

Table S1. SigABC probe sets				
Probe set ID	P-value	FDR	Gene symbol	Gene title
1422839_at	"24869E-14"	"112162E-09"	<i>Neurog2</i>	neurogenin 2
1418102_at	"226681E-11"	"511177E-07"	<i>Hes1</i>	hairy and enhancer of split 1 (Drosophila)
1426964_at	"818446E-10"	"123042E-05"	<i>3110003A17Rik</i>	RIKEN cDNA 3110003A17 gene
1453851_a_at	"219884E-09"	"247924E-05"	<i>Gadd45g</i>	growth arrest and DNA-damage-inducible 45 gamma
1435172_at	"108242E-08"	"976361E-05"	<i>Eomes</i>	eomesodermin homolog (Xenopus laevis)
1416992_at	"262702E-08"	"0000197469"	<i>Mfng</i>	manic fringe homolog (Drosophila)
1424711_at	"610067E-08"	"0000393066"	<i>Tmem2</i>	transmembrane protein 2
1421399_at	"136941E-07"	"000077202"	<i>Insm1</i>	insulinoma-associated 1
1452779_at	"7663E-07"	"0003456088"	<i>3110006E14Rik</i>	RIKEN cDNA 3110006E14 gene
1444664_at	"753839E-07"	"0003456088"	<i>Igsf4d</i>	Immunoglobulin superfamily, member 4
1455865_at	"137964E-06"	"0003456841"	<i>Insm1</i>	insulinoma-associated 1
1455537_at	"108561E-06"	"0003456841"	<i>6430547I21Rik</i>	RIKEN cDNA 6430547I21 gene
1450258_a_at	"112466E-06"	"0003456841"	<i>Elavl4</i>	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D)
1437239_x_at	"130839E-06"	"0003456841"	<i>Phc2</i>	polyhomeotic-like 2 (Drosophila)
1431826_a_at	"137107E-06"	"0003456841"	<i>Brsk2</i>	BR serine/threonine kinase 2
1426761_at	"854864E-07"	"0003456841"	<i>Aof2</i>	amine oxidase (flavin containing) domain 2
1423474_at	"133737E-06"	"0003456841"	<i>Top1</i>	topoisomerase (DNA) I
1416048_at	"129874E-06"	"0003456841"	<i>Phc2</i>	polyhomeotic-like 2 (Drosophila)
1434531_at	"16259E-06"	"0003859449"	<i>Mgat5b</i>	mannoside acetylglucosaminyltransferase 5, isoenzyme B
1416107_at	"203535E-06"	"0004589818"	<i>Nsg2</i>	neuron specific gene family member 2
1450042_at	"218013E-06"	"0004682197"	<i>Arx</i>	aristaless related homeobox gene (Drosophila)
1454742_at	"242359E-06"	"0004968464"	<i>Rasgef1b</i>	RasGEF domain family, member 1B
1452894_at	"413467E-06"	"000810772"	<i>Elavl4</i>	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D)
1450644_at	"537333E-06"	"0009320865"	<i>Zfp361</i>	zinc finger protein 36, C3H type-like 1
1421344_a_at	"519493E-06"	"0009320865"	<i>Jub</i>	ajuba
1418047_at	"528599E-06"	"0009320865"	<i>Neurod6</i>	neurogenic differentiation 6
1455267_at	"60077E-06"	"0009620595"	<i>Esrrg</i>	estrogen-related receptor gamma
1438093_x_at	"626233E-06"	"0009620595"	<i>Dbi</i>	diazepam binding inhibitor
1429582_at	"587016E-06"	"0009620595"	<i>Btbd14a</i>	BTB (POZ) domain containing 14A
1422256_at	"639937E-06"	"0009620595"	<i>Sstr2</i>	somatostatin receptor 2
1422773_at	"69207E-06"	"0010068724"	<i>Myt1</i>	myelin transcription factor 1
1422432_at	"724196E-06"	"0010206866"	<i>Dbi</i>	diazepam binding inhibitor
1452646_at	"788242E-06"	"0010772881"	<i>Trp53inp2</i>	tumor protein p53 inducible nuclear protein 2
1449577_x_at	"109135E-05"	"0014476762"	<i>Tpm2</i>	tropomyosin 2, beta
1418271_at	"116359E-05"	"001499405"	<i>Bhlhb5</i>	basic helix-loop-helix domain containing, class B5
1460587_at	"137766E-05"	"0016439567"	<i>B230215L15Rik</i>	RIKEN cDNA B230215L15 gene
1456344_at	"138512E-05"	"0016439567"	<i>Tnc</i>	Tenascin C
1433575_at	"137506E-05"	"0016439567"	<i>LOC672274</i>	similar to Transcription factor SOX-4
1451190_a_at	"169556E-05"	"0018362197"	<i>Sbk1</i>	SH3-binding kinase 1
1435772_at	"170997E-05"	"0018362197"	<i>Kif21b</i>	kinesin family member 21B
1435411_at	"162428E-05"	"0018362197"	-	Transcribed locus
1418003_at	"169753E-05"	"0018362197"	<i>1190002H23Rik</i>	RIKEN cDNA 1190002H23 gene
1456482_at	"189094E-05"	"0018951837"	<i>Pik3r3</i>	phosphatidylinositol 3 kinase, regulatory subunit, polypeptide 3 (p55)
1439500_at	"181161E-05"	"0018951837"	-	-
1435577_at	"188999E-05"	"0018951837"	<i>Dab1</i>	disabled homolog 1 (Drosophila)
1456321_at	"222918E-05"	"0020505701"	<i>Npal1</i>	NIPA-like domain containing 1
1455976_x_at	"218095E-05"	"0020505701"	<i>Dbi</i>	diazepam binding inhibitor
1450622_at	"212059E-05"	"0020505701"	<i>Bcar1</i>	breast cancer anti-estrogen resistance 1
1436246_at	"218392E-05"	"0020505701"	-	Adult male medulla oblongata cDNA, RIKEN full-length enriched library, clone:6330566A22 product: unclassifiable, full insert sequence
1427307_a_at	"227331E-05"	"0020505701"	<i>Dab1</i>	disabled homolog 1 (Drosophila)
1416828_at	"255955E-05"	"002263499"	<i>Snap25</i>	synaptosomal-associated protein 25
1455556_at	"274117E-05"	"0022894378"	<i>Notch2</i>	Notch gene homolog 2 (Drosophila)
1435578_s_at	"272542E-05"	"0022894378"	<i>Dab1</i>	disabled homolog 1 (Drosophila)
1418497_at	"271565E-05"	"0022894378"	<i>Fgf13</i>	fibroblast growth factor 13
1452114_s_at	"282049E-05"	"0023128569"	<i>Igfbp5</i>	insulin-like growth factor binding protein 5
1435192_at	"34591E-05"	"0027858757"	<i>Sox3</i>	SRY-box containing gene 3
1439093_at	"362493E-05"	"0028682089"	<i>Hspa4l</i>	Heat shock protein 4 like
1455426_at	"395563E-05"	"0028774669"	-	-
1440745_at	"388008E-05"	"0028774669"	<i>Prdm16</i>	PR domain containing 16
1436010_at	"382444E-05"	"0028774669"	<i>BC036313</i>	cDNA sequence BC036313

1429674_at	"38589E-05"	"0028774669"	1700113H08Rik	RIKEN cDNA 1700113H08 gene
1426001_at	"39388E-05"	"0028774669"	<i>Eomes</i>	eomesodermin homolog (<i>Xenopus laevis</i>)
1452979_at	"406111E-05"	"0029073045"	2610110G12Rik	RIKEN cDNA 2610110G12 gene
1438511_a_at	"428363E-05"	"0030186861"	1190002H23Rik	RIKEN cDNA 1190002H23 gene
1455037_at	"473548E-05"	"0031880657"	<i>Plxna2</i>	plexin A2
1454877_at	"487742E-05"	"0031880657"	<i>Sertad4</i>	SERTA domain containing 4
1433991_x_at	"476285E-05"	"0031880657"	<i>Dbi</i>	diazepam binding inhibitor
1426762_s_at	"484473E-05"	"0031880657"	<i>Aof2</i>	amine oxidase (flavin containing) domain 2
1418025_at	"472838E-05"	"0031880657"	<i>Bhlhb2</i>	basic helix-loop-helix domain containing, class B2
1428741_at	"501933E-05"	"0032339574"	<i>Elavl4</i>	ELAV (embryonic lethal, abnormal vision, <i>Drosophila</i>)-like 4 (Hu antigen D)
1441899_x_at	"556171E-05"	"0035329415"	<i>Bcan</i>	Brevican
1433988_s_at	"588319E-05"	"0036256871"	C230098O21Rik	RIKEN cDNA C230098O21 gene
1433759_at	"594889E-05"	"0036256871"	<i>Dpy19l1</i>	dpy-19-like 1 (<i>C. elegans</i>)
1416021_a_at	"584597E-05"	"0036256871"	<i>Fabp5</i>	fatty acid binding protein 5, epidermal
1448162_at	"618342E-05"	"003718377"	<i>Vcam1</i>	vascular cell adhesion molecule 1
1422997_s_at	"649786E-05"	"0038560519"	<i>Acot1 / Acot2</i>	acyl-CoA thioesterase 1 / acyl-CoA thioesterase 2
1455156_at	"717147E-05"	"004104403"	<i>Strn</i>	striatin, calmodulin binding protein
1434889_at	"737138E-05"	"004104403"	<i>Plekha7</i>	pleckstrin homology domain containing, family A member 7
1426195_a_at	"714205E-05"	"004104403"	<i>Cst3</i>	cystatin C
1423175_s_at	"731349E-05"	"004104403"	<i>Pard6b</i>	par-6 (partitioning defective 6) homolog beta (<i>C. elegans</i>)
1420911_a_at	"728092E-05"	"004104403"	<i>Mfge8</i>	milk fat globule-EGF factor 8 protein
1437185_s_at	"817259E-05"	"0044408689"	<i>Tmsb10</i>	thymosin, beta 10
1427019_at	"816172E-05"	"0044408689"	<i>Ptprz1</i>	protein tyrosine phosphatase, receptor type Z, polypeptide 1
1433730_at	"925664E-05"	"004970045"	<i>Elmod2</i>	ELMO domain containing 2
1448396_at	"952268E-05"	"0050527358"	<i>Tmem131</i>	transmembrane protein 131
1436902_x_at	"974481E-05"	"0050770236"	<i>Tmsb10</i>	thymosin, beta 10
1423532_at	"97936E-05"	"0050770236"	<i>Rnf44</i>	ring finger protein 44
1416039_x_at	"0000101747"	"0052146634"	<i>Cyr61</i>	cysteine rich protein 61
1446973_at	"0000112448"	"0056983422"	5730405I09Rik	RIKEN cDNA 5730405I09 gene
1448147_at	"0000120814"	"0060542817"	<i>Tnfrsf19</i>	tumor necrosis factor receptor superfamily, member 19
1422150_at	"0000124815"	"0061860115"	<i>Hmx3</i>	H6 homeo box 3
1454196_at	"0000130542"	"0063995549"	4930568A13Rik	RIKEN cDNA 4930568A13 gene
1427993_at	"0000132123"	"0064073999"	<i>Rufy2</i>	RUN and FYVE domain-containing 2
1449093_at	"0000133875"	"006423296"	<i>Ctf1</i>	cardiotrophin 1
1437347_at	"0000137702"	"0065373634"	<i>Ednrb</i>	endothelin receptor type B
1431491_at	"000014668"	"006829018"	9430087N24Rik	RIKEN cDNA 9430087N24 gene
1422695_at	"0000146874"	"006829018"	<i>Ttyh1 / Taf1</i>	tweety homolog 1 (<i>Drosophila</i>) / TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor
1416055_at	"0000150232"	"006913878"	<i>Amy2 / 1810008N23Rik</i>	amylase 2, pancreatic / RIKEN cDNA 1810008N23 gene
1426231_at	"0000154106"	"0070205206"	<i>Vit</i>	vitrin
1418675_at	"0000166781"	"0075219949"	<i>Osmr</i>	oncostatin M receptor
1452758_s_at	"0000174709"	"0076500599"	<i>Eif4g2</i>	eukaryotic translation initiation factor 4, gamma 2
1448295_at	"0000173721"	"0076500599"	<i>D13Wsu50e</i>	DNA segment, Chr 13, Wayne State University 50, expressed
1433939_at	"0000172078"	"0076500599"	<i>A730046J16</i>	hypothetical protein A730046J16
1438680_at	"0000206097"	"0089376565"	<i>Auts2</i>	autism susceptibility candidate 2
1453304_s_at	"0000208356"	"008949606"	<i>Ly6e</i>	lymphocyte antigen 6 complex, locus E
1453162_at	"0000219084"	"0092501292"	<i>Utp11</i>	UTP11-like, U3 small nucleolar ribonucleoprotein, (yeast)
1436050_x_at	"0000221506"	"0092501292"	<i>Hes6</i>	hairy and enhancer of split 6 (<i>Drosophila</i>)
1415863_at	"0000220083"	"0092501292"	<i>Eif4g2</i>	eukaryotic translation initiation factor 4, gamma 2
1456387_at	"0000227115"	"0093973651"	<i>Nol4</i>	nucleolar protein 4
1448238_at	"0000232919"	"0095499006"	2700060E02Rik	RIKEN cDNA 2700060E02 gene
1459185_at	"0000235521"	"0095695783"	<i>Npat</i>	Nuclear protein in the AT region
1450175_a_at	"0000239878"	"0096595889"	<i>Ctsm</i>	cathepsin M
1456509_at	"0000245807"	"0098107464"	1110032F04Rik	RIKEN cDNA 1110032F04 gene
1460419_a_at	"0000248519"	"0098319735"	<i>Prkcb1</i>	protein kinase C, beta 1

We compared Group A, B and C cells and determined which probe sets showed significantly different expression levels between any two groups ($n=114$ probe sets, ANOVA, $FDR<0.1$). Since Groups A, B and C cells were all progenitors in apparently distinct differential states, we interpreted these probe sets (SigABC genes) as distinguishing progenitor cells that were undergoing differentiation, but not simply proliferative cells from post-mitotic cells.