

Supplementary Table S1 GO terms related to stem cell differentiation

Id	Term	pVal	Gene
GO:2000736	regulation of stem cell differentiation	0	GDNF
GO:0048866	stem cell fate specification	0	SOX17
GO:2000741	positive regulation of mesenchymal stem cell differentiation	0	SOX5; SOX9
GO:1902459	positive regulation of stem cell population maintenance	0.000651441	ESRRB; LOC101748883; NANOG; PRDM14; Pou5f3
GO:2000737	negative regulation of stem cell differentiation	0.003812373	ESRRB; H1FOO; HES5(part)
GO:2000035	regulation of stem cell division	0.025542455	ESRRB; SOX17
GO:2000647	negative regulation of stem cell proliferation	0.025542455	KDF1; OVOL2
GO:1902455	negative regulation of stem cell population maintenance	0.025542455	LOXL2; WNT9B
GO:0048103	somatic stem cell division	0.025542455	TGFB2; ZFP36L2 A2M; GPM6A;
GO:0048863	stem cell differentiation	0.045055186	HOXA7; LIF; LOC107053919 (part)
GO:0060218	hematopoietic stem cell differentiation	0.066187626	BATF; CHD2; MEOX1 DLL1; HES5;
GO:0097150	neuronal stem cell population maintenance	0.072138059	LOC107057363; LOC419390; MMP24
GO:0048864	stem cell development	0.086745573	FGF2
GO:0072038	mesenchymal stem cell maintenance involved in nephron morphogenesis	0.086745573	WNT9B
GO:1902035	positive regulation of hematopoietic stem cell proliferation	0.155908611	KITLG; PDCD2
GO:0017145	stem cell division	0.18427156	ESRRB; GNL3; RGS10
GO:0005173	stem cell factor receptor binding	0.20915181	KITLG
GO:0072091	regulation of stem cell proliferation	0.20915181	SOX17
GO:0072089	stem cell proliferation	0.245629596	FGF2; TRIM71 CUL4A; SALL1;
GO:0035019	somatic stem cell population maintenance	0.315177703	SALL4; SOX2; SOX9 (part)
GO:0071425	hematopoietic stem cell proliferation	0.340581553	CD34; MECOM
GO:0019827	stem cell population maintenance	0.664602719	EOMES; ESRRB; GNL3; LIF (part)