

### Phylogenetic analysis of *Teratosphaeria destructans* isolates obtained from Malaysia

Maximum likelihood phylogenetic analyses were conducted using concatenated sequences of the ribosomal RNA Internal Transcribed Spacer gene (ITS), partial  $\beta$ -tubulin gene (TUB) and elongation factor 1-alpha gene (EF-1 $\alpha$ ) regions. Genbank accession numbers of sequences used in this phylogeny are presented in a table on the next page. Bootstrap support values were calculated from 1000 replicates and clades with bootstrap support values of  $\geq 70\%$  were considered significant (Hillis & Bull, 1993).

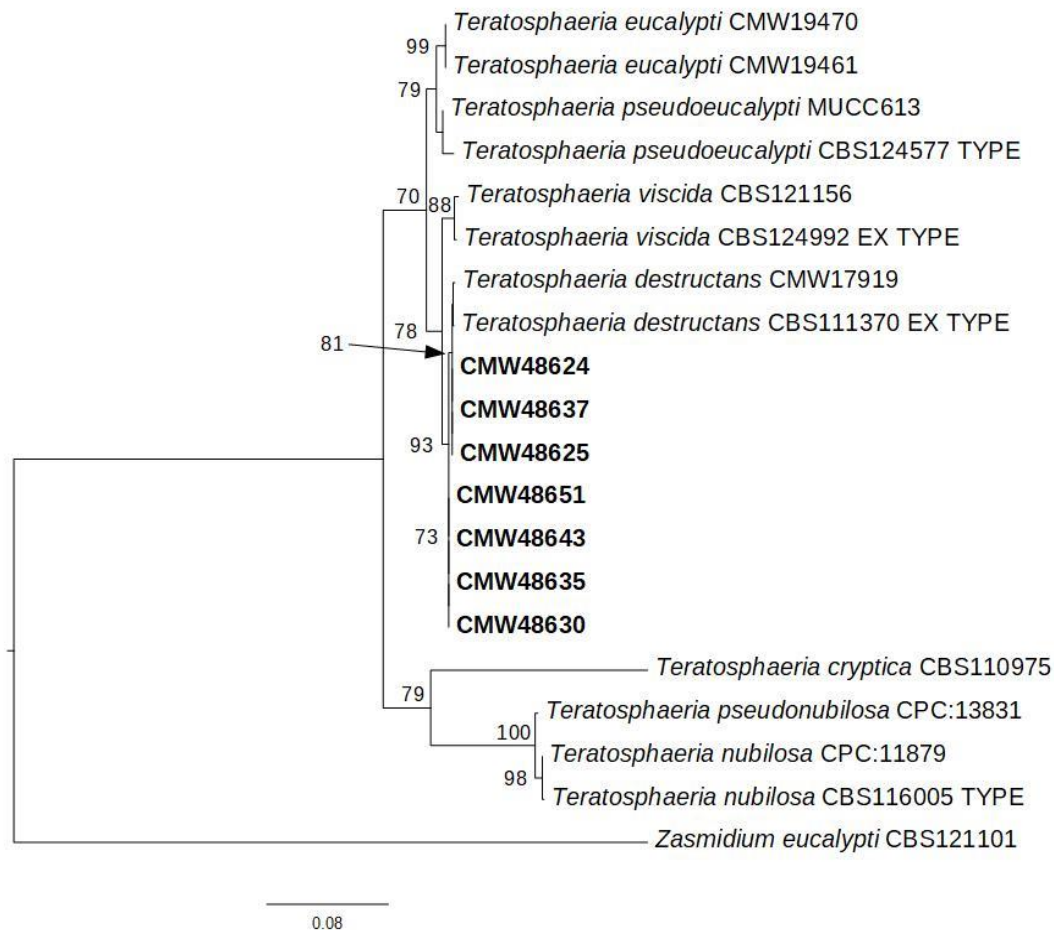


FIGURE S1. Maximum likelihood phylogenetic tree of *Teratosphaeria* species, based on concatenated ITS,  $\beta$ -tubulin and EF-1 $\alpha$  sequence data. Bootstrap support of  $\geq 70\%$  is shown. Outgroup = *Zasmidium eucalypti*. Isolates from Malaysia sequenced in this study are indicated in bold.

TABLE. *Teratosphaeria* isolates and their sequences used for phylogenetic analyses

Species	Strain number	Host	Location	Genbank Accession Number			Source
				ITS	EF	$\beta$ -tubulin	
<i>Teratosphaeria cryptica</i>	CBS110975	<i>Eucalyptus globulus</i>	Victoria, Australia	KF901573	KF902998	KF903299	Quaedvlieg et al. (2014)
<i>Teratosphaeria destructans</i>	CBS111370	<i>Eucalyptus grandis</i>	Indonesia	KF901574	KF903301	KF903000	Quaedvlieg et al. (2014)
<i>Teratosphaeria destructans</i>	CMW17919	<i>Eucalyptus urophylla</i>	China	DQ632701	DQ632729	DQ632622	Andjic, Hardy, Cortinas, Wingfield, and Burgess (2007)
<i>Teratosphaeria destructans</i>	CMW48624	<i>Eucalyptus grandis</i> x <i>E. urophylla</i>	Sipitang, Malaysia	MT542483	MT542476	MT542469	This study
<i>Teratosphaeria destructans</i>	CMW48625	<i>Eucalyptus grandis</i> x <i>E. urophylla</i>	Sipitang, Malaysia	MT542484	MT542477	MT542470	This study
<i>Teratosphaeria destructans</i>	CMW48630	<i>Eucalyptus grandis</i> x <i>E. urophylla</i>	Sipitang, Malaysia	MT542485	MT542478	MT542471	This study
<i>Teratosphaeria destructans</i>	CMW48635	<i>Eucalyptus grandis</i> x <i>E. urophylla</i>	Sipitang, Malaysia	MT542486	MT542479	MT542472	This study
<i>Teratosphaeria destructans</i>	CMW48637	<i>Eucalyptus grandis</i> x <i>E. urophylla</i>	Sipitang, Malaysia	MT542487	MT542480	MT542473	This study
<i>Teratosphaeria destructans</i>	CMW48643	<i>Eucalyptus grandis</i> x <i>E. urophylla</i>	Sipitang, Malaysia	MT542488	MT542481	MT542474	This study
<i>Teratosphaeria destructans</i>	CMW48651	<i>Eucalyptus grandis</i> x <i>E. urophylla</i>	Sipitang, Malaysia	MT542489	MT542482	MT542475	This study
<i>Teratosphaeria eucalypti</i>	CMW19461	<i>Eucalyptus nitens</i>	New Zealand	FJ793232	EU101583	EU101527	Andjic et al. (2010)
<i>Teratosphaeria eucalypti</i>	CMW19470	<i>Eucalyptus nitens</i>	New Zealand	FJ793238	EU101589	EU101533	Andjic et al. (2010)
<i>Teratosphaeria nubilosa</i>	CBS116005	<i>Eucalyptus globulus</i>	Australia, Victoria	KF901686	KF903336	KF903033	Quaedvlieg et al. (2014)
<i>Teratosphaeria nubilosa</i>	CPC11879	<i>Eucalyptus</i> sp.	Portugal	KF901694	KF903337	KF903034	Quaedvlieg et al. (2014)
<i>Teratosphaeria pseudoecalypti</i>	MUCC613	<i>Eucalyptus</i> sp.	Australia	FJ793229	EU101611	EU101554	Andjic et al. (2010)
<i>Teratosphaeria pseudoecalypti</i>	CBS124577	<i>Eucalyptus grandis</i> x <i>E. camaldulensis</i>	Australia, Queensland	NR137817	KF903349	KF252757	Quaedvlieg et al. (2014)
<i>Teratosphaeria pseudonubilosa</i>	CPC13831	<i>Eucalyptus globulus</i>	Australia	KF901594	KF903350	KF903047	Quaedvlieg et al. (2014)
<i>Teratosphaeria viscidus</i>	CBS121156	<i>Eucalyptus grandis</i>	Australia	KT972309	KT972373	KT972341	Andjic, Maxwell, Hardy, and Burgess (2016)
<i>Teratosphaeria viscidus</i>	CBS124992	<i>Eucalyptus</i> sp.	Australia, Queensland	KF901602	KF903366	KF903063	Quaedvlieg et al. (2014)
<i>Zasmidium eucalypti</i>	CBS121101	<i>Eucalyptus tereticornis</i>	Australia, Queensland	KF901606	KF903389	KF903083	Quaedvlieg et al. (2014)