

Supplementary Table 1

Gene	p value¹	Fold Change²	GO term
<i>Bad</i>	1,9E-02	-1,1	Regulation of B Cell differentiation
<i>CD24a</i>	5,0E-03	1,2	Regulation of B Cell differentiation
<i>Cyld</i>	1,2E-02	1,1	Regulation of B Cell differentiation
<i>Flt3</i>	4,6E-03	-1,2	Regulation of B Cell differentiation
<i>Ikzf3</i>	2,0E-02	1,1	Regulation of B Cell differentiation
<i>Il2rg</i>	1,0E-02	-1,1	Regulation of B Cell differentiation
<i>Nckap1l</i>	4,5E-04	1,1	Regulation of B Cell differentiation
<i>Ptpnc</i>	1,4E-02	1,1	Regulation of B Cell differentiation
<i>Zfp3612</i>	2,4E-02	-1,4	Regulation of B Cell differentiation
<i>Ikzf1</i>	6,9E-03	1,1	Cell cycle B Cell differentiation
<i>Ptpn6</i>	1,7E-02	1,1	Cell cycle B Cell differentiation
<i>Actr2</i>	3,8E-02	1,1	Cell cycle
<i>Ahctf1</i>	3,0E-02	1,1	Cell cycle
<i>Anapc11</i>	6,5E-02	-1,1	Cell cycle
<i>Apex2</i>	4,2E-02	1,1	Cell cycle
<i>Appl1</i>	6,2E-02	1,0	Cell cycle
<i>Arl8a</i>	6,2E-02	-1,1	Cell cycle
<i>Aurka</i>	1,5E-02	-1,1	Cell cycle
<i>Aurkb</i>	3,7E-02	-1,1	Cell cycle
<i>Azi2</i>	7,9E-03	-1,1	Cell cycle
<i>Becn1</i>	6,4E-02	1,1	Cell cycle
<i>Blcap</i>	3,0E-02	1,1	Cell cycle
<i>Brcal</i>	7,1E-02	-1,1	Cell cycle
<i>Cables1</i>	3,5E-02	-1,1	Cell cycle
<i>Ccnb2</i>	5,1E-02	-1,2	Cell cycle
<i>Ccne2</i>	2,5E-02	-1,1	Cell cycle
<i>Ccnf</i>	1,8E-02	-1,1	Cell cycle
<i>Ccnk</i>	2,1E-02	-1,2	Cell cycle
<i>Cdc14a</i>	3,0E-02	1,1	Cell cycle
<i>Cdc25b</i>	1,9E-02	-1,3	Cell cycle
<i>Cdc73</i>	2,0E-02	1,1	Cell cycle
<i>Cdca8</i>	4,0E-02	-1,1	Cell cycle
<i>Cdk6</i>	2,2E-03	1,4	Cell cycle
<i>Cdkn1a</i>	4,3E-02	-1,1	Cell cycle
<i>Cdkn2b</i>	8,0E-03	-1,2	Cell cycle
<i>Cdt1</i>	4,9E-02	-1,2	Cell cycle
<i>Cenpe</i>	5,4E-02	-1,2	Cell cycle
<i>Chek1</i>	9,5E-03	-1,1	Cell cycle
<i>Chtf8</i>	4,5E-02	-1,1	Cell cycle
<i>Cib1</i>	4,3E-02	-1,1	Cell cycle
<i>Cltc</i>	7,3E-03	1,1	Cell cycle

<i>Cntrob</i>	5,9E-03	-1,1	Cell cycle
<i>Dctn3</i>	4,3E-02	-1,1	Cell cycle
<i>Dlgap5</i>	4,6E-02	-1,1	Cell cycle
<i>Dsn1</i>	2,0E-02	-1,1	Cell cycle
<i>E2f1</i>	7,3E-02	-1,1	Cell cycle
<i>E2f4</i>	4,9E-02	-1,2	Cell cycle
<i>Ect2</i>	7,1E-02	-1,1	Cell cycle
<i>Epb4.1</i>	6,9E-03	-1,1	Cell cycle
<i>EPB4.1L2</i>	5,2E-02	1,1	Cell cycle
<i>Ercc6l</i>	5,6E-02	-1,1	Cell cycle
<i>Evi5</i>	1,4E-02	1,2	Cell cycle
<i>Fbxo5</i>	7,0E-02	1,1	Cell cycle
<i>Foxm1</i>	1,7E-02	-1,1	Cell cycle
<i>Foxn3</i>	3,3E-02	1,1	Cell cycle
<i>Gadd45gip1</i>	7,1E-02	-1,1	Cell cycle
<i>Gas2</i>	9,9E-03	1,1	Cell cycle
<i>Haus4</i>	2,8E-02	-1,1	Cell cycle
<i>Hepacam2</i>	2,3E-05	-1,5	Cell cycle
<i>Khdrbs1</i>	1,7E-02	1,1	Cell cycle
<i>Kif18b</i>	3,8E-02	-1,1	Cell cycle
<i>Kif23</i>	2,3E-02	-1,1	Cell cycle
<i>Kif2c</i>	3,4E-02	-1,1	Cell cycle
<i>Lig1</i>	1,4E-02	-1,1	Cell cycle
<i>Map2k1</i>	4,6E-02	1,1	Cell cycle
<i>Map9</i>	2,4E-02	-1,1	Cell cycle
<i>Mapk12</i>	3,7E-02	-1,1	Cell cycle
<i>Mis18bp1</i>	1,6E-02	-1,1	Cell cycle
<i>Mnat1</i>	5,1E-02	1,2	Cell cycle
<i>Mnd1</i>	1,8E-02	1,1	Cell cycle
<i>Mns1</i>	8,3E-03	-1,1	Cell cycle
<i>Ncapd3</i>	7,1E-02	-1,1	Cell cycle
<i>Ncaph</i>	5,2E-02	-1,2	Cell cycle
<i>Ndc80</i>	6,5E-03	-1,2	Cell cycle
<i>Nedd9</i>	4,0E-02	1,1	Cell cycle
<i>Nr2c2</i>	2,7E-02	1,1	Cell cycle
<i>Nsmce2</i>	3,7E-02	1,1	Cell cycle
<i>Nup88</i>	1,1E-02	1,1	Cell cycle
<i>Oip5</i>	3,0E-02	-1,1	Cell cycle
<i>Pcnp</i>	5,9E-02	-1,1	Cell cycle
<i>Pdcd6ip</i>	3,8E-02	-1,1	Cell cycle
<i>Pim3</i>	2,1E-02	-1,1	Cell cycle
<i>Pin1</i>	6,4E-02	-1,1	Cell cycle
<i>Pmf1</i>	4,6E-02	-1,1	Cell cycle
<i>Ppp2r2c</i>	2,7E-02	-1,0	Cell cycle
<i>Ppp2r2d</i>	5,9E-02	1,0	Cell cycle
<i>Prdm9</i>	1,4E-02	1,1	Cell cycle
<i>Prkce</i>	1,9E-02	1,2	Cell cycle

<i>Rad50</i>	3,4E-02	-1,1	Cell cycle
<i>Rad51</i>	4,4E-02	-1,1	Cell cycle
<i>Rcbtb1</i>	9,7E-03	1,1	Cell cycle
<i>Rif1</i>	2,7E-02	1,1	Cell cycle
<i>Rnf8</i>	5,4E-02	1,0	Cell cycle
<i>Setd8</i>	1,9E-02	-1,2	Cell cycle
<i>Sgoll</i>	5,9E-02	-1,1	Cell cycle
<i>Siah2</i>	6,6E-02	-1,5	Cell cycle
<i>Sik1</i>	7,1E-02	-1,5	Cell cycle
<i>Ska3</i>	2,5E-02	-1,1	Cell cycle
<i>Son</i>	2,5E-02	1,1	Cell cycle
<i>Spdl1</i>	2,3E-02	-1,1	Cell cycle
<i>Spin1</i>	7,1E-02	1,1	Cell cycle
<i>Stag1</i>	6,2E-03	1,1	Cell cycle
<i>Stra13</i>	1,7E-03	-1,2	Cell cycle
<i>Stra8</i>	6,6E-02	1,1	Cell cycle
<i>Suv39h2</i>	6,7E-03	-1,1	Cell cycle
<i>Tbcd</i>	6,2E-03	1,1	Cell cycle
<i>Thap1</i>	7,3E-02	-1,1	Cell cycle
<i>Tlkl</i>	1,2E-02	1,1	Cell cycle
<i>Tpr</i>	7,2E-02	-1,1	Cell cycle
<i>Trim21</i>	5,5E-06	1,6	Cell cycle
<i>Trp53</i>	6,4E-02	-1,1	Cell cycle
<i>Tubgcp5</i>	1,0E-02	1,1	Cell cycle
<i>Usp9x</i>	1,4E-02	1,1	Cell cycle
<i>Vps4b</i>	6,4E-02	1,1	Cell cycle
<i>Vrk1</i>	3,0E-02	1,1	Cell cycle
<i>Xrn1</i>	6,8E-02	1,1	Cell cycle
<i>Cyp51</i>	4,6E-02	1,4	Sterol biosynthetic process
<i>Sc5d</i>	5,1E-02	1,2	Sterol biosynthetic process
<i>Fdft1</i>	3,6E-02	1,2	Sterol biosynthetic process
<i>Sc4mol</i>	1,1E-02	1,6	Sterol biosynthetic process
<i>Sqle</i>	2,8E-02	1,5	Sterol biosynthetic process
<i>Apoe</i>	5,0E-04	-1,9	Sterol biosynthetic process Cholesterol biosynthetic process Secondary alcohol biosynthetic process
<i>Dhcr24</i>	8,7E-04	1,4	Sterol biosynthetic process Cholesterol biosynthetic process Secondary alcohol biosynthetic process
<i>Fdps</i>	1,5E-02	1,3	Sterol biosynthetic process Cholesterol biosynthetic process Secondary alcohol biosynthetic process
<i>Hmgcr</i>	1,8E-02	1,3	Sterol biosynthetic process Cholesterol biosynthetic process Secondary alcohol biosynthetic process
<i>Hmgcs1</i>	1,2E-02	1,8	Sterol biosynthetic process

<i>Hsd17b7</i>	1,0E-02	1,2	Cholesterol biosynthetic process
			Secondary alcohol biosynthetic process
			Sterol biosynthetic process
<i>Insig1</i>	1,5E-02	1,6	Cholesterol biosynthetic process
			Secondary alcohol biosynthetic process
			Sterol biosynthetic process
<i>Lss</i>	1,2E-02	1,3	Cholesterol biosynthetic process
			Secondary alcohol biosynthetic process
			Sterol biosynthetic process
<i>Mvk</i>	5,8E-03	1,1	Cholesterol biosynthetic process
			Secondary alcohol biosynthetic process
			Sterol biosynthetic process

GO = Gene ontology

¹p value from a comparative marker selection

²Fold change based on non-transformed values