

SUPPLEMENTARY MATERIAL

“Insights into the lemon epiphytic microbiome: impact of the biocontrol yeast *Clavispora lusitaniae* 146”

Supplementary Table S1. Sequencing and quality filtering results for 16S (bacteria) and ITS (fungi) data. C1, C2, C3 and C4 correspond to untreated control samples; and T1, T2, T3 and T4 to samples treated with yeast 146.

	BACTERIA				FUNGI			
Sample_id	Reads	Denoising		Mitoc-Chlo-Filtered	Reads	Denoising		Mitoc-Chlo-Filtered
C1	60778	9616	15.8	915	33729	22157	65.7	2654
C2	25531	4999	19.6	406	36480	25222	59.1	2708
C3	26944	4754	17.6	564	55209	37602	68.1	13525
C4	32168	6942	21.6	224	37137	21001	56.6	8367
T1	42332	7236	17.1	1212	27778	21903	78.9	16969
T2	32707	6194	18.9	248	27936	20423	73.1	6365
T3	50217	8623	17.2	550	25244	19113	75.7	7352
T4	27150	4319	15.9	311	34010	22874	67.3	11526

Supplementary Table S2. Alpha diversity of bacterial and fungal communities. C1, C2, C3 and C4 correspond to untreated control samples; and T1, T2, T3 and T4 to samples treated with yeast 146.

	BACTERIA			FUNGI		
Sample_id	Obs-features	Shannon	Faith	Obs-features	Shannon	Faith
C1	17	3.7	1.8	47	4.1	11.5
C2	11	3.2	1.1	50	4.5	7.7
C3	13	3.4	1.5	104	4.7	13.5
C4	5	2.2	0.7	77	4.1	12
T1	30	4.6	2.6	26	1.5	5.4
T2	7	2.4	0.9	34	2.1	8.8
T3	13	3.2	1.6	48	2.6	11.9
T4	9	2.5	1	46	2.8	8.8

Supplementary Table S3. Relative abundance of genera in lemon peel. C: untreated control; T: treatment with yeast 146.

Bacteria Genera	C (%)	T (%)
<i>Sphingomonas</i> (Alphaproteobacteria)	8 - 21	12 - 33
<i>Aquabacterium</i> (Gammaproteobacteria)	10 - 39	5 - 27
Unclassified (Alphaproteobacteria)	6 - 14	5 - 16
<i>Pelomonas</i> (Gammaproteobacteria)	0 - 12	3 - 34
<i>Nocardioide</i> s (Actinobacteria)	0 - 22	0 - 10
<i>Bacillus</i> (Firmicutes)	0 - 15	0 - 7
Unclassified (Alphaproteobacteria)	0 - 10	2 - 9
<i>Methylobacterium</i> - <i>Methylobacterium</i> (Alphaproteobacteria)	2 - 15	0 - 6
Fungi Genera		
<i>Clavispora</i> (Ascomycota)	12 - 32	66 - 95
<i>Kordyana</i> (Basidiomycota)	5 - 33	2 - 14
<i>Cladosporium</i> (Ascomycota)	8 - 23	1 - 12
<i>Aureobasidium</i> (Ascomycota)	5 - 18	0 - 1

Datasets: The sequencing data have been deposited in the National Center for Biotechnology Information (NCBI) Sequence Read Archive (SRA) under the BioProject ID PRJNA1139195.