

Table S12. List of genes, which demonstrated decreased expression (fold change ≥ 1.5 and $p \leq 0.05$) in the differentiated cells from the late phase (day 7) when compared with the differentiated cells from an early phase (day 2)

Gene Symbol	Accession No.	Gene Definition	Fold Change
1110003F05Rik			0.65
1190002H23Rik	NM_025427.2	RIKEN cDNA 1190002H23 gene (1190002H23Rik)	0.57
1200009O22Rik	NM_025817.3	RIKEN cDNA 1200009O22 gene (1200009O22Rik)	0.57
1700019G17Rik	NM_029331.2	RIKEN cDNA 1700019G17 gene (1700019G17Rik)	0.66
2210408F11Rik			0.66
2810402K13Rik			0.65
2900062L11Rik	NR_003642.1	RIKEN cDNA 2900062L11 gene (2900062L11Rik), non-coding RNA.	0.60
6330403K07Rik	NM_134022.2	RIKEN cDNA 6330403K07 gene (6330403K07Rik)	0.56
6430537F04			0.61
A230057G18Rik	XM_489103		0.51
Aard	NM_175503.3	alanine and arginine rich domain containing protein (Aard)	0.61
Abhd1	NR_003522.1	abhydrolase domain containing 1 (Abhd1), transcribed RNA.	0.66
Adamts12	NM_175501		0.51
Adamts9			0.51
Agt	NM_007428.3	angiotensinogen (serpin peptidase inhibitor, clade A, member 8) (Agt)	0.48
Al481316	XM_148986.1		0.65
B3gat1	NM_029792.1	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P) (B3gat1)	0.50
Bcan	NM_007529.1	brevican (Bcan)	0.48
Brp17	NM_019999.1		0.62
C530008M17Rik	XM_916109.2	PREDICTED: RIKEN cDNA C530008M17 gene, transcript variant 3 (C530008M17Rik)	0.54
C630002C17Rik	AK049826		0.62
Camk2b	NM_007595.3	calcium/calmodulin-dependent protein kinase II, beta (Camk2b)	0.49
Cav1	NM_007616.3	caveolin 1, caveolae protein (Cav1)	0.49
Cd1d1	NM_007639.2	CD1d1 antigen (Cd1d1)	0.66
Cdh13	NM_019707.4	cadherin 13 (Cdh13)	0.57
Cdk5r1	NM_009871.2	cyclin-dependent kinase 5, regulatory subunit 1 (p35) (Cdk5r1)	0.64
Cfl1	NM_007687.2	cofilin 1, non-muscle (Cfl1)	0.65
Chrna4	NM_015730.4	cholinergic receptor, nicotinic, alpha polypeptide 4 (Chrna4)	0.59
Clk1	NM_001042634.1	CDC-like kinase 1 (Clk1), transcript variant 1	0.57
Col4a1	NM_009931.1	procollagen, type IV, alpha 1 (Col4a1)	0.55
Cpxm1	NM_019696.1	carboxypeptidase X 1 (M14 family) (Cpxm1)	0.55
D0H4S114	NM_053078.3	DNA segment, human D4S114 (D0H4S114)	0.51
Ddah1	NM_026993		0.53
Dgkb	NM_178681		0.65
Dpysl4	NM_011993.2	dihydropyrimidinase-like 4 (Dpysl4)	0.65
E030030K01Rik	AK087162		0.54
EG232599	NM_177689.3	predicted gene, EG232599 (EG232599)	0.59
Egr3	NM_018781		0.60
Elmo1	NM_198093.2	engulfment and cell motility 1, ced-12 homolog (C. elegans) (Elmo1), transcript variant 2	0.61
Ephb1	NM_173447.2	Eph receptor B1 (Ephb1)	0.52
F2r	NM_010169.3	coagulation factor II (thrombin) receptor (F2r)	0.66
Fam171b	NM_175514.2	family with sequence similarity 171, member B (Fam171b)	0.50
Fxyd6	NM_022004.6	FXYD domain-containing ion transport regulator 6 (Fxyd6)	0.38
Gamt	NM_010255.1	guanidinoacetate methyltransferase (Gamt)	0.52
Gldc	NM_138595.1	glycine decarboxylase (Gldc)	0.57
Gria2	NM_013540		0.46
Hr	NM_021877.2	hairless (Hr)	0.56
ldb2	AK013239		0.61
Igfbp4	NM_010517.2		0.55
Kcna6	NM_013568.3		0.63
Kcnd2	NM_019697.3	potassium voltage-gated channel, Shal-related family, member 2 (Kcnd2)	0.62
Kctd5	NM_027008.1	potassium channel tetramerisation domain containing 5 (Kctd5)	0.57
Ky	NM_024291.3	kyphoscoliosis peptidase (Ky)	0.62
Lgals8	NM_018886.3	lectin, galactose binding, soluble 8 (Lgals8)	0.64
LOC100041388	XM_001476627.1	PREDICTED: similar to ORF1 (LOC100041388)	0.66
LOC100047606	XR_033719.1	PREDICTED: similar to neurotrophic tyrosine kinase, receptor, type 3 (LOC100047606), misc RNA.	0.64
LOC100047619	XR_033736.1	PREDICTED: similar to solute carrier family 7 (cationic amino acid transporter, y+ system), member 5 (LOC100047619), misc RNA.	0.59
LOC386199	XM_359116.1		0.62
Lpl	NM_008509.2	lipoprotein lipase (Lpl)	0.55
Mest	NM_008590.1	mesoderm specific transcript (Mest)	0.46
Mfge8	NM_001045489.1	milk fat globule-EGF factor 8 protein (Mfge8), transcript variant 2	0.57
mKIAA0282	AK129109		0.53
Mmd2	NM_175217.6	monocyte to macrophage differentiation-associated 2 (Mmd2)	0.61
Myh8	NM_177369.3	myosin, heavy polypeptide 8, skeletal muscle, perinatal (Myh8)	0.46

<i>Nav1</i>	NM_173437.1	neuron navigator 1 (Nav1)	0.65
<i>Ncam1</i>	NM_010875.3	neural cell adhesion molecule 1 (Ncam1), transcript variant 2	0.57
<i>Ncan</i>	NM_007789.2	neurocan (Ncan)	0.43
<i>Neo1</i>	NM_008684.1		0.64
<i>Neto2</i>	NM_001081324.1	neuroligin (NRP) and tolloid (TLL)-like 2 (Neto2)	0.66
<i>Nfia</i>	NM_177176.2		0.66
<i>Olig1</i>	NM_016968.4	oligodendrocyte transcription factor 1 (Olig1)	0.58
<i>Omg</i>	NM_019409.1	oligodendrocyte myelin glycoprotein (Omg)	0.52
<i>P2ry1</i>	NM_008772.4	purinergic receptor P2Y, G-protein coupled 1 (P2ry1)	0.65
<i>Pde1b</i>	NM_008800		0.66
<i>Pdzrn3</i>	NM_018884.1	PDZ domain containing RING finger 3 (Pdzrn3)	0.62
<i>Phf19</i>	NM_028716.1	PHD finger protein 19 (Phf19)	0.66
<i>Plekha4</i>	NM_148927.1	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 4 (Plekha4)	0.41
<i>Ppic</i>	NM_008908.3	peptidylprolyl isomerase C (Ppic)	0.65
<i>Prkcb</i>	NM_008855.2	protein kinase C, beta (Prkcb)	0.60
<i>Ptn</i>	NM_008973.2	pleiotrophin (Ptn)	0.52
<i>Ptprz1</i>	XM_988289.1	PREDICTED: protein tyrosine phosphatase, receptor type Z, polypeptide 1, transcript variant 3 (Ptprz1)	0.22
<i>Reep3</i>	NM_178606.4	receptor accessory protein 3 (Reep3)	0.60
<i>Scara3</i>	NM_172604.3	scavenger receptor class A, member 3 (Scara3)	0.61
<i>Scara5</i>	NM_028903.1	scavenger receptor class A, member 5 (putative) (Scara5)	0.62
<i>Scd4</i>	NM_183216.3	stearoyl-coenzyme A desaturase 4 (Scd4)	0.46
<i>Scgb1c1</i>	NM_001099742.1	secretoglobin, family 1C, member 1 (Scgb1c1)	0.66
<i>scl0002255.1_1</i>	AK017012.1		0.58
<i>Slc24a3</i>	NM_053195.2	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 (Slc24a3)	0.42
<i>Slc44a1</i>	NM_133891.2	solute carrier family 44, member 1 (Slc44a1)	0.56
<i>Sox8</i>	NM_011447.1	SRY-box containing gene 8 (Sox8)	0.64
<i>Specc1</i>	NM_001029936.2	sperm antigen with calponin homology and coiled-coil domains 1 (Specc1)	0.64
<i>Svep1</i>	NM_022814.2	sushi, von Willebrand factor type A, EGF and pentraxin domain containing 1 (Svep1)	0.58
<i>Tnfrsf21</i>	NM_178589.2	tumor necrosis factor receptor superfamily, member 21 (Tnfrsf21)	0.43
<i>Trib2</i>	NM_144551.3		0.65
<i>Tspan7</i>	NM_019634.2	tetraspanin 7 (Tspan7)	0.54
<i>Ttyh3</i>	NM_175274.3	tweety homolog 3 (Drosophila) (Ttyh3)	0.46
<i>Wsb1</i>	NM_001042565.2	WD repeat and SOCS box-containing 1 (Wsb1), transcript variant 2	0.56