

Table S1. Affymetrix U133 Plus 2.0 GeneChip array data showing transcripts in HDLECs up- or down-regulated by a factor of at least twofold ($P < 0.1$) after stimulation with TNF- α .

Probe set ID	Gene title	Gene symbol	Chromosomal location	Fold up-regulation
205476_at	chemokine (C-C motif) ligand 20	CCL20	2q33-q37	444.3
215101_s_at	chemokine (C-X-C motif) ligand 5	CXCL5	4q12-q13	390.3
214974_x_at	chemokine (C-X-C motif) ligand 5	CXCL5	4q12-q13	387.7
203868_s_at	vascular cell adhesion molecule 1	VCAM1	1p32-p31	214.1
201641_at	bone marrow stromal cell antigen 2	BST2	19p13.2	180.2
206211_at	selectin E (endothelial adhesion molecule 1)	SELE	1q22-q25	160.4
204439_at	interferon-induced protein 44-like	IFI44L	1p31.1	149.6
208747_s_at	complement component 1, s subcomponent	C1S	12p13	137.8
204994_at	myxovirus (influenza virus) resistance 2 (mouse)	MX2	21q22.3	99.22
214574_x_at	leukocyte specific transcript 1	LST1	6p21.3	88.3
211582_x_at	leukocyte specific transcript 1	LST1	6p21.3	86.6
214181_x_at	leukocyte specific transcript 1	LST1	6p21.3	80.53
1553293_at	G protein-coupled receptor MRGX3	MRGX3	11p15.1	79.96
1555229_a_at	complement component 1, s subcomponent	C1S	12p13	76.55
235229_at	PREDICTED: Homo sapiens similar to Olfactory receptor 2I2 (LOC442197), mRNA			75.87
226702_at	hypothetical protein LOC129607	LOC129607	2p25.2	75.85
205890_s_at	ubiquitin D	UBD	6p21.3	73.63
212067_s_at	complement component 1, r subcomponent	C1R	12p13	71.05
238531_x_at	PREDICTED: Homo sapiens similar to Olfactory receptor 2I2 (LOC442197), mRNA			49.58
204655_at	chemokine (C-C motif) ligand 5	CCL5	17q11.2-q12	47.68
227609_at	epithelial stromal interaction 1 (breast)	EPSTI1	13q13.3	43.72
203153_at	interferon-induced protein with tetratricopeptide repeats 1	IFIT1	10q25-q26	39.31
214022_s_at	interferon induced transmembrane protein 1 (9-27)	IFITM1	11p15.5	38.05
209774_x_at	chemokine (C-X-C motif) ligand 2	CXCL2	4q21	37.68
1405_i_at	chemokine (C-C motif) ligand 5	CCL5	17q11.2-q12	37.08
207536_s_at	tumor necrosis factor receptor superfamily, member 9	TNFRSF9	1p36	34.55
212942_s_at	KIAA1199	KIAA1199	15q24	30.84
210538_s_at	baculoviral IAP repeat-containing 3	BIRC3	11q22	30
202086_at	myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse)	MX1	21q22.3	29.87
1554997_a_at	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	PTGS2	1q25.2-q25.3	29.52
202357_s_at	B-factor, properdin	BF	6p21.3	28.46
204924_at	toll-like receptor 2	TLR2	4q32	26.09
207339_s_at	lymphotoxin beta (TNF	LTB	6p21.3	23.05

238629_x_at	superfamily, member 3) PREDICTED: Homo sapiens similar to Olfactory receptor 2I2 (LOC442197), mRNA			22.84
204415_at	interferon, alpha-inducible protein (clone IFI-6-16)	G1P3	1p35	22.73
202411_at	interferon, alpha-inducible protein 27	IFI27	14q32	22.61
215223_s_at	superoxide dismutase 2, mitochondrial	SOD2	6q25.3	20.43
227393_at	tumor protein p53 inducible protein 5	TP53I5	11p15.5	19.75
823_at	chemokine (C-X3-C motif) ligand 1	CX3CL1	16q13	18.32
219352_at	hect domain and RLD 6	HERC6	4q22.1	18.2
205207_at	interleukin 6 (interferon, beta 2)	IL6	7p21	17.67
219424_at	Epstein-Barr virus induced gene 3	EBI3	19p13.3	17.54
214453_s_at	interferon-induced protein 44	IFI44	1p31.1	17.44
202643_s_at	tumor necrosis factor, alpha- induced protein 3	TNFAIP 3	6q23	17.13
205599_at	TNF receptor-associated factor 1	TRAF1	9q33-q34	16.6
206027_at	S100 calcium binding protein A3	S100A3	1q21	16.18
204972_at	2'-5'-oligoadenylate synthetase 2, 69/71kDa	OAS2	12q24.2	15.7
227677_at	Janus kinase 3 (a protein tyrosine kinase, leukocyte)	JAK3	19p13.1	15.35
218400_at	2'-5'-oligoadenylate synthetase 3, 100kDa	OAS3	12q24.2	15
216841_s_at	superoxide dismutase 2, mitochondrial	SOD2	6q25.3	14.34
204748_at	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	PTGS2	1q25.2-q25.3	14.23
202644_s_at	tumor necrosis factor, alpha- induced protein 3	TNFAIP 3	6q23	13.34
235276_at				13.25
221477_s_at	hypothetical protein MGC5618	MGC561 8		10.61
209417_s_at	interferon-induced protein 35	IFI35	17q21	10.43
200923_at	lectin, galactoside-binding, soluble, 3 binding protein	LGALS3 BP	17q25	10.33
202295_s_at	cathepsin H	CTSH	15q24-q25	9.888
212977_at	chemokine orphan receptor 1	CMKOR 1	2q37.3	9.155
235609_at	BRCA1 interacting protein C- terminal helicase 1	BRIP1	17q22-q24	9.063
204128_s_at	replication factor C (activator 1) 3, 38kDa	RFC3	13q12.3-q13	8.893
206082_at	HLA complex P5	HCP5	6p21.3	8.702
230499_at	Baculoviral IAP repeat-containing 3	BIRC3	11q22	8.63
205483_s_at	interferon, alpha-inducible protein (clone IFI-15K)	G1P2	1p36.33	8.594
204502_at	SAM domain and HD domain 1	SAMHD 1	20pter-q12	8.458
1555464_at	interferon induced with helicase C domain 1	IFIH1	2p24.3-q24.3	8.434
219209_at	interferon induced with helicase C domain 1	IFIH1	2p24.3-q24.3	8.362
205552_s_at	2',5'-oligoadenylate synthetase 1,	OAS1	12q24.1	8.315

	40/46kDa			
230966_at	interleukin 4 induced 1	IL4I1	19q13.3-q13.4	8.249
210145_at	phospholipase A2, group IVA (cytosolic, calcium-dependent)	PLA2G4 A	1q25	8.062
205046_at	centromere protein E, 312kDa	CENPE	4q24-q25	8.023
234987_at	SAM domain and HD domain 1	SAMHD 1	20pter-q12	7.951
215485_s_at	intercellular adhesion molecule 1 (CD54), human rhinovirus receptor	ICAM1	19p13.3-p13.2	7.695
232504_at	hypothetical protein LOC285628	LOC285 628	5q34	7.685
202637_s_at	intercellular adhesion molecule 1 (CD54), human rhinovirus receptor	ICAM1	19p13.3-p13.2	7.601
221900_at	collagen, type VIII, alpha 2	COL8A2	1p34.2	7.598
213599_at	Opa interacting protein 5	OIP5	15q15.1	7.563
217767_at	complement component 3	C3	19p13.3-p13.2	7.47
214913_at	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 3	ADAMT S3	4q13.3	7.363
202869_at	2',5'-oligoadenylate synthetase 1, 40/46kDa	OAS1	12q24.1	7.344
202638_s_at	intercellular adhesion molecule 1 (CD54), human rhinovirus receptor	ICAM1	19p13.3-p13.2	7.29
207992_s_at	adenosine monophosphate deaminase (isoform E)	AMPD3	11p15	7.114
220565_at	chemokine (C-C motif) receptor 10	CCR10	17q21.1-q21.3	7.076
216598_s_at	chemokine (C-C motif) ligand 2	CCL2	17q11.2-q21.1	7.034
219990_at	FLJ23311 protein	FLJ2331 1	11p15.1	6.993
202270_at	guanylate binding protein 1, interferon-inducible, 67kDa	GBP1	1p22.2	6.916
222549_at	claudin 1	CLDN1	3q28-q29	6.749
209464_at	aurora kinase B	AURKB	17p13.1	6.554
201422_at				6.552
204146_at	RAD51 associated protein 1	RAD51	12p13.2-p13.1	6.517
228281_at	hypothetical protein FLJ25416	FLJ2541 6	11q14.1	6.511
210652_s_at	chromosome 1 open reading frame 34	C1orf34	1p32.3	6.308
205733_at	Bloom syndrome	BLM	15q26.1	6.304
205691_at	synaptogyrin 3	SYNGR 3	16p13	6.126
202901_x_at	cathepsin S	CTSS	1q21	6.063
1554768_a_at	MAD2 mitotic arrest deficient-like 1 (yeast)	MAD2L 1	4q27	6.046
1554696_s_at	thymidylate synthetase	TYMS	18p11.32	5.924
205844_at	vanin 1	VNN1	6q23-q24	5.92
223381_at	cell division cycle associated 1	CDCA1	1q23.3	5.821
203828_s_at	interleukin 32	IL32	16p13.3	5.774
235529_x_at	SAM domain and HD domain 1	SAMHD 1	20pter-q12	5.739
214398_s_at	inhibitor of kappa light polypeptide gene enhancer in B-	IKBKE	1q32.1	5.658

206632_s_at	cells, kinase epsilon apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3B	APOBE C3B	22q13.1-q13.2	5.612
221530_s_at	basic helix-loop-helix domain containing, class B, 3	BHLHB 3	12p11.23- p12.1	5.596
238327_at	similar to MGC52679 protein	LOC440 836	22q13.33	5.57
204709_s_at	kinesin family member 23	KIF23	15q23	5.456
224753_at	cell division cycle associated 5	CDCA5	11q12.1	5.411
222868_s_at	interleukin 18 binding protein	IL18BP	11q13	5.39
236045_x_at	LOC441801		17p13.3	5.35
235964_x_at	SAM domain and HD domain 1	SAMHD 1	20pter-q12	5.334
228975_at	Sp6 transcription factor	SP6	17q21.32	5.241
213906_at	v-myb myeloblastosis viral oncogene homolog (avian)-like 1	MYBL1	8q22	5.17
204174_at	arachidonate 5-lipoxygenase- activating protein	ALOX5 AP	13q12	5.156
220975_s_at	C1q and tumor necrosis factor related protein 1	C1QTNF 1	17q25.3	5.146
209642_at	BUB1 budding uninhibited by benzimidazoles 1 homolog (yeast)	BUB1	2q14	5.107
221521_s_at	DNA replication complex GINS protein PSF2	Pfs2	16q24.1	5.032
236641_at	Kinesin family member 14	KIF14	1pter-q31.3	5.003
203765_at	grancalcin, EF-hand calcium binding protein	GCA	2q24.2	4.942
202902_s_at	cathepsin S	CTSS	1q21	4.932
218943_s_at	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	DDX58	9p12	4.92
221258_s_at	kinesin family member 18A	KIF18A	11p14.1	4.862
210260_s_at	tumor necrosis factor, alpha- induced protein 8	TNFAIP 8	5q23.1	4.831
242560_at	Fanconi anemia, complementation group D2	FANCD 2	3p26	4.78
219593_at	solute carrier family 15, member 3	SLC15A 3	11q12.2	4.765
226051_at	selenoprotein M	SELM	22q12.2	4.763
225847_at	arylacetamide deacetylase-like 1	AADAC L1	3q26.31	4.746
217967_s_at	chromosome 1 open reading frame 24	C1orf24	1q25	4.733
210285_x_at	Wilms tumor 1 associated protein	WTAP	6q25-q27	4.681
219869_s_at	solute carrier family 39 (zinc transporter), member 8	SLC39A 8	4q22-q24	4.649
241031_at	Nuclear localized factor 1	NLF1	15q22.2	4.622
227262_at	hyaluronan and proteoglycan link protein 3	HAPLN 3	15q26.1	4.62
223220_s_at	poly (ADP-ribose) polymerase family, member 9	PARP9	3q13-q21	4.616
239979_at	Epithelial stromal interaction 1 (breast)	EPSTI1	13q13.3	4.542
203927_at	nuclear factor of kappa light polypeptide gene enhancer in B- cells inhibitor, epsilon	NFKBIE	6p21.1	4.518
203967_at	CDC6 cell division cycle 6 homolog (S. cerevisiae)	CDC6	17q21.3	4.485
212619_at	KIAA0286 protein	KIAA02	12q13.3	4.462

205205_at	v-rel reticuloendotheliosis viral oncogene homolog B, nuclear factor of kappa light polypeptide gene enhancer in B-cells 3 (avian)	86 RELB	19q13.31- q13.32	4.441
1553141_at	hypothetical protein FLJ38725	FLJ3872 5	13q14.11	4.437
203137_at	Wilms tumor 1 associated protein	WTAP	6q25-q27	4.4
227764_at	hypothetical protein MGC52057	MGC520 57	2q23.3	4.381
204858_s_at	endothelial cell growth factor 1 (platelet-derived)	ECGF1	22q13 22q13.3 3	4.367
203362_s_at	MAD2 mitotic arrest deficient-like 1 (yeast)	MAD2L 1	4q27	4.296
202660_at	Inositol 1,4,5-triphosphate receptor, type 2	ITPR2	12p11	4.29
225436_at	hypothetical protein from EUROIMAGE 588495	LOC584 89	15q25.1	4.29
215870_s_at	phospholipase A2, group V	PLA2G5	1p36-p34	4.284
208368_s_at	breast cancer 2, early onset	BRCA2	13q12.3	4.28
223556_at	helicase, lymphoid-specific	HELLS	10q24.2	4.222
215509_s_at	BUB1 budding uninhibited by benzimidazoles 1 homolog (yeast)	BUB1	2q14	4.191
203145_at	sperm associated antigen 5	SPAG5	17q11.2	4.183
204825_at	maternal embryonic leucine zipper kinase	MELK	9p13.2	4.177
220085_at	helicase, lymphoid-specific	HELLS	10q24.2	4.163
204127_at	replication factor C (activator 1) 3, 38kDa	RFC3	13q12.3-q13	4.111
208296_x_at	tumor necrosis factor, alpha-induced protein 8	TNFAIP 8	5q23.1	4.086
202661_at	inositol 1,4,5-triphosphate receptor, type 2	ITPR2	12p11	4.073
204126_s_at	CDC45 cell division cycle 45-like (<i>S. cerevisiae</i>)	CDC45L	22q11.21	4.064
219148_at	PDZ binding kinase	PBK	8p21.2	4.025
204549_at	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon	IKBKE	1q32.1	4.016
213008_at	hypothetical protein FLJ10719	FLJ1071 9	15q25-q26	3.991
203560_at	gamma-glutamyl hydrolase (conjugase, foylpolypolygammaglutamyl hydrolase)	GGH	8q12.3	3.959
236099_at	Transcribed locus			3.959
222848_at	leucine zipper protein FKSG14	FKSG14	5p15.2-q12.3	3.956
204887_s_at	polo-like kinase 4 (<i>Drosophila</i>)	PLK4	4q27-q28	3.951
202145_at	lymphocyte antigen 6 complex, locus E	LY6E	8q24.3	3.829
203968_s_at	CDC6 cell division cycle 6 homolog (<i>S. cerevisiae</i>)	CDC6	17q21.3	3.803
213112_s_at	sequestosome 1	SQSTM 1	5q35	3.798
226456_at	hypothetical protein MGC24665	MGC246 65	16p13.13	3.783
202307_s_at	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	TAP1	6p21.3	3.775

217299_s_at	Nijmegen breakage syndrome 1 (nibrin)	NBS1	8q21	3.75
213007_at	hypothetical protein FLJ10719	FLJ10719	15q25-q26	3.738
208436_s_at	interferon regulatory factor 7	IRF7	11p15.5	3.719
244033_at				3.706
1559051_s_at	chromosome 6 open reading frame 150	C6orf150	6q13	3.705
225282_at	hypothetical protein AL133206	LOC64744	1p35.3-p34.1	3.7
204768_s_at	flap structure-specific endonuclease 1	FEN1	11q12	3.693
209716_at	colony stimulating factor 1 (macrophage)	CSF1	1p21-p13	3.688
220987_s_at	chromosome 11 open reading frame 17	C11orf17	11p15.3	3.678
218810_at	MCP-1 treatment-induced protein	MCPIP	1p34.3	3.678
207196_s_at	TNFAIP3 interacting protein 1	TNIP1	5q32-q33.1	3.66
205909_at	polymerase (DNA directed), epsilon 2 (p59 subunit)	POLE2	14q21-q22	3.63
204575_s_at	matrix metalloproteinase 19	MMP19	12q14	3.629
232617_at	cathepsin S	CTSS	1q21	3.621
224428_s_at	cell division cycle associated 7	CDCA7	2q31	3.619
218986_s_at	hypothetical protein FLJ20035	FLJ20035	4q32.3	3.593
204279_at	proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2)	PSMB9	6p21.3	3.585
221703_at	BRCA1 interacting protein C-terminal helicase 1	BRIP1	17q22-q24	3.549
205076_s_at	myotubularin related protein 11	MTMR11	1q12-q21	3.527
222150_s_at	hypothetical protein LOC54103	LOC54103	7q11.23	3.518
204510_at	CDC7 cell division cycle 7 (S. cerevisiae)	CDC7	1p22	3.515
216020_at	Interferon induced with helicase C domain 1	IFIH1	2p24.3-q24.3	3.515
202906_s_at	Nijmegen breakage syndrome 1 (nibrin)	NBS1	8q21	3.507
242890_at	Helicase, lymphoid-specific	HELLS	10q24.2	3.5
209636_at	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)	NFKB2	10q24	3.479
201490_s_at	peptidylprolyl isomerase F (cyclophilin F)	PPIF	10q22-q23	3.479
221610_s_at	signal-transducing adaptor protein-2	STAP2	19p13.3	3.455
225834_at	Similar to RIKEN cDNA 2700049P18 gene	MGC57827		3.451
220658_s_at	aryl hydrocarbon receptor nuclear translocator-like 2	ARNTL2	12p12.2-p11.2	3.435
204224_s_at	GTP cyclohydrolase 1 (dopa-responsive dystonia)	GCH1	14q22.1-q22.2	3.43
233754_x_at	zinc finger protein 71 (Cos26)	ZNF71	19q13.4	3.428
239413_at	KIAA0912 protein	Cep152	15q21.1	3.42
218182_s_at	claudin 1	CLDN1	3q28-q29	3.418
209544_at	receptor-interacting serine-threonine kinase 2	RIPK2	8q21	3.412

214228_x_at	tumor necrosis factor receptor superfamily, member 4	TNFRSF4	1p36	3.394
207535_s_at	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)	NFKB2	10q24	3.356
204070_at	retinoic acid receptor responder (tazarotene induced) 3	RARRES3	11q23	3.352
209493_at	PDZ domain containing 3	PDZK3	5p13.3	3.319
209545_s_at	receptor-interacting serine-threonine kinase 2	RIPK2	8q21	3.31
227647_at	potassium voltage-gated channel, Isk-related family, member 3	KCNE3	11q13-q14	3.286
212142_at	MCM4 minichromosome maintenance deficient 4 (<i>S. cerevisiae</i>)	MCM4	8q11.2	3.267
223103_at	START domain containing 10	STARD10	11q13	3.25
226514_at	zinc finger protein 71 (<i>Cos26</i>)	ZNF71	19q13.4	3.24
227928_at	hypothetical protein FLJ20641	FLJ20641	12q23.3	3.201
242394_at	CNKSR family member 3	CNKSR3	6q25.2	3.163
217933_s_at	leucine aminopeptidase 3	LAP3	4p15.32	3.14
203414_at	monocyte to macrophage differentiation-associated	MMD	17q	3.14
226117_at	TRAF-interacting protein with a forkhead-associated domain	TIFA	4q25	3.106
204908_s_at	B-cell CLL/lymphoma 3	BCL3	19q13.1-q13.2	3.101
213142_x_at	hypothetical protein LOC54103	LOC54103	7q11.23	3.101
219582_at	opioid growth factor receptor-like 1	OGFRL1	6q13	3.096
205339_at	TAL1 (<i>SCL</i>) interrupting locus	SIL	1q32 1p32	3.089
210176_at	toll-like receptor 1	TLR1	4p14	3.078
219494_at	RAD54 homolog B (<i>S. cerevisiae</i>)	RAD54B	8q21.3-q22	3.061
219258_at	timeless-interacting protein	FLJ20516	15q22.31	3.052
210416_s_at	CHK2 checkpoint homolog (<i>S. pombe</i>)	CHEK2	22q11 22q12.1	3.044
228069_at	family with sequence similarity 54, member A	FAM54A	6q23.3	3.032
204519_s_at	plasma membrane proteolipid (plasmolipin)	PLLP	16q13	3.018
219703_at	meiosis-specific nuclear structural protein 1	MNS1	15q21.3	2.992
204404_at	solute carrier family 12 (sodium/potassium/chloride transporters), member 2	SLC12A2	5q23.3	2.989
224204_x_at	aryl hydrocarbon receptor nuclear translocator-like 2	ARNTL2	12p12.2-p11.2	2.986
209607_x_at	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3	SULT1A3	16p11.2	2.984
238542_at	UL16 binding protein 2	ULBP2	6q25	2.977
228937_at	hypothetical protein FLJ38725	FLJ38725	13q14.11	2.971
218627_at	hypothetical protein FLJ11259	FLJ11259	12q23.3	2.969
202510_s_at	tumor necrosis factor, alpha-induced protein 2	TNFAIP2	14q32	2.969
212141_at	MCM4 minichromosome	MCM4	8q11.2	2.963

	maintenance deficient 4 (<i>S. cerevisiae</i>)			
228468_at	microtubule associated serine/threonine kinase-like	MASTL	10p12.1	2.936
221978_at	major histocompatibility complex, class I, F	HLA-F	6p21.3	2.919
231855_at	KIAA1524	KIAA1524	3q13.13	2.912
204767_s_at	flap structure-specific endonuclease 1	FEN1	11q12	2.906
1559064_at	nucleoporin 153kDa	NUP153	6p22.3	2.892
201762_s_at	proteasome (prosome, macropain) activator subunit 2 (PA28 beta)	PSME2	14q11.2	2.886
214727_at	breast cancer 2, early onset	BRCA2	13q12.3	2.885
219863_at	hect domain and RLD 5	HERC5	4q22.1-q23	2.867
210868_s_at	ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast)	ELOVL6	4q25	2.856
205298_s_at	butyrophilin, subfamily 2, member A2	BTN2A2	6p22.1	2.847
201502_s_at	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	NFKBIA	14q13	2.845
208370_s_at	Down syndrome critical region gene 1	DSCR1	21q22.1-q22.2 21q22.12	2.836
219761_at	C-type lectin domain family 1, member A	CLEC1A	12p13.2	2.835
226936_at	chromosome 6 open reading frame 173	C6orf173	6q22.32	2.83
215299_x_at	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1	SULT1A1	16p12.1	2.822
205542_at	six transmembrane epithelial antigen of the prostate 1	STEAP1	7q21	2.815
225314_at	OCIA domain containing 2	OCIAD2	4p12	2.81
221685_s_at	hypothetical protein FLJ20364	FLJ20364	5q35.1	2.807
227481_at	CNKSR family member 3	CNKSR3	6q25.2	2.806
224832_at	dual specificity phosphatase 16	DUSP16	12p13	2.782
213134_x_at	BTG family, member 3	BTG3	21q21.1-q21.2	2.777
205548_s_at	BTG family, member 3	BTG3	21q21.1-q21.2	2.776
216237_s_at	MCM5 minichromosome	MCM5	22q13.1	2.772
202905_x_at	maintenance deficient 5, cell division cycle 46 (<i>S. cerevisiae</i>) Nijmegen breakage syndrome 1 (nibrin)	NBS1	8q21	2.77
208534_s_at	RAS p21 protein activator 4	RASA4	7q22-q31.1	2.762
220060_s_at	hypothetical protein FLJ20641	FLJ20641	12q23.3	2.755
223586_at	aryl hydrocarbon receptor nuclear translocator-like 2	ARNTL2	12p12.2-p11.2	2.752
216228_s_at	WD repeat and HMG-box DNA binding protein 1	WDHD1	14q22.2	2.744
204531_s_at	breast cancer 1, early onset	BRCA1	17q21	2.72
1553142_at	hypothetical protein FLJ38725	FLJ38725	13q14.11	2.707
206102_at	KIAA0186 gene product	KIAA0186	20p11.21	2.704

205566_at	abhydrolase domain containing 2	ABHD2	15q26.1	2.699
203615_x_at	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1	SULT1A1	16p12.1	2.691
218983_at	complement component 1, r subcomponent-like	C1RL	12p13.31	2.687
204023_at	replication factor C (activator 1) 4, 37kDa	RFC4	3q27	2.677
210580_x_at	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3	SULT1A3	16p11.2	2.667
1555819_s_at	hypothetical protein LOC201191	LOC201191	17q21.33	2.659
226003_at	kinesin family member 21A	KIF21A	12q12	2.649
218404_at	sorting nexin 10	SNX10	7p15.2	2.645
240456_at	Hypothetical protein FLJ11795	FLJ11795	5q11.2	2.643
219056_at	hypothetical protein FLJ11712	FLJ11712	13q14.3	2.636
211588_s_at	promyelocytic leukemia	PML	15q22	2.626
202533_s_at	dihydrofolate reductase	DHFR	5q11.2-q13.2	2.619
238469_at	Chromosome 6 open reading frame 155	C6orf155	6q13	2.606
214804_at	FSH primary response (LRPR1 homolog, rat) 1	FSHPRH1	Xq22.1	2.604
222748_s_at	thioredoxin-like 4B	TXNL4B	16q22.2	2.601
209785_s_at	phospholipase A2, group IVC (cytosolic, calcium-independent)	PLA2G4C	19q13.3	2.592
219364_at	likely ortholog of mouse D11lgp2	LGP2	17q21.2	2.585
229306_at	Nuclear localized factor 2	NLF2	15q22.2	2.581
213293_s_at	tripartite motif-containing 22	TRIM22	11p15	2.567
1554080_at	RCD1 required for cell differentiation1 homolog (S. pombe)	RQCD1	2q35	2.525
225570_at	solute carrier family 41, member 1	SLC41A1	1q32.1	2.521
1554271_a_at	hypothetical gene supported by BC007071	dJ383J4.3	1q25.1	2.511
207843_x_at	cytochrome b-5	CYB5	18q23	2.506
210985_s_at	nuclear antigen Sp100	SP100	2q37.1	2.503
211075_s_at	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	CD47	3q13.1-q13.2	2.501
202555_s_at	myosin, light polypeptide kinase	MYLK	3q21	2.49
222037_at	MCM4 minichromosome maintenance deficient 4 (S. cerevisiae)	MCM4	8q11.2	2.482
204601_at	Nedd4 binding protein 1	N4BP1	16q12.1	2.477
208829_at	TAP binding protein (tapasin)	TAPBP	6p21.3	2.476
223515_s_at	coenzyme Q3 homolog, methyltransferase (yeast)	COQ3	6q16.3	2.466
1555826_at	Baculoviral IAP repeat-containing 5 (survivin)	BIRC5	17q25	2.465
224823_at	myosin, light polypeptide kinase	MYLK	3q21	2.449
222646_s_at	ERO1-like (S. cerevisiae)	ERO1L	14q22.1	2.446
235088_at	hypothetical protein LOC201725	LOC201725	4q32.1	2.439
219182_at	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 5	CHST5	16q22.3	2.434

1555870_at	hypothetical protein FLJ32096	FLJ32096	1p36.31	2.422
202907_s_at	Nijmegen breakage syndrome 1 (nibrin)	NBS1	8q21	2.418
227350_at	CDNA FLJ11381 fis, clone HEMBA1000501			2.418
218824_at	hypothetical protein FLJ10781	FLJ10781	19q13.32	2.414
201202_at	proliferating cell nuclear antigen	PCNA	20pter-p12	2.413
223417_at	RAD18 homolog (<i>S. cerevisiae</i>)	RAD18	3p25-p24	2.411
202672_s_at	activating transcription factor 3	ATF3	1q32.3	2.408
239302_s_at				2.406
1563088_a_at	hypothetical protein LOC284837	LOC284837	21q22.3	2.405
213186_at	zinc finger DAZ interacting protein 3	DZIP3	3q13.13	2.404
208315_x_at	TNF receptor-associated factor 3	TRAF3	14q32.32	2.402
204766_s_at	nudix (nucleoside diphosphate linked moiety X)-type motif 1	NUDT1	7p22	2.401
206197_at	non-metastatic cells 5, protein expressed in (nucleoside-diphosphate kinase)	NME5	5q31	2.397
1552921_a_at	fidgetin-like 1	FIGNL1	7p12.2	2.396
76897_s_at	KIAA0674	KIAA0674	9q32	2.396
224701_at	poly (ADP-ribose) polymerase family, member 14	PARP14	3q21.1	2.395
206673_at	putative G protein coupled receptor	GPR	15q14-q15.1	2.393
202748_at	guanylate binding protein 2, interferon-inducible	GBP2	1p22.2	2.392
235126_at	LQK1 hypothetical protein short isoform (LQK1) mRNA, complete cds, alternatively spliced			2.391
210115_at	ribosomal protein L39-like	RPL39L	3q27	2.379
203046_s_at	timeless homolog (<i>Drosophila</i>)	TIMELESS	12q12-q13	2.376
229671_s_at	Chromosome 21 open reading frame 45	C21orf45	21q22.11	2.37
227259_at	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	CD47	3q13.1-q13.2	2.357
1552584_at	interleukin 12 receptor, beta 1	IL12RB1	19p13.1	2.355
238419_at	pleckstrin homology-like domain, family B, member 2	PHLDB2	3q13.2	2.35
227021_at	amine oxidase (flavin containing) domain 1	AOF1	6p22.3	2.339
238844_s_at	nephronophthisis 1 (juvenile)	NPHP1	2q13	2.33
205932_s_at	msh homeo box homolog 1 (<i>Drosophila</i>)	MSX1	4p16.3-p16.1	2.325
209366_x_at	cytochrome b-5	CYB5	18q23	2.32
232322_x_at	START domain containing 10	STARD10	11q13	2.314
39817_s_at	chromosome 6 open reading frame 108	C6orf108	6p21.1	2.313
242157_at				2.31
204695_at	cell division cycle 25A	CDC25A	3p21	2.302
212621_at	KIAA0286 protein	KIAA0286	12q13.3	2.301
204441_s_at	polymerase (DNA directed), alpha 2 (70kD subunit)	POLA2	11q13.1	2.3

227846_at	putative G protein coupled receptor	GPR	15q14-q15.1	2.295
235707_at	hypothetical protein LOC221710	LOC221710	6p24.1	2.289
213372_at	progesterin and adipoQ receptor family member III	PAQR3	4q21.21	2.288
215726_s_at	cytochrome b-5	CYB5	18q23	2.286
209239_at	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 (p105)	NFKB1	4q24	2.281
204728_s_at	WD repeat and HMG-box DNA binding protein 1	WDHD1	14q22.2	2.278
221765_at				2.275
229972_at				2.27
223520_s_at	kinesin family member 13A	KIF13A	6p23	2.263
213857_s_at	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	CD47	3q13.1-q13.2	2.246
217478_s_at	major histocompatibility complex, class II, DM alpha	HLA-DMA	6p21.3	2.246
241360_at	similar to hypothetical protein	LOC387816	11q24.2	2.246
228946_at	PDZ domain containing 6	PDZK6	4q28.1	2.23
238729_x_at	Salvador homolog 1 (Drosophila)	SAV1	14q13-q23	2.217
215629_s_at	deleted in lymphocytic leukemia, 2	DLEU2	13q14.3	2.209
226329_s_at	hypothetical protein BC018453	LOC129531	2q11.2	2.209
224967_at	UDP-glucose ceramide glucosyltransferase	UGCG	9q31	2.209
204256_at	ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast)	ELOVL6	4q25	2.201
228050_at	Src-associated protein SAW	FLJ12787	5q13.2	2.198
219544_at	FLJ22624 protein	FLJ22624	13q22.1	2.189
201489_at	peptidylprolyl isomerase F (cyclophilin F)	PPIF	10q22-q23	2.183
218543_s_at	zinc finger CCCH type domain containing 1	ZC3HD C1	7q34	2.176
223172_s_at	mitochondrial protein 18 kDa	MTP18	22q	2.171
232746_at	Chemokine orphan receptor 1	CMKOR1	2q37.3	2.169
205071_x_at	X-ray repair complementing defective repair in Chinese hamster cells 4	XRCC4	5q13-q14	2.168
201663_s_at	SMC4 structural maintenance of chromosomes 4-like 1 (yeast)	SMC4L1	3q26.1	2.166
201930_at	MCM6 minichromosome maintenance deficient 6 (MIS5 homolog, S. pombe) (S. cerevisiae)	MCM6	2q21	2.16
218284_at	SMAD, mothers against DPP homolog 3 (Drosophila)	SMAD3	15q22.33	2.157
209507_at	replication protein A3, 14kDa	RPA3	7p22	2.153
1558783_at	Wilms tumor 1 associated protein	WTAP	6q25-q27	2.146
215215_s_at	exonuclease NEF-sp	LOC81691	16p12.3	2.145

1553810_a_at	KIAA1524	KIAA1524	3q13.13	2.142
207122_x_at	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2	SULT1A2	16p12.1	2.14
206178_at	phospholipase A2, group V	PLA2G5	1p36-p34	2.133
209640_at	promyelocytic leukemia	PML	15q22	2.133
214426_x_at	chromatin assembly factor 1, subunit A (p150)	CHAF1A	19p13.3	2.128
203270_at	deoxythymidylate kinase (thymidylate kinase)	DTYMK	2q37.3	2.115
236506_at	Ninein (GSK3B interacting protein)	NIN	14q22.1	2.113
235387_at	Hypothetical protein FLJ13273	FLJ13273	4q24	2.111
207590_s_at	FSH primary response (LRPR1 homolog, rat) 1	FSHPRH1	Xq22.1	2.111
231963_at	Homo sapiens, clone IMAGE:3869276, mRNA			2.107
207565_s_at	major histocompatibility complex, class I-related	MR1	1q25.3	2.106
211385_x_at	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2	SULT1A2	16p12.1	2.106
1552370_at	hypothetical protein LOC132321	LOC132321	4q28.2	2.102
205296_at	retinoblastoma-like 1 (p107)	RBL1	20q11.2	2.102
241379_at	chromosome 2 open reading frame 13	C2orf13	2p13.3	2.101
208103_s_at	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E	ANP32E	1q21.2	2.1
218776_s_at	hypothetical protein FLJ23375	FLJ23375	15q15.2	2.1
211115_x_at	survival of motor neuron protein interacting protein 1	SIP1	14q13	2.099
236982_at	Integrin, beta 2 (antigen CD18 (p95), lymphocyte function-associated antigen 1; macrophage antigen 1 (mac-1) beta subunit)	ITGB2	21q22.3	2.093
224200_s_at	RAD18 homolog (<i>S. cerevisiae</i>)	RAD18	3p25-p24	2.086
228144_at	zinc finger protein 300	ZNF300	5q33.1	2.086
222803_at	phosphoribosyl transferase domain containing 1	PRTFDC1	10p12.1	2.084
219202_at	rhomboid, veinlet-like 6 (<i>Drosophila</i>)	RHBDL6	17q25.1	2.079
209980_s_at	serine hydroxymethyltransferase 1 (soluble)	SHMT1	17p11.2	2.077
212285_s_at	agrin	AGRN	1p36.33	2.068
216952_s_at	lamin B2	LMNB2	19p13.3	2.065
224320_s_at	MCM8 minichromosome maintenance deficient 8 (<i>S. cerevisiae</i>)	MCM8	20p12.3	2.061
221571_at	TNF receptor-associated factor 3	TRAF3	14q32.32	2.059
1554438_at	KIAA1217	KIAA1217	10p12.31	2.057
204238_s_at	chromosome 6 open reading frame 108	C6orf108	6p21.1	2.056
215493_x_at	butyrophilin, subfamily 2, member A1	BTN2A1	6p22.1	2.051
233999_s_at	hypothetical protein FLJ12571	FLJ12571	7q34	2.048

1554730_at	multiple C2-domains with two transmembrane regions 1	MCTP1	5q15	2.048
218557_at	nitrilase family, member 2	NIT2	3q12.2	2.048
211114_x_at	survival of motor neuron protein interacting protein 1	SIP1	14q13	2.048
206613_s_at	TATA box binding protein (TBP)-associated factor, RNA polymerase I, A, 48kDa	TAF1A	1q42	2.048
215773_x_at	poly (ADP-ribose) polymerase family, member 2	PARP2	14q11.2-q12	2.047
217419_x_at	agrin	AGRN	1p36.33	2.04
202613_at	CTP synthase	CTPS	1p34.1	2.04
236487_at	Hypothetical protein FLJ30655	FLJ30655	4q28.2	2.039
211732_x_at	histamine N-methyltransferase	HNMT	2q22.1	2.038
223738_s_at	phosphoglucosyltransferase 2	PGM2	4p14	2.037
221903_s_at	cylindromatosis (turban tumor syndrome)	CYLD	16q12-q13 16q12.1	2.034
218992_at	chromosome 9 open reading frame 46	C9orf46	9p24.1	2.032
211256_x_at	butyrophilin, subfamily 2, member A1	BTN2A1	6p22.1	2.021
218073_s_at	hypothetical protein FLJ10407	FLJ10407	1p32.3	2.016
219294_at	chromosome 6 open reading frame 139	C6orf139	6p12.3	2.015
203976_s_at	chromatin assembly factor 1, subunit A (p150)	CHAF1A	19p13.3	2.014
32069_at	Nedd4 binding protein 1	N4BP1	16q12.1	2.014
225017_at	coiled-coil domain containing 14	CCDC14	3q21.1	2.012
226118_at	hypothetical protein MGC11266	MGC11266	2p23.3	2.008
213454_at	apoptosis-inducing, TAF9-like domain 1	APITD1		2.006
1555279_at	armadillo repeat containing 8	ARMC8	3q22.3	2.004
208107_s_at	exonuclease NEF-sp	LOC81691	16p12.3	2.004
218170_at	isochorismatase domain containing 1	ISOC1	5q22.1-q33.3	2.003
205063_at	survival of motor neuron protein interacting protein 1	SIP1	14q13	2.003
230741_at	Full length insert cDNA clone YX74D05			2.002
203882_at	interferon-stimulated transcription factor 3, gamma 48kDa	ISGF3G	14q11.2	2.001
244133_at	Ubiquitin specific protease 49	MGC20741	6p21	2.000

Probe set ID	Gene title	Gene symbol	Chromosomal location	Fold down-regulation
237741_at	Hypothetical protein FLJ10618	FLJ10618	3q23	2.000
203059_s_at	3'-phosphoadenosine 5'-phosphosulfate synthase 2	PAPSS2	10q23-q24	2.004
204657_s_at	SHB (Src homology 2 domain	SHB	9p12-p11	2.004

	containing) adaptor protein B			
209502_s_at	BAI1-associated protein 2	BAIAP2	17q25	2.008
203514_at	mitogen-activated protein kinase kinase kinase 3	MAP3K3	17q23.3	2.020
229011_at	Transcribed locus, weakly similar to XP_495846.1 weakly similar to zinc finger protein 195 [Homo sapiens]			2.020
230821_at	Zinc finger protein 148 (pHZ-52)	ZNF148	3q21	2.024
212462_at				2.024
236106_at	Hypothetical protein LOC339210	LOC339210	17q23.2	2.028
235684_s_at	sestrin 3	SESN3	11q21	2.028
235526_at	SRY (sex determining region Y)-box 6	SOX6	11p15.3	2.028
212573_at	KIAA0830 protein	KIAA0830	11q21	2.033
208663_s_at	tetratricopeptide repeat domain 3	TTC3	21q22.2	2.033
203633_at				2.033
225435_at	Signal sequence receptor, alpha (translocon-associated protein alpha)	SSR1	6p24.3	2.045
209877_at	synuclein, gamma (breast cancer- specific protein 1)	SNCG	10q23.2- q23.3	2.053
1569380_a_at	Homocysteine-inducible, endoplasmic reticulum stress- inducible, ubiquitin-like domain member 1	HERPUD1	16q12.2- q13	2.058
209234_at	kinesin family member 1B	KIF1B	1p36.2	2.058
235167_at	KIAA0220-like protein	LOC23117	16p12.2	2.058
227264_at	TNF receptor-associated factor 6	TRAF6	11p12	2.058
223283_s_at	serologically defined colon cancer antigen 33	SDCCAG33	18q22.3	2.062
223094_s_at	ankylosis, progressive homolog (mouse)	ANKH	5p15.1	2.066
208661_s_at	tetratricopeptide repeat domain 3	TTC3	21q22.2	2.066
223282_at	serologically defined colon cancer antigen 33	SDCCAG33	18q22.3	2.070
230653_at	Transcribed locus			2.070
214717_at	hypothetical protein DKFZp434H1419	DKFZp434 H1419	2q35	2.075
219058_x_at	lipocalin 7	LCN7	1p35.2	2.075
205594_at	zinc finger protein 652	ZNF652	17q21.32	2.075
227417_at	hypothetical protein FLJ20605	FLJ20605	1q41	2.079
224835_at	hypothetical protein KIAA1434	KIAA1434	20p12.3	2.079
205503_at	protein tyrosine phosphatase, non- receptor type 14	PTPN14	1q32.2	2.079
1558605_at	Homo sapiens, clone IMAGE:4819775, mRNA			2.079
227529_s_at	A kinase (PRKA) anchor protein (gravin) 12	AKAP12	6q24-q25	2.088
223093_at	ankylosis, progressive homolog (mouse)	ANKH	5p15.1	2.088
1555950_a_at	decay accelerating factor for complement (CD55, Cromer blood group system)	DAF	1q32	2.088
213895_at	epithelial membrane protein 1	EMP1	12p12.3	2.088
218418_s_at	ankyrin repeat domain 25	ANKRD25	19p13.2	2.092
238884_at	Catenin (cadherin-associated protein), delta 1	CTNND1	11q11	2.092
208050_s_at	caspase 2, apoptosis-related cysteine protease (neural precursor cell expressed, developmentally down- regulated 2)	CASP2	7q34-q35	2.101
1559725_at	Hypothetical gene supported by AL832797		11q13.4	2.101

212638_s_at	WW domain containing E3 ubiquitin protein ligase 1	WWP1	8q21	2.105
1555926_a_at	CDNA FLJ30680 fis, clone FCBBF2000123			2.110
238694_at	CDNA FLJ33029 fis, clone THYMU2000162			2.110
212098_at	hypothetical protein LOC151162	LOC151162	2q21.3	2.114
223712_at	6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2	PCBD2	5q31.1	2.114
233202_at	contactin associated protein-like 3	CNTNAP3	9p13.1	2.119
1564796_at	epithelial membrane protein 1	EMP1	12p12.3	2.128
240172_at	PTX1 protein	PTX1	12p11.22	2.137
202132_at	WW domain containing transcription regulator 1	WWTR1	3q23-q24	2.137
206028_s_at	c-mer proto-oncogene tyrosine kinase	MERTK	2q14.1	2.151
203853_s_at	GRB2-associated binding protein 2	GAB2	11q14.1	2.179
238467_at	Transcribed locus			2.179
209991_x_at	G protein-coupled receptor 51	GPR51	9q22.1-q22.3	2.183
212608_s_at	AF034176 Human mRNA (Tripodis and Ragoussis) Homo sapiens cDNA clone ntcon5 contig, mRNA sequence			2.183
239035_at	5,10-methylenetetrahydrofolate reductase (NADPH)	MTHFR	1p36.3	2.188
212452_x_at	MYST histone acetyltransferase (monocytic leukemia) 4	MYST4	10q22.2	2.188
206127_at	ELK3, ETS-domain protein (SRF accessory protein 2)	ELK3	12q23	2.193
226103_at	nexilin (F actin binding protein)	NEXN	1p31.1	2.193
208003_s_at	nuclear factor of activated T-cells 5, tonicity-responsive	NFAT5	16q22.1	2.193
204288_s_at	Arg/Abl-interacting protein ArgBP2	ARGBP2	4q35.1	2.208
1554010_at	N-deacetylase/N-sulfotransferase (heparan glucosaminy) 1	NDST1	5q33.1	2.208
238824_at	CDNA FLJ30581 fis, clone BRAWH2007069			2.217
1557505_a_at	Signal recognition particle 54kDa	SRP54	14q13.2	2.227
206170_at	adrenergic, beta-2-, receptor, surface	ADRB2	5q31-q32	2.237
204072_s_at	hypothetical protein CG003	13CDNA73	13q13.1	2.247
200879_s_at	endothelial PAS domain protein 1	EPAS1	2p21-p16	2.247
227501_at	WD repeat and SOCS box-containing 1	WSB1	17q11.1	2.252
230330_at	Protein phosphatase 1D magnesium-dependent, delta isoform	PPM1D	17q23.2	2.257
213022_s_at				2.257
237062_at	Ring finger protein 10	RNF10	12q24.31	2.268
235693_at	Transcribed locus			2.268
210026_s_at	caspase recruitment domain family, member 10	CARD10	22q13.1	2.283
239942_at	Transcribed locus			2.283
213605_s_at	Hypothetical protein MGC22265	MGC22265	5p14.3	2.288
204566_at	protein phosphatase 1D magnesium-dependent, delta isoform	PPM1D	17q23.2	2.294
212831_at	EGF-like-domain, multiple 5	EGFL5	9q32-q33.3	2.299
203157_s_at	glutaminase	GLS	2q32-q34	2.309
228456_s_at	hypothetical protein LOC149832	LOC149832	20p13	2.309
210687_at	carnitine palmitoyltransferase 1A (liver)	CPT1A	11q13.1-q13.2	2.315

1552309_a_at	nexilin (F actin binding protein)	NEXN	1p31.1	2.315
1552316_a_at	GTPase, IMAP family member 1	GIMAP1	7q36.1	2.320
214496_x_at	MYST histone acetyltransferase (monocytic leukemia) 4	MYST4	10q22.2	2.320
225197_at	PRO0149 protein	PRO0149	16p13.2	2.331
244774_at	Phosphatase and actin regulator 2	PHACTR2	6q24.2	2.336
229803_s_at	AF034176 Human mRNA (Tripodis and Ragoussis) Homo sapiens cDNA clone ntcon5 contig, mRNA sequence			2.336
218711_s_at	serum deprivation response (phosphatidylserine binding protein)	SDPR	2q32-q33	2.342
1555858_at	CDNA FLJ36321 fis, clone THYMU2005482			2.347
203159_at	glutaminase	GLS	2q32-q34	2.353
215248_at	growth factor receptor-bound protein 10	GRB10	7p12-p11.2	2.358
219957_at				2.364
203634_s_at	carnitine palmitoyltransferase 1A (liver)	CPT1A	11q13.1-q13.2	2.370
235060_at	KIAA0220-like protein	LOC23117	16p12.2	2.370
221747_at	Tensin	TNS	2q35-q36	2.370
205088_at	chromosome X open reading frame 6	CXorf6	Xq28	2.387
226365_at	CDNA FLJ40901 fis, clone UTERU2003704			2.404
227195_at	zinc finger protein 503	ZNF503	10q22.2	2.427
225532_at	Cdk5 and Abl enzyme substrate 1	CABLES1	18q11.2	2.445
236401_at				2.445
209427_at	smoothelin	SMTN	22q12.2	2.457
229958_at	Ceroid-lipofuscinosis, neuronal 8 (epilepsy, progressive with mental retardation)	CLN8	8p23	2.481
237459_at	PCTAIRE protein kinase 2	PCK2	12q23.1	2.488
226069_at	prickle-like 1 (Drosophila)	PRICKLE1	12q12	2.488
224559_at	metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA)	MALAT1	11q13.1	2.494
209006_s_at	NPD014 protein	NPD014	1p36.13-p35.1	2.494
1552318_at				2.494
203555_at	protein tyrosine phosphatase, non-receptor type 18 (brain-derived)	PTPN18	2q21.1	2.500
230053_at	Transcribed locus			2.519
241824_at	FOS-like antigen 2	FOSL2	2p23.3	2.532
207390_s_at	smoothelin	SMTN	22q12.2	2.532
226712_at	Signal sequence receptor, alpha (translocon-associated protein alpha)	SSR1	6p24.3	2.558
210688_s_at	carnitine palmitoyltransferase 1A (liver)	CPT1A	11q13.1-q13.2	2.591
213649_at	splicing factor, arginine/serine-rich 7, 35kDa	SFRS7	2p22.1	2.611
209468_at	low density lipoprotein receptor-related protein 5	LRP5	11q13.4	2.632
223315_at	netrin 4	NTN4	12q22-q23	2.632
221748_s_at	tensin	TNS	2q35-q36	2.632
211874_s_at	MYST histone acetyltransferase (monocytic leukemia) 4	MYST4	10q22.2	2.646
235761_at	CDNA FLJ36553 fis, clone TRACH2008478			2.653
238457_at	CDNA FLJ33029 fis, clone THYMU2000162			2.681
211466_at	nuclear factor I/B	NFIB	9p24.1	2.703
243115_at				2.703

243634_at	Hypothetical protein LOC201895	LOC201895	4p14	2.717
215169_at	solute carrier family 35, member E2	SLC35E2	1p36.33	2.725
235199_at	Transcribed locus, weakly similar to XP_513408.1 similar to origin recognition complex, subunit 1; origin recognition complex, subunit 1, <i>S. cerevisiae</i> , homolog-like; origin recognition complex 1; replication control protein 1; origin recognition complex, subunit 1 (yeast homolog)-like ... [Pan troglodytes]			2.725
212736_at	chromosome 16 open reading frame 45	C16orf45	16p13.11	2.747
243546_at	Sestrin 3	SESN3	11q21	2.762
217077_s_at	G protein-coupled receptor 51	GPR51	9q22.1-q22.3	2.786
242899_at	Sestrin 3	SESN3	11q21	2.801
214920_at	hypothetical protein LOC221981	LOC221981	7p21.3	2.817
215092_s_at	nuclear factor of activated T-cells 5, tonicity-responsive	NFAT5	16q22.1	2.817
224397_s_at	ARG99 protein	ARG99	12p11.22	2.833
238989_at	C1GALT1-specific chaperone 1	C1GALT1C1	Xq24	2.890
200952_s_at	cyclin D2	CCND2	12p13	2.915
219717_at	hypothetical protein FLJ20280	FLJ20280	4p15.32	2.933
226035_at	ubiquitin specific protease 31	USP31	16p12.1	2.941
203717_at	dipeptidylpeptidase 4 (CD26, adenosine deaminase complexing protein 2)	DPP4	2q24.3	3.067
212570_at	KIAA0830 protein	KIAA0830	11q21	3.077
230708_at	Prickle-like 1 (<i>Drosophila</i>)	PRICKLE1	12q12	3.077
1556306_at	Chromosome 7 unknown mRNA			3.096
204623_at	trefoil factor 3 (intestinal)	TFF3	21q22.3	3.185
211679_x_at	G protein-coupled receptor 51	GPR51	9q22.1-q22.3	3.247
243584_at	Transcribed locus, weakly similar to NP_060190.1 signal-transducing adaptor protein-2 [<i>Homo sapiens</i>]			3.247
1558117_s_at	ubiquitin specific protease 31	USP31	16p12.1	3.268
223940_x_at	metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA)	MALAT1	11q13.1	3.289
223796_at	contactin associated protein-like 3	CNTNAP3	9p13.1	3.322
227510_x_at	PRO1073 protein	PRO1073	11cen-q12.3	3.356
205698_s_at	mitogen-activated protein kinase kinase 6	MAP2K6	17q24.3	3.448
236583_at	Transcribed locus			3.448
226065_at	prickle-like 1 (<i>Drosophila</i>)	PRICKLE1	12q12	3.521
227058_at	hypothetical protein FLJ14834	FLJ14834	13q12.3	3.650
230008_at	hypothetical protein LOC221981	LOC221981	7p21.3	3.774
224568_x_at	metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA)	MALAT1	11q13.1	3.817
235763_at	hypothetical protein MGC34032	MGC34032	1p31.1	3.968
213488_at	sushi, nidogen and EGF-like domains 1	SNED1	2q37.3	4.032
244065_at	similar to cell recognition molecule CASPR3	LOC389734	9p13.1	4.367
236361_at	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 2	GALNTL2	3p25.1	4.608

239262_at	CDNA FLJ26242 fis, clone DMC00770			4.950
225123_at	Sestrin 3	SESN3	11q21	5.155
222862_s_at	adenylate kinase 5	AK5	1p31	5.263
219308_s_at	adenylate kinase 5	AK5	1p31	5.882
239461_at	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 2	GALNTL2	3p25.1	5.952
206093_x_at	tenascin XB	TNXB	6p21.3	6.329
209990_s_at	G protein-coupled receptor 51	GPR51	9q22.1-q22.3	6.757
235683_at	sestrin 3	SESN3	11q21	6.757
235150_at	Sestrin 3	SESN3	11q21	7.463
205258_at	inhibin, beta B (activin AB beta polypeptide)	INHBB	2cen-q13	8.475
219452_at	dipeptidase 2	DPEP2	16q22.1	8.696
236383_at	Transcribed locus			9.346
219059_s_at	extracellular link domain containing 1	XLKD1	11p15	12.610
220037_s_at	extracellular link domain containing 1	XLKD1	11p15	12.760
205392_s_at	chemokine (C-C motif) ligand 14	CCL14	17q11.2	45.250

Table S2. Affymetrix Mouse 430 GeneChip array data showing transcripts in MDLECs up- or down-regulated by a factor of at least twofold ($P < 0.1$) after stimulation with TNF- α .

Probe set ID	Gene title	Gene symbol	Fold up-regulation
1419135_at	lymphotoxin B	ltb	40.82
1417256_at	matrix metalloproteinase 13	Mmp13	35.76
1450174_at	protein tyrosine phosphatase, receptor type, T	Ptprt	29.50
1419534_at	oxidized low density lipoprotein (lectin-like) receptor 1	Olr1	26.60
1422029_at	chemokine (C-C motif) ligand 20	CCL20	22.92
1421408_at	immunoglobulin superfamily, member 6	Igsf6	22.22
1427381_at	immune-responsive gene 1	Irg1	21.78
1450193_at	hyperpolarization-activated, cyclic nucleotide-gated K ⁺ 1	Hcn1	21.71
1427665_a_at	transcription factor NF	Nfic	21.38
1436482_a_at	syndecan 3	Sdc3	20.85
1435012_x_at	elastase 3B, pancreatic	Ela3b	20.40
1430598_at	cAMP responsive element modulator	Crem	20.00
1416246_a_at	Similar to coronin, actin binding protein 1A,	Coro1A	19.07
1450829_at	tumor necrosis factor, alpha-induced protein 3	Tnfaip3	18.79
1421228_at	chemokine (C-C motif) ligand 7	CCL7	18.57
1450826_a_at	serum amyloid A 3	Saa3	17.89
1419697_at	chemokine (C-X-C motif) ligand 11	CXCL11	16.80
1415803_at	chemokine (C-X3-C motif) ligand 1	CX3CL1	16.16
1449473_s_at	tumor necrosis factor receptor superfamily, member 5	Tnfrsf5	16.08
1420591_at	G protein-coupled receptor 84	Gpr84	15.84
1418666_at	pentaxin related gene	Ptx3	14.12
1450093_s_at	leukemialymphoma related factor	Lrf	13.20
1420450_at	matrix metalloproteinase 10	Mmp10	11.95
1422562_at	Ras-related associated with diabetes	Rrad	11.66
1421274_at	Src homology domain 2 containing protein		11.50
1432829_at	enolase 1	Eno 1	11.44
1418945_at	matrix metalloproteinase 3	Mmp3	11.27
1419604_at	umor stroma and activated macrophage protein	DLM-1	10.47
1418471_at	placental growth factor	Pgf	10.41
1449227_at	cholesterol 25-hydroxylase	Ch25h	9.93
1420331_at	C-type lectin, superfamily member 9	Clecsf9	9.78
1417314_at	histocompatibility 2, complement component factor B	H2-Bf	9.71
1448961_at	phospholipid scramblase 2	Plscr2	9.24
1420697_at	cAMP inducible gene 1	Ci1	9.15
1426175_a_at	mast cell protease 7	mMCP-7	8.81
1422914_at	trans-acting transcription factor 5	Sp5	8.53
1417130_s_at	angiopoietin-like 4	Angptl4	8.38
1427683_at	early growth response 2	Egr2	8.24
1417813_at	nhibitor of kappaB kinase epsilon	Ikbke	8.17
1424067_at	intercellular adhesion molecule 1	ICAM1	8.00
1422937_at	frizzled homolog 5 (Drosophila)	Fzd5	7.77
1422262_a_at	LIM homeobox protein 6	Lhx6	7.28
1426037_a_at	retinally abundant regulator of G-protein signaling	mRGS-r	7.16
1434774_at	Moderately similar to I49469 epidermal growth factor receptor-related protein - mouse		7.10

1451314_a_at	vascular adhesion molecule 1	VCAM1	7.02
1419417_at	vascular endothelial growth factor C	Vegfc	6.72
1451452_a_at	RGS-r	Rgs16	6.55
1429527_a_at	phospholipid scramblase 1	Plscr1	6.46
1449984_at	chemokine (C-X-C motif) ligand 2	CXCL2	6.34
1448162_at	vascular adhesion molecule 1	VCAM1	6.28
1423104_at	insulin receptor substrate 1	Irs1	6.13
1421994_a_at	HS1 binding protein 3	Hs1bp3-pending	6.06
1425837_a_at	Nocturnin	Nocturnin	6.00
1421712_at	selectin, endothelial cell	Sele	5.98
1449195_s_at	C-X-C chemokine ligand 16	CXCL16	5.74
1418930_at	chemokine (C-X-C motif) ligand 10	CXCL10	5.59
1418126_at	chemokine (C-C motif) ligand 5	CCL5	5.37
1448710_at	CXCR-4	CXCR4	4.55
1420380_at	chemokine (C-C motif) ligand 2	CCL2	4.49
1435906_x_at	guanylate nucleotide binding protein 2	GBP2	4.10
1420549_at	guanylate nucleotide binding protein 1	GBP1	3.69
1425253_a_at	mucosal vascular addressin cell adhesion molecule 1	Madcam1	3.20
1416273_at	tumor necrosis factor, alpha-induced protein 2	Tnfaip2	2.91
1417936_at	chemokine (C-C motif) ligand 9	CCL9	2.89
1418099_at	tumor necrosis factor I receptor	TNFR1	2.88
1415989_at	vascular adhesion molecule 1	VCAM1	2.75
1425811_a_at	cysteine rich protein	Csrp	2.52
1460642_at	nf receptor associated factor 4	Traf4	2.51
1418991_at	BCL2-antagonistkiller 1	Bak1	2.50
1460629_at	tripartite motif protein 16	Trim16	2.50
1415877_at	dihydropyrimidinase-like 3	Dpysl3	2.49
1423721_at	tropomyosin 1	Tmp1	2.49
1419168_at	mitogen-activated protein kinase 6	Mapk6	2.48
1449368_at	decorin	Dcn	2.48
1456333_a_at	Rho GTPase activating protein 6	Arhgap6	2.47
1420904_at	interleukin 17 receptor	Il17R	2.46
1425154_a_at	colony stimulating factor 1 (macrophage)	Csf1	2.44
1418349_at	heparin binding epidermal growth factor-like growth factor (Hegfl)	Hegfl	2.43
1439364_a_at	matrix metalloproteinase 2	Mmp2	2.38
1433782_at	Highly similar to CLDC_HUMAN CLAUDIN-12		2.32
1418587_at	nf receptor associated factor 3	Traf3	2.26
1448898_at	chemokine (C-C motif) ligand 9	CCL9	2.24
1433781_a_at	Highly similar to CLDC_HUMAN CLAUDIN-12		2.18
1416136_at	matrix metalloproteinase 2	Mmp2	2.16

Probe set id	Gene Title	Gene Symbol	Fold down-regulation
1416676_at	kininogen	Kng	42.83
1448873_at	occludin	Ocln	42.35
1449563_at	contactin	Cntn1	42.20
1419188_s_at	chemokine (C-C motif) ligand 27	CCL27	24.69
1421855_at	fibrinogen-like protein 2	Fgl2	24.58
1423294_at	mesoderm specific transcript	Mest	22.53
1421441_at	angiopoietin	Agpt	19.88

1451440_at	c-type lectin protein MT75	Chodl	16.56
1420929_at	catenin alpha-like 1	Catnal1	10.75
1415871_at	transforming growth factor, beta induced	tgfbi	10.51
1416357_a_at	melanoma cell adhesion molecule	Mcam	10.14
1420930_s_at	catenin alpha-like 1	Catnal1	10.12
1416194_at	cytochrome P450, subfamily IV B, polypeptide 1	Cyp4b1	9.83
1448752_at	carbonic anhydrase 2	Car2	9.47
1417290_at	leucine-rich alpha-2-glycoprotein	Lrg-pending	8.86
1423594_a_at	endothelin receptor type B	Ednrb	8.05
1422561_at	a disintegrin-like and metalloprotease(reprolysin type) with thrombospondin type 1 motif, 5	adamts5	7.52
1448152_at	insulin-like growth factor 2	Igf2	7.21
1416203_at	Aquaporin 1	Aqp1	7.13
1426314_at	endothelin receptor type B	Ednrb	6.79
1451838_a_at	Tac2-N	Tac2-N	6.68
1450658_at	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 5	adamts5	6.39
1450658_at	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 5	adamts5	6.39
1418058_at	ETL1	ETL1	6.15
1418322_at	cAMP responsive element modulator	Crem	5.95
1437401_at	insulin-like growth factor 1	Igf1	5.79
1456250_x_at	transforming growth factor, beta induced	tgfbi	5.18
1449037_at	cAMP responsive element modulator	Crem	4.73
1417839_at	Claudin 5	Cldn5	3.60
1434962_x_at	chemokine (C-C motif) ligand 27	CCL27	3.36
1417678_at	matrix metalloproteinase 24	Mmp24	3.25
1450104_at	a disintegrin and metalloprotease domain 10	adam10	2.82
1417266_at	chemokine (C-C motif) ligand 6	CCL6	2.11
1450105_at	a disintegrin and metalloprotease domain 10	adam10	2.09
1418486_at	vanin 1	Vnn1	1.66
1429379_at	extra cellular link domain-containing 1	LYVE-1	1.56