

Supplementary Table S1. Connection between microbial richness (Observed ASVs) and culture of plants, phase I. ANOVA results.

	<b>Df</b>	<b>SumSq</b>	<b>MeanSq</b>	<b>F</b>	<b>p-value</b>
Culture	5	841473	168295	14.04	2.62e-11
Residuals	154	1845891	11986		

Supplementary Table S2. Connection between Bray-Curtis distances and culture of plants, phase I. PERMANOVA results.

	<b>Df</b>	<b>SumSq</b>	<b>R2</b>	<b>F</b>	<b>p-value</b>
Culture	5	1.2226	0.07602	2.5342	0.001
Residuals	154	14.8587	0.92398		
Total	159	16.0812	1.00000		

Number of permutation – 999.

Supplementary Table S3. Connection between microbial richness (Observed ASVs) and culture of plants, phase II. ANOVA results.

	<b>Df</b>	<b>SumSq</b>	<b>MeanSq</b>	<b>F</b>	<b>p-value</b>
SecondaryCulture	4	26067	6517	0.868	0.4852
PrimaryCulture	4	526666	131667	17.538	2.06e-11
SecondaryCulture:PrimaryCulture	16	237302	14831	1.976	0.0197
Residuals	123	923405	7507		

Supplementary Table S4. Connection between Bray-Curtis distances and culture of plants, phase II. PERMANOVA results.

	<b>Df</b>	<b>SumSq</b>	<b>R2</b>	<b>F</b>	<b>p-value</b>
PrimaryCulture	4	0.9838	0.06442	2.1765	0.001
SecondaryCulture	4	0.6474	0.04239	1.7903	0.001
PrimaryCulture:SecondaryCulture	16	1.7086	0.11187	1.1812	0.001
Residual	123	11.9335	0.78133		
Total	147	15.2734	1.00000		

Number of permutation – 999