

## Supplementary Data

SUPPLEMENTARY TABLE S1. BACTERIAL  
ABUNDANCE DATA

Phyla	Mean relative abundance (%)
Unassigned	0.057561
<i>Actinobacteria</i>	0.11257
<i>Bacteroidetes</i>	45.89742
<i>Cyanobacteria</i>	0.01667
<i>Firmicutes</i>	53.31591
<i>Fusobacteria</i>	0.006446
<i>Lentisphaerae</i>	0.008652
<i>Proteobacteria</i>	0.307848
<i>Tenericutes</i>	0.27154
<i>Verrucomicrobia</i>	0.005378
<b>Class</b>	
Unassigned	0.057561
<i>Coriobacteriia</i>	0.11257
<i>Bacteroidia</i>	45.89742
4C0d.2 (phylum <i>Cyanobacteria</i> )	0.01667
<i>Bacilli</i>	0.393939
<i>Clostridia</i>	52.41632
<i>Erysipelotrichi</i>	0.505647
<i>Fusobacteriia</i>	0.006446
<i>Lentisphaeria</i>	0.008652
<i>Alphaproteobacteria</i>	0.018665
<i>Betaproteobacteria</i>	0.15313
<i>Gammaproteobacteria</i>	0.136052
<i>Mollicutes</i>	0.22359
<i>RF3</i>	0.04795
<i>Verrucomicrobiae</i>	0.005378
<b>Order</b>	
Unassigned	0.057561
<i>Coriobacteriales</i>	0.11257
<i>Bacteroidales</i>	45.89742
<i>YS2</i>	0.01667
<i>Lactobacillales</i>	0.383032
<i>Turicibacterales</i>	0.010907
<i>Clostridiales</i>	52.40388
<i>SHA.98</i>	0.012444
<i>Erysipelotrichales</i>	0.505647
<i>Fusobacteriales</i>	0.006446
<i>Victivallales</i>	0.008652
<i>RF32</i>	0.018665
<i>Burkholderiales</i>	0.15313
<i>Enterobacteriales</i>	0.104165
<i>Pasteurellales</i>	0.031887
<i>RF39</i>	0.22359
<i>ML615J.28</i>	0.04795
<i>Verrucomicrobiales</i>	0.005378
<b>Family</b>	
Unassigned	0.057561
<i>Coriobacteriaceae</i>	0.11257
<i>Bacteroidaceae</i>	32.41117
<i>Porphyromonadaceae</i>	2.924716
<i>Prevotellaceae</i>	2.443383
<i>Rikenellaceae</i>	3.726357
<i>S24.7</i>	1.373809
<i>Barnesiellaceae</i>	1.435299

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SUPPLEMENTARY TABLE S1. (CONTINUED)

Phyla	Mean relative abundance (%)
<i>Odoribacteraceae</i>	0.5163
<i>Paraprevotellaceae</i>	1.066396
Unknown family of <i>YS2</i>	0.01667
<i>Lactobacillaceae</i>	0.02137
<i>Streptococcaceae</i>	0.361662
<i>Turicibacteraceae</i>	0.010907
Unknown family of <i>Clostridiales</i>	0.361798
Unknown family of <i>Clostridiales</i>	9.383414
<i>Christensenellaceae</i>	1.131544
<i>Clostridiaceae</i>	0.962914
<i>Dehalobacteriaceae</i>	0.006687
<i>Lachnospiraceae</i>	6.261562
<i>Peptococcaceae</i>	0.016657
<i>Peptostreptococcaceae</i>	0.054562
<i>Ruminococcaceae</i>	32.55501
<i>Veillonellaceae</i>	1.636918
<i>Mogibacteriaceae</i>	0.03281
Unknown family of <i>SHA.98</i>	0.012444
<i>Erysipelotrichaceae</i>	0.505647
<i>Fusobacteriaceae</i>	0.006446
<i>Victivallaceae</i>	0.008652
Unknown family of <i>RF32</i>	0.018665
<i>Alcaligenaceae</i>	0.15313
<i>Enterobacteriaceae</i>	0.104165
<i>Pasteurellaceae</i>	0.031887
Unknown family of <i>RF39</i>	0.22359
Unknown family of <i>ML615J.28</i>	0.04795
<i>Verrucomicrobiaceae</i>	0.005378
<b>Genus</b>	
Unassigned	0.057561
Unknown genus of <i>Coriobacteriaceae</i>	0.054859
<i>Collinsella</i>	0.057711
<i>Bacteroides</i>	32.41117
<i>Parabacteroides</i>	2.924716
<i>Prevotella</i>	2.443383
Unknown genus of <i>Rikenellaceae</i>	0.017862
Unknown genus of <i>Rikenellaceae</i>	3.708494
Unknown genus of <i>S247</i>	1.373809
Unknown genus of <i>Barnesiellaceae</i>	1.435299
<i>Butyricimonas</i>	0.101478
<i>Odoribacter</i>	0.414822
Unknown genus of <i>Paraprevotellaceae</i>	0.012541
<i>Paraprevotella</i>	0.838143
<i>Prevotella</i>	0.215713
Unknown genus of <i>YS2</i>	0.01667
<i>Lactobacillus</i>	0.02137
<i>Lactococcus</i>	0.025231
<i>Streptococcus</i>	0.336431
<i>Turicibacter</i>	0.010907
Unknown genus of <i>Clostridiales</i>	0.361798
Unknown genus of <i>Clostridiales</i>	9.383414
Unknown genus of <i>Christensenellaceae</i>	1.131544
Unknown genus of <i>Clostridiaceae</i>	0.289123
<i>Clostridium</i>	0.673791
<i>Dehalobacterium</i>	0.006687
Unknown genus of <i>Lachnospiraceae</i>	0.181512

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SUPPLEMENTARY TABLE S1. (CONTINUED)

<i>Phyla</i>	<i>Mean relative abundance (%)</i>
Unknown genus of <i>Lachnospiraceae</i>	3.124668
<i>Anaerostipes</i>	0.073433
<i>Blautia</i>	0.839249
<i>Coprococcus</i>	0.984572
<i>Dorea</i>	0.293654
<i>Lachnobacterium</i>	0.02796
<i>Lachnospira</i>	0.465199
<i>Roseburia</i>	0.037708
<i>Ruminococcus</i>	0.233607
<i>rc4.4</i>	0.016657
Unknown genus of <i>Peptostreptococcaceae</i>	0.054562
Unknown genus of <i>Ruminococcaceae</i>	0.023423
Unknown genus of <i>Ruminococcaceae</i>	16.17185
<i>Anaerotruncus</i>	0.003857
<i>Faecalibacterium</i>	9.658239
<i>Oscillospira</i>	1.252751
<i>Ruminococcus</i>	5.444896
<i>Dialister</i>	0.687279
<i>Megamonas</i>	0.05999
<i>Megasphaera</i>	0.008272
<i>Phascolarctobacterium</i>	0.726499
<i>Succiniclacticum</i>	0.042022
<i>Veillonella</i>	0.112855
Unknown genus of <i>Mogibacteriaceae</i>	0.03281
Unknown genus of <i>SHA.98</i>	0.012444
Unknown genus of <i>Erysipelotrichaceae</i>	0.281512
<i>Catenibacterium</i>	0.010634
<i>Clostridium</i>	0.034934
<i>Holdemania</i>	0.034519
<i>Eubacterium</i>	0.107802
<i>cc115</i>	0.036246
<i>Fusobacterium</i>	0.006446
Unknown genus of <i>Victivallaceae</i>	0.008652
Unknown genus of <i>RF32</i>	0.018665
<i>Sutterella</i>	0.15313
Unknown genus of <i>Enterobacteriaceae</i>	0.104165
<i>Haemophilus</i>	0.031887
Unknown genus of <i>RF39</i>	0.22359
Unknown genus of <i>ML615J.28</i>	0.04795
<i>Akkermansia</i>	0.005378