

Supplementary Table 1 The primer for RT-qPCR

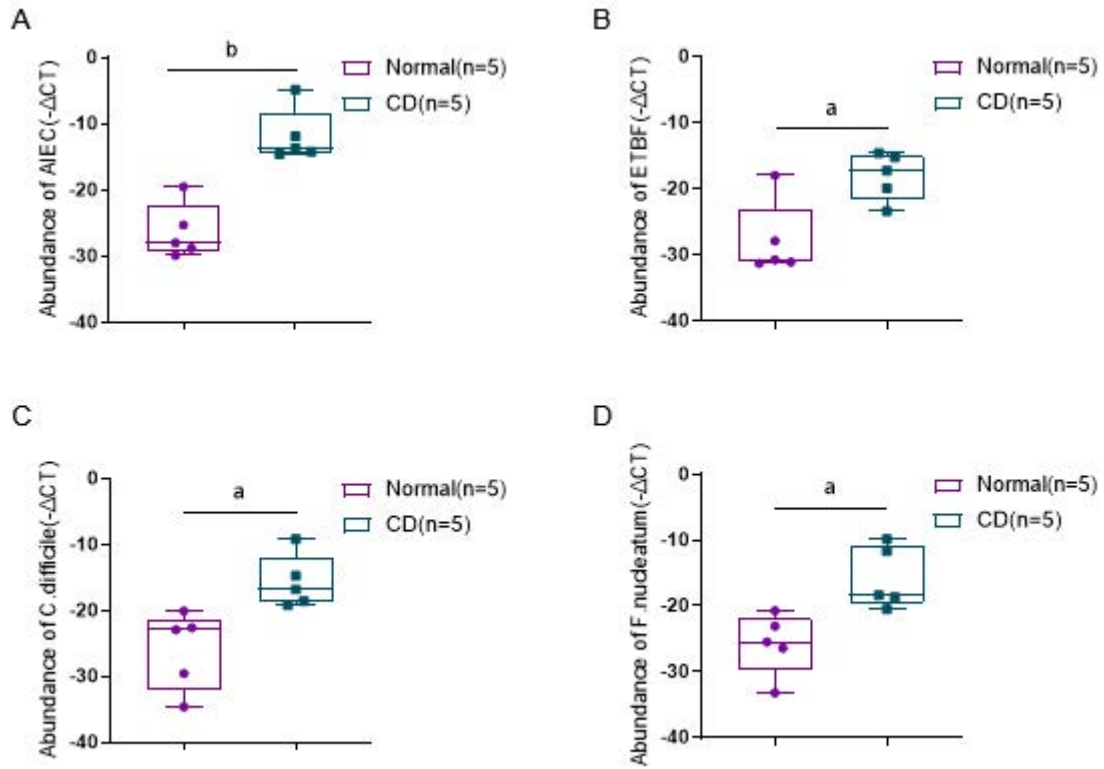
Primers	Sequence 5'-3'	
IL-6	forward	CAATGAGGAGACTTGCCTGGTG
	reverse	GCTGGCATTGTGGTTGGG
IL-1 β	forward	CTCCGACCACCACTACAGCAAG
	reverse	TGGGCAGGGAACCAGCATC
TNF- α	forward	CCCGAGTGACAAGCCTGTAGCC
	reverse	CCCTTGAAGAGGACCTGGGAGTAGAT
MCP-1	forward	CAGCCAGATGCAATCAATGCC
	reverse	TGGAATCCTGAACCCACTTCT
Leptin	forward	TGCCTTCCAGAAACGTGATCC
	reverse	CTCTGTGGAGTAGCCTGAAGC
Adiponectin	forward	GGCTTCCGGGAATCCAAGG
	reverse	TGGGGATAGTAACGTAAGTCTCC
GAPDH	forward	ACAGCCTCAAGATCATCAGC
	reverse	GGTCATGAGTCCTTCCACGAT
Mmu IL-6	forward	TAGTCCTTCCCTACCCCAATTTC
	reverse	TTGGTCCTTAGCCACTCCTTC
Mmu IL-1 β	forward	CTGTGACTCATGGGATGATGATG
	reverse	CGGAGCCTGTAGTGCAGTTG
Mmu TNF- α	forward	CCCTCACACTCAGATCATCTTCT
	reverse	GCTACGACGTGGGCTACAG
Mmu IFN- γ	forward	AACTCAAGTGGCATAGATGTGGAAG
	reverse	TGCTGAAGAAGGTAGTAATCAGGTG
Mmu ZO-1	forward	GAGCGGGCTACCTTACTGAAC

	reverse	GTCATCTCTTTCCGAGGCATTAG
Mmu Occludin	forward	GGAAAGCAGGAAAGGGCAAG
	reverse	CCACCTGTCGTGTAGTCTGTTCA
Mmu CB1	forward	CTGGCCTATAAGAGGATCGTCA
	reverse	GAGAGGCAACACAGCAATTACTA
Mmu CB2	forward	CTACAAAGCTCTAGTCACCCGT
	reverse	CCATGAGCGGCAGGTAAGAAA
Mmu MCP- 1	forward	GTGCTGACCCCAAGAAGGAA
	reverse	TTACGGGTCAACTTCACATTCAA
Mmu Leptin	forward	GTGGCTTTGGTCCTATCTGTC
	reverse	CGTGTGTGAAATGTCATTGATCC
Mmu Adiponectin	forward	GTTCCCAATGTACCCATTCGC
	reverse	TGTTGCAGTAGAACTTGCCAG
Mmu LXR	forward	CAAGGGAGCACGCTATGTCTG
	reverse	GGACACCGAAGTGGCTTGAG
Mmu FXR	forward	CGGCAGGCAGAATAAAAGGG
	reverse	GTGAGCGCGTTGTAGTGGT
Mmu GAPDH	forward	AGGTCGGTGTGAACGGATTG
	reverse	TGTAGACCATGTAGTTGAGGTCA

Supplementary Table 2 The qPCR primer sequence for bacteria

Primers	Sequence 5'-3'
16s	forward GGTGAATACGTTCCCGG reverse TACGGCTACCTTGTTACGACTT
F. nucleatum	forward CAACCATTACTTTAACTCTACCATGTTCA reverse GTTGACTTTACAGAAGGAGATTATGTAAAAATC
ETBF	forward GGATACATCAGCTGGGTTGTAG reverse GCGAACTCGGTTTATGCAGT
C. difficile	forward TCTACCACTGAAGCATTAC reverse TAGGTACTGTAGGTTTATTG
AIEC	forward GCTGTGTGCGCTTCGTCTAC reverse GATGGTAATTCTCGACTCCAGCGA
C. symbiosum	forward GTGAGATGATGTGCCAGGC reverse TACCGGTTGCTTCGTCGATT

F. nucleatum, *Fusobacterium nucleatum*; AIEC, Adherent-invasive *Escherichia coli*; C. difficile, *Clostridium difficile*; ETBF, Enterotoxigenic *bacteroides fragilis*.



Supplementary Figure 1 Relative abundances of (A) adherent-invasive *Escherichia coli* (AIEC), (B) Enterotoxigenic bacteroides fragilis (ETBF), (C) *Clostridium difficile* (*C. difficile*), and (D) *Fusobacterium nucleatum* (*F. nucleatum*) in fecal samples from Crohn's disease patients and normal control. ap < 0.05, bp < 0.01 vs. control.