

## Supplementary information, Figure S4. LdBCs persist through serial involution

- (a) Section confocal imaging showing that LdBC is  $K8^-$  (arrow) at 3 weeks of  $1^{st}$  involution. Luminal cells in the clone are indicated by arrowheads. Scale bars, 10  $\mu$ m.
- (**b-c**) FACS analysis showing that LdBC (GFP<sup>+</sup> basal cells) percentages are similar between 3 weeks (**b**) and 8 weeks (**c**) of involution.
- (**d,e**) Section confocal imaging showing LdBCs in  $2^{nd}$  involution are K14<sup>+</sup> (**d**) and ER $\alpha$ <sup>+</sup> (**e**). Scale bars, 10  $\mu$ m.
- (f) FACS analysis of LdBCs at 8 weeks of 2<sup>nd</sup> involution.
- (**g**) Quantification based on FACS analysis of luminal cells and LdBCs in 1<sup>st</sup> involution and 2<sup>nd</sup> involution. Data are pooled from three experiments.

Data represent the mean  $\pm$  SD for n=3 mice.

<sup>\*\*\*</sup> p<0.001