



Figure S6: Pancreatitis-associated changes of the duodenal barrier function in C57Bl/6 mice. (A) RNA was prepared from duodenal tissue of AP and control C57Bl/6 mice (n=4 each) and microarray-based transcriptome analysis was performed. Heat maps illustrate AP-induced transcription changes of genes encoding cell-cell contact proteins. (B) Fluorescent Ki67 labeling of pancreatic sections (pink) showed no significant differences between AP and control animals. (C) E-cadherin (green) showed no AP-associated changes. (D-F). Bar graphs illustrate QIAGEN's Ingenuity Pathway Analysis (IPA) results ($-\log_{10}(\text{pBH-value})$) for affected pathways of relevant genes in the group of cytokines (D), transmembrane receptors (E) and transcriptional regulators (F). Heatmap illustrates the z-score which indicates activation (positive z-score, red) or inhibition (negative z-score, blue) of the respective regulator.