

characterization of proliferation, differentiation potential, and gene expression among clonal cultures of human dental pulp cells

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Supplemental Table S4. DNA microarray data of 95 selected probesets related to multipotency and 'stemness or differentiation'.

Signal intensity values <100 are shaded in grey; values >1000 are represented in red letters. Ratios <0.67 are shaded in blue; ratios <0.83 are shaded in light blue.

Ratios >1.5 are shaded in pink; ratios >1.2 are shaded in light pink.

ProbeSet ID	Gene Symbol	cl21_signal	cl4_signal	cl35_signal	cl29_signal	cl38_signal	ratio 21/29	ratio 4/29	ratio 35/29	ratio 29/38	ratio 4/38	ratio 21/38	ratio 35/38	Location	Type(s)
8140650	SEMA3E	24	48	68	244	263	0.1	0.2	0.3	0.9	0.2	0.1	0.3	Extracellular Space	other
7973974	PAX9	587	610	130	1559	2090	0.4	0.4	0.1	0.7	0.3	0.3	0.1	Nucleus	transcription regulator
8140686	SEMA3D	496	699	920	1634	2613	0.3	0.4	0.6	0.6	0.3	0.2	0.4	Extracellular Space	other
8091537	IGSF10	34	50	43	74	189	0.5	0.7	0.6	0.4	0.3	0.2	0.2	unknown	other
8046922	COL3A1	2071	1648	2123	3354	4465	0.6	0.5	0.6	0.8	0.4	0.5	0.5	Extracellular Space	other
7961798	SOX5	80	71	110	139	171	0.6	0.5	0.8	0.8	0.4	0.5	0.6	Nucleus	transcription regulator
7932254	ITGA8	4644	4130	2372	5718	6662	0.8	0.7	0.4	0.9	0.6	0.7	0.4	Plasma Membrane	other
8095545	RUFY3	275	426	426	445	787	0.6	1.0	1.0	0.6	0.5	0.3	0.5	Plasma Membrane	other
8139212	GLI3	345	827	667	905	1056	0.4	0.9	0.7	0.9	0.8	0.3	0.6	Nucleus	transcription regulator
8138442	TWIST1	545	885	738	1074	1185	0.5	0.8	0.7	0.9	0.7	0.5	0.6	Nucleus	transcription regulator
7973530	PCK2	1058	774	608	1220	1253	0.9	0.6	0.5	1.0	0.6	0.8	0.5	Cytoplasm	kinase
7943620	ATM	505	568	623	640	845	0.8	0.9	1.0	0.8	0.7	0.6	0.7	Nucleus	kinase
8076331	TOB2	559	865	886	919	1062	0.6	0.9	1.0	0.9	0.8	0.5	0.8	Nucleus	other
8145865	GPR124	1269	1541	1335	1691	1842	0.8	0.9	0.8	0.9	0.8	0.7	0.7	Plasma Membrane	G-protein coupled receptor
7935968	LDB1	2160	2369	2599	2815	3151	0.8	0.8	0.9	0.9	0.8	0.7	0.8	Nucleus	transcription regulator
8042439	ANTXR1	1588	1379	1784	1942	1950	0.8	0.7	0.9	1.0	0.7	0.8	0.9	Plasma Membrane	transmembrane receptor
8134263	COL1A2	8190	8134	8960	8973	10817	0.9	0.9	1.0	0.8	0.8	0.8	0.8	Extracellular Space	other
8001306	SIAH1	297	296	297	312	355	1.0	1.0	1.0	0.9	0.8	0.8	0.8	Nucleus	enzyme
8109981	FGF18	151	151	148	156	176	1.0	1.0	1.0	0.9	0.9	0.9	0.8	Extracellular Space	growth factor
8160663	AQP7	119	119	119	123	124	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Plasma Membrane	transporter
8137979	ACTB	10177	9947	9969	9842	9529	1.0	1.0	1.0	1.0	1.0	1.1	1.0	Cytoplasm	other
7923027	GLRX2	215	207	207	207	196	1.0	1.0	1.0	1.1	1.1	1.1	1.1	Cytoplasm	enzyme
8050215	YWHAQ	6519	6527	6327	6300	6039	1.0	1.0	1.0	1.0	1.1	1.1	1.0	Cytoplasm	other
8109194	SLC26A2	336	361	349	323	322	1.0	1.1	1.1	1.0	1.1	1.0	1.1	Plasma Membrane	transporter
8061136	PTMA	11139	11215	11203	10603	10185	1.1	1.1	1.1	1.0	1.1	1.1	1.1	Nucleus	other
7991332	MESPI	280	280	293	279	254	1.0	1.0	1.0	1.1	1.1	1.1	1.2	Nucleus	transcription regulator
7947540	TRAF6	532	448	449	442	432	1.2	1.0	1.0	1.0	1.0	1.2	1.0	Cytoplasm	enzyme
7949067	BAD	412	407	410	406	357	1.0	1.0	1.0	1.1	1.1	1.2	1.1	Cytoplasm	other
7898988	CLIC4	6959	7233	6547	6404	6162	1.1	1.1	1.0	1.0	1.2	1.1	1.1	Plasma Membrane	ion channel
7961022	PTMA	4342	4899	4342	4131	4051	1.1	1.2	1.1	1.0	1.2	1.1	1.1	Nucleus	other
7954006	PTMA	4184	4693	4182	3977	3871	1.1	1.2	1.1	1.0	1.2	1.1	1.1	Nucleus	other
7985983	NGRN	618	593	586	545	532	1.1	1.1	1.1	1.0	1.1	1.2	1.1	Nucleus	other
7936661	PRDX3	1719	1878	1673	1588	1546	1.1	1.2	1.1	1.0	1.2	1.1	1.1	Cytoplasm	enzyme
8166455	PRDX4	935	879	853	841	758	1.1	1.0	1.0	1.1	1.2	1.2	1.1	Cytoplasm	enzyme
8142468	TPM3	5250	5175	5091	5080	4338	1.0	1.0	1.0	1.2	1.2	1.2	1.2	Cytoplasm	other
8060850	BMP2	131	154	131	131	116	1.0	1.2	1.0	1.1	1.3	1.1	1.1	Extracellular Space	growth factor
8114158	PPBP2CA	2237	2253	2115	1985	1877	1.1	1.1	1.1	1.1	1.2	1.2	1.1	Cytoplasm	phosphatase
8040142	CPSF3	629	577	515	514	489	1.2	1.1	1.0	1.1	1.2	1.3	1.1	Nucleus	enzyme
7940530	C1orf9	105	100	101	91	86	1.2	1.1	1.1	1.1	1.2	1.2	1.2	Nucleus	transcription regulator
8138189	RPA3	164	158	145	144	128	1.1	1.1	1.0	1.1	1.2	1.3	1.1	Nucleus	other
8027402	CCNE1	155	138	134	122	120	1.3	1.1	1.1	1.0	1.2	1.3	1.1	Plasma Membrane	transcription regulator
8018364	GRB2	673	704	664	613	556	1.1	1.1	1.1	1.1	1.3	1.2	1.2	Cytoplasm	other
8073733	NUP50	166	155	155	144	126	1.2	1.1	1.1	1.1	1.2	1.3	1.2	Nucleus	transporter
8046461	ZAK	1357	1190	1184	1063	1002	1.3	1.1	1.1	1.1	1.2	1.4	1.2	Cytoplasm	kinase
7929988	HPS6	266	276	243	233	204	1.1	1.2	1.0	1.1	1.4	1.3	1.2	Cytoplasm	other
7913869	STMN1	2413	2257	2159	1854	1822	1.3	1.2	1.2	1.0	1.2	1.3	1.2	Cytoplasm	other
8146216	VDAC3	3289	2880	2877	2719	2297	1.2	1.1	1.1	1.2	1.3	1.4	1.3	Cytoplasm	ion channel
8103922	CASP3	460	416	437	380	322	1.2	1.1	1.2	1.2	1.3	1.4	1.4	Cytoplasm	peptidase
8125941	SRPK1	1063	1221	1174	1020	840	1.0	1.2	1.2	1.2	1.5	1.3	1.4	Nucleus	kinase
8109120	AFAP1L1	205	147	147	130	128	1.6	1.1	1.1	1.1	1.2	1.7	1.2	Cytoplasm	enzyme
8024557	GNA11	2647	2034	1883	1703	1660	1.6	1.2	1.2	1.1	1.0	1.2	1.6	Plasma Membrane	enzyme
7920984	CCT3	1554	1420	1577	1389	1060	1.1	1.0	1.1	1.3	1.3	1.5	1.5	Cytoplasm	other
7912481	MAD2L2	1110	854	853	828	656	1.3	1.0	1.0	1.3	1.3	1.7	1.3	Nucleus	enzyme
8106730	XRC4	162	131	129	123	98	1.3	1.1	1.1	1.2	1.3	1.6	1.3	Nucleus	other
8040070	SOX11	388	440	438	354	294	1.1	1.2	1.2	1.2	1.5	1.3	1.5	Nucleus	transcription regulator
7927955	KJAA1279	1348	973	932	839	787	1.6	1.2	1.1	1.1	1.2	1.7	1.2	Cytoplasm	enzyme
8024566	—	2226	1871	1569	1468	1354	1.5	1.3	1.3	1.1	1.4	1.6	1.2	#N/A	#N/A
8140398	YWHAZ	2260	1840	2104	1729	1425	1.3	1.1	1.2	1.2	1.3	1.6	1.5	Cytoplasm	other
8110090	SFXN1	1687	1224	1248	1168	931	1.4	1.0	1.1	1.3	1.3	1.8	1.3	Cytoplasm	transporter
8064844	PCNA	511	734	525	485	397	1.1	1.5	1.5	1.1	1.2	1.8	1.3	Nucleus	enzyme
8172905	HSD17B10	884	768	682	661	507	1.3	1.0	1.0	1.3	1.5	1.7	1.3	Cytoplasm	enzyme
8079153	ABHD5	758	913	733	660	526	1.1	1.4	1.1	1.3	1.7	1.4	1.4	Cytoplasm	enzyme
8028719	DLL3	116	107	114	95	71	1.2	1.1	1.2	1.3	1.5	1.6	1.6	Extracellular Space	other
7936734	FGFR2	93	67	107	63	61	1.5	1.1	1.7	1.0	1.1	1.5	1.7	Plasma Membrane	kinase
8018793	JMD6	641	468	516	397	360	1.6	1.2	1.3	1.1	1.3	1.8	1.4	Plasma Membrane	other
8169640	SLC25A5	4068	3118	3323	3076	2154	1.3	1.0	1.1	1.4	1.4	1.9	1.5	Cytoplasm	transporter
7947199	LGR4	589	437	468	366	310	1.6	1.2	1.3	1.2	1.4	1.9	1.5	Plasma Membrane	G-protein coupled receptor
8008517	NME1	2166	1713	1779	1359	1174	1.6	1.3	1.3	1.2	1.5	1.8	1.5	Nucleus	kinase
8041582	PKDC1	210	284	185	157	137	1.3	1.6	1.2	1.1	1.2	1.9	1.6	Cytoplasm	kinase
8093053	TFRC	2351	1878	2067	1447	1267	1.6	1.3	1.4	1.1	1.5	1.9	1.6	Plasma Membrane	transporter
8148317	MYC	1058	1160	890	824	584	1.3	1.4	1.1	1.4	2.0	1.8	1.5	Nucleus	transcription regulator
7975779	FOS	236	303	173	152	146	1.6	2.0	1.1	1.0	2.1	1.6	1.2	Nucleus	transcription regulator
8020455	GATA6	393	399	234	233	201	1.7	1.7	1.0	1.2	2.0	2.0	1.2	Nucleus	transcription regulator
8124848	IER3	1137	1080												