

Supplemental Tables

Table S1. Alpha diversity significance test. The Kruskal-Wallis test was used to calculate p-value between experimental groups for phylogenetic diversity index and species richness. A p-value <0.05 is flagged with an asterisk.

		P-value for Phylogenetic Diversity Index	P-value for Species Richness
OC0	OC2	0.175	0.117
OC0	OS0	0.251	0.251
OC0	OS2	0.917	0.602
OC0	YC0	0.009*	0.059
OC0	YC2	0.347	0.754
OC0	YS0	0.009*	0.175
OC0	YS2	0.754	0.347
OC2	OS0	0.754	0.347
OC2	OS2	0.602	0.754
OC2	YC0	0.009*	0.009*
OC2	YC2	0.009*	0.016*
OC2	YS0	0.009*	0.009*
OC2	YS2	0.076	0.175
OS0	OS2	0.754	0.917
OS0	YC0	0.009*	0.009*
OS0	YC2	0.028*	0.142
OS0	YS0	0.009*	0.009*
OS0	YS2	0.465	0.602
OS2	YC0	0.175	0.175
OS2	YC2	0.602	0.754
OS2	YS0	0.465	0.465
OS2	YS2	0.917	0.754
YC0	YC2	0.009*	0.009*
YC0	YS0	0.175	0.175
YC0	YS2	0.076	0.009*
YC2	YS0	0.016*	0.016*
YC2	YS2	0.117	0.175
YS0	YS2	0.076	0.028*

Table S2. Beta-diversity significance test. The p-values of significant differences in beta diversity between experimental groups were calculated using permutational multivariate analysis of variance (PERMANOVA) with 999 Monte Carlo permutations. A p-value <0.05 is flagged with an asterisk.

		Bray Curtis	unweighted UniFrac	weighted UniFrac	Jaccard
OC0	OC2	0.008*	0.014*	0.272	0.006*
OC0	OS0	0.040*	0.020*	0.184	0.021*
OC0	OS2	0.010*	0.006*	0.009*	0.007*
OC0	YC0	0.009*	0.011*	0.045*	0.007*
OC0	YC2	0.009*	0.006*	0.007*	0.009*
OC0	YS0	0.010*	0.008*	0.096	0.010*
OC0	YS2	0.006*	0.010*	0.040*	0.009*
OC2	OS0	0.006*	0.006*	0.276	0.006*
OC2	OS2	0.019*	0.164	0.004*	0.110
OC2	YC0	0.011*	0.009*	0.027*	0.005*
OC2	YC2	0.010*	0.012*	0.017*	0.008*
OC2	YS0	0.006*	0.009*	0.035*	0.009*
OC2	YS2	0.115	0.079	0.033*	0.056
OS0	OS2	0.009*	0.006*	0.009*	0.012*
OS0	YC0	0.010*	0.008*	0.009*	0.007*
OS0	YC2	0.012*	0.013*	0.020*	0.005*
OS0	YS0	0.017*	0.006*	0.035*	0.010*
OS0	YS2	0.005*	0.007*	0.030*	0.008*
OS2	YC0	0.010*	0.012*	0.007*	0.008*
OS2	YC2	0.008*	0.007*	0.006*	0.011*
OS2	YS0	0.008*	0.007*	0.007*	0.010*
OS2	YS2	0.054	0.158	0.005*	0.102
YC0	YC2	0.007*	0.009*	0.010*	0.004*
YC0	YS0	0.063	0.025*	0.164	0.063
YC0	YS2	0.007*	0.010*	0.016*	0.012*
YC2	YS0	0.018*	0.006*	0.009*	0.008*
YC2	YS2	0.107	0.006*	0.585	0.012*
YS0	YS2	0.018*	0.012*	0.007*	0.012*