PION	LOC54103
Bt.20549.1.S1_at	13.73	RGS19	RGS19
Bt.22200.1.S1_at	13.66	---	IGSF3
Bt.22360.1.S1_at	13.62	---	BIRC1
Bt.25110.1.A1_at	13.56	---	HIF1A
Bt.22079.1.A1_at	13.47	---	IL1RAP
Bt.12761.1.A1_at	13.32	ITGA2	ITGA2
Bt.28610.1.S1_at	13.28	---	---
Bt.3551.1.S1_at	13.22	C13H20ORF59	C20orf59
Bt.27240.1.A1_at	13.19	SLCO4A1	SLCO4A1
Bt.25839.1.A1_at	13.11	---	---
Bt.24247.1.S1_at	13.03	---	IL10RA
Bt.28624.1.S1_at	13.01	SAMD9	SAMD9
Bt.17669.1.S1_a_at	12.96	RELB	RELB
Bt.10884.1.S1_at	12.93	---	CDK6
Bt.1472.1.S1_at	12.90	IKBKE	IKBKE
Bt.10884.2.S1_at	12.83	---	CDK6
Bt.154.1.S1_at	12.78	CCL8	CCL8
Bt.5970.1.S1_a_at	12.77	S100A2	S100A2
Bt.22854.1.S1_at	12.75	CA2	CA2
Bt.13834.1.S1_at	12.72	TFRC	TFRC
Bt.17926.1.A1_at	12.69	CTSB	CTSB
Bt.15957.1.S1_at	12.69	---	MX2
Bt.26231.1.S1_at	12.68	---	ITGAX
Bt.3923.1.S1_at	12.68	C1H21ORF63	C21orf63
Bt.24675.1.S1_at	12.52	PIK3R5	PIK3R5
Bt.21717.1.S1_at	12.44	LOC789767 /// VAV1	VAV1
Bt.28561.1.S1_at	12.35	MAP3K8	MAP3K8
Bt.1847.1.S1_at	12.16	---	SIGLEC5
Bt.8820.1.S1_at	12.15	HCLS1	HCLS1
Bt.27082.1.S1_at	12.13	---	ZDHHC2
Bt.23169.1.S1_at	12.09	LOC782991 /// SIRPA	PTPNS1
Bt.9972.1.S1_at	12.09	ITGB6	ITGB6
Bt.15822.1.S1_at	12.04	FGR	FGR
Bt.612.2.S1_at	11.95	GSR	GSR
Bt.9791.1.S1_at	11.84	PPIF	PPIF
Bt.26851.1.S1_at	11.80	DRAM	FLJ11259
Bt.15702.1.S1_at	11.73	TMEM51	FLJ10199
Bt.17732.1.A1_at	11.72	ZNF668	FLJ13479
Bt.18623.1.A1_at	11.66	MAPRE2	MAPRE2
Bt.611.1.S2_at	11.62	CXCL2	CXCL2
Bt.22179.1.S1_at	11.61	LOC507126	C1orf38
Bt.9437.1.S1_at	11.58	---	TLR4
Bt.4675.1.S1_a_at	11.46	MX1	MX1
Bt.16048.1.S1_at	11.45	SRGN	PRG1
Bt.15751.1.S1_at	11.39	AMPD2	AMPD2
Bt.24354.1.S1_at	11.34	LOC514170	CSTB
Bt.632.1.S1_at	11.31	TIMP1	TIMP1
Bt.17173.1.A1_at	11.17	---	NR4A3
Bt.18855.1.A1_at	11.07	---	---
Bt.10185.1.S1_at	11.00	THEM4	CTMP
Bt.28116.1.S1_at	11.00	LOC511953	TRIM16
Bt.28700.1.S1_at	10.83	PQLC3	C2orf22

Bt.18469.1.S1_at	10.79	LOC784517	SLC7A3
Bt.13765.1.S1_at	10.69	---	MGC14376
Bt.22045.1.S1_at	10.63	STEAP2	STEAP2
Bt.10212.1.S1_at	10.54	PHLDA1	PHLDA1
Bt.72.1.S1_at	10.53	MMP1	MMP1
Bt.7082.1.S1_at	10.51	---	---
Bt.23227.1.S1_at	10.45	---	MAD
Bt.366.2.S2_a_at	10.42	CSF1	CSF1
Bt.12500.2.S1_a_at	10.35	LCP1	LCP1
Bt.526.1.S1_at	10.30	PROCR	PROCR
Bt.12967.1.A1_s_at	10.28	CDH16	CDH16
Bt.17518.1.S1_at	10.23	---	GPD2
Bt.4018.1.S1_at	10.18	ARRB1	ARRB1
Bt.20798.1.S1_at	10.11	---	---
Bt.6980.1.S1_at	10.04	SLAMF7	SLAMF7
Bt.17939.1.S1_at	10.03	LMNB1	LMNB1
Bt.22472.1.S1_at	9.96	CREM	CREM
Bt.16445.1.A1_at	9.90	LOC618444	FLJ20245
Bt.2408.1.S1_s_at	9.88	CCL2	CCL2
Bt.17810.1.S1_a_at	9.87	RBP1	RBP1
Bt.19999.1.A1_at	9.80	FICD	HYPE
Bt.9594.1.S1_at	9.76	---	FLJ40342
Bt.21482.2.S1_at	9.73	PRDM1	PRDM1
Bt.4067.1.S1_at	9.71	MARCKS	MARCKS
Bt.12177.1.S1_at	9.71	CLDN4	CLDN4
Bt.9625.1.S1_at	9.70	SPINK4	SPINK4
Bt.11951.1.A1_at	9.69	LRRC8E	FLJ23420
Bt.22022.1.A1_at	9.68	LOC511424	FLJ11017
Bt.22362.1.S1_at	9.63	SH3KBP1	SH3KBP1
Bt.5238.1.S1_at	9.59	CHI3L1	CHI3L1
Bt.18509.1.A1_at	9.58	---	---
Bt.5050.1.A1_at	9.54	CDH16	CDH16
Bt.13604.1.S1_at	9.53	ADAM19	ADAM19
Bt.15675.1.S1_at	9.41	ADAMTS4	ADAMTS4
Bt.12756.1.S1_at	9.29	TNF	TNF
Bt.4474.2.S1_a_at	9.27	DBNDD2	C20orf35
Bt.29129.1.S1_at	9.25	AGR2	AGR2
Bt.21773.1.A1_at	9.22	GBP5	GBP5
Bt.20276.2.A1_at	9.20	MBOAT1	OACT1
Bt.100.1.S1_at	9.20	ADRB2	ADRB2
Bt.7547.1.S1_at	9.18	---	TAL2
Bt.3774.1.A1_at	9.16	RND1	RND1
Bt.3964.1.S1_at	9.15	SLC2A3	SLC2A3
Bt.16467.1.S1_at	9.09	KLHL8	KLHL8
Bt.25649.1.A1_at	9.09	ERAP2	LRAP
Bt.21866.1.S1_at	9.06	---	---
Bt.982.1.S1_a_at	9.04	SERPINA1	SERPINA1
Bt.4140.1.S1_at	8.98	CYBA	CYBA
Bt.25462.1.S1_at	8.98	CDK6	CDK6
Bt.3485.1.S1_at	8.95	MANSC1	MANSC1
Bt.3406.1.S1_at	8.90	ELF3	ELF3
Bt.4615.1.S1_at	8.90	ITGB2	ITGB2
Bt.28429.1.S1_at	8.81	---	FKBP14
Bt.8190.1.S1_at	8.80	---	STAU2
Bt.26397.1.A1_at	8.79	---	ARRB1
Bt.22116.1.A1_at	8.77	IL18BP	IL18BP



Bt.5259.1.S1_at	8.75	XAF1	HSXIAPAF1
Bt.1052.1.A1_at	8.71	CH25H	CH25H
Bt.18643.2.S1_at	8.68	CFLAR	CFLAR
Bt.23964.1.S1_at	8.67	MED24	THRAP4
Bt.13410.1.S1_at	8.66	RPS6KA3	RPS6KA3
Bt.13710.3.S1_a_at	8.65	PGS1	PGS1
Bt.27676.1.S1_at	8.52	OTUB2	OTUB2
Bt.28208.1.S1_at	8.50	FBP2	FBP2
Bt.1647.1.S1_at	8.44	CRYGS	CRYGS
Bt.2110.1.S1_at	8.41	DPP3	DPP3
Bt.5183.2.S1_at	8.39	TUBA4A	TUBA1
Bt.20673.1.A1_at	8.35	LOC786156	CCL8
Bt.16018.1.S2_at	8.35	CASP4	CASP4
Bt.28588.2.A1_a_at	8.34	CD244	CD244
Bt.18643.1.A1_at	8.33	---	---
Bt.3319.1.A1_at	8.33	MORN4	C10orf83
Bt.23174.2.S1_at	8.32	CLIC1	CLIC1
Bt.12875.1.S1_at	8.31	EMP3	EMP3
Bt.9760.1.S1_at	8.30	GJA3 /// GJB6	GJB2
Bt.18889.1.S1_at	8.29	LAT2	WBSCR5
Bt.8781.1.S1_at	8.29	GFPT2	GFPT2
Bt.19083.1.S1_at	8.24	ANKRD22	ANKRD22
Bt.9679.1.S1_at	8.21	LOC785058	KAL1
Bt.5373.1.S1_at	8.19	SLC11A1	SLC11A1
Bt.7576.1.S1_at	8.16	---	B3GNT5
Bt.20548.1.S1_at	8.15	N4BP1	N4BP1
Bt.9722.1.S1_at	8.09	LOC528939	---
Bt.6817.1.S1_at	8.07	---	TNFRSF1B
Bt.9792.1.S1_at	8.06	ARRDC4	ARRDC4
Bt.10933.1.S1_at	8.06	FYB	FYB
Bt.20899.1.A1_at	8.04	---	---
Bt.5897.2.S1_at	8.01	UBD	UBD
Bt.2905.1.S1_at	7.98	NDRG2	NDRG2
Bt.8308.2.S1_at	7.96	NRP2	NRP2
Bt.16018.1.S1_a_at	7.95	CASP4	CASP4
Bt.17467.1.S1_at	7.94	---	EMB
Bt.24335.1.S1_at	7.93	DAPP1	DAPP1
Bt.2183.1.A1_at	7.93	HEXB	HEXB
Bt.28275.1.S1_at	7.88	MICALL2	MICAL-L2
Bt.15850.1.S1_at	7.80	PGA5	PGA4 PGA3 PGA5
Bt.4585.1.S1_at	7.78	ACAT2	ACAT2
Bt.6557.1.S1_at	7.77	GPSM3	GPSM3
Bt.11075.1.S1_at	7.74	MREG	FLJ10116
Bt.1187.1.S1_at	7.73	PPP1R15A	PPP1R15A
Bt.12745.1.A1_at	7.70	ANTXR2	ANTXR2
Bt.18740.2.S1_at	7.68	GDAP2	GDAP2
Bt.23504.1.A1_at	7.64	SULF2	SULF2
Bt.22849.1.S1_at	7.63	---	GARNL4
Bt.2314.1.S1_at	7.57	SELL	SELL
Bt.23499.1.S1_at	7.57	GYS1	GYS1
Bt.24467.1.S1_at	7.56	RSAD2	RSAD2
Bt.24555.1.S1_at	7.50	JARID2	JARID2
Bt.10942.1.S1_at	7.49	KIAA1949	KIAA1949
Bt.8137.1.S2_at	7.42	AATK	SOCS3
Bt.471.1.S1_at	7.40	THBD	THBD
Bt.14200.1.A1_at	7.39	MT1E	MT1A

Bt.16123.2.S1_a_at	7.37	SGK1	SGK
Bt.5494.1.S1_at	7.36	CD44	CD44
Bt.18643.1.A1_a_at	7.36	---	---
Bt.4884.1.S1_at	7.36	RILPL2	MGC7036
Bt.132.1.S1_at	7.36	DEFB1	DEFB4
Bt.13789.1.A1_at	7.35	CD14	CD14
Bt.7322.1.S1_at	7.34	---	BRWD3
Bt.29017.1.A1_at	7.28	---	USP15
Bt.3880.1.S1_at	7.25	MARCKSL1	MARCKSL1
Bt.16925.1.A1_at	7.24	STEAP1	STEAP
Bt.6057.1.S1_at	7.23	VWA1	WARP
Bt.17090.1.S1_at	7.10	---	DKFZp434M202
Bt.17755.1.A1_at	7.09	DSE	SART2
Bt.24981.1.S1_at	7.07	MTHFS	MTHFS
Bt.27694.1.S1_at	7.03	SRD5A1	SRD5A1
Bt.27361.1.A1_at	7.00	TNFRSF6B	TNFRSF6B
Bt.10831.1.S1_at	6.99	LYN	LYN
Bt.11184.1.S1_at	6.98	SFXN4	SFXN4
Bt.5774.1.S1_at	6.95	ETS2	ETS2
Bt.19072.1.A1_at	6.95	---	CTSC
Bt.8308.1.A1_at	6.90	NRP2	NRP2
Bt.9391.1.A1_at	6.90	BIRC3	BIRC2
Bt.4541.2.S1_a_at	6.85	PPM1M	FLJ32332
Bt.19482.1.A1_at	6.82	TFRC	TFRC
Bt.28798.1.A1_at	6.82	ANKRD22	ANKRD22
Bt.26157.1.A1_at	6.81	GPR77	---
Bt.10831.2.S1_at	6.81	LYN	LYN
Bt.11230.1.S1_at	6.81	AGPAT9	MGC11324
Bt.21877.1.S1_at	6.80	---	PIGF
Bt.5144.1.S1_at	6.77	ELOVL1	ELOVL1
Bt.19809.2.A1_at	6.76	BDKRB2	TRAF3
Bt.26041.1.A1_at	6.73	---	LOC90355
Bt.9925.1.S1_at	6.71	---	---
Bt.29542.1.A1_at	6.64	LIN37	GPR43
Bt.20096.2.S1_a_at	6.63	FXYD5	FXYD5
Bt.7606.1.S1_at	6.63	GMIP	GMIP
Bt.14032.1.S1_at	6.62	---	DCBLD1
Bt.18165.1.A1_at	6.61	MAPK6	MAPK6
Bt.27231.1.S1_at	6.60	MAFG	MAFG
Bt.9030.1.S1_at	6.59	TLR4	TLR4
Bt.27564.1.A1_at	6.58	LGP2	LGP2
Bt.28285.1.S1_a_at	6.58	---	PLAGL2
Bt.4013.1.S1_at	6.58	PAFAH2	PAFAH2
Bt.22395.1.S1_at	6.56	XPR1	XPR1
Bt.1774.1.S1_at	6.55	MYO9B	MYO9B
Bt.8015.3.A1_at	6.49	---	ACSL4
Bt.19623.1.S1_at	6.48	EVI2B	EVI2B
Bt.16337.1.A1_at	6.46	IER5	IER5
Bt.21054.1.A1_at	6.46	PDE8A	PDE8A
Bt.1740.1.S1_at	6.44	CRELD2	MGC11256
Bt.5534.1.S1_at	6.40	TXNRD1	TXNRD1
Bt.25996.1.A1_at	6.40	LOC509089	C20orf123
Bt.8592.1.S1_a_at	6.34	PABPC1L	C20orf119
Bt.17644.1.A1_at	6.34	MGC143392	MGC10946
Bt.25087.1.A1_at	6.32	PIGF	RHOQ
Bt.16467.2.A1_at	6.32	KLHL8	KLHL8

Bt.5183.1.S1_at	6.29	TUBA4A	TUBA1
Bt.13737.1.S1_at	6.28	GALK2	GALK2
Bt.27841.1.A1_at	6.28	LOC614088	LOC441369
Bt.1071.1.S1_a_at	6.27	TP53I3	TP53I3
Bt.18845.1.A1_at	6.25	---	---
Bt.18111.1.A1_at	6.24	---	---
Bt.15798.1.S1_at	6.23	PVR	PVR
Bt.18309.1.A1_at	6.22	SLC39A10	SLC39A10
Bt.27358.2.S1_at	6.22	TREML2	TREML2
Bt.2657.1.S1_a_at	6.20	FERMT3	URP2
Bt.4049.1.S1_at	6.19	ARMCX6	ARMCX6
Bt.9580.1.S1_at	6.17	---	ARSF
Bt.21098.3.S1_at	6.17	TMLHE	TMLHE
Bt.7035.1.S1_at	6.16	---	LMNB2
Bt.4018.1.S2_at	6.12	UBQLN3	ARRB1
Bt.20942.1.S1_at	6.10	---	PIK3AP1
Bt.7963.1.S1_at	6.05	EHD1	EHD1
Bt.20146.1.S1_at	6.04	ATP2B4	ATP2B4
Bt.17136.1.A1_at	6.05	---	---
Bt.10398.1.S1_at	6.04	PTX3	PTX3
Bt.1484.1.S1_at	6.04	GALNT2	GALNT2
Bt.14031.1.S1_at	6.04	SDC4	SDC4
Bt.14029.1.S1_at	6.02	CSGALNACT2	GALNACT-2
Bt.15484.2.A1_at	6.00	MATN4	SLPI
Bt.27288.1.S1_at	5.99	---	ZNF658
Bt.22646.1.S1_at	5.98	RFX5	RFX5
Bt.28243.1.S1_a_at	5.95	VNN1	VNN1
Bt.12801.1.S1_at	5.94	ALOX15B	ALOX15B
Bt.17614.2.A1_at	5.94	RBM25	RBM25
Bt.5445.2.A1_at	5.91	TUBB2A	TUBB2
Bt.25087.3.S1_at	5.88	LOC100139988	RHOQ
Bt.13553.2.S1_at	5.86	SPCS3	SPCS3
Bt.17849.1.A1_at	5.84	SORL1	SORL1
Bt.4303.1.S1_at	5.82	ADA	ADA
Bt.20419.2.S1_a_at	5.82	---	RAC2
Bt.5829.1.S1_at	5.82	PPAP2C	PPAP2C
Bt.20165.2.S1_at	5.81	MGC139367	---
Bt.17849.2.S1_at	5.81	SORL1	SORL1
Bt.13198.1.S1_at	5.81	LOC782991 /// SIRPA	PTPNS1
Bt.12745.3.S1_at	5.80	ANTXR2	ANTXR2
Bt.17444.1.S1_at	5.78	---	RASA2
Bt.10236.1.S1_at	5.77	ARMET	ARMET
Bt.18251.2.A1_at	5.74	LOC505766	BMP2K
Bt.29296.1.S1_at	5.70	---	SEC23B
Bt.3809.1.S1_at	5.70	LDHA	LDHA
Bt.4635.1.S1_at	5.70	CNN2	CNN2
Bt.4106.1.S1_at	5.70	F3	F3
Bt.4317.1.S1_at	5.70	GPX1	GPX1
Bt.8945.1.S1_at	5.69	TLR2	TLR2
Bt.21539.1.S1_at	5.68	FAM49B	FAM49B
Bt.8227.1.S1_at	5.67	NFKBIZ	NFKBIZ
Bt.24262.1.S1_at	5.66	---	---
Bt.21013.1.S1_at	5.63	PLK3	PLK3
Bt.26150.1.A1_at	5.63	L2HGDH	C14orf160
Bt.21800.1.S1_at	5.62	SEC24D	SEC24D
Bt.5432.1.S1_at	5.61	TNIP1	TNIP1

Bt.28543.1.A1_at	5.61	KCNN4	KCNN4
Bt.22740.1.A1_at	5.59	C1GALT1	C1GALT1
Bt.13670.1.S2_at	5.58	ALPL	ALPL
Bt.1736.1.A1_at	5.57	SOCS1	SOCS1
Bt.27393.1.A1_at	5.57	C10orf132	C10orf132
Bt.29789.1.S1_at	5.54	ST6GAL1	---
Bt.16983.1.S1_at	5.54	TRIM6-TRIM34	TRIM5
Bt.1027.1.S1_at	5.54	PRKCD	PRKCD
Bt.21603.2.S1_at	5.53	RNF121	RNF121
Bt.19349.1.A1_at	5.52	---	GOLGA4
Bt.24919.1.S1_at	5.52	---	NTN1
Bt.8790.1.S1_at	5.50	SLC43A2	SLC43A2
Bt.9947.1.S1_at	5.49	SNN	SNN
Bt.16114.1.S1_at	5.49	---	C2GNT3
Bt.5590.2.S1_at	5.48	PTPN2	PTPN2
Bt.3887.1.S1_at	5.48	STX2	EPIM
Bt.26286.1.A1_at	5.46	---	BMP1
Bt.12295.1.S1_at	5.44	PDPN	T1A-2
Bt.278.1.S1_at	5.44	SAA3	SAA3P
Bt.4342.1.S1_at	5.43	SELP	SELP
Bt.6146.1.S1_at	5.41	---	KIF21B
Bt.5037.1.S2_at	5.41	ASH1L	S100A10
Bt.26567.1.S1_at	5.41	AP4S1	AP4S1
Bt.13670.1.S1_at	5.40	ALPL	ALPL
Bt.5170.1.S1_at	5.39	GRHPR	GRHPR
Bt.4915.1.S1_at	5.37	COTL1	COTL1
Bt.461.1.S1_at	5.37	ARF4	ARF2
Bt.2641.1.S1_at	5.37	RAB27A	RAB27A
Bt.7008.1.S1_at	5.37	JARID2	JARID2
Bt.15886.1.S1_at	5.36	ACSL5	ACSL5
Bt.29416.1.A1_at	5.36	---	RNF128
Bt.9083.1.S1_at	5.31	TRAF1	TRAF1
Bt.26983.1.S1_at	5.29	CASP1	CASP1
Bt.1024.2.S1_at	5.29	C27H8ORF41	FLJ23263
Bt.26829.1.S1_at	5.26	ME1	ME1
Bt.9129.1.S1_at	5.25	---	JMJD3
Bt.23659.1.S1_at	5.25	SLC1A1	SLC1A1
Bt.14022.1.S1_at	5.24	---	RNF121
Bt.11088.1.S1_a_at	5.23	CD97	CD97
Bt.13553.1.S1_at	5.22	SPCS3	SPCS3
Bt.17000.2.S1_at	5.21	PRRC1	LOC133619
Bt.231.1.S1_at	5.21	TXN	TXN
Bt.15529.1.S1_at	5.20	ZC3HAV1	ZC3HAV1
Bt.3988.1.S1_at	5.19	TSPO	BZRP
Bt.23135.1.S1_at	5.18	TAGLN2	TAGLN2
Bt.7318.1.S1_at	5.17	TDG	TDG
Bt.9313.1.S1_at	5.15	LOC509263	FLJ20584
Bt.12885.1.S1_at	5.14	ACY1 /// LOC790609	ACY1
Bt.5774.2.S1_at	5.12	ETS2	ETS2
Bt.20220.1.S1_at	5.09	---	E2F2
Bt.24228.1.S1_at	5.07	LOC504309	---
Bt.29516.1.S1_at	5.07	---	DKFZp564J157
Bt.4067.1.S1_a_at	5.07	MARCKS	MARCKS
Bt.14367.1.A1_at	5.07	UGT2A3	FLJ21934
Bt.9630.1.S1_at	5.06	TMPRSS2	TMPRSS2
Bt.20832.1.S1_at	5.02	---	FOXA1

Bt.2641.2.S1_at	5.02	RAB27A	RAB27A
Bt.26417.1.A1_at	5.00	---	APG5L
Bt.5499.1.S1_at	4.99	CAPG	CAPG
Bt.17846.1.A1_at	4.99	---	RET GALNACT-2
Bt.4261.1.S1_at	4.99	TWF2 /// WDR82	PTK9L
Bt.13873.2.S1_at	4.99	---	LPGAT1
Bt.1963.1.S1_at	4.98	GMPPA	GMPPA
Bt.12196.1.S1_at	4.98	PTPRC	PTPRC
Bt.24660.1.S1_at	4.98	---	PRO1855
Bt.8820.2.S1_at	4.98	HCLS1	HCLS1
Bt.23123.1.S1_at	4.97	BHLHB2	BHLHB2
Bt.23000.2.S1_a_at	4.96	TBC1D2B	KIAA1055
Bt.16930.1.A1_at	4.96	BCL3	BCL3
Bt.6322.1.S1_at	4.95	---	SPCS3
Bt.28194.1.S1_at	4.95	GSTO1	GSTO1
Bt.17311.2.S1_at	4.95	RP2	RP2
Bt.17444.2.A1_at	4.92	---	RASA2
Bt.5493.1.S1_at	4.92	S100A4	S100A4
Bt.1536.1.A1_at	4.92	NFKBIE	NFKBIE
Bt.21342.1.S1_at	4.91	S100A14	S100A14
Bt.17703.2.A1_at	4.91	SLC15A2	EAF2 SLC15A2
Bt.28914.1.A1_at	4.90	RP2	RP2
Bt.10077.1.S3_at	4.90	IRF1	IRF1
Bt.9632.2.S1_at	4.90	DMBT1	DMBT1
Bt.15828.1.S1_at	4.89	TRIB1	TRIB1
Bt.5771.1.S1_at	4.88	---	FMO4
Bt.6556.1.S1_at	4.88	LOC504773	CCL11
Bt.24932.1.A1_at	4.88	STYX	STYX
Bt.27200.1.S1_at	4.88	RPS6KA1	RPS6KA1
Bt.21170.1.A1_at	4.86	RASA2	RASA2
Bt.7578.1.S1_at	4.86	---	KIAA1727
Bt.13318.2.S1_a_at	4.86	PRR13	DKFZp564J157
Bt.21015.1.S1_at	4.86	CRAT	CRAT
Bt.28534.1.A1_at	4.85	PLEK2	PLEK2
Bt.29409.1.S1_at	4.83	---	MGC19780
Bt.29928.1.S1_at	4.82	---	SSH2
Bt.24884.1.A1_at	4.80	---	CSF2RA
Bt.9211.1.S1_at	4.78	APBB1IP	APBB1IP
Bt.22480.1.A1_at	4.77	SLC35E3	SLC35E3
Bt.2990.1.S1_at	4.77	SLCO2A1	SLCO2A1
Bt.5037.1.S1_at	4.76	S100A10	S100A10
Bt.6149.1.S1_at	4.76	HYOU1	HYOU1
Bt.22637.1.S1_at	4.74	---	CTSC
Bt.22080.1.S1_at	4.74	MGC155285	FLJ14834
Bt.17465.1.S1_at	4.74	RHBDL2	RHBDL2
Bt.1476.1.S1_at	4.74	---	ADRA2A
Bt.9841.1.S1_at	4.73	---	VMP1
Bt.21995.1.S1_at	4.73	RNF123	GMPPB
Bt.19999.2.S1_at	4.72	FICD	HYPE
Bt.23098.1.S1_at	4.72	QSOX1	QSCN6
Bt.6984.2.S1_a_at	4.72	ME2	ME2
Bt.2898.2.S1_a_at	4.72	GNL3L	GNL3L
Bt.20979.1.S1_at	4.71	---	MYO6
Bt.21134.1.S1_at	4.71	---	GNPDA1
Bt.4718.1.S1_at	4.70	PCTP	PCTP
Bt.13484.1.A1_at	4.70	PPP1R3C	PPP1R3C

Bt.18452.1.A1_at	4.69	OSGIN1	---
Bt.17765.1.S1_at	4.69	---	CCDC10
Bt.8486.2.S1_at	4.69	TNIK	TNIK
Bt.28456.1.S1_at	4.69	LOC407195	K-ALPHA-1
Bt.28481.1.A1_at	4.68	---	FLJ20298
Bt.5092.1.S1_at	4.68	LOC617264 /// LOC782907 /// PRDX3	MTAP
Bt.6386.1.A1_at	4.67	TMEM79	MGC13102
Bt.13728.1.S1_at	4.66	SOAT1	SOAT1
Bt.5717.1.S1_at	4.65	C9H6ORF115	C6orf115
Bt.8022.1.S1_at	4.65	CTSC	CTSC
Bt.5604.1.A1_at	4.65	---	---
Bt.9081.1.S1_at	4.65	C3H1orf149	SCLY
Bt.22009.2.S1_a_at	4.63	CXCL16	CXCL16
Bt.25031.1.S1_at	4.64	NAV3	NAV3
Bt.12030.2.S1_at	4.62	ACTN4	ACTN4
Bt.7625.1.S1_a_at	4.62	NCF4	NCF4
Bt.4474.1.S1_at	4.62	DBNDD2	C20orf35
Bt.4307.1.S1_at	4.60	RHOG	RHOG
Bt.22162.1.S1_at	4.60	---	GLB1
Bt.9533.1.S1_at	4.60	---	JMJD3
Bt.21801.2.S1_at	4.59	HNRNPL	HNRPL
Bt.2506.1.S1_at	4.59	DKK3	DKK3
Bt.11075.2.S1_at	4.57	MREG	FLJ10116
Bt.1556.1.S1_at	4.56	HRSP12	HRSP12
Bt.5206.1.S1_at	4.56	KIAA0141	KIAA0141
Bt.9571.2.S1_a_at	4.56	RBM3	RBM3
Bt.3448.3.S1_at	4.54	MAPK6	MAPK6
Bt.21831.1.S1_at	4.53	IL4R	IL4R
Bt.9027.1.S1_at	4.53	NFKBIA	NFKBIA
Bt.4588.1.S1_at	4.53	PLEKHO2	pp9099
Bt.26735.1.S1_at	4.52	SLC46A2	TSCOT
Bt.5472.1.S1_at	4.51	LGALS1	LGALS1
Bt.13850.3.S1_a_at	4.51	LYPLA1	LYPLA1
Bt.19462.1.A1_at	4.49	MRM1	MRM1
Bt.22773.1.S1_at	4.49	SLC25A19	SLC25A19
Bt.24763.1.A1_at	4.45	ZFAND2A	LOC401296
Bt.797.1.S1_at	4.45	HVCN1	MGC15619
Bt.26691.1.S1_a_at	4.43	TNFSF13	TNFSF13
Bt.21563.1.S1_at	4.43	LOC520730	KIBRA
Bt.21803.1.A1_at	4.42	NT5C3	NT5C3
Bt.21055.1.S1_at	4.42	MKNK1	MKNK1
Bt.16350.2.A1_s_at	4.41	GBP5	GBP5
Bt.12506.1.S1_at	4.41	SERPINE2	SERPINE2
Bt.13553.2.S1_a_at	4.41	SPCS3	SPCS3
Bt.16387.2.A1_at	4.40	DNAJC24	ZCSL3
Bt.5432.3.S1_at	4.40	TNIP1	TNIP1
Bt.103.1.S1_at	4.39	BPI	BPI
Bt.17765.2.A1_at	4.39	---	---
Bt.27.1.S1_at	4.39	YWHAG	YWHAG
Bt.2849.1.S1_at	4.38	---	SLC7A11
Bt.7588.1.A1_at	4.38	---	LCP1
Bt.16382.1.A1_at	4.38	CALCRL	CALCRL
Bt.16821.2.S1_at	4.38	---	LOC116441
Bt.18774.1.A1_at	4.38	---	---
Bt.4957.1.S2_at	4.34	MYO1C	MYO1C MYO1E

Bt.20659.1.S1_at	4.33	---	CYBB
Bt.12144.2.S1_a_at	4.33	---	SRPRB
Bt.18547.1.A1_at	4.33	---	SRrp35 PNRC1 GABRR1  ACY1L2
Bt.28646.1.S1_at	4.32	LOC614655	D15Wsu75e
Bt.22508.1.S1_at	4.32	PRAF2	PRAF2
Bt.22389.1.S1_at	4.31	SHISA2	LOC387914
Bt.25329.1.S1_at	4.31	TMEM41B	LOC440026
Bt.26130.1.A1_at	4.30	---	USP2
Bt.20762.2.S1_at	4.30	CLLD6	C13orf1
Bt.1240.1.S1_at	4.29	DNASE2	DNASE2
Bt.6837.1.S1_a_at	4.28	RFFL	RFFL
Bt.21482.1.A1_at	4.28	---	PRDM1
Bt.1993.3.A1_a_at	4.26	HISPPD1	KIAA0433
Bt.29263.1.S1_at	4.24	METTL11A	AD-003
Bt.29148.1.A1_at	4.23	LOC530325	SPPL2A
Bt.870.1.S1_at	4.22	ASB5	ASB5
Bt.12745.2.A1_at	4.21	ANTXR2	ANTXR2
Bt.22857.1.S2_at	4.21	TRIB2	TRIB2
Bt.20111.1.S1_at	4.21	TNFRSF12A	TNFRSF12A
Bt.22651.1.A1_at	4.21	SLC39A10	SLC39A10
Bt.14669.1.A1_at	4.19	---	---
Bt.7780.1.S1_at	4.19	LTF	LTF
Bt.6261.1.S1_at	4.19	CA12	CA12
Bt.1059.1.S1_at	4.18	ATP2A2	ATP2A2
Bt.2070.1.A1_at	4.18	DUSP10	DUSP10
Bt.16356.1.S1_at	4.18	ENTPD3	ENTPD3
Bt.29526.1.A1_at	4.18	CA8	CA8
Bt.21286.1.S1_at	4.17	---	MAML3
Bt.19107.1.S1_at	4.16	---	VPS54 UGP2
Bt.1770.2.A1_at	4.16	PXDN	D2S448
Bt.16661.1.A1_at	4.16	BAZ1A	BAZ1A
Bt.3448.1.S1_at	4.16	MAPK6	MAPK6
Bt.3051.1.S1_at	4.16	PHLDA1	PHLDA1 NAP1L1
Bt.272.1.S1_at	4.16	PIM1	PIM1
Bt.21482.3.A1_at	4.16	PRDM1	PRDM1
Bt.24447.2.S1_at	4.15	F2RL2	F2RL2
Bt.26249.1.A1_at	4.15	LOC511553	C18orf1
Bt.11164.1.S1_at	4.15	FGD2	FGD2
Bt.21912.1.S1_at	4.15	EIF2C2	EIF2C2
Bt.4558.1.S1_at	4.15	CYBB	CYBB
Bt.19561.1.S1_at	4.15	CD83	CD83
Bt.22726.1.A1_at	4.14	CA8	CA8
Bt.10144.1.A1_s_at	4.14	TIAM1	TIAM1
Bt.18533.1.S1_at	4.13	ATF3	ATF3
Bt.4026.1.S1_at	4.13	SLC39A1	SLC39A1
Bt.21593.2.S1_at	4.12	ABCB7	ABCB7
Bt.3823.1.S1_at	4.12	AVPI1	AVPI1
Bt.8328.1.S1_at	4.12	SLC11A2	SLC11A2
Bt.23128.1.S1_at	4.11	PDIA4	ERP70
Bt.26614.1.S1_at	4.10	LOC509351	CANP
Bt.28321.1.A1_at	4.10	UBXN8	D8S2298E
Bt.19587.1.A1_at	4.10	---	PPP3CA
Bt.8782.1.S1_at	4.07	---	---
Bt.17777.1.S1_at	4.06	OPTN	OPTN
Bt.4541.3.S1_a_at	4.06	PPM1M	FLJ32332

Bt.14098.1.S1_at	4.06	MAPRE2	MAPRE2
Bt.24600.1.S1_at	4.06	AATK	SOCS3
Bt.13118.1.S1_at	4.05	ADAM9	ADAM9
Bt.27234.1.S1_at	4.04	SPINT1	SPINT1
Bt.9105.1.S1_at	4.04	---	NAALAD2
Bt.3120.1.A1_at	4.04	LIPA	LIPA
Bt.23503.1.S1_at	4.04	DOM3Z	DOM3Z
Bt.9828.1.S1_at	4.03	HINT3	HINT3
Bt.7031.1.A1_at	4.03	CRLF3	CRLF3
Bt.11159.1.S1_at	4.03	JUN	JUN
Bt.15882.2.S1_a_at	4.03	SRI	SRI
Bt.9379.1.S1_at	4.03	MAOA	MAOA
Bt.16024.1.S1_at	4.02	---	SEMA4D
Bt.16032.1.S1_at	4.01	ANXA1	ANXA1
Bt.24884.2.S1_at	4.01	---	CSF2RA
Bt.740.1.S1_at	4.01	KIAA1539	KIAA1539
Bt.4902.1.S1_at	4.01	CTSZ	CTSZ
Bt.18740.1.S1_at	4.01	GDAP2	GDAP2
Bt.22148.1.S1_at	4.00	RAP2B	RAP2B
Bt.12927.2.S1_at	3.99	RCC2	TD-60
Bt.28750.1.S1_at	3.99	IL13RA1	IL13RA1
Bt.10893.1.S1_at	3.99	---	GALNAC4S-6ST
Bt.6849.1.S1_at	3.98	---	SEC23B
Bt.15725.1.A1_at	3.98	ACOT7	BACH
Bt.14676.1.S1_at	3.98	PARP14	PARP14
Bt.22803.1.S1_at	3.98	TUBB	TUBB
Bt.28094.1.S1_at	3.98	---	CASP7
Bt.5390.1.S1_at	3.97	MVP	MVP
Bt.3898.1.S1_at	3.97	IDH3A	IDH3A
Bt.7728.2.S1_at	3.98	ST3GAL6	DCBLD2
Bt.25025.1.S1_at	3.97	SLC2A6	SLC2A6
Bt.10230.1.A1_at	3.97	FAR1	MLSTD2
Bt.3566.1.A1_at	3.96	---	RGS2
Bt.14092.1.S1_at	3.96	NUS1	C6orf68
Bt.1457.1.A1_at	3.96	LOC100137734	PILRA
Bt.4578.2.S1_at	3.96	RFC5	RFC5
Bt.13273.1.S1_at	3.94	SOCS2	SOCS2
Bt.19927.1.A1_at	3.92	---	TUSC3
Bt.21002.1.S1_at	3.92	---	DRD5 SLC2A9
Bt.5596.1.A1_at	3.92	SMARCA4	SMARCA4
Bt.20576.1.S1_at	3.92	TCIRG1	TCIRG1
Bt.3541.1.S1_at	3.92	RBMS1	RBMS1
Bt.668.1.S1_at	3.91	PMEPA1	TMEPAI
Bt.15903.1.S1_at	3.91	TPMT	TPMT
Bt.26005.1.A1_at	3.91	CRKRS	CRK7
Bt.16049.1.S1_at	3.91	LAPTM5	LAPTM5
Bt.20409.1.S1_at	3.90	PARP9	PARP9
Bt.6603.1.A1_at	3.89	RAB32	RAB32
Bt.26755.3.S1_a_at	3.88	FKBP15	KIAA0674
Bt.5878.1.A1_at	3.88	SDS	SDS
Bt.3991.1.S1_at	3.87	LOC511889	CENTD2
Bt.4714.1.S1_at	3.87	MMP9	MMP9
Bt.20466.1.A1_at	3.87	---	SELI
Bt.12261.2.S1_at	3.87	TASP1	C20orf13
Bt.3076.1.S1_at	3.86	STX4	STX4A
Bt.234.1.S1_at	3.86	IL18	IL18



Bt.29377.1.S1_at	3.86	VASP	VASP
Bt.7632.1.S1_a_at	3.85	NCKAP1L	HEM1
Bt.4375.1.S1_at	3.85	B4GALT3	B4GALT3
Bt.18689.1.S1_at	3.85	ARSB	ARSB
Bt.3992.1.S1_a_at	3.85	PISD	PISD
Bt.5401.1.S1_at	3.85	TGM2	TGM2
Bt.21221.1.S1_at	3.83	LOC615744	NCR3 LST1
Bt.6697.1.S1_at	3.83	---	AMIGO3
Bt.16123.1.S1_at	3.83	SGK1	SGK
Bt.4763.1.S1_at	3.82	CD247	CD3Z
Bt.17467.2.A1_at	3.81	---	---
Bt.6219.1.S1_at	3.81	NINJ1	NINJ1
Bt.2318.1.A1_at	3.79	---	GCH1
Bt.4773.3.S1_a_at	3.79	ATP6V1A	ATP6V1A
Bt.2173.1.S1_at	3.78	ALDH5A1	ALDH5A1
Bt.2562.1.S1_at	3.78	PDIA3	GRP58
Bt.6465.1.S1_at	3.78	RPL12	CYCS
Bt.3428.1.A1_s_at	3.77	---	SACS
Bt.19263.1.S1_at	3.77	SNX24	SNX24
Bt.9207.1.S1_at	3.77	MSN	MSN
Bt.24504.1.A1_at	3.77	GALNT12	GALNT12
Bt.13053.1.S1_at	3.77	GFPT1	GFPT1
Bt.19845.2.A1_at	3.77	F13A1	F13A1
Bt.6148.1.S1_at	3.76	USP15	STAT6
Bt.8912.1.A1_at	3.77	CUGBP1	CUGBP1
Bt.14624.2.S1_at	3.76	PSMD14	PSMD14
Bt.9599.1.A1_at	3.75	IHPK2	IHPK2
Bt.26722.1.A1_a_at	3.75	---	WDFY4
Bt.723.1.S1_at	3.75	---	GFPT1 LOC388957 HIRIP5
Bt.24605.1.S1_at	3.75	GGT1 /// GGT5	GGTLA1
Bt.25009.1.S1_at	3.73	RDH10	RDH10
Bt.9309.1.A1_at	3.73	NFKB1	NFKB1
Bt.8686.1.S1_at	3.72	HSP90B1	HSP90B1
Bt.5406.1.S1_at	3.70	DENND5A	RAB6IP1
Bt.11599.1.S1_at	3.70	---	SEMA6A
Bt.4219.1.A1_at	3.69	FUZ	AP2A1
Bt.25213.1.A1_at	3.68	LOC784230	SETMAR
Bt.14040.2.A1_at	3.68	ZADH1	ZNF410
Bt.6783.1.A1_at	3.67	DDX46	DDX46
Bt.23654.1.S1_at	3.67	ZC3HAV1	---
Bt.21197.1.A1_at	3.67	---	ACSL6
Bt.411.1.S1_at	3.67	NRG1	NRG1
Bt.14040.1.S1_at	3.65	PTGR2	ZADH1
Bt.8915.1.A1_at	3.65	DHTKD1	DHTKD1
Bt.23969.1.A1_at	3.65	---	MGC54289
Bt.19581.1.A1_at	3.65	MRPS28	MRPS28
Bt.27441.1.S1_at	3.65	C16H1orf116	SARG
Bt.19581.2.S1_at	3.64	MRPS28	MRPS28
Bt.10865.1.S1_at	3.64	---	CTSC
Bt.8750.1.S1_at	3.64	---	EIF2C2
Bt.21962.1.S1_at	3.64	EPDR1	UCC1
Bt.3723.1.S1_at	3.63	CSTF2	CSTF2
Bt.5408.1.A1_at	3.63	UCHL1	UCHL1
Bt.8182.1.S1_at	3.63	MARCH8	MARCH8
Bt.28609.1.A1_at	3.63	---	FLJ21168
Bt.2251.1.S1_at	3.62	PGM3	PGM3

Bt.15808.1.S1_at	3.62	MARCH3	MARCH3
Bt.11413.1.S1_at	3.61	RAB7B	RAB7B
Bt.21999.1.S1_at	3.60	CCDC88A	KIAA1212
Bt.4378.1.S1_at	3.60	ECE1	ECE1
Bt.19833.1.S1_at	3.59	MGC134577	LOC81691
Bt.3548.1.A1_at	3.58	ANP32E	ANP32E
Bt.8823.3.S1_a_at	3.58	C8H9ORF46	C9orf46
Bt.22323.1.A1_a_at	3.57	RASSF5	RASSF5 RASSF3
Bt.22000.1.A1_at	3.57	CYR61	CYR61
Bt.7578.2.S1_at	3.57	---	KIAA1727
Bt.5445.3.A1_at	3.57	TUBB6	TUBB6
Bt.18036.1.A1_at	3.56	---	CFLAR
Bt.28559.1.S1_a_at	3.56	DNASE1L1	DNASE1L1
Bt.11826.1.S1_at	3.55	ZC3HAV1	ZC3HAV1
Bt.20236.1.S1_at	3.55	ADAMTSL4	TSRC1
Bt.23161.2.A1_at	3.54	HSPA1A	HSPA1B HSPA1A
Bt.7176.1.S1_at	3.54	SPON1	SPON1
Bt.28271.1.A1_at	3.53	---	MAD
Bt.29716.1.S1_at	3.53	GJA3 /// GJB6	GJB2
Bt.20629.2.S1_at	3.53	GNPDA2	GNPDA2
Bt.21252.1.A1_at	3.53	---	ALOX15B
Bt.6279.1.A1_at	3.53	MYO6	MYO6
Bt.10001.1.A1_at	3.52	SLC39A14	SLC39A14
Bt.15828.2.S1_at	3.52	TRIB1	TRIB1
Bt.17588.1.A1_at	3.52	---	NT5C2L1
Bt.25050.1.S1_at	3.51	SLC23A2	SLC23A2
Bt.7676.2.S1_a_at	3.51	CALR	CALR
Bt.23399.1.S1_at	3.51	PKM2	PKM2
Bt.16821.1.S1_at	3.50	TM4SF18	LOC116441
Bt.13247.1.S1_at	3.50	HEBP2	KIAA1244 HEBP2
Bt.29332.1.A1_at	3.50	ERO1L	ERO1L
Bt.11176.2.S1_at	3.50	TMEM14A	TMEM14A
Bt.29411.2.A1_at	3.50	UHRF1BP1L	KIAA0701
Bt.2372.1.S1_at	3.49	EHMT2	HFE
Bt.2616.1.S1_at	3.49	LOC516155	GCS1
Bt.16911.1.A1_at	3.48	---	---
Bt.11151.1.S1_at	3.47	MGC151567	PP2135
Bt.1233.1.S1_at	3.47	---	MAP3K2
Bt.6208.1.A1_at	3.47	---	COG5
Bt.4363.1.S1_at	3.46	---	SLC23A2
Bt.4001.1.S1_at	3.46	HMOX1	HMOX1
Bt.5605.2.S1_at	3.46	MARCKS	MARCKS
Bt.22785.1.S1_at	3.46	CEBPB	CEBPB
Bt.11696.1.A1_at	3.45	---	SHANK2
Bt.11409.1.A1_a_at	3.45	LOC509109	MAP4K4
Bt.25398.1.A1_at	3.44	CYP26A1	CCNJ
Bt.16094.1.S1_at	3.44	EZH2	EZH2
Bt.1345.1.S1_at	3.44	F2RL2	F2RL2
Bt.11161.1.S1_at	3.43	UBE2N	UBE2N
Bt.23689.1.S1_at	3.43	---	PRPS1L1 PRPS1
Bt.12314.1.S1_at	3.42	PFKFB3	PFKFB3
Bt.2857.1.S1_at	3.43	NICN1	NICN1
Bt.5326.2.S1_at	3.42	BTG2	BTG2
Bt.20593.2.S1_at	3.42	PPIC	PPIC
Bt.15794.1.S1_at	3.42	LOC539626	MBD2
Bt.25353.1.A1_at	3.41	---	PSEN1 NUMB PAPLN RBM25

Bt.15534.1.S1_a_at	3.41	TUBA1 /// TUBA1A /// TUBA1B	K-ALPHA-1
Bt.2432.1.S1_at	3.40	WTAP	WTAP
Bt.7215.1.S1_at	3.40	ACADVL	ACADVL
Bt.4110.1.S1_at	3.40	HRH1	HRH1
Bt.3194.1.S1_at	3.39	LOC511594	LOC150084
Bt.15653.1.S1_at	3.39	DSC2	DSC2
Bt.4311.1.S1_at	3.39	GNAI2	GNAI2
Bt.12241.1.S1_at	3.39	CCR7	CCR7
Bt.9571.1.S1_at	3.39	RBM3	RBM3
Bt.22430.1.A1_at	3.38	CYBB	CYBB
Bt.9070.2.S1_at	3.38	---	CENTA1
Bt.11938.2.S1_at	3.38	LOC100140537	POLR3E
Bt.7555.1.S1_at	3.38	LOC790140 /// SMAP2	LOC64744
Bt.1311.1.S1_at	3.37	SUCLA2	SUCLA2
Bt.21300.1.S1_at	3.36	EDEM2	C20orf31
Bt.11035.1.S1_at	3.36	MESDC1	MESDC1
Bt.13214.1.S1_at	3.35	---	PRDM1
Bt.29947.1.S1_at	3.35	AACS	AACS
Bt.2318.2.S1_at	3.35	---	GCH1
Bt.9575.1.S1_at	3.35	PQLC1	PQLC1
Bt.12453.1.A1_at	3.35	---	SOX4
Bt.3071.1.S1_at	3.34	CKAP4	CKAP4
Bt.4044.1.S1_at	3.34	HMGA1	HMGA1
AFFX-Bt-gapd-M_at	3.33	GAPDH	
Bt.7555.2.S1_at	3.32	LOC790140 /// SMAP2	ZNF643 LOC64744
Bt.28442.1.S1_at	3.32	---	RNGTT
Bt.24109.1.S1_at	3.31	LOC524159	KIAA0564
Bt.2359.1.A1_at	3.31	FYN	FYN
Bt.22132.1.S1_at	3.31	---	AFAP
Bt.5590.1.S1_at	3.31	PTPN2	PTPN2
Bt.26100.2.A1_at	3.31	GDPD1	GDPD1
Bt.21238.1.S1_at	3.31	NRP2	NRP2
Bt.24314.1.A1_at	3.31	---	FBP2
Bt.12891.1.S1_at	3.30	RRAD	RRAD
Bt.10993.1.S1_at	3.30	---	GCNT2
Bt.3339.1.S1_at	3.30	SEMA4A	SEMA4A
Bt.5418.1.S1_at	3.29	TUBG1	TUBG1
Bt.4355.1.S1_at	3.29	PRDX5	PRDX5
Bt.12067.1.S1_at	3.28	ADAM9	ADAM9
Bt.2652.1.S1_at	3.28	RHBDF2	RHBDF2
Bt.6657.1.S1_a_at	3.28	TMEM63B	C6orf110
Bt.17129.1.A1_at	3.27	---	BRWD3
Bt.1976.1.S1_at	3.26	ST5	ST5
Bt.15857.1.S1_at	3.26	ALAS1	ALAS1
Bt.9142.1.A1_at	3.26	LOC532995	KIAA0391
Bt.24855.1.S1_at	3.26	TNFSF13B	TNFSF13B
Bt.21853.1.S1_at	3.25	AP1S1	AP1S2
Bt.22608.1.S1_at	3.24	MAFG	MAFG
Bt.6460.1.S1_at	3.24	PDIA6	TXNDC7
Bt.4773.2.S1_a_at	3.23	ATP6V1A	ATP6V1A
Bt.24338.1.S1_at	3.23	DTX2	DTX2
Bt.25669.1.S1_at	3.23	MCOLN2	MCOLN2
Bt.8082.1.S1_at	3.23	PHC2	PHC2
Bt.28419.1.S1_at	3.22	CISD2	---
Bt.23180.1.S1_at	3.22	PFN1	PFN1
Bt.8433.1.S1_at	3.22	SURF4	SURF4

Bt.3913.1.S1_at	3.21	VEGFC	VEGFC
Bt.17809.2.S1_at	3.21	ACTR6	ACTR6
Bt.1489.1.S1_at	3.20	DAGLB	---
Bt.20923.1.S1_at	3.20	EIF2AK2	EIF2AK2
Bt.28723.1.A1_at	3.20	RASL11B	RASL11B
Bt.28348.1.S1_at	3.20	---	---
Bt.27152.1.A1_at	3.20	---	PI15
Bt.27479.1.A1_at	3.20	MGC142488	C15orf29
Bt.2626.1.S1_at	3.19	CD47	CD47
Bt.21364.2.S1_at	3.19	---	SLC38A1
Bt.20559.1.S1_at	3.18	---	ATP13A3
Bt.28222.1.S1_at	3.18	STRN3	STRN3
Bt.21115.1.A1_at	3.18	SEC23A	SEC23A
Bt.9799.1.S1_at	3.18	EIF4G2	CSTF3
Bt.12453.1.A1_a_at	3.17	---	SOX4
Bt.21190.1.A1_at	3.17	---	ENTPD1
Bt.12748.1.S1_at	3.17	SNRP70	SNRP70
Bt.24945.1.S1_at	3.16	GDE1	MIR16
Bt.409.1.S1_at	3.16	GNG5	GNG5
Bt.2070.2.A1_at	3.16	DUSP10	DUSP10
Bt.28754.2.A1_at	3.16	---	PURB
Bt.21385.1.S1_at	3.16	SERPINH1	SERPINH1
Bt.9153.1.S1_at	3.16	JUN	JUN
Bt.23007.1.A1_at	3.16	SRI	SRI
Bt.19402.1.A1_at	3.15	MGC134114	---
Bt.3015.2.S1_at	3.15	LHFPL2	LHFPL2
Bt.4635.2.S1_a_at	3.15	CNN2	CNN2
Bt.4875.2.S1_at	3.15	FANCG	FANCG
Bt.5878.2.S1_at	3.15	SDS	SDS
Bt.26102.1.A1_at	3.15	GDAP2	GDAP2
Bt.13873.1.S1_at	3.14	---	NEK2 LPGAT1
Bt.27094.1.A1_at	3.14	STRN3	STRN3
Bt.2501.1.S1_at	3.14	---	MGC5618
Bt.3015.1.A1_at	3.13	LHFPL2	LHFPL2
Bt.26770.1.S1_at	3.13	TBL2	TBL2
Bt.22762.1.S1_at	3.13	SNRPA	SNRPA
Bt.21364.1.A1_at	3.12	---	SLC38A1
Bt.16118.1.S1_at	3.12	LOC504309	MICL
Bt.11245.1.S1_at	3.12	MGC128424	NID67
Bt.5599.1.S1_at	3.11	GLIPR2	C9orf19
Bt.13484.2.S1_at	3.11	PPP1R3C	PPP1R3C
Bt.21773.2.S1_at	3.11	GBP5	GBP5
Bt.21343.2.A1_a_at	3.10	GMFG	GMFG
Bt.20393.1.S1_at	3.10	PDIA5	PDIR
Bt.3992.1.S1_at	3.10	PISD	PISD
Bt.28139.1.S1_at	3.10	LOC614107	HK2
Bt.26600.1.S1_at	3.10	CC2D1B	KIAA1836
Bt.14578.1.A1_at	3.10	CALCRL	CALCRL
Bt.6715.1.A1_at	3.10	C5H22orf28	HSPC117
Bt.27197.1.S1_at	3.10	---	GCN5L2
Bt.12411.1.S1_at	3.09	LMNA	LMNA
Bt.9563.1.S1_at	3.09	ASZ1	ASZ1
Bt.4317.2.A1_at	3.08	PRKCD	GPX1
Bt.6434.1.S1_at	3.07	RNF149	RNF149
Bt.12765.1.S1_at	3.07	RDH10	RDH10
Bt.24384.1.A1_at	3.07	ACOT9	ACATE2

Bt.22981.1.S1_at	3.06	DNMT3A	DNMT3A
Bt.7519.1.S1_at	3.06	S1PR2	EDG5
Bt.10997.1.S1_at	3.06	DFFA	DFFA
Bt.8823.2.S1_a_at	3.06	C8H9ORF46	C9orf46
Bt.11873.2.S1_at	3.05	SSX2IP	SSX2IP
Bt.10421.1.S1_at	3.05	---	NRP2
Bt.23544.1.S1_at	3.05	---	PTTG2
Bt.21941.1.S1_at	3.05	---	TATDN2
Bt.8735.1.S1_at	3.05	TIMM22	TIMM22
Bt.656.2.S1_at	3.04	CORO1C	CORO1C
Bt.28404.1.A1_at	3.04	ZFR2	TAP2
Bt.13785.1.A1_at	3.04	POLR1B	POLR1B
Bt.5897.1.S1_at	3.04	UBD	UBD
Bt.15732.1.S1_a_at	3.04	LHFPL2	LHFPL2
Bt.1031.1.S1_at	3.03	CTSH	CTSH
Bt.21912.1.S2_at	3.03	EIF2C2	EIF2C2
Bt.4321.1.S1_at	3.03	CISH	CISH
Bt.21593.1.A1_at	3.03	ABCB7	ABCB7
Bt.9958.1.S1_at	3.02	IGFBP6	IGFBP6
Bt.17000.1.A1_at	3.02	PRRC1	LOC133619
Bt.3448.2.S1_at	3.02	MAPK6	MAPK6
Bt.6002.1.S1_at	3.01	ABCA3	ABCA3
Bt.7523.1.S1_at	3.01	PHF23	MGC2941
Bt.21801.1.S1_at	3.00	HNRNPL	HNRPL
Bt.10997.3.S1_a_at	3.00	DFFA	DFFA
Bt.2815.1.S1_at	3.00	LXN	LXN
Bt.22071.1.S1_at	3.00	MAP2K3	MAP2K3
Bt.633.2.S1_at	2.99	SFXN1	SFXN1
AFFX-Bt-gapd-5_at	2.99	GAPDH	
Bt.20163.3.S1_a_at	2.98	PPIL1	PPIL1
Bt.7171.1.S1_at	2.98	TAPBPL	TAPBPL
Bt.21223.2.S1_at	2.98	ATP1A1	ATP1A1
Bt.7640.1.S1_at	2.98	GNPDA1	GNPDA1
Bt.27784.2.S1_a_at	2.98	PPP1R10	PPP1R10
Bt.11739.1.S1_a_at	2.98	STAP2	STAP2
Bt.15759.1.S1_at	2.98	---	---
Bt.4149.1.S1_at	2.98	PTPN6	PTPN6
Bt.23418.1.S1_at	2.98	FN1	FN1
Bt.6087.1.S1_at	2.98	TM4SF1	TM4SF1
Bt.9361.1.S1_at	2.98	LOC782395	MFHAS1
Bt.393.1.S2_at	2.97	CTSB	CTSB
Bt.22373.1.A1_at	2.97	KCTD5	KCTD5
Bt.1434.1.S1_at	2.97	NUS1	C6orf68
Bt.2159.1.S1_at	2.97	TMEM45A	FLJ10134
Bt.6689.1.S1_at	2.96	THOC6	MGC2655
Bt.8612.1.A1_at	2.96	---	QTRTD1
Bt.1309.1.A1_at	2.96	STK10	STK10
Bt.13719.1.S1_at	2.96	IL6ST	IL6ST
Bt.18278.1.S1_at	2.96	LOC782657	CCNC
Bt.21098.1.A1_at	2.95	TMLHE	TMLHE
Bt.23366.1.S1_at	2.95	CDIPT	CDIPT
Bt.10152.1.A1_at	2.95	PLSCR1	PLSCR2
Bt.15670.2.S1_at	2.94	DEDD	DEDD
Bt.16597.1.S1_at	2.95	EXOSC4	EXOSC4
Bt.28952.1.S1_at	2.94	---	USP34
Bt.23218.1.S1_at	2.94	CTSK	CTSK

Bt.19565.1.S1_at	2.94	AOC3	PSME3
Bt.9182.1.S1_at	2.94	ARF3	ARF3
Bt.6091.1.S1_at	2.94	GAPDH	GAPD
Bt.11109.1.S1_at	2.93	---	---
Bt.3624.1.S1_at	2.92	PSMB10	PSMB10
Bt.27808.1.S1_at	2.92	TATDN3	LOC128387
Bt.6284.1.S1_at	2.92	PELI1	PELI1
Bt.16901.1.A1_at	2.92	RAB8B	RAB8B
Bt.22167.2.A1_at	2.92	LRRC2	LRRC2
Bt.11509.1.S1_at	2.92	---	---
Bt.9542.1.S1_at	2.92	PTPN1	PTPN1
Bt.28087.1.S1_at	2.91	NCOA7	NCOA7
Bt.22306.1.S1_at	2.91	PDSS1	TPRT
Bt.2939.1.A1_at	2.91	MOV10	MOV10
Bt.8149.1.A1_at	2.91	LOC509695	DDX26
Bt.18476.1.A1_a_at	2.91	IRF5	IRF5
Bt.3980.1.S1_at	2.91	SCIN	SCIN
Bt.22803.1.S2_at	2.90	TUBB	TUBB
Bt.10855.1.S1_at	2.90	LOC616414 /// RGS2	RGS2
Bt.2899.1.S1_at	2.90	FOS	FOS
Bt.9724.1.S1_at	2.90	UHRF1BP1L	KIAA0701
Bt.19818.1.A1_at	2.90	DHX9	DHX9
Bt.25226.1.A1_at	2.90	---	LOC202451 KIAA1244 HEBP2
Bt.7984.1.S1_at	2.89	LAMA4	LAMA4
Bt.20596.2.S1_at	2.89	MPZL2	EVA1
Bt.17703.1.S1_at	2.89	SLC15A2	SLC15A2
Bt.6377.1.S1_at	2.89	RCAN1	DSCR1
Bt.27316.2.A1_at	2.88	RBBP8	RBBP8
Bt.9742.1.S1_at	2.88	PDCD6IP	PDCD6IP
Bt.4541.1.S1_at	2.88	PPM1M	FLJ32332
Bt.17311.1.A1_at	2.88	RP2	RP2
Bt.9764.1.A1_at	2.88	MPHOSPH6	MPHOSPH6
Bt.5711.2.S1_at	2.88	DPAGT1	DPAGT1
Bt.4234.1.S1_at	2.88	HK1	HK1
Bt.17129.2.A1_at	2.88	---	BRWD3
Bt.6509.1.S1_at	2.88	LAMC2	LAMC2
Bt.16176.1.A1_at	2.87	---	SMS2
Bt.16221.1.A1_at	2.87	---	DKFZP564J0863
Bt.8914.1.S1_at	2.86	---	GNAI3
Bt.26709.1.S1_at	2.86	CPOX	CPOX
Bt.26562.1.S1_at	2.86	CCDC86	MGC2574
Bt.26426.1.A1_at	2.86	RBM43	FLJ45645
Bt.22869.1.S1_at	2.86	FABP5	FABP5
Bt.22734.1.A1_at	2.85	ENPP4	ENPP4
Bt.4738.1.S1_at	2.85	CAST	CAST
Bt.13710.1.S1_a_at	2.85	PGS1	DNAH17
Bt.8077.1.S1_at	2.85	PGK1	PGK1
Bt.15896.1.S1_at	2.85	---	HSPA14
Bt.6221.1.S1_at	2.85	---	POLS
Bt.2385.1.S1_at	2.85	---	LCMT2
Bt.20836.1.S1_at	2.85	LOC783547	MRC1L1
Bt.5687.1.S1_at	2.85	MAPK3	MAPK3
Bt.22726.3.S1_a_at	2.85	CA8	CA8
Bt.20416.1.S1_at	2.85	TAP1	TAP1
Bt.7500.1.S1_at	2.85	RAB8B	RAB8B
Bt.1606.1.S1_at	2.84	SPG21	SPG21

Bt.15972.1.S1_at	2.84	GJA1	GJA1
Bt.19996.1.A1_at	2.84	---	ZDHC21
Bt.3994.2.S1_a_at	2.84	SMN	SMN2 SMN1
Bt.17629.1.A1_at	2.84	FAM119A	LOC151194
Bt.5329.1.S1_at	2.83	C28H10orf57	C10orf57
Bt.401.2.S1_at	2.82	DBI	DBI
Bt.14438.2.A1_a_at	2.82	TNPO1	TNPO1
Bt.13428.1.S1_at	2.82	FBP1	FBP1
Bt.22185.1.S1_at	2.82	FAM82C	FLJ10579
Bt.179.1.S1_at	2.82	SLC25A16	SLC25A16
Bt.12721.1.A1_at	2.81	CD3EAP	PSCD2
Bt.9448.1.S1_at	2.81	TPM3	TPM3
Bt.4520.1.S1_at	2.81	SCARB1	SCARB1
Bt.22025.2.A1_a_at	2.81	CDV3	TOPBP1
Bt.8624.1.S1_at	2.81	ARG2	ARG2
Bt.24636.2.S1_at	2.81	PAX8	PAX8
Bt.21485.1.S1_at	2.81	CDC42SE1	CDC42SE1
Bt.17734.1.A1_at	2.80	ZFAND2A	LOC401296
Bt.20253.2.S1_at	2.80	SIKE	FLJ21168
Bt.16713.1.A1_at	2.80	TNK1	TNK1
Bt.13237.1.S1_at	2.80	PSMA4	PSMA4
Bt.7912.1.A1_at	2.80	SORL1	C11orf32
Bt.20490.1.S1_at	2.79	CDC42EP4	CDC42EP4
Bt.27064.1.A1_at	2.79	MARS2	MARS2
Bt.24394.1.S1_at	2.79	---	MGC16943
Bt.19504.1.S1_at	2.78	JUN	JUN
Bt.26787.1.S1_at	2.78	GPN2 /// LOC100140243	FLJ10349
Bt.10018.1.S1_at	2.78	C7H5ORF15	C5orf15
Bt.1655.1.A1_at	2.78	IMPA2	IMPA2
Bt.2147.1.S1_at	2.78	---	PRKX
Bt.22078.1.S1_at	2.78	ATP6AP2	ATP6AP2
Bt.1714.1.A1_at	2.78	TRAF2	TRAF2
Bt.22101.1.A1_at	2.78	---	SELI
Bt.1154.1.S1_at	2.78	WDR1	WDR1
Bt.2749.1.S1_at	2.78	CDKN1A	CDKN1A
Bt.12805.1.S1_at	2.77	LOC317710	FLJ22662
Bt.2899.1.S2_at	2.77	FOS	FOS
Bt.3790.1.S1_at	2.77	LOC509695	DDX26
Bt.910.1.S1_at	2.77	UFM1	BM02 Ufm1
Bt.29903.1.A1_at	2.77	C29H11orf54	PTD012
Bt.5319.3.S1_s_at	2.77	LEO1	LOC123169
Bt.12443.1.S1_at	2.77	CD82	KAI1
Bt.7558.1.S1_at	2.77	---	ZDHC18
Bt.4446.1.A1_at	2.77	---	C14orf1
Bt.25055.1.A1_at	2.76	IPMK	IPMK
Bt.13940.1.S1_at	2.76	PIGU	CDC91L1
Bt.28761.1.A1_s_at	2.76	SQRDL	SQRDL
Bt.9758.1.S1_at	2.76	---	MRPL22
Bt.734.1.S1_at	2.76	ADAM9	ADAM9
Bt.23109.1.S1_at	2.76	HDAC1	HDAC1
Bt.3888.1.S1_a_at	2.75	PPME1	PME-1
Bt.6777.2.S1_at	2.75	WTAP	WTAP
Bt.20796.1.A1_at	2.75	CEP76	C18orf9 CEP76
Bt.20310.1.S1_at	2.75	DOCK5	DOCK5
Bt.6087.2.S1_a_at	2.75	TM4SF1	TM4SF1
Bt.17645.1.A1_at	2.74	---	---

Bt.3157.1.S1_at	2.74	---	PPP2R1B
Bt.9158.1.A1_at	2.74	LOC784959	---
Bt.21410.1.S1_at	2.73	CTSA	PPGB
Bt.27190.1.S1_s_at	2.73	ANP32A	ANP32A
Bt.15690.1.S1_at	2.73	---	SNX6
Bt.21929.1.S1_at	2.73	---	LOC151162
Bt.4107.1.S1_at	2.72	DSC2	DSC2
Bt.16142.2.S1_at	2.72	YWHAG	YWHAG
Bt.1358.1.S1_at	2.72	PDLIM1	PDLIM1
Bt.26909.1.S1_at	2.72	---	STARD4
Bt.979.1.A1_at	2.71	MYO1B	MYO1B
Bt.24479.1.S1_at	2.71	MAPKAPK2	MAPKAPK2
Bt.6950.1.S1_at	2.71	SYS1	SYS1
Bt.20458.1.S1_at	2.71	MAP7D1	FLJ10350
Bt.17777.2.S1_at	2.71	OPTN	OPTN
Bt.13046.1.S1_at	2.70	AHR	AHR
Bt.27854.1.S1_at	2.70	NFIL3	NFIL3
Bt.8793.1.S1_at	2.70	---	TRPS1
Bt.23655.1.S1_at	2.70	---	PTPRE
Bt.7707.1.S1_at	2.70	CCM2	CCM2
Bt.22488.1.A1_at	2.70	SLC30A6	SLC30A6
Bt.10869.1.S1_at	2.69	LOC786565	DIAPH1
Bt.3525.1.S1_at	2.69	TMEM49	VMP1
Bt.16933.2.A1_at	2.69	LOC617079	---
Bt.26905.1.A1_at	2.69	PPP1R3B	PPP1R3B
Bt.20542.1.S1_at	2.69	JUNB	JUNB
Bt.24628.1.S1_at	2.69	SNRPF	SNRPF
Bt.24011.1.A1_at	2.69	DDX46	DDX46
Bt.28569.1.S1_at	2.68	---	PDE5A
Bt.21189.1.S1_at	2.68	PRKD2	PRKD2
Bt.20069.1.S1_at	2.68	DAXX	DAXX
Bt.25096.1.S1_at	2.67	SLC20A1	SLC20A1
Bt.27316.1.S1_at	2.67	RBBP8	RBBP8
Bt.7349.1.S1_at	2.67	---	MGC26963
Bt.8566.1.S1_at	2.67	ANP32A	ANP32A
Bt.6391.1.A1_at	2.67	CCDC90A	C6orf79
Bt.3199.1.S1_at	2.67	RUSC1	RUSC1
Bt.16376.1.S1_at	2.67	PARP12	ZC3HDC1
Bt.1785.1.A1_at	2.66	LOC532189	CPD
Bt.848.1.S1_at	2.66	NDUFV2	NDUFV2
Bt.16000.1.S1_at	2.66	ENTPD4	LOXL2 ENTPD4
Bt.27294.1.S1_at	2.65	SYNJ2BP	SYNJ2BP
Bt.7337.2.S1_at	2.65	LOC512010	CENTD1
Bt.21031.1.S1_at	2.65	LEO1	LOC123169
Bt.21026.1.S1_at	2.64	GPR65	GPR65
Bt.8911.1.A1_at	2.65	LOC508041	FLJ43654
Bt.17641.2.A1_at	2.65	CLLD6	C13orf1
Bt.2325.1.S1_at	2.64	---	RHOH N4BP2
Bt.7959.1.A1_at	2.64	LIG4	LIG4
Bt.11739.2.A1_a_at	2.64	STAP2	STAP2
Bt.2590.1.A1_at	2.64	LOC520939	KLF2
Bt.8208.1.A1_at	2.64	LOC538749	DAAM1
Bt.4895.1.S1_at	2.64	CCND2	CCND2
Bt.7938.1.S1_at	2.64	CTSS	CTSS
Bt.3001.1.S1_at	2.64	C21H14orf147	C14orf147
Bt.4329.1.S1_at	2.64	SVIL	SVIL



Bt.26218.1.A1_at	2.64	---	FLJ31438 RPS27A MTIF2
Bt.9629.2.S1_at	2.64	ZFP36L1	ZFP36L1
Bt.20893.1.A1_at	2.63	PNPO	PNPO
Bt.13851.1.S1_at	2.63	IL13RA1	IL13RA1
Bt.9622.1.A1_at	2.63	KTI12	MGC20419
Bt.22173.1.S1_at	2.63	STK24	ATP11A
Bt.17659.1.S1_at	2.63	PTDSS1	PTDSS1
Bt.21303.1.S1_at	2.63	---	RCOR1
Bt.26609.1.S1_at	2.63	---	PIP3AP
Bt.20796.2.S1_at	2.63	CEP76	C18orf9 CEP76
Bt.13227.2.S1_at	2.62	RELL1	FLJ11017
Bt.7734.1.S1_at	2.62	HSD3B7	HSD3B7
Bt.22410.1.S1_at	2.62	TFCP2	ARF3
Bt.29411.1.S1_at	2.62	UHRF1BP1L	KIAA0701
Bt.20367.1.S1_at	2.62	---	DDX39
Bt.18752.1.S1_at	2.61	SMYD2	SMYD2
Bt.1029.1.S1_at	2.61	NCOA7	NCOA7
Bt.19687.2.S1_at	2.61	SDAD1	SDAD1
Bt.22587.1.S1_at	2.61	CHPF	CHPF
Bt.28298.1.S1_at	2.61	---	ABL1
Bt.16933.1.S1_at	2.61	LOC617079	ABCC4
Bt.8486.1.S1_at	2.61	TNIK	TNIK
Bt.13852.3.S1_a_at	2.61	LRRFIP2	LRRFIP2
Bt.27854.2.S1_at	2.61	NFIL3	NFIL3
Bt.1950.1.S1_at	2.61	KPNA3	KPNA3
Bt.5322.1.S1_at	2.60	PSMB5	PSMB5
Bt.20529.1.A1_at	2.60	LOC505636	MGC40499
Bt.28506.1.A1_at	2.60	UCK2	UCK2
Bt.10421.2.S1_at	2.60	---	NRP2
Bt.1794.1.S1_a_at	2.60	TMEM39A	TMEM39A
Bt.18476.1.A1_at	2.60	IRF5	IRF5
Bt.29939.2.S1_at	2.60	HSPA5	HSPA5
Bt.27401.1.A1_at	2.60	RNF128	RNF128
Bt.8722.1.S1_at	2.60	ACP2	ACP2
Bt.20493.1.S1_at	2.60	ANKRD6	ANKRD6
Bt.9321.1.S1_at	2.60	PARP4	PARP4
Bt.8231.1.S1_at	2.60	NUP205	NUP205
Bt.2887.1.S1_at	2.59	NUDT5	NUDT5
Bt.19332.2.A1_at	2.59	---	CLCN5
Bt.20080.1.S1_at	2.59	WSB1	WSB1
Bt.26552.1.S1_at	2.59	IL10RB	IL10RB
Bt.6640.1.S1_at	2.59	---	SMURF1
Bt.20178.1.S1_at	2.58	NFKBIB	NFKBIB
Bt.20762.1.A1_at	2.58	---	C13orf1
Bt.8718.1.S1_at	2.58	---	KIAA0247
Bt.26384.1.S1_at	2.58	CCDC13	OIP106
Bt.13983.3.S1_at	2.58	MTDH	LYRIC
Bt.12399.1.S1_at	2.58	NEU1	NEU1
Bt.4586.1.S1_at	2.58	GNG2	GNG2
Bt.11530.1.A1_at	2.57	---	CMIP
Bt.16978.1.S1_at	2.57	KPNA3	KPNA3
Bt.5711.1.S1_at	2.57	DPAGT1	DPAGT1
Bt.4021.1.S1_at	2.57	SEC16A	KIAA0310
Bt.5197.1.S1_at	2.57	LOC783166	G3BP
Bt.28076.1.A1_at	2.57	GSTO1	GSTO1
Bt.15937.1.A1_at	2.57	NAT11	RCOR2 FLJ13848 MARK2

Bt.7714.1.S1_at	2.57	VCP	VCP
Bt.6633.1.A1_at	2.56	B9D1	EPPB9
Bt.2128.1.S1_at	2.56	YWHAZ	YWHAZ
Bt.20336.2.S1_at	2.56	DDX19B	DDX19
Bt.16133.1.A1_at	2.56	PIGH	PIGH
Bt.9147.1.A1_at	2.56	WDR77	MEP50
Bt.20720.1.S1_at	2.56	LOC614585	CGI-128
Bt.21942.1.S1_at	2.56	LOC784805	LOC90120
Bt.24339.1.S1_at	2.56	LOC781346	KIAA1856
Bt.27653.1.A1_a_at	2.56	PIGN	PIGN
Bt.19945.2.A1_at	2.55	LOC616344	---
Bt.19559.1.S1_at	2.55	---	CCNG2
Bt.18575.1.A1_at	2.56	DTWD2	PTMAP2
Bt.2017.1.S1_at	2.55	TFPI2	TFPI2
Bt.28674.1.A1_at	2.55	GNPNAT1	GNPNAT1
Bt.23708.1.A1_at	2.55	ZFAND3	TEX27
Bt.4638.1.S1_at	2.55	SMARCB1	SMARCB1
Bt.27760.1.S1_at	2.54	BoLA /// HLA-A	HLA-A
Bt.648.2.S1_at	2.54	LRRFIP1	LRRFIP1
Bt.17107.1.S1_at	2.54	C19H17orf37	C17orf37
Bt.942.1.S1_at	2.54	---	C20orf117 C20orf118 SAMHD1
Bt.22141.1.S1_at	2.53	RTN3	N4BP1
Bt.26751.1.S1_at	2.53	WSB2	WSB2
Bt.26641.1.S1_at	2.53	XPNPEP1	XPNPEP1
Bt.23668.1.A1_at	2.53	---	MITF
Bt.16329.1.A1_at	2.53	TGIF1	TGIF
Bt.14987.1.A1_at	2.53	ATP6AP2	ATP6AP2
Bt.5154.1.S1_s_at	2.53	HSPA1A /// HSPA1B	HSPA1B HSPA1A
Bt.28065.1.A1_at	2.53	DNAJC10	DNAJC10
Bt.3114.1.A1_at	2.53	DC2	DC2
Bt.28676.1.A1_at	2.52	PEX7	PEX7
Bt.24191.1.A1_at	2.52	DPY19L1	KIAA0877
Bt.20371.1.S1_at	2.52	CSK	CSK
Bt.28192.2.S1_at	2.52	IRF6	IRF6
Bt.16273.1.A1_at	2.52	RCAN3	DSCR1L2
Bt.16389.1.S1_at	2.52	DERL1	DERL1
Bt.13679.2.S1_a_at	2.52	ZNF207	ZNF207
Bt.28259.1.S1_at	2.52	TMEM168	FLJ13576
Bt.6358.1.S1_at	2.52	BCAP29	BCAP29
Bt.4274.1.S1_at	2.52	MAPRE1	MAPRE1
Bt.23128.3.S1_at	2.52	PDIA4	ERP70
Bt.9994.1.S1_at	2.52	CXXC1	CXXC1
Bt.22512.2.S1_at	2.52	KLHL5	KLHL5
Bt.8455.1.S1_at	2.51	---	NUPL1
Bt.18116.3.A1_s_at	2.51	PARP12	ZC3HDC1
Bt.9228.1.A1_at	2.51	VPS37C	VPS37C
Bt.7490.1.A1_at	2.51	MTHFD1L	MTHFD1L
Bt.8177.1.S1_at	2.51	MRPL12	MRPL12
Bt.25100.1.A1_at	2.51	CTTN	CTTN
Bt.14272.1.A1_at	2.51	---	HS3ST3B1
Bt.8621.1.S1_at	2.51	---	EDEM1
Bt.14624.1.A1_at	2.50	PSMD14	PSMD14
Bt.3814.1.S1_at	2.51	DAB2	DAB2
Bt.5211.1.S2_at	2.50	RPL21	RPL21
Bt.10266.1.S1_at	2.50	PSMA1	PSMA1
Bt.22283.1.S1_at	2.50	---	HTRA4 BLP1 PLEKHA2 ADAM9

Bt.16387.1.S1_at	2.50	DNAJC24	ZCSL3
Bt.20847.1.S1_at	2.50	AGER	PBX2
Bt.9820.1.S1_at	2.50	---	FLJ10407
Bt.18484.1.A1_at	2.50	NT5DC1	NT5C2L1
Bt.21760.2.S1_at	2.50	---	SLC34A3
Bt.26811.1.S1_at	2.50	SLC30A5	SLC30A5
Bt.6826.1.S1_at	2.50	LCP2	LCP2
Bt.27877.1.S1_at	2.49	MYO1F	MYO1F
Bt.25433.1.S1_at	2.49	C1GALT1C1	C1GALT1C1
Bt.5200.1.S1_at	2.49	DDX39	DDX39
Bt.26715.1.S1_at	2.49	ST14	ST14
Bt.4293.1.S1_at	2.49	ICAM3	ICAM3
Bt.4773.4.S1_at	2.48	ATP6V1A	ATP6V1A
Bt.16125.1.A1_at	2.48	RNFT1	LOC51136
Bt.24214.1.S1_at	2.48	---	PNPO
Bt.972.1.S1_at	2.48	UBE2E2	UBE2E2
Bt.20253.1.S1_at	2.48	SIKE	FLJ21168
Bt.20629.1.A1_at	2.48	GNPDA2	GNPDA2
Bt.11259.1.S1_at	2.48	ISG12(A)	FAM14A
Bt.18224.1.S1_at	2.47	---	CUGBP1
Bt.8149.2.S1_at	2.47	LOC509695	DDX26
Bt.28836.1.S1_at	2.47	DAAM1	DAAM1
Bt.2634.1.S1_at	2.47	DNAJC10	DNAJC10
Bt.20163.2.S1_a_at	2.47	PPIL1	PPIL1
Bt.16297.1.S1_at	2.47	CLDND1	C3orf4
Bt.18569.1.A1_at	2.47	C10H14orf179	MGC16028
Bt.21835.1.S1_at	2.47	PKIG	PKIG
Bt.13913.1.S1_at	2.47	---	AGPAT3
Bt.16745.1.A1_at	2.47	CCL28	CCL28
Bt.28287.1.S1_at	2.47	UNC93A	UNC93A
Bt.8679.1.A1_at	2.47	DLAT	DLAT
Bt.25763.1.S1_at	2.46	LOC530128	Cep70
Bt.4063.1.S1_at	2.47	PLA2G7	PLA2G7
Bt.5123.2.S1_at	2.46	FLII	FLII
Bt.5489.1.S1_at	2.46	HNRNPA2B1	HNRNPA2B1
Bt.1455.1.S1_at	2.46	---	ZNF518
Bt.26100.1.S1_at	2.46	GDPD1	GDPD1
Bt.26885.1.S1_at	2.46	FKBP7	FKBP7
Bt.26280.1.S1_at	2.46	---	PHEMX
Bt.532.1.S1_at	2.46	TSFM	TSFM
Bt.26037.1.A1_at	2.46	BRWD3	BRWD3
Bt.10039.1.S1_at	2.46	GNE	CLTA
Bt.2392.1.S1_at	2.45	ST6GALNAC2	SIAT7D
Bt.13689.1.A1_at	2.45	PIK3CD	PIK3CD
Bt.20788.1.A1_at	2.45	LOC518469	KIAA1434
Bt.4353.1.S1_at	2.45	EPAS1	EPAS1
Bt.24986.1.A1_at	2.45	---	PLEKHA1
Bt.2342.1.S1_at	2.45	CDS2	CDS2
Bt.25194.1.A1_at	2.44	PIBF1	C13orf24
Bt.24698.1.A1_at	2.44	OVOL1	OVOL1
Bt.300.1.A1_at	2.44	SULT1E1	SULT1E1
Bt.18689.2.A1_at	2.44	ARSB	ARSB
Bt.8706.1.S1_at	2.44	MAPKAPK3	MAPKAPK3
Bt.23616.1.S1_at	2.44	---	STCH
Bt.20296.1.S1_at	2.44	SFXN2	SFXN2
Bt.22721.1.A1_a_at	2.44	JAMP	C14orf100

Bt.6406.1.S3_at	2.43	CEBPD	CEBPD
Bt.25437.1.A1_at	2.43	---	ILT8 LILRB3 ILT7 LIRA4
Bt.18320.1.A1_at	2.43	---	ANKFY1
Bt.26048.1.A1_at	2.43	SERF1B	SERF1A
Bt.28320.1.A1_at	2.43	LOC613826	ANKRD17 FLJ38991
Bt.21250.1.S1_a_at	2.43	TMEM176B	LR8
Bt.12196.2.A1_at	2.43	---	PTPRC
Bt.28406.1.S1_at	2.43	---	FCGR2A
Bt.28366.1.A1_at	2.42	ECT2	ECT2
Bt.22614.1.S1_at	2.43	---	MGC46496
Bt.21982.1.S1_a_at	2.42	IQGAP1	IQGAP1
Bt.3863.1.S1_at	2.42	ZFP36	ZFP36
Bt.13852.1.S1_at	2.42	DENND2A	LRRFIP2
Bt.13947.2.A1_at	2.42	RQCD1	RQCD1
Bt.27380.1.A1_at	2.42	PRMT3	HRMT1L3
Bt.21258.1.A1_at	2.42	WRB	WRB
Bt.25226.2.S1_at	2.42	---	LOC202451
Bt.9527.2.S1_at	2.41	KLF10	KLF10
Bt.4388.1.S1_at	2.41	IL27RA	IL27RA
Bt.24975.1.S1_at	2.41	YTHDC2	YTHDC2
Bt.20221.1.S1_at	2.41	TFE3	TFE3
Bt.22009.1.S1_at	2.40	CXCL16	CXCL16
Bt.14682.2.S1_at	2.41	---	FLJ25371
Bt.17473.2.S1_at	2.41	RPE	RPE
Bt.24181.1.S1_at	2.40	LBP	LBP
Bt.24631.2.A1_at	2.40	RP11-529110.4	DPCD
Bt.6550.1.S1_at	2.40	NTHL1	NTHL1
Bt.25979.1.S1_a_at	2.40	ENTPD4	ENTPD4
Bt.10854.1.S1_at	2.40	YRDC	FLJ23476
Bt.5517.1.S2_at	2.40	CNP	CNP
Bt.24774.1.S1_at	2.40	---	---
Bt.12861.1.S1_at	2.40	KIF2A	KIF2
Bt.25003.1.S1_at	2.40	LOC524974	KIAA1833
Bt.4292.1.S1_at	2.40	ACTR3	ACTR3
Bt.16648.1.A1_at	2.40	---	LPHN2
Bt.9870.2.A1_at	2.40	---	LOC128387 FLVCR C1orf48
Bt.29558.1.A1_at	2.40	---	HSPC117
Bt.13983.2.S1_at	2.39	MTDH	LYRIC
Bt.24927.1.A1_at	2.39	ARHGEF6	ARHGEF6
Bt.11176.1.S1_at	2.39	TMEM14A	TMEM14A
Bt.20165.1.S1_at	2.39	MGC139367	---
Bt.12112.1.S1_at	2.39	---	TMEM16F
Bt.29929.1.S1_at	2.39	---	FLJ22679
Bt.721.1.A1_at	2.39	ABCG1	PCAF
Bt.27590.1.A1_at	2.39	SMARCA4	SMARCA4
Bt.24790.2.A1_at	2.39	PTPRG	PTPRG
Bt.1585.1.A1_at	2.39	---	FLJ21820
Bt.21760.1.S1_at	2.39	---	SLC34A3
Bt.12474.1.S1_at	2.38	GALE	GALE
Bt.648.3.S1_at	2.38	---	LRRFIP1
Bt.737.1.S1_a_at	2.38	---	LIG3
Bt.4501.1.S1_at	2.38	NOLC1	NOLC1
Bt.27269.1.A1_at	2.38	STARD3NL	STARD3NL
Bt.18049.1.A1_at	2.38	---	---
Bt.9225.1.A1_at	2.38	HK3	HK3
Bt.11437.1.A1_at	2.38	---	ARL10B

Bt.4614.1.S1_at	2.38	LOC511558	SLC37A1
Bt.5446.1.S1_at	2.38	RMND5B	FLJ22318
Bt.27874.1.S1_s_at	2.38	JMJD6	PTDSR
Bt.1670.1.A1_at	2.37	LOC617154	PPP1R14B
Bt.910.3.S1_at	2.37	UFM1	Ufm1
Bt.8254.1.S1_at	2.37	ARPC5	ARPC5
Bt.20603.2.S1_at	2.37	LOC100125286	C14orf24
Bt.25077.1.S1_at	2.37	---	SLK
Bt.10060.1.S1_at	2.37	NR4A2	NR4A2
Bt.19807.1.S1_at	2.37	SKAP2	SCAP2
Bt.18638.1.S1_at	2.37	GTF2H3	GTF2H3
Bt.10116.1.A1_at	2.37	BAG3	BAG3
Bt.27077.1.S1_at	2.37	DARC	FY
Bt.8971.1.A1_a_at	2.37	---	WAS
Bt.827.1.A1_at	2.37	TMEM125	MGC17299
Bt.21743.1.A1_at	2.36	M6PRBP1	M6PRBP1
Bt.18734.1.S1_at	2.36	---	SYNJ2BP
Bt.16138.1.S1_at	2.36	DLG3	DLG3
Bt.17595.3.A1_at	2.36	TMEM183A	SETMAR
Bt.16109.1.S1_at	2.36	---	LOC152519 TXK
Bt.10870.1.S1_at	2.35	---	AHR
Bt.3742.1.S1_at	2.35	SELK	SELK
Bt.21939.1.S1_at	2.35	---	TBC1D7
Bt.16124.1.A1_at	2.35	---	BPIL2 HSPC117 FBXO7 RFPL3
Bt.27031.1.A1_at	2.35	RINT1	RINT-1
Bt.460.1.S1_at	2.35	TST /// TST	TST
Bt.26942.1.S1_at	2.35	SLC17A5	SLC17A5
Bt.20432.1.S1_at	2.35	SERPINB8	SERPINB8
Bt.24799.1.S1_at	2.35	LOC507426	PARP3
Bt.26709.2.A1_at	2.35	CPOX	CPOX
Bt.20180.1.S1_at	2.35	RAB25	RAB25
Bt.24206.1.A1_at	2.35	BTBD1	BTBD1
Bt.17809.1.A1_at	2.35	ACTR6	ACTR6
Bt.4271.1.S1_at	2.35	LOC100141021	CYFIP1
Bt.8887.1.S1_at	2.35	TMEM62	FLJ23375
Bt.19107.2.A1_at	2.34	---	---
Bt.5104.1.S1_at	2.34	OTUB1	OTUB1
Bt.28192.1.S1_at	2.34	IRF6	IRF6
Bt.13331.2.S1_a_at	2.34	TANK	TANK
Bt.27330.1.A1_at	2.34	LOC532883	FLJ13305
Bt.21931.1.S1_at	2.34	CMTM7	CKLFSF7
Bt.8959.1.S1_at	2.34	IKBKG	IKBKG
Bt.22570.1.S1_at	2.34	PSMC6	PSMC6
Bt.13421.1.S1_at	2.33	ATG4D	APG4D
Bt.2216.2.S1_at	2.33	---	FLJ33708 LY86
Bt.5278.2.S1_at	2.33	BCS1L	BCS1L
Bt.21458.1.S1_at	2.33	DIP2B	KIAA1463
Bt.26394.1.S1_at	2.33	UBE2B	UBE2B
Bt.9490.1.S1_at	2.33	ACTR1A	ACTR1A
Bt.24704.1.S1_at	2.33	H11CXORF26	CXorf26
Bt.802.1.A1_at	2.33	DOLPP1	DOLPP1
Bt.7281.1.S1_at	2.33	ELOVL5	ELOVL5
Bt.3391.1.S1_at	2.33	MARVELD1	MARVELD1
Bt.15818.1.S1_at	2.33	DNAJC17	FLJ10634
Bt.8909.1.S1_at	2.33	RAI14	RAI14
Bt.12337.2.S1_a_at	2.33	CHCHD5 /// LOC783221	CHCHD5

Bt.8355.1.S1_at	2.33	HNRNPH2	HNRNPH2
Bt.5650.1.S1_at	2.32	BTG3	BTG3
Bt.1024.1.S1_at	2.32	H27C8ORF41	FLJ23263
Bt.22999.1.S1_at	2.32	CREBL1	CREBL1
Bt.13516.3.A1_at	2.32	TBXAS1	TBXAS1
Bt.4051.1.S1_at	2.32	USP14	USP14
Bt.8957.1.S1_at	2.32	CXCR4	CXCR4
Bt.28539.1.S1_at	2.32	SPTY2D1	FLJ39441
Bt.27071.1.S1_at	2.32	TRIM38	TRIM38
Bt.25236.1.A1_at	2.32	MXRA5	DKFZp564I1922
Bt.3254.1.A1_at	2.32	TBCE	TBCE
Bt.13821.1.S1_at	2.32	AK3L1	AK3
Bt.19519.1.S1_at	2.31	HLTF	SMARCA3
Bt.1785.2.A1_at	2.31	---	CPD
Bt.1416.1.S1_at	2.31	LGALS3	LGALS3
Bt.7505.1.S1_at	2.31	STK38	STK38
Bt.5861.1.S1_at	2.31	CD200	CD200
Bt.16896.1.A1_at	2.31	---	AGXT2 PRLR
Bt.17932.2.S1_a_at	2.31	MCM2	CCNL1
Bt.7468.1.S1_at	2.31	---	PTPN1
Bt.24422.1.S1_at	2.31	PIGB	PIGB
Bt.10077.1.S2_at	2.31	IRF1	IRF1
Bt.2860.1.S1_at	2.31	FBLIM1	FBLP-1
Bt.13949.1.S1_at	2.31	GSTP1	GSTP1
Bt.8345.1.S1_at	2.31	LEPROT	LEPROT
Bt.2679.1.S1_at	2.30	---	---
Bt.20778.3.A1_at	2.30	TGIF1	TGIF
Bt.20215.1.S1_at	2.30	---	AXUD1
Bt.193.1.S1_at	2.30	MGAT4A	MGAT4A
Bt.2897.2.A1_at	2.29	SUMF2	SUMF2
Bt.17614.1.S1_at	2.30	RBM25	RBM25
Bt.910.2.S1_at	2.29	UFM1	Ufm1
Bt.746.1.S1_at	2.29	PLP2	PLP2
Bt.20336.1.S1_a_at	2.29	DDX19A	DDX19L
Bt.5329.2.S1_at	2.29	C28H10orf57	C10orf57
Bt.13730.2.S1_at	2.29	ATG4A	APG4A
Bt.27550.1.A1_at	2.29	---	IRS1
Bt.868.1.S1_at	2.29	MAPBPIP	MAPBPIP
Bt.18724.2.S1_at	2.29	---	GJA10 RHBDL2 MYCBP RRAGC
Bt.29814.1.S1_at	2.29	BoLA /// HLA-A	HLA-A
Bt.15732.1.S1_at	2.28	LHFPL2	LHFPL2
Bt.4705.1.S1_at	2.28	HDGF	HDGF
Bt.12030.1.S1_at	2.29	ACTN4	ACTN4
Bt.9589.1.S1_at	2.28	LOC535277	TPM4
Bt.4871.1.S1_at	2.29	PRMT1	HRMT1L2
Bt.15441.1.A1_at	2.28	---	---
Bt.20219.1.S1_at	2.28	PIGT	PIGT
Bt.22133.2.S1_a_at	2.28	STX17	STX17
Bt.3350.2.S1_at	2.28	UBE2R2	UBE2R2
Bt.12261.2.S1_a_at	2.28	TASP1	C20orf13
Bt.4857.2.S1_at	2.28	PRUNE	PRUNE
Bt.21078.1.A1_at	2.28	CES3	TMED6
Bt.12406.1.S1_at	2.28	TTLL12	KIAA0153
Bt.12850.1.S1_at	2.28	GLMN	GLMN
Bt.4086.1.S1_at	2.28	ATP6V1B2	ATP6V1B2
Bt.11933.1.S1_at	2.28	CDK7	CDK7

Bt.12220.1.S1_a_at	2.28	---	PPM1H
Bt.7081.2.S1_at	2.27	PTPRE	PTPRE
Bt.13983.1.A1_at	2.27	MTDH	LYRIC
Bt.22461.1.S1_at	2.27	---	CUGBP2
Bt.20155.1.A1_at	2.27	---	C15orf17
Bt.28906.1.A1_at	2.27	NLF1	NLF1
Bt.7190.1.S1_at	2.26	CYP11A1	CYP11A1
Bt.2891.1.S1_at	2.26	YWHAZ	YWHAZ
Bt.9223.1.A1_at	2.26	FRMD8	FKSG44
Bt.7916.1.S1_at	2.26	RPN1	RPN1
Bt.18755.2.S1_at	2.26	LOC790875	GSK3B
Bt.23648.1.A1_at	2.26	AGTPBP1	ROD1
Bt.2150.1.S1_at	2.26	GPSM2	GPSM2
Bt.16099.2.S1_at	2.26	LOC536676	NARG1
Bt.28352.2.A1_at	2.26	CENPI	FSHPRH1
Bt.9599.3.S1_at	2.26	IHPK2	IHPK2
Bt.24257.1.S1_at	2.26	---	---
Bt.22739.2.S1_at	2.25	SOCS4	SOCS4
Bt.12508.1.S1_at	2.25	XTP3TPA	XTP3TPA
Bt.15561.1.S1_at	2.25	EFHD2	EFHD2
Bt.27897.1.S1_at	2.25	PINX1	PINX1
Bt.6048.1.S1_at	2.25	---	PSD4
Bt.21115.2.S1_at	2.25	SEC23A	SEC23A
Bt.15742.1.S1_at	2.25	CD47	CD47
Bt.27208.1.S1_at	2.25	AGPAT3	AGPAT3
Bt.24881.1.S1_at	2.25	LOC539690	C1QR1
Bt.7081.1.S1_at	2.25	PTPRE	PTPRE
Bt.29491.1.A1_at	2.25	---	LRRK2
Bt.20893.2.S1_at	2.25	PNPO	PNPO
Bt.18755.1.A1_at	2.25	LOC790875	GSK3B
Bt.13679.1.S1_at	2.25	ZNF207	ZNF207
Bt.5193.2.S1_a_at	2.24	ACP5	ACP5
Bt.12407.1.S1_at	2.24	CHD4	CHD4
Bt.635.1.S1_at	2.24	MSH2	MSH2
Bt.13376.1.S1_at	2.24	DHRS1	DHRS1
Bt.7467.1.S1_at	2.24	---	KCTD12
Bt.23093.1.S1_at	2.24	CXCL3	CXCL3
Bt.3350.1.A1_at	2.24	UBE2R2	UBE2R2
Bt.12111.1.S1_at	2.24	---	AOF1
Bt.12634.1.A1_at	2.24	LOC616371	C9orf150
Bt.26889.1.S1_at	2.24	SLC33A1	SLC33A1
Bt.9457.1.S1_at	2.24	MGC128036	COX17
Bt.5080.1.A1_at	2.23	C7H19orf10	C19orf10
Bt.4484.1.S1_at	2.23	---	NSUN6 ARL8
Bt.9705.1.S1_at	2.23	---	NKTR
Bt.6730.1.S1_at	2.23	SNX12	SNX12
Bt.21847.1.A1_at	2.23	---	SSH2
Bt.23599.1.S1_at	2.23	PON2	PON2
Bt.2958.1.A1_at	2.23	NKRF	NKRF
Bt.22149.1.S1_at	2.23	LOC614841	LOC400451
Bt.18519.1.A1_at	2.23	RSBN1	RSBN1
Bt.9516.1.S1_at	2.23	CDC37L1	CDC37L1
Bt.4964.1.S1_at	2.23	TP53BP1	TP53BP1
Bt.18131.1.A1_at	2.23	---	CHML
Bt.12261.1.A1_at	2.23	TASP1	C20orf13
Bt.10813.1.S1_at	2.23	PDLIM4	PDLIM4

Bt.6846.1.S1_at	2.23	ARPC2 /// LOC785054	ARPC2
Bt.18724.1.S1_at	2.23	MYCBP	MYCBP
Bt.9244.1.A1_at	2.23	RSPRY1	KIAA1972
Bt.28363.1.S1_at	2.22	---	---
Bt.20118.1.S1_at	2.22	SAR1A	SARA1
Bt.12337.1.S1_a_at	2.22	CHCHD5 /// LOC783221	CHCHD5
Bt.21408.1.S1_at	2.22	UBE2S	UBE2S
Bt.8679.2.S1_at	2.22	DLAT	DLAT
Bt.18025.1.S1_at	2.22	---	IBTK
Bt.22614.2.S1_at	2.22	---	---
Bt.11869.1.S1_at	2.22	LOC785548	ICMT
Bt.2786.1.S1_at	2.22	MGC139603	C11orf24
Bt.27563.1.A1_at	2.22	OSBPL11	OSBPL11
Bt.3726.2.S1_at	2.21	DDEF2	DDEF2
Bt.26730.1.S1_at	2.21	TOR1AIP2	LOC163590
Bt.25887.1.A1_at	2.21	UGCG	UGCG
Bt.13850.1.A1_at	2.21	LYPLA1	LYPLA1
Bt.23089.1.S1_at	2.21	LOC783547	MRC1L1
Bt.13278.2.S1_a_at	2.21	STEAP3	TSAP6
Bt.1768.1.A1_at	2.21	THOC4	THOC4
Bt.13181.9.S1_at	2.21	LUC7L	LUC7L
Bt.1275.1.S1_at	2.21	LOC517354	CX3CL1
Bt.11219.1.A1_at	2.21	PAPSS1	PAPSS1
Bt.1800.1.S1_at	2.21	LOC510385	MGC29875
Bt.26755.1.S1_at	2.21	FKBP15	KIAA0674
Bt.7432.1.A1_at	2.21	---	---
Bt.8826.1.S1_at	2.21	DNM2	DNM2
Bt.19737.1.A1_at	2.21	---	LYCAT
Bt.5508.1.S1_at	2.21	IFNAR2	IFNAR2
Bt.23527.1.S1_at	2.21	RSU1	RSU1
Bt.393.1.S1_at	2.21	CTSB	CTSB
Bt.3953.1.S1_at	2.20	THOC3	THOC3
Bt.19243.2.S1_at	2.20	SNX6	SNX6
Bt.21917.1.S1_at	2.20	PDXP	PDXP
Bt.21678.1.S1_at	2.20	TAPBP	TAPBP
Bt.16733.1.A1_s_at	2.20	NARF	NARF
Bt.28486.1.S1_at	2.20	ARFGEF2	ARFGEF2
Bt.22546.1.S1_at	2.20	MED11	MGC88387
Bt.22586.1.A1_at	2.20	IMPAD1	IMPA3
Bt.20559.2.A1_at	2.20	---	ATP13A3
Bt.20217.1.S1_at	2.20	NCLN	NCLN
Bt.18652.2.S1_at	2.20	ALG6	ALG6
Bt.22090.1.S1_at	2.20	---	BTBD5
Bt.21284.1.A1_at	2.20	---	CRIM1
Bt.15313.1.S1_at	2.20	ING2	ING2
Bt.7325.1.S1_at	2.20	BAT2	BAT2
Bt.20414.3.S1_at	2.20	ROCK2	ROCK1
Bt.24859.1.A1_at	2.20	OSMR	OSMR
Bt.2594.1.S1_at	2.19	SFRS2	SFRS2
Bt.23825.1.S1_at	2.19	TNFAIP1	TNFAIP1
Bt.20054.1.S1_at	2.19	IRF9	ISGF3G
AFFX-Bt_eIF-4E_5_at	2.19	---	---
Bt.20738.1.S1_at	2.19	FAR1	MLSTD2
Bt.27875.1.A1_at	2.19	POLR3B	POLR3B
Bt.13743.1.A1_at	2.19	LOC523532	RFK
Bt.22634.2.A1_at	2.19	PTGFRN	PTGFRN



Bt.6837.2.S1_at	2.18	RFFL	RFFL
Bt.9200.1.A1_at	2.18	WDR70	FLJ10233
Bt.26797.1.S1_at	2.18	DENND2D	FLJ22457
Bt.22232.1.S1_at	2.18	TOR2A	TOR2A
Bt.28427.1.S1_at	2.18	PAK4	PAK4
Bt.1042.1.S1_at	2.18	SLC39A13	SLC39A13
Bt.17777.3.S1_at	2.18	OPTN	OPTN
AFFX-Bt-gapd-3_at	2.18	GAPDH	
Bt.28100.1.S1_at	2.18	ALG2	ALG2
Bt.27039.1.A1_at	2.17	---	C9orf40 C9orf41
Bt.24859.2.S1_at	2.17	OSMR	OSMR
Bt.22090.2.S1_at	2.17	---	BTBD5
Bt.1400.1.S1_at	2.17	MAPK1IP1L	C14orf32
Bt.9779.1.S1_at	2.17	ISG12(B)	FAM14A
Bt.13245.1.A1_at	2.17	MARK1	MARK1
Bt.4302.1.S1_at	2.17	NUP188	NUP188
Bt.22575.1.A1_at	2.17	TMEM167A	MGC23909
Bt.23713.1.A1_at	2.17	---	DKFZp434H2226 FLJ30596 SKP2
Bt.10808.1.S1_at	2.17	SLC25A17	SLC25A17
Bt.9448.1.S2_at	2.17	TPM3	TPM3
Bt.14626.1.S1_at	2.16	TMEM159	LOC57146
Bt.23091.1.S1_at	2.16	PSMD1	PSMD1
Bt.22739.1.A1_at	2.16	SOCS4	SOCS4
Bt.23380.2.S1_at	2.16	HNRNPA1	HNRPA1
Bt.23348.1.S1_a_at	2.16	ZYX	ZYX
Bt.9068.1.S1_at	2.16	---	MYH9
Bt.27072.1.A1_at	2.16	PB1	PB1
Bt.20217.2.S1_at	2.16	---	NCLN
Bt.15231.1.S1_at	2.16	ARHGEF6	ARHGEF6
Bt.22437.1.S1_at	2.16	LOC613483	MGC17624
Bt.21218.1.A1_at	2.16	HMBS	HMBS
Bt.640.1.A1_at	2.16	---	ZNF266
Bt.7646.1.S1_at	2.16	FLNB	FLNB
Bt.8650.1.A1_at	2.16	STIM2	STIM2
Bt.4426.1.S1_at	2.16	EIF6	ITGB4BP
Bt.13534.1.S1_at	2.16	HRASLS3	HRASLS3
Bt.13298.1.S1_at	2.15	TARS2	TARSL1
Bt.5252.1.S1_at	2.15	PGAM1	PGAM2 BPGM PGAM1
Bt.7644.1.S1_at	2.15	PSMB3	PSMB3
Bt.28701.1.S1_at	2.15	KBTBD2	KBTBD2
Bt.5922.1.S1_at	2.15	HOMER2	HOMER2
Bt.287.1.S1_at	2.15	RNASE6	RNASE6
Bt.6333.1.S1_at	2.15	ARFIP2	ARFIP2
Bt.27878.1.S1_at	2.15	SLC25A13	SLC25A13
Bt.12649.1.S1_at	2.15	IMPAD1	IMPA3
Bt.12360.1.S1_at	2.15	---	TM4SF17
Bt.9957.1.S1_at	2.15	SFN	SFN
Bt.11280.1.S1_at	2.15	BANP	BANP
Bt.13351.1.S1_at	2.14	GLT25D1	GLT25D1
Bt.6715.2.S1_at	2.14	C5H22orf28	HSPC117
Bt.10179.1.S1_at	2.13	BPIL2	PPFIBP1
Bt.20606.2.S1_at	2.13	---	SFRS1
Bt.9281.1.A1_at	2.13	MGC139228	FLJ31438
Bt.9286.1.S1_at	2.13	---	LITAF
Bt.4093.1.S1_at	2.13	BLVRB	BLVRB

Bt.26935.3.S1_a_at	2.13	TAF13	TAF13
Bt.20443.1.S1_at	2.13	PSMD2	PSMD2
Bt.7347.1.S1_at	2.13	---	PLEKHA8
Bt.4824.1.A1_at	2.13	---	SEC10L1
Bt.5382.1.S1_at	2.13	NT5C2	NT5C2
Bt.16259.2.S1_at	2.12	---	SLK
Bt.2914.2.S1_at	2.13	---	ANKFY1
Bt.15528.1.S1_at	2.12	MIF	MIF
Bt.13605.1.A1_at	2.12	---	ATXN1
Bt.1199.1.S1_at	2.12	KDELR3	KDELR3
Bt.20988.1.S1_at	2.12	LOC614801	LOC401207
Bt.1987.1.S1_at	2.12	TAX1BP3	TAX1BP3
Bt.16073.1.A1_at	2.12	SORL1	SORL1
Bt.17641.1.A1_at	2.12	CLLD6	C13orf1
Bt.5267.1.S1_at	2.12	ANXA6	ANXA6
Bt.6434.2.S1_at	2.12	RNF149	RNF149
Bt.2501.2.A1_at	2.12	---	SOD2
Bt.9781.1.S1_at	2.11	---	EGFL5
Bt.5154.1.S1_at	2.11	HSPA1A /// HSPA1B	HSPA1B HSPA1A
Bt.12559.1.S1_at	2.11	ACLY	ACLY
Bt.4994.1.S1_at	2.11	TMEM165	TPARL
Bt.27852.2.S1_at	2.11	PGPEP1	PGPEP1
Bt.9547.1.S2_at	2.11	FAM32A	FAM32A
Bt.28782.1.A1_at	2.11	NAGPA	NAGPA
Bt.6680.1.S1_a_at	2.11	FKBP2	FKBP2
Bt.21399.3.S1_a_at	2.11	PTPRS	NEGR1
Bt.27009.1.S1_at	2.11	---	KIAA1935
Bt.29153.1.S1_at	2.11	---	SLC6A6
Bt.7221.1.S1_at	2.10	ND6 /// PPID	PPID
Bt.8543.1.S1_at	2.10	PPP1R16B	PPP1R16B
Bt.13257.2.A1_at	2.10	LTV1	C6orf93
Bt.3527.1.S1_at	2.10	LOC616297	C20orf20
Bt.8331.1.S1_at	2.10	LOC618766	MGC70857
Bt.25681.1.A1_at	2.10	RWDD2A	RWDD2
Bt.1500.1.S1_at	2.10	CORO1B	CORO1B
Bt.20227.1.S1_at	2.10	---	SLC25A15
Bt.26687.1.S1_at	2.10	AAAS	AAAS
Bt.19243.1.A1_at	2.10	SNX6	SNX6
Bt.9828.1.S2_at	2.10	HINT3	HINT3
Bt.18822.1.A1_at	2.10	TRIB2	TRIB2
Bt.28758.1.A1_at	2.10	---	PTPN12
Bt.6105.1.S1_at	2.09	LOC619120	FLJ13725
Bt.19121.2.S1_a_at	2.09	CCDC134	FLJ22349
Bt.8690.1.S1_at	2.09	PLEKHB2	PLEKHB2
Bt.13227.1.A1_at	2.09	RELL1	LOC253981
Bt.26960.1.S1_at	2.09	UBFD1	UBPH
Bt.22168.1.A1_at	2.09	HSPA4	HSPA4
Bt.11326.1.S1_at	2.09	AKIRIN2	C6orf166
Bt.1993.2.A1_at	2.09	HISPPD1	KIAA0433
Bt.6152.1.S1_at	2.09	---	KIF1B
Bt.10146.2.S1_at	2.09	LOC788125	MARCH5
Bt.5413.3.A1_a_at	2.09	GBA	GBA
Bt.20532.1.S1_at	2.09	PSMB9	PSMB9
Bt.22092.1.S1_at	2.09	TAF9	TAF9
Bt.23550.1.S1_at	2.08	DGAT2	DGAT2
Bt.942.2.S1_at	2.08	---	SAMHD1

Bt.13505.1.S1_at	2.08	GPI	GPI
Bt.21470.2.S1_a_at	2.08	FADS3	FADS3
Bt.29514.1.A1_at	2.08	---	TFPI2
Bt.28780.2.A1_at	2.08	FGD4	FGD4
Bt.22620.2.A1_at	2.08	---	ZBTB1
Bt.28882.1.A1_at	2.08	---	YTHDC2
Bt.5605.1.S1_at	2.08	---	MARCKS
Bt.8766.1.S1_at	2.08	ASAH1	ASAH1
Bt.633.1.S1_at	2.07	SFXN1	SFXN1
Bt.9460.1.S1_at	2.07	ELF1	---
Bt.22066.1.A1_s_at	2.07	KHDRBS1	KHDRBS1
Bt.15909.1.S1_at	2.07	LOC530070	DKFZP564F0522
Bt.21888.1.S1_at	2.07	LOC784903	DKFZP434H132
Bt.12462.1.S1_at	2.07	LSR	LISCH7
Bt.4523.1.S1_at	2.07	DCTN5	MGC3248
Bt.3236.1.A1_at	2.07	ARHGEF3	ARHGEF3
Bt.8834.1.S1_at	2.07	NRM	NRM
Bt.4273.1.S1_at	2.07	HSPA5	HSPA5
Bt.22620.1.S1_at	2.07	---	ZBTB1
Bt.7389.1.S1_at	2.07	TCERG1	TCERG1
Bt.20299.1.S1_at	2.07	STXBP2	STXBP2
Bt.17367.1.S1_at	2.07	DNAJB1	DNAJB1
Bt.9713.1.S1_at	2.07	GALNT11	GALNT11
Bt.28719.1.S1_at	2.07	ACOT2	ZAP128
Bt.24380.1.A1_at	2.07	KLHL28	BTBD5
Bt.20553.1.A1_at	2.07	---	RBM13
Bt.647.1.S1_at	2.06	MTPN	MTPN
Bt.29345.1.A1_at	2.06	DDX10	DDX10
Bt.4762.1.S1_at	2.06	BOLA-NC1	HLA-A
Bt.2888.1.S1_at	2.06	OSTF1	OSTF1
Bt.20530.1.S1_at	2.06	NMRAL1	HSCARG
Bt.7514.1.S1_at	2.06	NUP153	NUP153
Bt.2559.1.S1_at	2.06	CETN2	CETN2
Bt.23941.1.A1_at	2.06	---	ZFP161
Bt.11873.1.A1_at	2.06	SSX2IP	SSX2IP
Bt.3750.1.S1_at	2.06	S100A11	S100A11
Bt.6777.1.S1_at	2.06	WTAP	WTAP
Bt.9629.1.S1_at	2.06	ZFP36L1	ZFP36L1
Bt.12164.1.S1_at	2.05	---	MLR2 C10orf12 SLIT1
Bt.29178.1.S1_at	2.05	SPTLC2	SPTLC2
Bt.17148.1.S1_at	2.05	FEM1C	FEM1C
Bt.9064.1.S1_at	2.05	STAT1	STAT1
Bt.24340.1.S1_at	2.05	HIRIP3	HIRIP3
Bt.19780.1.A1_at	2.05	---	LNK
Bt.10163.1.S1_at	2.05	---	FLJ23790
Bt.13723.1.S1_at	2.05	---	SULT1B1
Bt.6230.1.S1_at	2.05	C29H11orf10	C11orf10
Bt.13608.1.A1_at	2.05	---	RPS20
Bt.8102.1.S1_at	2.05	SLC39A7	SLC39A7
Bt.16310.1.A1_at	2.05	SLC1A2	SLC1A2
Bt.13278.1.S1_at	2.05	STEAP3	TSAP6
Bt.10251.1.S1_at	2.05	---	MLR2 C10orf12 SLIT1
Bt.29952.1.S1_at	2.04	---	BTBD14B
Bt.24098.1.A1_at	2.04	IFIH1	IFIH1
Bt.22783.1.S1_at	2.04	ENO1	ENO1
Bt.9021.1.S1_at	2.04	SLC25A24	SLC25A24

Bt.28508.1.S1_at	2.04	PRKAA1	PRKAA1
Bt.2765.1.S1_at	2.04	---	FMNL2
Bt.1075.1.A1_at	2.04	ZNF24	ZNF24
Bt.250.1.S1_at	2.04	NMT1	NMT1
Bt.13528.1.A1_at	2.04	PSMD12	PSMD12
Bt.28729.1.A1_at	2.04	ING2	ING2
Bt.282.1.S1_at	2.04	VDAC3	VDAC3
Bt.3809.2.S1_a_at	2.04	HNRNPD	HNRNPD
Bt.15728.1.S1_at	2.04	DDB2	DDB2
Bt.23566.1.A1_at	2.04	LOC785936	C10orf78
Bt.5296.1.S1_at	2.04	SQRDL	SQRDL
Bt.10230.2.A1_at	2.04	MLSTD2	MLSTD2
Bt.4606.1.S1_at	2.03	---	KLF6
Bt.9914.1.S1_at	2.03	DPM3	DPM3
Bt.7078.1.S2_at	2.03	TXNDC5	TXNDC5
Bt.13259.1.S1_at	2.03	PINK1	PINK1
Bt.24436.1.S1_at	2.03	---	---
Bt.1985.1.S1_at	2.03	SYS1	SYS1
Bt.29889.1.S1_at	2.03	TLR1 /// TLR6	TLR6
Bt.1197.1.A1_at	2.03	---	FLJ12903
Bt.11167.1.S1_at	2.02	GLRX5	C14orf87 CN087
Bt.13688.1.S1_at	2.02	PPP2R5C	PPP2R5C
Bt.18756.1.S1_at	2.02	CDC42SE2	CDC42SE2
Bt.9969.1.S1_at	2.02	PITPNB	PITPNB
Bt.20433.1.S1_at	2.02	MFAP1	MFAP1
Bt.11647.1.A1_at	2.02	LOC785419	UBP1
Bt.5624.1.S1_at	2.02	CHMP2A	BC-2
Bt.22853.1.S1_at	2.02	C17H22ORF13	C22orf13
Bt.3877.2.S1_a_at	2.02	CD37	CD37
Bt.27843.1.S1_at	2.02	CCRN4L	CCRN4L
Bt.20513.1.S1_at	2.02	MARK2	MARK2
Bt.24790.1.A1_at	2.02	PTPRG	PTPRG
Bt.15729.1.S1_at	2.02	PSME2	PSME2
Bt.26358.1.S1_at	2.02	STAM	STAM
Bt.20944.1.A1_at	2.01	RBM25	RBM25
Bt.5176.2.A1_at	2.02	LOC527992	TIA1
Bt.27835.1.S1_at	2.01	VPS18	VPS18
Bt.9124.1.A1_at	2.01	WIPF1	WASPIP
Bt.3856.1.S1_at	2.01	SLC35B1	SLC35B1
Bt.24037.1.A1_at	2.01	---	MFAP1
Bt.24289.1.A1_at	2.01	---	C6orf107
Bt.11449.1.S1_at	2.01	PREB	PREB
Bt.18073.1.A1_at	2.01	---	---
Bt.832.1.S1_at	2.01	HADHB	HADHB
Bt.17442.1.S1_at	2.01	ABR	ABR
Bt.24200.1.S1_at	2.01	FAM122B	FLJ10747
Bt.13201.1.S1_at	2.01	DSC2	DSC2
Bt.9202.1.S1_at	2.01	FGL2	FGL2
Bt.6116.1.S1_a_at	2.01	HTRA2	PRSS25
Bt.17223.1.S1_at	2.01	IFI35	IFI35
Bt.14626.1.S1_a_at	2.00	TMEM159	LOC57146
Bt.27370.1.S1_at	2.00	HEATR3	FLJ20718
Bt.868.1.S1_a_at	2.00	MAPBPIP	MAPBPIP
Bt.27926.1.S1_at	2.00	UCHL3	UCHL3
Bt.7585.1.S1_at	2.00	SLC12A4	SLC12A4
Bt.19227.2.A1_at	2.00	---	ATP2B1



Bt.12847.1.S1_at	-16.26	STATH	STATH
Bt.20397.1.S1_at	-15.97	CXCL14	CXCL14
Bt.21137.1.S1_at	-15.54	---	SLC34A2
Bt.2266.1.A1_at	-15.03	TRAF3IP3	T3JAM
Bt.11489.2.A1_at	-14.99	LOC523214	HIST1H3J HIST1H3H HIST1H3A  HIST1H3E HIST1H3B HIST1H3G  HIST1H3I HIST1H3C HIST1H3F
Bt.20329.1.A1_at	-14.57	ARL4D	ARF4L
Bt.3595.1.S1_at	-14.53	MGP	MGP
Bt.20020.1.S1_at	-14.02	HABP4	HABP4
Bt.12728.1.A1_a_at	-13.84	---	---
Bt.4492.1.S1_at	-13.81	COLEC12	COLEC12
Bt.13204.1.S1_at	-13.58	FGL1	FGL1
Bt.28238.1.A1_at	-13.44	---	PPM1K
Bt.19232.1.A1_at	-13.39	---	PHYHIPL FAM13C1
Bt.24266.2.S1_at	-13.25	KANK1	ANKRD15
Bt.4127.1.S1_at	-13.20	SECTM1	SECTM1
Bt.29205.1.A1_at	-13.19	---	SLC5A9
Bt.20329.2.S1_at	-13.13	ARL4D	ARF4L
Bt.29022.1.S1_at	-13.03	---	KLHL14
Bt.4414.1.S1_at	-12.61	SYT17	LOC51760
Bt.18380.1.A1_at	-12.53	---	---
Bt.29464.1.A1_at	-12.46	LOC614047	---
Bt.11460.1.A1_at	-12.36	---	PTPN14 SMYD2
Bt.20955.2.S1_at	-12.11	---	HLF
Bt.8618.1.S1_at	-12.04	---	---
Bt.24817.1.S1_at	-11.65	ACYP2	ACYP2
Bt.27332.1.A1_at	-11.60	---	GPC6
Bt.23401.1.S1_at	-11.57	FHL1	FHL1
Bt.18557.1.S1_at	-11.54	C7	C7
Bt.27689.1.A1_at	-11.49	WISP2	WISP2
Bt.14565.1.A1_at	-11.38	RELN	RELN
Bt.13556.2.A1_x_at	-11.25	LOC781004	CFH
Bt.26310.1.A1_at	-11.17	INPP4B	INPP4B
Bt.26950.1.A1_at	-11.12	SLC39A12	SLC39A12
Bt.13898.2.S1_at	-11.08	RPS27L	RPS27L
Bt.27122.1.S1_at	-10.85	---	SESTD1
Bt.29391.1.S1_at	-10.67	IL20RA	IL20RA
Bt.25189.1.A1_at	-10.59	FAM55C	FAM55C
Bt.5027.1.A1_at	-10.56	PEG3	PEG3
Bt.21137.2.S1_at	-10.50	---	SLC34A2
Bt.12211.1.S1_at	-10.40	PECI	PECI
Bt.8371.1.S1_at	-10.29	---	LRP2
Bt.25964.1.A1_at	-10.27	---	AAK1
Bt.28214.1.S1_at	-10.04	SLC1A4	---
Bt.7651.1.S1_at	-10.01	ASB11	ASB11
Bt.21680.1.S1_a_at	-9.97	PIR	PIR
Bt.4703.1.S1_at	-9.88	MYOC	MYOC
Bt.13975.2.A1_at	-9.87	PLA1A	APOD
Bt.17377.1.S1_at	-9.82	MOBKL2B	MOBKL2B
Bt.12455.1.S1_at	-9.75	---	SNTB1
Bt.23667.2.S1_at	-9.71	---	P2RY5
Bt.26895.1.S1_at	-9.63	LOC521099	FAM20A
Bt.10631.1.A1_at	-9.53	ZNF547	ZNF568
Bt.22854.2.S1_at	-9.54	FASN	FASN
Bt.19825.1.S1_at	-9.48	UGT2B7	UGT2B4

Bt.13556.2.A1_at	-9.44	LOC510640	CFH
Bt.19936.1.A1_at	-9.29	---	---
Bt.27477.1.A1_at	-9.26	---	C6orf182
Bt.15038.1.A1_at	-9.18	SPATA5	SPATA5
Bt.4177.3.A1_at	-9.15	LOC781194	ROBO2
Bt.7600.1.S1_at	-9.01	NEU1	HIST1H2AC
Bt.2266.3.S1_at	-8.90	TRAF3IP3	T3JAM
Bt.22672.1.A1_at	-8.82	HPGD	HPGD
Bt.22409.1.S1_at	-8.78	HSPA12A	HSPA12A
Bt.5030.1.S1_at	-8.72	SLC18A2	SLC18A2
Bt.7083.1.S1_at	-8.66	ZNF527	ZNF527
Bt.13556.1.S1_a_at	-8.64	CFH	CFH
Bt.18218.1.A1_at	-8.56	PPP3CC	PPP3CC
Bt.13315.1.S1_at	-8.51	LOC768237	FLJ20920
Bt.17819.1.S1_at	-8.41	SCNN1G	SCNN1G
Bt.24211.1.A1_at	-8.37	ASPN	ASPN
Bt.21543.1.S1_at	-8.36	---	PRKCA
Bt.18428.1.A1_at	-8.35	---	---
Bt.21229.1.S1_at	-8.30	ST7L	ST7L
Bt.21249.1.S1_at	-8.26	LOC509555	U2AF1
Bt.20681.1.A1_at	-8.25	RYBP	RYBP
Bt.18634.2.S1_at	-8.24	PPM1K	PPM1K
Bt.5530.1.S1_at	-8.21	DHRS3	DHRS3
Bt.16614.1.A1_s_at	-8.21	LOC100174924	---
Bt.3357.1.S1_at	-8.18	HMGCL	HMGCL
Bt.20014.1.S1_at	-8.17	---	LOC153222 BNIP1
Bt.27003.1.S1_at	-8.11	RETSAT	RetSat
Bt.20896.1.A1_at	-8.03	RNASE12	RNASE12
Bt.4392.2.A1_at	-7.91	---	---
Bt.15925.1.S1_at	-7.87	EPHX2 /// LOC785508	EPHX2
Bt.21997.1.S1_at	-7.85	PPM1K	PPM1K
Bt.23575.1.A1_at	-7.77	---	ECM2
Bt.1792.1.S1_at	-7.71	BDH2	DHRS6
Bt.20678.1.A1_at	-7.71	---	LOC387647 SVIL LYZL1
Bt.97.1.S1_at	-7.70	FABP4	FABP4
Bt.12209.1.S1_at	-7.68	---	TMCC1
Bt.20173.1.A1_at	-7.67	DPT	DPT
Bt.4844.1.S1_at	-7.67	PTN	PTN
Bt.25328.1.A1_at	-7.66	---	---
Bt.6642.2.S1_at	-7.65	---	LPIN1
Bt.15927.1.S1_at	-7.64	MGC159964	WIPI49
Bt.8238.1.A1_at	-7.61	TRIB3	TRIB3
Bt.20969.1.S1_at	-7.58	PEMT	PEMT
Bt.2.1.S1_at	-7.58	CDC2	CDC2
Bt.21761.1.S1_a_at	-7.57	TMOD4	TMOD4
Bt.22004.1.A1_at	-7.52	---	AVPR1B LOC440712 CTSE
Bt.23682.1.S1_at	-7.48	SNAP23	PYGL
Bt.17741.1.A1_at	-7.48	ST7L	ST7L WNT2B
Bt.21543.3.S1_at	-7.48	---	PRKCA
Bt.9406.1.S1_at	-7.46	RAB26	RAB26
Bt.2452.1.S1_at	-7.44	LUM	LUM
Bt.9418.2.S1_at	-7.36	---	ILKAP
Bt.8135.1.S1_at	-7.31	LRAT	LRAT
Bt.23354.1.S1_at	-7.24	EPHX1	EPHX1
Bt.11763.1.S1_at	-7.18	---	SPAG7 KIF1C CAMTA2 INCA1
Bt.4788.1.S1_at	-7.15	BTN1A1	BTN1A1

Bt.29461.1.A1_at	-6.95	---	KIAA1804
Bt.16412.1.S1_a_at	-6.92	FAH	FAH
Bt.22494.1.S1_at	-6.89	---	FLJ43339
Bt.7033.3.S1_at	-6.86	FOLR1	FOLR1
Bt.19479.2.A1_a_at	-6.83	TNRC6C	TNRC6C
Bt.21547.2.S1_at	-6.80	PKP2	PKP2
Bt.8.1.S1_at	-6.78	KRT10 /// LOC100138974	KRT10
Bt.13899.1.A1_at	-6.76	ENPP1	ENPP1
Bt.12984.1.S1_at	-6.76	SLC38A3	SLC38A3
Bt.4539.1.S1_at	-6.76	AGTR1	AGTR1
Bt.20955.1.A1_at	-6.75	---	HLF
Bt.27828.1.S1_at	-6.64	LOC505010	CLMN
Bt.27565.1.S1_at	-6.63	PTPRK	PTPRK
Bt.21680.1.S1_at	-6.60	PIR	PIR
Bt.1928.1.S1_at	-6.57	WDR59	FLJ12270
Bt.22843.2.A1_at	-6.54	GRP	GRP
Bt.25026.1.A1_at	-6.51	MED13L	LOC92558 RAB35 GCN1L1
Bt.8059.2.A1_a_at	-6.50	JOSD3	---
Bt.2191.2.S1_at	-6.48	---	PPP3CC
Bt.15697.2.S1_at	-6.44	---	PER2
Bt.25344.1.S1_at	-6.44	---	ZNF418
Bt.9185.1.A1_at	-6.44	GRAMD1C	DKFZp434C0328
Bt.3732.1.A1_at	-6.39	---	ARG99
Bt.23667.1.S1_at	-6.34	P2RY5	P2RY5
Bt.5343.1.A1_at	-6.33	CD300LG	---
Bt.6802.1.S1_at	-6.33	---	RGS5
Bt.25001.1.A1_at	-6.32	---	TPM1
Bt.10994.1.S1_at	-6.23	SNAP23	---
Bt.15764.1.S1_at	-6.22	SIRT3	SIRT3
Bt.20403.1.S1_at	-6.22	LOC789882	---
Bt.7116.1.A1_at	-6.21	SIAE	CSE-C
Bt.10587.1.S1_at	-6.20	MAN1C1	MAN1C1
Bt.17398.1.A1_at	-6.14	---	MOBKL2B
Bt.1525.1.S2_at	-6.14	AQP1	AQP1
Bt.8804.1.S1_at	-6.12	NELL2	NELL2
Bt.20167.1.S1_at	-6.11	CIDEA	CIDEA
Bt.6642.1.S1_at	-6.10	---	LPIN1
Bt.405.1.S1_at	-6.06	FST	FST
Bt.28692.1.S1_at	-6.05	LOC518393	---
Bt.22026.1.S1_at	-6.05	MERTK	MERTK
Bt.18327.1.A1_at	-5.98	---	---
Bt.8421.2.S1_at	-5.96	---	ALDH6A1
Bt.16384.1.A1_at	-5.95	---	---
Bt.18349.1.A1_at	-5.91	---	---
Bt.25013.1.A1_at	-5.91	---	---
Bt.17819.2.A1_at	-5.84	SCNN1G	SCNN1G
Bt.3177.1.A1_at	-5.76	---	CTDSPL
Bt.26919.1.S1_at	-5.75	NTN4	NTN4
Bt.5223.1.S1_at	-5.72	DLK1	DLK1
Bt.9325.1.A1_at	-5.72	---	BCL6 RTP2 SST
Bt.3372.3.S1_a_at	-5.68	AGPAT6	DKFZp586M1819
Bt.11217.2.S1_a_at	-5.63	MUC15	MUC15
Bt.2236.1.S1_at	-5.63	CREB3L1	CREB3L1
Bt.12640.1.S1_at	-5.60	ACSS2	ACAS2
Bt.5056.2.A1_at	-5.59	EFEMP1	EFEMP1
Bt.28209.1.S1_at	-5.58	RGMB	RGMB



Bt.19644.1.A1_at	-5.58	---	---
Bt.436.1.S1_at	-5.57	ALDH6A1	ALDH6A1
Bt.11092.1.S1_at	-5.55	---	C1orf21
Bt.15697.1.A1_at	-5.55	---	PER2
Bt.14055.1.S1_at	-5.54	FRAT2	FRAT2
Bt.24786.1.S1_at	-5.53	STX19	MGC21382
Bt.15740.2.S1_at	-5.53	TPD52L1	TPD52L1
Bt.18634.1.A1_at	-5.51	PPM1K	PPM1K
Bt.3372.2.S1_a_at	-5.47	AGPAT6	DKFZp586M1819
Bt.9850.1.A1_at	-5.40	TMEM171	LOC134285
Bt.27371.1.S1_at	-5.39	---	C14orf101
Bt.1458.1.S1_at	-5.31	PGM5	PGM5
Bt.5392.1.S1_at	-5.31	CD36	CD36
Bt.23508.1.A1_at	-5.29	COL6A1	COL6A1
Bt.1268.2.S1_at	-5.27	---	SET7
Bt.3200.1.S1_at	-5.26	DCXR	DCXR
Bt.5505.1.S1_at	-5.25	LOC540153	TENC1
Bt.19329.2.S1_at	-5.21	EFHD1	EFHD1
Bt.24139.1.A1_at	-5.20	---	TMCC1
Bt.12872.1.S1_at	-5.20	BTBD3	BTBD3
Bt.2598.1.S1_at	-5.19	ALOX15	ALOX15
Bt.10354.1.S1_at	-5.18	---	PELO
Bt.4726.2.S1_at	-5.17	---	NEO1
Bt.20074.1.S1_a_at	-5.17	---	GRPEL2 FLJ36748 MGC3265  IL17B
Bt.27422.1.A1_at	-5.14	ZMYND12	ZMYND12
Bt.2411.1.S1_at	-5.10	AMIGO1	AMIGO
Bt.25836.1.A1_at	-5.07	OLFML1	OLFML1
Bt.12444.1.A1_at	-5.06	TEX261	TEX261
Bt.28465.1.S1_at	-5.05	BUD31	ENK10
Bt.25948.1.A1_at	-5.05	DTX1	DTX1
Bt.13735.1.S1_at	-5.01	---	---
Bt.13482.1.S1_at	-5.00	NOV	NOV
Bt.19483.1.A1_at	-5.00	DEPDC7	LOC91614
Bt.20918.1.A1_at	-4.99	PIK3IP1	MGC17330
Bt.12698.1.A1_at	-4.99	---	LOC55565 DHODH PKD1L3
Bt.25886.1.A1_at	-4.98	---	EML5
Bt.20994.1.S1_at	-4.96	---	---
Bt.17673.1.A1_at	-4.95	LOC788986	RNF39
Bt.12706.1.A1_at	-4.92	---	FLJ20152 ZNF622
Bt.20295.1.A1_at	-4.91	FST	FST
Bt.14209.1.A1_at	-4.91	---	ADAMTSL3
Bt.1788.1.A1_at	-4.90	LOC511901	H1FX
Bt.23178.1.S1_at	-4.90	DCN	DCN
Bt.24901.1.A1_at	-4.87	NAP1L5	NAP1L5
Bt.13235.1.S1_at	-4.87	MGC148992	RGC32
Bt.17081.2.S1_at	-4.87	LMO2	LMO2
Bt.5515.1.S1_at	-4.86	NT5E	NT5E
Bt.6928.1.S1_at	-4.81	RNF130	RNF130
Bt.3278.1.A1_at	-4.80	EFNA5	EFNA5
Bt.10515.1.S1_at	-4.80	NXN	NXN
Bt.2881.1.S1_at	-4.79	NDRG4	NDRG4
Bt.15623.1.S1_at	-4.78	---	DST
Bt.4069.2.S1_at	-4.76	LOC506239	SPTBN2
Bt.10272.1.S1_at	-4.76	STC1	STC1
Bt.20609.1.S1_at	-4.74	EEF2K	EEF2K

Bt.22460.1.S2_at	-4.74	MAOB	MAOB
Bt.4695.1.S1_at	-4.73	PIGR	PIGR
Bt.28159.1.S1_at	-4.72	DTNA	DTNA
Bt.5292.1.S1_at	-4.71	PER1	PER1
Bt.13306.1.S1_at	-4.71	---	SORBS1
Bt.27196.1.A1_at	-4.70	LOC100139581	CRTAC1
Bt.17081.1.A1_at	-4.69	LMO2	LMO2
Bt.17906.1.S1_at	-4.69	ZNF667	FLJ14011
Bt.3247.1.S1_at	-4.69	MATN2	MATN2
Bt.4833.1.S1_at	-4.68	VRK3	VRK3
Bt.2179.1.S1_a_at	-4.68	SALL2	SALL2
Bt.25099.2.S1_at	-4.67	PSPH	PSPH
Bt.16916.3.S1_at	-4.63	KLF11	KLF11
Bt.18500.1.A1_at	-4.62	---	CG018
Bt.24786.2.A1_at	-4.61	STX19	MGC21382
Bt.16916.1.S1_at	-4.59	KLF11	KLF11
Bt.4804.2.A1_at	-4.57	CDKN1C	CDKN1C
Bt.9930.1.S1_at	-4.56	---	---
Bt.8485.1.A1_at	-4.55	PARD3	PARD3
Bt.12663.1.S1_at	-4.55	LOC514812	KRT19
Bt.13751.2.S1_at	-4.54	GSTK1	GSTK1
Bt.29386.1.A1_at	-4.54	---	---
Bt.28495.1.S1_at	-4.53	JOSD3	MGC5306
Bt.28878.1.S1_at	-4.53	ASPA	ASPA
Bt.29570.1.S1_at	-4.52	GPAM	GPAM
Bt.4939.1.S1_at	-4.51	SFRP2	SFRP2
Bt.13865.1.A1_at	-4.51	GAMT	GAMT
Bt.12959.1.S1_at	-4.48	---	SULT1C2
Bt.4745.1.S1_at	-4.48	ITFG2	MDS028
Bt.16766.1.A1_at	-4.47	LOC784449	KIAA1324
Bt.10310.1.S1_at	-4.47	---	MYBPC1 CHPT1
Bt.12047.1.S1_at	-4.46	LOC541108	HIST2H2AA
Bt.11262.1.S1_at	-4.46	PEG3	PEG3
Bt.28375.2.S1_a_at	-4.45	LOC781852	---
Bt.12297.1.S1_at	-4.44	LOXL4	LOXL4
Bt.12694.1.S1_at	-4.44	TNFRSF21	TNFRSF21
Bt.19781.1.A1_at	-4.44	DZIP3	DZIP3
Bt.29921.1.S1_at	-4.44	SERTAD4	SERTAD4
Bt.2230.1.S1_at	-4.44	CAV1	CAV1
Bt.11489.3.S1_at	-4.43	LOC787649	HIST1H4B
Bt.2521.1.S1_at	-4.42	LOC100174923	---
Bt.14116.1.A1_at	-4.42	LOC539299	DNAPTP6
Bt.13764.1.S1_at	-4.40	---	---
Bt.20846.1.A1_at	-4.39	CTDSPL	CTDSPL
Bt.25769.1.A1_at	-4.39	LOC539199	MAMDC2
Bt.28461.2.S1_a_at	-4.38	INSR	INSR
Bt.24266.1.A1_at	-4.37	KANK1	ANKRD15
Bt.12371.1.S1_at	-4.37	C29H11orf67	PTD015
Bt.4069.1.S1_at	-4.37	LOC506239	SPTBN2
Bt.24316.1.A1_at	-4.36	---	DRE1
Bt.21247.1.S1_at	-4.32	---	PAPOLA
Bt.26672.1.S1_at	-4.32	TP53INP1	TP53INP1
Bt.21875.1.S1_at	-4.31	MAP4K2	PNPLA2
Bt.3835.1.S1_at	-4.30	LOC520463	LOC55974
Bt.12403.1.S1_at	-4.30	RHPN2	RHPN2
Bt.1347.1.S1_at	-4.30	SEC16B	RGPR

Bt.26921.1.A1_at	-4.28	SLC27A6	SLC27A6
Bt.21537.1.A1_at	-4.26	FKBP5	FKBP5
Bt.14176.1.S1_at	-4.26	NPLOC4	TIMP2
Bt.20428.2.S1_a_at	-4.24	PRC1	PRC1
Bt.4562.1.S1_at	-4.22	PRKCA	PRKCA
Bt.15691.1.S1_at	-4.22	---	KCNK5
Bt.2424.1.S1_at	-4.21	DPYD	DPYD
Bt.5038.1.S2_at	-4.21	FGF1	FGF1
Bt.8338.1.S1_at	-4.20	CITED4	CITED4
Bt.4395.1.S1_at	-4.19	PRPSAP1	PRPSAP1
Bt.9108.1.S1_at	-4.18	---	MAN1A2
Bt.20846.1.A1_a_at	-4.17	CTDSPL	CTDSPL
Bt.9053.1.S1_a_at	-4.16	MACROD1	LRP16
Bt.22188.1.S1_at	-4.15	---	---
Bt.22117.1.S1_at	-4.13	---	---
Bt.8421.1.A1_at	-4.13	---	ALDH6A1
Bt.5341.1.S1_at	-4.12	OGN	OGN
Bt.7319.1.S1_at	-4.12	PTPRK	PTPRK
Bt.15740.1.A1_at	-4.12	TPD52L1	TPD52L1
Bt.23579.1.S1_at	-4.11	LOC785756	ZNF181 ZNF302 ZNF599
Bt.14576.1.A1_at	-4.08	PROX1	PROX1
Bt.19339.1.S1_at	-4.07	---	STAT4 SOCS6
Bt.3211.1.S1_at	-4.06	GABARAPL1	GABARAPL1
Bt.27846.1.S1_at	-4.05	LOC788919	SPATA7
Bt.596.1.S1_at	-4.04	PHYH	PHYH
Bt.22448.1.S1_at	-4.04	LOC781544	GPR1 EEF1B2 FLJ20309  NDUFS1
Bt.28470.1.A1_at	-4.04	---	NR1D2
Bt.25936.1.A1_at	-4.03	TIMP4	TIMP4
Bt.26786.2.S1_at	-3.98	RNF185	FLJ38628
Bt.21766.3.S1_at	-3.98	MLF1	MLF1
Bt.4009.3.S1_at	-3.97	---	ZNF606
Bt.25099.1.A1_at	-3.97	PSPH	PSPH
Bt.12964.1.A1_at	-3.96	GPM6B	GPM6B
Bt.16861.2.S1_at	-3.95	LOC515128	DKFZp761N1114
Bt.16380.2.A1_at	-3.95	---	RGL1
Bt.5110.1.A1_at	-3.94	CHCHD7	CHCHD7
Bt.546.1.S1_at	-3.94	KCNMA1	KCNMA1
Bt.28008.1.S1_s_at	-3.94	KCNN2	KCNN2
Bt.24211.2.S1_at	-3.93	ASPN	ASPN
Bt.8642.1.S1_at	-3.93	COBLL1	COBLL1
Bt.28651.1.S1_at	-3.92	STARD13	STARD13
Bt.24209.1.S1_at	-3.93	H1FO	H1FO
Bt.17024.1.A1_at	-3.92	---	ARFRP2
Bt.28431.1.S1_at	-3.91	---	ALS2CR19
Bt.12283.1.A1_at	-3.91	DIRAS3	DIRAS3
Bt.10245.2.S1_at	-3.90	RBL2	RBL2
Bt.29698.1.S1_at	-3.90	GHR	LOC285636
Bt.28312.1.S1_at	-3.89	---	TFDP2
Bt.2367.1.A1_at	-3.88	NT5E	NT5E
Bt.9567.1.S1_at	-3.87	TM7SF2	TM7SF2
Bt.25788.1.S1_at	-3.86	ZBTB16	ZBTB16
Bt.22797.1.A1_at	-3.84	---	ENPP5
Bt.11772.2.S1_at	-3.84	LOC614339	LOC388272
Bt.26911.2.S1_at	-3.82	TAF3	TAF3
Bt.4506.1.S1_at	-3.81	MYO10	MYO10

Bt.23807.1.A1_at	-3.81	---	C20orf17
Bt.16761.1.S1_a_at	-3.81	100125581 /// LOC618452 /// LOC783192 /// ZNF75	ZNF75
Bt.21580.1.S1_at	-3.81	Grb10	GRB10
Bt.9872.1.S1_at	-3.79	LOC616587	---
Bt.16861.1.A1_at	-3.79	LOC515128	DKFZp761N1114
Bt.6822.1.S1_at	-3.78	---	RNF150 KIAA0882
Bt.13434.1.S1_at	-3.77	MKRN1	MKRN1
Bt.24827.1.A1_at	-3.75	LIPG	LIPG
Bt.12142.1.S1_at	-3.75	---	PHACTR2
Bt.16063.2.S1_at	-3.75	---	AMOT
Bt.11217.1.S1_at	-3.74	MUC15	MUC15
Bt.27710.1.A1_at	-3.74	HHIPL2	FLJ13840
Bt.20020.2.S1_at	-3.74	HABP4	HABP4
Bt.13330.2.A1_at	-3.74	PDK4	---
Bt.4507.1.S1_at	-3.73	C4A	C4A
Bt.3007.1.S1_at	-3.70	TCFL5	TCFL5
Bt.4680.1.S1_at	-3.70	DNAJC12	DNAJC12
Bt.1929.1.S1_at	-3.70	---	FAM46A
Bt.23864.1.A1_at	-3.69	---	FAM46A
Bt.19978.1.A1_at	-3.69	---	RUNX2
Bt.6659.2.S1_at	-3.69	ARHGAP10	ARHGAP10
Bt.19949.1.A1_at	-3.69	LOC534839	SIPA1L1
Bt.9848.1.A1_a_at	-3.69	---	---
Bt.22969.1.S1_a_at	-3.69	SERPING1	SERPING1
Bt.3208.1.S1_at	-3.68	DDHD2	DDHD2
Bt.19210.1.S1_at	-3.68	---	HIST1H2BI
Bt.26381.1.A1_at	-3.68	---	NOSTRIN
Bt.6822.2.S1_at	-3.67	---	RNF150
Bt.5885.1.S1_at	-3.67	ECHDC2	ECHDC2
Bt.15765.1.S1_at	-3.66	IVD	IVD
Bt.21008.1.S1_at	-3.65	FGFRL1	FGFRL1
Bt.27586.1.A1_a_at	-3.64	FOXP2	FOXP2
Bt.9066.1.S1_at	-3.64	LOC507340	KIAA0652
Bt.13096.1.S1_at	-3.64	FIGF	FIGF
Bt.10579.1.S1_at	-3.63	---	IRF2BP2
Bt.20694.1.A1_at	-3.63	CTNNAL1	CTNNAL1
Bt.17451.1.S1_at	-3.61	---	GNG12
Bt.21547.1.A1_at	-3.61	PKP2	PKP2
Bt.712.1.S1_at	-3.61	GAS6	GAS6
Bt.12033.1.S1_at	-3.60	---	FLJ23749
Bt.18151.2.S1_at	-3.59	---	---
Bt.3764.1.S1_at	-3.56	IDI1	IDI1
Bt.18918.2.A1_at	-3.56	SEC22C	SEC22L3
Bt.17121.1.S1_at	-3.55	---	ACSL3
Bt.15688.1.S1_at	-3.55	CBS	CBS
Bt.3865.3.S1_a_at	-3.55	C25H16orf14	MGC15416
Bt.21809.1.S1_at	-3.54	C22H3ORF19	C3orf19
Bt.13619.1.A1_at	-3.54	---	FARSLB SGPP2
Bt.2399.1.S1_at	-3.54	TNS3	TENS1
Bt.20272.1.S1_at	-3.53	MGC143103	TU3A
Bt.22379.1.S1_at	-3.52	CABC1	CABC1
Bt.12561.2.S1_at	-3.52	LOC782984	RHOF
Bt.24933.1.S1_at	-3.51	RARRES1	RARRES1
Bt.11001.1.S1_at	-3.51	---	BCL2L11
Bt.29261.1.S1_s_at	-3.51	CIST1	---

Bt.5597.1.S1_at	-3.50	ELAC1	ELAC1
Bt.23514.1.S1_at	-3.50	A2M	A2M
Bt.6576.1.S1_at	-3.48	LOC534358	UTRN
Bt.22577.2.S1_at	-3.48	SLC25A33	MGC4399
Bt.13355.1.S1_at	-3.48	---	MAN1A2
Bt.22259.1.S1_at	-3.47	DDX59	DKFZP564B1023
Bt.22552.1.S2_at	-3.46	CLSTN1	CLSTN1
Bt.5240.1.S1_at	-3.46	CTGF	CTGF
Bt.7541.1.S1_at	-3.46	NME4	NME4
Bt.1338.1.A1_at	-3.46	ZCCHC17	PS1D
Bt.11772.1.A1_at	-3.45	LOC614339	LOC388272
Bt.4551.1.S1_at	-3.45	CTPS	CTPS
Bt.27834.1.A1_at	-3.45	N4BP2L1	CG018
Bt.18316.2.S1_at	-3.45	LOC513587	LOC153222
Bt.8691.1.S1_at	-3.45	---	CARHSP1
Bt.11361.1.S1_at	-3.43	---	ABC1
Bt.12619.1.S1_at	-3.42	---	C10orf30
Bt.4551.2.S1_at	-3.42	CTPS	CTPS
Bt.6156.1.S1_at	-3.41	APR3	C2orf28
Bt.13993.2.S1_at	-3.41	---	PGR
Bt.21908.1.A1_at	-3.40	---	SCP2
Bt.7530.1.S1_at	-3.40	---	---
Bt.28034.2.S1_at	-3.40	ERCC5	ERCC5
Bt.29689.1.S1_s_at	-3.39	LOC407199 /// TRD@	TRA@
Bt.24137.1.A1_at	-3.39	PLAGL1	PLAGL1
Bt.28302.2.S1_at	-3.38	---	SEC14L2
Bt.3884.1.S1_at	-3.38	MVD	MVD
Bt.11242.1.S1_at	-3.37	BRP44L	BRP44L
Bt.19339.3.A1_at	-3.36	---	STAT4 SOCS6
Bt.4775.1.S1_at	-3.36	S100B	S100B
Bt.5107.1.S1_at	-3.35	CHRNA1	CHRNA1
Bt.6147.1.S1_a_at	-3.35	LOC512401	---
Bt.13512.1.S1_at	-3.35	DUS4L	PP35
Bt.6642.1.S1_a_at	-3.34	---	LPIN1
Bt.24705.1.A1_at	-3.34	FOLH1	FOLH1
Bt.3753.1.S1_at	-3.33	LOC534434	FLJ30092
Bt.8309.1.S1_at	-3.33	LOC614816	CHFR
Bt.20070.1.S1_at	-3.33	SIL1	SIL1
Bt.21584.1.S1_at	-3.33	OXSM	FLJ20604
Bt.2049.1.S1_at	-3.32	LOC510634	CDK3
Bt.4653.1.S1_at	-3.31	PECAM1	PECAM1
Bt.22969.1.S1_at	-3.31	SERPING1	SERPING1
Bt.22139.1.S1_at	-3.30	COBLL1	COBLL1
Bt.17573.1.A1_at	-3.30	---	ZBTB16
Bt.27428.1.A1_at	-3.30	GPM6A	GPM6A
Bt.16967.1.A1_at	-3.30	---	---
Bt.20427.2.S1_at	-3.29	UTP6	HCA66
Bt.4778.1.S1_at	-3.29	SCNN1A	SCNN1A
Bt.7390.1.S1_at	-3.29	RNF157	RNF157
Bt.26475.1.A1_at	-3.28	ZSCAN21	ZNF38
Bt.21818.1.S1_at	-3.27	EZH1	EZH1
Bt.21039.1.A1_at	-3.27	RASD1	RASD1
Bt.23038.1.A1_at	-3.27	SYNCRIP	C6orf160
Bt.16063.1.A1_at	-3.26	---	AMOT
Bt.6096.1.S1_at	-3.26	COG2	COG2
Bt.15667.1.S1_a_at	-3.26	SREBF1	SREBF1

Bt.17430.1.A1_at	-3.26	H9C6ORF70	C6orf70
Bt.28786.1.A1_at	-3.25	ACAD10	ACAD10
Bt.3191.1.A1_at	-3.25	KLHL24	DRE1
Bt.20476.1.S1_at	-3.25	EFNA4	EFNA4
Bt.20744.1.A1_at	-3.25	---	PDZK3
Bt.18316.1.A1_at	-3.25	LOC513587	LOC153222
Bt.26786.1.S1_at	-3.24	RNF185	FLJ38628
Bt.6726.1.S1_at	-3.24	---	RAB11FIP1
Bt.19526.1.S1_at	-3.23	LOC534358	UTRN
Bt.16687.1.A1_at	-3.23	---	FLJ40773
Bt.16875.1.A1_at	-3.23	TCP11L2	MGC40368
Bt.19850.2.S1_at	-3.22	---	ACSL3
Bt.5576.1.S1_at	-3.22	CHD2	---
Bt.29663.1.S1_at	-3.22	---	C21orf6 CCT8 USP16 ZNF294
Bt.20164.1.S1_at	-3.22	C1QB	C1QB
Bt.11725.1.A1_at	-3.22	---	NEDD4L
Bt.11163.1.S1_at	-3.22	---	RSC1A1
Bt.11462.1.S1_at	-3.22	SDC2	SDC2
Bt.841.1.S1_at	-3.21	---	PAICS
Bt.26605.1.S1_at	-3.21	RASAL1	RASAL1
Bt.8117.1.S1_at	-3.21	ULK2	ULK2
Bt.6404.1.S1_at	-3.20	KLF15	KLF15
Bt.8222.1.S1_at	-3.20	TMEM139	FLJ90586
Bt.7598.1.S1_at	-3.20	FAM33A	FAM33A
Bt.20361.2.A1_at	-3.20	FBXL20	FBXL20
Bt.22526.1.S1_at	-3.19	HSPB8	HSPB8
Bt.9424.1.S1_at	-3.19	DMN	DMN
Bt.5348.1.S1_at	-3.19	H19	RPL6
Bt.27959.1.S1_at	-3.18	CLDN23	CLDN23
Bt.22303.3.S1_at	-3.18	---	KIAA0040
Bt.18151.1.S1_at	-3.18	---	PANK3
Bt.15764.2.S1_at	-3.18	SIRT3	SIRT3
Bt.2988.1.S1_at	-3.18	GNG11	GNG11
Bt.15704.2.S1_at	-3.18	---	EGLN1
Bt.2830.1.S1_a_at	-3.18	ZCCHC17	PS1D
Bt.1982.1.S1_a_at	-3.17	---	---
Bt.4627.1.S2_at	-3.17	SLC6A8	SLC6A8
Bt.28956.1.A1_at	-3.17	FAM80B	KIAA1238
Bt.22822.2.S1_at	-3.17	LOC790001 /// TMEM17	AAK1
Bt.23290.1.S1_at	-3.16	---	---
Bt.17445.1.A1_at	-3.16	---	SLC2A3P1
Bt.3208.2.S1_a_at	-3.16	DDHD2	DDHD2
Bt.27675.1.A1_at	-3.15	KIT	KIT
		H4 /// LOC516742 /// LOC517138 /// LOC517481 /// LOC518961 /// LOC526789 /// LOC527388 /// LOC527645 /// LOC528329 /// LOC529647 /// LOC530773 /// LOC617875 /// LOC617905 /// LOC787485	HIST1H4B HIST1H4L HIST1H4E  HIST1H4H HIST1H4K HIST1H4J  HIST1H4D HIST1H4C HIST1H4A  HIST1H4F
Bt.9531.1.S1_at	-3.15		
Bt.22165.1.S1_at	-3.15	AFAP1L2	KIAA1914
Bt.21766.2.S1_at	-3.15	MLF1	MLF1
Bt.5582.1.S1_at	-3.15	SH3BGR	SH3BGR
Bt.9056.1.S1_at	-3.15	GSS	GSS
Bt.8337.1.S1_at	-3.14	---	SESTD1
Bt.18918.1.S1_at	-3.14	SEC22C	SEC22L3

Bt.22602.1.A1_at	-3.14	---	PROX1
Bt.5412.1.S1_at	-3.13	BCKDHB	BCKDHB
Bt.7543.1.S1_at	-3.13	HOXA5	HOXA5
Bt.19309.3.A1_at	-3.13	EFNA5	EFNA5
Bt.15666.2.S1_at	-3.12	PXMP2	PXMP2
Bt.8990.1.S1_at	-3.12	---	NAGA
Bt.28694.1.S1_at	-3.12	LOC784449	KIAA1324
Bt.12743.1.A1_at	-3.11	ABCD4	ABCD4
Bt.17985.1.S1_at	-3.11	ZNF362	FLJ25476
Bt.26736.1.A1_at	-3.11	PANK3	PANK3
Bt.2813.3.S1_at	-3.10	---	---
Bt.12628.1.S1_at	-3.09	---	ZNF395 FBXO16
Bt.19329.1.A1_at	-3.09	EFHD1	EFHD1
Bt.16580.1.S1_at	-3.09	CD2AP	CD2AP
Bt.805.1.S1_at	-3.08	ADIPOR2	ADIPOR2
Bt.19876.1.A1_at	-3.08	---	MGC26979 LOC389677
Bt.25695.1.S1_at	-3.07	TMEM86A	FLJ90119
Bt.5495.1.S1_at	-3.07	BZW2	BZW2
Bt.8260.1.A1_at	-3.07	---	SDC2
Bt.28490.1.S1_at	-3.06	LOC782616	IMMP2L
Bt.17230.1.A1_at	-3.06	---	---
Bt.28728.1.A1_at	-3.06	ORAI1	FLJ14466
Bt.11446.1.A1_at	-3.06	LDB2	LDB2
Bt.3211.1.S2_at	-3.06	GABARAPL1	GABARAPL1
Bt.13429.2.S1_at	-3.06	---	WBP4
Bt.9801.1.S1_at	-3.06	MTMR10	FLJ20313
Bt.4864.3.S1_a_at	-3.06	ING4	ING4
Bt.21777.1.S1_at	-3.05	---	ZNF207 RHBDL4 PSMD11
Bt.23318.1.S2_at	-3.05	COL3A1	COL3A1
Bt.14150.1.S1_at	-3.05	SEPT4	SEPT4
Bt.23178.1.S2_at	-3.04	DCN	DCN
Bt.28532.1.S1_at	-3.04	MMRN1	MMRN1
Bt.21924.2.S1_at	-3.03	LOC535975	UST
Bt.7170.1.S1_at	-3.03	ARL4A	ARL4A
Bt.16936.1.S1_at	-3.03	HPN /// LOC787164	HPN
Bt.13489.1.S1_at	-3.03	---	RAI17
Bt.25319.2.S1_at	-3.01	REV3L	REV3L
Bt.1858.1.A1_at	-3.01	C13H20ORF108	C20orf108 CT108
Bt.6298.1.S1_at	-3.01	GPR125	GPR125
Bt.11196.1.S1_at	-3.00	HINT2	HINT2
Bt.11034.1.S1_at	-3.00	MID1IP1	MID1IP1
Bt.27124.1.S1_at	-2.99	LOC790001 /// TMEM17	GFPT1 LOC388957 HIRIP5
Bt.9672.1.S1_at	-2.99	LOC514577	ShrmL
Bt.11492.1.A1_at	-2.99	LOC538561	MGEA5
Bt.13898.1.S1_at	-2.99	RPS27L	RPS27L
Bt.11177.1.S1_at	-2.98	SORT1	SORT1
Bt.19235.1.A1_at	-2.98	---	ARL6IP2
Bt.20120.2.S1_at	-2.98	---	---
Bt.2169.1.S1_at	-2.98	FUCA1	FUCA1
Bt.18497.1.A1_at	-2.98	NVL	NVL
Bt.22510.1.S1_at	-2.97	C11H2ORF7	C2orf7
Bt.16428.1.S1_at	-2.97	---	---
Bt.19339.2.S1_at	-2.97	---	STAT4 SOCS6
Bt.4784.1.S1_at	-2.97	LPO	LPO
Bt.4482.2.S1_at	-2.96	MSR1	MSR1
Bt.7184.1.S1_at	-2.96	ARAF	ARAF

Bt.2494.2.S1_a_at	-2.96	SDC2	SDC2
Bt.16127.1.S1_at	-2.96	HECA	HECA
Bt.28686.1.S1_at	-2.95	MAL2	MAL2
Bt.4726.1.S1_at	-2.95	---	NEO1
Bt.24614.1.S1_at	-2.95	INSIG1	INSIG1
Bt.11055.1.S1_at	-2.95	SDPR	SDPR
Bt.6096.2.A1_at	-2.94	COG2	COG2
Bt.1805.1.S1_at	-2.94	LOC528040	---
Bt.11211.1.S1_at	-2.94	SLC5A1	SLC5A1
Bt.15939.2.S1_at	-2.94	---	---
Bt.543.1.S1_at	-2.93	NR2F1	NR2F1
Bt.23854.1.A1_at	-2.93	N4BP2L1	CG018
Bt.24210.1.S1_at	-2.92	ACSL1	ACSL1
Bt.12419.1.S1_at	-2.92	---	ITPKB
Bt.9197.1.S1_at	-2.92	CCDC28A	C6orf80
Bt.4688.1.S1_a_at	-2.92	TPCN1	SLC24A6
Bt.6786.1.S1_at	-2.92	---	PIK3CG
Bt.13530.1.S1_at	-2.92	DCI	DCI
Bt.23687.1.A1_at	-2.91	---	MAP3K13
Bt.9418.1.S1_a_at	-2.91	ILKAP	ILKAP
Bt.20677.1.S1_at	-2.91	NSL1	C1orf48 CA048
Bt.28162.1.S1_at	-2.91	PLN	PLN
Bt.20194.1.S1_at	-2.91	MGC128432	HSPC268
Bt.2046.1.S1_at	-2.91	SRPX	SRPX
Bt.19770.1.S1_at	-2.91	CD59	CD59
Bt.2518.2.S1_at	-2.90	---	---
Bt.20883.1.S1_at	-2.90	ANG	ANG
Bt.7013.1.S1_at	-2.90	LOC505800	NK4
Bt.22029.1.S1_at	-2.90	THUMPD3	THUMPD3
Bt.5038.1.S3_at	-2.90	HIST2H2BE	FGF1
Bt.4653.1.S2_at	-2.90	PECAM1	PECAM1
Bt.15900.2.S1_at	-2.89	AHCYL2	KIAA0828
Bt.20383.1.S1_at	-2.89	MGST1	MGST1
Bt.22198.1.S1_at	-2.89	GSTA4	GSTA4
Bt.19409.1.A1_s_at	-2.89	MDFIC	HIC
Bt.3029.1.S1_at	-2.89	LEMD2	LEMD2
Bt.15811.3.S1_at	-2.88	---	MGC10233 TECTA
Bt.26736.2.S1_at	-2.88	PANK3	PANK3
Bt.3318.1.S1_at	-2.88	LOC515452	U655
Bt.5120.1.S1_at	-2.88	NNT	NNT
Bt.1366.1.S1_at	-2.87	CLEC3B	TNA
Bt.1268.1.A1_at	-2.87	---	SET7
Bt.6668.1.S1_at	-2.87	LOC613896	---
Bt.21766.1.A1_at	-2.87	MLF1	MLF1
Bt.5302.1.S1_a_at	-2.87	MRVI1	MRVI1
Bt.1726.1.S1_at	-2.87	TBC1D17	TBC1D17
Bt.25498.1.S1_at	-2.87	MAGIX	FLJ21687
Bt.21997.2.A1_at	-2.86	PPM1K	PPM1K
Bt.1325.1.S1_at	-2.86	FN3KRP	FN3KRP
Bt.7310.1.S1_at	-2.86	PEAR1	FLJ00193
Bt.26445.1.A1_at	-2.86	KIT	KIT
Bt.18837.1.S1_at	-2.86	LOC512304	ENPP5
Bt.23760.1.A1_at	-2.86	ZMYM1	ZNF262
Bt.3251.1.S1_at	-2.85	CTNNAL1	CTNNAL1
Bt.27927.1.S1_at	-2.85	GPR116	GPR116
Bt.22303.2.S1_at	-2.85	---	KIAA0040



Bt.21688.1.S1_at	-2.84	---	---
Bt.14715.1.S1_at	-2.84	AGT	AGT
Bt.19940.1.S1_at	-2.83	LNK2	LNK2
Bt.6180.2.S1_at	-2.83	FRG1	FRG1
Bt.4787.1.S1_at	-2.83	EEF2K	EEF2K
Bt.2234.1.S1_at	-2.83	---	RUNX2
AFFX-r2-Ec-bioB-5_at	-2.82	---	
Bt.4407.1.S1_at	-2.82	KIAA2013	MGC33867
Bt.20361.1.S1_at	-2.81	FBXL20	FBXL20
Bt.13798.2.S1_at	-2.81	LOC615685	---
Bt.3393.1.S1_at	-2.80	LRIG1	LRIG1
Bt.28853.1.A1_at	-2.80	---	LOC134548
Bt.24834.1.A1_at	-2.80	ABHD10	ABHD10
Bt.1577.1.S1_at	-2.80	C1QA	C1QA
Bt.5531.1.S1_at	-2.80	---	BACE1
Bt.12739.1.S1_at	-2.80	MARCH2	MARCH2
Bt.24230.1.S1_at	-2.79	LRRC1	LRRC1
Bt.6004.1.S1_at	-2.79	TACC1	TACC1
Bt.7877.1.S1_at	-2.78	CBX6	CBX6
Bt.17455.1.S1_at	-2.77	---	PBX1
Bt.27178.1.S1_at	-2.77	LOC506539	KIAA0999
Bt.6814.1.S1_at	-2.77	MYLIP	MYLIP
Bt.12444.1.A1_a_at	-2.77	TEX261	TEX261
Bt.20733.1.S1_at	-2.76	AHCYL2	KIAA0828
Bt.20494.1.S1_at	-2.76	RYBP	RYBP
Bt.14034.1.A1_at	-2.76	OVOL2	ZNF339
Bt.3931.1.S1_at	-2.76	LOC100140092 /// RCP9	RCP9
Bt.6086.1.S1_at	-2.76	ANK3	ANK3
Bt.15867.1.S1_at	-2.75	SERF2	SERF2
Bt.21985.1.S1_at	-2.75	LOC541076	FLJ32001
Bt.21453.1.S1_at	-2.74	SLC3A2	SLC3A2
Bt.3023.1.S1_at	-2.74	NIT1	NIT1
Bt.6157.1.S1_at	-2.74	NET1	NET1
Bt.19095.1.S1_at	-2.73	---	DIO2
Bt.16079.1.S1_at	-2.74	RTN3	RTN3
Bt.9921.1.A1_at	-2.74	RASAL2	RASAL2
Bt.13027.1.A1_at	-2.73	HSD11B1	HSD11B1
Bt.16784.1.S1_at	-2.73	PYGO1	PYGO1
Bt.24624.3.S1_at	-2.73	MRPS9	MRPS9
Bt.3560.1.S1_at	-2.72	WIPF3	---
Bt.5153.1.S1_at	-2.72	SPARCL1	SPARCL1
Bt.13413.2.A1_at	-2.72	---	NSE1
Bt.9415.1.S1_at	-2.71	XAB2	XAB2
Bt.20143.2.S1_at	-2.71	---	STAT5B
Bt.3380.1.S1_at	-2.71	ZNF22	ZNF22
Bt.16141.1.S1_at	-2.71	CCNE2	CCNE2
Bt.9945.1.S1_at	-2.71	AES	AES
Bt.4332.1.S2_at	-2.71	CEBPA	CEBPA
Bt.20598.1.S1_at	-2.70	DHRS12	FLJ13639
Bt.3730.1.S1_at	-2.70	LMO4	LMO4
Bt.16181.1.A1_at	-2.70	---	---
Bt.10245.3.A1_at	-2.70	RBL2	FTS RBL2
Bt.5304.1.S1_at	-2.69	GSTM3	GSTM3
Bt.7128.1.S1_at	-2.69	---	STC1
Bt.2911.1.A1_at	-2.69	FAM134B	FLJ20152
Bt.22055.1.S1_at	-2.69	---	CYBRD1

Bt.26712.1.S1_at	-2.69	---	MGST1
Bt.18951.2.S1_at	-2.69	RDH11	RDH11
Bt.4298.3.S1_a_at	-2.69	GPR172B	GPR172B GPR172A
Bt.21275.1.S1_at	-2.69	SPSB3	SSB3
Bt.20243.2.S1_at	-2.68	SLC25A26	SLC25A26
Bt.20132.1.S1_at	-2.68	---	BSCL2 DKFZp762N1910
Bt.1984.1.S1_at	-2.68	CCDC130	MGC10471
Bt.18435.3.A1_at	-2.67	ANGEL1	KIAA0759
Bt.7356.1.S1_at	-2.67	MYST4	MYST4
Bt.6359.1.S1_at	-2.67	SLC30A4	SLC30A4
Bt.16639.1.A1_at	-2.67	---	MAST4
Bt.20384.1.S1_at	-2.67	ACOX2	ACOX2
Bt.29932.1.S1_at	-2.66	SOLH	SOLH
Bt.21981.3.S1_at	-2.66	---	ANTXR1
Bt.11239.2.S1_at	-2.66	SPG7	SPG7
Bt.10969.1.S1_at	-2.66	ARL6IP1	ARL6IP1
Bt.11023.1.S1_at	-2.65	---	ZBTB5
Bt.4322.2.S1_at	-2.65	CLK3	CLK3
Bt.13543.1.S1_at	-2.65	H16C1ORF21	C1orf21
Bt.28602.1.S1_at	-2.65	---	COL5A1
Bt.21772.1.A1_at	-2.65	ELTD1	ELTD1
Bt.6469.1.S1_at	-2.65	LNX2	LNX2
Bt.9658.1.S1_at	-2.64	RNF146	RNF146
Bt.11017.1.S1_at	-2.64	LOC540504	SYNE2
Bt.13084.1.S1_at	-2.64	MET	MET
Bt.21923.1.A1_at	-2.64	---	CNOT2 KCNMB4 PTPRB
Bt.12210.1.S1_at	-2.64	LRRC47	KIAA1185
Bt.9004.1.S1_at	-2.64	BCAT2	BCAT2
Bt.19629.1.S1_at	-2.63	HSPH1	HSPH1
Bt.19759.1.S1_at	-2.63	HSPA2	HSPA2
Bt.27382.1.A1_s_at	-2.63	XRCC1	XRCC1
Bt.28373.1.S1_at	-2.63	---	---
Bt.16655.1.S1_at	-2.62	---	TRIM44
Bt.6456.1.A1_at	-2.62	APCDD1	APCDD1
Bt.16578.1.A1_at	-2.62	---	---
Bt.6171.1.A1_at	-2.62	HIBADH	HIBADH
Bt.22822.1.S1_at	-2.62	LOC790001 /// TMEM17	AAK1
Bt.26505.1.S1_at	-2.62	---	PAMCI
Bt.19395.1.A1_at	-2.62	---	C14orf28
Bt.5466.4.S1_at	-2.62	---	TNS
Bt.26789.1.A1_at	-2.61	---	DEPDC2
Bt.7717.1.S1_at	-2.61	CCND3	CCND3
Bt.12176.1.A1_at	-2.61	TARP	---
Bt.12661.2.S1_at	-2.61	MCCC1	MCCC1
Bt.29838.1.S1_at	-2.61	GlyT-1Aa /// GlyT-1Ab	SLC6A9
Bt.21681.1.A1_at	-2.60	FBXL4	FBXL4
Bt.3797.1.S1_at	-2.60	FMOD	FMOD
Bt.18071.1.A1_at	-2.60	---	---
Bt.22434.1.S1_at	-2.60	---	---
Bt.18615.1.A1_at	-2.60	PRUNE2	KIAA0367
Bt.23662.2.S1_at	-2.59	RNF34	RNF34
Bt.16466.3.A1_at	-2.59	LOC787117	---
Bt.20195.1.A1_at	-2.59	---	C6orf150 EEF1A1 MTO1
Bt.9186.1.A1_at	-2.59	FBXL3	FBXL3
Bt.12889.1.S1_at	-2.58	FBXW4	SHFM3
Bt.17029.1.A1_at	-2.58	FXN	FXN

Bt.9966.1.S1_at	-2.58	LOC782818	COL5A2
Bt.20073.1.S1_at	-2.58	LYK5	LYK5
Bt.16057.3.A1_a_at	-2.58	MGC159903	FLJ34633
Bt.17714.1.A1_at	-2.58	PYGL	---
Bt.13801.1.S1_at	-2.58	PDRG1	PDRG1
Bt.3535.1.S1_at	-2.58	TBC1D9B	KIAA0676
Bt.20238.1.S1_at	-2.58	CLEC14A	C14orf27
Bt.5003.2.S1_a_at	-2.58	EMCN	EMCN
Bt.24554.2.S1_a_at	-2.58	---	ZNF212
Bt.9740.1.S1_at	-2.57	---	MGC10744
Bt.1613.1.S1_at	-2.57	HTRA1	PRSS11
Bt.10159.1.S1_at	-2.57	CEBPG	CEBPG
Bt.16236.1.A1_at	-2.57	JPH1	JPH1
Bt.19629.2.S1_at	-2.57	HSPH1	HSPH1
Bt.20124.1.S1_at	-2.57	---	SLC25A29 C14orf68 WARS YY1
Bt.24517.1.S1_at	-2.57	GPRC5B	GPRC5B
Bt.4221.1.S1_at	-2.56	---	GOSR1
Bt.13512.2.S1_at	-2.56	DUS4L	PP35
Bt.25319.1.A1_at	-2.56	REV3L	REV3L
Bt.13967.1.A1_at	-2.56	---	---
Bt.16372.1.A1_at	-2.55	LOC535887	PANK1
Bt.12697.1.S1_a_at	-2.55	COL16A1	COL16A1
Bt.1136.1.S1_at	-2.55	LOC100138653	ZNF329
Bt.28414.1.A1_at	-2.55	---	---
Bt.13769.1.S1_at	-2.55	MAP2	MAP2
Bt.1404.2.S1_at	-2.55	CDCA7L	RAM2
Bt.19479.1.A1_at	-2.55	TNRC6C	TNRC6C
Bt.19850.1.S1_at	-2.55	---	ACSL3
Bt.28690.1.S1_at	-2.55	---	FLJ20152
Bt.6113.1.S1_at	-2.54	XPC	XPC
Bt.18550.1.A1_at	-2.54	---	KATNAL2 HDHD2 TCEB3C
Bt.15714.1.S1_at	-2.54	C5H12orf41	FLJ20436
Bt.25084.1.S1_at	-2.53	---	LOC283874
Bt.27901.1.S1_at	-2.53	LOC783484	BAIAP1
Bt.21428.1.S1_at	-2.53	---	JMY HOMER1
Bt.28160.2.S1_a_at	-2.53	RBM17	RBM17
Bt.10609.1.S1_at	-2.52	CYP20A1	CYP20A1
Bt.21957.1.S1_at	-2.52	---	RAB11FIP2
Bt.27938.1.A1_at	-2.52	ABCG2	ABCG2
Bt.11496.1.S1_at	-2.52	---	CBFA2T2
Bt.20775.1.S1_at	-2.52	---	ATP6V0A4 LOC136306
Bt.12722.1.A1_at	-2.52	ANG /// RNASE4	RNASE4
Bt.14637.1.A1_at	-2.52	SHPK	CARKL
Bt.16738.1.A1_at	-2.52	IRX3	IRX3
Bt.24281.1.S1_at	-2.52	---	VAPA
Bt.22545.2.S1_at	-2.52	ERC1	FBLN1
Bt.4247.1.S1_at	-2.52	---	ZNF23
Bt.15868.1.S1_at	-2.52	---	PLCG1
Bt.22489.2.A1_at	-2.51	---	---
Bt.16183.1.A1_s_at	-2.52	LOC509061	FLJ36445
Bt.28517.1.S1_at	-2.51	LOC782145	BTK
Bt.28686.2.S1_at	-2.51	MAL2	MAL2
Bt.9522.1.S1_at	-2.51	---	MYST4
Bt.13344.2.S1_a_at	-2.51	---	SLC7A8
Bt.12290.1.S1_at	-2.51	PSIP1	PSIP1
Bt.5021.1.S1_at	-2.50	FBN1	FBN1

Bt.5626.2.S1_at	-2.51	KLC1	KNS2
Bt.28390.1.S1_at	-2.50	TSC22D3	DSIPI
Bt.13766.2.S1_at	-2.50	DPP8	HSPC121 DPP8
Bt.15953.1.S1_at	-2.49	MRPL14	MRPL14
Bt.15949.1.S1_at	-2.49	STARD7	STARD7
Bt.6001.1.S1_s_at	-2.49	LOC530342	MGC2494
Bt.13413.1.S1_at	-2.49	FAM84A	NSE1
Bt.13330.1.S1_at	-2.49	PDK4	PDK4
Bt.5074.1.S1_at	-2.49	SFPQ	SFPQ
Bt.9337.1.S1_at	-2.49	RNF145	FLJ31951
Bt.15847.1.S1_at	-2.49	CDR2	CDR2
Bt.21182.1.S1_at	-2.49	---	CCDC6
Bt.1533.1.S1_at	-2.49	HSPG2	HSPG2
Bt.19546.1.A1_at	-2.49	SMARCA5	SMARCA5
Bt.16137.1.S1_at	-2.49	ALDH9A1	ALDH9A1
Bt.17988.2.A1_at	-2.49	---	---
Bt.8322.2.S1_at	-2.49	---	MGC33371
Bt.21724.2.S1_a_at	-2.48	FDFT1	FDFT1
Bt.20948.1.S1_at	-2.48	RAD52	RAD52
Bt.4751.2.S1_a_at	-2.48	BOLA-DQA2	HLA-DQA1
Bt.8531.2.S1_at	-2.48	CDKN2AIPNL	MGC13017
Bt.4552.1.S1_a_at	-2.48	PLCB4	PLCB4
Bt.27129.1.S1_at	-2.47	SLC39A9	SLC39A9
Bt.18969.1.S1_at	-2.47	---	BCL2L11
Bt.8124.1.S1_at	-2.47	COL1A2	COL1A2
Bt.19866.1.A1_at	-2.47	---	PDP2 APPBP1
Bt.1690.1.S1_at	-2.46	RNF130	RNF130
Bt.13344.1.S1_a_at	-2.46	---	SLC7A8
Bt.29679.1.S1_s_at	-2.46	POFUT2	POFUT2
Bt.12699.1.S1_at	-2.46	PTPRU	PTPRU
Bt.29662.1.A1_at	-2.46	---	HIST1H2BI
Bt.24552.1.S1_at	-2.46	B3GNT2	B3GNT6
Bt.26996.1.S1_at	-2.46	GTPBP2	GTPBP2
Bt.3080.2.S1_at	-2.46	---	---
Bt.27943.1.S1_at	-2.45	STAT2	STAT2
Bt.6449.1.S1_at	-2.45	FBLN5	FBLN5
Bt.27130.1.S1_at	-2.45	SCCPDH	CGI-49
Bt.4597.1.S1_at	-2.45	GPR68	GPR68
Bt.7147.1.S1_at	-2.45	POFUT2	POFUT2
Bt.21681.2.S1_at	-2.45	FBXL4	FBXL4
Bt.17054.1.A1_at	-2.44	RRM2B	RRM2B
Bt.20929.2.A1_at	-2.44	H1F0	H1F0
Bt.13666.1.S1_at	-2.44	ATP5S	ATP5S
Bt.26869.1.A1_at	-2.44	---	MTR
Bt.20888.1.S1_at	-2.44	LOC784592	---
Bt.28237.1.A1_at	-2.44	LOC511583	LOC92689
Bt.23456.1.A1_s_at	-2.44	TP53INP1	TP53INP1
Bt.690.1.S1_at	-2.43	BOC	BOC
Bt.22664.1.A1_at	-2.43	LRIG3	LRIG3
Bt.13757.1.S1_at	-2.43	---	CBX7
Bt.11257.1.S1_at	-2.42	TERF2	TERF2
Bt.27715.1.A1_at	-2.42	GPR110	GPR110
Bt.16243.1.S1_at	-2.42	CMTM8	CKLFSF8
Bt.5106.1.S1_a_at	-2.42	GNAS	GNAS
Bt.13833.1.S1_at	-2.42	RYBP	RYBP
Bt.3967.1.S1_a_at	-2.42	THYN1	THY28

Bt.11128.1.S1_at	-2.42	UNG	UNG
Bt.1255.1.A1_at	-2.41	JTB	JTB
Bt.9832.1.S1_at	-2.41	MUSTN1	MUSTN1
Bt.6074.1.S1_at	-2.41	CLDN3	CLDN3
Bt.20450.1.S1_at	-2.40	---	CRY2
Bt.24411.1.A1_at	-2.40	LOC618360	FLJ25416
Bt.6176.1.S1_at	-2.40	---	ZNFN1A1
Bt.28945.1.A1_at	-2.40	---	ARL4A
Bt.6578.3.S1_at	-2.40	RNF8	RNF8
Bt.9412.1.S1_at	-2.40	LOC781493	COL14A1
Bt.27097.1.A1_at	-2.40	XRCC4	XRCC4
Bt.27566.1.A1_at	-2.39	---	NXF3
Bt.1607.1.S1_at	-2.39	LOC768238 /// LOC782307	ULK1
Bt.9996.1.S1_at	-2.39	DHCR24	DHCR24
Bt.29150.1.S1_at	-2.39	LOC512910	KIAA0146
Bt.20815.1.A1_at	-2.39	C8H9orf30	TMEFF1
Bt.21210.2.S1_at	-2.39	ZCCHC7	ZCCHC7
Bt.4959.1.A1_at	-2.39	FADS1	FADS1
Bt.2818.2.S1_a_at	-2.39	NUDT2	NUDT2
Bt.22423.1.S1_at	-2.39	JMJD2B	JMJD2B
Bt.25075.1.A1_at	-2.38	---	DUSP19
Bt.20116.1.S1_at	-2.38	NXF1	NXF1
Bt.20817.1.A1_at	-2.38	POLA1	POLA
Bt.16761.2.S1_at	-2.38	100125581	ZNF75
Bt.20373.1.S1_at	-2.38	NRP1	NRP1
Bt.17339.1.S1_at	-2.38	LOC786893	VAV3
Bt.15811.1.A1_at	-2.38	---	MGC10233 TECTA
Bt.6036.1.S1_at	-2.38	---	KCTD2
Bt.29711.1.S1_at	-2.38	TJP2	TJP2
Bt.15400.1.A1_at	-2.38	---	LOC145842
Bt.2187.1.S1_at	-2.37	HSD17B8	HSD17B8
Bt.15811.2.A1_at	-2.37	---	MGC10233 TECTA
Bt.27863.1.S1_at	-2.37	RMP	C19orf2
Bt.10273.1.A1_at	-2.37	---	---
Bt.14340.2.S1_at	-2.37	LOC511639	RNF103
Bt.24463.1.S1_at	-2.37	LYZ2	KIAA0984
Bt.801.1.S1_at	-2.37	---	PDPR
Bt.4159.1.S1_at	-2.36	LOC519422	TRIM28
Bt.3833.1.A1_a_at	-2.36	CCDC45	LOC90799
Bt.6546.1.A1_at	-2.36	---	AQP11 HBXAP CLNS1A FTHL16
Bt.25093.2.S1_at	-2.36	PIK3R4	PIK3R4
Bt.18354.1.A1_at	-2.36	TLN2	Gup1
Bt.12454.1.S1_at	-2.36	ERAL1	ERAL1
Bt.24718.1.S1_at	-2.36	LETMD1	LETMD1
Bt.4630.1.S1_at	-2.36	RNASE1	RNASE1
Bt.12356.1.S1_at	-2.35	CUEDC1	CUEDC1
Bt.7069.1.S1_at	-2.35	PCMTD2	C20orf36
Bt.22446.1.S1_at	-2.35	---	---
Bt.8582.1.S1_at	-2.35	---	UBN1
Bt.14213.1.A1_at	-2.35	CES2	CES2
Bt.9067.1.S1_at	-2.35	---	ARHGAP9
Bt.28659.1.A1_at	-2.35	ITPR2	ITPR2
Bt.126.1.S2_at	-2.35	KCNJ2	KCNJ2
Bt.25051.1.A1_at	-2.34	TTC14	TTC14
Bt.19633.1.A1_at	-2.34	APBB2	APBB2
Bt.2148.1.S1_at	-2.34	---	RBM16

Bt.22033.1.A1_at	-2.34	---	RIPX
Bt.18219.1.A1_at	-2.34	LOC784866	C6orf4
Bt.29587.1.S1_at	-2.34	---	WAC
Bt.17972.1.A1_at	-2.34	DVL2	DVL2
Bt.4952.2.S1_a_at	-2.34	RPL22L1	LOC200916
Bt.6659.1.S1_at	-2.34	ARHGAP10	ARHGAP10
Bt.2023.1.S1_at	-2.34	LOC525407	SMP3
Bt.17954.1.A1_at	-2.34	---	---
Bt.16739.1.A1_at	-2.33	---	GSTM1
Bt.16695.1.S1_at	-2.33	---	WIG1
Bt.18999.1.S1_at	-2.33	PARD3	PARD3
Bt.17025.1.A1_at	-2.33	FOSL2	---
Bt.15975.1.A1_at	-2.33	SOD1	SOD1
Bt.29638.1.A1_at	-2.33	CHAC2	---
Bt.7948.1.S1_at	-2.32	CYFIP2	CYFIP2
Bt.6321.1.S1_at	-2.32	---	PPP2R1B C11orf1 ALG9
Bt.11945.2.A1_at	-2.32	C10H14orf124	C14orf124
Bt.25016.2.S1_at	-2.32	LOC537712	EBF
Bt.24594.1.A1_at	-2.32	ME3	ME3
Bt.7537.1.S1_at	-2.32	---	AUTS2
Bt.21348.1.A1_a_at	-2.31	LOC513601	C6orf151
Bt.9172.1.A1_at	-2.31	ACRC	ACRC
Bt.28617.1.S1_at	-2.31	STOM	STOM
Bt.24651.1.A1_at	-2.31	FAM149B1	DNAJC9 KIAA0974
Bt.5261.1.S1_at	-2.31	GPAA1	GPAA1
Bt.11221.1.S1_at	-2.31	GYPC	GYPC
Bt.4641.1.S1_at	-2.30	STAT5A	STAT5A
Bt.2082.1.S1_at	-2.30	---	---
Bt.11711.1.A1_at	-2.30	LOC532409	HMGB3
Bt.12732.2.S1_at	-2.30	NYREN18	NYREN18
Bt.7927.1.S1_at	-2.30	MGC140823	MTVR1
Bt.20531.1.A1_at	-2.30	UNC84B	UNC84B
Bt.9544.1.S1_at	-2.30	---	ZNF161
Bt.521.1.S1_at	-2.30	GCNT1	GCNT1
Bt.16188.1.S1_at	-2.30	ADAMTS5	CYYR1
Bt.2901.1.A1_at	-2.29	ZNF192	ZNF192
Bt.27055.1.S1_at	-2.29	DTWD1	MDS009
Bt.5005.2.A1_at	-2.29	LOC512596	LOC87769
Bt.13419.3.A1_at	-2.29	KIAA0157	KIAA0157
Bt.13875.1.S1_at	-2.28	C24H18orf21	C18orf21
Bt.24309.1.A1_at	-2.29	LYVE1	XLKD1
Bt.20878.1.A1_at	-2.28	SFRS18	USP45 COQ3 C6orf111
Bt.21695.2.S1_at	-2.28	---	TSC1
Bt.10299.1.S1_at	-2.28	MED10	MGC5309
Bt.20402.1.S1_at	-2.28	PKD2	PKD2
Bt.19324.1.A1_at	-2.28	GNPTG	CTTN PPFIA1
Bt.9385.1.S1_at	-2.28	TBCC	TBCC
Bt.15911.1.S1_at	-2.28	---	KIAA0459
Bt.15939.1.A1_at	-2.28	---	SPATA13 MGC48915
Bt.3820.1.S1_at	-2.28	SNW1	SKIIP
Bt.384.1.S1_at	-2.28	CRYBA4	CRYBA4
Bt.837.1.S1_at	-2.28	LOC493778	---
Bt.2962.1.S1_at	-2.27	---	SSPN
Bt.12732.1.S1_at	-2.27	NYREN18	NYREN18
Bt.5874.1.S1_at	-2.27	---	DOC1 MGC4308 FLJ44076 COL8 A1

Bt.20512.2.S1_at	-2.27	LOC100139730	COL15A1
Bt.23598.1.S1_at	-2.27	POLR1D	POLR1D POLR1C
Bt.3830.1.S1_at	-2.27	LOC532244	MICAL3
Bt.1174.2.A1_at	-2.27	MBNL2	MBNL2
Bt.10343.1.A1_at	-2.27	PALMD	PALMD
Bt.20161.1.S1_at	-2.27	RASSF4	RASSF4
Bt.18626.1.A1_at	-2.27	RABL5	RABL5
Bt.3883.1.S1_at	-2.27	DDO	DDO
Bt.6180.1.S1_at	-2.26	FRG1	FRG1
Bt.25282.1.A1_at	-2.26	CAPRN2	C1QDC1
Bt.29954.1.S1_at	-2.26	GKAP1	GKAP1
Bt.4696.1.S1_at	-2.26	POR	POR
Bt.2491.1.S1_at	-2.26	---	RSC1A1
Bt.1952.1.S1_a_at	-2.26	LOC534247	HLCS
Bt.4952.1.S1_at	-2.25	RPL22L1	LOC200916
Bt.25654.1.A1_at	-2.25	CLCN4	CLCN4
Bt.13745.1.A1_a_at	-2.25	TDRD3	TDRD3
Bt.11704.1.S1_at	-2.25	---	LOC143458
Bt.13835.1.S1_at	-2.25	---	ZNRF3
Bt.21770.1.S1_at	-2.25	SLC29A1	SLC29A1
Bt.24517.2.A1_at	-2.25	GPRC5B	GPRC5B
Bt.20256.1.S1_at	-2.25	PRKAB1	PRKAB1
Bt.8533.2.S1_at	-2.25	NADSYN1	NADSYN1
Bt.11276.1.A1_at	-2.25	ZNF503	ZNF503
Bt.28607.1.S1_at	-2.24	trp	DNCL1
Bt.9055.2.S1_a_at	-2.24	TRMU	TRMT1
Bt.2638.1.S1_at	-2.24	SERPINF1	SERPINF1
Bt.22556.2.S1_at	-2.24	RPP14	RPP14
Bt.2220.2.A1_a_at	-2.23	SEPP1	SEPP1
Bt.27314.2.S1_at	-2.23	FAM108B1	C9orf77
Bt.22375.1.A1_at	-2.23	C3H1orf66	CGI-41
Bt.27181.1.A1_at	-2.23	POLB	POLB
Bt.7136.1.S1_at	-2.23	NEU3	NEU3
Bt.27432.1.A1_at	-2.23	ALG10	ALG10
Bt.9444.1.S1_at	-2.23	STK17A	STK17A
Bt.2391.2.S1_a_at	-2.23	C16H1ORF55	FLJ35382
Bt.17380.1.S1_at	-2.23	TMEM205	UNQ501
Bt.6150.1.S1_at	-2.23	MGC159500	HT014
Bt.6943.1.S1_at	-2.23	---	CHRN3 LOC114926 SLC20A2
Bt.9785.1.S1_at	-2.23	---	KIAA0831
Bt.18272.1.A1_at	-2.23	---	---
Bt.26433.1.A1_at	-2.23	---	CD109
Bt.15663.1.S1_at	-2.23	---	TNRC15
Bt.28638.1.A1_at	-2.23	---	---
Bt.21210.1.A1_at	-2.23	ZCCHC7	ZCCHC7
Bt.8730.1.S1_at	-2.23	---	RAPGEF2
Bt.15587.1.S1_at	-2.23	---	FOXO1A
Bt.2156.2.S1_a_at	-2.22	TMEM11	C17orf35
Bt.25335.1.A1_at	-2.22	---	SLC27A3 P66beta FLJ21919
Bt.17758.1.S1_at	-2.22	LOC541088 /// LOC784529	BCOR
Bt.1815.1.S1_at	-2.22	CUEDC1	CUEDC1
Bt.23564.1.A1_at	-2.22	PHF10	PHF10
Bt.20088.1.S1_a_at	-2.22	TPPP	ZDHHC11 Cep72 TPPP
Bt.8220.1.A1_at	-2.22	TACC1	TACC1
Bt.14552.1.A1_at	-2.22	ATF2	ATF2
Bt.28218.1.S1_at	-2.22	FBXO6	FBXO6

Bt.21724.1.S1_at	-2.22	FDFT1	FDFT1
Bt.23176.2.S1_a_at	-2.21	IGF2	IGF2
Bt.6964.3.S1_at	-2.21	LOC616726	C9orf97
Bt.6341.1.S1_at	-2.21	DNAJC1	DNAJC1
Bt.22612.2.S1_at	-2.21	C27H8orf40	LOC114926
Bt.6340.1.A1_at	-2.21	---	FLJ20699
Bt.9702.1.S1_at	-2.20	CRNKL1	CRNKL1
Bt.10972.1.S1_at	-2.20	NPEPL1	NPEPL1
Bt.23094.1.A1_at	-2.20	AKR1C4	AKR1C1
Bt.26519.1.S1_at	-2.20	---	PARD3
Bt.5966.1.A1_at	-2.20	ACADM	ACADM
Bt.12327.1.S1_at	-2.20	TXNIP	TXNIP
Bt.28279.1.S1_at	-2.20	---	SKI
Bt.4037.1.S1_at	-2.20	---	DAB2IP
Bt.28685.1.S1_at	-2.20	RBM47	FLJ20273
Bt.22465.1.S1_at	-2.20	---	MGC45840
Bt.5136.1.S1_at	-2.20	TIMP3	TIMP3
Bt.13722.2.A1_at	-2.20	AHCTF1	ELYS
Bt.16743.1.A1_at	-2.19	---	ZNF75A
Bt.21620.1.A1_at	-2.19	---	PHF16
Bt.16188.2.S1_at	-2.19	CYYR1	CYYR1
Bt.23505.1.S1_at	-2.19	PDK4	PDK4
AFFX-BioB-5_at	-2.19	---	---
Bt.28253.1.S1_at	-2.19	GGT1	GGT1
Bt.8286.1.S1_at	-2.19	PDK2	PDK2
Bt.21981.1.A1_at	-2.19	---	ANTXR1
Bt.12644.1.A1_at	-2.19	---	C3orf3 KBTBD5 NKTR CCDC13
Bt.17350.1.A1_at	-2.18	---	VAMP4
Bt.16469.1.S1_at	-2.18	TRABD	PP2447
Bt.15674.2.S1_at	-2.18	POLD3	POLD3
Bt.29949.1.S1_at	-2.18	C10H15orf23	C15orf23
Bt.25555.1.S1_at	-2.18	LRRC28	LRRC28
Bt.1789.1.S1_at	-2.18	TGFBR2	TGFBR2
Bt.12819.1.S1_at	-2.18	---	ELF5
Bt.20064.1.S1_at	-2.18	TSHZ1	SDCCAG33
Bt.21924.1.A1_at	-2.18	LOC535975	UST
Bt.14340.1.A1_at	-2.18	LOC511639	RNF103
Bt.10861.1.S1_at	-2.18	---	RPL21
Bt.24511.1.A1_at	-2.17	CHST11	---
Bt.17349.1.A1_at	-2.17	LPIN1	LPIN1
Bt.3520.1.S1_at	-2.17	PYCR1	PYCR1
Bt.24433.1.S1_at	-2.17	MRPL39	MRPL39
Bt.4702.1.S1_at	-2.17	---	FOXO3A
Bt.1404.1.S1_at	-2.17	CDCA7L	RAM2
Bt.11237.1.S1_at	-2.17	YTHDC1	YT521
Bt.19100.1.A1_at	-2.17	---	ATXN7L1
Bt.1735.1.S1_at	-2.17	QDPR	QDPR
Bt.16258.1.A1_at	-2.17	---	EPB41
Bt.16496.1.A1_at	-2.17	---	TCN2
Bt.7535.1.A1_at	-2.17	DLST	DLST
Bt.1491.1.S1_at	-2.16	C1S	C1S
Bt.16636.2.A1_at	-2.16	LOC533126	KIAA0738
Bt.17530.1.A1_at	-2.16	---	SERTAD4
Bt.21930.2.S1_at	-2.16	---	SIX4 MNAT1
Bt.27736.1.S1_at	-2.16	LOC534778	C10orf59
Bt.15704.1.S1_at	-2.16	---	EGLN1



Bt.22082.1.S1_at	-2.16	CHPT1	CHPT1
Bt.4785.1.S1_at	-2.16	MAP3K3	MAP3K3
Bt.21812.1.S1_at	-2.16	---	PTPN21 SPATA7
Bt.12221.1.S1_at	-2.16	ALS2CR4	ALS2CR4
Bt.28190.1.S1_at	-2.15	SYF2	P29
Bt.16559.1.A1_at	-2.15	RARS2	RARSL
Bt.26538.1.S1_at	-2.15	LOC509420	C9orf61
Bt.14237.1.A1_at	-2.15	---	Beta4GalNAc-T4
Bt.7786.1.S1_at	-2.15	UBE2G2	UBE2G2
Bt.23558.1.S1_at	-2.15	EPS8	EPS8
Bt.4622.1.S1_at	-2.15	MAN2B1	MAN2B1
Bt.8805.1.S1_at	-2.15	LOC508015	CABIN1
Bt.6694.1.S1_at	-2.15	LOC521064	PRR6
Bt.6800.1.A1_at	-2.15	---	RASGEF1B
Bt.11667.2.A1_at	-2.14	---	TM4SF11
Bt.20402.2.A1_at	-2.14	PKD2	PKD2
Bt.8213.1.S1_at	-2.14	ORAI1	FLJ14466
Bt.27379.1.A1_at	-2.14	CXCR7	CMKOR1
Bt.3243.2.S1_a_at	-2.14	RAB9A	RAB9A
Bt.16102.1.S1_at	-2.14	FBXO11	FBXO11
Bt.24248.1.S1_at	-2.13	KIAA1737	KIAA1737
Bt.12319.1.S1_at	-2.14	RASSF7	C11orf13
Bt.19913.1.A1_at	-2.13	---	EGFR
Bt.21976.1.S1_at	-2.13	LOC516723	TRIM39
Bt.16471.1.S1_at	-2.13	---	RABGAP1L
Bt.2426.2.S1_at	-2.13	TMEM101	MGC4251
Bt.19509.2.S1_at	-2.13	LOC505588	COBL
Bt.15741.1.S1_at	-2.13	WDR48	WDR48
Bt.20862.2.S1_at	-2.13	MTHFD2	MTHFD2
Bt.18079.1.A1_at	-2.13	MLYCD	MLYCD
Bt.22431.1.S1_at	-2.13	DUSP28	---
Bt.19632.1.S1_at	-2.13	ATXN2	ATXN2
Bt.22489.1.S1_at	-2.13	---	ZNF398
Bt.1722.3.S1_a_at	-2.13	MIB2	ZZANK1
Bt.24544.3.S1_at	-2.12	NUP85	PCNT1
Bt.2278.1.S1_at	-2.12	GP2	GP2
Bt.624.1.S1_at	-2.12	LMCD1	LMCD1
Bt.5676.1.S1_at	-2.12	COQ5	MGC4767
Bt.2856.1.S1_at	-2.12	C5H12ORF57	GRCC10
Bt.17805.2.A1_at	-2.12	NUDT12	NUDT12
Bt.26673.1.S1_at	-2.12	NBL1	NBL1
Bt.21346.1.S1_at	-2.12	SIPA1	SIPA1
Bt.8490.1.A1_at	-2.12	---	C20orf23
Bt.3766.1.A1_at	-2.12	ANKRD32	ANKRD32
Bt.1430.1.S1_at	-2.11	PFDN5	PFDN5
Bt.19032.1.S1_at	-2.11	TSPYL4	TSPYL4
Bt.25218.1.S1_at	-2.11	---	WBP4
Bt.21966.1.S1_at	-2.11	RANBP9	RANBP9
Bt.15770.1.S1_at	-2.11	CSRP2BP	CSRP2BP
Bt.6044.1.S1_at	-2.11	TCTA	TCTA
Bt.2005.1.S1_at	-2.11	LSM1	LSM1
Bt.5468.1.S1_at	-2.11	CST6	CST6
Bt.16255.1.A1_at	-2.11	---	OR2H2 UBD GABBR1
Bt.4619.2.S1_at	-2.11	TH1L	TH1L
Bt.22300.1.S1_at	-2.11	RTTN	RTTN
Bt.2795.1.S1_at	-2.11	---	ATP2A2

Bt.13798.1.S1_at	-2.11	LOC615685	---
Bt.25054.1.A1_at	-2.11	C22H3ORF63	---
Bt.1969.1.S1_at	-2.10	CACNA1H	CACNA1H
Bt.27100.1.S1_at	-2.10	TRIP4	TRIP4
Bt.18891.1.S1_at	-2.10	ERGIC3	SDBCAG84
Bt.20987.2.S1_at	-2.10	LOC515651	LOC128977
Bt.4489.1.S1_at	-2.10	KLHDC3	KLHDC3
Bt.21884.1.S1_at	-2.10	---	WDR5
Bt.20588.1.S1_at	-2.10	---	MKNK2
Bt.9659.1.S1_a_at	-2.10	ENPP3	ENPP3
Bt.26391.1.A1_at	-2.10	---	FLT1
Bt.21959.1.S1_at	-2.10	TMEM64	DKFZp762C1112
Bt.5226.1.S1_at	-2.10	SFRP1	SFRP1
Bt.7236.1.S1_at	-2.10	PIK3R1	PIK3R1
Bt.3458.2.S1_at	-2.10	EIF2S2	EIF2S2
Bt.4624.1.S1_at	-2.10	LOC789476 /// STAT5B	STAT5B
Bt.1143.1.S1_at	-2.10	LAPTM4B	LAPTM4B
Bt.25144.1.A1_at	-2.10	---	PPP4R2
Bt.27137.1.S1_at	-2.10	THG1L	ICF45
Bt.16362.1.S1_at	-2.09	SETD3	C14orf154
Bt.22552.1.S1_at	-2.09	CLSTN1	CLSTN1
Bt.15782.1.S1_at	-2.09	---	CD59
Bt.12380.1.S1_at	-2.09	---	RERE
Bt.462.1.S1_at	-2.09	PRKAR2B	PRKAR2B
Bt.21359.1.S1_at	-2.09	---	SYN2
Bt.10046.1.A1_at	-2.09	KLHDC2	KLHDC2
Bt.5415.1.S1_at	-2.09	CCS	CCS
Bt.23673.1.A1_at	-2.09	---	MGC13272 MGC8407 MST1R
Bt.25560.1.A1_at	-2.09	SKIP	SKIP
Bt.26657.1.S1_at	-2.09	AASDH	AASDH
Bt.4594.1.S1_at	-2.09	BLA-DQB	HLA-DQB1
Bt.16205.1.A1_at	-2.09	LOC511583	LOC92689
Bt.16649.1.A1_at	-2.09	---	INADL
Bt.27186.1.S1_at	-2.08	MOSPD2	MOSPD2
Bt.8443.1.S1_at	-2.08	---	---
Bt.18730.1.A1_at	-2.08	DHFR	DHFR
Bt.1552.1.S1_at	-2.08	SARS	SARS
Bt.20457.2.S1_a_at	-2.08	RAD52	RAD52
Bt.4827.1.S1_at	-2.08	---	CAMKK2
Bt.1602.1.S1_at	-2.08	LOC100125304	ZNF613
Bt.2230.1.S2_at	-2.08	CAV1	CAV1
Bt.371.1.S1_at	-2.08	SLC25A4	SLC25A4
Bt.16761.1.S1_at	-2.08	ZNF75	ZNF75
Bt.12906.1.S1_at	-2.08	GSN	GSN
Bt.10371.1.S1_at	-2.08	LOC516241	CSAD
Bt.2537.2.S1_at	-2.08	---	TIMP3
Bt.27008.1.A1_at	-2.08	TJP1	TJP1
Bt.26416.1.A1_at	-2.08	---	FLJ16636
Bt.22477.1.S1_at	-2.08	---	---
Bt.24087.1.A1_at	-2.07	---	GNPAT
Bt.17613.1.A1_at	-2.07	---	PHKA1
Bt.4486.1.S1_a_at	-2.07	LIN37	F25965
Bt.11436.1.A1_at	-2.07	---	SHANK3
Bt.3158.1.S1_at	-2.07	BRD8	BRD8
Bt.5276.2.S1_a_at	-2.07	RNF25	RNF25
Bt.26402.1.A1_at	-2.07	---	PAWR

Bt.21765.1.S1_at	-2.07	RRAGD	RRAGD
Bt.20064.2.S1_at	-2.07	TSHZ1	SDCCAG33
Bt.9210.1.S1_at	-2.07	LOC617104	E2IG5
Bt.12689.1.A1_at	-2.06	VIPR1	VIPR1
Bt.12138.1.S1_at	-2.06	DNLZ	CARD9
Bt.16219.1.A1_at	-2.06	---	FRS2
Bt.8220.2.S1_at	-2.06	TACC1	TACC1
Bt.8251.2.S1_at	-2.06	YEATS2	YEATS2
Bt.24444.1.A1_at	-2.06	RORA	RORA
Bt.2098.2.S1_at	-2.06	ARHGEF12	ARHGEF12
Bt.15714.2.S1_a_at	-2.06	C5H12orf41	FLJ20436
AFFX-r2-Bs-thr-5_s_at	-2.06	---	---
Bt.26497.1.A1_at	-2.05	SCFD2	SCFD2
Bt.27829.2.S1_at	-2.05	VPS37A	FLJ32642
Bt.22500.1.A1_at	-2.05	LINS1	WINS1
Bt.24165.1.A1_at	-2.05	---	SET
Bt.15735.1.S1_at	-2.05	AGRN	AGRN
Bt.23360.1.S1_at	-2.05	NAPRT1	PP3856
Bt.19820.2.S1_at	-2.05	C9H6ORF35	C6orf35
Bt.9995.2.S1_at	-2.05	LYRM5	LOC144363
Bt.25275.1.A1_at	-2.05	---	---
Bt.6819.2.S1_at	-2.05	GNL2	GNL2
Bt.6516.1.A1_at	-2.05	CCDC85B	DIPA
Bt.6718.1.S1_at	-2.05	PYGB	PYGB
Bt.6239.1.S1_at	-2.04	PPA2	PPA2
Bt.27442.1.S1_at	-2.04	FAM151B	UNQ9217
Bt.10046.2.S1_a_at	-2.04	KLHDC2	KLHDC2
Bt.5830.1.S1_at	-2.04	CHRAC1	CHRAC1
Bt.10965.1.S1_at	-2.04	MSRB3	MSRB3
Bt.13309.1.S1_at	-2.04	---	TPD52
Bt.20823.2.S1_at	-2.04	---	MBNL3
Bt.7633.1.S1_at	-2.03	EEF1E1	EEF1E1
Bt.3478.1.A1_s_at	-2.03	CAV1	CAV1
Bt.3458.1.S1_at	-2.03	---	EIF2S2
Bt.29341.1.A1_at	-2.03	---	WIG1
Bt.15720.1.S1_at	-2.03	LOC534495	---
Bt.10027.2.S1_a_at	-2.03	CEACAM8	CEACAM1
Bt.5882.1.S1_at	-2.03	---	DNCH2 MGC2714 MMP13
Bt.10616.1.S1_a_at	-2.03	LOC618944	C6orf52
Bt.11078.2.S1_at	-2.03	AKR7A2	AKR7A3
Bt.4727.1.S1_at	-2.03	RXRB	RXRB
Bt.21456.1.S1_at	-2.03	LHFP	LHFP
Bt.26606.1.S1_at	-2.03	CHST1	CHST1
Bt.28828.1.S1_at	-2.03	LAMP3	LAMP3
Bt.21166.1.S1_at	-2.03	FBXO25	FBXO25
Bt.5013.3.S1_at	-2.03	WNK1	WNK1
Bt.10620.1.S1_at	-2.03	DOCK1	DOCK1
Bt.835.1.A1_at	-2.02	SNTB1	SNTB1 MTBP
Bt.4879.1.A1_at	-2.02	ZNF576	ZNF576
Bt.27314.1.A1_at	-2.02	FAM108B1	C9orf77
Bt.11925.1.A1_at	-2.02	TM2D3	BLP2
Bt.9069.1.S1_at	-2.02	ANKRD10	ANKRD10
Bt.12263.1.S1_at	-2.02	DLL4	DLL4
Bt.8794.2.S1_at	-2.02	TPST1	TPST1
Bt.17650.1.A1_at	-2.02	---	---
Bt.23586.1.S1_at	-2.02	SORT1	SORT1

Bt.28009.1.S1_at	-2.02	KRT8	KRT8
Bt.20489.1.S1_at	-2.02	---	MCL1 ECM1 ENSA
Bt.21704.1.S1_at	-2.02	ARFRP1	ARFRP1
Bt.22441.1.S1_at	-2.01	SMARCA2	SMARCA2
Bt.22320.3.S1_at	-2.01	TARDBP	TARDBP MASP2
Bt.23173.2.A1_at	-2.01	LOC512321	FLJ20323
Bt.26602.1.S1_at	-2.01	NHEJ1	FLJ12610
Bt.14203.1.A1_at	-2.01	---	---
Bt.16362.2.S1_at	-2.01	SETD3	C14orf154
Bt.5560.1.S1_at	-2.01	IGIP	---
Bt.6920.1.S1_at	-2.01	LOC510966	SELO
Bt.9711.1.S1_at	-2.01	ACOX3	ACOX3
Bt.20170.1.S1_at	-2.01	EHD2	EHD2
Bt.17252.1.S1_at	-2.01	TMEM135	FLJ22104
Bt.27767.1.A1_at	-2.01	GFRA2	SLC28A3
Bt.28824.1.A1_at	-2.01	H2AFV	H2AFV
AFFX-r2-Ec-bioC-5_at	-2.00	---	---
Bt.23532.1.S1_at	-2.00	LOC785706	---
Bt.22516.1.A1_at	-2.00	RDH14	RDH14
Bt.20117.2.S1_at	-2.00	ING1	ING1
Bt.20177.1.S1_at	-2.00	RBM4	RBM4
Bt.23212.1.S1_at	-2.00	SC4MOL	SC4MOL
Bt.4548.1.S1_at	-2.00	OS9	OS-9
Bt.17368.1.A1_at	-2.00	P2RY14	P2RY14

**Table S4:****(A)** Up regulated genes in pbMEC belonging to IPA functional category Inflammatory Responsefollowing stimulation with heat inactivated *E. coli* strain 1303 for 24 h.

Symbol (human)	Entrez Gene Name (human)	Symbol (bovine)	fold change
CCL5	chemokine (C-C motif) ligand 5	CCL5	868
DEFB4	defensin, beta 4	LAP	424
MX2	myxovirus (influenza virus) resistance 2	MX2	367
CCL20	chemokine (C-C motif) ligand 20	CCL20	311
IL8	interleukin 8	IL8	257
HP	haptoglobin	HP	153
IFI44	interferon-induced protein 44	IFI44	126
IFI6	interferon, alpha-inducible protein 6	IFI6	109
IL18BP	interleukin 18 binding protein	IL18BP	47
IL1B	interleukin 1, beta	IL1B	47
CCL2	chemokine (C-C motif) ligand 2	CCL2	46
OAS1	2',5'-oligoadenylate synthetase 1, 40/46kDa	OAS1	42
CXCL6	chemokine (C-X-C motif) ligand 6	CXCL5	33
IFI44L	interferon-induced protein 44-like	LOC508347	31
LGALS9	lectin, galactoside-binding, soluble, 9	LGALS9	28
MX1	myxovirus (influenza virus) resistance 1	MX1	25
CX3CL1	chemokine (C-X3-C motif) ligand 1	LOC517354	22
MUC1	mucin 1, cell surface associated	MUC1	18
CFB	complement factor B	CFB	17
LTB	lymphotoxin beta (TNF superfamily, member 3)	LTB	13
TNFSF13B	tumor necrosis factor (ligand) superfamily, member 13b	TNFSF13B	13
NOS2A	nitric oxide synthase 2A, inducible	NOS2A	13
HLA-DRA	major histocompatibility complex, class II, DR alpha	BOLA-DRA	12
S100A9	S100 calcium binding protein A9	S100A9	12
DDX58	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	DDX58	11
IL6	interleukin 6 (interferon, beta 2)	IL6	10
MMP9	matrix metalloproteinase 9	MMP9	10
IFIH1	interferon induced with helicase C domain 1	IFIH1	10
NFKBIA	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	NFKBIA	10
CXCL2	chemokine (C-X-C motif) ligand 2	CXCL2	9
LTF	lactotransferrin	LTF	9
IL1A	interleukin 1, alpha	IL1A	8
ISG20	interferon stimulated exonuclease gene 20kDa	ISG20	8
FAM14A	interferon, alpha-inducible protein 27-like 2	ISG12(A)	7
CASP4	caspase 4, apoptosis-related cysteine peptidase	CASP4	6
EIF2AK2	eukaryotic translation initiation factor 2-alpha kinase 2	EIF2AK2	5
TNFAIP3	tumor necrosis factor, alpha-induced protein 3	---	5
CD40	CD40 molecule, TNF receptor superfamily member 5	CD40	5
TLR2	toll-like receptor 2	TLR2	5
NFKBIZ	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta	NFKBIZ	5
TNFSF10	tumor necrosis factor (ligand) superfamily, member 10	TNFSF10	4
HLA-DRB1	major histocompatibility complex, class II, DR beta 1	BoLA-DRB3	4
PTGES	prostaglandin E synthase	PTGES	4

RELB	v-rel reticuloendotheliosis viral oncogene homolog B	RELB	4
HLA-A	major histocompatibility complex, class I, A	BOLA-NC1	4
CXCL3	chemokine (C-X-C motif) ligand 3	CXCL3	4
MMP7	matrix metalloproteinase 7 (matrilysin, uterine)	MMP7	4
IRF9	interferon regulatory factor 9	IRF9	4
SP140	SP140 nuclear body protein	SP140	4
HLA-DMB	major histocompatibility complex, class II, DM beta	BOLA-DMB	4
CD74	CD74 molecule, major histocompatibility complex, class II invariant chain	CD74	3
PLAUR	plasminogen activator, urokinase receptor	PLAUR	3
PSMB9	proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2)	PSMB9	3
PIK3R5	phosphoinositide-3-kinase, regulatory subunit 5	PIK3R5	3
S100A9	S100 calcium binding protein A9	S100A9	3
PLSCR2	phospholipid scramblase 2	PLSCR1	3
SOD2	superoxide dismutase 2, mitochondrial	SOD2	3
NFKB2	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)	NFKB2	3
CD38	CD38 molecule	CD38	3
PML	promyelocytic leukemia	---	3
IFITM3	interferon induced transmembrane protein 3 (1-8U)	IFITM3	3
APOA1	apolipoprotein A-I	APOA1	3
HCK	hemopoietic cell kinase	HCK	3
TNIP1	TNFAIP3 interacting protein 1	TNIP1	2
TAP1	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	TAP1	2
CFLAR	CASP8 and FADD-like apoptosis regulator	CFLAR	2
MBP	myelin basic protein	MBP	2
DMBT1	deleted in malignant brain tumors 1	DMBT1	2
IL1RN	interleukin 1 receptor antagonist	IL1RN	2
HLA-DMA	major histocompatibility complex, class II, DM alpha	BOLA-DMA	2
IRF7	interferon regulatory factor 7	IRF7	2
FAS	Fas (TNF receptor superfamily, member 6)	FAS	2
IRF1	interferon regulatory factor 1	IRF1	2
AIF1	allograft inflammatory factor 1	AIF1	2
STAT1	signal transducer and activator of transcription 1, 91kDa	STAT1	2
ABHD2	abhydrolase domain containing 2	ABHD2	2
IFNAR2	interferon (alpha, beta and omega) receptor 2	IFNAR2	2
VEGF	vascular endothelial growth factor	VEGFA	2
PIK3AP1	phosphoinositide-3-kinase adaptor protein 1	---	2
NFKB1	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	NFKB1	2
STAT2	signal transducer and activator of transcription 2, 113kDa	STAT2	2
PLAU	plasminogen activator, urokinase	PLAU	2
PSMB8	proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional peptidase 7)	PSMB8	2

**(B)** Same as A) but measured in udders after 24 h infection with live *E. coli* pathogens (same strain as used in A)

Symbol (human)	Entrez Gene Name (human)	Symbol (bovine)	fold change
IL8RB	interleukin 8 receptor, beta	IL8RA	608
CCL20	chemokine (C-C motif) ligand 20	CCL20	515
CCL4L	chemokine (C-C motif) ligand 4-like	CCL4	389
CCL3L1	chemokine (C-C motif) ligand 3-like 1	CCL3	357
IL1RN	interleukin 1 receptor antagonist	IL1RN	243
MEFV	Mediterranean fever	LOC529195	236
DEFB4	defensin, beta 4	BNBD-4 LAP  DEFB1  DEFB5  BNBD10  BNBD9-LIKE  DEFB7  DEFB8	202
S100A9	S100 calcium binding protein A9	S100A9	183
CD69	CD69 molecule	CD69	157
CCR1	chemokine (C-C motif) receptor 1	CCR1	147
GPX2	glutathione peroxidase 2 (gastrointestinal)	LOC533088	144
TNFAIP6	tumor necrosis factor, alpha-induced protein 6	TNFAIP6	138
SAA1	serum amyloid A1	SAA4  LOC616035	136
S100A12	S100 calcium binding protein A12	S100A12	126
IL1B	interleukin 1, beta	IL1B	114
IL1R2	interleukin 1 receptor, type II	IL1R1	106
TREM1	triggering receptor expressed on myeloid cells 1	TREM1	99
IGSF6	immunoglobulin superfamily, member 6	---	86
IL1A	interleukin 1, alpha	IL1A	84
CD55	CD55 molecule, decay accelerating factor for complement	DAF	70
NOS2A	nitric oxide synthase 2A, inducible	NOS2A	69
CXCL6	chemokine (C-X-C motif) ligand 6	CXCL5	69
TNFAIP3	tumor necrosis factor, alpha-induced protein 3	---	65
CSF3R	colony stimulating factor 3 receptor (granulocyte)	CSF3R	65
IL8	interleukin 8	IL8	58
CD80	CD80 molecule	CD80	56
S100A7	S100 calcium binding protein A7	S100A7	54
LTB	lymphotoxin beta (TNF superfamily, member 3)	LTB	51
CD48	CD48 molecule	CD48	50
CCL5	chemokine (C-C motif) ligand 5	CCL5	44
PLAUR	plasminogen activator, urokinase receptor	PLAUR	41
OLR1	oxidized low density lipoprotein (lectin-like) receptor 1	OLR1	40
S100A8	S100 calcium binding protein A8	S100A8	39
HCK	hemopoietic cell kinase	HCK	39
ALOX5AP	arachidonate 5-lipoxygenase-activating protein	ALOX5AP	39
CSF3	colony stimulating factor 3 (granulocyte)	CSF3	37
PTGS2	prostaglandin-endoperoxide synthase 2	PTGS2	36
FCAR	Fc fragment of IgA, receptor for	FCAR	36
HP	haptoglobin	HP	36
IER3	immediate early response 3	IER3	35
PTAFR	platelet-activating factor receptor	PTAFR	32
FCER1G	Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide	FCER1G	31

ABCA1	ATP-binding cassette, sub-family A (ABC1), member 1	ABCA1	31
PLAU	plasminogen activator, urokinase	PLAU	30
TNC	tenascin C	TNC	29
NCF1	neutrophil cytosolic factor 1	NCF1	27
CD40	CD40 molecule, TNF receptor superfamily member 5	CD40	26
CXCL2	chemokine (C-X-C motif) ligand 2	CXCL2	23
IL6	interleukin 6 (interferon, beta 2)	IL6	22
LILRB3	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	LOC782062	22
TNFRSF1B	tumor necrosis factor receptor superfamily, member 1B	---	21
MARCO	macrophage receptor with collagenous structure	LOC505632	20
SERPINE1	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1	SERPINE1	20
FOSL1	FOS-like antigen 1	FOSL1	20
CFB	complement factor B	CFB	20
CORO1A	coronin, actin binding protein, 1A	CORO1A	19
PDE4B	phosphodiesterase 4B, cAMP-specific	PDE4B	19
IL2RG	interleukin 2 receptor, gamma	IL2RG	18
LYZ	lysozyme (renal amyloidosis)	LYZ	17
NFKB2	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)	NFKB2	17
SPI1	spleen focus forming virus (SFFV) proviral integration oncogene spi1	SPI1	16
CD14	CD14 molecule	CD14	16
TYROBP	TYRO protein tyrosine kinase binding protein	TYROBP	16
AQP9	aquaporin 9	AQP9	15
ICAM1	intercellular adhesion molecule 1	ICAM1	15
IL6R	interleukin 6 receptor	IL6R	14
IL2RA	interleukin 2 receptor, alpha	IL2RA	14
CCL2	chemokine (C-C motif) ligand 2	CCL2	14
SLPI	secretory leukocyte peptidase inhibitor	SLPI	14
ITGA2	integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	ITGA2	13
IL10RA	interleukin 10 receptor, alpha	---	13
RELB	v-rel reticuloendotheliosis viral oncogene homolog B	RELB	13
ITGAX	integrin, alpha X (complement component 3 receptor 4 subunit)	---	13
SERPINA1	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	SERPINA1	13
PIK3R5	phosphoinositide-3-kinase, regulatory subunit 5	PIK3R5	13
VAV1	vav 1 guanine nucleotide exchange factor	LOC789767  VAV1	12
ITGB6	integrin, beta 6	ITGB6	12
FGR	Gardner-Rasheed feline sarcoma viral (v-fgr)	FGR	12
MX1	myxovirus (influenza virus) resistance 1	MX1	11
CCL8	chemokine (C-C motif) ligand 8	CCL8	10
RAC2	ras-related C3 botulinum toxin substrate 2	RAC2	10
TNF	tumor necrosis factor (TNF superfamily, member 2)	TNF	9
ADRB2	adrenergic, beta-2-, receptor, surface	ADRB2	9
ITGB2	integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)	ITGB2	9
IL18BP	interleukin 18 binding protein	IL18BP	9
TLR4	toll-like receptor 4	---	9
CD244	CD244 molecule, natural killer cell receptor 2B4	CD244	8
LAT2	linker for activation of T cells family, member 2	LAT2	8
SLC11A1	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1	SLC11A1	8
CASP4	caspase 4, apoptosis-related cysteine peptidase	CASP4	8
FYB	FYN binding protein (FYB-120/130)	FYB	8



GPSM3	G-protein signaling modulator 3 (AGS3-like, <i>C. elegans</i> )	GPSM3	8
SELL	selectin L	SELL	8
THBD	thrombomodulin	THBD	7
CD44	CD44 molecule (Indian blood group)	CD44	7
TNFRSF6B	tumor necrosis factor receptor superfamily, member 6b, decoy	TNFRSF6B	7
LCP1	lymphocyte cytosolic protein 1 (L-plastin)	LCP1	7
IL1RAP	interleukin 1 receptor accessory protein	---	7
JARID2	jumonji, AT rich interactive domain 2	JARID2	6
TRAF3	TNF receptor-associated factor 3	BDKRB2	6
PVR	poliovirus receptor	PVR	6
PIK3AP1	phosphoinositide-3-kinase adaptor protein 1	---	6
PTX3	pentraxin-related gene, rapidly induced by IL-1 beta	PTX3	6
ETS2	v-ets erythroblastosis virus E26 oncogene homolog 2 (avian)	ETS2	6
VNN1	vanin 1	VNN1	6
ADA	adenosine deaminase	ADA	6
F3	coagulation factor III (thromboplastin, tissue factor)	F3	6
TLR2	toll-like receptor 2	TLR2	6
NFKBIZ	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta	NFKBIZ	6
KCNN4	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4	KCNN4	6
SOCS1	suppressor of cytokine signaling 1	SOCS1	6
PRKCD	protein kinase C, delta	PRKCD	6
SOCS3	suppressor of cytokine signaling 3	AATK	5
SELP	selectin P (granule membrane protein 140kDa, antigen CD62)	SELP	5
GJB2	gap junction protein, beta 2, 26kDa	GJA3 GJB6	5
CASP1	caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase)	CASP1	5
CD97	CD97 molecule	CD97	5
TXN	thioredoxin	TXN	5
S100A10	S100 calcium binding protein A10	ASH1L	5
CAPG	capping protein (actin filament), gelsolin-like	CAPG	5
TNIP1	TNFAIP3 interacting protein 1	TNIP1	5
BCL3	B-cell CLL/lymphoma 3	BCL3	5
CCL11	chemokine (C-C motif) ligand 11	LOC504773	5
CTSC	cathepsin C	---	5
HYOU1	hypoxia up-regulated 1	HYOU1	5
SOAT1	sterol O-acyltransferase 1	SOAT1	5
NCF4	neutrophil cytosolic factor 4, 40kDa	NCF4	5
NFKBIA	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	NFKBIA	5
LGALS1	lectin, galactoside-binding, soluble, 1	LGALS1	5
BPI	bactericidal/permeability-increasing protein	BPI	4
CSF2RA	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	---	4
CTSB	cathepsin B	CTSB	4
ZC3HAV1	zinc finger CCCH-type, antiviral 1	ZC3HAV1	4
GPX1	glutathione peroxidase 1	GPX1	4
TIAM1	T-cell lymphoma invasion and metastasis 1	TIAM1	4
CD83	CD83 molecule	CD83	4
SEMA4D	sema domain, immunoglobulin domain (Ig), (semaphorin) 4D	---	4
ANXA1	annexin A1	ANXA1	4
CYBB	cytochrome b-245, beta polypeptide	---	4
MMP9	matrix metalloproteinase 9	MMP9	4
STX4	syntaxin 4	STX4	4
IL18	interleukin 18 (interferon-gamma-inducing factor)	IL18	4
TGM2	transglutaminase 2	TGM2	4

NCR3	natural cytotoxicity triggering receptor 3	LOC615744	4
CD247	CD247 molecule	CD247	4
F2RL2	coagulation factor II (thrombin) receptor-like 2	F2RL2	4
MSN	moesin	MSN	4
STAT6	signal transducer and activator of transcription 6, interleukin-4 induced	USP15	4
GGT5	gamma-glutamyltransferase 5	GGT5	4
NFKB1	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	NFKB1	4
HSP90B1	heat shock protein 90kDa beta (Grp94), member 1	HSP90B1	4
CALCRL	calcitonin receptor-like	CALCRL	4
LYN	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog	LYN	4
CALR	calreticulin	CALR	4
STEAP2	six transmembrane epithelial antigen of the prostate 2	STEAP2	4
PTPRC	protein tyrosine phosphatase, receptor type, C	PTPRC	4
HMOX1	heme oxygenase (decycling) 1	HMOX1	3
SIRPA	signal-regulatory protein alpha	SIRPA	3
UBE2N	ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast)	UBE2N	3
HRH1	histamine receptor H1	HRH1	3
RGS2	regulator of G-protein signaling 2, 24kDa	---	3
GNAI2	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	GNAI2	3
CCR7	chemokine (C-C motif) receptor 7	CCR7	3
IRF1	interferon regulatory factor 1	IRF1	3
CXCL16	chemokine (C-X-C motif) ligand 16	CXCL16	3
FYN	FYN oncogene related to SRC, FGR, YES	FYN	3
SEMA4A	sema domain, immunoglobulin domain (Ig), (semaphorin) 4A	SEMA4A	3
PRDX5	peroxiredoxin 5	PRDX5	3
PFN1	profilin 1	PFN1	3
CSF1	colony stimulating factor 1 (macrophage)	CSF1	3
EIF2AK2	eukaryotic translation initiation factor 2-alpha kinase 2	EIF2AK2	3
CISH	cytokine inducible SH2-containing protein	CISH	3
CFLAR	CASP8 and FADD-like apoptosis regulator	CFLAR	3
MAP2K3	mitogen-activated protein kinase kinase 3	MAP2K3	3
PTPN6	protein tyrosine phosphatase, non-receptor type 6	PTPN6	3
FN1	fibronectin 1	FN1	3
PLSCR1	phospholipid scramblase 2	PLSCR1	3
IL4R	interleukin 4 receptor	IL4R	3
TAP1	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	TAP1	3
GJA1	gap junction protein, alpha 1, 43kDa	GJA1	3
FOS	v-fos FBJ murine osteosarcoma viral oncogene homolog	FOS	3
PRKX	protein kinase, X-linked	---	3
CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	CDKN1A	3
TRAF2	TNF receptor-associated factor 2	TRAF2	3
DIAPH1	diaphanous homolog 1 (Drosophila)	LOC786565	3
JUNB	jun B proto-oncogene	JUNB	3
HSPA1B	heat shock 70kDa protein 1B	HSPA1B	3
NFIL3	nuclear factor, interleukin 3 regulated	NFIL3	3
GPR65	G protein-coupled receptor 65	GPR65	3
KLF2	Kruppel-like factor 2 (lung)	LOC520939	3
CTSS	cathepsin S	CTSS	3
PARP4	poly (ADP-ribose) polymerase family, member 4	PARP4	3
PTPN1	protein tyrosine phosphatase, non-receptor type 1	PTPN1	3
IL10RB	interleukin 10 receptor, beta	IL10RB	3
NFKBIB	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	NFKBIB	3
HLA-A	major histocompatibility complex, class I, A	BoLA HLA-A	3

AHR	aryl hydrocarbon receptor	AHR	3
CSK	c-src tyrosine kinase	CSK	3
LCP2	lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa)	LCP2	3
PLA2G7	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	PLA2G7	2
CCL28	chemokine (C-C motif) ligand 28	CCL28	2
PIK3CD	phosphoinositide-3-kinase, catalytic, delta polypeptide	PIK3CD	2
ZFP36	zinc finger protein 36, C3H type, homolog	ZFP36	2
IL27RA	interleukin 27 receptor, alpha	IL27RA	2
LBP	lipopolysaccharide binding protein	LBP	2
CNP	2',3'-cyclic nucleotide 3' phosphodiesterase	CNP	2
JMJD6	jumonji domain containing 6	JMJD6	2
DARC	Duffy blood group, chemokine receptor	DARC	2
WAS	Wiskott-Aldrich syndrome (eczema-thrombocytopenia)	---	2
IKBKG	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma	IKBKG	2
CXCR4	chemokine (C-X-C motif) receptor 4	CXCR4	2
CD200	CD200 molecule	CD200	2
LGALS3	lectin, galactoside-binding, soluble, 3	LGALS3	2
LTF	lactotransferrin	LTF	2
CD47	CD47 molecule	CD47	2
CD97	CD97 molecule	CD97	2
MSH2	mutS homolog 2, colon cancer, nonpolyposis type 1	MSH2	2
CXCL3	chemokine (C-X-C motif) ligand 3	CXCL3	2
PON2	paraoxonase 2	PON2	2
CX3CL1	chemokine (C-X3-C motif) ligand 1	CX3CL1	2
IFNAR2	interferon (alpha, beta and omega) receptor 2	IFNAR2	2
TAPBP	TAP binding protein (tapasin)	TAPBP	2
IRF9	interferon regulatory factor 9	IRF9	2
FAM14A	interferon, alpha-inducible protein 27-like 2	ISG12(A)	2
RNASE6	ribonuclease, RNase A family, k6	RNASE6	2
TNFSF13	tumor necrosis factor (ligand) superfamily, member 13	TNFSF13	2
CEBPB	CCAAT/enhancer binding protein (C/EBP), beta	CEBPB	2
MIF	macrophage migration inhibitory factor	MIF	2
PSMB9	proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2)	PSMB9	2
GBA	glucosidase, beta; acid (includes glucosylceramidase)	GBA	2
ELF1	E74-like factor 1 (ets domain transcription factor)	ELF1	2
STAT1	signal transducer and activator of transcription 1, 91kDa	STAT1	2
TLR6	toll-like receptor 6	TLR1 TLR6	2
IL6ST	interleukin 6 signal transducer (gp130, oncostatin M receptor)	IL6ST	2
PSME2	proteasome (prosome, macropain) activator subunit 2 (PA28 beta)	PSME2	2