

Supplementary table 3. Genes whose expression was more than 1.5 times lower than that in the control group, following treatment with the AM18W-13a extract for 24 h.

Gene Symbol	Gene Name	Ratio	
		1h	24h
<i>Afp</i>	alpha fetoprotein	1.01	0.29
<i>Trem14</i>	triggering receptor expressed on myeloid cells-like 4	0.99	0.19
<i>Hmox1</i>	heme oxygenase (decycling) 1	1.34	0.31
<i>Gsta3</i>	glutathione S-transferase, alpha 3	1.13	0.40
<i>Ptgs2</i>	prostaglandin-endoperoxide synthase 2	1.12	0.39
<i>Slc40a1</i>	solute carrier family 40 (iron-regulated transporter), member 1	0.99	0.26
<i>Slc7a11</i>	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	0.88	0.30
<i>Blvrb</i>	biliverdin reductase B (flavin reductase (NADPH))	0.93	0.29
<i>Slc7a1</i>	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	0.93	0.49
<i>Gclm</i>	glutamate-cysteine ligase, modifier subunit	1.01	0.27
<i>Akr1b8</i>	aldo-keto reductase family 1, member B8	1.02	0.28
<i>Fcrl1</i>	Fc receptor-like 1	0.97	0.40
<i>Adh7</i>	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	1.00	0.37
<i>Procr</i>	protein C receptor, endothelial	0.87	0.32
<i>Ptgir</i>	prostaglandin I receptor (IP)	0.91	0.44
<i>Srxn1</i>	sulfiredoxin 1 homolog (<i>S. cerevisiae</i>)	0.95	0.40

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Gene Symbol	Gene Name	Ratio	
		1h	24h
<i>Ccl3</i>	chemokine (C-C motif) ligand 3	1.12	0.34
<i>Pcx</i>	pyruvate carboxylase	1.00	0.52
<i>Layn</i>	layilin	0.98	0.43
<i>Clec4n</i>	C-type lectin domain family 4, member n	0.92	0.41
<i>Dusp4</i>	dual specificity phosphatase 4	0.92	0.39
<i>Dnmt3l</i>	DNA (cytosine-5-)-methyltransferase 3-like	1.13	0.39
<i>Gbe1</i>	glucan (1,4-alpha-), branching enzyme 1	1.12	0.40
<i>Nrp1</i>	neuropilin 1	0.98	0.45
<i>Plk2</i>	polo-like kinase 2	1.01	0.39
<i>Gstp1</i>	glutathione S-transferase, pi 1	1.01	0.46
<i>Hs3st3b1</i>	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	1.12	0.44
<i>Cd36</i>	CD36 antigen	0.98	0.41
<i>Gsr</i>	glutathione reductase	0.95	0.46
<i>Dcstamp</i>	dentocyte expressed seven transmembrane protein	1.05	0.46
<i>Serp1b1b</i>	serine (or cysteine) peptidase inhibitor, clade B, member 1b	1.07	0.51
<i>Rnf128</i>	ring finger protein 128	0.97	0.50
<i>Serp1b9</i>	serine (or cysteine) peptidase inhibitor, clade B, member 9	1.03	0.47

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Gene Symbol	Gene Name	Ratio	
		1h	24h
<i>Cat</i>	catalase	0.92	0.51
<i>Mfap3l</i>	microfibrillar-associated protein 3-like	1.11	0.52
<i>Serpine1</i>	serine (or cysteine) peptidase inhibitor, clade E, member 1	1.14	0.44
<i>Esd</i>	esterase D/formylglutathione hydrolase	0.91	0.47
<i>Glrx</i>	glutaredoxin	0.91	0.53
<i>Prkar2b</i>	protein kinase, cAMP dependent regulatory, type II beta	1.02	0.52
<i>Slc11a1</i>	solute carrier family 11 (proton-coupled divalent metal ion transporters), membe	0.90	0.47
<i>Flrt2</i>	fibronectin leucine rich transmembrane protein 2	1.04	0.47
<i>Ccl4</i>	chemokine (C-C motif) ligand 4	1.12	0.43
<i>Fosl1</i>	fos-like antigen 1	1.11	0.43
<i>Fkbp11</i>	FK506 binding protein 11	1.04	0.48
<i>Slc48a1</i>	solute carrier family 48 (heme transporter), member 1	1.01	0.50
<i>Ehd1</i>	EH-domain containing 1	0.92	0.55
<i>Plaur</i>	plasminogen activator, urokinase receptor	0.92	0.46
<i>Dmwd</i>	dystrophia myotonica-containing WD repeat motif	0.91	0.51
<i>Lpl</i>	lipoprotein lipase	0.87	0.48
<i>Jag1</i>	jagged 1	0.91	0.48

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Gene Symbol	Gene Name	Ratio	
		1h	24h
<i>Tfrc</i>	transferrin receptor	0.97	0.53
<i>Msantd3</i>	Myb/SANT-like DNA-binding domain containing 3	0.89	0.56
<i>Slpi</i>	secretory leukocyte peptidase inhibitor	1.01	0.52
<i>Trem3</i>	triggering receptor expressed on myeloid cells 3	0.97	0.57
<i>Gfpt1</i>	glutamine fructose-6-phosphate transaminase 1	1.05	0.51
<i>Txnrd1</i>	thioredoxin reductase 1	0.95	0.56
<i>Creg1</i>	cellular repressor of E1A-stimulated genes 1	0.92	0.55
<i>Flt1</i>	FMS-like tyrosine kinase 1	1.03	0.54
<i>Igf2bp2</i>	insulin-like growth factor 2 mRNA binding protein 2	1.00	0.50
<i>S100a8</i>	S100 calcium binding protein A8 (calgranulin A)	1.06	0.53
<i>Plau</i>	plasminogen activator, urokinase	0.99	0.53
<i>Msr1</i>	macrophage scavenger receptor 1	0.81	0.58
<i>Pip5k1b</i>	phosphatidylinositol-4-phosphate 5-kinase, type 1 beta	0.98	0.58
<i>Gch1</i>	GTP cyclohydrolase 1	1.02	0.54
<i>Hmga2</i>	high mobility group AT-hook 2	0.97	0.54
<i>Slc16a3</i>	solute carrier family 16 (monocarboxylic acid transporters), member 3	1.12	0.58
<i>Abcc1</i>	ATP-binding cassette, sub-family C (CFTR/MRP), member 1	1.08	0.54

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Gene Symbol	Gene Name	Ratio	
		1h	24h
<i>Cdr2</i>	cerebellar degeneration-related 2	1.02	0.57
<i>Ninj1</i>	ninjurin 1	0.83	0.56
<i>Tubb2a</i>	tubulin, beta 2A class IIA	0.97	0.57
<i>Pdgfb</i>	platelet derived growth factor, B polypeptide	1.12	0.53
<i>Phlda1</i>	pleckstrin homology-like domain, family A, member 1	1.04	0.56
<i>Spink5</i>	serine peptidase inhibitor, Kazal type 5	0.94	0.47
<i>Tmem26</i>	transmembrane protein 26	1.10	0.51
<i>Gpr84</i>	G protein-coupled receptor 84	0.77	0.53
<i>Pcdh7</i>	protocadherin 7	1.01	0.56
<i>Irg1</i>	immunoresponsive gene 1	0.94	0.48
<i>Lrp8</i>	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	0.90	0.57
<i>Slc2a1</i>	solute carrier family 2 (facilitated glucose transporter), member 1	1.03	0.58
<i>Aldh1l2</i>	aldehyde dehydrogenase 1 family, member L2	1.23	0.54
<i>Tnf</i>	tumor necrosis factor	0.68	0.56
<i>Ppap2a</i>	phosphatidic acid phosphatase type 2A	0.84	0.54
<i>Cbr3</i>	carbonyl reductase 3	0.92	0.59

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Gene Symbol	Gene Name	Ratio	
		1h	24h
<i>Mthfd2</i>	methylenetetrahydrofolate dehydrogenase (NAD ⁺ dependent), methenyltetrahydrofola	1.00	0.54
<i>Rgs1</i>	regulator of G-protein signaling 1	1.70	0.51
<i>Pdlim7</i>	PDZ and LIM domain 7	1.09	0.59
<i>Creld2</i>	cysteine-rich with EGF-like domains 2	0.82	0.56

The values indicate the average of results obtained from independent experiments performed in duplicate or triplicate.