

Table S3

Category	Entrez Gene Name	Symbol	Fold Change	Entrez Gene ID for Mouse
Transcription factors	Grainyhead-like 1 (Drosophila)	Grhl1	19.41	195733
	Transcription factor AP-2, gamma	TCFAP2C	3.47	21420
	c-Fos (AP-1)	FOS	1.54	14281
Cornified envelope	Corneodesmosin	Cdsn	45.99	386463
	Cornifelin	Cnfn	20.95	72383
	Cornified envelope 1B	Sprrl2	2.76	73722
	Keratinocyte differentiation associated protein	Krtdap	39.95	64661
	Late cornified envelope 1B	Sprrl5	4.24	68720
	Loricrin	Lor	40.69	16939
	Repetin	Rptn	3.00	20129
	Small proline-rich protein 1B	Sprr1b	24.19	20754
	Small proline-rich protein 2D	Sprr2d	3.24	20758
	Small proline-rich-like 7	Sprrl7	2.36	69611
	Epidermal keratins	Keratin 1	Krt2-1	3.07
Keratin 10		Krt10	12.69	16661
Keratin 15		Krt15	10.96	16665
Keratin 17		Krt1-17	3.36	16667
Keratin 23		Krt1-23	64.4	94179
Periplakin		Ppl	6.55	19041
Keratinocyte differentiation		Sciellin	Scel	4.46
	Transglutaminase 1	Tgm1	3.02	21816
	Elongative of very long chain fatty acids like 4	Elovl4	9.87	83603
Epidermi Lipid Synthesis	Fatty acid binding protein 5	Fabp5	3.19	16592
Calcium binding proteins	S100 Calcium binding protein A7A	S100a15	10.11	381493
	S100 Hornerin	Hnr	2.97	68723
	Calcium binding epidermal differentiation locus s100a9	S100a9	2.94	20202
	Calcium binding epidermal differentiation locus s100a8	S100a8	3.52	20201
	Calmodulin 4	Calm4	14.62	80796
Adhesion molecules	Gap junction beta 2 (connexin 26)	Gjb2	49.81	14619
	Gap junction beta 3	Gjb3	10.82	14620
	Claudin 4	Cldn4	24.82	12740
	Tubulin, beta 2B class IIB	Tubb2b	2.05	73710