



Supplementary Fig. 4. Alcian blue (pH, 2.5) and high-iron diamine (HID) staining. (A-C) Three representative images of resected ileum from a patient with ulcerative colitis. Almost all goblet cells were negative for HID (blue). (D-F) Three representative images of resected colon from a patient with ulcerative colitis. Almost all goblet cells were positive for HID (black). Scale bar = 100 μ m.