

Table S1. Panel of skin cell markers

Genomic Assembly: mm10

	gene	baseMean	log2FoldChange	lfcSE	stat	pvalue	padj	G_r1.counts	G_r2.counts	G_r3.counts	G_r4.counts	R_r1.counts	R_r2.counts	R_r3.counts	R_r4.counts
4288	Cd34	1286.485668	-9.512394703	0.56576172	-16.813429	1.95E-63	6.02E-61	0.8317165	5.7045818	0.8389407	5.38889386	1763.51764	1651.389921	3060.4688	3803.7448
5051	Col17a1	3133.467374	-8.495453819	0.74918332	-11.33962	8.35E-30	6.01E-28	1.663433	1.9015273	8.3894074	44.1889296	6558.17293	7843.031648	4691.49709	5918.894
5065	Col3a1	388.7605229	-4.515200866	1.28083832	-3.5251919	0.0004232	0.0019995	70.6959025	15.212218	1.6778815	0	1870.13074	592.3308706	313.377345	246.65922
5228	Crabp1	561.6892944	-6.679708315	0.70594219	-9.462118	3.02E-21	1.19E-19	23.288062	8.5568727	5.0336444	0	858.773428	1308.837129	502.136798	1786.8884
5841	Dct	143254.0727	5.026554372	0.63134168	7.96170213	1.70E-15	4.06E-14	282004.292	345156.67	238190.38	249432.497	2732.81658	1270.299939	10214.0856	17031.541
6570	Edn2	219.2208838	-10.8140398	1.32157517	-8.1826899	2.78E-16	7.23E-15	0	0	0	0	531.109307	663.6960358	248.319475	310.64225
10916	Itga8	14.93665687	-5.521543464	1.07867802	-5.118806	3.07E-07	2.75E-06	0.8317165	0	0.8389407	0	16.6277315	32.82797596	21.0750846	47.291806
10961	Ivl	179.8421232	-9.063974287	0.8771811	-10.333071	4.99E-25	2.55E-23	0	0	1.6778815	0	357.985279	436.7548106	256.566247	385.75277
11434	Krt14	62653.41167	-8.930936466	0.23984934	-37.23561	1.81E-303	2.80E-299	202.938826	232.93709	227.35294	340.578092	100890.228	136012.0136	136671.007	126650.24
11435	Krt15	22977.82548	-8.302540179	0.43613183	-19.036767	8.46E-81	4.36E-78	137.233223	161.62982	53.692207	189.689064	55518.0393	66438.11413	35613.2277	25710.978
11460	Krt5	22159.45669	-8.965211141	0.2660466	-33.697898	6.21E-249	4.80E-245	64.873887	112.19011	84.733014	82.9889654	42144.4527	57687.31759	35163.3205	41935.777
11909	Lrig1	404.2725857	-4.364412672	0.78094527	-5.5886281	2.29E-08	2.45E-07	30.7735105	79.864146	20.134578	2.15555754	1125.79523	1387.33881	291.385952	296.7329
12364	Mc1r	493.981941	4.866961642	0.73086886	6.65914494	2.75E-11	4.26E-10	886.609789	888.964	708.06598	1351.53458	0.97810185	34.25527926	12.8283124	68.619483
13823	Mitf	2362.920238	4.196811926	0.37258263	11.2641106	1.97E-29	1.38E-27	3595.51043	3355.2449	3591.5053	7406.49572	133.999954	278.324144	247.403167	294.87832
13839	Mlana	10175.6298	4.522436903	0.73877332	6.1215488	9.27E-10	1.21E-08	12178.8247	12447.398	30003.038	23732.6886	144.759074	97.05662458	1011.60406	1789.6703
15174	Oca2	111.448578	5.660369961	0.72463664	7.81132182	5.66E-15	1.29E-13	116.44031	281.42604	104.86759	373.989234	0	2.854606605	3.6652321	8.3456128
16813	Pdgfrb	34.84477569	-7.229576149	1.2047922	-6.0006831	1.96E-09	2.45E-08	0	0.9507636	0	0	119.328426	12.84572972	73.304642	72.328644
16814	Pdgfrl	39.61715608	-8.654362634	1.43566429	-6.0281242	1.66E-09	2.08E-08	0	0	0	0	85.0948613	108.475051	74.22095	49.146386
16869	Pecam1	63.41392102	-7.892296169	1.26223193	-6.2526514	4.04E-10	5.50E-09	0.8317165	0	0	0	46.948889	19.98224624	385.765679	53.782838
17325	Pmel	51573.32419	4.612708381	0.67754451	6.80797837	9.90E-12	1.61E-10	91684.2684	105065.09	83757.326	117311.908	1104.27699	488.1377295	4046.41624	9129.1731
20565	Sox10	1253.897218	4.819420235	0.68553578	7.03015125	2.06E-12	3.66E-11	2245.63455	2453.921	2182.0849	2839.94706	34.2335649	4.281909908	129.199432	141.87542
22701	Tyr	13644.04075	4.488311682	0.61114638	7.34408624	2.07E-13	4.07E-12	24199.6233	21330.382	24467.707	34824.1099	469.48889	195.5405525	1169.20904	2496.2655
22704	Tyrp1	70780.2138	4.529546799	0.81215624	5.57718647	2.44E-08	2.60E-07	103447.235	89462.105	177752.25	175032.35	893.985094	265.4784143	6145.67793	13242.633