

Fig. S1

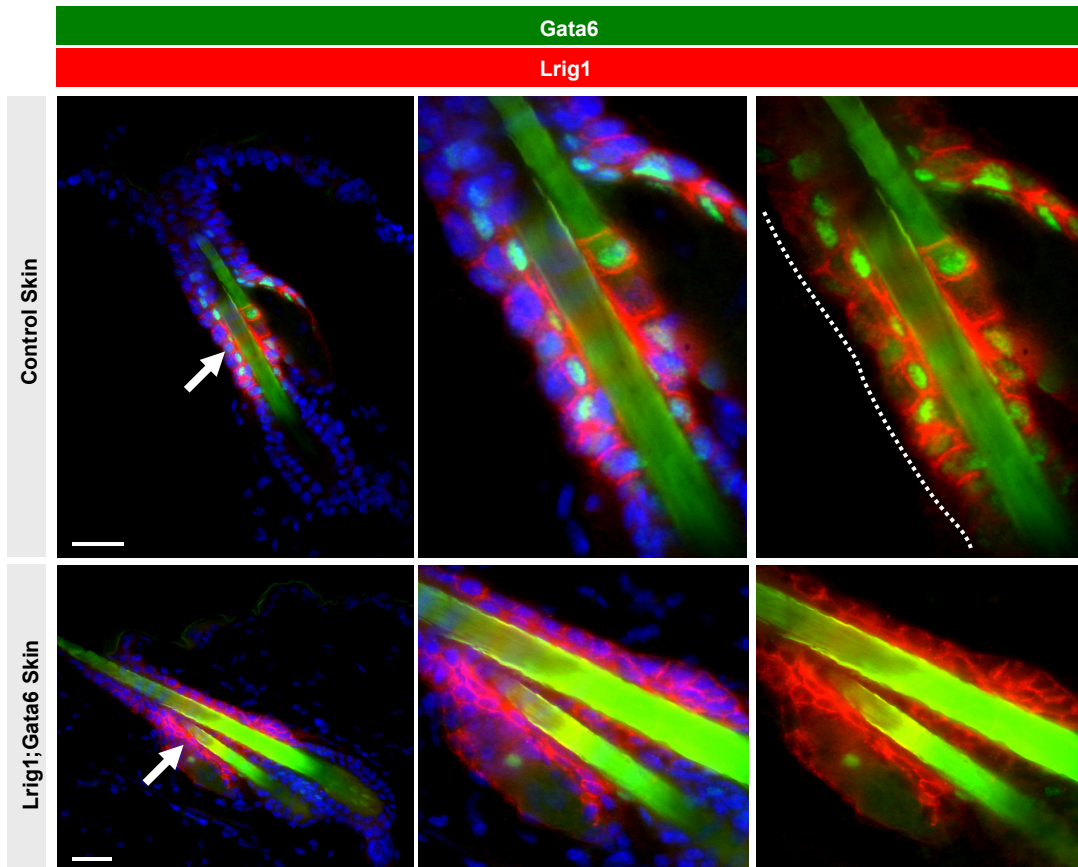


Fig. S2

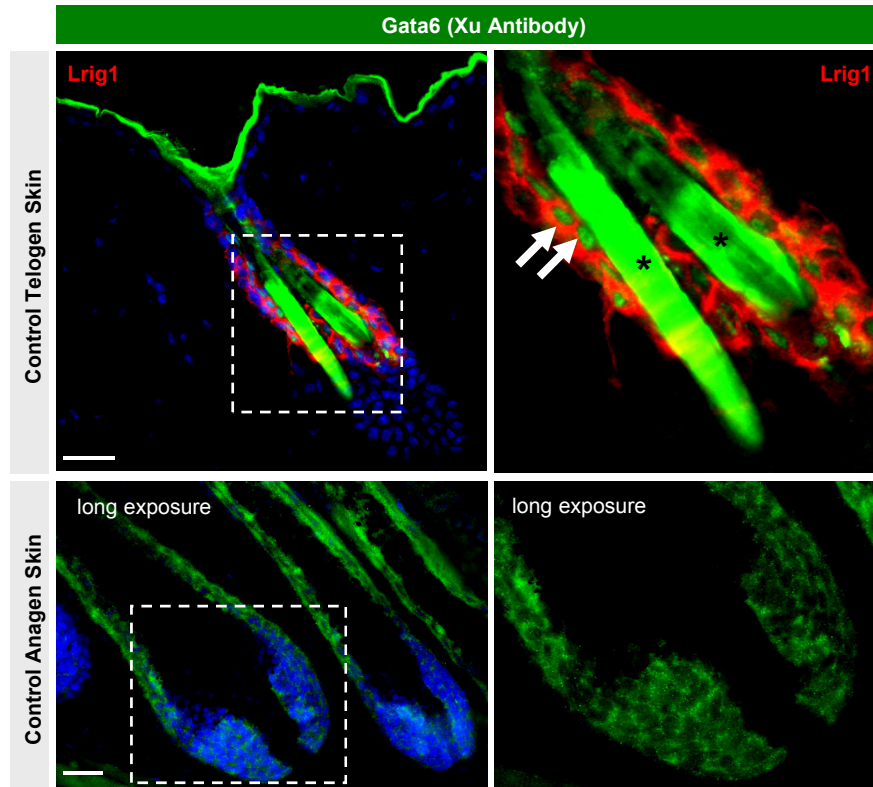


Fig. S3

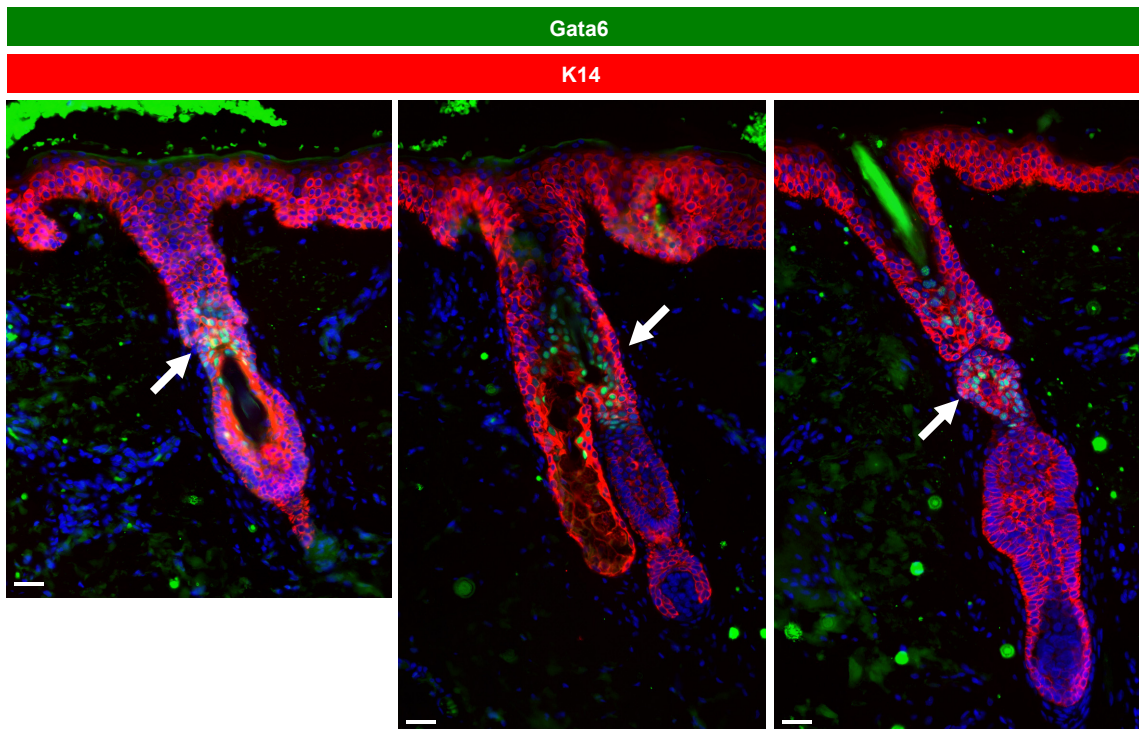
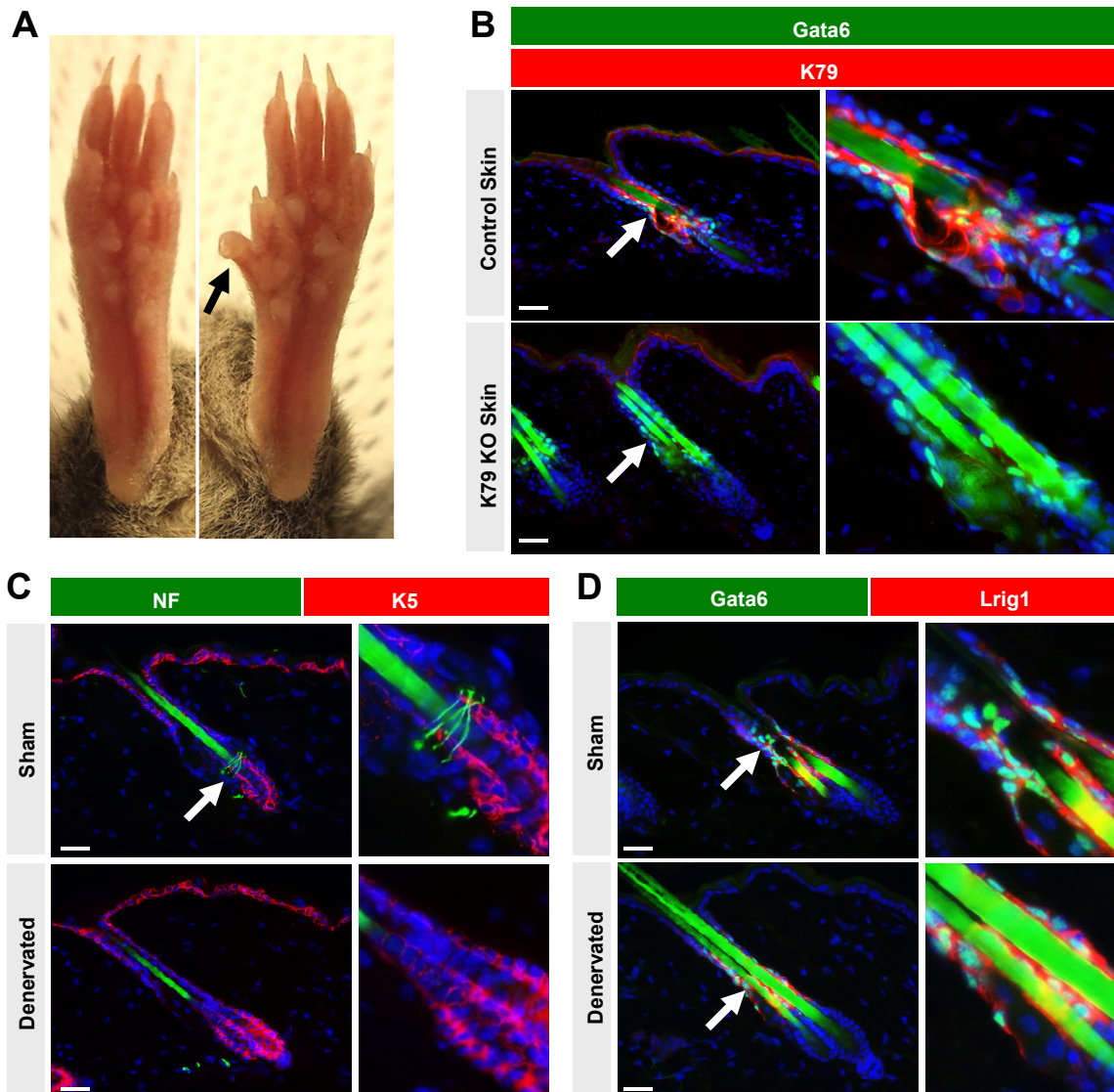


Fig. S4



**Fig. S5**

**A**

Shaved Cohort	Gender	# of Mice	Outcome
Cohort 1	males	2 KO, 1 control	No delay
Cohort 2	males	1 KO, 4 controls	No delay
Cohort 3	males	1 KO, 4 controls	No delay
Cohort 4	males	1 KO, 3 controls	No delay
Cohort 5	males	1 KO, 2 controls	No delay
Cohort 6	males	1 KO, 1 control	1 KO delayed, ~2 days
Cohort 7	females	1 KO, 3 controls	No delay
Cohort 8	females	3 KO, 1 control	1 KO delayed, ~2 days
Cohort 9	females	1 KO, 4 controls	No delay
Cohort 10	females	2 KO, 2 controls	No delay
<b>Total</b>	<b>males</b>	<b>7 KO, 15 controls</b>	<b>1 KO delayed, ~2 days</b>
	<b>females</b>	<b>7 KO, 10 controls</b>	<b>1 KO delayed, ~2 days</b>

**B**

Depilated Cohort	Gender	# of Mice	Outcome
Cohort 1	males	1 KO, 1 control	1 KO delayed ~1 week
Cohort 2	males	1 KO, 1 control	1 KO delayed ~5 days
Cohort 3	males	1 KO, 3 controls	1 KO delayed ~2-3 days
Cohort 4	females	1 KO, 2 controls	No delay
Cohort 5	females	2 KO, 2 controls	No delay
<b>Total</b>	<b>males</b>	<b>3 KO, 5 controls</b>	<b>3 KO delayed, ~2-7 days</b>
	<b>females</b>	<b>3 KO, 4 controls</b>	<b>No delay</b>

**C**

Unperturbed Mice	Gender	Age	Visual Observation
Mutant 1	female	18 weeks	Normal hair
Mutant 2	male	32 weeks	Normal hair
Mutant 3	male	32 weeks	Normal hair
Mutant 4	male	45 weeks	Normal hair
Mutant 5	male	45 weeks	Normal hair

**Fig. S6**

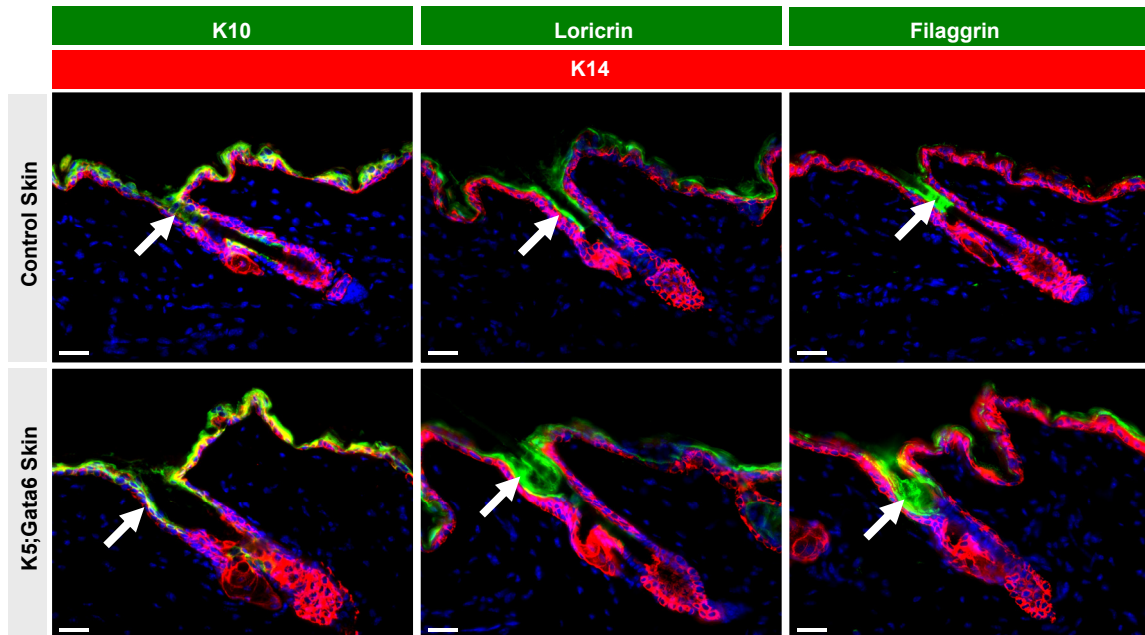




Fig. S7

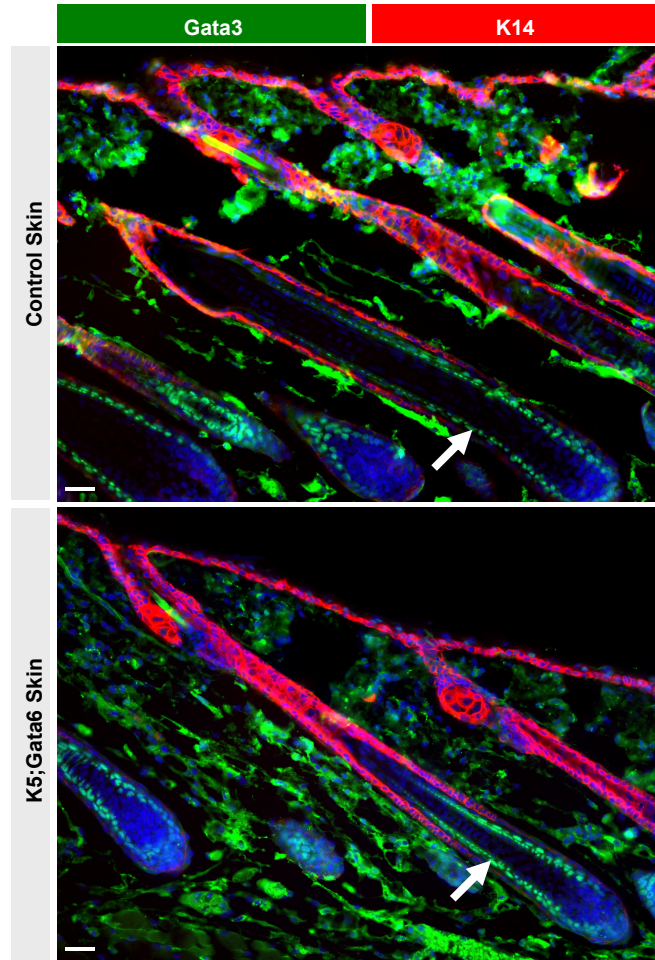


Fig. S8

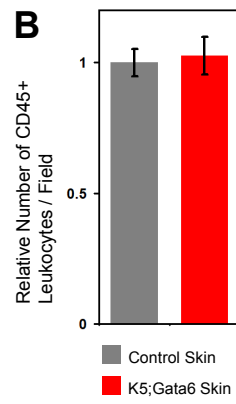
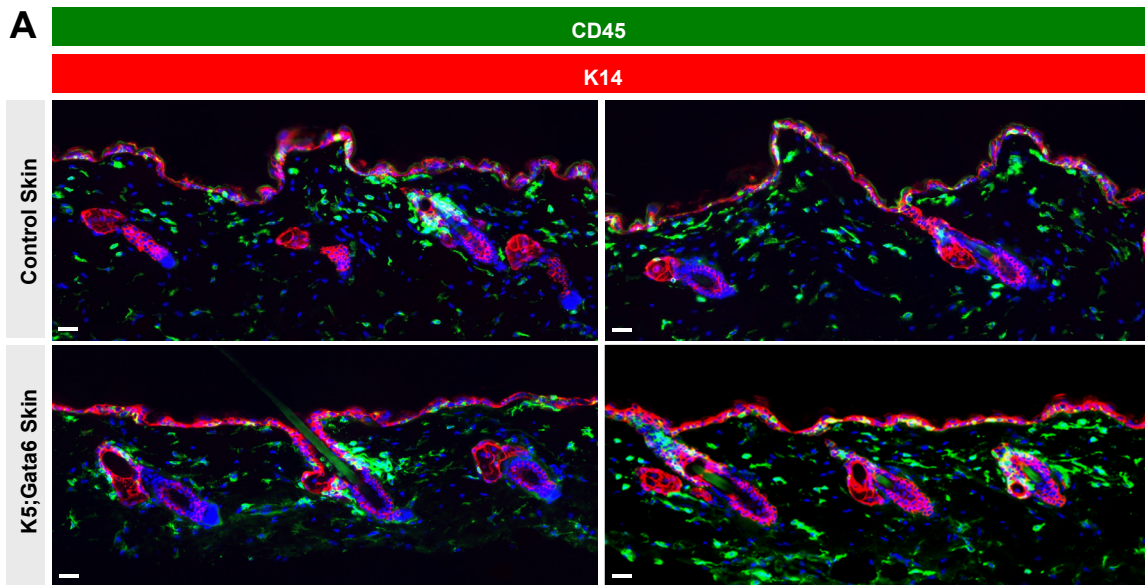




Fig. S9

