

## Tables

**Table 1 Primers used for real-time RT-PCR analysis.**

<b>Primer</b>	<b>Forward (5'-3')</b>	<b>Reverse (3'-5')</b>
mSTAT1	AGCTCTGCTCCATACCCTGA	TGCAGTTCGGGATTCAACA
mCXCL10	AAGCTATGTGGAGGTGCGAC	TGAGCTAGGGAGGACAAGGA
mFPR2	GGATCCTGGGCTCAAACCTGAT	CATGGGCATGCTGAAACCAA
mPSMB8	TCCTGAGGTCCTTTGGTGGT	ACTTGAAGGCGAGTGTGGTT
mPTAFR	CGAGGGCGACTGGATTCTAC	GACACCCAAAAAGGCCACAC
mCCR7	GTGTGATTTCTACAGCCCCCA	CTGGAAAATGACAAGGAGAGCC
mCXCR4	GAAACCTCTGAGGCGTTTGGT	AGTCTCCAGAACCCACTTCTTC
mLCK	GCTGACGATCTCGGGTACTTT	AGACACAGCCCATGATCCCT
mGAPDH	ACCACAGTCCATGCCATCAC	GATGTTGTAGCGCTGTGTGTCA
hSTAT1	GGTAATTGACCTCGAGACGACCTCTC	GGAAGAAGGACAGATTCCTGGGTTCC
hCXCL10	GTGGCATTCAAGGAGTACCTC	GCCTTCGATTCTGGATTCAG
hGAPDH	CCTTCCGTGTCCCCACT	GCCTGCTTCACCACCTTC

**Table 2 GO and KEGG pathway enrichment analysis of DEGs.**

<b>Term</b>	<b>Description</b>	<b>Count in gene set</b>	<b>P-value</b>
<b>Gene Ontology</b>			
GO:0002376	immune system process	69	1.92E-44
GO:0006954	inflammatory response	36	3.98E-15
GO:0006935	chemotaxis	20	2.89E-12
GO:0050870	positive regulation of T cell activation	9	5.53E-10
GO:0016020	membrane	196	1.01E-08
GO:0005886	plasma membrane	122	4.56E-03
GO:0005737	cytoplasm	158	6.61E-03
GO:0005525	GTP binding	27	1.36E-07
GO:0008009	chemokine activity	9	5.93E-06
GO:0019901	protein kinase binding	21	8.07E-04
<b>Biological pathway</b>			
mmu04612	Antigen processing and presentation	20	2.70E-14
mmu04940	Type I diabetes mellitus	13	1.65E-08
mmu04060	Cytokine-cytokine receptor interaction	22	2.25E-07
mmu04514	Cell adhesion molecules (CAMs)	18	2.34E-07
mmu04064	NF-kappa B signaling pathway	14	3.91E-07
mmu04672	Intestinal immune network for IgA production	10	4.34E-07
mmu04062	Chemokine signaling pathway	19	7.58E-07
mmu04650	Natural killer cell mediated cytotoxicity	14	9.92E-07
mmu04660	T cell receptor signaling pathway	11	1.28E-04
mmu04668	TNF signaling pathway	11	2.41E-04
mmu04621	NOD-like receptor signaling pathway	7	2.15E-03

**Table 3 Functional roles of 10 hub genes.**

No.	Gene Symbol	Full name	Function
1	TNF	tumor necrosis factor	Pathways: Cytokine-cytokine receptor interaction and Toll-like receptor signaling pathway; GO: regulation of insulin secretion and cytokine activity
2	CCL5	chemokine (C-C motif) ligand 5	Pathways: Cytokine-cytokine receptor interaction and Toll-like receptor signaling pathway; GO: immune response and inflammatory response
3	CXCL10	chemokine (C-X-C motif) ligand 10	Pathways: Cytokine receptor interaction and Toll-like receptor signaling pathway; GO: immune response and chemokine activity
4	STAT1	signal transducer and activator of transcription 1	Pathways: Toll-like receptor signaling pathway and Chemokine signaling pathway; GO: response to cytokine and tumor necrosis factor
5	CXCL9	chemokine (C-X-C motif) ligand 9	Pathways: Toll-like receptor signaling pathway and Chemokine signaling pathway; GO: immune response and CXCR chemokine receptor binding
6	ITGAX	integrin alpha X	Pathways: Complement and coagulation cascades
7	CD274	CD274 antigen	Pathways: Toll-like receptor signaling pathway and Type I diabetes mellitus; GO: positive regulation of T cell apoptotic process and cytokine activity
8	IFNG	interferon gamma	Pathways: Toll-like receptor signaling pathway and Type I diabetes mellitus; GO: regulation of insulin secretion and cytokine activity
9	PSMB8	proteasome subunit beta type 8	Pathways: antigen processing and presentation and immune system process; GO: endopeptidase activity and hydrolase activity
10	CD40	CD40 antigen	Pathways: Cytokine-cytokine receptor interaction and Toll-like receptor signaling pathway; GO: immune response and inflammatory response