

**Table S2** Structural attributes of networks obtained through network analysis for different plant niches (stem, leaf and root) and the total networks.

	Stem	Leaf	Root	Total
Nodes	81	79	120	112
Edges	318	308	1385	441
Network diameter	8	7	7	11
Network connectivity	7.852	7.797	23.083	7.875
Clustering coefficient	0.450	0.627	0.595	0.525
Network density	0.098	0.100	0.194	0.071
Network centralization	0.181	0.134	0.247	0.139
Characteristic path length	3.101	3.453	2.357	3.913
Network heterogeneity	0.680	0.603	0.621	0.852
Co-presence (%)	91.5%	97.1%	98.9%	100%

**Table S3** The ten keystone species in each plant niches, characterized by their number of total degrees, as either positive (+) or negative (-), and their relative abundance (%).

	Order	Genus	Species	OTU	degree	+	-	Abundance (%)
Stem	<i>Pleosporales</i>	<i>Neocamarosporium</i>	<i>Neocamarosporium</i> sp.	OTU150	22	21	1	1.1735
	<i>Pleosporales</i>	unclassified	unclassified <i>Pleosporales</i>	OTU175	19	19	0	2.9137
	<i>Cystofilobasidiales</i>	<i>Udeniomyces</i>	unclassified <i>Udeniomyces</i>	OTU188	19	17	2	2.9507
	<i>Filobasidiales</i>	<i>Filobasidium</i>	unclassified <i>Filobasidium</i>	OTU174	18	16	2	0.6769
	<i>Cystofilobasidiales</i>	<i>Udeniomyces</i>	<i>Udeniomyces puniceus</i>	OTU185	18	15	3	0.9139
	<i>Pleosporales</i>	<i>Hazslinszkyomyces</i>	<i>Hazslinszkyomyces lycii</i>	OTU398	17	17	0	0.2811
	Unclassified <i>Ascomycota</i>	unclassified	unclassified <i>Ascomycota</i>	OTU480	17	17	0	0.3411
	Unclassified <i>Ascomycota</i>	unclassified	unclassified <i>Ascomycota</i>	OTU212	17	17	0	0.3945
	Unclassified <i>Ascomycota</i>	unclassified	unclassified <i>Ascomycota</i>	OTU473	17	17	0	0.0959
	<i>Tremellales</i>	unclassified	unclassified <i>Sirobasidiaceae</i>	OTU173	16	16	0	0.1922
Leaf	<i>Pleosporales</i>	unclassified	unclassified <i>Phaeosphaeriaceae</i>	OTU178	18	18	0	0.0005
	<i>Dothideales</i>	<i>Dothiora</i>	<i>Dothiora</i> sp.	OTU9	18	18	0	1.6539
	<i>Sordariales</i>	<i>Podospira</i>	<i>Podospira setosa</i>	OTU368	18	18	0	0.0805
	<i>Hypocreales</i>	<i>Acremonium</i>	<i>Acremonium chrysogenum</i>	OTU167	18	18	0	3.2312
	<i>Pezizales</i>	<i>Lasiobolidium</i>	<i>Lasiobolidium spirale</i>	OTU446	18	18	0	0.0098
	<i>Pezizales</i>	unclassified	unclassified <i>Ascobolaceae</i>	OTU154	18	18	0	0.0031
	<i>Tremellales</i>	<i>Dioszegia</i>	unclassified <i>Dioszegia</i>	OTU170	18	18	0	0.0003
	<i>Pleosporales</i>	unclassified	unclassified <i>Didymosphaeriaceae</i>	OTU498	18	18	0	0.0015
	<i>Pleosporales</i>	<i>Alternaria</i>	<i>Alternaria chlamydospora</i>	OTU483	15	15	0	0.0736
	<i>Pleosporales</i>	unclassified	unclassified <i>Lentitheciaceae</i>	OTU493	15	15	0	0.1088
	<i>Filobasidiales</i>	<i>Naganishia</i>	unclassified <i>Naganishia</i>	OTU189	52	52	0	0.0921
	<i>Pleosporales</i>	<i>Thyrostroma</i>	<i>Thyrostroma</i> sp.	OTU10	51	51	0	0.8366
Root	<i>Dothideales</i>	<i>Dothiora</i>	<i>Dothiora</i> sp.	OTU9	49	49	0	0.0270
	<i>Pleosporales</i>	unclassified	unclassified <i>Pleosporales</i>	OTU337	47	45	2	3.7803
	<i>Pleosporales</i>	<i>Neocamarosporium</i>	<i>Neocamarosporium</i> sp.	OTU5	46	46	0	0.0092
	<i>Pleosporales</i>	<i>Thyrostroma</i>	unclassified <i>Thyrostroma</i>	OTU11	46	46	0	0.0182
	<i>Pleosporales</i>	unclassified	<i>Pleosporales</i> sp.	OTU120	45	45	0	0.0003
	<i>Pleosporales</i>	<i>Neocamarosporium</i>	<i>Neocamarosporium</i> sp.	OTU227	45	45	0	0.0283
	<i>Pleosporales</i>	<i>Sporormiella</i>	<i>Sporormiella australis</i>	OTU218	45	45	0	0.0085
	<i>Pleosporales</i>	unclassified	unclassified <i>Pleosporales</i>	OTU203	43	43	0	0.0196
	<i>Hypocreales</i>	<i>Gibberella</i>	<i>Gibberella tricineta</i>	OTU89	23	23	0	0.0511
	<i>Hypocreales</i>	<i>Bionectria</i>	<i>Bionectria pseudochroleuca</i>	OTU80	23	23	0	0.0383
Total	<i>Hypocreales</i>	<i>Lecanicillium</i>	unclassified <i>Lecanicillium</i>	OTU53	23	23	0	0.1486
	<i>Hypocreales</i>	<i>Sarocladium</i>	<i>Sarocladium kiliense</i>	OTU417	23	23	0	0.2487
	<i>Chaetothyriales</i>	<i>Cyphellophora</i>	<i>Cyphellophora olivacea</i>	OTU103	23	23	0	0.1003
	<i>Hypocreales</i>	<i>Sarocladium</i>	unclassified <i>Sarocladium</i>	OTU45	23	23	0	0.0507
	<i>Eurotiales</i>	<i>Penicillium</i>	<i>Penicillium sanguifluum</i>	OTU96	23	23	0	0.1993
	<i>Hypocreales</i>	<i>Gibberella</i>	<i>Gibberella tricineta</i>	OTU26	23	23	0	0.0464
	<i>Hypocreales</i>	<i>Fusarium</i>	<i>Fusarium proliferatum</i>	OTU400	22	22	0	0.8044
	<i>Hypocreales</i>	<i>Fusarium</i>	<i>Fusarium redolens</i>	OTU477	22	22	0	0.2570