

Table S1. GenBank accession numbers of strains used to identify *Ectophoma* strain in the phylogenetic analyses.

Species	Strain number	GenBank accession numbers			
		ITS	LSU	<i>tub2</i>	<i>rpb2</i>
<i>Allocucurbitaria botulispora</i> CBS 142452	CBS 142452	LT592932	LN907416	LT593001	LT593070
<i>Allophoma cylindrispora</i> CBS 142453	CBS 142453	LT592920	LN907376	LT592989	LT593058
<i>A. minor</i> CBS 325.82	CBS 325.82	GU237831	GU238107	GU237632	KT389553
<i>A. nicaraguensis</i> CBS 506.91	CBS 506.91	GU237876	GU238058	GU237596	KT389551
<i>A. oligotrophica</i> CBS 497.91	CBS 497.91	KY742040	KY742194	KY742282	KY742128
<i>A. piperis</i> CBS 268.93	CBS 268.93	GU237816	GU238129	GU237644	KT389554
<i>A. tropica</i> CBS 436.7	CBS 436.7	GU237864	GU238149	GU237663	KT389556
<i>Alternariaster bidentis</i> CBS 134021	CBS 134021	KC609333	KC609341	/	KC609347
<i>Briansuttonomyces eucalypti</i> CBS 114879	CBS 114879	KU728479	KU728519	KU728595	/
<i>Calophoma clematidina</i> CBS 108.79	CBS 108.79	FJ426989	FJ515632	FJ427100	KT389588
<i>C. clematidis-rectae</i> CBS 507.63	CBS 507.63	FJ515606	FJ515647	FJ515624	KT389589
<i>C. rosae</i> CGMCC 3.18347	CGMCC 3.18347	KY742049	KY742203	KY742291	KY742135
<i>Camarosporidiella aborescentis</i> MFLUCC 14-0604	MFLUCC 14-0604	KP711377	KP711378	/	/
<i>Camarosporidiella aborescentis</i> MFLUCC 14-0238	MFLUCC 14-0238	KP120926	KP120927	/	/
<i>C. aureum</i> MFLUCC 14-0620	MFLUCC 14-0620	KP744436	KP744478	/	/
<i>C. clematidis</i> MFLUCC 13-0336	MFLUCC 13-0336	KJ562213	KJ562188	/	/
<i>Camarosporium quaternatum</i> CBS 142616	CBS 142616	KY929171	KY929136	/	/
<i>Camarosporomyces flavigenus</i> CBS 314.80	CBS 314.80	KY929138	GU238076	/	/
<i>Cucurbitaria berberidis</i> CBS 130007	CBS 130007	LT717673	KC506793	LT717676	LT854936
<i>Cumuliphoma indica</i> CBS 654.77	CBS 654.77	FJ427043	GU238122	FJ427153	LT623261
<i>C. omnivirens</i> CBS 341.86	CBS 341.86	FJ427042	LT623214	FJ427152	LT623260
<i>C. pneumoniae</i> CBS 142454	CBS 142454	LT592925	LN907392	LT592994	/
<i>Didymella aerea</i> CGMCC 3.18353	CGMCC 3.18353	KY742051	KY742205	KY742137	KY742293
<i>D. aquatica</i> CGMCC 3.18349	CGMCC 3.18349	KY742055	KY742209	KY742297	KY742140
<i>D. arachidicola</i> CBS 333.75	CBS 333.75	GU237833	GU237996	GU237554	KT389598
<i>D. aurea</i> CBS 269.93	CBS 269.93	GU237818	GU237999	GU237557	KT389599
<i>D. boeremae</i> CBS 109942	CBS 109942	FJ426982	GU238048	FJ427097	KT389600
<i>D. brunneospora</i> CBS 115.58	CBS 115.58	KT389505	KT389723	KT389802	KT389625
<i>D. chloroguttulata</i> CGMCC 3.18351	CGMCC 3.18351	KY742057	KY742211	KY742299	KY742142
<i>D. coffeae-arabicae</i> CBS 123380	CBS 123380	FJ426993	GU238005	FJ427104	KT389603
<i>D. ellipsoidea</i> CGMCC 3.18350	CGMCC 3.18350	KY742060	KY742214	KY742302	KY742145
<i>D. exigua</i> CBS 183.55	CBS 183.55	GU237794	EU754155	GU237525	EU874850
<i>D. gardeniae</i> CBS 626.68	CBS 626.68	FJ427003	GQ387595	FJ427114	KT389606
<i>D. glomerata</i> CBS 528.66	CBS 528.66	FJ427013	JX681105	FJ427124	GU371781

<i>D. heteroderae</i> CBS 109.92	CBS 109.92	FJ426983	GU238002	FJ427098	KT389601
<i>D. ilicicola</i> CGMCC 3.18355	CGMCC 3.18355	KY742065	KY742219	KY742307	KY742150
<i>D. infuscatipora</i> CGMCC 3.18356	CGMCC 3.18356	KY742067	KY742221	KY742309	/
<i>D. keratinophila</i> CBS 143032	CBS 143032	LT592901	LN907343	LT592970	LT593039
<i>D. macrophylla</i> CGMCC 3.18357	CGMCC 3.18357	KY742070	KY742224	KY742312	KY742154
<i>D. maydis</i> CBS 588.69	CBS 588.69	FJ427086	EU754192	FJ427190	GU371782
<i>D. microchlamydospora</i> CBS 105.95	CBS 105.95	FJ427028	GU238104	FJ427138	KP330424
<i>D. ocimicola</i> CGMCC 3.18358	CGMCC 3.18358	KY742078	KY742232	KY742320	/
<i>D. pedeiae</i> CBS 124517	CBS 124517	GU237770	GU238127	GU237642	/
<i>D. pinodes</i> CBS 525.77	CBS 525.77	GU237883	GU238023	GU237572	KT389614
<i>D. pomorum</i> CBS 285.76	CBS 285.76	FJ427053	GU238025	FJ427163	KT389615
<i>D. protuberans</i> CBS 381.96	CBS 381.96	GU237853	GU238029	GU237574	KT389620
<i>D. rumicicola</i> CBS 683.79	CBS 683.79	KT389503	KT389721	KT389800	KT389622
<i>D. sancta</i> CBS 281.83	CBS 281.83	FJ427063	GU238030	FJ427170	KT389623
<i>D. segeticola</i> CGMCC 3.17489	CGMCC 3.17489	KP330443	KP330455	KP330399	KP330414
<i>D. suiyangensis</i> CGMCC 3.18352	CGMCC 3.18352	KY742089	KY742243	KY742330	KY742168
<i>Dothidotthia symphoricarpi</i> CBS 119687	CBS 119687	/	EU673273	/	/
<i>Ectophoma multirostrata</i> CBS 274.60	CBS 274.60	FJ427031	GU238111	FJ427141	LT623265
<i>E. pomi</i> CBS 267.92	CBS 267.92	GU237814	GU238128	GU237643	LT623263
<i>Epicoccum brasiliense</i> CBS 120105	CBS 120105	GU237760	GU238049	GU237588	KT389627
<i>Epicoccum camelliae</i> CGMCC 3.18343	CGMCC 3.18343	GU237760	GU238049	GU237588	KY742170
<i>E. catenisporum</i> CBS 181.80	CBS 181.80	FJ427069	LT623213	FJ427175	LT623253
<i>E. dendrobii</i> CGMCC 3.18359	CGMCC 3.18359	KY742093	KY742247	KY742335	/
<i>E. duchesneae</i> CGMCC 3.18345	CGMCC 3.18345	KY742095	KY742249	KY742337	/
<i>E. hordei</i>	CGMCC 3.18360	KY742097	KY742251	KY742339	
<i>E. huancayense</i>	CBS 105.80	GU237732	GU238084	GU237615	KT389630
<i>E. italicum</i>	CGMCC 3.18361	KY742099	KY742253	KY742341	KY742172
<i>E. keratinophilum</i>	CBS 142455	LT592930	LN907414	LT592999	LT593068
<i>E. latusicollum</i>	CGMCC 3.18346	KY742101	KY742255	KY742343	KY742174
<i>E. layuense</i>	CGMCC 3.18362	KY742107	KY742261	KY742349	/
<i>E. nigrum</i>	CBS 173.73	FJ426996	GU237975	FJ427107	KT389632
<i>E. ovisporum</i>	CBS 180.80	FJ427068	LT623212	FJ427174	LT623252
<i>E. plurivorum</i>	CBS 558.81	GU237888	GU238132	GU237647	KT389634
<i>E. pneumoniae</i>	UTHSC:DI16-257; FMR 13747	LT592927	LN907400	LT592996	LT593065
<i>E. poae</i>	CGMCC 3.18363	KY742113	KY742267	KY742355	KY742182
<i>E. proteae</i>	CBS 114179	JQ044433	JQ044452	LT623230	LT623251
<i>E. viticis</i>	CGMCC 3.18344	KY742118	KY742272	KY742360	KY742186
<i>Heterophoma verbascicola</i>	CGMCC 3.18364	KY742119	KY742273	KY742361	KY742187
<i>Leptosphaeria doliolum</i>	CBS 505.75	JF740205	GQ387576	JF740144	KT389640
<i>Libertasomyces myopor</i>	CBS 141302	NR_145200	KX228332	/	/
<i>L. platani</i>	CBS 142112	KY173416	KY173507	KY173604	KY173585

<i>Libertasomyces quercus</i>	CBS 134.97	/	DQ377883	/	/
<i>Macroventuria anomochaeta</i>	CBS 525.71	GU237881	GU237984	GU237544	GU456346
<i>M. wentii</i>	CBS 526.71	GU237884	GU237986	GU237546	KT389642
<i>Neosascochyta argentina</i>	CBS 112524	KT389524	KT389742	KT389822	
<i>N. cylindrispora</i>	CBS 142456	LT592963	LN907502	LT593032	LT593102
<i>N. desmazieri</i>	CBS 297.69	KT389508	KT389726	KT389807	kt389644
<i>N. europaea</i>	CBS 820.84	KT389511	KT389729	KT389809	KT389646
<i>N. paspali</i>	CBS 560.81	FJ427048	GU238124	FJ427158	KP330426
<i>N. soli</i>	CGMCC 3.18365	KY742121	KY742275	KY742363	/
<i>N. tardicrescens</i>	CBS 689.97	KT389526	KT389744	KT389824	KT389654
<i>N. trititicola</i>	CBS 544.74	GU237887	EU754134	GU237488	KT389652
<i>Neocamarosporium goegapense</i>	CBS 138008	KJ869163	KJ869220	/	/
<i>Neocucurbitaria aquatica</i>	CBS 297.74	LT623221	EU754177	LT623238	LT623278
<i>N. cava</i>	CBS 257.68	JF740260	EU754199	KT389844	LT717681
<i>N. hakeae</i>	CBS 142109	KY173436	KY173526	KY173613	KY173593
<i>N. irregularis</i>	CBS 142791	LT592916	LN907372	LT592985	LT593054
<i>N. keratinophila</i>	CBS 121759	EU885415	LT623215	LT623236	LT623275
<i>N. quercina</i>	CBS 115095	LT623220	GQ387619	LT623237	LT623277
<i>Neodidymelliopsis achlydis</i>	CBS 256 77	KT389531	KT389749	KT389829	/
<i>N. longicolla</i>	CBS 382 96	KT389532	KT389750	KT389830	
<i>N. polemonii</i>	CBS 109181	GU237746	GU238133	KT389828	KP330427
<i>N. xanthina</i>	CBS 383.68	GU237855	GU238157	KT389831	KP330431
<i>Neomicrosphaeriopsis italica</i>	MFLUCC 15-0485	KU900318	KU729854	/	KU674820
<i>Neophaeosphaeria agaves</i>	CBS 136429	NR_137833	KF777227	/	/
<i>Neoplatysporoides aloicola</i>	CBS 139901	KR476719	KR476754	/	/
<i>Neopyrenochaeta acicola</i>	CBS 812.95	LT623218	GQ387602	LT623232	LT623271
<i>N. fragariae</i>	CBS 101634	LT623217	GQ387603	LT623231	LT623270
<i>N. inflorescentiae</i>	CBS 119222	EU552153	EU552153	LT623233	LT623272
<i>N. telephoni</i>	CBS 139022	KM516291	KM516290	LT717678	LT717685
<i>Neopyrenochaetopsis hominis</i>	CBS 143033	LT592923	LN907381	LT592992	LT593061
<i>Nothophoma anigozanthi</i>	CBS 381.91	GU237852	GU238039	GU237580	KT389655
<i>N. infossa</i>	CBS 123395	FJ427025	GU238089	FJ427135	KT389659
<i>N. macrospora</i>	CBS 140674	LN880536	LN880537	LN880539	LT593073
<i>N. variabilis</i>	CBS 142457	LT592939	LN907428	LT593008	LT593078
<i>O. frigidarii</i>	CBS 103.81	EU040234	EU040234	/	/
<i>P. camelliae</i>	CGMCC 3.18106	KX829034	KX829042	KX829058	KX829050
<i>P. litseae</i>	CGMCC 3.18109	KX829029	KX829037	KX829053	KX829045
<i>P. oligotrophica</i>	CGMCC 3.18111	KX829031	KX829039	KX829055	KX829047
<i>P. selaginellae</i>	CBS 122.93	GU237762	GU238142	GU237656	LT623255
<i>Paraconiothyrium estuarinum</i>	CBS 109850	JX496016	JX496129	JX496355	LT854937
<i>Paracucurbitaria italica</i>	CBS 234.92	LT623219	EU754176	LT623235	LT623274
<i>Parapyrenochaeta acaciae</i>	CBS 141291	KX228265	KX228316	LT717679	LT717686
<i>P. protearum</i>	CBS 131315	JQ044434	JQ044453	LT717677	LT717683

<i>Phaeosphaeria oryzae</i>	CBS 110110	KF251186	KF251689	KF252680	/
<i>Phomatodes aubrietiae</i>	CBS 627.97	GU237895	GU238045	GU237585	KT389665
<i>Pleospora herbarum</i>	CBS 191.86	NR_111243	JX681120	/	KC584471
<i>Pseudoascochyta novae-zelandiae</i>	CBS 141689	LT592892	LT592893	LT592894	LT592895
<i>P. pratensis</i>	CBS 141688	LT223130	LT223131	LT223132	LT223133
<i>Pseudopyrenochaeta lycopersici</i>	CBS 306.65	NR_103581	EU754205	LT717674	LT717680
<i>P. terretris</i>	CBS 282.72	LT623228	LT623216	LT623246	LT623287
<i>Pyrenochaeta nobilis</i>	CBS 407.76	EU930011	EU754206	KT389845	LT623276
<i>P. botulisporea</i>	CBS 142458	LT592946	LN907441	LT593015	LT593085
<i>P. confluens</i>	CBS 142459	LT592950	LN907446	LT593019	LT593089
<i>P. decipiens</i>	CBS 343.85	LT623223	GQ387624	LT623240	LT623280
<i>P. globosa</i>	CBS 143034	LT592934	LN907418	LT593003	LT593072
<i>P. indica</i>	CBS 124454	LT623224	GQ387626	LT623241	LT623281
<i>P. leptospora</i>	CBS 101635	JF740262	GQ387627	LT623242	LT623282
<i>P. microspora</i>	CBS 102876	LT623226	GQ387631	LT623244	LT623284
<i>P. paucisetosa</i>	CBS 142460	LT592897	LN907336	LT592966	LT593035
<i>P. poae</i>	CBS 136769	KJ869117	KJ869175	KJ869243	LT623286
<i>P. setosissima</i>	CBS 119739	LT623227	GQ387632	LT623245	LT623285
<i>P. tabarestanensis</i>	CBS 139506	KF730241	KF803343	KX789523	/
<i>P. uberiformis</i>	CBS 142461	LT592935	LN907420	LT593004	LT593074
<i>Remotididymella anthropophila</i>	CBS 142462	LT592936	LN907421	LT593005	LT593075
<i>R. destructiva</i>	CBS 378.73	GU237849	GU238063	GU237601	LT623258
<i>Similiphoma crystallifera</i>	CBS 193.82	GU237797	GU238060	GU237598	LT623267
<i>Stagonosporopsis dorenboschii</i>	CBS 426.90	GU237862	GU238185	GU237690	KT389678
<i>Staurosphaeria aloes</i>	CBS 136437	NR_137821	KF777198	/	/
<i>S. aptrootii</i>	CBS 483.95	KY929149	GU301806	/	/
<i>S. lycicola</i>	CBS 142619	KY929150	KY929180	/	/
<i>Vacuiphoma bulgarica</i>	CBS 357.84	GU237837	GU238050	GU237589	LT623256
<i>V. oculihominis</i>	UTHSC:DI16-308; FMR13801	LT592954	LN907451	LT593023	LT593093
<i>X. asphodeli</i>	CBS 375.62	KT389549	KT389765	KT389853	KT389689
<i>X. saxea</i>	CBS 419.92	GU237860	GU238141	GU237655	KP330429
<i>Xenopyrenochaetopsis pratorum</i>	CBS 445.81	JF740263	GU238136	KT389846	KT389671

CBS: Westerdijk Fungal Biodiversity Institute (WIFB), Utrecht, The Netherlands. NRRL (Northern Regional Research Laboratory): Agricultural Research Service Culture Collection Database, Peoria, USA. CMW: The working collection of FABI (Forestry and Agricultural Biotechnology Institute), University of Pretoria, South Africa. BBA: Julius Kühn-Institute, Institute for Epidemiology and Pathogen Diagnostics, Berlin and Braunschweig, Germany. CPC: Collection of P.W. Crous.

Table S2. GenBank accession numbers used to identify *Alternaria* strains used in the phylogenetic analyses.

Species	Strain number	GenBank accession number		
		ITS	LSU	<i>rpb2</i>
<i>Alternaria abundans</i>	CBS 534.83	JN383485	KC584323	KC584448
<i>A. A.e</i>	CBS 126989	AF229485	KC584346	KC584470

<i>A. alternata</i>	CBS 916.96	AF347031	DQ678082	KC584375
<i>A. anigozanthi</i>	CBS 121920	KC584180	KC584252	KC584376
<i>A. arborescens</i>	CBS 102605	AF347033	KC584253	KC584377
<i>A. argyranthemii</i>	CBS 116530	KC584181	KC584254	KC584378
<i>A. armoraciae</i>	CBS 118702	KC584182	KC584255	KC584379
<i>A. aspera</i>	CBS 115269	KC584242	KC584349	KC584474
<i>A. atra</i>	CBS 195.67	AF229486	KC584350	KC584475
<i>A. avenicola</i>	CBS 121459	KC584183	KC584256	KC584380
<i>A. axiaeriisporifera</i>	CBS 118715	KC584184	KC584257	KC584381
<i>A. bornmuelleri</i>	DAOM 231361	FJ357317	KC584366	KC584491
<i>A. botryospora</i>	CBS 478.90	AY278844	KC584336	KC584461
<i>A. botrytis</i>	CBS 197.67	KC584243	KC584351	KC584476
<i>A. brassicae</i>	CBS 116528	KC584185	KC584258	KC584382
<i>A. brassicae- pekinensis</i>	CBS 121493	KC584244	KC584353	KC584478
<i>A. brassicicola</i>	CBS 118699	JX499031	KC584259	KC584383
<i>A. breviramosa</i>	CBS 121331	FJ839608	KC584318	KC584442
<i>A. caespitosa</i>	CBS 177.80	KC584250	KC584367	KC584492
<i>A. calycipyricola</i>	CBS 121545	KC584186	KC584260	KC584384
<i>A. cantlous</i>	CBS 123007	KC584245	KC584354	KC584479
<i>A. caricis</i>	CBS 480.90	AY278839	KC584342	KC584467
<i>A. carotiincultae</i>	CBS 109381	KC584188	KC584262	KC584386
<i>A. cetera</i>	CBS 121340	JN383482	KC584317	KC584441
<i>A. chartarum</i>	CBS 200.67	AF229488	KC584356	KC584481
<i>A. cheiranthi</i>	CBS 109384	AF229457	KC584263	KC584387
<i>A. chlamydospora</i>	CBS 491.72	KC584189	KC584264	KC584388
<i>A. chlamydosporigena</i>	CBS 341.71	KC584231	KC584326	KC584451
<i>A. cinerariae</i>	CBS 116495	KC584190	KC584265	KC584389
<i>A. concatenata</i>	CBS 120006	KC584246	KC584355	KC584480
<i>A. conjuncta</i>	CBS 196.86	FJ266475	KC584266	KC584390
<i>A. consortialis</i>	CBS 104.31	KC584247	KC584357	KC584482
<i>A. cucurbitae</i>	CBS 483.81	FJ266483	KC584358	KC584483
<i>A. cumini</i>	CBS 121329	KC584191	KC584267	KC584391
<i>A. dauci</i>	CBS 117097	KC584192	KC584268	KC584392
<i>A. daucifolii</i>	CBS 118812	KC584193	KC584269	KC584393
<i>A. dennisii</i>	CBS 476.90	JN383488	KC584329	KC584454
<i>A. dianthicola</i>	CBS 116491	KC584194	KC584270	KC584394
<i>A. elegans</i>	CBS 109159	KC584195	KC584271	KC584395
<i>A. ellipsoidea</i>	CBS 119674	KC584196	KC584272	KC584396
<i>A. embellisia</i>	CBS 339.71	KC584230	KC584324	KC584449
<i>A. eryngii</i>	CBS 121339	JQ693661	KC584273	KC584397
<i>A. ethzedia</i>	CBS 197.86	AF392987	KC584274	KC584398
<i>A. eureka</i>	CBS 193.86	JN383490	KC584331	KC584456
<i>A. gaisen</i>	CBS 632.93	KC584197	KC584275	KC584399

<i>A. geniostomatis</i>	CBS 118701	KC584198	KC584276	KC584400
<i>A. gypsophilae</i>	CBS 107.41	KC584199	KC584277	KC584401
<i>A. helianthiinficiens</i>	CBS 117370	KC584200	KC584278	KC584402
<i>A. helianthiinficiens</i>	CBS 208.86	JX101649	KC584279	KC584403
<i>A. heterospora</i>	CBS 123376	KC584248	KC584363	KC584488
<i>A. hyacinthi</i>	CBS 416.71	KC584233	KC584332	KC584457
<i>A. indefessa</i>	CBS 536.83	KC584234	KC584333	KC584458
<i>A. infectoria</i>	CBS 210.86	DQ323697	KC584280	KC584404
<i>A. japonica</i>	CBS 118390	KC584201	KC584281	KC584405
<i>A. juxtiseptata</i>	CBS 119673	KC584202	KC584282	KC584406
<i>A. leptinellae</i>	CBS 477.90	KC584235	KC584334	KC584459
<i>A. leucanthemi</i>	CBS 422.65	KC584241	KC584348	KC584473
<i>A. leucanthemi</i>	CBS 421.65	KC584240	KC584347	KC584472
<i>A. limaciformis</i>	CBS 481.81	KC584203	KC584283	KC584407
<i>A. limoniasperae</i>	CBS 102595	FJ266476	KC584284	KC584408
<i>A. lolii</i>	CBS 115266	JN383492	KC584335	KC584460
<i>A. longipes</i>	CBS 540.94	AY278835	KC584285	KC584409
<i>A. macrospora</i>	CBS 117228	KC584204	KC584286	KC584410
<i>A. mimicula</i>	CBS 118696	FJ266477	KC584287	KC584411
<i>A. molesta</i>	CBS 548.81	KC584205	KC584288	KC584412
<i>A. mouchaccae</i>	CBS 119671	KC584206	KC584289	KC584413
<i>A. multiformis</i>	CBS 102060	FJ266486	KC584359	KC584484
<i>A. nepalensis</i>	CBS 118700	KC584207	KC584290	KC584414
<i>A. nobilis</i>	CBS 116490	KC584208	KC584291	KC584415
<i>A. obclavata</i>	CBS 124120	KC584225	FJ839651	KC584443
<i>A. oregonensis</i>	CBS 542.94	FJ266478	KC584292	KC584416
<i>A. oudemansii</i>	CBS 114.07	FJ266488	KC584361	KC584486
<i>A. panax</i>	CBS 482.81	KC584209	KC584293	KC584417
<i>A. papavericola</i>	CBS 116606	FJ357310	KC584321	KC584446
<i>A. penicillata</i>	CBS 116608	FJ357311	KC584316	KC584440
<i>A. penicillata</i>	CBS 116607	KC584229	KC584322	KC584447
<i>A. perpunctulata</i>	CBS 115267	KC584210	KC584294	KC584418
<i>A. petroselini</i>	CBS 112.41	KC584211	KC584295	KC584419
<i>A. photistica</i>	CBS 212.86	KC584212	KC584296	KC584420
<i>A. phragmospora</i>	CBS 274.70	JN383493	KC584337	KC584462
<i>A. planifunda</i>	CBS 537.83	FJ357315	KC584338	KC584463
<i>A. porri</i>	CBS 116698	DQ323700	KC584297	KC584421
<i>A. proteae</i>	CBS 475.90	AY278842	KC584339	KC584464
<i>A. pseudorostrata</i>	CBS 119411	JN383483	KC584298	KC584422
<i>A. radicina</i>	CBS 245.67	KC584213	KC584299	KC584423
<i>A. saponariae</i>	CBS 116492	KC584215	KC584301	KC584425
<i>A. scirpicola</i>	CBS 481.90	KC584237	KC584344	KC584469
<i>A. selini</i>	CBS 109382	AF229455	KC584302	KC584426

<i>A. septorioides</i>	CBS 106.41	KC584216	KC584303	KC584427
<i>A. simsini</i>	CBS 115265	JF780937	KC584304	KC584428
<i>A. slovacae</i>	CBS 567.66	KC584226	KC584319	KC584444
<i>A. smyrnii</i>	CBS 109380	AF229456	KC584305	KC584429
<i>A. solani</i>	CBS 116651	KC584217	KC584306	KC584430
<i>A. soliaridae</i>	CBS 118387	KC584218	KC584307	KC584431
<i>A. solidaccana</i>	CBS 118698	KC584219	KC584308	KC584432
<i>A. sonchi</i>	CBS 119675	KC584220	KC584309	KC584433
<i>A. subcucurbitae</i>	CBS 121491	KC584249	KC584364	KC584489
<i>A. taetica</i>	CBS 479.81	KC584221	KC584310	KC584434
<i>A. tellustris</i>	CBS 538.83	FJ357316	KC584340	KC584465
<i>A. tenuissima</i>	CBS 918.96	AF347032	KC584311	KC584435
<i>A. terricola</i>	CBS 202.67	FJ266490	KC584365	KC584490
<i>A. thalictrigena</i>	CBS 121712	EU040211	KC584312	KC584436
<i>A. triglochinnicola</i>	CBS 119676	KC584222	KC584313	KC584437
<i>A. tumida</i>	CBS 539.83	FJ266481	KC584341	KC584466
<i>A. vaccariae</i>	CBS 116533	KC584223	KC584314	KC584438
<i>A. vaccariicola</i>	CBS 118714	KC584224	KC584315	KC584439
<i>A. ster helianthi</i>	CBS 119672	/	KC584368	KC584493
<i>Cicatricea salina</i>	CBS 302.84	JN383486	KC584325	KC584450
<i>Paradendryphiella arenariae</i>	CBS 181.58	/	KC793338	DQ470924
<i>Peyronellaea zae- maydis</i>	CBS 588.69	/	EU754192	GU371782
<i>Pleospora tarda</i>	CBS 714.68	KC584238	KC584345	AF107804
<i>Pyrenochaeta nobilis</i>	CBS 407.76	/	DQ678096	DQ677991
<i>Stemphylium herbarum</i>	CBS 191.86	KC584239	GU238160	KC584471

CBS: Westerdijk Fungal Biodiversity Institute (WIFB), Utrecht, The Netherlands. NRRL (Northern Regional Research Laboratory): Agricultural Research Service Culture Collection Database, Peoria, USA. CMW: The working collection of FABI (Forestry and Agricultural Biotechnology Institute), University of Pretoria, South Africa. BBA: Julius Kühn-Institute, Institute for Epidemiology and Pathogen Diagnostics, Berlin and Braunschweig, Germany. CPC: Collection of P.W. Crous.

Table S3. GenBank accession numbers used to identify *Stagonosporopsis* strains used in the phylogenetic analyses.

Species	Strain number	GenBank accession number			
		ITS	LSU	<i>tub2</i>	<i>rpb2</i>
<i>Allophoma piperis</i>	CBS 268.93	GU237816	GU238129	GU237644	KT389554
<i>S. actaeae</i>	CBS 105.96	GU237733	GU238165	GU237670	MT018018
<i>Stagonosporopsis actaeae</i>	CBS 106.96	GU237734	GU238166	GU237671	KT389672
<i>S. ailanthicola</i>	MFLUCC 16-1439	KY100872	KY100874	KY100878	KY100876
<i>S. ajacis</i>	CBS 176.93	GU237790	GU238167	GU237672	MT018035
<i>S. ajacis</i>	CBS 177.93	GU237791	GU238168	GU237673	KT389673
<i>S. andigena</i>	CBS 101.80	GU237714	GU238169	GU237674	/
<i>S. artemisiicola</i>	CBS 102636	GU237728	GU238171	GU237676	KT389674
<i>S. astragali</i>	CBS 178.25	GU237792	GU238172	GU237677	MT018030

<i>S. bomiensis</i>	LC 8167	KY742123	KY742277	KY742365	KY742189
<i>S. bomiensis</i>	LC 8168	KY742124	KY742278	KY742366	KY742190
<i>S. caricae</i>	CBS 119735	MN973042	MN973431	MN984054	MN983680
<i>S. centaureae</i>	MFLUCC 16-0787	KX611240	KX611238	/	/
<i>S. chrysanthemi</i>	CBS 137.96	GU237783	GU238191	GU237696	MT018011
<i>S. chrysanthemi</i>	CBS 500.63	GU237871	GU238190	GU237695	MT018012
<i>S. citrulli</i>	FLAS-F-58996	KJ855546	/	KJ855602	/
<i>S. crystalliniformis</i>	CBS 713.85	GU237903	GU238178	GU237683	KT389675
<i>S. crystalliniformis</i>	CBS 771.85	GU237906	GU238179	GU237684	/
<i>S. cucumeris</i>	CBS 386.65	MN973455	MN943657	MT005554	MT018021
<i>S. cucurbitacearum</i>	CBS 109171	GU237922	GU238180	GU237685	MN983682
<i>S. cucurbitacearum</i>	CBS 214.65	MN973454	MN943656	MT005553	MT018020
<i>S. cucurbitacearum</i>	CBS 233.52	MN973456	MN943658	MT005555	MT018024
<i>S. dennisii</i>	CBS 135.96	GU237782	GU238183	GU237688	MT018019
<i>S. dennisii</i>	CBS 631.68	GU237899	GU238182	GU237687	KT389677
<i>S. dorenboschii</i>	CBS 320.90	GU237830	GU238184	GU237689	MT018039
<i>S. dorenboschii</i>	CBS 426.90	GU237862	GU238185	GU237690	KT389678
<i>S. helianthi</i>	CBS 155.90	MN973457	MN943659	MT005556	MT018025
<i>S. helianthi</i>	CBS 200.87	KT389545	KT389761	KT389848	KT389683
<i>S. heliopsidis</i>	CBS 109182	GU237747	GU238186	GU237691	KT389679
<i>S. hortensis</i>	CBS 104.42	GU237730	GU238198	GU237703	KT389680
<i>S. hortensis</i>	CBS 572.85	GU237893	GU238199	GU237704	KT389681
<i>S. inoxydabilis</i>	CBS 425.90	GU237861	GU238188	GU237693	KT389682
<i>S. loticola</i>	CBS 562.81	GU237890	GU238192	GU237697	KT389684
<i>S. loticola</i>	CBS 563.81	MN973465	MN943667	MT005564	MT018040
<i>S. lupini</i>	CBS 101494	GU237724	GU238194	GU237699	KT389685
<i>S. nemophilae</i>	CBS 715.85	MN973460	MN943662	MT005559	MT018031
<i>S. oculo-hominis</i>	CBS 634.92	GU237901	GU238196	GU237701	KT389686
<i>S. papillata</i>	CGMCC 3.18367	KY742125	KY742279	KY742367	KY742191
<i>S. pini</i>	MFLUCC 18-1549	MK347800	MK348019	MK412886	MK434860
<i>S. rhizophilae</i>	XDPOP-RS-9	MN422101	MN422103	MN422099	MN422105
<i>S. rudbeckiae</i>	CBS 109180	GU237745	GU238197	GU237702	MT018015
<i>S. sambucella</i>	CBS 130003	MN973459	MN943661	MT005558	MT018029
<i>S. stuijvenbergii</i>	CBS 144953	MN823449	MN823300	MN824623	MN824475
<i>S. tanacetii</i>	CBS 131484	NR_111724	KP161044	JQ897496	MT018013
<i>S. tanacetii</i>	CBS 131485	MN973452	MN943654	MT005551	MT018014
<i>S. trachelii</i>	CBS 379.91	GU237850	GU238173	GU237678	KT389687
<i>S. trachelii</i>	CBS 384.68	GU237856	GU238174	GU237679	MT018016
<i>S. valerianellae</i>	CBS 273.92	GU237819	GU238200	GU237705	MT018033
<i>S. valerianellae</i>	CBS 329.67	GU237832	GU238201	GU237706	MT018034
<i>S. weymaniae</i>	CBS 144959	MN823453	MN823304	MN824627	MN824479



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