

Table S1 List of bacterial species and strains

Species	Phylum	Source
<i>Clostridioides difficile</i> (R20291)	Firmicutes	Stoke Mandeville; Trevor Lawley
<i>Clostridioides difficile</i> (630)	Firmicutes	Trevor Lawley
<i>Bifidobacterium adolescentis</i> (L2-32)	Actinobacteria	BEI Resources
<i>Bacteroides dorei</i> (CL02T00C15)	Bacteroidetes	BEI Resources
<i>Bacteroides thetaiotaomicron</i> (3_8_47FAA)	Bacteroidetes	Anne Marie Krachler
<i>Ruminococcus gnavus</i> (VPI-5482)	Firmicutes	BEI Resources
<i>Faecalibacterium prausnitzii</i> (CC55_001C)	Firmicutes	DSMZ
<i>Blautia hansenii</i> (17677 A2-165)	Firmicutes	DSMZ
<i>Eubacterium hallii</i> (3353)	Firmicutes	DSMZ
<i>Escherichia coli</i> (83972)	Proteobacteria	BEI Resources
<i>Bacteroides vulgatus</i> (CL09T03C04)	Bacteroidetes	BEI Resources
<i>Bacteroides finegoldii</i> (CL09T03C10)	Bacteroidetes	BEI Resources
<i>Bacteroides fragilis</i> (3_1_12)	Bacteroidetes	BEI Resources
<i>Bacteroides fragilis</i>	Bacteroidetes	Gianfranco Donelli

Table S2 List of primers used for RT-qPCR and PMA-qPCR

Species	Forward primer (5' to 3')	Reverse primer (5' to 3')	Gene target
RT-qPCR			
<i>C. difficile</i>	TCGTGGGAATTTAGCTGCAG	TTCCCAACGGTCTAGTCCAA	<i>tcdA</i>
<i>C. difficile</i>	AGGAGGCGTTATGAATATGACA	TGCTACTTTTCTGATTCCTCC A	<i>tcdE</i>
<i>C. difficile</i>	AACTCAGTAGATGATTTGCAAG AA	TCTCCCTCTTCATAATGTAAAA CTC	<i>tcdR</i>
PMA-qPCR			
<i>C. difficile</i>	GGTTGAAAGAATAGCAGAGTTA GTT	GCATTAGCATCCCTCTTTAATT CTA	<i>gyrA</i>
<i>B. adolescentis</i>	CTCCGGATACACGGTCATGG	GTCTTCGATATCCACGCCGA	<i>topI</i>
<i>B. dorei</i>	AAGCGGCTTCAAGAAACAGG	GTGCCCTTTACCTTGGGAAC	<i>topI</i>
<i>B. ovatus</i>	GGGCCTATTATCGCAACCGA	AGGTGCATACGTAGACGGAC	<i>topI</i>
<i>B. thetaiotaomicron</i>	GTCTGTAATCAAGTCCGCCG	AATGCCGGAAAGCGGTAAAC	<i>topI</i>
<i>R. gnavus</i>	GCTGAACAGAGCAGAAGAGC	TCCTTCGCAGTCTGAACATTC T	<i>gyrA</i>
<i>F. prausnitzii</i>	CCGGTGTCCGTGTCATGC	CTCAGCCTCTACTGTCTCGG	<i>gyrA</i>
<i>B. hansenii</i>	GACGTAAGAAGCACCGGTAGA	ATAATCGCCCTGACAGGTAAG C	<i>gyrA</i>

<i>E. hallii</i>	TACCGCCTCATCGGACTTGA	TCATGGAGGCTGGATGCTCT	<i>gyrA</i>
<i>E. coli</i>	GAACTCGGTGAGGACGGTTT	GCTGGAACAGGACGAACGTA	<i>gyrA</i>

Table S3. Accession numbers used in this study.

RNA sequencing analysis	
Species	NCBI Accession Number
<i>B. adolescentis</i>	GCF_000154085.1
<i>B. dorei</i>	GCF_000273035.1
<i>B. ovatus</i>	GCF_000218325.1
<i>B. thetaiotaomicron</i>	GCF_000011065.1
<i>R. gnavus</i>	GCF_000507805.1
<i>F. prausnitzii</i>	GCF_010509575.1
<i>E. Hallii</i>	GCF_000173975.1
<i>E. coli</i>	GCF_000148365.1
<i>C. difficile</i> R20291	GCF_000027105.1
<i>B. vulgatus</i>	GCF_000273295.1
Proteomics analysis	
Species	Uniprot Accession Number
<i>B. dorei</i>	UP000293499
<i>C. difficile</i>	UP000002070