

Supplementary table 2. Genes whose expression was 1.5 times higher than that in the expression in the control group, following treatment with the AM18W-13a extract for 24 h.

Gene Symbol	Gene Name	Ratio	
		1h	24h
<i>Npc2</i>	Niemann Pick type C2	0.89	2.41
<i>Ago4</i>	argonaute RISC catalytic subunit 4	0.99	1.87
<i>St6gal1</i>	beta galactoside alpha 2,6 sialyltransferase 1	1.02	2.35
<i>Dbp</i>	D site albumin promoter binding protein	0.97	1.97
<i>Cxcr4</i>	chemokine (C-X-C motif) receptor 4	0.95	1.99
<i>Gnpda1</i>	glucosamine-6-phosphate deaminase 1 pseudogene /// glucosamine-6-phosphate deami	0.87	2.05
<i>Apoc2</i>	apolipoprotein C-II	0.91	1.94
<i>Tsc22d1</i>	TSC22 domain family, member 1	0.95	1.84
<i>Trp53inp1</i>	transformation related protein 53 inducible nuclear protein 1	1.03	2.61
<i>Pdcd4</i>	programmed cell death 4	1.01	2.47
<i>Lgals9</i>	lectin, galactose binding, soluble 9	1.02	2.03
<i>Cxcl16</i>	chemokine (C-X-C motif) ligand 16	1.00	1.72
<i>Usp18</i>	ubiquitin specific peptidase 18	1.06	2.26
<i>Rnasel</i>	ribonuclease L (2', 5'-oligoadenylate synthetase-dependent)	1.09	2.30
<i>Hmgcs1</i>	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1	0.95	1.68

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Gene Symbol	Gene Name	Ratio	
		1h	24h
<i>Pnpla7</i>	patatin-like phospholipase domain containing 7	0.93	1.95
<i>Hpgd</i>	hydroxyprostaglandin dehydrogenase 15 (NAD)	0.91	2.17
<i>Sesn1</i>	sestrin 1	0.92	1.76
<i>Cyp4v3</i>	cytochrome P450, family 4, subfamily v, polypeptide 3	0.97	1.88
<i>Mxd4</i>	Max dimerization protein 4	1.07	2.12
<i>Cd33</i>	CD33 antigen	0.93	2.11
<i>Ms4a6c</i>	membrane-spanning 4-domains, subfamily A, member 6C	1.00	1.90
<i>Slc5a3</i>	solute carrier family 5 (inositol transporters), member 3	1.02	1.69
<i>Fcgr3</i>	Fc receptor, IgG, low affinity III	0.90	2.07
<i>Ifi2712a</i>	interferon, alpha-inducible protein 27 like 2A	1.07	2.09
<i>Deptor</i>	DEP domain containing MTOR-interacting protein	0.96	1.73
<i>Cd28</i>	CD28 antigen	0.93	1.86
<i>Clec7a</i>	C-type lectin domain family 7, member a	1.02	2.00
<i>Aph1b</i>	anterior pharynx defective 1b homolog (C. elegans)	0.84	1.97
<i>Ptplad2</i>	protein tyrosine phosphatase-like A domain containing 2	0.93	1.98
<i>Wfdc17</i>	extracellular peptidase inhibitor-like /// WAP four-disulfide core domain 17	1.02	1.83
<i>Ranbp3l</i>	RAN binding protein 3-like	1.08	1.82
<i>Rab11fip5</i>	RAB11 family interacting protein 5 (class I)	0.97	1.72

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Gene Symbol	Gene Name	Ratio	
		1h	24h
<i>Plxnc1</i>	plexin C1	1.03	1.84
<i>Ypel2</i>	yippee-like 2 (Drosophila)	0.91	1.78
<i>Ms4a6b</i>	membrane-spanning 4-domains, subfamily A, member 6B	0.95	1.88
<i>Lyst</i>	lysosomal trafficking regulator	0.97	1.77
<i>Mafb</i>	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein B (avian)	1.07	1.93
<i>Klhl24</i>	kelch-like 24	1.00	2.02
<i>BB163080</i>	expressed sequence BB163080	0.94	1.95
<i>Tgfbri</i>	transforming growth factor, beta receptor I	1.08	1.84
<i>Atp6v0d2</i>	ATPase, H ⁺ transporting, lysosomal V0 subunit D2	0.94	1.87
<i>S1pr1</i>	sphingosine-1-phosphate receptor 1	1.02	2.12
<i>Scel</i>	sciellin	0.91	1.84
<i>Blnk</i>	B cell linker	0.99	1.87
<i>Tcp1l12</i>	t-complex 11 (mouse) like 2	0.98	2.05
<i>Id3</i>	inhibitor of DNA binding 3	0.99	1.79
<i>Bbip1</i>	BBSome interacting protein 1	1.03	2.07
<i>Rnf144b</i>	ring finger protein 144B	0.99	1.65

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Gene Symbol	Gene Name	Ratio	
		1h	24h
<i>Btg2</i>	B cell translocation gene 2, anti-proliferative	0.94	1.69
<i>Il10ra</i>	interleukin 10 receptor, alpha	0.79	1.78
<i>Tsc22d3</i>	TSC22 domain family, member 3	1.02	1.75
<i>Hebp1</i>	heme binding protein 1	1.01	1.75
<i>Rnase4</i>	ribonuclease, RNase A family 4	1.02	1.75
<i>Rnf180</i>	ring finger protein 180	0.92	1.73
<i>Gas6</i>	growth arrest specific 6	0.93	1.74
<i>Apobec1</i>	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1	1.04	1.69
<i>Tifab</i>	TRAF-interacting protein with forkhead-associated domain, family member B	0.97	1.76
<i>Ltc4s</i>	leukotriene C4 synthase	1.01	1.84
<i>Fam214a</i>	family with sequence similarity 214, member A	0.96	1.78
<i>Ctsf</i>	cathepsin F	1.00	1.69
<i>Ifi204</i>	interferon activated gene 204	0.98	1.73
<i>Pik3ip1</i>	phosphoinositide-3-kinase interacting protein 1	0.99	1.62
<i>C3ar1</i>	complement component 3a receptor 1	1.00	1.70
<i>Ifi44</i>	interferon-induced protein 44	1.00	1.82

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Gene Symbol	Gene Name	Ratio	
		1h	24h
<i>Arl4c</i>	ADP-ribosylation factor-like 4C	0.99	1.64
<i>Zbtb4</i>	zinc finger and BTB domain containing 4	0.99	1.62
<i>Ipo11</i>	importin 11	1.03	1.71
<i>Epsti1</i>	epithelial stromal interaction 1 (breast)	1.01	1.64
<i>Irf9</i>	interferon regulatory factor 9	1.03	1.63
<i>Mndal</i>	myeloid nuclear differentiation antigen like	1.01	1.59
<i>Crebrf</i>	CREB3 regulatory factor	0.93	1.65
<i>Rnf166</i>	ring finger protein 166	1.02	1.58
<i>Aif1</i>	allograft inflammatory factor 1	0.92	1.66
<i>Aldoc</i>	aldolase C, fructose-bisphosphate	1.01	1.60
<i>Bmf</i>	BCL2 modifying factor	1.01	1.60
<i>Slfn8</i>	schlafen 8	0.99	1.61
<i>Il6ra</i>	interleukin 6 receptor, alpha	1.07	1.56
<i>Rmnd5a</i>	required for meiotic nuclear division 5 homolog A (<i>S. cerevisiae</i>)	0.97	1.58
<i>Malat1</i>	metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA)	1.23	1.56
<i>Ap1s2</i>	adaptor-related protein complex 1, sigma 2 subunit	0.95	1.55

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Gene Symbol	Gene Name	Ratio	
		1h	24h
<i>Ifi203</i>	interferon activated gene 203	1.07	1.65
<i>Asb10</i>	ankyrin repeat and SOCS box-containing 10	0.97	1.63
<i>Sla</i>	src-like adaptor	1.02	1.53
<i>Mvd</i>	mevalonate (diphospho) decarboxylase	1.05	1.57
<i>Amz1</i>	archaelysin family metallopeptidase 1	0.97	1.55
<i>Slc29a3</i>	solute carrier family 29 (nucleoside transporters), member 3	0.94	1.54
<i>Tmem86a</i>	transmembrane protein 86A	0.93	1.58
<i>Klf3</i>	Kruppel-like factor 3 (basic)	1.01	1.57
<i>Itgb5</i>	integrin beta 5	0.96	1.65
<i>Rpl22</i>	ribosomal protein L22	0.99	1.56
<i>Frm4b</i>	FERM domain containing 4B	1.18	1.54
<i>Rassf2</i>	Ras association (RalGDS/AF-6) domain family member 2	1.01	1.52
<i>Tcf4</i>	transcription factor 4	1.02	1.55
<i>Camk1</i>	calcium/calmodulin-dependent protein kinase I	0.95	1.52
<i>Il18</i>	interleukin 18	1.01	1.52
<i>Enc1</i>	ectodermal-neural cortex 1	1.14	1.53
<i>Pnrc1</i>	proline-rich nuclear receptor coactivator 1	0.90	1.57

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Gene Symbol	Gene Name	1h	24h
<i>Gm19773</i>	predicted gene, 19773	0.95	1.53
<i>Cp</i>	ceruloplasmin	0.95	1.53
<i>Tbc1d16</i>	TBC1 domain family, member 16	1.00	1.58
<i>C1qb</i>	complement component 1, q subcomponent, beta polypeptide	1.03	1.60

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