

Figure S1

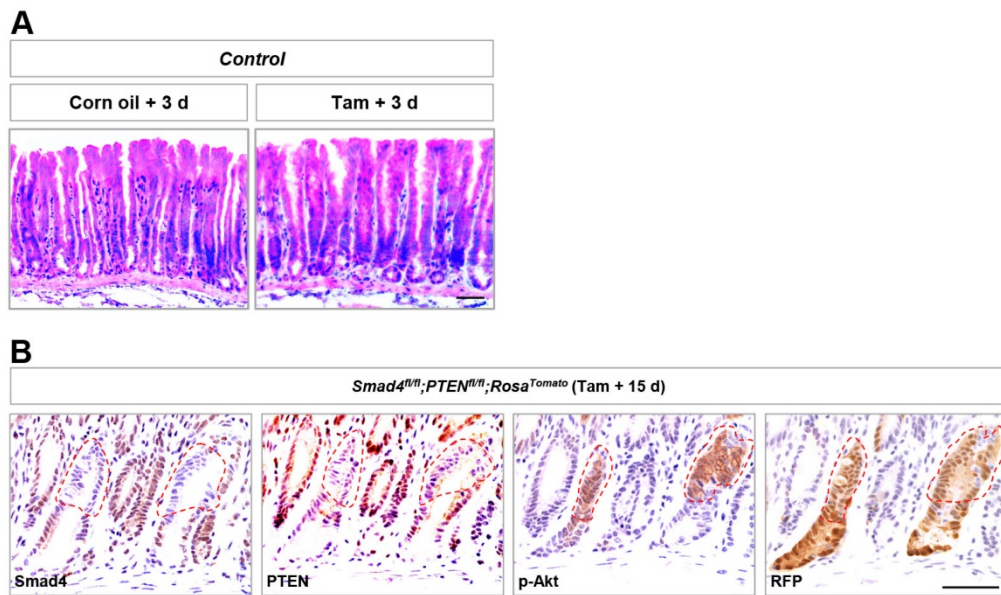


Figure S1 *Smad4* and *PTEN* were efficiently deleted in the progenies of *Lgr5*⁺ stem cells at gastric antrum. (A) Tamoxifen treatment did not cause morphological aberration in the gastric antral epithelium. H&E analysis of *Lgr5-Cre^{ERT2};Smad4^{fl/+};PTEN^{fl/+}* antrum at 3 days after 6 consecutive administration of tamoxifen (Tam) or corn oil. (B) Immunohistochemical (IHC) analysis of Smad4, PTEN, p-Akt and RFP (specific for Tomato) on consecutive sections from *Lgr5-Cre^{ERT2};Smad4^{fl/fl};PTEN^{fl/fl};Rosa^{Tomato}* (hereafter *Smad4^{fl/fl};PTEN^{fl/fl};Rosa^{Tomato}*) antrum at 15 days after tamoxifen administration. The cluster characteristics of Smad4-negative, PTEN-negative, p-Akt-positive and RFP-positive were readily observed throughout the antrum (red dotted areas). Scale bars: 50 μ m.