

**Table S1. Primers used for quantitative real-time PCR. (Related to Figure 2 and Figure S5)**

Name	Forward primer (5'→3')	Reverse primer (5'→3')
<i>Trpv1</i>	AGCTGCAGCGAGCCATCACCA	ATCCTTGCCGTCCGGCGTGA
<i>Tac1</i>	GGTCTGACCGCAAATCGAAC	GATCTGGTCACTGTCGGACC
<i>Scn10a</i>	CCTGCTGCAAAGTGAACACC	CAGACTTCACTCGGGGCTTT
<i>Actb</i>	TGTTACCAACTGGGACGACA	TCTCAGCTGTGGTGGTGAAG

**Table S2. Phylum-specific qPCR primers. (Related to Figure 3)**

Name	Forward primer (5'→3')	Reverse primer (5'→3')
<i>Bacteroidetes</i>	GGTAGTCCACACAGTAAACGATGAA	CCCGTCAATTCCTTTGAGTTTC
<i>Firmicutes</i>	GGAGYATGTGGTTTAATTCGAAGCA	AGCTGACGACAACCATGCAC
<i>Universal 16S</i>	ACTCCTACGGGAGGCAGCAGT	ATTACCGCGGCTGCTGGC

**Table S3. Baseline characteristics of the healthy individual donors or patients with IBD. (Related to Figure 7)**

<b>Characteristics</b>	<b>No.</b>	<b>%</b>
<b>Gender</b> Female/Male	2/6	25/75
<b>Age</b> Mean (years) +/- SEM Range	12.5 +/- 1.524 7-16	
<b>Pathology</b> Healthy IBD	4 4	50 50
<b>Mayo Score</b> 5 1 2 6	1 1 1 1	25 25 25 25

All parameters were evaluated among 4 healthy and 4 IBD patients enrolled in the prospective study.