

Supplementary Material. Table S3. Pairwise comparison of estimated marginal means for factors and interactions that significantly affected diversity indices in fungal communities (see Main text). *p*-values were adjusted with FDR method. The significance of each factor is indicated with asterisks: ***: $p < 0.001$; *: $p < 0.05$.

D: diseased condition; H: healthy condition; DB: diseased bulk soil; HB: healthy bulk soil; DR: diseased rhizosphere soil; HR: healthy rhizosphere soil. SE: Standard Error; df: degrees of freedom; Inf: infinite

	Estimate	SE	df	z-ratio	<i>p</i> -value
Observed richness					
D – H	0.094	0.0245	Inf	3844	0.0001***
Chao1 Index					
D – H	0.0906	0.0369	13	2456	0.0289*
Shannon index					
D R - H R	0.09904887	0.03601582	12	2.750149	0.04796495*
D B - H B	-0.03802168	0.03601582	12	-1.055694	0.31189936
H B - H R	0.09301458	0.03601582	12	2.582603	0.04796495*
D B - D R	-0.04405596	0.03601582	12	-1.223239	0.31189936
Pielou index					
D R - H R	0.08835823	0.03395578	12	2.602156	0.04626758*
D B - H B	-0.05534042	0.03395578	12	-1.629779	0.14705405
H B - H R	0.09106042	0.03395578	12	2.681735	0.04626758*
D B - D R	-0.05263824	0.03395578	12	-1.550200	0.14705405