

Table S1. GO functions that cluster CPC clones with similar morphology.

GO Function	Gene Name
Antibody dependent cellular toxicity	Fcgr3
	Lgh-4
	Lgh-1a
Cell death	Aplp1
	Clu
	Tnfrsf1a
Germ cell migration	CXC112
	CXCR4
Metal ion homeostasis	Mt3
	Mt1
Microtubule stabilization	Clasp1
	Clasp2
	Hdac6
	Mapt
	Rnf30
Morphogenesis of an epithelial sheet	Dag1
	Lama1
	Notch2
Neuronal migration	Pxmp3
	Pex5
	Pex5

Nitric oxide mediated signal transduction	Ddah2
	Mt1
Nucleolus organization and biogenesis	Nolc1
	Pes1
Peroxisome organization and biogenesis	Abcd3
	Abcd4
	Peci
	Pex3
	Pex5
	Pex7
	Pex11a
	Pex11b
	Pex11a
	Pex16
	Pex19
	Pipox
	Pxmp2
Pxmp3	
Regulation of cell adhesion	Cmar
	Prlr
	Pscd2
	Pscdbp
	Stat5a
	Stat5b
Response to heat	A030005K1

Dnajb3
Hspa1b
Hspa11
Hspa2
Hspa8
Hspa9a
Hspb1
Hsp105
Krtap5-1
Stk4
4833428E2

Retinoid metabolism

Adh5
Adh1
Rdh1
Rbp2
Rbp1

Sulfate assimilation

Papss1
Sult2b1
Sult1d1
