

**S2 Table. Selected miR-155 target genes**

Gene Name	Description	Accession*	Fold change (versus control)			Fold change (versus LPS)	
			LPS	CBD	THC	CBD + LPS	THC + LPS
<b>Immune response and inflammation</b>							
<i>Il6ra</i>	interleukin 6 receptor, alpha	MGI:105304	0.3	0.7	0.9	1.0	1.3
<i>Mr1</i>	major histocompatibility complex, class I-related	MGI:1195463	0.5	1.9	0.6	0.6	1.0
<b>TLR signaling</b>							
<i>Irak3</i>	interleukin-1 receptor-associated kinase 3	MGI:1921164	5.5	1.1	1.0	0.5	0.8
<i>Ikbke</i>	inhibitor of kappaB kinase epsilon	MGI:1929612	8.7	1.1	0.9	0.9	0.8
<i>Inpp5d/Ship1</i>	inositol polyphosphate-5-phosphatase D	MGI:107357	0.4	0.7	1.0	0.8	1.3
<b>Signal transduction</b>							
<i>Cish</i>	cytokine inducible SH2-containing protein	MGI:103159	38.5	1.5	0.7	0.8	0.7
<i>Socs1</i>	suppressor of cytokine signaling 1	MGI:1354910	20.6	1.6	0.6	1.0	0.8
<b>Apoptosis</b>							
<i>Cflar</i>	CASP8 and FADD-like apoptosis regulator	MGI:1336166	7.6	2.0	1.0	1.1	0.8
<b>Stress response</b>							
<i>Hmox1</i>	heme oxygenase (decycling) 1	MGI:96163	0.7	3.0	1.2	9.4	2.6
<i>Bach1</i>	BTB and CNC homology 1	MGI:894680	0.8	1.4	1.0	1.8	1.1
<b>Cell cycle - transcription factor</b>							
<i>E2f2</i>	E2F transcription factor 2	MGI:1096341	0.3	1.4	0.8	1.0	1.3
<b>Regulation of transcription</b>							
<i>Nfe2l2/Nrf2</i>	nuclear factor, erythroid derived 2, like 2	MGI:108420	1.9	0.9	1.1	0.9	0.9
<i>Cebpb</i>	CCAAT/enhancer binding protein (C/EBP), beta	MGI:88373	3.1	1.8	1.1	1.8	1.2
<i>Etv3</i>	ets variant gene 3	MGI:1350926	3.0	1.1	1.1	1.2	0.9
<i>Spi1</i>	spleen focus forming virus (SFFV) proviral integration oncogene	MGI:98282	2.7	0.9	1.0	0.9	0.8
<i>Maff</i>	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein F (avian)	MGI:96910	2.3	1.2	1.0	1.1	1.0
<i>Trp53inp1</i>	transformation related protein 53 inducible nuclear protein 1	MGI:1926609	1.1	2.2	0.9	1.1	1.2

<i>Mafb</i>	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein B (avian)	MGI:104555	1.0	0.5	0.9	0.2	0.2
<i>Rora</i>	RAR-related orphan receptor alpha	MGI:104661	0.8	2.5	0.9	2.9	1.4
<i>Zfp652</i>	zinc finger protein 652	MGI:2442221	0.5	1.1	1.0	1.2	1.2
<i>Fos</i>	FBJ osteosarcoma oncogene	MGI:95574	0.5	0.4	0.5	0.2	0.8
<i>Nfatc2</i>	nuclear factor of activated T cells, cytoplasmic, calcineurin dependent 2	MGI:102463	0.3	0.7	1.0	0.7	1.3
<b>Notch signaling</b>							
<i>Notch2</i>	notch 2	MGI:97364	2.0	1.0	1.1	1.2	0.9
<i>Tspan14</i>	tetraspanin 14	MGI:1196325	0.5	0.8	1.0	0.8	1.0
<b>Lipid signaling and metabolism</b>							
<i>Lpin1</i>	lipin 1	MGI:1891340	0.1	2.3	0.8	3.0	2.0
<i>S1pr1</i>	sphingosine-1-phosphate receptor 1	MGI:1096355	0.3	1.5	1.2	1.0	1.3
<b>TOR signaling</b>							
<i>Rictor</i>	RPTOR independent companion of MTOR, complex 2	MGI:1926007	2.4	1.0	1.1	0.9	0.8
<b>Membrane transport and secretion</b>							
<i>Slc30a1</i>	solute carrier family 30 (zinc transporter), member 1	MGI:1345281	0.8	3.3	1.2	5.0	1.8
<i>Chrna2</i>	cholinergic receptor, nicotinic, alpha polypeptide 2 (neuronal)	MGI:87886	3.1	0.5	1.3	0.5	0.9
<b>Adhesion and migration</b>							
<i>Ptprj</i>	protein tyrosine phosphatase, receptor type, J	MGI:104574	6.6	0.7	1.3	0.9	0.8
<b>Metabolic</b>							
<i>Cpd</i>	carboxypeptidase D	MGI:107265	4.5	0.9	1.1	0.7	0.9
<i>Agtrap</i>	angiotensin II, type I receptor-associated protein	MGI:1339977	2.0	1.4	0.9	1.0	1.0
<b>Purine and pyrimidine metabolism</b>							
<i>Aicda/Aid</i>	activation-induced cytidine deaminase	MGI:1342279	0.2	1.6	0.8	0.5	1.0

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