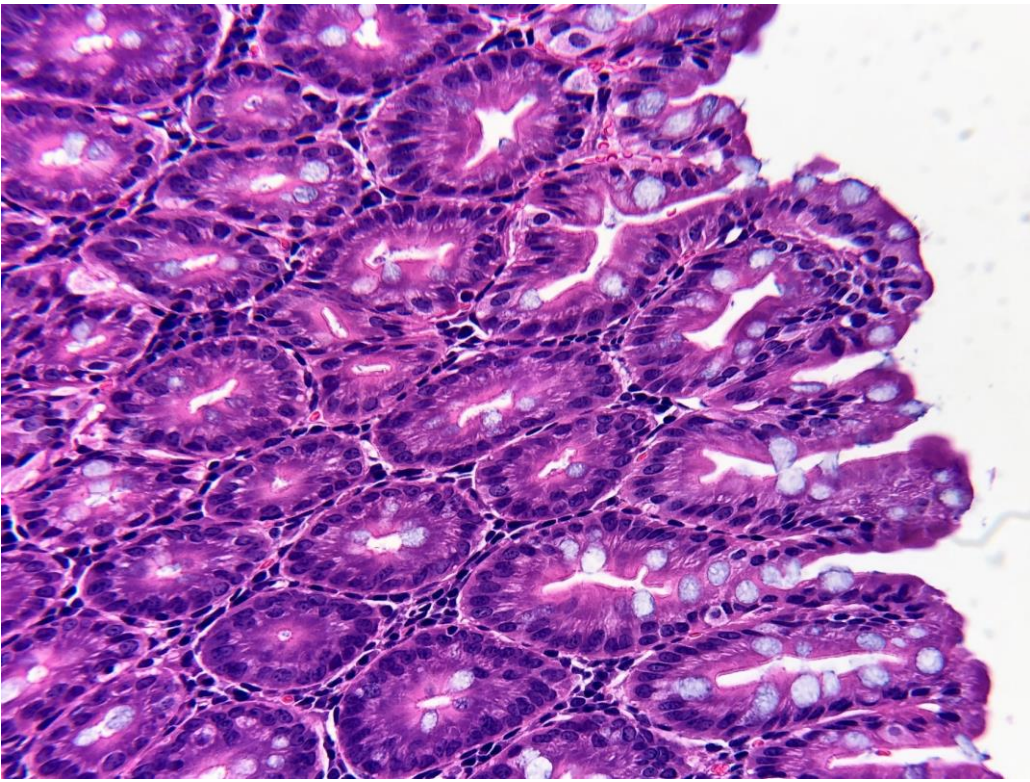
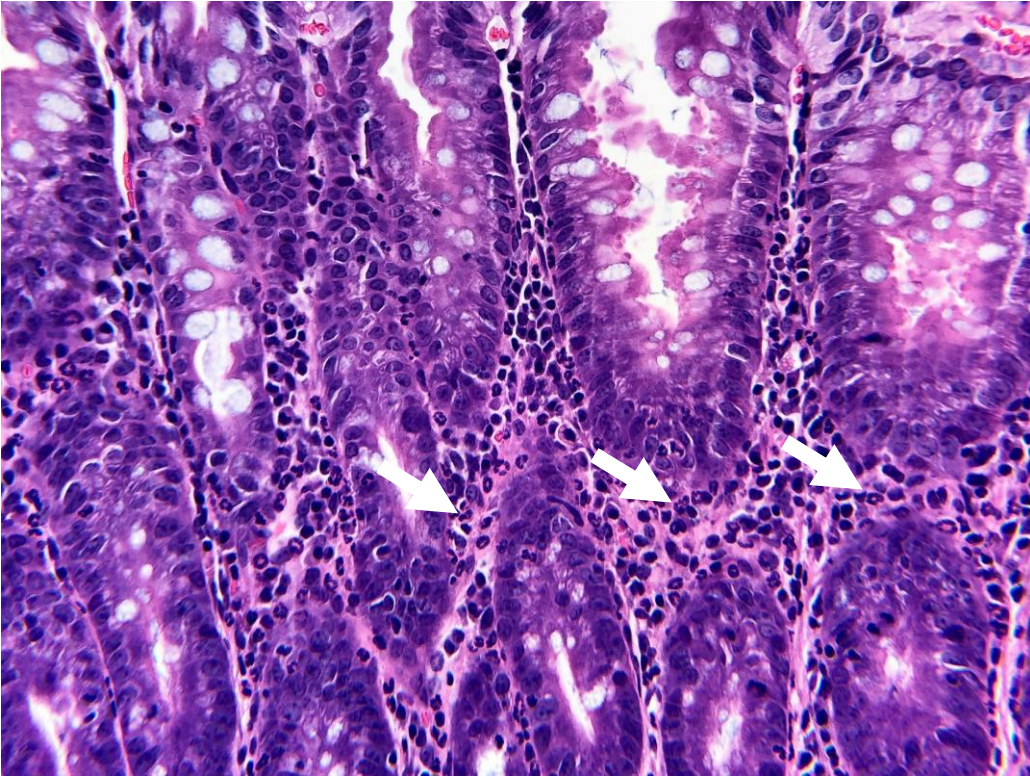


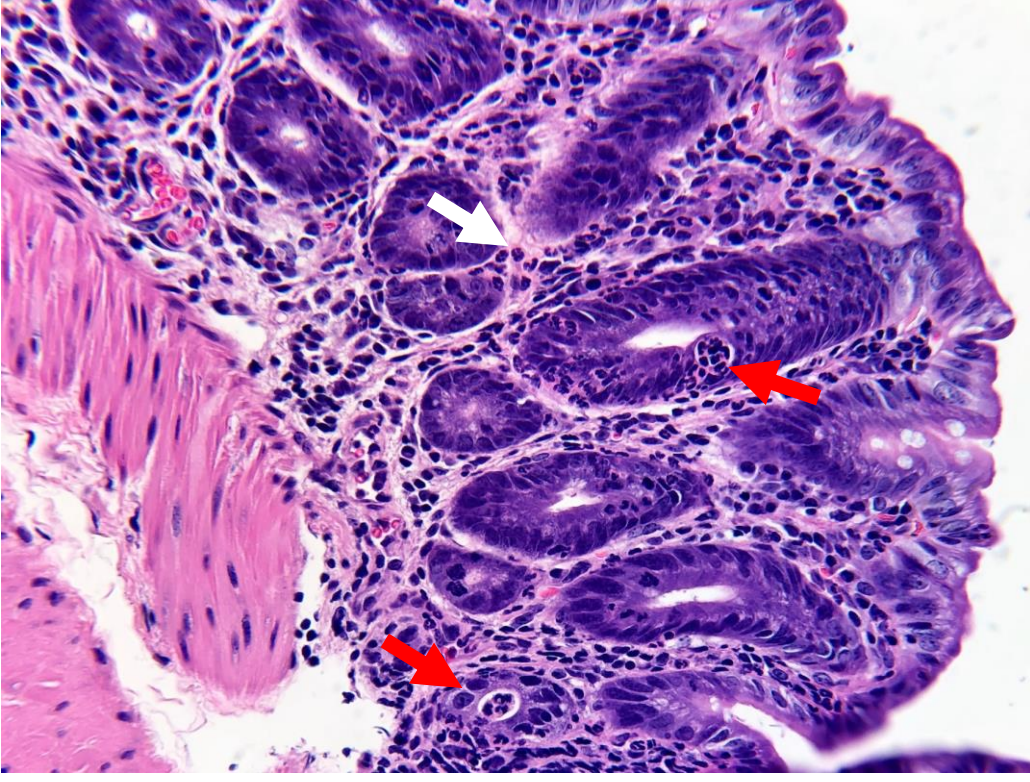
(A) NHE3^{IEC-KO}
Normal colon
mucosa, score 0



(B) NHE3^{IEC-KO}
Abnormal colon
mucosa, colitis
score 1



(C) NHE3^{IEC-KO}
Abnormal colon
mucosa, colitis
score 2



Supplementary Figure S1. Histopathology of colon mucosa in NHE3^{IEC-KO} mice

(A) Normal colon mucosa of NHE3^{IEC-KO} mice. (B) Abnormal colon mucosa in NHE3^{IEC-KO} mice showing mild inflammation with cryptitis. White arrows indicate neutrophils in lamina propria and in the crypt epithelial cells (cryptitis). (C) Abnormal colon mucosa in NHE3^{IEC-KO} showing moderate inflammation with cryptitis and crypt abscess. White arrows indicate neutrophils and red arrows indicate cryptitis and crypt abscess.