

**Table 1.** Taxon sampling, provenance & GenBank accession numbers.

Fungal isolates	Culture No.	Origin of fungal cultures	Genbank Accession Numbers		
			nuSSU	nuLSU	TEF1a
1 <i>Acrogenospora sphaerocephala</i> (Berk. & Broome) M.B. Ellis	CBS 164.76	W. Gams, Grande Tinémont near Han sur Lesse, BELGIUM.			RPB2
2 <i>Aliquandostipite khaoyaiensis</i> Inderb.	CBS 118232	P. Inderbitzin, AFTOL 1364/OSC 1022, Khao Yai NP, THAILAND.			
3 <i>Anteaglonium abbreviatum</i> (Schwein.) Mugambi & Huhndorf	ANIM 925.1	A.N. Miller, Smoky Mts. TN, USA.			
4 <i>A. abbreviatum</i>	GKM 1029	G.K. Mugambi, Malindi KENYA.			
5 <i>Anteaglonium globosum</i> Mugambi & Huhndorf	SMH 5283	S.M. Huhndorf, Indiana Dunes, IN, USA.			
6 <i>A. globosum</i>	ANIM 925.2	AN Miller, Smoky Mts. TN, USA.			
7 <i>Anteaglonium latirostrum</i> Mugambi & Huhndorf	GKM L100N.2	GK Mugambi, Taita Hills, KENYA.			
8 <i>A. latirostrum</i>	GKM 1119	GK Mugambi, Taita Hills, KENYA.			
9 <i>Anteaglonium parvulum</i> (W.R. Gerard) Mugambi & Huhndorf	SMH 5223	SM Huhndorf, NEW ZEALAND.			
10 <i>A. parvulum</i>	GKM 1218	GK Mugambi, Taita Hills, KENYA.			
11 <i>A. parvulum</i>	GKM 219N	GK Mugambi, Taita Hills, KENYA.			
12 <i>A. parvulum</i>	SMH 5210	SM Huhndorf, NEW ZEALAND.			
13 <i>Arthonia caesia</i> (Flot.) Körb.	AFTOL 775	A Amtoff, AFTOL 775, Watauga Co., NC, USA.			
14 <i>Botryosphaeria dothidea</i> (Moug.) Ces. & De Not.	CBS 115476	B Slippers, AFTOL 946, Crocifisso, SWITZERLAND.			
15 <i>Byssothecium circinans</i> Fuckel	CBS 675.92	G Semeniuk, AFTOL 1735, SD, USA.			
16 <i>Cenococcum geophilum</i> Fr.	HUNT A1 L76616				
17 <i>C. geophilum</i>	CGMONT L76617				
18 <i>C. geophilum</i>	010 L76618				
19 <i>Cochliobolus heterostrophus</i> (Drechsler) Drechsler	CBS 134.39	K Böning, AFTOL 54			
20 <i>Delitschia winteri</i> W. Phillips & Plowright	CBS 225.62	JL Bezerra, AFTOL 1599, Baam, NETHERLANDS			
21 <i>Dothidea insculpta</i> Wallroth	CBS 189.58	E Müller, AFTOL 921, Maupas, FRANCE			
22 <i>Dothidea sambuci</i> Pers. : Fr.	DAOM 231303	S Hambleton & B Shoemaker, AFTOL 274			
23 <i>Eisinoë veneta</i> (Burkh.) Jenkins	?				
24 <i>Encephalographa elisae</i> A. Massal.	EB 0347	M Tretiach, TSB39208, Prov. Trieste, Karst, ITALY.			

25	<i>Farlowiella carmichaeliana</i> (Berk.) Sacc.	<b>CBS 206.36</b>	EW Mason, AFTOL 1787.	AY541482	AY541492	DQ677931	DQ677989
26	<i>F. carmichaeliana</i>	<b>CBS 179.73</b>	W Gams, Teutoburger Wald, Neuenheerse, GERMANY				
27	<i>Gloniopsis arciformis</i> Boehm, Mugambi, Huhndorf & Schoch	<b>GKM L166A</b>	GK Mugami, Malindi, KENYA.				
28	<i>Gloniopsis praelonga</i> (Schwein.) Udenw. & Earle	<b>CBS 112415</b>	S Marincowitz, Kogelberg NR, SOUTH AFRICA.	FJ161134	FJ161173	FJ161090	FJ161113
29	<i>Glp. praelonga</i>	<b>CBS 123337</b>	EWA Boehm, EB 0154, BPI 878725, NJ, USA.	FJ161154	FJ161195	FJ161103	
30	<i>Glp. praelonga</i>	<b>CMW 19983</b>	S Marincowitz, PREM 57539, Jonkershoek NR, SOUTH AFRICA.	FJ161152	FJ161193		
31	<i>Gloniopsis subrugosa</i> (Cooke & Ellis) Boehm & Schoch	<b>CBS 123346</b>	S Marincowitz, EB 0334, BPI 878735, Gauteng, SOUTH AFRICA.	FJ161170	FJ161210		FJ161131
32	<i>Glp. subrugosa</i>	<b>GKM 1214</b>	GK Mugambi, Mt. Kenya, KENYA.				
33	<i>Glp. subrugosa</i>	<b>SMH 557</b>	SM Huhndorf, Sacti Spiritus, CUBA.				
34	<i>Glp. subrugosa</i>	<b>EB 0398</b>	EWA Boehm, Union Co., NJ, USA.				
35	<i>Glonium circumserpens</i> (Nyl.) Kantvilas & Coppins	<b>CBS 123342</b>	G Kantvilas, EB 0331, BPI 878738, Warra SST, TASMANIA.	FJ161168	FJ161208		
36	<i>G. circumserpens</i>	<b>CBS 123343</b>	G Kantvilas, EB 0332, BPI 878739, Warra SST, TASMANIA.	FJ161160	FJ161200	FJ161108	FJ161126
37	<i>Glonium stellatum</i> Muhl. : Fr.	<b>CBS 207.34</b>	ML Lohman, MI, USA.	FJ161140	FJ161179	FJ161095	
38	<i>G. stellatum</i>	<b>ANM 32</b>	AN Miller, Smoky Mts., TN, USA.				
39	<i>Glyphium elatum</i> (Grev.) Zogg	<b>EB 0388</b>	A Gardiennet, Domois, FRANCE.				
40	<i>Glyphium grisonense</i> G. Mathiassen	<b>EB 0375</b>	G Mathiassen, Trømsø, Lavangen, Høgtind Bukkemygra, NORWAY.				
41	<i>Gly. grisonense</i>	<b>EB 0376</b>	G Mathiassen, Finnmark, Lebesby, NORWAY.				
42	<i>Guignardia gauthieriae</i> Aa	<b>AFTOL 1784</b>					
43	<i>Herpotrichia diffusa</i> (Schwein.) Ellis & Everh.	<b>CBS 250.62</b>	MC Pande, AFTOL 1588, Uttar Pradesh, INDIA.				
44	<i>Hysterium angustatum</i> Alb. & Schwein.	<b>CBS 236.34</b>	ML Lohman, WI, USA.		FJ161180	FJ161096	FJ161117
45	<i>H. angustatum</i>	<b>CBS 123334</b>	EWA Boehm, EB 0324, BPI 878724, Sussex Co., NJ, USA.	FJ161167	FJ161207	FJ161111	FJ161129
46	<i>H. angustatum</i>	<b>CMW 20409</b>	S Marincowitz, PREM 57585, Kleinmond, SOUTH AFRICA.	FJ161153	FJ161194		
47	<i>H. angustatum</i>	<b>SMH 5211</b>	SM Huhndorf, NEW ZEALAND.				
48	<i>H. angustatum</i>	<b>GKM 243A</b>	GK Mugambi, Malindi, KENYA.				
49	<i>H. angustatum</i>	<b>SMH 5216</b>	SM Huhndorf, NEW ZEALAND.				
50	<i>H. angustatum</i>	<b>ANM 85</b>	A.N. Miller, Smoky Mts., TN, USA.				

51	<i>Hysterium barrianum</i> Boehm, Miller, Huhndorf & Schoch	<b>ANIM 1495</b>	A.N. Miller, Smoky Mts., TN, USA.				
52	<i>H. barrianum</i>	<b>ANIM 1442</b>	A.N. Miller, Smoky Mts., TN, USA.				
53	<i>Hysterium hyalinum</i> Cooke & Peck	<b>CBS 237.34</b>	M.L. Lohman, No. 425, MA, USA.	FJ161141	FJ161181		
54	<i>Hysterium pulicare</i> (Lightf. : Fr.) Pers.	<b>CBS 123377</b>	E.W.A. Boehm, EB 0238, BPI 878723, NY, USA.	FJ161161	FJ161201	FJ161109	FJ161127
55	<i>Hysterium vermiforme</i> Masseur	<b>GKM 1234</b>	G.K. Mugambi, Mt. Kenya, KENYA.				
56	<i>Hysterobrevium constrictum</i> (N. Amano) Boehm & Schoch	<b>SMH 5211.1</b>	S.M. Huhndorf, NEW ZEALAND.				
57	<i>Hysterobrevium mori</i> (Schwein.) Boehm & Schoch	<b>CBS 245.34</b>	ML Lohman, MI, USA.	FJ161143		FJ161098	
58	<i>Hsb. mori</i>	<b>CBS 123563</b>	EWA Boehm, EB 0249, BPI 878731, NY, USA.	FJ161155	FJ161196	FJ161104	
59	<i>Hsb. mori</i>	<b>CBS 123564</b>	EWA Boehm, EB 0315, BPI 878732, NJ, USA.	FJ161158	FJ161198	FJ161106	
60	<i>Hsb. mori</i>	<b>CBS 123336</b>	EWA Boehm, EB 0304, BPI 878733, NJ, USA.	FJ161164	FJ161204		
61	<i>Hsb. mori</i>	<b>CBS 123335</b>	EWA Boehm, EB 0243, BPI 878734, NY, USA.	FJ161162	FJ161202		
62	<i>Hsb. mori</i>	<b>SMH 5273</b>	SM Huhndorf, IN, USA.				
63	<i>Hsb. mori</i>	<b>GKM 1013</b>	GK Mugabi, Malindi, KENYA.				
64	<i>Hsb. mori</i>	<b>SMH 5286</b>	GK Mugambi, MI, USA, Michigan, USA.				
65	<i>Hsb. mori</i>	<b>GKM 1010</b>	GK Mugabi, Malindi, KENYA.				
66	<i>Hysterobrevium smilacis</i> (Schwein.) Boehm & Schoch	<b>CBS 114601</b>	O Constantinescu, as <i>Glp. curvata</i> (Fr.) Sacc., SWEDEN.	FJ161135	FJ161174	FJ161091	FJ161114
67	<i>Hsb. smilacis</i>	<b>CBS 200.34</b>	ML Lohman, as <i>Glp. gerardiana</i> Sacc., MI, USA.	FJ161138	FJ161177		
68	<i>Hsb. smilacis</i>	<b>CMW 18053</b>	S Marincowitz, PREM 57546, Kirstenbosch NBG, SOUTH AFRICA.	FJ161150	FJ161191		
69	<i>Hsb. smilacis</i>	<b>SMH 5280</b>	GK Mugambi, IN, USA.				
70	<i>Hsb. smilacis</i>	<b>SMH 5211</b>	SM Huhndorf, NEW ZEALAND.				
71	<i>Hsb. smilacis</i>	<b>GKM 426N</b>	Kenya, Taita Hills; G. Mugambi				
72	<i>Hysterocephium fraxini</i> (Pers. : Fr.) De Not.	<b>CBS 109.43</b>	H Zogg, SWITZERLAND.	FJ161132	FJ161171	FJ161088	
73	<i>Hg.fraxini</i>	<b>CBS 242.34</b>	ML Lohman, Manitoba, CANADA.		FJ161189		
74	<i>Hysteropatella clavispora</i> (Peck) Seaver	<b>CBS 247.34</b>	ML Lohman No. 143, AFTOL   1305, IN, USA.	DQ678006	AY541493	DQ677901	DQ677955
75	<i>Hysteropatella elliptica</i> Fr.	<b>CBS 935.97</b>	G Marson, AFTOL 1790, Fentange, LUXEMBOURG.	EF495114	DQ767657	DQ767640	DQ767647

76	<i>Hystiumidium insidens</i> (Schwein.) Boehm & Schoch	<b>CBS 238.34</b>	ML Lohman, MI, USA.	FJ161142	FJ161182	FJ161097	FJ161118
77	<i>Hyst. insidens</i>	<b>ANIM 1443</b>	AN Miller, Smoky Mts., TN, USA.				
78	<i>Hystiumidium pulchrum</i> (Checa, Shoemaker & Umaña) Boehm & Schoch	<b>DQ 402184</b>	J Checa, DAOM 234345, Guanacaste, COSTA RICA.	DQ402184			
79	<i>Hystiumidium sinense</i> (Teng) Boehm & Schoch	<b>CBS 123345</b>	M Gryzenhout, EB 0333, BPI 878730, Limpopo Prov., SOUTH AFRICA.	FJ161169	FJ161209		FJ161130
80	<i>Hst. sinense</i>	<b>EB 0339</b>	EWA Boehm, NJ, USA.				
81	<i>Jahnula aquatica</i> (Plötn. & Kirschst.) Kirschst.	<b>EF 175655</b>	?				
82	<i>Leptosphaeria maculans</i> (Desm.) Ces. & De Not.	<b>DAOM 229267</b>	S Hambleton & B Shoemaker, AFTOL 277, CANADA.				
83	<i>Lophium elegans</i> H. Zogg	<b>EB 0366</b>	A Gardiennet, Til-Chatel, FRANCE.				
84	<i>Lophium mytilinum</i> Pers. : Fr.	<b>CBS 269.34</b>	ML Lohman, AFTOL 1609, MI, USA.	DQ678030	DQ678081	DQ677926	DQ677979
85	<i>L. mytilinum</i>	<b>CBS 114111</b>	K & L Holm & O Constantinescu, Uppland, SWEDEN.	EF596819			
86	<i>L. mytilinum</i>	<b>CBS 123344</b>	EWA Boehm, EB 0248, BPI 878736, NY, USA.	FJ161163	FJ161203	FJ161110	FJ161128
87	<i>Mycosphaerella punctiformis</i> (Pers.) Starbäck	<b>AFTOL 942</b>	?				
88	<i>Myriangium duriae</i> Mont. & Berk.	<b>AFTOL 1304</b>	?				
89	<i>Mytilinidion acicola</i> Winter	<b>EB 0379</b>	A Gardiennet, Veronnes, FRANCE.				
90	<i>M. acicola</i>	<b>EB 0349</b>	A Gardiennet, Fixey, Combe Laveau, FRANCE.				
91	<i>Mytilinidion andinense</i> (Messuti & Lorenzo) Boehm, Schoch & Spatafora	<b>CBS 123562</b>	MI Messuti, EB 0330, BPI 878737, Barrio Don Orión, ARGENTINA.	FJ161159	FJ161199	FJ161107	FJ161125
92	<i>Mytilinidion australe</i> M.L. Lohman	<b>CBS 301.34</b>	AH Smith & ML Lohman, LA, USA.		FJ161183		
93	<i>Mytilinidion californicum</i> Ellis & Harkness	<b>EB 0385</b>	A Gardiennet, Bois de la Chamagne, FRANCE.				
94	<i>Mytilinidion mytilinellum</i> (Fr.) H. Zogg	<b>CBS 303.34</b>	ML Lohman, as <i>M. laeviusculum</i> , MI, USA.	FJ161144	FJ161184	FJ161100	FJ161119
95	<i>M. mytilinellum</i>	<b>EB 0386</b>	A Gardiennet, Boissenois, FRANCE.				
96	<i>Mytilinidion resinicola</i> M.L. Lohman	<b>CBS 304.34</b>	ML Lohman, MI, USA.	FJ161145	FJ161185	FJ161101	FJ161120
97	<i>Mytilinidion rhenanum</i> Fuckel	<b>CBS 135.45</b>	NCTC 6434 (1945), as <i>M. karstenii</i> .	FJ161136	FJ161175	FJ161092	FJ161115
98	<i>M. rhenanum</i>	<b>EB 0341</b>	A Brissard, Guesnes, FRANCE.				
99	<i>Mytilinidion scolecosporum</i> M.L. Lohman	<b>CBS 305.34</b>	AH Smith & ML Lohman, WI, USA.	FJ161146	FJ161186	FJ161102	FJ161121
100	<i>Mytilinidion thujarum</i> (Cooke & Peck) Lohman	<b>EB 0268</b>	EWA Boehm, NY, USA.				
101	<i>M. thujarum</i>	<b>EB 0378</b>	A Gardiennet, Veronnes, FRANCE.				

102	<i>Mytilinidion tortile</i> (Schwein.) Sacc.	EB 0377	A Gardiennet, Veronnes, FRANCE.		
103	<i>Opegrapha dolomitica</i> (Arnold) Clauzade & C.I. Roux	AFTOL 993	?		
104	<i>Ostreichnion curtisii</i> (Duby) M.E. Barr	CBS 198.34	ML Lohman, GA, USA.	FJ161176	FJ161093
105	<i>Ostreichnion sassafras</i> (Schwein.) M.E. Barr	CBS 322.34	ML Lohman, NC, USA.	FJ161148	FJ161188
106	<i>Patellaria atrata</i> (Hedw.) Fr.	CBS 958.97	G Marson, Wasserbillig, Bahnhof, LUXEMBOURG.		
107	<i>Phoma herbarum</i> Westendorp	AFTOL 1575	missing CBS # in AFTOL.		
108	<i>Pleospora herbarum</i> P. Karst.	CBS 191.86	EG Simmons, AFTOL_940, Uttar Pradesh, INDIA		
109	<i>Psilogonium araucanum</i> (Speg.) Boehm & Schoch	CBS 112412	S Marincowitz, CMW 18756, PREM 57570, Kirstenbosch NBG, SOUTH AFRICA.	FJ161133	FJ161089
110	<i>P. araucanum</i>	CMW 18760	S Marincowitz, PREM 57569, Kirstenbosch NBG, SOUTH AFRICA.	FJ161151	FJ161192
111	<i>P. araucanum</i>	CMW 17941	S Marincowitz, PREM 57566, Jonkershoek NR, SOUTH AFRICA.	FJ161149	FJ161190
112	<i>Psilogonium clavisorum</i> (Seaver) Boehm, Schoch, Spatafora	CBS 123338	EWA Boehm, EB 0309, BPI 878726, Union Co., NJ, USA.	FJ161156	FJ161123
113	<i>P. clavisorum</i>	CBS 123339	EWA Boehm, EB 0311, BPI 878727, Union Co., NJ, USA.	FJ161157	FJ161105
114	<i>P. clavisorum</i>	CBS 123340	EWA Boehm, EB 0312, BPI 878728, Union Co., NJ, USA.	FJ161165	FJ161205
115	<i>P. clavisorum</i>	CBS 123341	EWA Boehm, EB 0313, BPI 878729, Union Co., NJ, USA.	FJ161166	FJ161206
116	<i>P. clavisorum</i>	GKM 344A	GK Mugambi, Malindi, KENYA.		
117	<i>P. clavisorum</i>	GKM L172A	GK Mugambi, Malindi, KENYA.		
118	<i>Psilogonium simulans</i> (W.R. Gerard) Boehm, Schoch & Spatafora	CBS 206.34	ML Lohman, MI, USA.	FJ161139	FJ161094
119		ANM 1557	AN Miller, Smoky Mts., TN, USA.		
120	<i>Quasiconcha reticulata</i> M.E. Barr & M. Blackwell	EB QR	M Blackwell, AZ, USA.		
121	<i>Rhytidhysterium hysterinum</i> (Dufour) Samuels & E. Müller	EB 0351	A Gardiennet, Gevrey-Chambertin, FRANCE.		
122	<i>Rhytidhysterium opuntiae</i> (J.G. Brown) M.E. Barr	GKM 1190	GK Mugambi, Malindi, KENYA.		
123	<i>Rhytidhysterium rufulum</i> (Spreng.) Speg.	CBS 306.38	RK Voorhees, AFTOL 2109.		
124	<i>R. rufulum</i>	GKM 361A	GK Mugambi, Malindi, KENYA.		
125	<i>R. rufulum</i>	EB 0382	E Nkansah, Kwame Nkrumae, GHANA.		
126	<i>R. rufulum</i>	EB 0383	E Nkansah, Kwame Nkrumae, GHANA.		
127	<i>R. rufulum</i>	EB 0384	E Nkansah, Kwame Nkrumae, GHANA.	AF164375	FJ469672

128	<i>R. rufulum</i>	<b>EB 0381</b>	E Nkansah, Kwame Nkrumae, GHANA.
129	<i>Scorias spongiosa</i> (Schwein.) Fr.	<b>AFTOL 1594</b>	?
130	<i>Simonyella variegata</i> J. Steiner	<b>AFTOL 80</b>	?

Give a footnote explaining all the abbreviations!