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**Suppl. Fig. 1.** Rab11aΔIEC mice develop epithelial hyperplasia and dysplasia.

(A) Immunofluorescent staining for pHH3 shows increased proliferation in intestinal crypts of Rab11aΔIEC mice.

(B) Immunofluorescent staining for E-cad and ZO1 shows epithelial dysplasia in intestinal epithelia of Rab11aΔIEC mice.

(C) H.E. staining shows Rab11aΔIEC mice develop tubular adenomas (i.e., low-grade epithelial dysplasia) at juvenile ages.

(D) At postnatal day 150, Rab11aΔIEC mice develop tubular adenomas containing pencil-like, overlapping dysplastic cells (H&E, left lower corner of the left-upper panel), pHH3+ mitotic cells (arrows) and increased level of beta-catenin.