

Table S2

Category	Entrez Gene Name	Symbol	Fold Change	Entrez Gene ID for Mouse
Hair Differentiation	Calcium Binding Differentiation	S100a3	27.74	--
	Peptidyl Arginin Deiminase	Padi1	6.85	--
Wnt Signaling	Wingless-related MMTV Integration Site 3A	Wnt3a	2.59	22416
	Frizzled Homolog 10	Fzd10	1.09	93897
	OVO Homolog-like 1	Ovol1	4.64	18426
Transcription factors	GATA binding protein 3	GATA3	16.768	14462
	homeobox C13	HOXC13	8.809	15422
	POU class 3 homeobox 1	POU3F1	7.651	18991
	homeobox B7	HOXB7	6.895	15415
	homeobox C6	HOXC6	6.034	15425
Type I Hair IRS	Keratin 27	Krt27	7.01	16675
Type I Hair Keratins	Keratin 31	Krt31	27.51	16660
	Keratin 32	Krt32	3.50	16670
	Keratin 33	Krt33a	55.88	71888
	Keratin 35	Krt35	16.38	53617
	Keratin 36	Krt36	2.08	16673
Type II Hair IRS	Keratin 71	Krt71	18.04	56735
	Keratin 72	Krt72	16.60	--
	Keratin 73	Krt73	21.99	223915
Type II Hair Keratins	Keratin 84	Krt84	5.00	16680
	Keratin 85	Krt85	9.98	53622
	Keratin 86	Krt86	41.26	--
Hair Related	Keratin Associated Protein 4-7	Krtap4-7	8.02	76444
Keratin Associated Proteins	Keratin Associated Protein 4-11	krtap4-11	4.54	665891
	Keratin Associated Protein 5-1	Krtap5-1	2.09	50774
	Keratin Associated Protein 6-2	Krtap6-2	3.9	16701
	Keratin Associated Protein 9-1	Krtap9-1	6.95	--
	Keratin Associated Protein 13-1	Krtap13-1	0.96	69696
	Keratin Associated Protein 16-3	Krtap16-3	10.46	170653
	Keratin Associated Protein 16-4	Krtap16-4	6.98	170654
	Keratin Associated Protein 16-8	Krtap16-8	9.45	68484
	Keratin Associated Protein 16-8	Krtap16-9	4.10	170657