

Table 5. Genes up- or down-regulated in $\gamma\delta$ IELs after *Yersinia* infection

Gene expression values are shown for genes with 1.4-fold or greater differences in the expression levels identified from $\gamma\delta$ IEL samples isolated from uninfected (Un) and *Yersinia*-infected (Inf) animals. To identify genes differentially expressed between $\gamma\delta$ IELs from infected and uninfected mice, ANOVA tests were carried out by comparing individual probe pairs from the GENECHIP arrays. To be considered differentially expressed, genes had to (i) have a p value < 7.87×10^{-6} (60 / 6,352 genes met this criterion), (ii) be called "present" or "moderate" in at least one $\gamma\delta$ IEL sample, according to GENECHIP 3.0 software (58 / 60 remaining genes), (iii) have an absolute difference in median expression of at least 10 between the two populations from infected and uninfected mice (54 / 58 genes), and (iv) exhibit at least a 1.4-fold change between infected and uninfected samples. Of 6,352 genes tested, 37 met these criteria, 6 being increased after infection and 31 being decreased after infection.

Un	Inf	Accession	Description
Genes up-regulated after <i>Yersinia</i> infection			
5441	8264	X06407	Translationally regulated transcript (21 kDa) (Trt)
445	625	D00472	Cofilin 1, non muscle (Cf1)
111	156	U27340	Prosaposin (SGP-1)
62	113	AA145371	Interferon-induced protein 6-16 precursor (IFI-6-16), homolog
65	108	L25885	β 1,4 N-acetylgalactosaminyltransferase (Galgt1)
34	48	W40735	EH domain-containing protein EHD1 (mPAST1), homolog
Genes down-regulated after <i>Yersinia</i> infection			
972	590	U12236	Integrin alpha-E
614	337	U58494	Intracisternal A-particle mRNA (5' to the IL-3 gene)
451	281	U58888	SH3P2 protein (osteoclast stimulating factor 1, homolog)
239	137	AA114811	ATP synthase γ -subunit, homolog
238	160	AA008136	α -actinin 4, homolog
212	139	AA123463	SET protein (I2PP2A), homolog
211	130	U09351	Stat4
203	86	W13875	Myosin regulatory light chain, homolog
181	136	D37837	Plastin 2, L (Pls2)
172	72	U50413	PI-3-kinase, regulatory subunit p85 α
164	103	W29730	Protein phosphatase 1 α , homolog
161	86	U10484	Lymphoid-restricted membrane protein (Jaw1)
135	50	W35962	Suppressor of Ty 4 (Supt4h), homolog
134	75	W83337	Glutathione peroxidase 4, homolog
124	53	M60285	cAMP-responsive element modulator
121	79	AA152884	Heat shock protein, DNAJ-like 2 (Hsj2)
119	76	AA168184	Core promoter-binding protein
111	61	X89749	TG interacting factor
110	57	AA003990	Splicing factor, arginine/serine-rich 7, homolog
92	57	U41736	Ancient ubiquitous protein (Aup1)
75	36	D87990	UDP-galactose transporter related isozyme 1
75	42	W29669	TIS7/PC4, homolog
72	32	U54803	Cysteine protease (Lice)
63	34	X05719	CD152 antigen (CTLA-4)
57	28	W46019	14-3-3 protein θ -subtype, homolog
48	16	AA162093	DEAD/H box polypeptide 15 (RNA helicase A)
46	33	X59421	Friend leukemia integration 1 (Fli1)
45	19	AA105582	CD53 (OX-44), homolog
39	20	AA008095	General transcription factor 2-I, homolog
34	16	D83585	Proteasome (prosome, macropain) subunit, β type 7
32	9	D87691	Eukaryotic polypeptide chain release factor 1 (eRF1)