



Article

# Artificial Cultivation Changes Foliar Endophytic Fungal Community of the Ornamental Plant *Lirianthe delavayi*

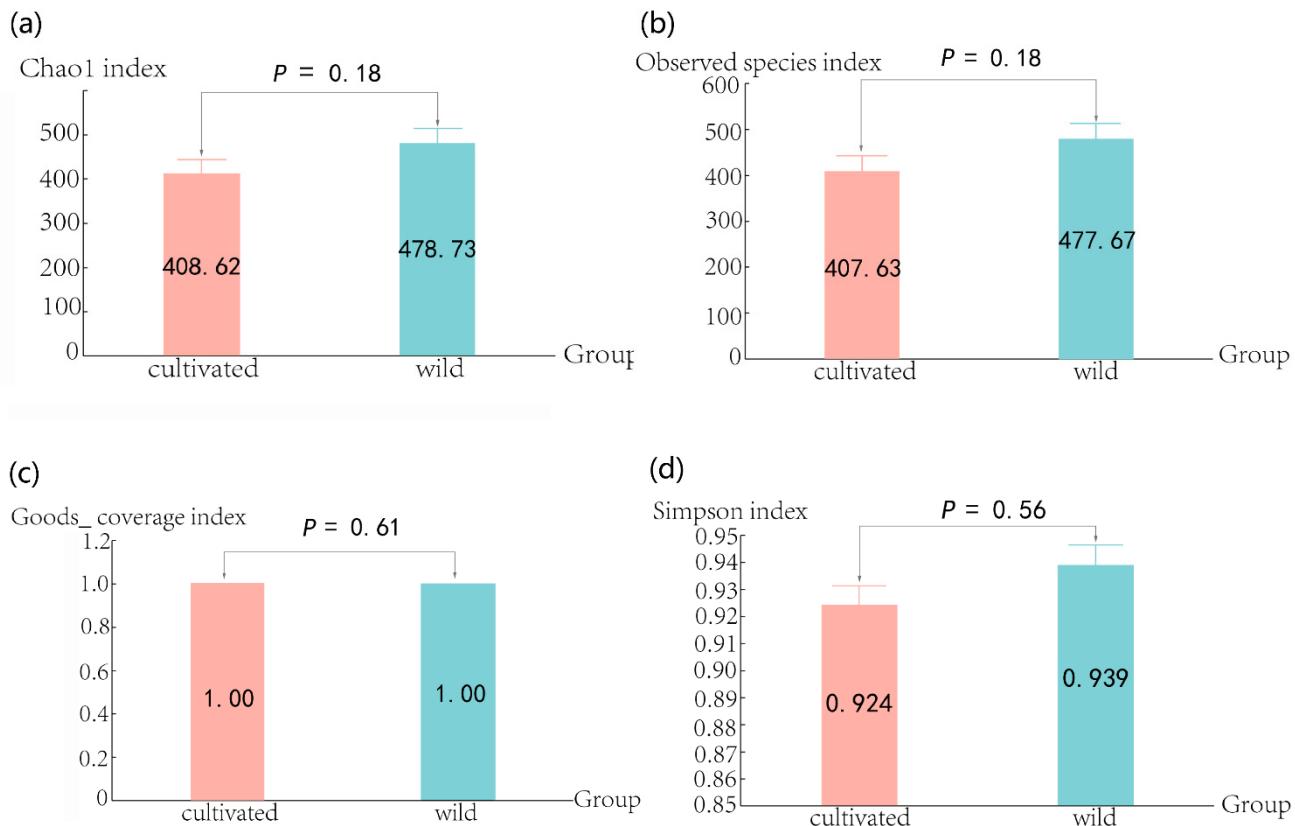
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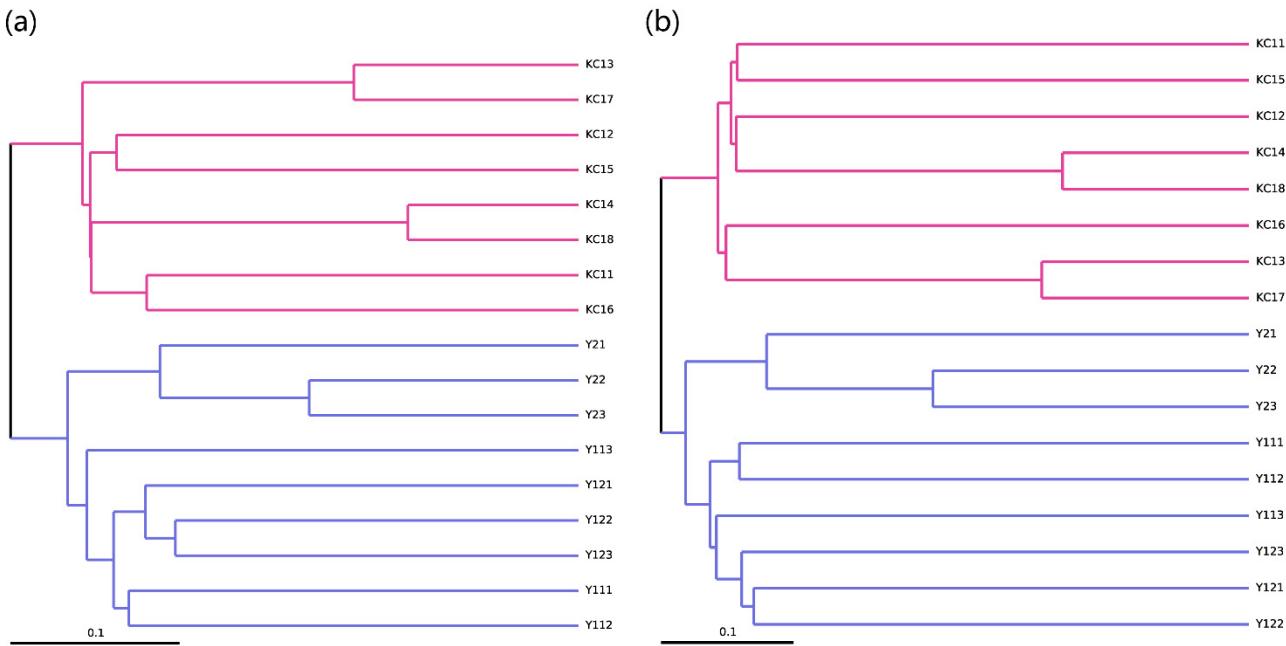
† These authors contributed equally to this work.

## Supplementary Material

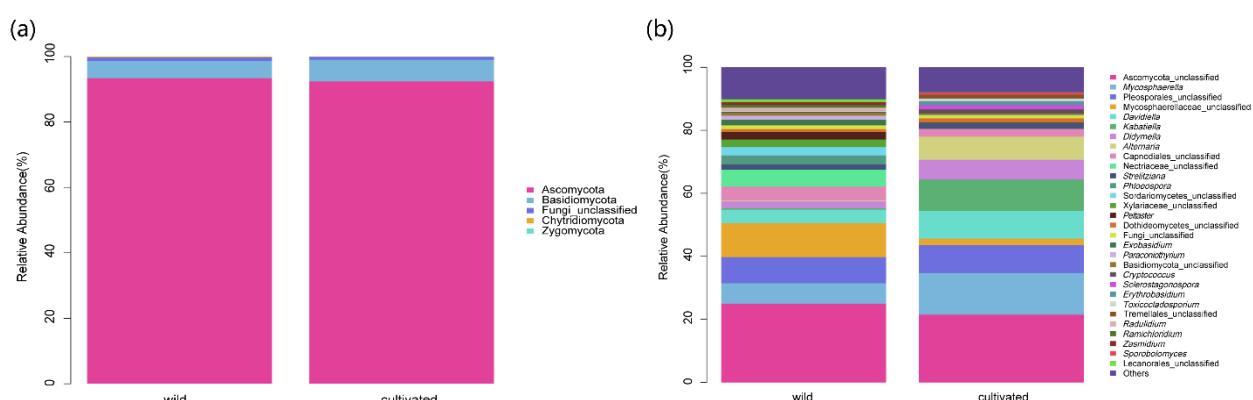
### Supplementary Figures



**Figure S1.** Alpha diversity analysis of endophytic fungi in wild and cultivated *L. delavayi* based on the Chao1 index (a), Observed species index (b), Goods\_coverage index (c) and Simpson index (d).



**Figure S2.** Cluster analysis of endophytic fungi from wild *L. delavayi* and cultivated *L. delavayi* based on the unweighted unifrac distance matrix (a) and jaccard distance matrix (b). Different colors of branches in the figure represent different groups. The cluster tree shows the similarity between samples and the shorter the branch length between samples, the more similar the two samples are. KC represents the leaves of cultivated *L. delavayi*, and Y represents the leaves of wild *L. delavayi*.



**Figure S3.** Column stacking diagrams of percentage of endophytic fungi abundance in leaves of wild and cultivated *L. delavayi* at phylum level (a) and genus level (b).

## Supplementary Tables

**Table S1.** Specific information of *L. delavayi* leaves collected from eleven sample plots in Kunming City, Yunnan Province.

Sample No.	Collection location	N°	E°	Altitude /m	Number of collected samples	Plant species distributed in the surrounding environment
Y111, Y112, Y113 (W)	Adong mountain beside S209 County Road, Majie Town, Yiliang County	25°14'12"	103°11'52"	1804	3	<i>Ageratina adenophora</i> , <i>Galinsoga parviflora</i> , <i>Pseudognaphalium affine</i> , <i>Asplenium trichomanes</i> , <i>Pteris cretica</i> L. var. <i>nervosa</i> , <i>Artemisia roxburghiana</i> , <i>Oxalis corniculate</i> , <i>Hypoestes trifloral</i> , <i>Hemiphragma heterophyllum</i> , <i>Clematis armandii</i> , <i>Eremochloa ciliaris</i> , <i>Ternstroemia gymnanthera</i> , <i>Hedychium spicatum</i> , <i>Forsythia viridissima</i> , <i>Jasminum grandiflorum</i> , <i>Metapanax delavayi</i> , <i>Hypericum monogynum</i> , <i>Michelia champaca</i> , <i>Dioscorea polystachya</i>
Y121, Y122, Y123 (W)	Adong mountain beside S209 County Road, Majie Town, Yiliang County	25°14'13"	103°11'50"	1794	3	
Y21, Y22, Y23 (W)	Beside S209 County Road, Majie Town, Yiliang County	25°12'35"	103°11'41"	1779	3	
KC11 (C)	Next to Gewu Building, Yun- nan University, Chenggong District, Kunming City	24°49'28"	102°51'4"	1975	1	
KC12 (C)	Next to Gewu Building, Yun- nan University, Chenggong District, Kunming City	24°49'28"	102°51'3"	1966	1	
KC13 (C)	Next to Gewu Building, Yun- nan University, Chenggong District, Kunming City	24°49'28"	102°51'3"	1971	1	<i>Celtis kunningensis</i> Cheng et Hong, <i>Euonymus japonicus</i> , <i>Duranta erecta</i>
KC14 (C)	Next to Gewu Building, Yun- nan University, Chenggong District, Kunming City	24°49'27"	102°51'3"	1955	1	<i>Loropetalum chinense</i> var. <i>rubrum</i> , <i>Rosmarinus officinalis</i> , <i>Ophiopogon ja- ponicus</i> , <i>Cuphea hookeriana</i> , <i>Hedera nepalensis</i> var. <i>sinensis</i> , <i>Hydrangea macrophylla</i> , <i>Rose</i>
KC15 (C)	Next to Gewu Building, Yun- nan University, Chenggong District, Kunming City	24°49'27"	102°51'2"	1948	1	
KC16 (C)	Next to Gewu Building, Yun- nan University, Chenggong District, Kunming City	24°49'27"	102°51'2"	1945	1	
KC17 (C)	Next to Gewu Building, Yun- nan University, Chenggong District, Kunming City	24°49'27"	102°51'2"	1944	1	
KC18 (C)	Next to Gewu Building, Yun- nan University, Chenggong District, Kunming City	24°49'27"	102°51'1"	1948	1	