

Table 1. List of genes whose expression patterns have been shown to be hair-growth-cycle-dependent (by using quantitative methods (e.g., RT-PCR and RNase-protection assay) or found to be expressed in the hair follicle by using semi-quantitative methods (e.g., *in situ* hybridization and immunohistochemistry)

Probe ID	Gene Name	Symbol	P-value	Cluster	P1	P6	P14	P17	P23	9 Wk	5 Mo	1 Yr
101374_at	keratin associated protein 6-1	Krtap6-1	0.0000	6	297.4	19867.0	29604.4	19569.2	120.7	655.1	357.9	2333.2
99569_at	keratin complex 2, basic, gene	Krt2-18	0.0000	6	905.4	7014.5	10928.7	7575.6	89.8	122.3	284.6	1281.0
93555_at	keratin complex 2, basic, gene	Krt2-10	0.0000	6	46.2	12016.5	17919.5	11254.2	39.0	211.4	180.3	2031.0
97152_at	keratin associated protein 8-2	Krtap8-2	0.0000	6	5.9	5791.9	7305.4	2712.7	5.8	54.3	32.2	632.5
94227_at	keratin associated protein 9-1	Krtap9-1	0.0000	6	58.7	17737.2	53596.8	28848.4	38.3	331.3	355.6	4280.4
101569_at	keratin complex 2, basic, gene	Krt2-6g	0.0000	6	3134.6	30820.9	43346.2	26145.5	238.6	401.8	731.4	6186.6
102793_at	keratin associated protein 8-1	Krtap8-1	0.0000	6	564.1	23897.3	36955.3	19460.1	112.9	403.9	550.3	5624.5
93800_f_at	keratin complex-1, acidic, gene	Krt1-c29	0.0000	6	2157.3	20061.1	32469.4	21097.3	209.9	517.7	548.5	3439.7
92246_at	keratin associated protein 14	Krtap14	0.0000	6	141.6	15462.5	34366.4	15317.9	115.8	391.9	538.0	3097.5
97469_at	keratin associated protein 3-3	Krtap3-3	0.0000	6	676.6	11543.4	23295.8	14962.6	292.4	392.6	352.6	3650.3
101052_g_at	S100 calcium binding protein A3	S100a3	0.0000	6	808.3	10379.5	18514.3	11772.2	24.1	115.6	201.9	1568.8
97814_at	keratin complex 1, acidic, gene 3	Krt1-3	0.0000	6	661.5	22730.3	34201.3	18494.7	284.2	1236.5	849.7	6328.2
103558_at	keratin complex 1, acidic, gene 1	Krt1-1	0.0000	6	410.3	18273.5	31986.3	13333.2	110.4	478.5	412.1	3710.4
97470_at	keratin associated protein 3-1	Krtap3-1	0.0000	6	1009.9	35232.0	54899.7	31737.7	290.3	967.4	858.6	12150.6
98423_at	gap junction membrane channel	Gjb2	0.0000	6	2949.8	15338.3	22366.4	10062.4	273.5	523.1	449.0	5181.9
160274_at	keratin complex 1, acidic, gene 4	Krt1-4	0.0000	6	278.4	11461.1	23738.4	14313.4	50.8	387.4	195.4	2345.7
92215_at	keratin associated protein 12-1	Krtap12-1	0.0000	5	19.6	892.2	2703.6	1865.7	8.0	34.5	32.7	351.1
160937_at	crystallin, mu	Crym	0.0000	6	57.7	2591.9	6561.1	4125.4	9.9	50.6	36.9	406.2
92253_at	keratin associated protein 6-2	Krtap6-2	0.0000	6	123.6	19794.6	24568.8	18519.2	86.9	457.9	318.7	2531.3
102956_at	homeo box, msh-like 2	Msx2	0.0000	6	402.6	1737.7	1843.0	1355.4	16.6	33.7	67.1	297.7
103803_at	peptidyl arginine deiminase, type	Padi3	0.0000	6	272.1	2603.4	4357.0	2976.1	23.9	125.0	74.1	565.6
99328_at	distal-less homeobox 3	Dlx3	0.0000	5	1630.8	4416.7	5094.2	3785.3	374.3	525.3	533.9	1326.5
96782_at	keratin complex 2, basic, gene	Krt2-19	0.0000	6	1165.9	24470.5	40081.8	22857.2	702.0	1395.4	2146.1	9152.1
97767_at	keratin complex 1, acidic, gene 2	Krt1-2	0.0000	6	1276.0	9889.2	16269.7	8797.3	851.7	2030.6	1066.2	5223.6
104369_at	keratin complex 2, basic, gene	Krt2-6a	0.0000	29	2218.2	7584.6	16327.7	13801.3	7331.9	10971.2	6973.9	4966.8
93710_at	keratin associated protein 5-1	Krtap5-1	0.0000	5	1510.4	13453.0	28182.9	15357.1	1169.8	2909.3	2082.6	7182.0
98998_r_at	keratin complex 1, acidic, gene	Krt1-24	0.0000	5	767.1	7247.0	8968.4	4056.1	180.0	529.9	464.8	1906.1
92332_at	distal-less homeobox 2	Dlx2	0.0000	5	296.1	602.3	578.6	320.8	62.4	64.2	44.9	129.5
92862_f_at	keratin complex 1, acidic, gene	Krt1-17	0.0000	5	4102.7	12039.3	18743.1	11060.4	3408.6	5251.6	4715.1	7692.0
100735_at	keratin associated protein 6-3	Krtap6-3	0.0000	7	16.9	1315.8	425.2	2909.0	17.1	57.1	61.3	200.9
160586_r_at	trichohyalin	Thh	0.0000	5	318.4	598.7	1279.9	1596.2	29.3	37.1	48.0	208.4
160780_at	transcription factor 3	Tcf3	0.0000	24	1256.5	833.2	631.7	1029.5	859.1	549.8	806.5	608.0
92240_at	keratin associated protein 5-4	Krtap5-4	0.0000	5	100.2	1910.8	5873.9	3993.4	93.3	221.7	223.5	851.3
101526_at	homeo box, msh-like 1	Msx1	0.0000	4	400.2	698.0	537.2	622.2	237.7	291.8	250.5	233.2
103628_at	lymphoid enhancer binding factor	Lef1	0.0000	2	1676.8	2436.8	1971.9	1478.7	738.2	673.8	817.4	956.0
99051_at	S100 calcium binding protein A4	S100a4	0.0000	17	649.6	610.1	540.4	723.7	1913.1	1645.8	2863.6	1440.0
100409_at	cadherin 3	Cdh3	0.0001	2	1725.4	1757.6	1527.2	1525.0	754.3	790.9	708.8	963.3
92369_at	transforming growth factor alpha	Tgfa	0.0001	7	115.5	248.0	374.9	631.7	159.5	161.7	185.9	251.2
94316_at	keratin complex 2, basic, gene 5	Krt2-5	0.0002	15	1834.3	563.5	797.9	736.7	527.7	517.4	522.0	243.1
98073_at	cut-like 1 (Drosophila)	Cutl1	0.0002	5	1474.9	2649.7	3392.1	2673.6	905.7	1076.1	1153.5	1756.6
103589_at	keratin complex 1, acidic, gene	Krt1-16	0.0003	7	776.0	213.7	753.3	1027.5	89.8	117.0	124.8	236.0
92674_at	forkhead box N1	Foxn1	0.0003	5	103.6	605.1	793.8	758.3	54.3	101.7	76.1	169.9
92770_at	S100 calcium binding protein A6	S100a6	0.0003	7	6662.9	14519.1	22113.1	15912.8	10222.7	10566.9	14363.6	13559.9
96503_at	keratin complex 2, basic, gene	Krt2-16	0.0004	7	41.3	329.1	1469.7	1228.1	21.9	31.3	40.3	188.8
160430_at	catenin beta	Catnb	0.0004	8	6080.5	6909.4	7960.6	7010.3	4996.0	3339.8	4813.4	4333.5
99390_at	wingless-related MMTV	Wnt5a	0.0006	2	238.5	409.4	338.7	232.4	104.3	39.6	75.6	58.3
102299_at	protein kinase C, alpha	Prkca	0.0007	8	47.5	178.3	375.8	507.0	149.8	106.7	142.8	169.2
95286_at	clusterin	Clu	0.0009	7	876.5	1777.9	4949.4	3585.1	844.9	1148.4	1100.3	1781.3
101963_at	cathepsin L	Ctsl	0.0009	7	1957.8	4036.2	7792.6	6889.2	2804.1	3081.0	3278.5	3498.7
104262_at	parathyroid hormone-like peptide	Pthlh	0.0019	8	376.9	418.6	798.8	475.3	307.2	187.0	284.6	306.6
99964_at	vitamin D receptor	Vdr	0.0019	7	218.0	509.3	620.6	713.7	296.8	307.9	402.1	381.8
97497_at	Notch gene homolog 1	Notch1	0.0019	9	1037.9	2868.7	2612.6	1637.8	1114.4	1472.9	1367.7	1911.8
99956_at	kit oncogene	Kit	0.0021	3	490.4	406.2	303.9	337.9	280.3	142.6	168.4	117.5
100924_at	GATA binding protein 3	Gata3	0.0050	29	1261.0	2040.8	2133.0	2484.3	1977.8	1965.3	2506.4	2493.1
102559_at	bone morphogenetic protein 2	Bmp2	0.0106	7	179.7	189.0	350.7	322.7	130.5	173.7	145.7	89.7
160469_at	thrombospondin 1	Thbs1	0.0113	15	508.1	308.2	417.6	1487.1	480.2	159.9	639.8	234.1
101842_g_at	epidermal growth factor receptor	Egfr	0.0122	7	435.5	691.1	1007.1	889.2	486.0	631.9	480.3	559.7
94755_at	interleukin 1 alpha	Il1a	0.0148	15	218.0	213.2	193.0	239.2	208.9	177.9	226.9	132.2
95030_at	prolactin receptor	Prlr	0.0180	21	358.7	313.2	222.2	449.3	560.0	610.1	543.0	328.5
101161_at	melanocortin 1 receptor	Mc1r	0.0200	2	333.2	416.2	282.3	298.4	134.6	112.3	155.7	148.1
92925_at	CCAAT/enhancer binding protein	Cebpb	0.0221	9	2400.5	3844.4	4078.3	3279.6	3008.5	4022.8	2635.0	3771.0
98067_at	cyclin-dependent kinase inhibitor	Cdkn1a	0.0229	7	1387.1	2017.3	3022.4	2591.8	1160.3	1145.1	900.7	1251.7
93914_at	interleukin 1 receptor, type I	Il1r1	0.0230	27	296.0	310.0	384.2	401.3	456.6	449.4	488.4	350.0
95758_at	stearyl-Coenzyme A desaturase	Scd2	0.0248	10	3436.8	4378.1	4942.3	3110.9	3056.8	2208.7	2399.2	2566.9
102666_at	tyrosinase	Tyr	0.0262	4	126.5	196.5	177.7	92.6	55.8	56.8	48.7	50.6
94097_at	GLI-Kruppel family member GLI	Gli	0.0264	1	1044.7	545.5	319.7	163.2	250.6	96.5	124.3	193.4
161010_r_at	cyclin-dependent kinase inhibitor	Cdkn1b	0.0264	20	55.0	67.4	40.0	52.2	61.0	20.8	50.2	42.8
98140_at	cadherin 1	Cdh1	0.0277	15	819.0	706.4	853.4	765.4	637.4	596.4	568.5	403.9
98482_at	parathyroid hormone receptor 1	Pthrr1	0.0284	23	539.5	353.2	87.5	166.5	404.2	156.4	203.2	106.8
95546_g_at	insulin-like growth factor 1	Igf1	0.0377	16	372.6	130.5	59.5	195.8	431.5	281.7	567.9	222.9
160519_at	tissue inhibitor of	Timp3	0.0377	27	1675.0	1878.1	2390.0	3246.4	3802.8	3100.0	3369.8	2545.0
98447_at	CCAAT/enhancer binding protein	Cebpa	0.0482	30	7778.7	7668.6	5378.1	6443.0	8189.5	8730.2	6996.8	8401.6
93872_at	glial cell line derived neurotrophic	Gfra1	0.0526	-	103.0	35.6	62.3	92.5	100.7	43.4	84.3	23.7
94056_at	stearyl-Coenzyme A desaturase	Scd1	0.0535	-	5611.4	8669.5	12344.9	13892.8	17651.0	24149.1	16868.7	21269.7
102658_at	interleukin 1 receptor, type II	Il1r2	0.0710	-	304.3	386.7	395.0	667.5	1217.6	1748.2	1193.2	1246.6
99325_at	wingless-related MMTV	Wnt3	0.0928	-	403.7	599.4	626.0	560.8	405.7	355.3	543.8	576.8
99577_at	kit ligand	Kitl	0.0965	-	644.6	474.5	446.3	305.8	626.3	288.9	510.2	303.1
96343_at	calpain 12	Capn12	0.1076	-	2190.2	1814.0	1868.4	2385.9	2011.5	964.1	1796.9	1019.8
93455_s_at	bone morphogenetic protein 4	Bmp4	0.1202	-	672.7	624.5	592.2	930.4	514.1	458.9	425.6	510.2
92235_g_at	retinoid X receptor alpha	Rxra	0.1280	-	800.6							