

Table S1. *Teratosphaeria* isolates and their sequences used for phylogenetic analyses

Isolate number ^a	<i>Teratosphaeria</i> species	Country	Genbank accession number		Source
			ITS	β -tubulin	
CBS111370 = CPC 1368	<i>T. destructans</i>	Indonesia	KF901574	KF903000	Quaedvlieg et al. (2014)
CMW17919	<i>T. destructans</i>	China	DQ632701	DQ632622	Andjic et al. (2007)
CMW44962	<i>T. destructans</i>	South Africa	RIBY00000000 ^b	RIBY00000000 ^b	Wingfield et al. (2018)
CMW45661	<i>T. destructans</i>	Indonesia	WBMM00000000 ^b	WBMM00000000 ^b	Havenga et al. (2020)
CBS119973 = CMW 23439	<i>T. epicoccoides</i>	Vietnam	KF901784	KF903055	Quaedvlieg et al. (2014)
CMW45681	<i>T. epicoccoides</i>	Indonesia	MT821230	MT820944	This study
CMW45690	<i>T. epicoccoides</i>	Indonesia	MT821231	MT820945	This study
CMW53049	<i>T. epicoccoides</i>	South Africa	MT821232	MT820946	This study
CPC12218	<i>T. epicoccoides</i>	Indonesia	KF901664	KF903054	Quaedvlieg et al. (2014)
CMW19461	<i>T. eucalypti</i>	New Zealand	FJ793232	EU101527	Andjic et al. (2010)
CMW19470	<i>T. eucalypti</i>	New Zealand	FJ793238	EU101533	Andjic et al. (2010)
CMW53992	<i>T. eucalypti</i>	Australia	MT821112	MT820941	This study
CMW53993	<i>T. eucalypti</i>	Australia	MT821113	MT820942	This study
CMW53996	<i>T. eucalypti</i>	Australia	MT821114	MT820943	This study
CBS116005 = CMW 3282 = CPC937	<i>T. nubilosa</i>	Australia	KF901686	KF903033	Quaedvlieg et al. (2014)
CMW3282	<i>T. nubilosa</i>	Australia	MT821111	MT820940	This study
CPC11879	<i>T. nubilosa</i>	Portugal	KF901694	KF903034	Quaedvlieg et al. (2014)
CMW49159	<i>T. pseudoecalypti</i>	Uruguay	MT821099	MT820934	This study
CMW49161	<i>T. pseudoecalypti</i>	Uruguay	MT821100	MT820935	This study
CMW51515	<i>T. pseudoecalypti</i>	Australia	MT821101	MT820936	This study
MUCC613	<i>T. pseudoecalypti</i>	Australia	FJ793229	EU101554	Andjic et al. (2010)
CBS124577 = MUCC 607	<i>T. pseudoecalypti</i>	Australia	NR137817	KF252757	Quaedvlieg et al. (2014)

Havenga et al. Diagnostic markers for *Teratosphaeria destructans* and closely related species

Isolate number ^a	<i>Teratosphaeria</i> species	Country	Genbank accession number		Source
			ITS	β -tubulin	
CBS121156	<i>T. viscidus</i>	Australia	KT972309	KT972341	Andjic et al. (2007)
CBS124992 = CPC 13306	<i>T. viscidus</i>	Australia	KF901602	KF903063	Quaedvlieg et al. (2014)
CMW51323	<i>T. viscidus</i>		MT821077	MT820937	This study
CMW51324	<i>T. viscidus</i>		MT821078	MT820938	This study
CMW51325	<i>T. viscidus</i>		MT821079	MT820939	This study
CBS121101 = CPC 13302	<i>Zasmidium eucalypti</i>	Australia	KF901606	KF903083	Quaedvlieg et al. (2014)

^a CBS: CBS Fungal Biodiversity Centre, Centraalbureau voor Schimmelcultures, Utrecht, The Netherlands; CMW: Culture collection of the Forestry and Agricultural Biotechnology Institute (FABI) of the University of Pretoria, Pretoria, South Africa; CPC - Collection Pedro Crous, housed at CBS; MUCC: Murdoch University Culture Collection, Murdoch, Australia.

^b Genbank accession numbers for the whole genome sequences