

Table S6 The expressions of central nodes in HESCs-ESERs, ESERs-FLERs and FLERs-PBERs comparisons.

	Symbol	Description	HESC	ESER	FLER	PBER
Central nodes in HESCs-ESERs comparison						
NM_002467	MYC	Homo sapiens v-myc myelocytomatosis viral oncogene homolog (avian) (MYC), mRNA	16.1214	46.4609	32.0935	14.3513
NM_000660	TGFB1	Homo sapiens transforming growth factor, beta 1 (TGFB1), mRNA	1.20404	6.9097	0.29899	1.24658
NM_021975	RELA	Homo sapiens v-rel reticuloendotheliosis viral oncogene homolog A (avian) (RELA), transcript variant 1, mRNA	2.68487	11.4536	2.12555	2.69027
NM_002188	IL13	Homo sapiens interleukin 13 (IL13), mRNA	0	0.12519	0	0
NM_000389	CDKN1A	Homo sapiens cyclin-dependent kinase inhibitor 1A (p21, Cip1) (CDKN1A), transcript variant 1, mRNA	20.6743	211.401	1.95839	2.91612
NM_005194	CEBPB	Homo sapiens CCAAT/enhancer binding protein (C/EBP), beta (CEBPB), mRNA	4.61296	29.6006	6.78817	12.7717
NM_173843	IL1RN	Homo sapiens interleukin 1 receptor antagonist (IL1RN), transcript variant 4, mRNA	0	0.23381	1.74364	1.81141
NM_002738	PRKCB	Homo sapiens protein kinase C, beta (PRKCB), transcript variant 2, mRNA	1.75367	12.8339	0.78949	1.09504
NM_001001890	RUNX1	Homo sapiens runt-related transcription factor 1 (RUNX1), transcript variant 2, mRNA	0.28308	3.54796	1.84288	0.8711
NM_004176	SREBF1	Homo sapiens sterol regulatory element binding transcription factor 1 (SREBF1), transcript variant 2, mRNA	3.59926	14.8463	8.3929	15.3626
NM_001080547	SPI1	Homo sapiens spleen focus forming virus (SFFV) proviral integration oncogene spi1 (SPI1), transcript variant 1, mRNA	0	1.27668	0.66423	0
NM_004417	DUSP1	Homo sapiens dual specificity phosphatase 1 (DUSP1), mRNA	2.3255	15.2198	15.7729	19.0997
NM_002229	JUNB	Homo sapiens jun B proto-oncogene (JUNB), mRNA	2.90735	115.37	34.1188	41.6402
NM_201559	FOXO3	Homo sapiens forkhead box O3 (FOXO3), transcript variant 2, mRNA	3.82981	41.9165	5.5781	5.08407
NM_003153	STAT6	Homo sapiens signal transducer and activator of transcription 6, interleukin-4 induced (STAT6), mRNA	3.00031	10.5814	1.84211	3.5892
NM_139014	MAPK14	Homo sapiens mitogen-activated protein kinase 14 (MAPK14), transcript variant 4, mRNA	8.8531	17.9598	12.9651	7.9829
NM_001025369	VEGFA	Homo sapiens vascular endothelial growth factor A (VEGFA), transcript variant 5, mRNA	6.19193	57.6704	10.4332	39.1372
NM_001025366	VEGFA	Homo sapiens vascular endothelial growth factor A (VEGFA), transcript variant 1, mRNA	6.03256	55.5369	10.0247	37.5783
NM_003376	VEGFA	Homo sapiens vascular endothelial growth factor A (VEGFA), transcript variant 2, mRNA	6.05933	56.1092	10.145	38.0909
NM_001033756	VEGFA	Homo sapiens vascular endothelial growth factor A (VEGFA), transcript variant 7, mRNA	6.0721	56.8246	10.0992	39.0855
NM_001025370	VEGFA	Homo sapiens vascular endothelial growth factor A (VEGFA), transcript variant 6, mRNA	6.24437	58.7968	10.5704	39.9264
NM_001025367	VEGFA	Homo sapiens vascular endothelial growth factor A (VEGFA), transcript variant 3, mRNA	6.06767	56.3551	10.1742	38.2239
NM_001025368	VEGFA	Homo sapiens vascular endothelial growth factor A (VEGFA), transcript variant 4, mRNA	6.16046	57.2169	10.3298	38.8085
Central nodes in ESERs-FLERs comparison						
NM_000657	BCL2	Homo sapiens B-cell CLL/lymphoma 2 (BCL2), nuclear gene encoding mitochondrial protein, transcript variant beta, m	1.0507	0	0.58162	0
NM_007297	BRCA1	Homo sapiens breast cancer 1, early onset (BRCA1), transcript variant 3, mRNA	5.18101	2.62737	6.72567	6.63047
NM_001012270	BIRC5	Homo sapiens baculoviral IAP repeat-containing 5 (BIRC5), transcript variant 2, mRNA	20.9257	11.215	25.4	7.37035
NM_182649	PCNA	Homo sapiens proliferating cell nuclear antigen (PCNA), transcript variant 2, mRNA	36.3659	32.9024	105.796	30.6522
NM_001008540	CXCR4	Homo sapiens chemokine (C-X-C motif) receptor 4 (CXCR4), transcript variant 1, mRNA	1.04481	0.3049	1.68623	0.9921
Central nodes in FLERs-PBERs comparison						
NM_000660	TGFB1	Homo sapiens transforming growth factor, beta 1 (TGFB1), mRNA	1.20404	6.9097	0.29899	1.24658
NM_201413	APP	Homo sapiens amyloid beta (A4) precursor protein (APP), transcript variant 2, mRNA	121.945	9.5129	1.85564	6.47543
NM_000584	IL8	Homo sapiens interleukin 8 (IL8), mRNA	0.4312	0.67966	0	1.89556
NM_005252	FOS	Homo sapiens FBJ murine osteosarcoma viral oncogene homolog (FOS), mRNA	3.84005	5.88667	6.73481	23.199
NM_001109891	MAPK3	Homo sapiens mitogen-activated protein kinase 3 (MAPK3), transcript variant 3, mRNA	8.56749	5.65051	0.44689	2.75487
NM_033668	ITGB1	Homo sapiens integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12) (ITGB1)	55.9085	10.6285	14.7196	34.5583
NM_001001390	CD44	Homo sapiens CD44 molecule (Indian blood group) (CD44), transcript variant 3, mRNA	4.82433	4.18547	2.01682	5.65703
NM_138957	MAPK1	Homo sapiens mitogen-activated protein kinase 1 (MAPK1), transcript variant 2, mRNA	11.48	8.87716	2.81134	5.90719
NM_001025369	VEGFA	Homo sapiens vascular endothelial growth factor A (VEGFA), transcript variant 5, mRNA	6.19193	57.6704	10.4332	39.1372
NM_001025366	VEGFA	Homo sapiens vascular endothelial growth factor A (VEGFA), transcript variant 1, mRNA	6.03256	55.5369	10.0247	37.5783
NM_003376	VEGFA	Homo sapiens vascular endothelial growth factor A (VEGFA), transcript variant 2, mRNA	6.05933	56.1092	10.145	38.0909
NM_001033756	VEGFA	Homo sapiens vascular endothelial growth factor A (VEGFA), transcript variant 7, mRNA	6.0721	56.8246	10.0992	39.0855
NM_001025370	VEGFA	Homo sapiens vascular endothelial growth factor A (VEGFA), transcript variant 6, mRNA	6.24437	58.7968	10.5704	39.9264
NM_001025367	VEGFA	Homo sapiens vascular endothelial growth factor A (VEGFA), transcript variant 3, mRNA	6.06767	56.3551	10.1742	38.2239
NM_001025368	VEGFA	Homo sapiens vascular endothelial growth factor A (VEGFA), transcript variant 4, mRNA	6.16046	57.2169	10.3298	38.8085