

Supplementary Table S2. Gene set enrichment analysis annotation of 13 published embryonic stem cell related signatures

Group	Gene set	Gene set name	Number of genes	Source	Reference
ES expressed	Expressed in ES_1	ES1	380	overexpressed in hES cells according to five or more out of 20 profiling studies	(1)
	Expressed in ES_2	ES2	40	overexpressed in hES cells according to a meta-analysis of eight profiling studies	(1)
NOS targets	NANOG targets	NANOG	988	ChIP array of Nanog in hES cells; activated genes	(2)
	OCT4 targets	OCT4	290	ChIP array of Oct4 in hES cells; activated genes	(2)
	SOX2 targets	SOX2	734	ChIP array of Sox2 in hES cells; activated genes	(2)
	NOS targets	NOS	179	overlap of above three sets	(2)
	NOS TFs	NOSTF	37	Transcription regulators in NOS targets set	(2)
Polycomb targets	SUZ12 targets	SUZ12	1040	ChIP array of Suz12 in hES cells	(3)
	EED targets	EED	1066	ChIP array of Eed in hES cells	(3)
	H3K27me3 bound	H3K27	1121	ChIP array of trimethylated H3K27 in hES cells	(3)
	Targets of PRC2 (1)	PRC2_targets1	654	overlap of three above sets	(3)
	Targets of PRC2 (2)	PRC2_targets2	140	PRC2 repressed targets from siRNA but can be transcriptionally reactivated by DZNep, a chromatin remodelling compound	(4)
Homeobox genes	Homeobox genes	HOMEBOX	270	Keyword 'Homeobox' from UniProt database in Homo sapiens	(5)

References

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