

Supplemental Information

Title: Is the distribution of two rare *Orchis* sister species limited by their main mycobiont?

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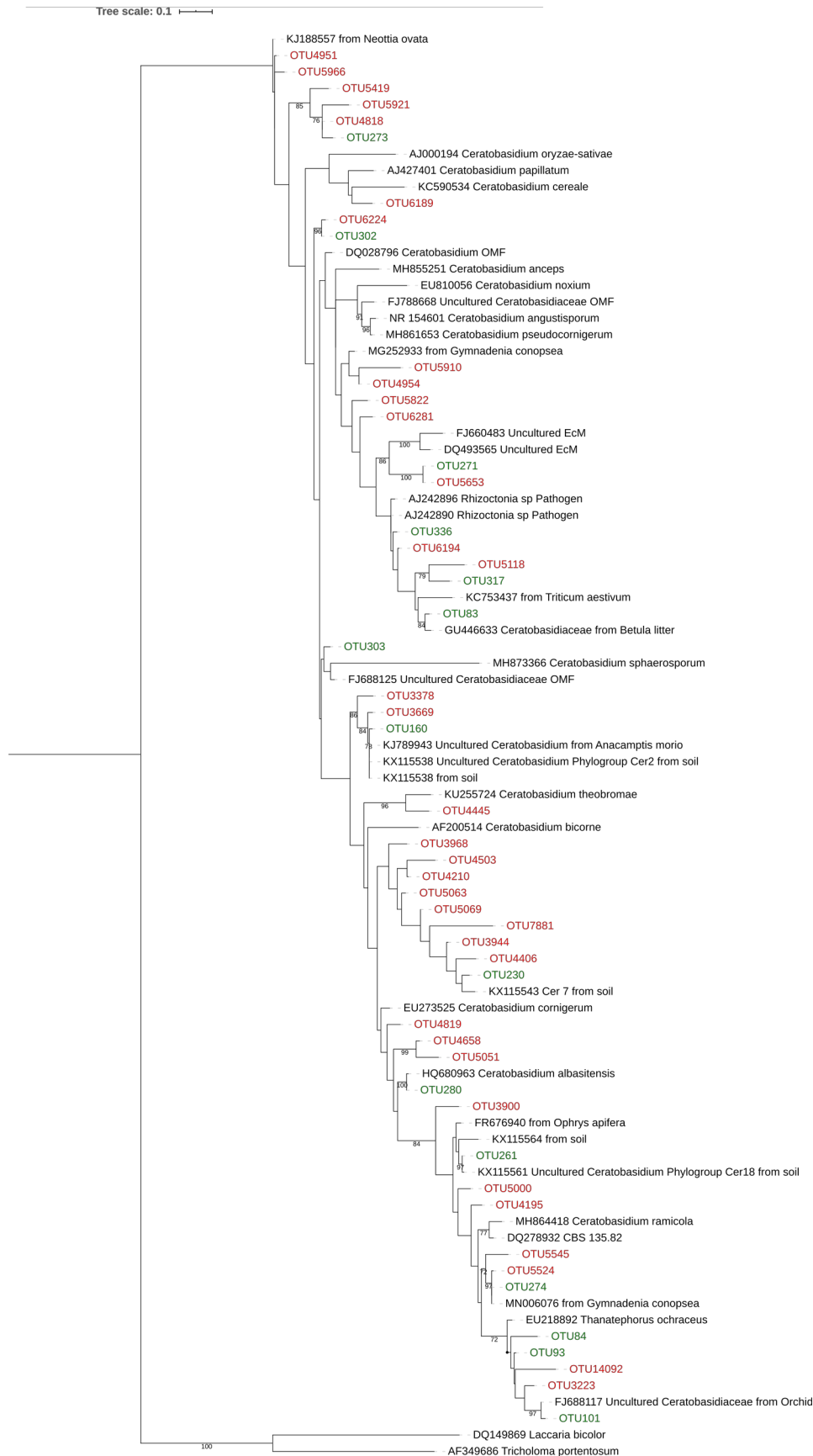
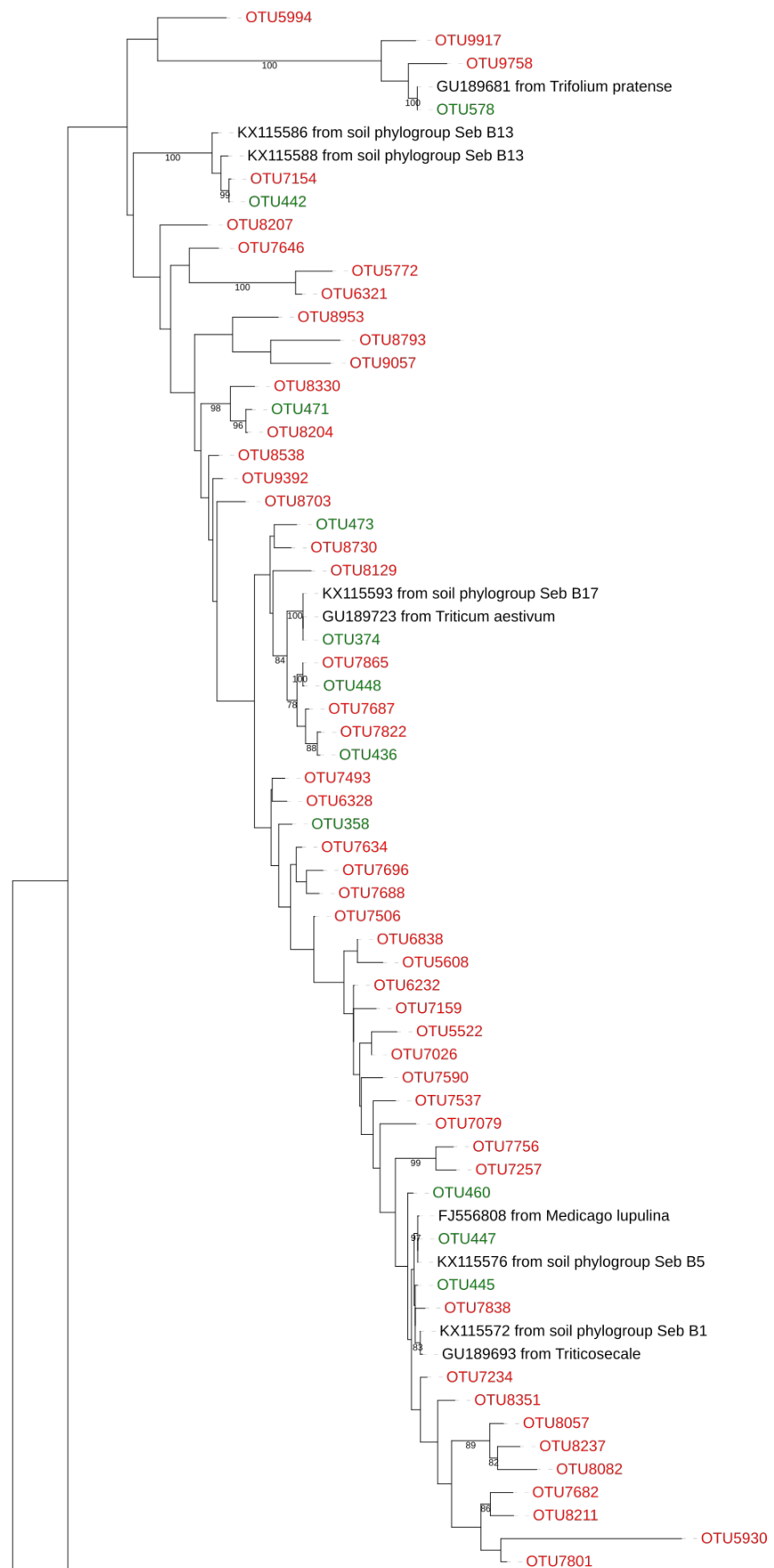


Figure S1. Maximum likelihood tree obtained from the ITS2 sequence alignment of ceratobasidioid fungi. *Tricholoma portentosum* and *Laccaria bicolor* were used as outgroup taxa. Bootstrap support values above 70% (1000 maximum likelihood replicates) are reported. OTUs found in soil samples are indicated in red while in green those from orchid roots analyzed in this study.

a)

Tree scale: 0.1



b)

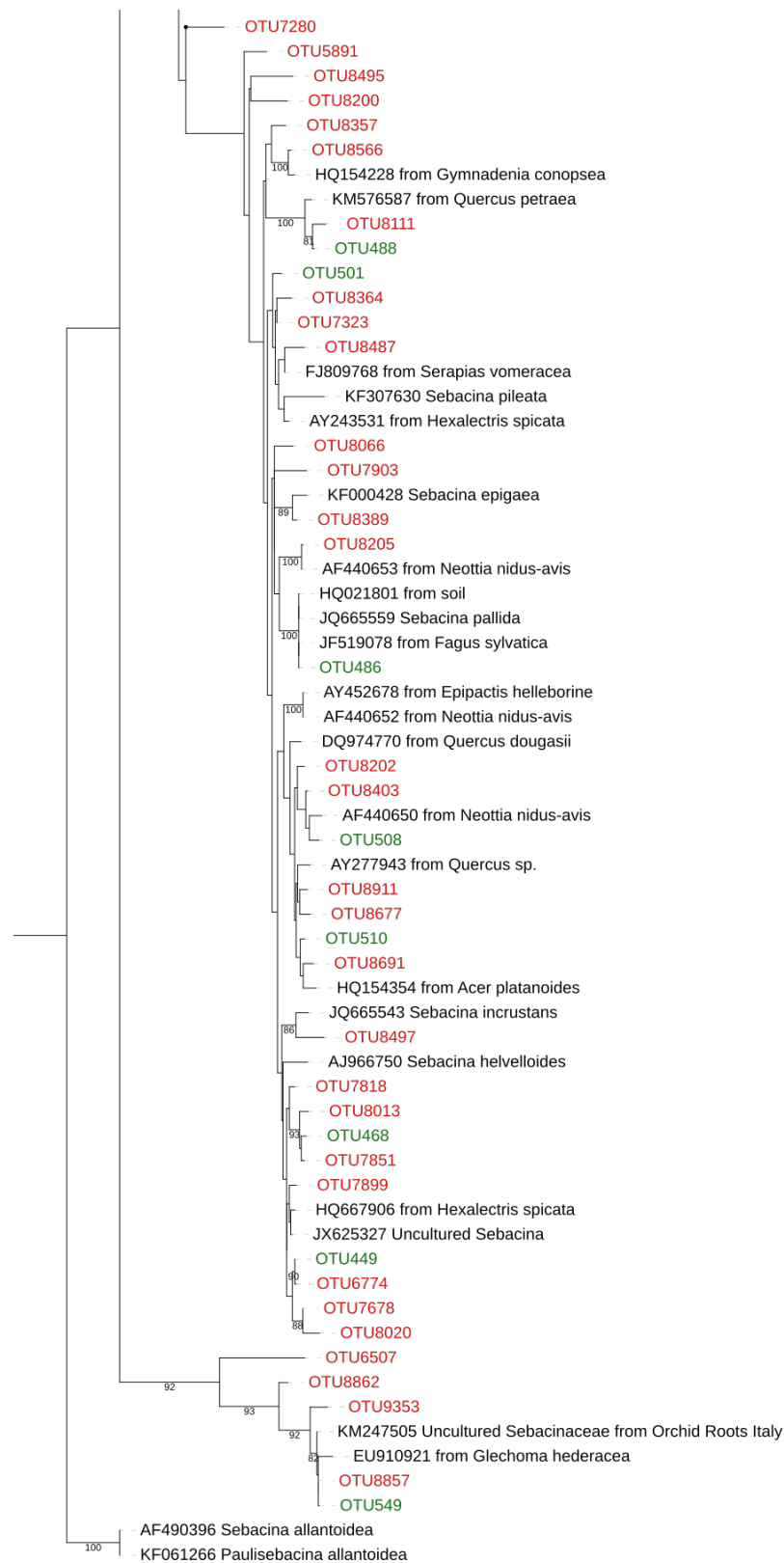


Figure S2. Maximum likelihood tree obtained from the ITS2 sequence alignment of fungi assigned to a) serendipitoid and b) sebacinoid (Sebacinales). *Paulisebacina allantoidea* was used as an outgroup taxon. Bootstrap support values above 70% (1000 maximum likelihood replicates) are reported. OTUs found in soil samples are indicated in red while in green those from orchid roots analyzed in this study