

Supplementary Table 1. Descriptions of GWAS catalog's EFO ID used to select IBD associations proposed in previous studies

EFO ID	Explanation	Number of associations
EFO_0003767	• Bowel diseases, inflammatory • IBD • INFLAMM BOWEL DIS • Inflammatory bowel diseases • Autoimmune bowel disorder • Inflammatory bowel disease	1,905
EFO_0000384	• Colitis, ulcerative • Left-sided ulcerative (chronic) colitis • Left-sided ulcerative colitis • Other ulcerative colitis • Other ulcerative colitis (disorder) • UC - ulcerative colitis • ULCERATIVE COLITIS UNSPCF • Ulcerative colitis, unspecified • Colitis ulcerative • Ulcerative colitis • Ulcerative colitis (disease) • Ulcerative colitis (disorder)	716
EFO_0000729	• CROHN DIS • CROHN'S DIS • Colitis, granulomatous • Crohn disease • Crohn disease • Crohn's associated gastritis • Crohn's disease • Crohn's disease of colon • Crohn's disease of large bowel • Crohn's disease • Enteritis, granulomatous • Enteritis, regional • Gastritis associated with Crohn's disease • Gastritis associated with Crohn's disease • Ileitis, regional • Ileitis, terminal • Ileocolitis • Granulomatous colitis • Pediatric Crohn's disease • Regional enteritis	937
Total		3,558

IBD, inflammatory bowel disease; EFO, experimental factor ontology; GWAS catalog, NHGRI-EBI Catalog of Human Genome-Wide Association Studies.