

**Table S2. Selected upregulated genes from *Adam10<sup>flox/Flox</sup> Cre* mice representing markers of hyperkeratinization**

Gene name	Fold increase in gene expression
Repetin	31.3
Thymic stromal lymphopoietin	30.17
Small proline-rich protein 1A	13.37
Keratin 16	13.27
Epithelial mitogen	12.25
Keratin 6B	7.52
Insulin-like growth factor binding protein 3	7.39
Keratin 6A	7.35
Small proline-rich protein 1B	6.89
Epiregulin	5.08
Cysteine rich protein 2	4.26
Small proline-rich protein 2H	4.26
A disintegrin and metallopeptidase domain 8	3.78
Small proline-rich protein 2A	3.3
Leukemia inhibitory factor receptor	3.18
Interferon regulatory factor 7	2.78
Insulin-like growth factor binding protein 2	2.73
Met proto-oncogene	2.72
Lymphocyte antigen 6 complex, locus A	2.68
Integrin alpha 6	2.68
Integrin alpha 3	2.54
Small proline-rich protein 2A	2.44
Achaete-scute complex homolog 2 ( <i>Ascl2</i> )	2.13
Transforming growth factor, beta induced	2.07
Transforming growth factor, beta receptor II	2