



**Supplementary Figure 2.** Claudin-1, -2, -4, JAM-A, occludin, and ZO-1 mRNA expression levels using reverse transcription polymerase chain reaction in the colonic mucosa of the controls and patients with IBS according to sex. JAM-A, junctional adhesion molecule; ZO-1, zonula occludens-1; IBS, irritable bowel syndrome; MC, male control (n = 14); S.C, sigmoid colon; MIBS, male irritable bowel syndrome patient (n = 15); FC, female control (n = 10); FIBS, female irritable bowel syndrome patient (n = 22).