

Development of a Focused Microarray to Assess Human Embryonic Stem Cell Differentiation
Supplementary Table 4

Genes over-expressed in hEC NTERA-2 compared to hURNA ^a								
Category	Gene	UniGene No.	Ratio	SD ^b	Gene	UniGene No.	Ratio	SD ^b
ES	AURKB	Hs.442658	1.7	0.26	OK/SW-cl.56	Hs.356729	2.0	0.18
	CCT8	Hs.416211	2.5	0.99	POU5F1	Hs.249184	4.6	0.00
	CD24	Hs.375108	2.8	0.71	PSMA2	Hs.333786	4.2	0.93
	CRABP2	Hs.183650	2.1	1.05	PTTG1	Hs.350966	1.5	0.00
	GAL	Hs.278959	3.0	0.94	RPL24	Hs.184582	3.3	0.05
	GJA1	Hs.74471	2.7	0.68	RPL4	Hs.186350	3.3	0.16
	HMGA1	Hs.57301	4.2	0.90	RPL6	Hs.528668	6.3	0.13
	HMGB2	Hs.434953	2.9	0.54	RPL7	Hs.421257	2.9	0.09
	HNRPAB	Hs.81361	1.6	0.28	RPLP0	Hs.443796	3.2	0.22
	HSPA4	Hs.90093	1.8	0.51	RPS24	Hs.356794	4.7	0.14
	KRT18	Hs.406013	1.9	0.22	SET	Hs.436687	1.9	0.00
	KRT8	Hs.356123	2.9	0.79	SFRP2	Hs.31386	1.9	0.34
	LAPTM4B	Hs.296398	1.7	0.39	ZNF117	Hs.250693	1.7	0.45
	LDHB	Hs.234489	8.2	0.11	ZNF257	Hs.283900	2.8	0.59
	LIN28	Hs.86154	14.1	4.21	ZNF43	Hs.419763	3.7	0.33
	MGST1	Hs.389700	2.2	0.00	clone RP3-447F3		2.8	0.00
	NASP	Hs.446206	3.1	0.00	clone RP11-438F9		3.3	0.00
	NBR2	Hs.375149	2.8	0.00	clone RP3-334F4		4.2	0.00
	NME2	Hs.433416	2.1	0.00	clone RP11-248N6		3.6	0.00
	NPM1	Hs.411098	2.9	0.00				
EB	None							
Others	AURKB	Hs.442658	1.7	0.12	LOC51685		3.1	0.13
	CGI-94	Hs.111449	1.5	0.00	PHC1	Hs.305985	1.7	0.00
	FGF5	Hs.37055	2.3	0.00	RPS4L	Hs.447032	2.4	0.12
	HSPA8	Hs.180414	2.6	0.15	TEBP	Hs.355693	1.6	0.20
	HSPC163	Hs.445890	1.6	0.00	ZNF117	Hs.250693	1.7	0.00
	HSPCA	Hs.446579	2.6	0.13	clone 38C16		3.8	0.00
	HSPCB	Hs.74335	1.9	0.07	clone RP1-269M15		4.4	0.18
	HSPD1	Hs.79037	3.1	0.00	clone RP11-371L19		2.1	0.04
	K-ALPHA-1	Hs.446608	1.8	0.00	clone RP5-1028D15		2.0	0.13
	LIN28	Hs.86154	14.1	0.00	clone RP11-352D3		3.1	0.23
	LOC402057	Hs.512525	4.6	0.34				

¹ Total RNA derived from NTERA-2 cell line was labeled with Cy5 and huURNA with Cy3, and hybridized to focused array. Data shown represent means of the gene expression ratios of NTERA-2 to hURNA from triplicate spots.

² SD, standard deviation of means.