

附录10 不同干旱处理下网络中模块中心点和连接节点

Appendix 10 Module hubs and connectors in networks under different drought treatments

操作分类单元	不同类群	模块内连通性	模块间连通性	拓扑角色	分类水平
OTU	Category	Within-module connectivity	性 Among-module connectivity	Role	Classification
自然对照(CK) Ambient control					
OTU_50	AT	2.61	0.00	模块中心点 Module hub	p__Ascomycota; c__Dothideomycetes; o__Pleosporales; f__Pleosporaceae; g__Alternaria; s__Alternaria_metachromatica
OTU_149	AT	3.24	0.00	模块中心点 Module hub	p__Ascomycota; c__Dothideomycetes; o__Dothideales; f__Aureobasidiaceae; g__Aureobasidium; s__Aureobasidium_pullulans
OTU_163	AT	2.98	0.24	模块中心点 Module hub	p__Ascomycota; c__Sordariomycetes; o__Xylariales; f__Diatrypaceae; g__Monosporascus; s__Monosporascus_cannonballus
OTU_210	AT	2.68	0.00	模块中心点 Module hub	p__Ascomycota; c__Pezizomycetes; o__Pezizales; f__Pyrenomataceae; g__Trichophaeopsis; s__unidentified
OTU_629	MT	2.52	0.00	模块中心点 Module hub	p__Mortierellomycota; c__Mortierellomycetes; o__Mortierellales; f__Mortierellaceae; g__Mortierella; s__unidentified
OTU_811	AT	4.47	0.15	模块中心点 Module hub	p__Ascomycota; c__Dothideomycetes; o__Pleosporales; f__Pleosporaceae; g__Curvularia
OTU_2361	RT	2.61	0.23	模块中心点 Module hub	p__Ascomycota; c__Dothideomycetes; o__Pleosporales; f__Pleosporaceae; g__Alternaria; s__Alternaria_metachromatica
OTU_3342	AT	3.24	0.00	模块中心点 Module hub	p__Ascomycota; c__Sordariomycetes; o__Hypocreales; f__Nectriaceae; g__Gibberella; s__Gibberella_tricincta
OTU_8245	RT	2.52	0.00	模块中心点 Module hub	p__Ascomycota; c__Dothideomycetes; o__Pleosporales
OTU_840	CART	1.15	0.75	连接节点 Connector	p__Ascomycota; c__Dothideomycetes; o__Pleosporales
OTU_1476	RT	0.74	0.72	连接节点 Connector	p__Ascomycota
OTU_7624	RT	0.75	0.63	连接节点 Connector	p__Ascomycota; c__Dothideomycetes; o__Pleosporales
OTU_7759	RT	0.35	0.64	连接节点 Connector	p__Ascomycota; c__Sordariomycetes; o__Sordariales; f__Chaetomiaceae
OTU_8969	CART	0.74	0.63	连接节点 Connector	p__Ascomycota; c__Dothideomycetes; o__Pleosporales; f__Sporormiaceae; g__Sporormia; s__unidentified
干旱三年(D3) Drought for 3 years					
OTU_53	AT	2.93	0.00	模块中心点 Module hub	p__Ascomycota; c__Dothideomycetes; o__Pleosporales; f__Pleosporaceae; g__Comoclathris; s__unidentified
OTU_194	RT	2.62	0.00	模块中心点 Module hub	p__Ascomycota; c__Dothideomycetes; o__Pleosporales
OTU_292	AT	2.72	0.00	模块中心点 Module hub	p__Ascomycota; c__Dothideomycetes; o__Pleosporales; f__Sporormiaceae; g__Sporormiella; s__Sporormiella_megalospora
OTU_2933	AT	2.96	0.00	模块中心点 Module hub	p__Ascomycota; c__Dothideomycetes; o__Pleosporales; f__Pleosporaceae; g__Alternaria
OTU_3262	RT	3.78	0.37	模块中心点 Module hub	p__Ascomycota

操作分类单元	不同类群	模块内连通性	模块间连通性	拓扑角色	分类水平
OTU	Category	Within-module connectivity	性 Among-module connectivity	Role	Classification
OTU_4517	RT	3.52	0.22	模块中心点 Module hub	p__Ascomycota; c__Eurotiomycetes
OTU_5361	RT	2.83	0.24	模块中心点 Module hub	p__Ascomycota; c__Eurotiomycetes; o__Chaetothyriales; f__Herpotrichiellaceae; g__Rhinochlaeniella; s__unidentified
OTU_7956	RT	2.63	0.00	模块中心点 Module hub	p__Ascomycota; c__Sordariomycetes; o__Coniochaetales; f__Coniochaetales; g__Coniochaeta; s__Coniochaeta_canina
OTU_10113	RT	2.72	0.00	模块中心点 Module hub	p__Ascomycota; c__Dothideomycetes
OTU_11545	RT	3.07	0.24	模块中心点 Module hub	p__Ascomycota; c__Leotiomyces; o__Helotiales; f__Helotiales_fam_Incertae_sedis; g__Rhynchosporium; s__Rhynchosporium_communis
OTU_4362	RT	0.85	0.67	连接节点 Connector	p__Ascomycota; c__Leotiomyces; o__Thelebolales; f__Pseudeurotiaceae; g__Pseudogymnoascus; s__Pseudogymnoascus_roseus
OTU_5177	RT	0.19	0.63	连接节点 Connector	p__Ascomycota; c__Eurotiomycetes; o__Chaetothyriales
OTU_6917	RT	0.84	0.67	连接节点 Connector	p__Ascomycota; c__Sordariomycetes; o__Coniochaetales; f__Coniochaetales; g__Lecythophora; s__unidentified;
OTU_9158	RT	1.04	0.67	连接节点 Connector	p__Ascomycota; c__Dothideomycetes; o__Pleosporales; f__Pleosporaceae; g__Neocamarosporium; s__unidentified
OTU_12637	RT	0.19	0.72	连接节点 Connector	p__Ascomycota; c__Dothideomycetes; o__Capnodiales; f__Mycosphaerellaceae; g__Sphaerulina; s__Sphaerulina_socia
干旱十年(D10) Drought for 10 years					
OTU_54	AT	2.89	0.00	模块中心点 Module hub	p__Basidiomycota; c__Agaricomycetes; o__Agaricales
OTU_149	AT	2.64	0.00	模块中心点 Module hub	p__Ascomycota; c__Dothideomycetes; o__Dothideales; f__Aureobasidiaceae; g__Aureobasidium; s__Aureobasidium_pullulans
OTU_156	CART	2.79	0.41	模块中心点 Module hub	p__Ascomycota; c__Dothideomycetes; o__Dothideales; f__Aureobasidiaceae; g__Aureobasidium; s__Aureobasidium_pullulans
OTU_453	AT	4.03	0.00	模块中心点 Module hub	p__Ascomycota; c__Dothideomycetes; o__Pleosporales; f__Pleosporaceae; g__Neocamarosporium; s__unidentified
OTU_884	AT	2.59	0.00	模块中心点 Module hub	p__Ascomycota; c__Dothideomycetes; o__Pleosporales; f__Pleosporales_fam_Incertae_sedis; g__Phaeomycescentrospora; s__Phaeomycescentrospora_cantuariensis
OTU_923	CART	3.32	0.00	模块中心点 Module hub	p__Basidiomycota; c__Tremellomycetes; o__Cystofilobasidiales; f__Mrakiaceae; g__Udeniomyces; s__Udeniomyces_kanasensis
OTU_1234	RT	2.59	0.00	模块中心点 Module hub	p__Ascomycota

徐鹏, 荣晓莹, 刘朝红, 杜芳, 尹本丰, 陶冶, 张元明 (2022) 极端干旱对温带荒漠土壤真菌群落和生态网络的影响. 生物多样性, 30, 21327. <https://www.biodiversity-science.net/CN/10.17520/biods.2021327>

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OTU	Category	Within-module connectivity	性 Among-module connectivity	Role	Classification
OTU_3095	RT	2.56	0.00	模块中心点 Module hub	p__Ascomycota; c__Eurotiomycetes; o__Chaetothyriales; f__Herpotrichiellaceae; g__Exophiala
OTU_3249	RT	2.52	0.00	模块中心点 Module hub	p__Ascomycota
OTU_8411	RT	3.13	0.24	模块中心点 Module hub	p__Ascomycota; c__Dothideomycetes; o__Pleosporales; f__Pleosporaceae; g__Neocamarosporium; s__unidentified
OTU_2116	RT	0.24	0.63	连接节点 Connector	p__Ascomycota

AT, 丰富真菌; RT, 稀有真菌; MT, 中等丰度真菌; CART, 条件丰富和稀有真菌。

AT, Abundant fungi; RT, Rare fungi; MT, Moderate fungi; CART, Conditionally abundant and rare fungi.