

Supplementary Table 1 Differentially expressed genes between oncogene-transformed wild-type and *Per2^{tm/m}* cell:

Gene symbol	Genbank accession	Description	Per2 ^{tm/m} / wild-type	
			Zscore	Fold change
<i>Aldh3a1</i>	NM_007436	aldehyde dehydrogenase family 3, subfamily a 1	7.5645	274.2610
<i>Cdsn</i>	NM_001008424	corneodesmosin	4.9814	40.4312
<i>Gm4340</i>	NM_001177535	predicted gene 4340	3.6513	31.2278
<i>Aspg</i>	NM_001081169	asparaginase homolog	3.5634	28.7460
<i>Itgb7</i>	NM_013566	integrin beta 7	4.1348	21.5868
<i>Cd34</i>	NM_133654	CD34 antigen	4.1172	13.2134
<i>Msln</i>	NM_018857	mesothelin	3.2782	11.4412
<i>Tnfrsf10b</i>	NM_009398	tumor necrosis factor alpha induced protein 6	2.5066	10.6212
<i>Cbr2</i>	NM_007621	carbonyl reductase 2	3.2108	7.4749
<i>Rcor2</i>	NM_054048	REST corepressor 2	2.8099	5.8104
<i>Csf1</i>	NM_007778	colony stimulating factor 1	-2.5591	0.1990
<i>Crip1</i>	NM_007763	cysteine-rich protein 1	-2.3428	0.1775
<i>Dysf</i>	NM_001077694	dysferlin	-2.4008	0.1700
<i>Fat1</i>	NM_001081286	FAT tumor suppressor homolog 1	-2.4761	0.1608
<i>Ak1</i>	NM_001198790	adenylate kinase 1	-2.9735	0.1534
<i>Col7a1</i>	NM_007738	collagen, type VII, alpha 1	-3.6570	0.0998
<i>Bmp1</i>	NM_009755	bone morphogenetic protein 1	-3.1642	0.0965
<i>Inhba</i>	NM_008380	inhibin beta-A	-3.9726	0.0818
<i>Col3a1</i>	NM_009930	collagen, type III, alpha 1	-3.6197	0.0689
<i>Tgfb2</i>	NM_009367	transforming growth factor, beta 2	-2.9165	0.0642
<i>Hist1h1c</i>	NM_015786	histone cluster 1, H1c	-3.0692	0.0556
<i>Itga11</i>	NM_176922	integrin alpha 11	-4.0155	0.0514
<i>Mfap5</i>	NM_015776	microfibrillar associated protein 5	-3.2108	0.0486
<i>Pdgfrl</i>	NM_026840	platelet-derived growth factor receptor-like	-3.2865	0.0453
<i>Ccdc80</i>	NM_026439	coiled-coil domain containing 80	-4.2491	0.0432
<i>Ndn</i>	NM_010882	necdin	-2.4941	0.0424
<i>Scrn1</i>	NM_027268	secernin 1	-2.6038	0.0369
<i>Mgll</i>	NM_001166251	monoglyceride lipase	-3.5143	0.0365
<i>Sulf1</i>	NM_172294	sulfatase 1	-3.5458	0.0355
<i>Arhgdig</i>	NM_008113	Rho GDP dissociation inhibitor (GDI) gamma	-2.7291	0.0315
<i>Dhrs3</i>	NM_011303	dehydrogenase/reductase member 3	-3.6780	0.0313
<i>Lmo1</i>	NM_057173	LIM domain only 1	-2.0200	0.0307
<i>Gareml</i>	NM_001167879	GRB2 associated, regulator of MAPK1-like	-2.0582	0.0288
<i>Trpv2</i>	NM_011706	transient receptor potential cation channel, subfamily V, member 2	-2.8187	0.0282
<i>Mirg</i>	AK077315	RIKEN full-length enriched library, clone:5330411G14	-2.9384	0.0242
<i>Plxdc2</i>	NM_026162	plexin domain containing 2	-3.9600	0.0240
<i>Cck</i>	NM_031161	cholecystokinin	-4.0382	0.0223
<i>Tcn2</i>	NM_015749	transcobalamin 2	-4.0889	0.0213
<i>Pon3</i>	NM_173006	paraoxonase 3	-3.0744	0.0204
<i>Atp1b1</i>	NM_009721	ATPase, Na ⁺ /K ⁺ transporting, beta 1 polypeptide	-4.1330	0.0204
<i>Klhl13</i>	NM_026167	kelch-like 13	-2.2696	0.0204
<i>Col12a1</i>	NM_007730	collagen, type XII, alpha 1	-3.1006	0.0198
<i>Jam2</i>	NM_023844	junction adhesion molecule 2	-3.1471	0.0186
<i>Meg3</i>	NR_027652	maternally expressed 3	-4.2305	0.0186
<i>Gas6</i>	NM_019521	growth arrest specific 6	-5.4247	0.0181
<i>Rnf128</i>	NM_023270	ring finger protein 128	-4.3437	0.0167
<i>Lama2</i>	NM_008481	laminin, alpha 2	-3.2429	0.0165
<i>Trp1</i>	NM_001081156	TMF1-regulated nuclear protein 1	-3.2448	0.0165
<i>Zdhhc2</i>	AK046533	zinc finger, DHHC domain containing 2	-2.4396	0.0154
<i>Lass4</i>	NM_026058	LAG1 homolog, ceramide synthase 4	-2.4747	0.0146
<i>Rps4y2</i>	NR_003634	ribosomal protein S4, Y-linked 2	-3.3624	0.0142
<i>Vegfc</i>	NM_009506	vascular endothelial growth factor C	-3.4172	0.0133
<i>Tll1</i>	NM_009390	tolloid-like 1	-2.6134	0.0116
<i>Postn</i>	NM_001198766	periostin, osteoblast specific factor	-4.7663	0.0112
<i>Col4a2</i>	NM_009932	collagen, type IV, alpha 2	-4.7746	0.0111
<i>Pcolce2</i>	NM_029620	procollagen C-endopeptidase enhancer 2	-2.6663	0.0106
<i>Cd59a</i>	NM_007652	CD59a antigen	-3.6658	0.0097
<i>Adam23</i>	NM_011780	a disintegrin and metalloproteinase domain 23	-2.7587	0.0091
<i>Pbxip1</i>	NM_146131	pre B cell leukemia transcription factor interacting protein 1	-5.0180	0.0089
<i>Megf10</i>	NM_001001979	multiple EGF-like-domains 10	-2.9642	0.0065
<i>Bmper</i>	NM_028472	BMP-binding endothelial regulator	-4.0287	0.0061
<i>Rgs4</i>	NM_009062	regulator of G-protein signaling 4	-4.0299	0.0061
<i>Tspan18</i>	NM_183180	tetraspanin 18	-3.0360	0.0058
<i>Npy1r</i>	NM_010934	neuropeptide Y receptor Y1	-3.0405	0.0058
<i>Ptprz1</i>	NM_001081306	protein tyrosine phosphatase, receptor type Z, polypeptide 1	-3.0886	0.0053
<i>Col4a1</i>	NM_009931	collagen, type IV, alpha 1	-5.5730	0.0053
<i>Slco4a1</i>	NM_148933	solute carrier organic anion transporter family, member 4a1	-3.1204	0.0050
<i>Serpine1</i>	NM_008871	serine (or cysteine) peptidase inhibitor, clade E, member 1	-8.4811	0.0048
<i>Pmaip1</i>	NM_021451	phorbol-12-myristate-13-acetate-induced protein 1	-3.1641	0.0047
<i>Loxl2</i>	NM_033325	lysyl oxidase-like 2	-4.4108	0.0038
<i>Thbs1</i>	NM_011580	thrombospondin 1	-7.5756	0.0037
<i>Actg2</i>	NM_009610	actin, gamma 2	-7.6154	0.0036