

Table S11. List of genes, which demonstrated increased 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)

<u>Gene Symbol</u>	<u>Accession No.</u>	<u>Gene Definition</u>	<u>Fold Change</u>
<i>1700007K13Rik</i>	NM_027040.1	RIKEN cDNA 1700007K13 gene (1700007K13Rik)	1.80
<i>1700027N10Rik</i>	NM_029338.3	RIKEN cDNA 1700027N10 gene (1700027N10Rik)	1.58
<i>2010004M13Rik</i>			1.63
<i>4932425I24Rik</i>	NM_001081025.1	RIKEN cDNA 4932425I24 gene (4932425I24Rik)	1.58
<i>4933426M11Rik</i>	NM_178682.3	RIKEN cDNA 4933426M11 gene (4933426M11Rik)	1.53
<i>5031428M13Rik</i>	AK030317		1.57
<i>9330185J12Rik</i>			1.54
<i>Abhd7</i>	NM_001001804.1	abhydrolase domain containing 7 (Abhd7)	2.13
<i>Acsl6</i>	NM_001033597.1	acyl-CoA synthetase long-chain family member 6 (Acsl6), transcript variant 2	1.62
<i>Adamtsl4</i>	NM_144899.2	ADAMTS-like 4 (Adamtsl4)	1.56
<i>Ankrd50</i>	NM_001033198.2	ankrin repeat domain 50 (Ankrd50)	1.53
<i>Arhgap12</i>	NM_029277.2	Rho GTPase activating protein 12 (Arhgap12), transcript variant 2	1.71
<i>Arsb</i>	NM_009712.3	arylsulfatase B (Arsb)	2.30
<i>AW555464</i>	XM_127132.3		1.61
<i>B230326M20Rik</i>	AK045953		1.67
<i>BC099439</i>	NM_001025564.1	cDNA sequence BC099439 (BC099439)	2.74
<i>Bdh2</i>	NM_027208.1	3-hydroxybutyrate dehydrogenase, type 2 (Bdh2)	1.79
<i>Bicc1</i>	NM_031397.2	bicaudal C homolog 1 (Drosophila) (Bicc1)	1.53
<i>C3</i>	NM_009778.1		12.22
<i>C530044C16Rik</i>			1.93
<i>Ccng1</i>	NM_009831.2	cyclin G1 (Ccng1)	1.56
<i>Cd109</i>	NM_153098.2	CD109 antigen (Cd109)	1.56
<i>Cd59a</i>	NM_007652.2	CD59a antigen (Cd59a)	1.72
<i>Cdkn1a</i>	NM_007669.2	cyclin-dependent kinase inhibitor 1A (P21) (Cdkn1a)	1.51
<i>Chchd10</i>	NM_175329.3	coiled-coil-helix-coiled-coil-helix domain containing 10 (Chchd10)	2.96
<i>Cln3</i>	NM_009907.2	ceroid lipofuscinosis, neuronal 3, juvenile (Batten, Spielmeyer-Vogt disease) (Cln3)	1.70
<i>Col5a1</i>	NM_015734.1	procollagen, type V, alpha 1 (Col5a1)	2.20
<i>Cox6b2</i>	NM_183405.1	cytochrome c oxidase subunit VIb polypeptide 2 (Cox6b2)	1.74
<i>Cp</i>	NM_007752		1.84
<i>Csf1</i>	NM_007778.3	colony stimulating factor 1 (macrophage) (Csf1)	1.50
<i>Ctsa</i>	NM_001038492.1	cathepsin A (Ctsa), transcript variant 2	2.59
<i>Cyb5</i>	NM_025797.3	cytochrome b-5 (Cyb5)	1.56
<i>Cyld</i>	NM_173369.1	cyliindromatosis (turban tumor syndrome) (Cyld)	1.50
<i>Dcxr</i>	NM_026428.1	dicarbonyl L-xylulose reductase (Dcxr)	1.63
<i>Dock6</i>	NM_177030.3	dedicator of cytokinesis 6 (Dock6)	1.96
<i>E430002G05Rik</i>	NM_173749		2.16
<i>EG433229</i>	XM_899874.3	PREDICTED: predicted gene, EG433229, transcript variant 7 (EG433229)	1.57
<i>EG665378</i>	NM_001081746.1	predicted gene, EG665378 (EG665378)	1.60
<i>Fzd10</i>	NM_175284.3	frizzled homolog 10 (Drosophila) (Fzd10)	1.50
<i>Gcat</i>	NM_013847		1.79
<i>Gdpd5</i>	NM_201352.2	glycerophosphodiester phosphodiesterase domain containing 5 (Gdpd5)	1.52
<i>Gpx4</i>	NM_001037741.2	glutathione peroxidase 4 (Gpx4), transcript variant 1	1.66
<i>Gria3</i>	NM_016886.2	glutamate receptor, ionotropic, AMPA3 (alpha 3) (Gria3)	1.65
<i>Gtse1</i>	NM_013882.1	G two S phase expressed protein 1 (Gtse1)	1.57
<i>H2-K1</i>	NM_001001892.2	histocompatibility 2, K1, K region (H2-K1), transcript variant 1	1.71
<i>Hdc</i>	NM_008230.4	histidine decarboxylase (Hdc)	1.66
<i>Herpud1</i>	NM_022331.1	homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1 (Herpud1)	1.89
<i>Hist1h1c</i>	NM_015786		1.67
<i>Hist1h4a</i>	NM_178192.1	histone cluster 1, H4a (Hist1h4a)	1.76
<i>Hist1h4j</i>	NM_178210.1	histone cluster 1, H4j (Hist1h4j)	1.57
<i>Ifit3</i>	NM_010501.2	interferon-induced protein with tetratricopeptide repeats 3 (Ifit3)	1.51
<i>Ifitm1</i>	NM_026820.2	interferon induced transmembrane protein 1 (Ifitm1)	1.74
<i>Igfbp1</i>	NM_018741.2	insulin-like growth factor binding protein-like 1 (Igfbp1)	1.66
<i>Il11ra1</i>	NM_010549.2	interleukin 11 receptor, alpha chain 1 (Il11ra1)	1.72
<i>Ivns1abp</i>	NM_054102.2	influenza virus NS1A binding protein (Ivns1abp), transcript variant 2	1.52
<i>Kndc1</i>	NM_177261.4	kinase non-catalytic C-lobe domain (KIND) containing 1 (Kndc1)	1.91
<i>Lbp</i>	NM_008489.2	lipopolysaccharide binding protein (Lbp)	2.41
<i>Lcn2</i>	NM_008491.1	lipocalin 2 (Lcn2)	11.25
<i>Lgals3</i>	NM_010705.2	lectin, galactose binding, soluble 3 (Lgals3)	2.46
<i>LOC100039346</i>	XM_001472500.1	PREDICTED: hypothetical protein LOC100039346 (LOC100039346)	1.54
<i>LOC100039751</i>	XR_031048.1	PREDICTED: similar to 40S ribosomal protein S12 (LOC100039751), misc RNA.	1.64
<i>LOC100042427</i>	XM_001478518.1	PREDICTED: similar to Glyceraldehyde-3-phosphate dehydrogenase (GAPDH), transcript variant 4 (LOC100042427)	1.53

<i>LOC100044948</i>	XM_001473652.1	PREDICTED: similar to macrophage migration inhibitory factor (LOC100044948)	1.91
<i>LOC100047856</i>	XM_001479297.1	PREDICTED: similar to calponin 3, acidic (LOC100047856)	1.63
<i>LOC226017</i>	XM_129164.2		1.76
<i>LOC383712</i>	XM_911155.2	PREDICTED: similar to putative translation initiation factor A121/Sui1 (LOC383712)	1.50
<i>LOC665235</i>	XR_031650.1	PREDICTED: similar to hCG1642689 (LOC665235), misc RNA.	1.74
<i>Lrp2</i>	NM_001081088.1	low density lipoprotein receptor-related protein 2 (Lrp2)	1.81
<i>Mdh1</i>	NM_008618.2	malate dehydrogenase 1, NAD (soluble) (Mdh1)	1.55
<i>Mgst1</i>	NM_019946.4	microsomal glutathione S-transferase 1 (Mgst1)	1.71
<i>Mif</i>	NM_010798.2	macrophage migration inhibitory factor (Mif)	1.87
<i>Nbl1</i>	NM_008675.1	neuroblastoma, suppression of tumorigenicity 1 (Nbl1)	1.86
<i>Ndufb10</i>	XM_128594.4		1.51
<i>Nuak2</i>	NM_028778.3	NUAK family, SNF1-like kinase, 2 (Nuak2)	1.64
<i>Osbp15</i>	NM_024289		1.71
<i>OTTMUSG00000025408</i>	NR_003564.1	predicted gene, OTTMUSG00000025408 (OTTMUSG00000025408), non-coding RNA.	2.74
<i>Phlda3</i>	NM_013750.1	pleckstrin homology-like domain, family A, member 3 (Phlda3)	1.56
<i>Pltp</i>	NM_011125.2	phospholipid transfer protein (Pltp)	1.55
<i>Por</i>	NM_008898.1	P450 (cytochrome) oxidoreductase (Por)	1.58
<i>Ppib</i>	NM_011149.2	peptidylprolyl isomerase B (Ppib)	1.53
<i>Pqlc3</i>	NM_172574.1	PQ loop repeat containing (Pqlc3)	1.71
<i>Pramel4</i>	NM_178248.2	preferentially expressed antigen in melanoma like 4 (Pramel4)	1.51
<i>Prelp</i>	NM_054077.3	proline arginine-rich end leucine-rich repeat (Prelp)	2.88
<i>Prodh</i>	NM_011172.1		1.58
<i>Pros1</i>	NM_011173.2	protein S (alpha) (Pros1)	1.58
<i>Rarres2</i>	NM_027852.1	retinoic acid receptor responder (tazarotene induced) 2 (Rarres2)	1.65
<i>Serpinb6a</i>	NM_009254.2	serine (or cysteine) peptidase inhibitor, clade B, member 6a (Serpinb6a)	1.52
<i>Serping1</i>	NM_009776		1.55
<i>Shroom3</i>	NM_001077596.1	shroom family member 3 (Shroom3), transcript variant 3	1.65
<i>Siva1</i>	NM_013929.1	SIVA1, apoptosis-inducing factor (Siva1)	1.54
<i>Slc19a2</i>	NM_054087.2	solute carrier family 19 (thiamine transporter), member 2 (Slc19a2)	1.61
<i>Slc2a1</i>	NM_011400.2	solute carrier family 2 (facilitated glucose transporter), member 1 (Slc2a1)	2.33
<i>Slc46a3</i>	NM_027872.3	solute carrier family 46, member 3 (Slc46a3)	1.52
<i>Snta1</i>	NM_009228.1	syntrophin, acidic 1 (Snta1)	1.55
<i>Spag6</i>	NM_015773.1	sperm associated antigen 6 (Spag6)	1.82
<i>Tap2</i>	NM_011530.2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP) (Tap2)	1.65
<i>Tpi1</i>	NM_009415.1	triosephosphate isomerase 1 (Tpi1)	1.60
<i>Usp53</i>	NM_133857.3	ubiquitin specific peptidase 53 (Usp53)	1.77
<i>Vegfb</i>	NM_011697.2	vascular endothelial growth factor B (Vegfb)	1.50
<i>Xbp1</i>	NM_013842.2	X-box binding protein 1 (Xbp1)	1.57