

S4 Table.

Kingdom	Genus	B+/C+ vs. B-/C+		B+/C+ vs. B-/C-	
		Log2 (fold change)	p-value	Log2 (fold change)	p-value
Bacteria	<i>Cetobacterium</i>	-23.74	2.92e-17	-23.53	2.99e-16
	<i>Tissierella</i>	-15.36	1.52e-04	-24.44	3.67e-12
	<i>Akkermansia</i>	-2.83	4.59e-04	-	-
	<i>Enterococcus</i>	-	-	-5.36	1.35e-11
	<i>Escherichia/Shigella</i>	-	-	-1.81	4.33e-03
	Clostridiales_vadinBB60_group ^a	-	-	-1.69	3.15e-03
	Unidentified bacterium ^b	-	-	-2.19	9.37e-04
Eukaryota	<i>Antrodia</i>	-22.28	4.82e-18	-21.63	3.16e-16
	<i>Coniochaeta</i>	-	-	-22.7	2.65e-11
	<i>Clavispora</i>	-	-	-3.73	3.56e-03

^a ASV unclassified at the genus level but belonging to the family mentioned above.

^b ASV unclassified at phylum level.