

Liu_Supplementary Table 1

PGC-specific genes

GO term Name	Uploaded genes	GO term p-value (corrected)
multicellular organismal development	35/385	2.96E-09
germ cell development	12/35	4.18E-09
spermatogenesis	29/286	6.60E-09
regulation of transcription, DNA-dependent	84/1750	8.46E-09
stem cell maintenance	11/48	1.94E-06
meiosis	10/44	9.19E-06
DNA meth. in gamete generation	612	1.89E-05
synaptonemal complex assembly	6/12	1.89E-05
piRNA metabolic process	5/9	1.04E-04
germ-line stem cell maintenance	4/5	1.61E-04
male gonad development	11/80	1.98E-04
negative regulation of transcription from RNA polymerase II promoter	31/534	2.00E-04
stem cell differentiation	7/28	2.41E-04
male meiosis	6/19	2.78E-04
synapsis	5/12	3.59E-04

Soma-specific genes

GO term Name	Uploaded genes	GO term p-value (corrected)
cell adhesion	78/320	5.07E-19
osteoblast differentiation	31/58	8.25E-18
signal transduction	128/745	1.44E-17
ossification	30/77	1.67E-12
male gonad development	30/80	4.84E-12
cell migration	36/117	1.25E-11
wound healing	29/78	1.42E-11
positive reg. of transcription from RNA pol II promoter	107/690	1.50E-11
heart development	46/185	2.13E-11
kidney development	33/105	5.29E-11
negative regulation of apoptotic process	76/426	5.53E-11
collagen fibril organization	19/35	6.03E-11
negative regulation of transcription from RNA polymerase II promoter	88/534	6.80E-11
negative regulation of cell proliferation	57/283	2.91E-10
anterior/posterior pattern specification	37/119	3.99E-10