Online data supplement

Table 1: Gene bank entry, symbol, name and function

GenBank entry	Gene symbol	Gene name	Gene Ontology function
Cytokines and chemokines			
NM_031168.1	IL-6	Interleukin 6	Immune response / Apoptosis / Chemotaxis/ Acute phase response
NM_021283.1	IL-4	Interleukin 4	Immune response / Apoptosis
NM_008361	IL-1b	Interleukin 1beta	Immune response / Inflammatory response / Apoptosis
NM_010548.1	IL-10	Interleukin 10	Immune response / Inflammatory response / Apoptosis
NM_008176.1	Cxcl1 / KC	Chemokine (C-X-C motif) ligand 1	Immune response / Inflammatory response / Chemotaxis
NM_013693.1	TNF-α	Tumor necrosis factor	Immune response / Apoptosis / Defense response to bacterium
NM_008337.1	IFN-γ	Interferon gamma	Immune response / Apoptosis / Defense response to bacterium
NM_011337.1	Ccl3 / Mip1a	Chemokine (C-C motif) ligand 3	Immune response / Inflammatory response / Chemotaxis
Toll-like receptor			
NM_011905.2	TLR2	Toll-like receptor 2	Innate immunity / Inflammatory response / Defense response to bacterium
NM_021297.2	TLR4	Toll-like receptor 4	Innate immunity / Inflammatory response / Defense response to bacterium

NM_031178.1	TLR9	Toll-like receptor 9	Immune response / Inflammatory response / Defense response to bacterium
NM_009841.2	CD14	CD14 antigen	Immune response / Inflammatory response / Apoptosis
NM_016923.1	Ly96 / MD2	Lymphocyte antigen 96	Immune response / Inflammatory response / Defense response to bacterium
NM_008363.2	IRAK1	Interleukin-1 receptor-associated kinase 1	Cytokine and chemokine mediated signaling pathway / Activation of NF-kappaB-inducing kinase / Positive regulation of transcription
NM_028679.2	IRAK3	Interleukin-1 receptor-associated kinase 3	Cytokine and chemokine mediated signaling pathway
NM_010907.1	Nfkbia / IkBa	Nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, alpha	Regulation of NF-kappaB import into nucleus / Apoptosis
Coagulation and fibrinolysis			
NM_011576.1	TFPI	Tissue factor pathway inhibitor	Blood coagulation
NM_010171.2	F3 / TF	Coagulation factor III	Blood coagulation
NM_011171.1	Procr	Protein C receptor, endothelial / EPCR	Blood coagulation / Inflammatory response
NM_008871.1	Serpine1 / PAI-1	Serine (or cysteine) peptidase inhibitor, clade E, member 1	Blood coagulation / Fibrinolysis / Regulation of angiogenesis
NM_008872.1	Plat / tPA	Plasminogen activator, tissue	Blood coagulation / platelet-derived growth factor receptor signaling

			pathway
NM_011113.2	Plaur / uPAR	Plasminogen activator, urokinase receptor	Blood coagulation / cell surface receptor linked signal transduction / chemotaxis
NM_010169.2	F2r / PAR1	Coagulation factor II (thrombin) receptor	Blood coagulation / G-protein coupled receptor protein signaling pathway
NM_007974.2	F2rl1 / PAR2	Coagulation factor II (thrombin) receptor-like 1	Blood coagulation / G-protein coupled receptor protein signaling pathway / positive regulation of I-kappaB kinase/NF-kappaB cascade
other			
NM_008713.2	Nos3 / eNOS	Nitric oxide synthase 3, endothelial cell	Lipopolysaccharide-mediated signaling pathway / Cell motility
NM_010493.2	Icam1	Intercellular adhesion molecule	Regulation of cell adhesion
NM_011345.2	Sele/E-selectin	Selectin, endothelial cell	Regulation of cell adhesion / Inflammatory response
NM_010577.2	Itga5	Integrin alpha 5 (fibronectin receptor alpha)	Regulation of cell adhesion / Cell-substrate junction assembly
NM_008402.1	Itgav	Integrin alpha V	Regulation of cell adhesion / Cell-matrix adhesion
NM_016780.1	Itgb3	Integrin beta 3	Regulation of cell adhesion / Cell-matrix adhesion
NM_011693.2	Vcam1	Vascular cell adhesion molecule 1	Regulation of cell adhesion
NM_010431.1	Hif1a	Hypoxia inducible factor 1, alpha subunit	Response to hypoxia / Angiogenesis / Apoptosis
NM_008610.2	Mmp2	Matrix metallopeptidase 9	Proteolysis / Blood vessel maturation

NM_013599.2	Mmp9	Matrix metallopeptidase 3	Apoptosis / Macrophage differentiation / Proteolysis
NM_015779.2	Ela2	Elastase 2, neutrophil	Inflammatory response / Leukocyte migration / Phagocytosis
NM_017370.1	Hp	Haptoglobin	Defense response / Proteolysis
Housekeeping gene			
NM_009735.2	B2M	Beta-2 microglobulin	Immune response / Antigen processing and presentation of peptide antigen via MHC class I
NM_013684.2	TBP	TATA box binding protein	Regulation of transcription
NM_011638.3	Tfrc	Transferrin receptor	Endocytosis / Proteolysis

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Table 2: Gene specific oligonucleotides used for probe sets.

Gene symbol	**Hybridising sequence of the long probe oligonucleotide** **Hybridising sequence of the small probe oligonucleotide**	**Reverse Transcriptase primer sequence**
Cytokines and chemokines		
IL-6	TCCAGTTGCCTTCTTGGGACTGATGCTGGTGACAACC GTTCCTCTCTGCAAGAGACTTCCA	TCCGGACTTGTGAAGTAG
IL-4	AGAGAGTGAGCTCGTCTGTAGGGCTTCCAAGGTGCTTC GTCCTCACAGCAACGAAGAACACCAC	CTTCTTCAAGCATGGAGTT
IL-1β	TCCATGAGCTTTGTACAAGGAGAACCAAGCAACGA CAATGGACAGAATATCAACCAACAAGTGATA	CCAAGGCCACAGGTATT
IL-10	GGTTGCCAAGCCTTATCGGAAATGATCCAGTTTTACCTGGT CCTTAATGCAGGACTTTAAGGGTTACTTG	CATGCTTCTCTGCCTG
Cxcl1 / KC	CCTATCGCCAATGAGCTGCGCTGTCAGTGCCTGC GACAGCCGCCTGGCCACAGGGGCG	GATGTTCTTGAGGTGAATC
TNF-α	TCTCAAAATTCGAGTGACAAGCCTGTAGCCCACGTCGTAGCAA GCCCAGACCCTCACACTCAGATCATCT	TGCTCCTCCACTTGGT

IFN-γ	CCCACAGGTCCAGCGCCAAGCATTCAATGAGCTC GAGTATTGCCAAGTTTGAGGTCAACAA	CAGCTGGTGGACCACT
Ccl3 / Mip1a	TGACACCCCGACTGCCTGCTGCTTCTCCTACAGC CCAAGTCTTCTCAGCGCCATATGGAGC	ACGATGAATTGGCGTG
Toll-like receptor		
TLR-2	CAGAGGATGCTACGAGCTCTTTGGCTCTTCTGGATCTT CTTACCGAAACCTCAGACAAAGCGTCAAATCT	CTGAAGAGGACTGTTATGG
TLR-4	TATTACCTACCAATGCATGGATCAGAAACTCAGCAAAGTCCCTGATGAC CTTGAATCCCTGCATAGAGGTAGTTCCTAA	AGCTCAGATCTATGTTCTTG
TLR-9	GAAGGACTCTGCACCCCTTGTCCCTCCTGGTACAGGC CATCTCCCAACATGGTTCTCCGTC	AGAGTCTCAGCCAGCACT
CD14	GCTTGGCTTGTTGCTGTTGCTTCTGGTGCACGCCTCTC CAGAATCTACCGACCATGGAGCGTGT	TTCCTCGTCTAGCTCG
Ly96 / MD2	CAGATGTGTTGCAGAAGCTATTGCTGGGGATACTGAAGAAA GAGGGAATACTATTTCCTAAGGGCCATTA	CGGTGAATGATGGTGAA
IRAK-1	CCTAGAGTGGACTATGGTGAAACAGAGCTTCTTAACAGAGGTGG GCTGTGAAGAGACTGAAGGAGGAAGCTGA	GTGACGAAACCTTGATAGCT

IRAK-3	ATACTCTTGGATGACCAGCTCCAACCCAAACTAACGGATTTTG GTCTGTGGCAACGTTTCCAGTGCAAAC	TCTAGATTGGGTCGGAAGT
Nfkbia / IkBa	TGATGACTGTGTGTTTGGAGGCCAGCGTCTGACATTATAAGTG GTCAGAATTCACAGAGGATGAGCTGCCCTA	GTACAAATATACAAGTCCACATTC
Coagulation and fibrinolysis		
TFPI	AGACAGCTGTGAAGGCAGCATCTGGAGCAGAAAGG GTGTAAGAAAACATGCATACCAGGTTATGAGA	CAGGGTCCTCTTCCAA
F3 / TF	CGAGACACAAACCTCGGACAGCCAGTAATTCAGCAGTTTGAACA CATTTACAAACGCCCCAAAGTTTTTACCTTAC	TTTACAACCACGTTCAGTT
Procr /EPCR	CACTGTTAGCTGCTCCCTGGGCTGCGAGCTGC GCGCAAGGAGAACGTGTTCTTTCCTCT	GGTTCAGAGCCCTCCT
Serpine1 / PAI-1	CACAGCTCATGCCCTCCGCCAGCTCTCCAAGGAGCTCATG GGCTATGGGATTCAAAGTCAATGAGAAGGG	AGTACTGATCTCATTCTTGTTC
Plat / tPA	CAGCTGAGGTCACAGTCCAAGCAATGTGCCC GATACTTATGACAACGACATCGCATTACTG	CAGTGCCAACAGAGCT
Plaur / uPAR	AAGGATGAGGACTACACCCGAGGCTGTGGCAGTCTTC GTGACCCTCCAGAGCACAGAAAGGAGCTTG	GTTGCTATGGAAACCTGCT

F2r / PAR1	AGGACAGATGCTACGGTGAACCCCCGCTCATTCTTTCT GCGTCCCTATGAGCCAGCCAGAATCAGAG	GGGACCAGTTCAAATG
F2rl1 / PAR2	TGCACCGGGACGCAACAACAGTAAAGGAAGAAGTCTTATTGGC CTCCTGCAGCCGGACCGAGAACCT	TTCCCAGTGATTGGAG
other		
Nos3 / eNOS	GGTTTGCTGCCCTTGGCCTGCGCTGGTATGCCCT CTCTGGAGCACCCCACGCTCGAGT	CAGCATGTTGGACACA
Icam-1	CGGAGAGTGTGGAGCTGAGACCTCTGCCAGC CTTCCGCTACCATCACCGTGTATTCGTTTC	TGAGGTCCTTGCCTACTT
Sele / E-selectin	CAGTGTGAAGCCTTATCTGCGCCACAGCAGGGCAACAT CACAAATCCCAGTCTGCAAAGCTGTC	AAGGTCCAGAAGCACTG
ITGA5	CCTGTCCGCCACTCAAGAGCAGATCTCGGAGTCC GGGAAGCTACTTCTGGCAAGGCCAGAT	GGTTGATGAGATACTCTGG
ITGAV	CCGTTGTCACTGTAAATGCTGGCCTTGAAGTGTACCCTAG GGGATCGAGCTGTCTTATACAGAGCCAGAC	GGCAGATCTTATTGTCTTGAT
ITGB3	ATGCCTGCTTGCCCATGTTTGGCTACAAACACGTGCTGACG GGCAATCAAAAACCCCTGTTACAATATGAAGA	ACACCTGGTCGGTTAG

vCAM1	TGAAGATCCAGTAATTAAAATGAGTGGGCCACTTGTGCATGGGAGA GACCCAGGTGGAGGTCTACTCATTCCC	GACTGTGCAGTTGACAGT
HIF-1α	TTCCTGAGGAAGAATTAAACCCAAAGACAATAGCTTCGCAG CCTGTCTGCCACTTTGAATCAAAGAAATACTG	TTCGCTTCCTCTGAGC
MMP-2	GCGGACAGTGACACCACGTGACAAGCCCACAGGTCCCTTG GATCTTCTTCTTCAAGGACCGGTTTATTTG	AGCTCAGGCCAGAATGT
MMP-9	CTGGAAGTTCCTGAATCATAGAGGAAGCCCATTACAGGGC GCTGCATTTCTTCAAGGACGGTTGGTA	GCGGGCAGTAAGGAA
Elastase-2	AGCTGTGGGTACCCCACTTATGAGGTGGAGGATGA TATCTGCCTTGGTGGCTGGAGCCCTC	CCAACTACCCTGCTCA
Haptaglobin	CCTTAAACGACGAGAAGCAATGGGTGAACACAGTCGC GACGGGCCGAAGGAGATGGGGTGTACA	ACTGCCTCACATTCGG
Housekeeping gene		
B2M	GATTCATTTGAACCTGCTTAATTACAAATCCAGTTTCTAATATG CATGTGATCAAGCATCATGATGCTCTGAA	CTGCGTGCATAAATTGTATAG
TBP	GTATCTACCGTGAATCTTGGCTGTAAACTTGACCTAAAGACCATTGC CTGGAATTGTACCGCAGCTTCAAAATATT	GCTTGGGATTATATTCAGCA

TFRC	CACTTCCTGTCGCCCTATGTATCTCCAAGAGAGTCTCCTTTC GGAAATCAATGATCGTATTATGAAAGTGGAGT	GAGAGTGTGAGAGCCAG