

Table S2 : Selected genes up- or down-regulated more than two-fold in Leishmania infected BMdM as measured by array data

Ensembl.Gene.ID	Description	MGI Symbol	Pathways	Log2(FC)-1h	Log2 (Fc)-3h	Log2 (Fc)-6h	Log2 (Fc)-12h	Log2 (Fc)-24h	
ENSMUSG00000028645	Solute carrier family 2, facilitated glucose transporter member 1 (Glucose transporter type 1, €	Slc2a1	Glycolysis, pathway	0	3,214378018	2,42716028	2,581617141	0	
ENSMUSG00000036427	Glucose-6-phosphate isomerase (EC 5.3.1.9) (GPI) (Phosphoglucose isomerase) (PGI) (Phospho	Gpi1		0	0	0	1,337895056	0	
ENSMUSG00000020277	6-phosphofructokinase, liver type (EC 2.7.1.11) (Phosphofructokinase 1) (Phosphohexokinase)	Pfkl		0	1,214591183	0,95199684	0,766093313	0	
ENSMUSG00000021196	6-phosphofructokinase type C (EC 2.7.1.11) (Phosphofructokinase 1) (Phosphohexokinase) (Ph	Pfkp		0	1,33842839	1,77882142	1,718663934	0	
ENSMUSG00000030695	aldolase 1, A isoform, retrogene 1 [Source:MGI;Acc:MGI:2447811]	Aldoa		0	0	0,81391449	0,920161	0	
ENSMUSG00000017390	Fructose-bisphosphate aldolase C (EC 4.1.2.13) (Brain-type aldolase) (Aldolase 3) (Zebrin II) (Sc	Aldoc		0	0	0	0,791231297	0	
ENSMUSG00000023456	Triosephosphate isomerase (EC 5.3.1.1) (TIM) (Triose-phosphate isomerase). [Source:Uniprot/	Tpi1		0	0	1,85248647	1,698747114	0	
ENSMUSG00000004267	Gamma-enolase (EC 4.2.1.11) (2-phospho-D-glycerate hydro-lyase) (Neural enolase) (Neuron-s	Eno2		0	1,68801578	1,68675772	1,719062067	1,36955953	
ENSMUSG00000032294	Pyruvate kinase isozymes M1/M2 (EC 2.7.1.40) (Pyruvate kinase muscle isozyme). [Source:Uni	Pkm2		0	0	1,05244608	0	0	
ENSMUSG00000057666	Glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12) (GAPDH). [Source:Uniprot/SWISSPR	Gapdh		0	0	0	0,926	0	
ENSMUSG00000026773	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 [Source:RefSeq_peptide;Acc:NP_5734	Pfkfb3		0	1,530869524	0,9722233	1,349865181	0	
ENSMUSG00000006494	Pyruvate dehydrogenase [lipoamide] kinase isozyme 1, mitochondrial precursor (EC 2.7.11.2)	Pdk1		0	0,712072524	0,75918556	0	0	
ENSMUSG00000022707	1,4-alpha-glucan-branching enzyme (EC 2.4.1.18) (Glycogen-branching enzyme) (Brancher enzy	Gbe1		starch degradation	0	1,208213876	2,03964157	2,218365553	1,133666409
ENSMUSG00000025791	Phosphoglucomutase-1 (EC 5.4.2.2) (Glucose phosphomutase 1) (PGM 1). [Source:Uniprot/SW	Pgm2			0	1,514197843	1,86392124	1,697257073	0
ENSMUSG00000041731	Phosphoglucomutase-like protein 5. [Source:Uniprot/SWISSPROT;Acc:Q8BZF8]	Pgm5	0		0	0	0,735801575	0	
ENSMUSG00000037012	Hexokinase-1 (EC 2.7.1.1) (Hexokinase type I) (HK I) (Hexokinase, tumor isozyme). [Source:Uni	Hk1	0		1,206750136	1,12417842	1,277000206	0	
ENSMUSG00000000628	Hexokinase-2 (EC 2.7.1.1) (Hexokinase type II) (HK II). [Source:Uniprot/SWISSPROT;Acc:O0852	Hk2	0		1,744413367	1,15000422	1,354032687	0	
ENSMUSG00000025877	Hexokinase-3 (EC 2.7.1.1) (Hexokinase type III) (HK III). [Source:Uniprot/SWISSPROT;Acc:Q3TR	Hk3	0		0,837699659	1,22313912	1,147896779	0,955257357	
ENSMUSG00000028961	6-phosphogluconate dehydrogenase, decarboxylating (EC 1.1.1.44). [Source:Uniprot/SWISSPR	Pgd	pentose phosphate Pathway	0	0	0,75903434	0	0	
ENSMUSG00000063229	L-lactate dehydrogenase A chain (EC 1.1.1.27) (LDH-A) (LDH muscle subunit) (LDH-M). [Source:	Ldha		0	1,12922393	1,89818424	1,522267929	0	
ENSMUSG00000025950	Isocitrate dehydrogenase [NADP] cytoplasmic (EC 1.1.1.42) (Cytosolic NADP-isocitrate dehydr	Idh1	TCA Cycle	0	-1,23202837	-1,09653743	-0,858694783	0	
ENSMUSG00000009863	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial precursor (EC 1.3.5.1	Sdhb	TCA Cycle	0	0	0	-1,057	0	
ENSMUSG00000026526	Fumarate hydratase, mitochondrial precursor (EC 4.2.1.2) (Fumarase) (EF-3). [Source:Uniprot/	Fh1	TCA Cycle	0	0	0	-0,882	0	
ENSMUSG00000035493	Transforming growth factor-beta-induced protein ig-h3 precursor (Beta ig-h3). [Source:Uniprot	Tgfb1	Immune Response	0	0	-1,74969764	0	0	
ENSMUSG00000026875	TNF receptor-associated factor 1. [Source:Uniprot/SWISSPROT;Acc:P39428]	Traf1		0	0,951411887	0	0	0	
ENSMUSG00000023034	Nuclear receptor subfamily 4 group A member 1 (Orphan nuclear receptor HMR) (Nuclear horr	Nr4a1		2,33564923	0	0	0	0	
ENSMUSG00000027398	Interleukin-1 beta precursor (IL-1 beta). [Source:Uniprot/SWISSPROT;Acc:P10749]	Il1b		0	0	0	-1,315575005	0	
ENSMUSG00000033538	Caspase-4 precursor (EC 3.4.22.64) (CASP-4) (Caspase-11) (CASP-11) (ICH-3 protease) [Contains	Casp4		0	0,807970063	0	0	0	
ENSMUSG00000026981	Interleukin-1 receptor antagonist protein precursor (IL-1ra) (IL-1RN) (IRAP) (IL1 inhibitor). [Sou	Il1rn		0,94576245	1,650216475	1,91535962	1,421687394	0	
ENSMUSG00000027947	Interleukin-6 receptor alpha chain precursor (IL-6R-alpha) (IL-6R 1) (CD126 antigen). [Source:U	Il6ra		0	-0,92323117	-1,14923195	-0,90027878	0	
ENSMUSG00000003882	Interleukin-7 receptor alpha chain precursor (IL-7R-alpha) (CD127 antigen). [Source:Uniprot/S	Il7r		0	0,804657399	0,93890821	0,749063556	0	
ENSMUSG00000024401	Tumor necrosis factor precursor (TNF-alpha) (Tumor necrosis factor ligand superfamily membe	Tnf		1,89763288	2,029073699	1,38263071	0	0	
ENSMUSG00000037405	Intercellular adhesion molecule 1 precursor (ICAM-1) (CD54 antigen) (MALA-2) (MyD10). [Sour	Icam1		0	0,850306944	0	0	0	
ENSMUSG00000017652	Tumor necrosis factor receptor superfamily member 5 precursor (CD40L receptor) (B-cell surfa	Cd40	0	0	0,94646175	0	0		
ENSMUSG00000015396	CD83 antigen [Source:RefSeq_peptide;Acc:NP_033986]	Cd83	1,19204799	0,84842764	0	0	0		
ENSMUSG00000022901	T-lymphocyte activation antigen CD86 precursor (Activation B7-2 antigen) (Early T-cell costimu	Cd86	0	0,77526108	0,83923271	0	0		
ENSMUSG00000029380	Growth-regulated alpha protein precursor (C-X-C motif chemokine 1) (Platelet-derived growth	Cxcl1	Chemokine	1,54617355	1,098612242	0	0	0	
ENSMUSG00000034855	C-X-C motif chemokine 10 precursor (Small-inducible cytokine B10) (Interferon-gamma-induce	Cxcl10		0	0	1,19570684	1,424173848	0	
ENSMUSG00000058427	Macrophage inflammatory protein 2 precursor (MIP2) (C-X-C motif chemokine 2). [Source:Uni	Cxcl2		3,25492812	2,101488006	2,33549267	0	0	
ENSMUSG00000029379	chemokine (C-X-C motif) ligand 3 [Source:RefSeq_peptide;Acc:NP_976065]	Cxcl3		0	0,938993391	1,18692352	0	0	

ENSMUSG00000035385	C-C motif chemokine 2 precursor (Small-inducible cytokine A2) (Monocyte chemotactic protein 2)	Ccl2	1,70111436	0	0	0	0
ENSMUSG0000000982	C-C motif chemokine 3 precursor (Small-inducible cytokine A3) (Macrophage inflammatory protein 3)	Ccl3	2,76824059	2,035651322	1,22715547	0	0
ENSMUSG00000018930	C-C motif chemokine 4 precursor (Small-inducible cytokine A4) (Macrophage inflammatory protein 4)	Ccl4	2,28303004	0	1,05861235	0	0
ENSMUSG00000049103	C-C chemokine receptor type 2 (C-C CKR-2) (CC-CKR-2) (CCR-2) (CCR2) (JE/FIC receptor) (MCP-1 receptor)	Ccr2	0	-1,6640744	-1,03161793	0	0
ENSMUSG00000043953	C-C chemokine receptor-like 2 (Lipopolysaccharide-inducible C-C chemokine receptor) (L-CCR) (L-CCR2)	Ccr12	2,12433766	2,128908878	1,96990509	0	0
ENSMUSG00000020826	Nitric oxide synthase, inducible (EC 1.14.13.39) (NOS type II) (Inducible NO synthase) (Inducible nitric oxide synthase)	Nos2	0	0	2,04860145	2,403772761	0
ENSMUSG00000019987	Arginase-1 (EC 3.5.3.1) (Type I arginase) (Liver-type arginase), [Source:Uniprot/SWISSPROT;Acc:Q9JLW1]	Arg1	0	0	2,037	1,575	1,658
ENSMUSG00000049723	Macrophage metalloelastase precursor (EC 3.4.24.65) (MME) (Matrix metalloproteinase-12) (MMP-12), [Source:Uniprot/SWISSPROT;Acc:Q9JLW1]	Mmp12	0	0	1,602	1,724	1,03
ENSMUSG00000000957	Matrix metalloproteinase-14 precursor (EC 3.4.24.80) (MMP-14) (Membrane-type matrix metalloproteinase-14)	Mmp14	0	0,809	0	0	0
ENSMUSG00000029084	ADP-ribosyl cyclase 1 (EC 3.2.2.5) (Cyclic ADP-ribose hydrolase 1) (cADPr hydrolase 1) (NIM-R5 antigen) (NIM-R5)	Cd38	0	0	0,832	0,74	0
ENSMUSG00000000555	Integrin alpha-5 precursor (Fibronectin receptor subunit alpha) (Integrin alpha-F) (VLA-5) (CD49e antigen) (CD49e)	Itga5	0	0,924094724	0,720036034	0,825394513	0
ENSMUSG000000037405	Intercellular adhesion molecule 1 precursor (ICAM-1) (CD54 antigen) (MALA-2) (MyD10), [Source:Uniprot/SWISSPROT;Acc:Q9JLW1]	Icam1	0	0,931	0	0	0
ENSMUSG00000021670	3-hydroxy-3-methylglutaryl-coenzyme A reductase (EC 1.1.1.34) (HMG-CoA reductase), [Source:Uniprot/SWISSPROT;Acc:Q9JLW1]	Hmgcr	0	0,766	0	0	0
ENSMUSG00000022351	Squalene monooxygenase (EC 1.14.99.7) (Squalene epoxidase) (SE), [Source:Uniprot/SWISSPROT;Acc:Q9JLW1]	Sqle	0	0,810897603	0	0	0
ENSMUSG00000026170	Cytochrome P450 27, mitochondrial precursor (EC 1.14.13.15) (Cytochrome P-450C27/25) (Stearyl-CoA oxidase)	Cyp27a1	0	-0,7250079	-1,44239693	-1,272885117	0
ENSMUSG00000015243	ATP-binding cassette sub-family A member 1 (ATP-binding cassette transporter 1) (ATP-binding cassette transporter 1)	Abca1	0	0	-0,93577279	0	0
ENSMUSG00000025203	Acyl-CoA desaturase 2 (EC 1.14.19.1) (Stearoyl-CoA desaturase 2) (Fatty acid desaturase 2) (Desaturase 2)	Scd2	0	0	0	1,521323372	1,515090128
ENSMUSG00000002944	Platelet glycoprotein 4 (Platelet glycoprotein IV) (GPIV) (GPIIIB) (CD36 antigen) (PAS IV) (PAS-4)	Cd36	0	0	1,33190094	0	0
ENSMUSG00000007655	Caveolin-1, [Source:Uniprot/SWISSPROT;Acc:P49817]	Cav1	0	0	0	0,745881736	0
ENSMUSG00000022305	Low-density lipoprotein receptor-related protein 12 precursor, [Source:Uniprot/SWISSPROT;Acc:Q9JLW1]	Lrp12	0	1,043802329	0	0	0
ENSMUSG00000076435	Acyl-CoA synthetase family member 2, mitochondrial precursor (EC 6.2.1.-), [Source:Uniprot/SWISSPROT;Acc:Q9JLW1]	Acsf2	0	0	-0,72716511	0	0
ENSMUSG00000018796	Long-chain-fatty-acid--CoA ligase 1 (EC 6.2.1.3) (Long-chain acyl-CoA synthetase 1) (LACS 1), [Source:Uniprot/SWISSPROT;Acc:Q9JLW1]	Acs11	0	1,305541141	1,1225562	1,286080999	0
ENSMUSG00000062515	Fatty acid-binding protein, adipocyte (AFABP) (Adipocyte lipid-binding protein) (ALBP) (A-FABP)	Fabp4	0	1,478791089	1,68120804	0	0
ENSMUSG00000015568	Lipoprotein lipase precursor (EC 3.1.1.34) (LPL), [Source:Uniprot/SWISSPROT;Acc:P11152]	Lpl	0	0	0	0	0,794
ENSMUSG00000029314	1-acyl-sn-glycerol-3-phosphate acyltransferase theta (EC 2.3.1.51) (Lysophosphatidic acid acyltransferase)	Agpat9	0	0,724642752	0,71502502	0	0
ENSMUSG00000028517	Lipid phosphate phosphohydrolase 3 (EC 3.1.3.4) (Phosphatidic acid phosphatase 2b) (Phosphatidate phosphatase)	Ppap2b	0	1,052284718	1,26225361	1,112020775	0
ENSMUSG00000030747	Diacylglycerol O-acyltransferase 2 (EC 2.3.1.20) (Diglyceride acyltransferase 2), [Source:Uniprot/SWISSPROT;Acc:Q9JLW1]	Dgat2	0	0,845	0	0	0
ENSMUSG00000031467	1-acyl-sn-glycerol-3-phosphate acyltransferase epsilon (EC 2.3.1.51) (1-AGP acyltransferase 5)	Agpat5	0	0,802476155	0	0	0
ENSMUSG00000056220	Cytosolic phospholipase A2 (cPLA2) (Phospholipase A2 group IVA) [Includes: Phospholipase A2 group IVA]	Pla2g4a	0	0	0,7902618	0,717374986	0
ENSMUSG00000028378	NADP-dependent leukotriene B4 12-hydroxydehydrogenase (EC 1.3.1.74) (15-oxoprostaglandin synthase)	Ltb4dh	0	0	1,21089194	0	0
ENSMUSG00000029919	Glutathione-requiring prostaglandin D synthase (EC 5.3.99.2) (Glutathione-dependent PGD synthase)	Ptgds2	0	0	0	-0,806259096	0
ENSMUSG00000039942	Prostaglandin E2 receptor EP4 subtype (Prostanoid EP4 receptor) (PGE receptor, EP4 subtype)	Ptger4	0,82848723	0	0	0	0
ENSMUSG00000050737	Prostaglandin E synthase (EC 5.3.99.3) (mPGES-1), [Source:Uniprot/SWISSPROT;Acc:Q9JLW1]	Ptges	0	1,318719911	1,78705281	1,599546431	0
ENSMUSG00000071072	Prostaglandin E synthase 3 (EC 5.3.99.3) (Cytosolic prostaglandin E2 synthase) (cPGES) (Telomerase)	Ptges3	0	0	0,93676353	0	0
ENSMUSG00000047250	Prostaglandin G/H synthase 1 precursor (EC 1.14.99.1) (Cyclooxygenase- 1) (COX-1) (Prostaglandin synthase)	Ptgs1 (cox1)	0	0	-1,31384103	-1,279805241	0
ENSMUSG00000032487	Prostaglandin G/H synthase 2 precursor (EC 1.14.99.1) (Cyclooxygenase- 2) (COX-2) (Prostaglandin synthase)	Ptgs2 (cox2)	1,95483853	2,240586175	1,78799857	2,459334673	0
ENSMUSG00000016427	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 1 (NADH- ubiquinone oxidoreductase)	Ndufa1	0	0	0,977	-0,863	0
ENSMUSG00000014294	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2 (NADH- ubiquinone oxidoreductase)	Ndufa2	0	0	0,917	-0,892	0
ENSMUSG00000023089	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5 (NADH- ubiquinone oxidoreductase)	Ndufa5	0	0	0	-0,954	0
ENSMUSG00000026895	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 8 (NADH- ubiquinone oxidoreductase)	Ndufa8	0	0	0	-0,745	0
ENSMUSG00000040048	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10 (NADH- ubiquinone oxidoreductase)	Ndufb10	0	0	0	-0,816	0
ENSMUSG00000031059	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 11, mitochondrial precursor (NADH- ubiquinone oxidoreductase)	Ndufb11	0	0	0	-0,928	0

Adhesion molecules

Cholesterol pathway

Triglyceride pathway

Prostaglandine synthesis

Complex I structure

ENSMUSG0000002416	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 2, mitochondrial precursor (NA	Ndufb2		0	0	0	-0,864	0
ENSMUSG00000025204	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 8, mitochondrial precursor (NA	Ndufb8		0	0	0	-0,887	0
ENSMUSG00000030647	NADH dehydrogenase [ubiquinone] 1 subunit C2 (NADH-ubiquinone oxidoreductase subunit B	Ndufc2		0	0	0	-1,114	0
ENSMUSG00000009863	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial precursor (EC 1.3.5.1	Sdhb	Complex II activity + Sdhb (T	0	0	0	-1,057	0
ENSMUSG00000059534	Cytochrome b-c1 complex subunit 9 (Ubiquinol-cytochrome c reductase complex 7.2 kDa prote	Uqcr10	Complex III-May function as	0	0	0,834	-0,897	0
ENSMUSG00000038462	Cytochrome b-c1 complex subunit Rieske, mitochondrial precursor (EC 1.10.2.2) (Ubiquinol-cy	Uqcrfs1	Complex III-Nuclear subunit-	0	0	0	-0,965	0
ENSMUSG00000063882	Cytochrome b-c1 complex subunit 6, mitochondrial precursor (Ubiquinol- cytochrome c reduct	Uqcrh	Complex III-UQCRH (Subunit	0	0	0,772	0	0
ENSMUSG00000046516	Cytochrome c oxidase copper chaperone. [Source:Uniprot/SWISSPROT;Acc:P56394]	Cox17	Complex IV	0	0	0,893	0	0
ENSMUSG00000000088	Cytochrome c oxidase subunit 5A, mitochondrial precursor (Cytochrome c oxidase polypeptide	Cox5a		0	0	0,793	-1,119	0
ENSMUSG00000041697	Cytochrome c oxidase polypeptide VIa-liver, mitochondrial precursor. [Source:Uniprot/SWISSP	Cox6a1		0	0	0	-1,24	0
ENSMUSG00000036751	Cytochrome c oxidase subunit VIb isoform 1 (COX VIb-1). [Source:Uniprot/SWISSPROT;Acc:P56	Cox6b1		0	0	0,818	-1,098	0
ENSMUSG00000031818	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial precursor (Cytochrome c oxidase sub	Cox4i1		0	0	0,834	-1,27	0
ENSMUSG00000024248	Cytochrome c oxidase subunit VIIa-related protein, mitochondrial precursor (Silica-induced ge	Cox7a2l		0	0	0	-1,565	0
ENSMUSG00000016252	ATP synthase subunit epsilon, mitochondrial. [Source:Uniprot/SWISSPROT;Acc:P56382]	Atp5e	Peripheral moiety: F1 /Nucl	0	0	0	-1,298	0
ENSMUSG00000018770	ATP synthase lipid-binding protein, mitochondrial precursor (ATP synthase proteolipid P3) (AT	Atp5g3	Integral membrane compon	0	0	1,142	-1,261	0