

Table S1. Top blast hit, Mothur-based classification, accession number and percent identity of the 10 most abundant OTUs (making up at least 1% of the entire dataset).

OTU	Mothur classification	Top BLAST hit	Accession Number	% Identity
OTU0001	Fructobacillus	Fructobacillus fructosus	JX896573.1	100%
OTU0002	Firm-4	Lactobacillus sp.	JX896491.1	100%
OTU0003	Firm-5	Lactobacillus sp.	JX896473.1	100%
OTU0025	Firm-5	Lactobacillus sp.	JX896461.1	100%
OTU0039	Bacillus weihenstephanensi	Bacillus thuringiensis	CP010088.1	100%
OTU0072	Alpha 2.2	Acetobacteraceae	KM454405.1	100%
OTU0092	Lactobacillales	Lactobacillus kunkeei	KM454401.1	100%
OTU0107	Bifidobacteriaceae	Bifidobacterium asteroides	KM454415.1	100%
OTU0115	Firm-5	Lactobacillus sp.	JX896483.1	100%
OTU0412	Firm-5	Lactobacillus sp.	JX896514.1	100%

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>OTU001 Fructobacillus
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>OTU0002 Firm4
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GGTAGCGAACACAGG
>OTU0003 Firm5
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>OTU0025 Firm5
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>OTU0039 Bacillus weihenstephanensi
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>OTU0092 Lacto
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AAATGCGTAGATATATGGAAGAACCACAGTGGCGAAGGCGGCTCTCTGGTCTGTTAACTGACGCTGAGGTTTCGAAAGCATG
GGTAGCGAACACAGG

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Supplementary File 1. Fasta formatted sequence representatives for each of the top 10 most abundant OTUs in the dataset.

OTU	Size	Taxonomy
Otu0001	372961	k__Bacteria(100);p__Firmicutes(100);c__Bacilli(100);o__Lactobacillales(100);f__Leuconostocaceae(100);g__Fructobacillus(100);unclassified(100);
Otu0002	15005	Bacteria(100);Firmicutes(100);Bacilli(100);Lactobacillales(100);firm-4(100);unclassified(100);unclassified(100);
Otu0003	116961	Bacteria(100);Firmicutes(100);Bacilli(100);Lactobacillales(100);firm-5(100);unclassified(100);unclassified(100);
Otu0025	49652	Bacteria(100);Firmicutes(100);Bacilli(100);Lactobacillales(100);firm-5(100);unclassified(100);unclassified(100);
Otu0039	57445	k__Bacteria(100);p__Firmicutes(100);c__Bacilli(100);o__Bacillales(100);f__Bacillaceae(100);g__Bacillus(100);s__Bacillusweihenstephanensi(100);
Otu0072	171259	Bacteria(100);Proteobacteria(100);Alphaproteobacteria(100);Acetobacteriaceae(100);alpha-2.2(100);unclassified(100);unclassified(100);
Otu0092	261126	Bacteria(100);Firmicutes(100);Bacilli(100);Lactobacillales(100);Lactobacillales_incertae_sedis(100);unclassified(100);unclassified(100);
Otu0107	73061	Bacteria(100);Actinobacteria(100);Actinobacteria(100);Actinobacteridae(100);Bifidobacteriales(100);Bifidobacteriaceae(100);unclassified(100);
Otu0115	199458	Bacteria(100);Firmicutes(100);Bacilli(100);Lactobacillales(100);firm-5(100);unclassified(100);unclassified(100);
Otu0412	112348	Bacteria(100);Firmicutes(100);Bacilli(100);Lactobacillales(100);firm-5(100);unclassified(100);unclassified(100);

Supplementary File 2. Size and full RDP-NBC classification for each of the top 10 most abundant OTUs in the dataset.