

Supplementary Materials

Table S1. Bacterial genera reported over time in aguamiel and pulque.

Phylum	Genera	Matrix	Technique	Reference
<i>Actinobacteria</i>	<i>Adlercreutzia</i>	Tailstock	Illumina Sequencing	Rocha et al., 2020
	<i>Cellulosimicrobium</i>	Aguamiel, Tailstock	Illumina Sequencing	Rocha et al., 2020
	<i>Coryneacterium</i>	Aguamiel, Tailstock	Illumina Sequencing	Rocha et al., 2020
	<i>Euzebia</i>	Pulque	Illumina Sequencing	Rocha et al., 2020
	<i>Luteimicrobium</i>	Tailstock	Illumina Sequencing	Rocha et al., 2020
<i>Bacteriodetes</i>	<i>Chryseobacterium</i>	Pulque	16S rRNA analysis	Escalante et al., 2008
	<i>Dysgonomonas</i>	Pulque	Illumina Sequencing	Rocha et al., 2020
	<i>Flavobacterium</i>	Pulque	16S rRNA analysis	Escalante et al., 2004
	<i>Prevotella</i>	Aguamiel	Illumina Sequencing	Rocha et al., 2020
<i>Chloroflexi</i>	<i>Ardenscatena</i>	Tailstock	Illumina Sequencing	Rocha et al., 2020
<i>Cyanobacteria</i>	<i>Halomicronema</i>	Aguamiel, Tailstock, Pulque	Illumina Sequencing	Rocha et al., 2020
	<i>Synechococcus</i>	Aguamiel, Pulque	Illumina Sequencing	Rocha et al., 2020
<i>Firmicutes</i>	<i>Bacillus</i>	Pulque, Aguamiel	16S rRNA analysis	Escalante et al., 2008
	<i>Clostridium</i>	Aguamiel, Tailstock	Illumina Sequencing	Rocha et al., 2020
	<i>Enterococcus</i>	Aguamiel	DGGE analysis	Villareal et al., 2019
	<i>Lactobacillus</i>	Pulque	16S rRNA analysis	Escalante et al., 2004
	<i>Lactococcus</i>	Aguamiel, Tailstock, Pulque	Illumina Sequencing	Rocha et al., 2020
	<i>Pediococcus</i>	Aguamiel	DGGE analysis	Villareal et al., 2019
	<i>Streptococcus</i>	Aguamiel	16S rRNA analysis	Escalante et al., 2008
	<i>Weissella</i>	Aguamiel, Tailstock, Pulque	Illumina Sequencing	Rocha et al., 2020
<i>Proteobacteria</i>	<i>Acetobacter</i>	Aguamiel, Tailstock, Pulque	Illumina Sequencing	Rocha et al., 2020
	<i>Acinetobacter</i>	Aguamiel	16S rRNA analysis	Escalante et al., 2008
	<i>Enterobacter</i>	Aguamiel, Pulque	16S rRNA	Enríquez et al., 2019
	<i>Erwinia</i>	Aguamiel	16S rRNA	Enríquez et al., 2019
	<i>Klebsiella</i>	Tailstock, Pulque	Illumina Sequencing	Rocha et al., 2020
	<i>Kluyvera</i>	Aguamiel, Pulque	16S rRNA analysis	Escalante et al., 2008
	<i>Pseudomonas</i>	Tailstock	Illumina Sequencing	Rocha et al., 2020
	<i>Zymomonas</i>	Pulque	16S rRNA amplicons	Escalante et al., 2008

Table S2. Relative abundance of 16S amplicons assigned to bacterial groups found in aguamiel, seedsamples, artisanal and commercial pulque.

Family	Genus	Aguamiel	Seed	Artisanal pulque	Commercial pulque
Bacteroidales S24-7	uncultured	0.05 ± 0.02	0.05 ± 0.1	0.05 ± 0.02	0.05 ± 0.01
Lactobacillaceae	<i>Lactobacillus</i>	5.07 ± 1.37	83.37 ± 2.95	63.61 ± 6.01	54.43 ± 6.97
Leuconostocaceae	<i>Leuconostoc</i>	49.36 ± 2.57	5.98 ± 0.92	14.06 ± 2.80	20.85 ± 4.43
	<i>Weissella</i>	0.00 ± 0.00	0.08 ± 0.07	0.15 ± 0.02	0.14 ± 0.03
Streptococcaceae	<i>Leuconostoc</i>	22.33 ± 0.99	4.62 ± 1.99	14.03 ± 1.63	20.52 ± 3.01
	uncultured	0.01 ± 0.01	0.03 ± 0.01	0.06 ± 0.01	0.05 ± 0.00
Lachnospiraceae	NK4A136 group	0.01 ± 0.01	0.01 ± 0.00	0.01 ± 0.00	0.01 ± 0.00
	uncultured	0.01 ± 0.01	0.03 ± 0.00	0.06 ± 0.00	0.05 ± 0.01
Erysipelotrichaceae	<i>Faecalibaculum</i>	0.01 ± 0.01	0.01 ± 0.00	0.01 ± 0.00	0.01 ± 0.01
Acetobacteraceae	<i>Acetobacter</i>	0.02 ± 0.01	0.83 ± 0.16	2.95 ± 2.07	0.40 ± 0.05
	Other	0.00 ± 0.00	0.02 ± 0.01	0.08 ± 0.03	0.02 ± 0.01
Sphingomonadaceae	<i>Zymomonas</i>	0.00 ± 0.00	1.11 ± 0.95	2.81 ± 0.24	2.39 ± 0.86
Enterobacteriaceae	<i>Enterovacter</i>	0.04 ± 0.00	0.02 ± 0.01	0.01 ± 0.01	0.02 ± 0.01
	<i>Hafnia</i>	0.07 ± 0.00	0.01 ± 0.00	0.01 ± 0.00	0.01 ± 0.01
Moraxellaceae	<i>Acinetobacter</i>	22.83 ± 2.27	3.75 ± 1.38	2.05 ± 1.08	1.02 ± 0.16
	Total	99.81	99.90	99.90	99.92