Table S1 : Canonical pathways identified by Inguenuity Pathway Analysis™ software as significantly altered in *L. major* infected BALB/c macrophages

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Ingenuity Canonical Pathways	**AnalysisName**	**-log(p-value)**	**Ratio**	**Molecules**
Glycolysis/Gluconeogenesis	3h	5,4E00	7,04E-02	HK1, HK2, ALDH3A2, PGM1, ENO2, HK3, PFKP, PFKL, ACSL1, LDHA
Glycolysis/Gluconeogenesis	6h	8,3E00	9,86E-02	PKM2, PGM1, ENO2, PFKP, PFKL, TPI1, HK1, HK2, ALDH3A2, ALDOA, HK3, LDHA, PTGR1, ACSL1
Glycolysis/Gluconeogenesis	12h	9,71E00	9,86E-02	PGM1, ENO2, PFKP, PFKL, TPI1, HK1, GPI, HK2, PGM5, ALDOA, HK3, ACSL1, LDHA, ALDOC
Glycolysis/Gluconeogenesis	24h	1,75E00	1,41E-02	ENO2, HK3
Galactose Metabolism	3h	3,73E00	5,22E-02	HK1, HK2, PGM1, HK3, PFKP, PFKL
Galactose Metabolism	6h	5,2E00	6,96E-02	HK1, GLA, HK2, AKR1B10, PGM1, HK3, PFKP, PFKL
Galactose Metabolism	12h	4,93E00	6,09E-02	HK1, HK2, PGM5, PGM1, HK3, PFKP, PFKL
Galactose Metabolism	24h	9,82E-01	8,7E-03	HK3
Fructose and Mannose Metabolism	3h	3,38E00	4,14E-02	PFKFB3, HK1, HK2, HK3, PFKP, PFKL
Fructose and Mannose Metabolism	6h	5,68E00	6,21E-02	PFKFB3, HK1, HK2, AKR1B10, ALDOA, HK3, PFKP, PFKL, TPI1
Fructose and Mannose Metabolism	12h	6,59E00	6,21E-02	PFKFB3, HK1, HK2, ALDOA, HK3, PFKP, PFKL, TPI1, ALDOC
Fructose and Mannose Metabolism	24h	9,23E-01	6,9E-03	HK3
Arginine and Proline Metabolism	3h	2,6E00	3,28E-02	P4HA1, RARS, ALDH3A2, SMOX, GATM, P4HA2
Arginine and Proline Metabolism	6h	2,23E00	3,28E-02	P4HA1, ALDH3A2, SMOX, NOS2, GATM, P4HA2
Arginine and Proline Metabolism	12h	3,55E00	3,83E-02	P4HA1, P4HB, GOT1, SMOX, NOS2, GATM, P4HA2
Arginine and Proline Metabolism	24h	7,86E-01	5,46E-03	P4HA2
Glutathione Metabolism	3h	2,47E00	5,1E-02	GSR, LNPEP, GCLC, GCLM, IDH1
Glutathione Metabolism	6h	4,6E00	8,16E-02	GSR, PGD, GSTM5, GCLC, GCLM, GLRX, RNPEP, IDH1
Glutathione Metabolism	12h	4,39E00	7,14E-02	GSR, GSTM5, HPGDS, GCLM, GLRX, RNPEP, IDH1
Glutathione Metabolism	24h	9,07E-01	1,02E-02	GSTM5
Glutamate Metabolism	3h	2,34E00	5,13E-02	GSR, GLUL, GCLC, GCLM
Glutamate Metabolism	6h	2,08E00	5,13E-02	GSR, GLUL, GCLC, GCLM
Glutamate Metabolism	12h	3,42E00	6,41E-02	GSR, GFPT1, GLUL, GOT1, GCLM
Starch and Sucrose Metabolism	3h	2,21E00	3,05E-02	HK1, GYS1, HK2, PGM1, GBE1, HK3
Starch and Sucrose Metabolism	6h	2,58E00	3,55E-02	HK1, UGDH, GYS1, HK2, PGM1, GBE1, HK3
Starch and Sucrose Metabolism	12h	4,93E00	4,57E-02	HK1, GPI, UGDH, GYS1, HK2, PGM5, PGM1, GBE1, HK3
Starch and Sucrose Metabolism	24h	2E00	1,02E-02	GBE1, HK3
Nicotinate and Nicotinamide Metabolism	3h	1,96E00	4,41E-02	PIM1, CDK6, MAPK6, NAMPT, MAP2K3, MAP2K1
Nicotinate and Nicotinamide Metabolism	6h	7,39E-01	2,94E-02	PAK1, CDK6, NADK (includes EG:65220), MAP2K1
Nicotinate and Nicotinamide Metabolism	12h	2,11E00	4,41E-02	CDK6, MAPK6, NAMPT, NADK (includes EG:65220), MAP2K1, BST1
Methionine Metabolism	3h	1,81E00	3,75E-02	DNMT3A, MTR, MAT2A
Methionine Metabolism	6h	3,28E-01	1,25E-02	MTR
Methionine Metabolism	12h	4,1E-01	1,25E-02	MTR
Selenoamino Acid Metabolism	3h	1,62E00	3,9E-02	SEPHS2, METTL6, MAT2A
Selenoamino Acid Metabolism	6h	2,78E-01	1,3E-02	SEPHS2
Selenoamino Acid Metabolism	12h	3,56E-01	1,3E-02	SEPHS2
Pentose Phosphate Pathway	3h	1,56E00	3,37E-02	PGM1, PFKP, PFKL
Pentose Phosphate Pathway	6h	2,99E00	5,62E-02	PGD, PGM1, ALDOA, PFKP, PFKL
Pentose Phosphate Pathway	12h	5,69E00	7,87E-02	GPI, PGM5, PGM1, ALDOA, PFKP, PFKL, ALDOC
Inositol Phosphate Metabolism	3h	1,45E00	3,41E-02	PIM1, CDK6, MAPK6, MAP2K3, PIK3CD, MAP2K1
Inositol Phosphate Metabolism	6h	3,18E00	5,68E-02	PLCB2, PAK1, PLCG2, PIKFYVE, CDK6, PIK3CD, INPP5K, PIP4K2A, MAP2K1, INPP5D
Inositol Phosphate Metabolism	12h	1,12E00	2,84E-02	CDK6, MAPK6, IMPA2, PIK3CB, MAP2K1
One Carbon Pool by Folate	3h	1,35E00	5,13E-02	MTR, MTHFD1L
One Carbon Pool by Folate	6h	2,15E00	7,69E-02	EHD4, MTR, MTHFD1L
One Carbon Pool by Folate	12h	1,41E00	5,13E-02	MTR, MTHFD1L
Inositol Metabolism	3h	1,18E00	4,08E-02	POR, HMOX1, ERO1L, DEGS1
Inositol Metabolism	6h	2,01E00	6,12E-02	HMOX1, CXORF21, ALDOA, ERO1L, TPI1, FADS1
Inositol Metabolism	12h	3,27E00	7,14E-02	HMOX1, ALDOA, ERO1L, TPI1, FADS1, FZD7, ALDOC
Histidine Metabolism	3h	1,15E00	2,5E-02	ALDH3A2, METTL6, SMOX
Histidine Metabolism	6h	4,98E-01	1,67E-02	ALDH3A2, SMOX
Histidine Metabolism	12h	2,27E-01	8,33E-03	SMOX
N-Glycan Degradation	3h	1,01E00	6,25E-02	MAN2A2, ENGASE
N-Glycan Degradation	6h	2,48E00	1,25E-01	MAN1C1, MAN2B1, MAN2A2, ENGASE
N-Glycan Degradation	12h	2,87E00	1,25E-01	MAN1C1, MAN2B1, MAN2A2, ENGASE
O-Glycan Biosynthesis	3h	9,62E-01	4,26E-02	GCNT1, ST3GAL1
O-Glycan Biosynthesis	6h	3,06E-01	2,13E-02	GCNT1
Propanoate Metabolism	3h	9,52E-01	2,31E-02	ALDH3A2, ACSL1, LDHA
Propanoate Metabolism	6h	7,9E-01	2,31E-02	ALDH3A2, ACSL1, LDHA
Propanoate Metabolism	12h	5,31E-01	1,54E-02	ACSL1, LDHA
Aminosugars Metabolism	3h	9,07E-01	2,46E-02	HK1, HK2, HK3
Aminosugars Metabolism	6h	7,48E-01	2,46E-02	HK1, HK2, HK3
Aminosugars Metabolism	12h	3,87E00	5,74E-02	HK1, GFPT1, HK2, PDE3B, PDE1B, CYB5R3, HK3
Aminosugars Metabolism	24h	8,32E-01	8,2E-03	HK3
Lysine Degradation	3h	8,84E-01	2,14E-02	CNDP2, ALDH3A2, DOT1L, MMP13, CASP4
Lysine Degradation	6h	4,04E-01	1,71E-02	CNDP2, ALDH3A2, DOT1L, MMP13
Lysine Degradation	12h	3,45E-01	1,28E-02	PLOD2, DOT1L, MMP13
Lysine Degradation	24h	5,31E-01	4,27E-03	DOT1L
Pyruvate Metabolism	3h	8,25E-01	2,01E-02	ALDH3A2, ACSL1, LDHA
Pyruvate Metabolism	6h	2,29E00	4,03E-02	GRHPR, PKM2, ALDH3A2, AKR1B10, ACSL1, LDHA
Pyruvate Metabolism	12h	8,96E-01	2,01E-02	HAGH, ACSL1, LDHA
Glycosphingolipid Biosynthesis - Lactoseries	3h	8,03E-01	3,7E-02	ST3GAL1
Bile Acid Biosynthesis	3h	7,61E-01	2E-02	CYP27A1, ALDH3A2
Bile Acid Biosynthesis	6h	1,22E00	3E-02	CYP27A1, ALDH3A2, PTGR1
Bile Acid Biosynthesis	12h	2,96E-01	1E-02	CYP27A1
Nitrogen Metabolism	3h	7,28E-01	1,5E-02	GLUL, ASNS
Nitrogen Metabolism	6h	6,15E-01	1,5E-02	GLUL, ASNS
Nitrogen Metabolism	12h	2,82E-01	7,52E-03	GLUL
Tryptophan Metabolism	3h	7,03E-01	1,57E-02	ALDH3A2, METTL6, SMOX, PTGS2
Tryptophan Metabolism	6h	2,86E-01	1,18E-02	ALDH3A2, SMOX, PTGS2
Tryptophan Metabolism	12h	4,46E-01	1,18E-02	CAT, SMOX, PTGS2
Keratan Sulfate Biosynthesis	3h	6,82E-01	3,64E-02	ST3GAL1, B4GALT5
Keratan Sulfate Biosynthesis	12h	2,62E-01	1,82E-02	WDFY3
Keratan Sulfate Biosynthesis	24h	9,82E-01	1,82E-02	WDFY3
Glycerolipid Metabolism	3h	6,28E-01	1,92E-02	AGPAT5, ALDH3A2, PPAP2B
Glycerolipid Metabolism	6h	1,82E00	3,85E-02	GLA, ALDH3A2, PPAP2B, AKR1B10, PNPLA2, PTGR1
Glycerolipid Metabolism	12h	3,36E-01	1,28E-02	PPAP2B, APOC2
Folate Biosynthesis	3h	6,05E-01	1,25E-02	GCH1
Folate Biosynthesis	6h	5,4E-01	1,25E-02	GCH1
N-Glycan Biosynthesis	3h	6,03E-01	2,15E-02	MAN2A2, B4GALT5
N-Glycan Biosynthesis	6h	9,74E-01	3,23E-02	MAN1C1, WDFY3, MAN2A2
N-Glycan Biosynthesis	12h	1,23E00	3,23E-02	MAN1C1, WDFY3, MAN2A2
N-Glycan Biosynthesis	24h	9,31E-01	1,08E-02	WDFY3
Glyoxylate and Dicarboxylate Metabolism	3h	5,59E-01	8,55E-03	MTHFD1L
Glyoxylate and Dicarboxylate Metabolism	6h	1,26E00	1,71E-02	GRHPR, MTHFD1L
Glyoxylate and Dicarboxylate Metabolism	12h	5,87E-01	8,55E-03	MTHFD1L
Phenylalanine, Tyrosine and Tryptophan Biosynthesis	3h	5,38E-01	1,49E-02	ENO2
Phenylalanine, Tyrosine and Tryptophan Biosynthesis	6h	4,75E-01	1,49E-02	ENO2
Phenylalanine, Tyrosine and Tryptophan Biosynthesis	12h	1,41E00	2,99E-02	ENO2, GOT1
Phenylalanine, Tyrosine and Tryptophan Biosynthesis	24h	1,37E00	1,49E-02	ENO2
Tyrosine Metabolism	3h	4,68E-01	9,9E-03	METTL6, SMOX
Tyrosine Metabolism	6h	3,75E-01	9,9E-03	SMOX, PTGR1
Tyrosine Metabolism	12h	5,13E-01	9,9E-03	GOT1, SMOX
Glycine, Serine and Threonine Metabolism	3h	4,43E-01	1,33E-02	SMOX, GATM
Glycine, Serine and Threonine Metabolism	6h	1,77E00	3,33E-02	GRHPR, PLCB2, PLCG2, SMOX, GATM
Glycine, Serine and Threonine Metabolism	12h	9,51E-01	2E-02	GOT1, SMOX, GATM
Glycosphingolipid Biosynthesis - Globoseries	3h	4,22E-01	2,17E-02	ST3GAL1
Glycosphingolipid Biosynthesis - Globoseries	6h	3,64E-01	2,17E-02	GLA
Ascorbate and Aldarate Metabolism	3h	4,22E-01	1,16E-02	ALDH3A2
Ascorbate and Aldarate Metabolism	6h	3,64E-01	1,16E-02	ALDH3A2
Glycerophospholipid Metabolism	3h	4,04E-01	1,55E-02	HMOX1, AGPAT5, PPAP2B
Glycerophospholipid Metabolism	6h	1,27E00	3,11E-02	HMOX1, PLA2G4A, PLCB2, LPCAT2, PLCG2, PPAP2B
Glycerophospholipid Metabolism	12h	1,23E00	2,59E-02	HMOX1, PLA2G4A, LPCAT2, PPAP2B, GOT1
Glycerophospholipid Metabolism	24h	5,94E-01	5,18E-03	LPCAT2
Aminophosphonate Metabolism	3h	3,84E-01	1,54E-02	METTL6
Glycosphingolipid Biosynthesis - Ganglioseries	3h	3,73E-01	1,54E-02	ST3GAL1
Citrate Cycle	3h	3,62E-01	1,69E-02	IDH1
Citrate Cycle	6h	3,06E-01	1,69E-02	IDH1
Citrate Cycle	12h	1,02E00	3,39E-02	IDH3G, IDH1
Biosynthesis of Steroids	3h	3,62E-01	7,81E-03	SQLE
Biosynthesis of Steroids	12h	3,87E-01	7,81E-03	EBP
Urea Cycle and Metabolism of Amino Groups	3h	3,51E-01	1,25E-02	GATM
Urea Cycle and Metabolism of Amino Groups	6h	2,97E-01	1,25E-02	GATM
Urea Cycle and Metabolism of Amino Groups	12h	9,94E-01	2,5E-02	CAT, GATM
Phospholipid Degradation	3h	3,38E-01	1,89E-02	HMOX1, PPAP2B
Phospholipid Degradation	6h	1,43E00	4,72E-02	HMOX1, PLA2G4A, PLCB2, PLCG2, PPAP2B
Phospholipid Degradation	12h	7,64E-01	2,83E-02	HMOX1, PLA2G4A, PPAP2B
Phenylalanine Metabolism	3h	3,31E-01	9,17E-03	SMOX
Phenylalanine Metabolism	6h	7,73E-01	1,83E-02	PRDX1, SMOX
Phenylalanine Metabolism	12h	9,49E-01	1,83E-02	GOT1, SMOX
Glycosaminoglycan Degradation	3h	3,22E-01	2,78E-02	SGSH, HYAL1
Glycosaminoglycan Degradation	6h	7,53E-01	4,17E-02	SGSH, HYAL1, SULF2
Aminoacyl-tRNA Biosynthesis	3h	2,96E-01	1,2E-02	RARS
Alanine and Aspartate Metabolism	3h	2,73E-01	1,14E-02	ASNS
Alanine and Aspartate Metabolism	6h	2,24E-01	1,14E-02	ASNS
Alanine and Aspartate Metabolism	12h	8,13E-01	2,27E-02	ADSSL1, GOT1
Chondroitin Sulfate Biosynthesis	3h	2,46E-01	1,49E-02	CHSY1
Chondroitin Sulfate Biosynthesis	6h	2E-01	1,49E-02	DSE
Cysteine Metabolism	3h	2,4E-01	1,11E-02	LDHA
Cysteine Metabolism	12h	7,33E-01	2,22E-02	GOT1, LDHA
Fatty Acid Metabolism	3h	2,28E-01	1,04E-02	ALDH3A2, ACSL1
Fatty Acid Metabolism	6h	3,77E-01	1,56E-02	ALDH3A2, PTGR1, ACSL1
β-alanine Metabolism	3h	2,17E-01	1,02E-02	ALDH3A2
Arachidonic Acid Metabolism	6h	8,88E-01	2,2E-02	PLA2G4A, PTGES, PTGES3 (includes EG:10728), PTGS1, PTGS2
Arachidonic Acid Metabolism	12h	1,24E00	2,2E-02	PLA2G4A, PTGES, PTGS1, HPGDS, PTGS2
Linoleic Acid Metabolism	6h	2,86E-01	1,61E-02	PLA2G4A, FADS1
Linoleic Acid Metabolism	12h	4,1E-01	1,61E-02	PLA2G4A, FADS1
Sphingolipid Metabolism	6h	1,07E00	3,57E-02	GLA, PPAP2B, SGPP1, SULF2
Oxidative Phosphorylation	6h	2,77E-01	1,8E-02	ATP6V1E1, ATP6V1H, ATP6V1C1
Purine Metabolism	6h	5,14E-01	1,82E-02	PKM2, RP2, ENTPD1, ABCC1, ATF7IP, AK3L1, CASK, ATP13A2
Purine Metabolism	12h	4,25E-01	1,37E-02	ADSSL1, ENTPD1, PDE3B, ABCC1, PDE1B, IFNAR1
Purine Metabolism	24h	2,98E-01	2,28E-03	ENTPD1
Pyrimidine Metabolism	6h	1,03E00	2,6E-02	RP2, ENTPD1, EHD4, AK3L1, TXN, TXNRD1
Pyrimidine Metabolism	24h	5,39E-01	4,33E-03	ENTPD1
Nucleotide Sugars Metabolism	6h	5,65E-01	1,35E-02	UGDH
Nucleotide Sugars Metabolism	12h	6,61E-01	1,35E-02	UGDH
Metabolism of Xenobiotics by Cytochrome P450	6h	2,53E-01	9,57E-03	GSTM5, PTGR1
Metabolism of Xenobiotics by Cytochrome P450	12h	3,71E-01	9,57E-03	GSTM5, HPGDS
Metabolism of Xenobiotics by Cytochrome P450	24h	7,35E-01	4,78E-03	GSTM5
Methane Metabolism	6h	5,4E-01	1,52E-02	PRDX1
Methane Metabolism	12h	6,35E-01	1,52E-02	CAT
Riboflavin Metabolism	6h	9,99E-01	3,64E-02	ACP5, SGPP1
C21-Steroid Hormone Metabolism	12h	5,28E-01	1,41E-02	EBP
Pentose and Glucuronate Interconversions	6h	8,39E-01	1,32E-02	UGDH, AKR1B10
Pentose and Glucuronate Interconversions	12h	3,87E-01	6,62E-03	UGDH
Stilbene, Coumarine and Lignin Biosynthesis	6h	4,06E-01	1,28E-02	PRDX1