

Supplementary material S1 Gene and primers used in the phylogenetic analyses.

Gene (reference)	Primer	Sequence	PCR condition
<i>ITS</i>	ITS1	TCCGTAGGTGAACCTGCGG	(1) Initialization at for 3 min at 94°C.
	ITS4	TCCTCCGCTTATTGATATGC	(2) 40 cycles of denaturation at 94°C for
<i>nrSSU</i>	nrSSU-CoF	TCTCAAAGATTAAGCCATGC	45 s, annealing at 56 °C for 50 s, and extension at 72°C for 1 min.
	nrSSU-CoR	TCACCAACGGAGACCTTG	(3) Final elongation at 72°C for 10 min.
	LROR	ACCCGCTGAACTTAAGC	(4) Storage at 12°C (Gonalves et al, 2021).
<i>nrLSU</i>	LR5	TCCTGAGGGAAACTTCG	(1) Initialization at for 2 min at 94°C.
	RPB1Cr	CCNGCDATNTCRTTRTCCATRTA	(2) 10 cycles of denaturation at 94°C for 30 s, annealing at 64 °C for 1 min, and extension at 72°C for 1 min.
			(3) followed by 35 cycles of denaturation at 94°C for 30 s, annealing at 54 °C for 1 min, and extension at 72°C for 1 min.
<i>RPB1</i>	CRPB1A	CAYCCWGGYTTYATCAAGAA	(4) Final elongation at 72°C for 10 min.
			(5) Storage at 12°C.
	fRPB2-7cR	CCCATRGCTTGTYYRCCCAT	(1) Initialization at for 3 min at 95°C.
<i>RPB2</i>	fRPB2-5F	GAYGAYMGWGATCAYTTYGG	(2) 40 cycles of denaturation at 95°C for 1 min, annealing at 52 °C for 2 min, and extension at 72°C for 90 s.
			(3) Final elongation at 72°C for 10 min.
			(4) Storage at 12°C.