

Selected 37 pluripotency marker genes

no	ProbeName	GeneSymbol	UniGeneID	GeneName	Description	Fold change (LAB-inc. cells-1 vs HDF-1)	Regulation (LAB-inc. cells-1 vs HDF-1)	Fold change (LAB-inc. cells-2 vs HDF-2)	Regulation (LAB-inc. cells-2 vs HDF-2)	raw data (LAB-inc. cells-1)	raw data (HDF-1)	raw data (LAB-inc. cells-2)	raw data (HDF-2)	Flag (LAB-inc. cells-1)	Flag (HDF-1)	Flag (LAB-inc. cells-2)	Flag (HDF-2)
1	A.23.P110851	TERT	Hs.492203	telomerase reverse transcriptase	Human telomerase reverse transcriptase (TERT), transcript variant 1. mRNA (NM_186253)	1.02313	up	1.01886	up	95.27264	96.42165	41.57469	35.98146	Detected	Detected	Detected	Detected
2	A.23.P13899	IAPDH	Hs.544577	glyceraldehyde-3-phosphate dehydrogenase	Human glyceraldehyde-3-phosphate dehydrogenase (GAPDH), mRNA (NM_000344)	1.10914	up	1.04260	down	135016.67000	126047.44500	135888.95000	124930.41000	Detected	Detected	Detected	Detected
3	A.23.P14058	ZNF296	Hs.192237	zinc finger protein 296	Human zinc finger protein 296 (ZNF296), mRNA (NM_145288)	1.15618	down	1.50267	down	85.84721	102.77403	57.32899	76.02688	Detected	Detected	Detected	Detected
4	A.23.P162547	MYL2	Hs.75555	myosin, light chain 2, regulatory, cardiac, slow	Human myosin, light chain 2, regulatory, cardiac, slow (MYL2), mRNA (NM_000432)	3.15344	down	2.83932	down	73.80911	241.00575	36.16277	90.45007	Detected	Detected	Detected	Detected
5	A.23.P204640	NANOG	Hs.661360	Nanoq homeobox	Human Nanoq homeobox (NANOG), mRNA (NM_024855)	8.45846	up	6.81780	up	129.54599	15.85863	67.59573	8.73784	Detected	Compromised	Detected	Compromised
6	A.23.P202739	MEF2C	Hs.649995	myocyte enhancer factor 2C	Human myocyte enhancer factor 2C (MEF2C), transcript variant 1. mRNA (NM_002397)	1.95959	down	1.70027	down	169.57979	384.67180	155.37459	242.54076	Detected	Detected	Detected	Detected
7	A.23.P23223	KLF4	Hs.376206	Kruppel-like factor 4 (gta)	Human Kruppel-like factor 4 (gta) (KLF4), mRNA (NM_004295)	1.02345	down	1.00169	down	652.56530	691.54694	832.71185	735.51825	Detected	Detected	Detected	Detected
8	A.23.P342709	FBXO15	Hs.664011	F-box protein 15	Human F-box protein 15 (FBXO15), transcript variant 1. mRNA (NM_153576)	2.60037	up	2.41878	up	78.46852	31.84416	75.18104	27.40072	Detected	Detected	Detected	Detected
9	A.23.P34700	TNNI2	Hs.533813	troponin T type 2 (cardiac)	Human troponin T type 2 (cardiac) (TNNI2), transcript variant 1. mRNA (NM_000064)	2.09040	down	1.32848	down	28.24185	61.13021	12.93388	15.15124	Detected	Detected	Compromised	Compromised
10	A.23.P366376	TDGF1	Hs.385870	teratocarcinoma-derived growth factor 1	Human teratocarcinoma-derived growth factor 1 (TDGF1), mRNA (NM_002112)	1.72332	down	2.56912	up	5.63538	10.05583	7.38659	2.53227	Compromised	Compromised	Compromised	Compromised
11	A.23.P380526	DPPA4	Hs.317659	developmental pluripotency associated 4	Human developmental pluripotency associated 4 (DPPA4), mRNA (NM_018189)	1.30213	down	1.17999	down	2.62040	3.53308	2.85058	2.96604	Compromised	Compromised	Compromised	Compromised
12	A.23.P395582	ZFP42	Hs.335787	zinc finger protein 42 homolog (mouse)	Human zinc finger protein 42 homolog (mouse) (ZFP42), mRNA (NM_174995)	1.26799	down	3.52599	up	2.37460	3.11772	10.32920	2.58316	Compromised	Compromised	Compromised	Compromised
13	A.23.P401055	SOX2	Hs.518438	SRY (sex determining region Y)-box 2	Human SRY (sex determining region Y)-box 2 (SOX2), mRNA (NM_001016)	1.27169	down	1.17703	down	2.28901	3.01412	2.38275	2.47306	Compromised	Compromised	Compromised	Compromised
14	A.23.P405885	DPPA2	Hs.351113	developmental pluripotency associated 2	Human developmental pluripotency associated 2 (DPPA2), mRNA (NM_138113)	1.27124	down	1.03344	down	2.37853	3.12827	2.87285	2.61798	Compromised	Compromised	Compromised	Compromised
15	A.23.P46894	CHAT	Hs.302002	choline acetyltransferase	Human choline acetyltransferase (CHAT), transcript variant M. mRNA (NM_020549)	1.18237	down	1.03032	up	58.58826	71.73039	20.01846	17.13267	Detected	Detected	Detected	Detected
16	A.23.P59138	POU5F1	Hs.249184	POU class 5 homeobox 1	Human POU class 5 homeobox 1 (POU5F1), transcript variant 1. mRNA (NM_002701)	2.94692	up	2.98804	up	665.32104	233.77395	520.54330	153.08511	Detected	Detected	Detected	Detected
17	A.23.P59738	MYL7	Hs.75636	myosin, light chain 7, regulatory	Human myosin, light chain 7, regulatory (MYL7), mRNA (NM_027253)	1.27226	down	1.24645	down	36.03686	47.51137	20.32652	22.34098	Detected	Detected	Detected	Detected
18	A.23.P72817	GDF3	Hs.86232	growth differentiation factor 3	Human growth differentiation factor 3 (GDF3), mRNA (NM_020654)	1.31792	up	1.15925	down	5.28466	4.15205	3.59586	3.67574	Compromised	Compromised	Compromised	Compromised
19	A.23.P73632	NROB1	Hs.286490	nuclear receptor subfamily 0 group B, member 1	Human nuclear receptor subfamily 0 group B, member 1 (NROB1), mRNA (NM_009475)	6.53813	up	6.99447	up	257.53006	40.78642	306.05145	38.58382	Detected	Detected	Detected	Detected
20	A.23.P74895	LN28	Hs.86154	lin-28 homolog (C. elegans)	Human lin-28 homolog (C. elegans) (LN28), mRNA (NM_024614)	1.52183	up	2.08789	down	22.24938	15.13858	4.23973	7.80570	Detected	Detected	Compromised	Compromised
21	A.23.P95594	NAT1	Hs.591847	N-acetyltransferase 1 (arylamine N-acetyltransferase)	Human N-acetyltransferase 1 (arylamine N-acetyltransferase) (NAT1), transcript variant 5. mRNA (NM_000662)	1.31388	down	1.27421	down	591.03156	804.14450	529.49400	594.93370	Detected	Detected	Detected	Detected
22	A.24.P141227	LMX1B	Hs.129133	LIM homeobox transcription factor 1, beta	Human LIM homeobox transcription factor 1, beta (LMX1B), mRNA (NM_002316)	1.02012	up	1.89265	down	12.01103	12.19164	3.88598	6.48542	Compromised	Compromised	Compromised	Compromised
23	A.24.P282383	MYH7	Hs.678918	myosin, heavy chain 7, cardiac muscle, beta	Human myosin, heavy chain 7, cardiac muscle, beta (MYH7), mRNA (NM_000237)	1.31048	down	1.25126	down	2.59871	3.52632	2.84199	3.13572	Compromised	Compromised	Compromised	Compromised
24	A.24.P314585	ERAS	Hs.447330	ES cell expressed Ras	Human ES cell expressed Ras (ERAS), mRNA (NM_181332)	1.14202	up	1.31809	up	11.08622	10.05175	9.40884	6.29443	Compromised	Compromised	Compromised	Compromised
25	A.24.P355720	FGF4	Hs.1755	fibroblast growth factor 4	Human fibroblast growth factor 4 (FGF4), mRNA (NM_000697)	1.12486	down	1.17092	down	32.74595	38.14063	12.24211	12.64010	Detected	Detected	Compromised	Compromised
26	A.32.P233990	DPPA5	Hs.125531	developmental pluripotency associated 5	Human developmental pluripotency associated 5 (DPPA5), mRNA (NM_001020390)	1.33378	down	1.17393	down	2.69710	3.72490	3.03895	3.14580	Compromised	Compromised	Compromised	Compromised
27	A.33.P3214665	MAP2	Hs.388281	microtubule-associated protein 2	Human microtubule-associated protein 2 (MAP2), transcript variant 1. mRNA (NM_002374)	1.10565	down	1.07913	down	1285.73000	1471.96940	1054.59330	1003.51416	Detected	Detected	Detected	Detected
28	A.33.P3217719	TLE1	Hs.197320	transducin-like enhancer of split 1 (Ets1) homolog (Drosophila)	Human transducin-like enhancer of split 1 (Ets1) homolog (Drosophila) (TLE1), mRNA (NM_005077)	1.35853	down	1.01156	up	325.97156	458.54380	222.32104	193.80008	Detected	Detected	Detected	Detected
29	A.33.P3294217	UTF1	Hs.458406	undifferentiated embryonic cell transcription factor 1	Human undifferentiated embryonic cell transcription factor 1 (UTF1), mRNA (NM_003577)	1.36354	down	1.11815	down	13114.74100	18516.54100	2629.22200	2592.33670	Detected	Detected	Detected	Detected
30	A.33.P3296599	NKX2-5	Hs.54473	NK2 transcription factor related, locus 5 (Drosophila)	Human NK2 transcription factor related, locus 5 (Drosophila) (NKX2-5), transcript variant 2. mRNA (NM_001166175)	1.11610	down	1.06543	down	83453.80000	96445.89000	106123.38000	101573.06000	Detected	Detected	Detected	Detected
31	A.33.P3300217	MYLK3	Hs.130465	myosin light chain kinase 3	Human myosin light chain kinase 3 (MYLK3), mRNA (NM_182461)	1.06937	up	1.00590	up	3.33003	3.22442	3.13806	2.70589	Compromised	Compromised	Compromised	Compromised
32	A.33.P3303712	SLC6A3	Hs.406	solute carrier family 6 (neurotransmitter transporter, dopamine), member 3	Human solute carrier family 6 (neurotransmitter transporter, dopamine), member 3 (SLC6A3), mRNA (NM_001044)	1.47399	down	3.54998	down	203.10928	309.99643	164.00641	513.39600	Detected	Detected	Detected	Detected
33	A.33.P3312682	REXO1	Hs.192477	REX1, RNA exosome 1 homolog (S. cerevisiae)	Human REX1, RNA exosome 1 homolog (S. cerevisiae) (REXO1), mRNA (NM_020868)	1.38441	down	1.33395	down	58889.76500	84418.44500	23861.44300	23067.45000	Detected	Detected	Detected	Detected
34	A.33.P3359004	DDC	Hs.359988	dopa decarboxylase (aromatic L- amino acid decarboxylase)	Human dopa decarboxylase (aromatic L- amino acid decarboxylase) (DDC), transcript variant 1. mRNA (NM_001242890)	1.27307	down	1.16312	down	2.39509	3.14406	2.56508	2.63082	Compromised	Compromised	Compromised	Compromised
35	A.33.P3359508	DNMT3B	Hs.713611	DNA (cytosine-5)-methyltransferase 3 beta	Human DNA (cytosine-5)-methyltransferase 3 beta (DNMT3B), transcript variant 1. mRNA (NM_001005372)	2.34031	down	2.10028	up	2.66052	6.44722	7.67818	3.22364	Compromised	Compromised	Compromised	Compromised
36	A.33.P3367636	DBP/ZZ1	Hs.128326	chromosome 6 open reading frame 221	Human chromosome 6 open reading frame 221 (DBP/ZZ1), mRNA (NM_001077361)	20.27000	up	22.70337	up	109.27738	5.58226	82.21005	3.19301	Detected	Compromised	Detected	Compromised
37	A.33.P3631022	LOC10027066	Hs.333720	hypothetical LOC100270660	Human D-MYC proto-oncogene regulatory region (A2) (LOC100270660)	1.74879	up	1.20201	down	14.60249	8.65605	3.97881	4.21723	Detected	Compromised	Compromised	Compromised