Table S1. Selected gene transcripts altered in macrophages at 4 h after exposure to live *Borrelia burgdorferi* (Bb) as compared to those exposed to live Bb in the presence of added IL-10

		Fold change		Ratio	
Gene number	**Annotation**	**Live Bb**	**Live Bb + IL-10**	**Live Bb/ Live Bb + IL-10**	**Description/function**
					Cytokine
NM_011337	Ccl3	17.01	16.04	1.06	Chemokine (C-C motif) ligand 3
NM_013654	Ccl7	3.16	3.61	0.88	Chemokine (C-C motif) ligand 7
					Enzyme
NM_028810	Rnd3	3.66	3.41	1.07	Rho family GTPase 3
NM_133223	Rac3	2.75	2.77	0.99	RAS-related C3 botulinum substrate 3
NM_145491	Rhoq	2.19	2.22	0.99	Ras homolog gene family, member Q
NM_018868	Nol5	2.39	2.43	0.98	Nucleolar protein 5
NM_007464	Birc3	4.02	4.1	0.98	Baculoviral IAP repeat-containing 3
NM_145953	Cth	3.63	3.81	0.95	Cystathionase (cystathionine gamma-lyase)
NM_053108	Glrx	3.41	3.61	0.94	Glutaredoxin
NM_018734	Gbp4	6.25	7.08	0.88	Guanylate nucleotide binding protein 3
NM_011408	Slfn2	4.09	4.83	0.85	Schlafen 2
					G-protein coupled receptor
NM_017466	Ccrl2	14.11	12.57	1.12	Chemokine (C-C motif) receptor-like 2
NM_145066	Gpr85	4.18	3.78	1.11	G protein-coupled receptor 85
NM_008965	Ptger4	4.67	4.25	1.1	Prostaglandin E receptor 4 (subtype EP4)
NM_030720	Gpr84	6.11	7.16	0.85	G protein-coupled receptor 84
NM_013885	Clic4	2.22	2.5	0.89	**Ion channel** Chloride intracellular channel 4 (mitochondrial)
					kinase
NM_008413	Jak2	3.52	3.97	0.89	Janus kinase 2
NM_013820	Hk2	3.61	4.18	0.86	Hexokinase 2
NM_172734	Stk38l	2.58	3.09	0.84	Serine/threonine kinase 38 like
NM_007609	Casp4	4.05	4.25	0.95	**Peptidase** Caspase 4, apoptosis-related cysteine peptidase
					Phosphatase
NM_010090	Dusp2	11.11	11.02	1.01	Dual specificity phosphatase 2
NM_026849	1110061O04Rik	2.24	2.67	0.84	Myotubularin related protein 14
NM_030612	Nfkbiz	16.76	14.13	1.19	**Transcription regulator** Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta
BC006925	Ell2	8.12	7.08	1.15	Elongation factor RNA polymerase II 2
NM_019408	Nfkb2	3.25	2.94	1.11	Nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100
NM_148924	Zfp263	2.78	2.63	1.06	Zinc finger 263
NM_010723	Lmo4	2.67	2.57	1.04	LIM domain only 4
NM_009046	Relb	3.24	3.14	1.03	Avian reticuloendotheliosis viral (v-rel) oncogene related B
NM_011756	Zfp36	4.48	4.48	1	Zinc finger protein 36
BC082312	Arid5b	2.94	3.16	0.93	AT rich interactive domain 5B (Mrf1 like)

NM_010908	Nfkbib	3.28	3.71	0.89	Nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, beta
NM_009883	Cebpb	3.68	4.25	0.87	CCAAT/enhancer binding protein (C/EBP), beta
					Transmembrane receptor
NM_011610	Tnfrsf1b	2.88	2.66	1.08	Tumor necrosis factor receptor superfamily, member 1b
NM_030691	Igsf6	5.67	5.25	1.08	Immunoglobulin superfamily, member 6
NM_007987	Fas	8.54	8.07	1.06	Fas (TNF receptor superfamily member 6)
					Transporter
NM_008466	Kpna3	2.65	2.28	1.16	Karyopherin (importin) alpha 3
NM_025286	Slc31a2	4.34	3.85	1.13	Solute carrier family 31, member 2
NM_026482	Atp2b1	2.39	2.2	1.09	ATPase, Ca++ transporting, plasma membrane 1
NM_028035	Snx10	3.31	3.08	1.08	Sorting nexin 10
NM_011400	Slc2a1	3.57	3.88	0.92	Solute carrier family 2 (facilitated glucose transporter), member 1
NM_172659	Slc2a6	2.86	3.3	0.87	Solute carrier family 2 (facilitated glucose transporter), member 6
					Others
NM_026405	Rab32	2.51	2.14	1.17	RAB32, member RAS oncogene family
NM_019948	Clec4e	6.16	5.26	1.17	C-type lectin domain family 4, member e
XM_134088/ AK030769	Rab11fip1	5.45	4.74	1.15	Unknown
NM_009302	Swap70	4.27	3.81	1.12	SWA-70 protein
NM_029000	Gvin1	2.61	2.36	1.11	GTPase, very large interferon inducible 1
NM_021327	Tnip1	4.56	4.18	1.09	TNFAIP3 interacting protein 1
NM_009058	Ralgds	5.39	4.96	1.09	Ral guanine nucleotide dissociation stimulator
NM_007754/ AK134736	Cpd	3.65	3.37	1.08	Carboxypeptidase D
NM_007707	Socs3	11.38	10.56	1.08	Suppressor of cytokine signaling 3
AK085741	Cln5	3.22	2.99	1.08	Ceroid-lipofuscinosis, neuronal 5
NM_178045	Rassf4	4.34	4.09	1.06	Ras association (RalGDS/AF-6) domain family 4
NM_207680	Bcl2l11	3.9	3.71	1.05	BCL2-like 11 (apoptosis facilitator)
NM_153118	Fnbp1l	4.62	4.41	1.05	Formin binding protein 1-like
XM_898828	2610030H06Rik	2.46	2.38	1.03	Unknown
ENSMUST0000 0022882	ENSMUST0000 0022882	3.53	3.41	1.03	Unknown
AK152177/ L38281	Irg1	23.05	22.06	1.04	Immunoresponsive gene 1
NM_021511	Rrs1	3.34	3.23	1.03	RRS1 ribosome biogenesis regulator homolog (S. cerevisiae)
NM_009186	Sfrs10	2.32	2.27	1.02	Splicing factor, arginine/serine-rich 10 (transformer 2 homolog, Drosophila)
NM_030565	BC004044	4.1	4.08	1.01	CDNA sequence BC004044
NM_009396	Tnfaip2	4.07	4.1	0.99	Tumor necrosis factor, alpha-induced protein 2
NM_133206	Znrf1	2.21	2.22	0.99	Zinc and ring finger 1
NM_009510	Vil2	4.39	4.74	0.93	Villin 2
NM_010807	Marcksl1	4.31	4.71	0.92	MARCKS-like 1
NM_010259	Gbp1	2.85	3.19	0.89	Guanylate nucleotide binding protein 1
NM_010907	Nfkbia	9.11	10.27	0.89	Nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, alpha
NM_011191	Psme2b-ps	2.39	2.71	0.88	Unknown

NM_013532	Lilrb4	2.46	2.78	0.88	Leukocyte immunoglobulin-like receptor, subfamily B, member 4
NM_011414	Slpi	2.59	2.93	0.88	Secretory leukocyte peptidase inhibitor
NM_178616	Psmd11	2.37	2.69	0.88	Proteasome (prosome, macropain) 26S subunit, non-ATPase, 11
TC1415519	TC1415519	2.42	2.77	0.87	Unknown
BC076612	3110043O21Rik	2.56	2.96	0.86	RIKEN cDNA 3110043O21 gene
XM_146893	Zc3h12c	7.45	8.73	0.85	Zinc finger CCCH type containing 12C

A corrected one-way analysis of variance was used to analyze the microarray data. Genes whose expression levels changed by at least 2-fold or more up-regulated genes ($P < 0.05$) as compared to unstimulated cells were considered to be differentially expressed in a statistically significant manner. The underlined genes are common to both the 4 and 24 h time-points.