

Additional file 1. Normalized expression levels for selected genes as determined by microarray analysis

Stem cell markers

Probe Set ID	PT1	PT2	PT3	PT4	PT5	PT6	Gene Symbol	mRNA Accession
7970727	314.626635	298.269366	225.084515	272.437408	272.437408	272.437408	CDX2	NM_001265
7987365	104.918989	93.2385071	79.2542282	106.533991	100.733658	104.668535	NANOG	NM_024865
8124889	156.479299	147.00078	125.748293	147.00078	147.00078	147.00078	POU5F1	NM_002701
8084165	788.279803	1923.79586	2927.57416	3864.02845	2988.40507	3238.14079	SOX2	NM_003106
8015607	1312.98981	2095.32744	2639.94105	2991.72116	2026.70444	1971.78973	STAT3	NM_139276
8099476	40.3842824	147.727541	270.552545	51.9273969	57.2597315	363.494569	PROM1	NM_006017
7921088	490.320748	1543.79984	2099.65998	2127.12633	1589.77844	1738.34654	NES	NM_006617

Nervous System markers

Probe Set ID	PT1	PT2	PT3	PT4	PT5	PT6	Gene Symbol	mRNA Accession
7980580	114.736054	57.9670033	135.741495	324.544838	479.867069	295.958073	GALC*	NM_000153
8016128	276.637322	1101.84838	3275.5694	4939.87904	2121.48682	328.115969	GFAP	NM_002055
8047926	128.100562	1387.20953	1623.20556	3092.76178	3563.27966	3086.44421	MAP2	NM_002374
8072229	131.621011	115.282363	77.8014965	115.17829	115.282363	115.282363	NEFH	NM_021076
7998063	1147.54897	1105.3289	843.572936	1281.11121	1080.7971	1038.90642	TUBB3	NM_006086
7927482	204.115793	191.536429	134.546122	172.39164	175.210813	184.370241	CHAT	NM_020549
7945712	315.340574	258.091533	177.777262	225.01775	279.138633	253.748943	TH	NM_199292
8062539	215.946481	133.511296	134.245415	167.870044	155.361153	157.715976	SLC32A1	NM_080552
7938975	75.2493388	49.8919447	44.3598936	56.564461	57.543258	56.564461	SLC17A6	NM_020346
8038367	164.594464	140.662212	139.530142	140.662212	137.231037	140.305913	SLC17A7	NM_020309
8105220	158.04395	120.660863	98.9207999	120.660863	124.491463	115.453172	ISL1	NM_002202
8023889	149.859424	120.284172	85.7582761	105.517099	128.026531	109.623326	MBP	NM_001025101
8068231	158.807474	459.441383	605.612847	572.491713	530.344134	531.097526	OLIG2	NM_005806

PDGF receptor and IDH gene transcripts

Probe Set ID	PT1	PT2	PT3	PT4	PT5	PT6	Gene Symbol	mRNA Accession
8095080	4679.53674	558.105866	1739.94984	3898.78802	2349.81262	3655.2136	PDGFRA	NM_006206
8115099	226.347726	189.568047	258.072928	177.641765	240.329177	208.87022	PDGFRB	NM_002609
7985134	1489.70402	1113.51093	1195.7748	1412.9454	851.3243	780.04795	IDH3A	NM_005530
7991374	990.547261	1331.52149	1111.30569	1000.83193	1113.84286	1205.59531	IDH2	NM_002168
8058552	1838.95441	2815.56746	2803.90159	3831.57014	3516.19655	4648.17928	IDH1	NM_005896
8064522	1176.38127	1688.44562	1448.33538	1408.6134	1581.62296	1048.78991	IDH3B	NM_174856
8175844	879.742805	1218.34753	1264.89332	981.672506	892.637744	821.203519	IDH3G	NM_174869

*GALC is included in the 34 regulated genes (Table 2)