

Supplementary Table 1. Ophiostomatoid strains and GenBank accession numbers of ITS sequences used for the phylogenetic analysis
(*Sprorothrix* ITS data set)

Species	Isolate/Strain number	ITS	Substrate	Country of origin	References
<i>Graphilbum rectangulosporium</i>	TFM:FPH 7756	AB242825	<i>Abies</i> sp.	Japan	Ohtaka et al. 2006
<i>Ophiostoma adjuncti</i>	CMW135	AY546696	<i>Pinus ponderosa</i>	USA	Zhou et al. 2004
<i>O. bicolor</i>	CBS492.7	DQ268604	<i>Ips perturbatus</i>	Canada	Massoumi Alamouti et al. 2007
<i>O. canum</i>	CBS133.51	HM031489	<i>Pinus sylvestris</i>	Sweden	Linnakoski et al. 2010
<i>O. floccosum</i>	C1086	AF198231	Unknown	Sweden	Harrington et al. 2001
<i>O. himal-ulmi</i>	C1183	AF198233	<i>Ulmus</i> sp.	India	Harrington et al. 2001
<i>O. ips</i>	CMW7075	AY546704	<i>Ips integer</i>	USA	Zhou et al. 2004
<i>O. longiconidiatum</i>	CMW17574	EF408558	<i>Terminalia sericea</i>	South Africa	Kamgan et al. 2008
<i>O. minus</i>	AU58.4	AF234834	<i>Pinus</i> sp.	Canada	Gorton et al. 2001 (unpublished)
	CCMA12	AY934511	<i>Pinus nigra</i>	Spain	Villarreal et al. 2005
<i>O. multiannulatum</i>	MUCL19062	AY934512	<i>Pinus</i> sp.	USA	Villarreal et al. 2005
<i>O. novoulmi</i> ssp. <i>americana</i>	C510	AF198236	<i>Ulmus</i> sp.	USA	Harrington et al. 2001
<i>O. novoulmi</i> ssp. <i>novoulmi</i>	C1185	AF198235	<i>Ulmus</i> sp.	Russia	Harrington et al. 2001
<i>O. piceae</i>	C1087	AF198226	Unknown	Germany	Harrington et al. 2001
<i>O. piliferum</i>	CBS129.32	AF221070	<i>Pinus sylvestris</i>	United Kingdom	Schroeder et al. 2001
<i>O. pluriannulatum</i>	MUCL18372	AY934517	Conifer	USA	Villarreal et al. 2005
<i>O. pulvinisporum</i>	CMW9022	AY546714	<i>Pinus pseudostrobus</i>	Mexico	Zhou et al. 2004
<i>O. quercus</i>	CMW2467	AY466626	<i>Quercus</i> sp.	France	Zhou et al. 2006
<i>O. setosum</i>	AU160-38	AF128929	<i>Tsuga heterophylla</i>	North America	Uzunovic et al. 2000
<i>O. subannulatum</i>	CBS188.86	AY934522	<i>Pinus</i> sp.	Unknown	Villarreal et al. 2005
<i>O. tsotsi</i>	CMW15239	FJ441287	<i>Ulmus</i> sp.	Netherlands	Grobbelaar et al. 2010
<i>O. ulmi</i>	C1182	AF198232	<i>Ulmus</i> sp.	Netherlands	Harrington et al. 2001
<i>O. undulatum</i>	CMW19396	GU797218	<i>Eucalyptus grandis</i>	Australia	Kamgan Nkuekam et al. 2011
<i>Sporothrix abietina</i>	CBS125.89	AF484453	<i>Abies vejari</i>	Mexico	De Beer et al. 2003
<i>S. aemulophila</i>	CMW40381	KT193603	<i>Rapanea melanophloeos</i>	South Africa	Musvuugwa et al. 2015
<i>S. africanum</i>	CMW1104	DQ316200	<i>Protea caffra</i>	South Africa	Roets et al. 2006
<i>S. aurorae</i>	CMW19362	DQ396796	<i>Pinus elliotii</i>	South Africa	Zhou et al. 2006
<i>S. bragantina</i>	CBS 474.91	FN546965	Forest soil	Brazil	Madrid et al. 2010
<i>S. cabralli</i>	CIEFAP456	KT362256	<i>Nothofagus</i> sp.	Patagonia	De Errasti et al. 2016
<i>S. candida</i>	CMW26484	HM051409	<i>Eucalyptus cloezina</i>	South Africa	Kamgan Nkuekam et al. 2012
<i>S. dentifunda</i>	CMW13016	AY495434	<i>Quercus</i> wood	Hungary	Aghayeva et al. 2005
<i>S. dimorphospora</i>	CMW12529	AY495428	Soil	Canada	Aghayeva et al. 2005
<i>S. fusiformis</i>	CMW9968	AY280481	<i>Populus nigra</i>	Azerbaijan	Aghayeva et al. 2004
<i>S. gemella</i>	CMW23057	DQ821560	<i>Protea caffra</i>	South Africa	Roets et al. 2006
<i>S. humicola</i>	CMW7618	AF484472	Soil	South Africa	De Beer et al. 2003
<i>S. inflata</i>	CMW12527	AY495426	Wheat-field soil	Germany	Aghayeva et al. 2005

<i>S. itsvo</i>	TM-2016a	KU595582	<i>Rapanea melanophloeos</i>	South Africa	Musvuugwa et al. 2016
<i>S. lunata</i>	CMW10563	AY280485	<i>Larix decidua</i>	Austria	Aghayeva et al. 2004
<i>S. luriei</i>	KMU2787	AB128012	Clinical	South Africa	Kawasaki et al. 2005 (unpublished)
<i>S. narcissi</i>	CBS138.50	AY194510	<i>Narcissus</i> sp.	Netherlands	Jacobs et al. 2003
<i>S. pallida</i>	CMW40330	KT192606	<i>Olea capensis</i> ssp. <i>macrocarpa</i>	South Africa	Musvuugwa et al. 2015;
	CMW40331	KT192605	<i>O. capensis</i> ssp. <i>macrocarpa</i>	South Africa	De Meyer et al. 2008
	CMW40332	KT192604	<i>O. capensis</i> ssp. <i>macrocarpa</i>	South Africa	
	CBS131.56	EF127880	<i>Stermonitis fusca</i>	Japan	
<i>S. palmiculminata</i>	CMW20677	DQ316191	<i>Protea repens</i>	South Africa	Roets et al. 2006
<i>S. phasma</i>	CMW20676	DQ316219	<i>P. neriifolia</i>	South Africa	Roets et al. 2006
<i>S. protearum</i>	CMW1103	DQ316203	<i>P. caffra</i>	South Africa	Roets et al. 2006
<i>S. proteasedis</i>	CMW28601	EU660449	<i>Protea</i> sp.	South Africa	Roets et al. 2009
<i>S. rapaneae</i>	CMW40368	KU595581	<i>Rapanea melanophloeos</i>	South Africa	Musvuugwa et al. 2016
	CMW40369	KU595583	<i>R. melanophloeos</i>	South Africa	
<i>S. schenckii</i>	CMW7614	AY280495	Human	South Africa	Aghayeva et al. 2004
<i>S. splendens</i>	CMW20675	DQ316205	<i>Protea repens</i>	South Africa	Roets et al. 2006
<i>S. stenoceras</i>	CBS237.32	AF484462	Pine pulp	Norway	De Beer et al. 2003; Musvuugwa et al. 2016; Aghayeva et al. 2004
	CMW40373	KU595579	<i>Rapanea melanophloeos</i>	South Africa	
	CMW40372	KU595580	<i>R. melanophloeos</i>	South Africa	
<i>S. stylites</i>	CMW14543	EF127883	Pine utility pole	South Africa	De Meyer et al. 2008
<i>S. uta</i>	CMW40318	KU595576	<i>Rapanea melanophloeos</i>	South Africa	Musvuugwa et al. 2016
	CMW40316	KU595577	<i>R. melanophloeos</i>	South Africa	
	CMW40317	KU595578	<i>R. melanophloeos</i>	South Africa	
<i>S. variecibatus</i>	CMW23051	DQ821568	<i>Protea longifolia</i>	South Africa	Roets et al. 2008
<i>S. zambiensis</i>	CMW28604	EU660453	<i>P. caffra</i>	Zambia	Roets et al. 2009

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