

## Supplementary Information

**Table S1.** Primer sequences used for qRT-PCR.

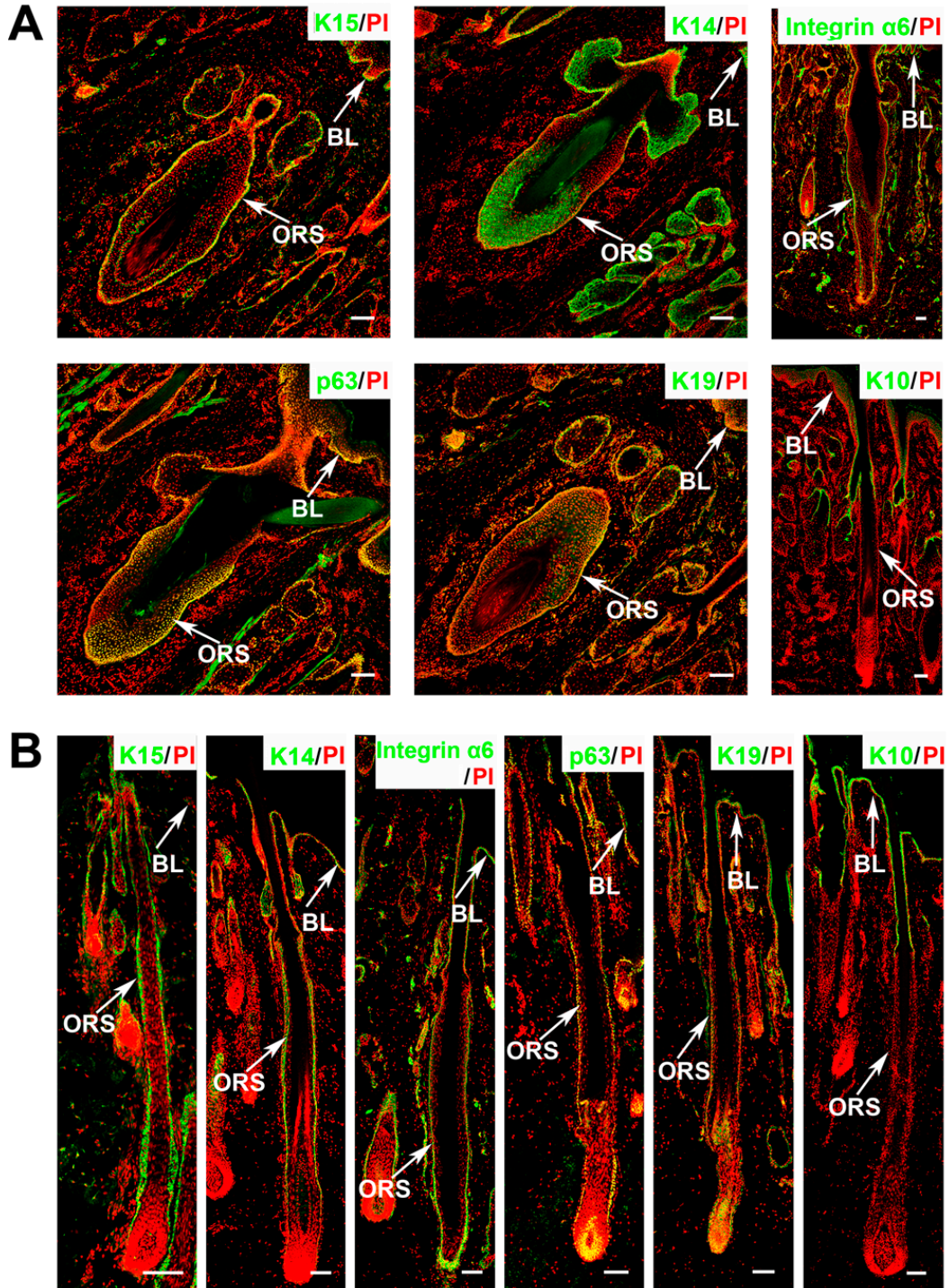
<b>Gene</b>	<b>Primers</b>
<i>Krt15</i>	Forward: GCAAGGTCCGCATCAAC Reverse: AGAAACGAAGGACCCCTTG
<i>Tp63</i>	Forward: CTCCTCAGCACACGATTGA Reverse: GCTGCTGAGGGTTGATAAGC
<i>Krt14</i>	Forward: CACGAGGAGGAGATGAAAGC Reverse: CTCCGTCTTGCTGAAGAACC
<i>Itga6</i>	Forward: TAGTTGGTGAGCAAGCGATG Reverse: CCATTTGCCGTTGCTAATTT
<i>Krt19</i>	Forward: TGAGCGTGGAGACTGACATC Reverse: TGATTTCCCTCCTCGTGGTTC
<i>Krt1</i>	Forward: GCAACATGGAGACAGCTTGA Reverse: TCCTTAATGGCGTTCTCACC
<i>Krt27</i>	Forward: CCATCTAAAGCCACCGTG Reverse: CACCCTCTGTTCACCTTCAT
<i>Gapdh</i>	Forward: GTCCGTTGTGGATCTGACCT Reverse: CGGGAGATTCTCAGTGTGGT

**Table S2.** Antibodies used for immunofluorescence staining.

<b>Primary Antibody</b>	<b>Vendor and Catalog</b>	<b>Dilution</b>
K15	Santa Cruz, sc-69554	1:100
p63	Santa Cruz, sc-8431	1:100
K14	Millipore, CBL197	1:100
Integrin $\alpha 6$	Biologend, 313602	1:100
K19	Zhongshan Goldbridge, ZM-0074	1:100
Ki67	eBioscience, 14-5698	1:200
K16	ThermoFisher, MA5-13730	1:100



**Figure S1.** Hair growth of the hair follicles reconstituted by the ovine bulge-derived keratinocytes and neonatal rat dermal cells.



**Figure S2.** The expression of markers in ovine vibrissa skin and posterior neck skin. (A) Immunostaining of K15, K14, Integrin  $\alpha 6$ , p63, K19 and K10 in the ovine upper-lip skin including the vibrissa hair follicles; (B) Immunostaining of K15, K14, Integrin  $\alpha 6$ , p63, K19 and K10 in the ovine posterior neck skin. BL, basal layer; ORS, outer root sheath. Scale bar, 50  $\mu\text{m}$ .