

S3 Table. Selected miR-34a target genes

GeneName	Description	Accession*	Fold change (versus control)			Fold change (versus LPS)	
			LPS	CBD	THC	CBD + LPS	THC + LPS
Immune response and inflammation							
<i>Il6</i>	interleukin 6	MGI:96559	158.8	3.1	0.3	0.5	0.5
<i>Tnf</i>	tumor necrosis factor	MGI:104798	41.1	0.9	1.1	0.7	0.7
Signal transduction							
<i>Il6st</i>	interleukin 6 signal transducer	MGI:96560	0.4	1.0	1.1	1.2	1.2
<i>Axl</i>	AXL receptor tyrosine kinase	MGI:1347244	1.4	3.6	0.5	1.1	1.1
Stress response							
<i>Ddit4</i>	DNA-damage-inducible transcript 4	MGI:1921997	0.5	13.2	1.0	22.8	2.6
<i>Ndrp1</i>	N-myc downstream regulated gene 1	MGI:1341799	0.6	9.6	0.8	5.5	2.3
<i>Slc7a11/xCT</i>	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	MGI:1347355	1.6	1.4	1.0	2.0	1.1
Notch signaling							
<i>Notch1</i>	notch 1	MGI:97363	6.6	1.3	1.1	1.0	1.1
<i>Notch2</i>	notch 2	MGI:97364	2.0	1.0	1.1	1.2	0.9
<i>Dll1</i>	delta-like 1 (Drosophila)	MGI:104659	60.6	11.2	1.9	0.8	0.9
Cell cycle							
<i>Ccnd1</i>	cyclin D1	MGI:88313	0.3	0.5	0.9	0.4	1.2
<i>Ccne2</i>	cyclin E2	MGI:1329034	0.6	0.5	0.9	0.7	1.0
<i>Cdkn1a/p21</i>	cyclin-dependent kinase inhibitor 1A (P21)	MGI:104556	7.4	3.3	0.6	1.5	0.8
<i>Cdc25a</i>	cell division cycle 25A	MGI:103198	0.8	0.6	0.8	0.6	1.0
<i>E2f5</i>	E2F transcription factor 5	MGI:105091	0.9	0.5	1.2	0.8	1.0
Interferon regulated							
<i>Ifnb1</i>	interferon beta 1, fibroblast	MGI:107657	76.0	4.3	0.4	0.4	0.4
Proinflammatory chemokines							
<i>Ccl22</i>	chemokine (C-C motif) ligand 22	MGI:1306779	10.1	0.9	0.6	0.1	0.6

Lipid signaling and metabolism

Lpin1 lipin 1 MGI:1891340 0.1 2.3 0.8 3.0 2.0

TGF- β signaling

Tgfb2 TGFB-induced factor homeobox 2 MGI:1915299 0.5 0.8 0.9 0.7 1.1

Regulation of transcription

Foxp1 forkhead box P1 MGI:1914004 2.2 0.8 1.1 0.8 0.8

Trp53inp1 transformation related protein 53 inducible nuclear protein 1 MGI:1926609 1.1 2.2 0.9 1.1 1.2

Hes2 hairy and enhancer of split 2 (Drosophila) MGI:1098624 0.7 1.8 1.4 0.4 1.0

Rela v-rel reticuloendotheliosis viral oncogene homolog A (avian) MGI:103290 1.7 1.3 1.0 1.4 1.0

Rora RAR-related orphan receptor alpha MGI:104661 0.8 2.5 0.9 2.9 1.4

Apoptosis

Gas1 growth arrest specific 1 MGI:95655 2.8 1.4 1.6 2.0 2.6

Mdm2 transformed mouse 3T3 cell double minute 2 MGI:96952 2.1 1.5 1.0 1.8 1.0

Pdgfrb platelet derived growth factor receptor, beta polypeptide MGI:97531 2.4 1.2 0.8 0.8 0.8

Src Rous sarcoma oncogene MGI:98397 5.3 1.5 1.0 1.2 0.9

NF- κ B signaling

Nfkb1 nuclear factor of kappa light polypeptide gene enhancer in B cells 1, p105 MGI:97312 5.3 1.0 1.0 0.9 0.8

Membrane transport and secretion

Cnnm3 cyclin M3 MGI:2151055 0.5 1.1 1.1 1.2 1.2

Aqp9 aquaporin 9 MGI:1891066 1.6 9.9 0.7 9.6 1.6

Senescence

Hbp1 high mobility group box transcription factor 1 MGI:894659 1.9 1.7 1.1 1.3 1.0

Wnt signaling

Wnt1 wingless-related MMTV integration site 1 MGI:98953 0.9 1.2 0.9 0.6 0.7

* Accession number available at Mouse Genome Informatics (MGI): <http://www.informatics.jax.org/>