Table S1. Collection details and GenBank accession numbers of *Leptosphaerulina* species included in this study

Species	Isolate[x]	Host	Country	GenBank accession[y]			Literature cited[z]
				ITS	LSU	*RPB2*	
Tree							
L. australis	CBS 317.83	*Eugenia aromatica*	Indonesia	GU237829	EU754166	GU371790	Aveskamp et al. (2010); De Gruyter et al. (2009)
L. australis	CBS 939.69	Soil	Netherlands	MH859488	MH871269	MT018273	Hou et al. (2020)
L. americana	CBS 213.55	*T. pratense*	USA	MH857452	MH868995	KT389641	Vu et al, (2019)
L. chartarum	CBS 329.86*	*Galenia procumbens*	South Africa	MN973604	MN943813	MT018277	Hou et al. (2020)
L. gaeumannii	CBS 311.51*	Poaceae	Switzerland	MN973601	MN943810	MT018274	Hou et al. (2020)
L. longiflori	MFLUCC 19-0148*	*Lilium longiflorum*	China	MK503800	MK503811	MK503805	Tennakoon et al. (2019)
L. macrospora	LC13570	*Poa pratensis*	China	MW090231	MW090673	MW092123	Liang et al. (2021)
L. macrospora	LC13571	*Poa pratensis*	China	MW090233	MW090674	MW092124	Liang et al. (2021)
L. obtusispora	CBS 569.94*	*Lonicera periclymenum*	The Netherlands	MN973602	MN943811	MT018275	Hou et al. (2020)
L. saccharicola	MFLUCC 11-0169*	*Saccharum officinarum*	Thailand	KF670717	KF670716	KF670714	Phookamsak et al. (2013)
L. saccharicola	LC13564	*Poa pratensis*	China	MW090234	MW090667	MW092117	Liang et al. (2021)
L. saccharicola	LC13565	*Poa pratensis*	China	MW090237	MW090668	MW092118	Liang et al. (2021)
L. trifolii	CBS 235.58	*Trifolium* sp.	The Netherlands	GU237806	GU237982	MT018271	Aveskamp et al. (2010); Hou et al. (2020);
L. trifolii	CBS 215.55	*T. repens*	USA	MH857454	MH868997	MT018269	Hou et al. (2020); Vu et al, (2019)
Root							
N. exitialis	CBS 389.86	*Triticum aestivum*	Switzerland	KT389515	KT389733	KT389648	Chen et al. (2015)

* Ex-type or holotype specimens are emphasized with an asterisk.

Table S2. List of primers used in this study.

Gene	Primer	Primer Sequence	Reference
ITS	ITS1	CTTGGTCATTTAGAGGAAGTAA	Gardes and Bruns. (1993)
	ITS4	TCCTCCGCTTATTGATATGC	White *et al*. (1990)
LSU	LSU1Fd	GRATCAGGTAGGRATACCCG	Crous *et al*. (2009)
	LR5	TCCTGAGGGAAACTTCG	Schoch *et al.* (2012)
RPB2	RPB2-5F2	GGGGWGAYCAGAAGAAGGC	Sung *et al*.，2007
	RPB2-7CR	CCCAT（A/G）GCTTG（T/C）TT（A/G）CCCAT	Liu *et al*.，1999

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