Study 1 The nature of mucositis induced with 5-FU. Mice were sacrificed 1-5 days after 5-FU injection at day 0. a-b area of BrdU immunopositive cells/crypt (µm²), c-e crypt depth (µm), f-h villus length (µm), i-k cross sectional area of mucosa (µm²). Results are shown as mean ± SEM n = 13. * = p < 0.05, ** = p < 0.01, *** = p <0.001 compared to day 0 (ANOVA followed by Dunnett’s multiple comparison test).