

SUPPLEMENTARY TABLE I. Species and isolates included in the study, their vouchers, locality and GenBank accession

Species	Isolate number	Locality	ITS GenBank accession no.	LSU GenBank accession no.
<i>Amylocystis lapponica</i> (Romell) Bondartsev & Singer ex Singer	HHB-13400-Sp	USA, Alaska	KC585237	KC585059
	OKM-4418-Sp	USA, Montana	KC585238	KC585060
	KHL-11755		–	EU118603
<i>Amyloporia carbonica</i> (Overh.) Vampola & Pouzar	DAOM-F-8281-T	Canada, British Columbia	KC585239	KC585061
	FP-105585-Sp	USA, Oregon	KC585240	KC585062
	RLG-12496-Sp	USA, Nevada	KC585241	KC585063
	Wilcox-96	USA, California	KC585242	KC585064
	Zabel-40-GLN	USA, New York	KC585243	KC585065
<i>Amyloporia nothofaginea</i> Rajchenb. & Gorjón	BAFC519794 (=MMBP-2011)	Argentina	JF713078	–
	BAFC519796 (=MBP-2011a)	Argentina	JF713079	–
<i>Amyloporia sinuosa</i> (Fr.) Rajchenb., Gorjón & Pildain	FP-105386-Sp	USA, New Hampshire	KC585244	KC585066
	FP-94464-Sp	USA, Idaho	KC585245	KC585067
	HHB-12878-Sp	USA, Alaska	KC585246	KC585068
	L-14130-Sp	USA, New York	KC585247	KC585069
	L-6192-Sp	USA, Colorado	KC585248	KC585070
	L-9792-Sp	USA, Arizona	KC585249	KC585071
	Pa-3C	Japan Yamagata Prefecture	KC585250	KC585072
	Pa-3e	Japan Shizuoka Prefecture	KC585251	KC585073
	RLG-2538	USA, New York	EU232196	EU232288
	X725 (=Miettinen-12407)	Finland	JQ700270	JQ700270
	P-115 (=RLG-2538)	USA	AJ416068	–
	P-211 (G-214)	Germany, Karlsruhe	AJ345011	–
	RLG-1182R	USA, Arizona	AY966450	AY333831
<i>Amyloporia sitchensis</i> (D.V. Baxter) Vampola & Pouzar	HHB-5320-Sp	USA, Montana	KC585252	KC585074
	HHB-5298	USA, Montana	–	AY333829
	HHB-12513	USA, Alaska	AY966451	AY333830
<i>Amyloporia sordida</i> (Ryvarden & Gilb.) Vampola & Pouzar	L-3393-R	USA, New York	KC585253	KC585075
	RLG-9497		EU232193	EU232289
<i>Amyloporia stratos</i> (J.E. Wright & J.R. Deschamps) Rajchenb., Gorjón & Pildain	MR-10679	Argentina	JF713081	–
	Gates-FF259	Australia, Tasmania	JF713080	–
<i>Amyloporia xantha</i> (Fr.) Bondartsev & Singer	DAOM-16570	Canada, British Columbia	KC585254	KC585076
	Denmark-Myc	Norway, Porsgrunn	–	KC585077
	FP-100007-R	USA, California	KC585255	KC585078
	FP-100046-R	USA, New York	KC585256	KC585079
	FP-103867-Sp	USA, Maryland	KC585257	KC585080
	FP-105920-Sp	USA, South Dakota	KC585258	KC585081
	FP-135070-Sp	USA, Montana	KC585259	KC585082
	FP-135380-Sp	England, Crewkerne	KC585260	KC585083
	HHB-8673	USA, Arizona	KC585261	KC585084
	L-14612-Sp	Canada, Alberta	KC585262	KC585085
	ME-50	USA, Wisconsin	KC585263	KC585086

numbers.

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<i>Amyloporia xantha</i> (Fr.) Bondartsev & Singer	ME-550-R	USA, Washington	KC585264	KC585087
	FCUG-100		–	EU232283
	TFRI-879		EU232210	EU232284
	isolate P209 (G185)	Turkey	AJ415569	–
	Sample 43		AJ006681	–
	CBS 155.79	Germany, Teutoburger Wald	DQ491424	–
<i>Antrodia albida</i> (Fr.) Donk	X701 (=Miettinen-12400)	Finland	JQ700269	JQ700269
	CBS 308.82	USA, Wisconsin	DQ491414	AY515348
	FP-105979	USA, Maryland	EU232189	EU232272
	sample 31		AJ006680	–
	FCUG-1100		–	AY333846
	FCUG-1396		–	AY333845
<i>Antrodia albobrunnea</i> (Romell) Ryvar den	FP-100514		EU232215	EU232299
	L-14574-Sp	Canada, Alberta	KC585265	KC585088
	X991 (=Miettinen-13277.2)	Finland	KC595889	KC595889
<i>Antrodia alpina</i> (Litsch.) Gilb. & Ryvar den	FP-105523-Sp	USA, Oregon	KC585266	KC585089
<i>Antrodia bondartsevae</i> Spirin (= <i>Antrodia wangii</i>)	RLG-6107-Sp	USA, Montana	KC585267	KC585090
	X1059 (=Dai-7172)	China	JQ700275	JQ700275
	X1207 (Dai-6613)	China	JQ700277	JQ700277
	Cui5525		FJ617303	–
<i>Antrodia crassa</i> (P. Karst.) Ryvar den	X776 (=Helo-60707009)	Finland	KC595890	KC595890
<i>Antrodia favescent</i> (Schwein.) Vlasák & Spirin, comb. nov.	FP-103468-Sp	USA, Maryland	KC585268	KC585091
	FP-103723-Sp	USA, Virginia	KC585269	KC585092
	L-10040-Sp	USA, Arizona	KC585270	KC585093
	L-11015-Sp	USA, North Carolina	KC585271	KC585094
	L-12838-Sp	Costa Rica, San José	KC585272	KC585095
	Mad-4875-R	USA, Wisconsin	KC585273	KC585096
	MD-195	USA, Wisconsin	KC585274	KC585097
<i>Antrodia heteromorpha</i> (Fr.) Donk	FP-101702-Sp	USA, New York	KC585275	KC585098
	FP-133176-Sp	USA, Wisconsin	KC585276	KC585099
	FP-133496-Sp	USA, Oregon	KC585277	KC585100
	FP-71189-R	USA, Pennsylvania	KC585278	KC585101
	HHB-14162-T	USA, Alaska	KC585279	KC585102
	L-14570-Sp	Canada, Alberta	KC585280	KC585103
	L-15692-Sp	USA, New York	KC585281	KC585104
	X1438 (=Niemelä-2589)	Canada	KC543147	KC543147
	X1440 (=Niemelä-2621)	Canada	KC543148	KC543148
	X686 (=Niemelä-6348)	Finland	JQ700268	JQ700268
	CBS 200.91	Canada, Nova Scotia	DQ491415	–
<i>Antrodia hingganensis</i> Y.C. Dai & Pentillä	X1283 (=Dai-3748)	China	KC595893	KC595893
<i>Antrodia hyalina</i> Spirin, Miettinen & Kotir.	X1322 (=Spirin-2772)	Russia	JQ700283	JQ700283
	X1368 (=Kotiranta-19668)	Russia	JQ700284	JQ700284

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<i>Antrodia infirma</i> Renvall & Niemelä	TN-7637 (=4236)	Finland	KC595894	KC595894
	TN-7644 (=4238)	Finland	KC595895	KC595895
	X1397 (=Miettinen-13262.2)	Finland	JQ700287	JQ700287
<i>Antrodia juniperina</i> (Murrill) Niemelä & Ryvarden	FP-105489-Sp	USA, Maryland	KC585282	KC585105
	FP-71540-R	USA, Maryland	KC585283	KC585106
	FP-71586-R	USA, Virginia	–	KC585107
	FP-97452-T	Ethiopia	KC585284	KC585108
	SRM-403-T	USA, Nebraska	KC585285	KC585109
	WM-284T		EU232212	EU232295
	CBS 639.75	Tanzania, Mount Kilimanjaro	–	AY515347
	CBS 117.40	USA, Maryland	DQ491416	–
	Macedonici 07/8020	Macedonia	FM872462	–
	Macedonici 01/2095	Macedonia	FM872461	–
<i>Antrodia leucaena</i> Y.C. Dai & Niemelä	X1258 (=Pennanen-927)	Finland	JQ700278	JQ700278
<i>Antrodia macra</i> (Sommerf.) Niemelä	X1286 (=Dai-2910a)	China	JQ700281	JQ700281
	X806 (=Hottola-2729)	Finland	KC543134	KC543134
	X1292 (=Niemelä-7865)	Finland	KC543138	KC543138
	MUAF 887	Czech Republic	EU340898	–
<i>Antrodia macrospora</i> Bernicchia & De Dominicis (=A. albidoides)	X1433 (=Bernicchia-5672)	Italy	KC543146	KC543146
<i>Antrodia malicola</i> (Berk. & M.A. Curtis) Donk	FP-104329-Sp	USA, Maryland	KC585286	KC585110
	HMIPS-4837	Poland?, Ustrzyki Dolne	KC585287	KC585111
	L-13022-Sp	Costa Rica, Alajuela	KC585288	KC585112
	L-15013-Sp	USA, Indiana	KC585289	KC585113
	TFRI-349		EU232213	EU232296
	MJL-1167-Sp	USA, New York	–	AY333835
	BCRC-35452	Taiwan	DQ013299	AY333837
	X1016 (=Miettinen-10595.1)	China	KC595896	KC595896
	X1382 (=Spirin)	Russia	JQ700282	JQ700282
	X1317 (=Spirin-30.V.2000)	Russia	KC595900	KC595900
	X1376 (=Spirin-3447)	Russia	KC595901	KC595901
	X1079 (=Miettinen-2645)	Finland	KC595897	KC595897
	X1333 (=Spirin-3315)	Russia	KC543139	KC543139
	X1305 (=Spirin-2680)	Russia	KC595898	KC595898
	X1316 (=Spirin-2785)	Russia	KC595899	KC595899
<i>Antrodia odora</i> (Peck ex Sacc.) Gilb. & Ryvarden	HHB-6094R	USA, Arizona	EU232194	EU232286
<i>Antrodia oleracea</i> (R.W. Davidson & Lombard) Ryvarden	FP-48282-R	USA, Michigan	KC585290	KC585114
	FP-70890-Sp	USA, Georgia	KC585291	KC585115
	HHB-3543-Sp	USA, Michigan	KC585292	KC585116
	HHB-5988-Sp	USA, Arizona	KC585293	KC585117
	L-3488-R	USA, New York	KC585294	KC585118
	Mad-4907	USA, Texas	KC585295	KC585119

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<i>Antrodia oleracea</i> (R.W. Davidson & Lombard) Ryvarden	MD-177	USA, Wisconsin	KC585296	KC585120
	RLG-3818	USA, North Carolina	EU232198	EU232291
<i>Antrodia primaeva</i> Renvall & Niemelä	X764 (=Miettinen-117)	Russia	JQ700272	JQ700272
<i>Antrodia pulverulenta</i> B. Rivoire	X1279 (=Rivoire-3450)	France	JQ700280	JQ700280
<i>Antrodia pulvinascens</i> (Pilát) Niemelä	X802 (=Miettinen-7488.1)	Finland	JQ700274	JQ700274
	X1372 (=Pennanen-1532)	Finland	JQ700286	JQ700286
	KG189-97	Sweden	JQ700291	JQ700291
<i>Antrodia ramentacea</i> (Berk. & Broome) Donk	X1226 (=Marstad-274.09)	Norway	KC543137	KC543137
	X1385 (=Spirin-2540)	Russia	KC595903	KC595903
	MR-11937	Argentina, Neuquén	JF713082	–
<i>Antrodia serialis</i> (Fr.) Donk	Boat-184	USA, Massachusetts	KC585297	KC585121
	DAOM-11977	Canada, British Columbia	KC585298	KC585122
	FP-100248-T	USA, Colorado	KC585299	KC585123
	FP-100562-T	USA, New Hampshire	KC585300	KC585124
	FP-104443-Sp	USA, Colorado	KC585301	KC585125
	FP-105717-Sp	USA, Maryland	KC585302	KC585126
	FP-105599	USA, Wyoming	EU232199	EU232293
	FP-133692-Sp	USA, Oregon	KC585303	KC585127
	FP-134828-Sp	USA, Idaho	–	KC585128
	FP-94125	USA, North Carolina	KC585304	KC585129
	HHB-12661-Sp	USA, Alaska	KC585305	KC585130
	L-12464-Sp	USA, North Carolina	KC585306	KC585131
	L-8012-Sp	USA, Washington	KC585307	KC585132
	X732 (=Miettinen-12401)	Finland	JQ700271	JQ700271
	Macedonici 91/2181	Macedonia	FM872469	–
	Macedonici 06/7170	Macedonia	FM872468	–
	CBS 306.82	Germany, Reinhausen	DQ491417	–
	P213 (G102)	Germany	AJ344139	–
<i>Antrodia serialiformis</i> Kout & Vlasák	JK-2009a	USA	FJ788412	–
<i>Antrodia serpens</i> (Fr.) P. Karst.	X1163 (=Niemelä-8555)	Finland	KC543136	KC543136
<i>Antrodia taxa</i> T.T. Chang & W.N. Chou	TFRI-781	Taiwan?	EU232191	EU232275
	TFRI-782	Taiwan?	EU232192	EU232276
<i>Antrodia variiformis</i> (Peck) Donk	FP-100609-Sp	USA, Minnesota	KC585308	KC585133
	FP-104442-Sp	USA, Colorado	KC585309	KC585134
	FP-89848-R	USA, Utah	KC585310	KC585135
	FP-90100-Sp	USA, New York	KC585311	KC585136
	L-3379-R	USA, New York	KC585312	KC585137
	L-6138-SP	USA, Colorado	KC585313	KC585138
	CBS 309.82	USA, New York	DQ491418	AY515344
	CBS 375.82	USA, New York	–	AY515345
<i>Antrodia</i> sp.	RLG-11175-R	USA, Arizona	KC585314	KC585139
	RLG-7115-Sp	USA, Arizona	KC585315	KC585140
	X873 (=Klepsland-277)	Turkey	KC595891	KC595891
	X1321 (=Miettinen-11605)	Indonesia	KC595892	KC595892

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<i>Antrodia</i> sp.	X1460 (=Spirin-1460)	Russia	KC595902	KC595902
<i>Auriporia aurea</i> (Peck) Ryvarden	FP-98524	USA, New Mexico	KC585316	KC585141
	FPL-7026		–	AF287846
<i>Auriporia aurulenta</i> A. David, Tortič & Jelić	HHB-8864	USA, Mississippi	KC585317	KC585142
	PRM-915967	Czech Republic	GU594153	–
<i>Crustoderma corneum</i> (Bourdot & Galzin) Nakasone	HHB-5685-Sp	USA, Montana	KC585318	KC585143
	L-13829-Sp	Canada, Ontario	KC585319	KC585144
<i>Crustoderma dryinum</i> (Berk. & M.A. Curtis) Parmasto	FP-105487-Sp	USA, Maryland	KC585320	KC585145
	HHB-1290-Sp	USA, New Mexico	KC585321	KC585146
	HHB-7517-Sp	USA, Michigan	KC585322	KC585147
	Kropp62ClEugene	USA, Oregon	KC585323	KC585148
	RLG-13018-Sp	USA, Arizona	KC585324	KC585149
<i>Crustoderma flavesceus</i> Nakasone & Gilb.	HHB-9359-Sp	USA, Wisconsin	KC585325	KC585150
	L-10857-Sp	USA, North Carolina	KC585326	KC585151
<i>Crustoderma longicystidium</i> (Litsch.) Nakasone	FCUG-502	Norway	–	AY219388
<i>Crustoderma marianum</i> Nakasone	FP-105993-Sp	USA, Maryland	KC585327	KC585152
	FP-94432-Sp	USA, Maryland	KC585328	KC585153
<i>Crustoderma opuntiae</i> Nakasone & Gilb.	RLG-12290-Sp	USA, Arizona	KC585329	KC585154
<i>Crustoderma resinosum</i> (H.S. Jacks. & Dearden) Gilb.	L-10631-Sp	USA, Washington	KC585330	KC585155
<i>Dacryobolus sudans</i> (Alb. & Schwein.) Fr.	FP-100190-Sp	USA, Colorado	KC585331	KC585156
	FP-101996-Sp	USA, Wisconsin	KC585332	KC585157
	FP-150381	Jamaica	KC585333	KC585158
	HHB-8966-Sp	USA, Mississippi	KC585334	KC585159
<i>Dacryobolus karstenii</i> (Bres.) Oberw. ex Parmasto	KHL-11162		–	EU118624
<i>Daedalea quercina</i> (L.) Pers.	FP-103364-T	USA, Georgia	KC585335	KC585160
	FP-125063-T	USA, New Hampshire	KC585336	KC585161
	OKM-3802-Sp	USA, Maryland	KC585337	KC585162
	DLL08-35	Sweden	KC585338	KC585163
	IHD-H-D4		EU787455	–
	P-320		EU768810	–
	47786	Norway	FJ403212	–
	18198	Belize	FJ403211	–
<i>Daedalea dickinsii</i> Yasuda	027	China	EU661878	–
	KUC9199		–	JF416685
	KUC8811		–	EU024963
<i>Daedalea neotropica</i> D.L. Lindner, Ryvarden & T.J. Baroni	DLC04-80	Belize	FJ403217	–
	DLC04-100	Belize	FJ403218	–
<i>Daedalea pseudodoehmia</i> (Corner) T. Hatt.	10533	China	FJ403210	–
<i>Daedalea stereoides</i> Fr.	10551	Ethiopia	FJ403215	–
<i>Fibroporia bohemica</i> Bernicchia, Vampola & Prodi	Vampola 3/04	Czech Republic, Bohemia	HM590889	–

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<i>Fibroporia bohemica</i> Bernicchia, Vampola & Prodi	PRM-859138	Czech Republic, Bohemia	HM590890	–
<i>Fibroporia citrina</i> (Bernicchia & Ryvarden) Bernicchia & Ryvarden	HUBO-7715	Italy, Emilia-Romagna	GU991573	–
	HUBO-7887	Italy, Emilia-Romagna	HM542005	–
<i>Fibroporia gossypium</i> (Speg.) Parmasto	X1403 (=Miettinen-13991)	Finland	KC595905	KC595905
	HUBO-7724	Italy, Sardinia	HM590880	–
	MR-10569	Argentina, Chubut	JF713075	–
	TN-7286 (=4243)	Finland	KC595906	KC595906
<i>Fibroporia norrlandica</i> (Berglund & Ryvarden) Niemelä	32994 (=4151)	Finland	KC595909	KC595909
	TN-6099 (=4115) OFM2	Finland	KC595907	KC595907
<i>Fibroporia pseudorennyi</i> (Spirin) Spirin	X1377 (=Rivoire-3914)	France	KC595927	KC595927
<i>Fibroporia radiculosa</i> (Peck) Parmasto	X1384 (holotype)	Russia	KC595928	KC595928
	FP-105309-R	USA, Florida	KC585339	KC585164
<i>Fibroporia vaillantii</i> (DC.) Parmasto	FP-90848-T	USA, Maryland	KC585340	KC585165
	L-11659-Sp	USA, New York	KC585341	KC585166
	L-12617	USA, South Carolina	KC585342	KC585167
	L-9318	USA, Arizona	KC585343	KC585168
	RLG-7629-Sp	USA, Arizona	KC585344	KC585169
	Cui-2797	China	FJ644284	–
	FP-90877-R	USA, New Jersey	KC585345	KC585170
	FP-97397	USA, Pennsylvania	–	KC585171
	RWD-63-263	USA, Colorado	KC585346	KC585172
	P240	Germany	AJ421068	AJ583429
	25794		–	
	P107 (FPRL 14)	United Kingdom	AJ249266	–
	HUBO-8158	Italy, Sardinia	HM590886	–
	240	Germany	AM286436	–
<i>Fibroporia</i> sp.	P113 (DFPG-6911)	New Zealand	AJ344140	–
	MR-11938	Argentina, Neuquén	JF713077	–
	FP-100484-Sp	USA, Virginia	KC585347	KC585173
	920821			
	L-7878-Sp	USA, Washington	KC585348	KC585174
	L-14122-Sp	USA, New York	KC585349	KC585175
<i>Fomitopsis cajanderi</i> (P. Karst.) Kotl. & Pouzar	X329 (=Miettinen-9992)	China	KC595904	KC595904
	BCRC-35447		EU232200	EU232294
<i>Fomitopsis cupreorosea</i> (Berk.) J. Carranza & Gilb.	CBS 225.39	USA, Oregon	–	AY515324
	X1427 (=Spirin-28.V.2000)	Russia	KC595915	KC595915
<i>Fomitopsis dochmia</i> (Berk. & Broome) Ryvarden	CBS 236.87	Costa Rica	DQ491373	AY515325
<i>Fomitopsis feei</i> (Fr.) Kreisel	CBS 426.84	Thailand, Doi Inthanon	DQ491401	AY515326
<i>Fomitopsis feei</i> (Fr.) Kreisel	X1425 (=Miettinen-13120)	Indonesia	KC595916	KC595916
	X1439 (=Schigel-5234)	Australia	–	KC595917
	CBS 424.84	Mexico, Michoacan	DQ491402	–

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<i>Fomitopsis iberica</i> Melo & Ryvardeen	X1367 (=Vampola 19.VI.1995)	Czech Republic	KC595930	KC595930
<i>Fomitopsis lilacinogilva</i> (Berk.) J.E. Wright & J.R. Deschamps	CBS 422.84	Australia, New South Wales	DQ491403	AY515329
	CBS 421.84	Argentina	–	AY515328
<i>Fomitopsis meliae</i> (Underw.) Gilb.	FP-105065	USA, Mississippi	KC585350	KC585176
	SRM-209	USA, Nebraska	KC585351	KC585177
	2IV-7-1	Thailand?	FJ372674	FJ372696
	X244 (=Miettinen-10071)	China	KC595914	KC595914
<i>Fomitopsis ostreiformis</i> (Berk.) T. Hatt.	BCC-23382	Thailand	FJ372684	FJ372706
	7P-3-1	Thailand	FJ372678	EJ372700
<i>Fomitopsis palustris</i> (Berk. & M.A. Curtis) Gilb. & Ryvardeen	MS-48	USA, Wisconsin	KC585352	KC585178
	L-15755	USA, Maryland	–	KC585179
	CBS 283.65	USA, Georgia	DQ491404	AY515333
	BC315	Japan	AB604156	AB604155
	TYP0507		EU024965	–
<i>Fomitopsis pinicola</i> (Sw.) P. Karst.	AFTOL-ID-770		AY854083	AY684164
	CBS 221.39	Canada, British Columbia	DQ491405	AY515334
	FP-105760	USA, Idaho	–	AY333811
	TFRI-513		EU232197	EU232290
	X772 (=Miettinen-12391)	Finland	JQ700273	JQ700273
	X1394 (=Miettinen-12439.1)	Bulgaria	KC595922	KC595922
	KG1			
	UBC-F16252	Canada	EF530947	–
	CIRM-BRFM 971		GU731552	–
	KMJ-812		FJ418162	–
<i>Fomitopsis rosea</i> (Alb. & Schwein.) P. Karst.	FP-134163	USA, Montana	–	KC585180
	FP-104278	USA, Maine	–	AY333809
	RLG-6954	USA, Arizona	KC585353	KC585181
	X1415 (=Niemi-118)	Finland	KC595923	KC595923
	HOU-17408		DQ491412	–
	FrRo47.1	Finland	AJ415551	–
	FrKu36.4	Finland	AJ415553	–
<i>Fomitopsis spraguei</i> (Berk. & M.A. Curtis) Gilb. & Ryvardeen	X1430 (=Dai-5983)	China	KC595924	KC595924
	CBS 365.34	USA	DQ491406	AY515335
<i>Fomitopsis</i> sp.	X368 (=Miettinen-8737.1)	Indonesia	KC595910	KC595910
	X1393 (=Miettinen-11573)	Indonesia	KC595918	KC595918
	X1421 (=Miettinen-13162)	Indonesia	KC595921	KC595921
	X1412 (=Miettinen-14311)	Indonesia	KC595920	KC595920
	X1405 (=Miettinen-14417)	Indonesia	KC595919	KC595919
	X1419 (=Miettinen-13019)	Indonesia	KC595911	KC595911
	X1423 (=Miettinen-13076)	Indonesia	–	KC595912

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<i>Fomitopsis</i> sp.	X1453 (=Miettinen-5486)	Indonesia	KC595913	KC595913
	9V-3-1	Thailand	FJ372677	FJ372699
	X56	Italy?	HM126460	–
<i>Gilbertsonia angulopora</i> (M.J. Larsen & Lombard) Parmasto	FP-133019	USA, Oregon	KC585354	KC585182
<i>Laetiporus caribensis</i> Banik & D. L. Lindner	PR-914	Puerto Rico	EU402548	EU402526
<i>Laetiporus cincinnatus</i> (Morgan) Burds., Banik & T.J. Volk	DA-37(Ta)	USA, Wisconsin	EU402557	EU402521
	46-1104	USA, Louisiana	EU402560	EU402522
<i>Laetiporus conifericola</i> Burds. & Banik	CA-8(Ta)	USA, California	EU402575	EU402523
	JAM-1	USA, Alaska	EU402577	EU402524
<i>Laetiporus gilbertsonii</i> Burds.	CA-13	USA, California	EU402549	EU402527
	TJV2000-101	USA, Florida	EU402553	EU402528
<i>Laetiporus huroniensis</i> Burds. & Banik	HMC-3	USA, Michigan	EU402571	EU402540
	MI-14	USA, Michigan	EU402573	EU402539
<i>Laetiporus montanus</i> Černý ex Tomšovský & Jankovský	L12-706688	Czech Republic	EU840558	EU844419
<i>Laetiporus persicinus</i> (Berk. & M.A. Curtis) Gilb.	HHB-9564-Sp	USA, Florida	EU402579	EU402513
	RLG-14725-Sp	USA, Louisiana	EU402581	EU402512
<i>Laetiporus portentosus</i> (Berk.) Rajchenb.	CBS 307.39	Australia	HQ332384	–
<i>Laetiporus sulphureus</i> (Bull.) Murrill	DA-41(Ta)	USA, Wisconsin	–	KC585183
	CT-1	USA, Connecticut	EU402565	EU402532
	X1314 (=Miettinen-10558)	China	–	KC595925
	AFTOL-ID-769		DQ221108	AY684162
	TFRI-1092		–	EU232302
	DSH93-194		–	AF287870
<i>Laricifomes officinalis</i> (Batsch) Kotl. & Pouzar	OKM-8050	USA, Idaho	KC585355	KC585184
	CBS 565.83	Austria	–	AY515332
	CBS 164.30	Siberia	–	AY515331
	Stamets-F10	USA	EU854442	EU854448
<i>Melanoporia castanea</i> (Imazeki) T. Hatt. & Ryvarden	X1284 (=Miettinen-10517.1)	China	KC595926	KC595926
<i>Melanoporia nigra</i> (Berk.) Murrill	FP-90875	USA, Washington, D.C.	KC585356	KC585185
	FP-90888	USA, Maryland	KC585357	KC585186
<i>Neolentiporus maculatissimus</i> (Lloyd) Rajchenb.	Rajchenberg-158	Argentina	–	AF518632
<i>Oligoporus balsameus</i> (Peck) Gilb. & Ryvarden	FP-135372-Sp	England	KC585358	KC585187
	KEW-35		–	AF518640
	X1349 (=Miettinen-10468)	China	KC595933	KC595933
	TN-6876 (=4118)	Finland	KC595934	KC595934
<i>Oligoporus floriformis</i> (Quél.) Gilb. & Ryvarden	X1295 (=Murdoch-224)	Finland	KC595936	KC595936
	29088 (=4120)	Finland	KC595937	KC595937

Species	Isolate number	Locality	ITS GenBank accession no.	LSU GenBank accession no.
<i>Oligoporus guttulatus</i> (Peck ex Sacc.) Gilb. & Ryvar den	L-13428-Sp	Costa Rica, San José	KC585359	KC585188
	L-8050	USA, Washington	KC585360	KC585189
	KHL-11739	Finland	EU118650	EU118650
<i>Oligoporus perdelicatus</i> (Murrill) Gilb. & Ryvar den	FP-104427-Sp	USA, Colorado	KC585361	KC585190
<i>Oligoporus rennyi</i> (Berk. & Broome) Donk	KEW-57		AY218416	AF287876
	TN-6645 (=4148)	Finland	KC595929	KC595929
<i>Oligoporus sericeomollis</i> (Romell) Bondartseva	FP-90186-R	USA, Georgia	KC585362	KC585191
	L-15571-Sp	USA, New York	KC585363	KC585192
	L-6223-Sp	USA, Colorado	KC585364	KC585193
	L-15088-Sp	USA, New York	KC585365	KC585194
	MJL-3788-Sp	USA, Michigan	KC585366	KC585195
	RLG-5044-Sp	USA, New York	KC585367	KC585196
	X1332 (=Miettinen-10474)	China	KF112878	KF112878
<i>Phaeolus schweinitzii</i> (Fr.) Pat.	FP-102447-Sp	USA, Michigan	KC585368	KC585197
	FP-133218-Sp	USA, Oregon	KC585369	KC585198
	FPL-5096		AY218422	AF287882
	OKM-4435-T	USA, Montana	KC585370	KC585199
	AFTOL-702	USA, New York?	–	AY629319
	HHB-18924	USA	EU402515	EU402515
<i>Piptoporus betulinus</i> (Bull.) P. Karst.	FP-125006-T	USA, New Hampshire	KC585371	KC585200
	FP-71933-T	USA, Massachusetts	KC585372	KC585201
	L-15603-Sp	USA, New York	KC585373	KC585202
	RLG-5085-Sp	USA, Pennsylvania	KC585374	KC585203
	CBS 378.51	Austria	DQ491423	–
	CBS 377.51	Japan	–	AY515352
<i>Piptoporus soloniensis</i> (Dubois) Pilát	CBS 492.76	Japan	–	AY515354
<i>Postia alni</i> Niemelä & Vampola	X1348 (=Miettinen-14211)	Finland	KC595931	KC595931
	X1400 (Niemi)	Finland	–	KC595932
<i>Postia caesia</i> (Schrad.) P. Karst.	DL96-154	USA, Michigan	–	KC585204
	FP-135373-Sp	England, Madehurst	KC585375	KC585205
	HHB-14891	USA, Washington	KC585376	KC585206
	KHL-11087		–	AF347111
	X1408 (=Miettinen-13610)	Finland	KC595935	KC595935
	WD-1974	Japan	–	AB569119
<i>Postia japonica</i> Y.C. Dai & T. Hatt.	WD-2103	Japan	–	AB569122
	WD-2338	Japan	–	AB569121
<i>Postia lactea</i> (Fr.) P. Karst.	X1378 (=Niemelä-7742)	Finland	KC595938	KC595938
	X1391 (=Kotiranta-20058)	Finland	KC595939	KC595939
	KEW-55		–	AY293205
<i>Postia leucomallella</i> (Murrill)	KEW-29		–	AF393072
	TN-6120 (=4010)	Finland	KC595940	KC595940
	TN-7237 (=4011)	Finland	KC595943	KC595943
<i>Postia lowei</i> (Pilát ex Pilát) Jülich	X1373 (=Pennanen-1254)	Finland	KC595941	KC595941
	X1417 (Onni Miettinen)	Finland	KC595942	KC595942

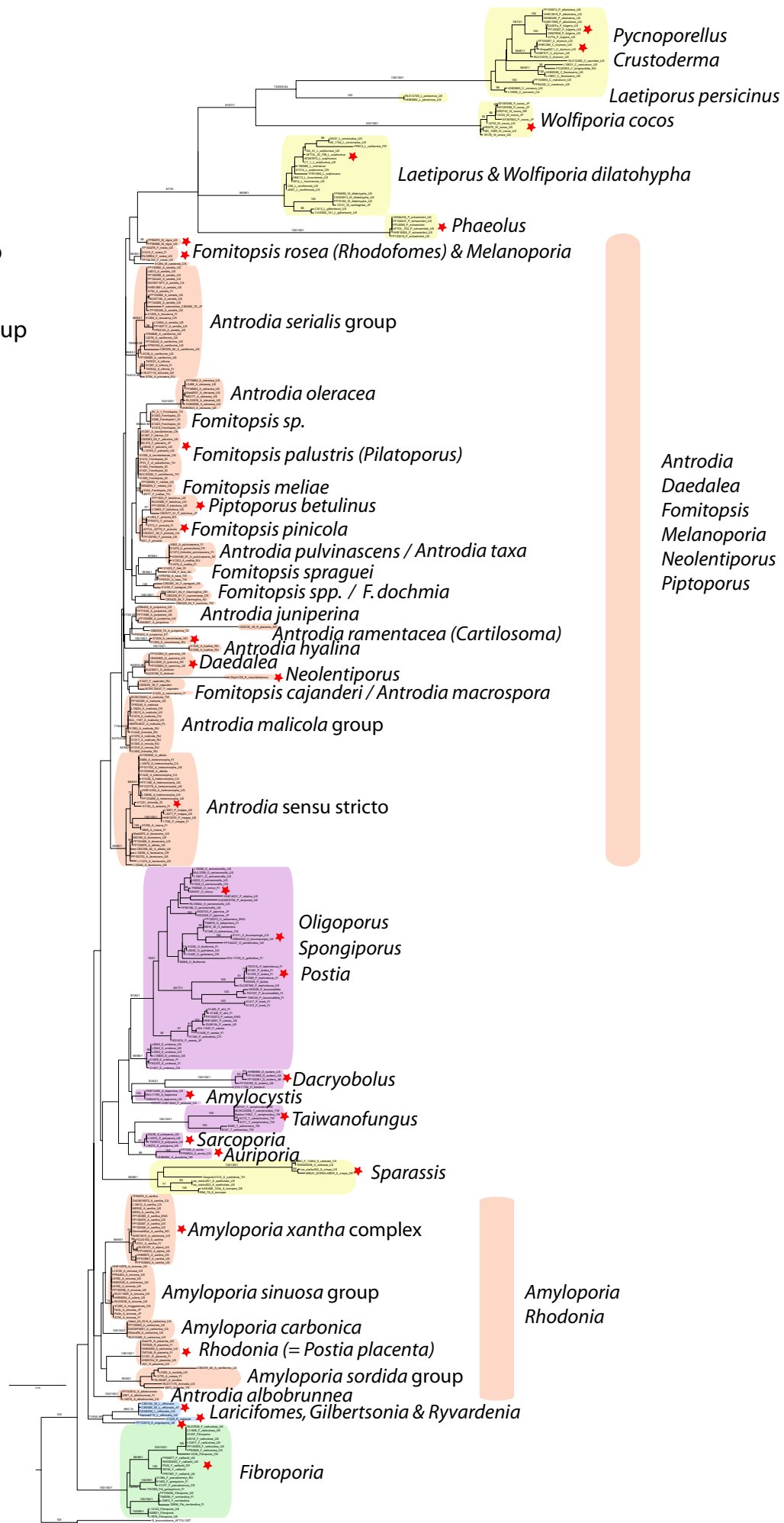
Species	Isolate number	Locality	ITS GenBank accession no.	LSU GenBank accession no.
<i>Postia mappa</i> (Overh. & J. Lowe) M.J. Larsen & Lombard	HHB-13070	USA, Alaska	–	KC585207
	L-3307-R	USA, New York	–	KC585208
	L-3377	USA, New York	KC585377	KC585209
	Penttilä-11756 (=4239)	Finland	KC543113	KC543113
<i>Postia obducta</i> (Berk.) Lombard & Larsen	HHB-13540-Sp	Canada, British Columbia	KC585378	KC585210
<i>Postia sequoiae</i> (Bonar) M.J. Larsen & Lombard	DAOM-F-8755-T	USA, California	KC585379	KC585211
<i>Postia stiptica</i> (Pers.) Jülich	HHB-14031	USA, Alaska	KC585380	KC585212
<i>Postia subcaesia</i> (A. David) Jülich	X1340 (=Miettinen-10637)	China	KC595944	KC595944
<i>Postia tephroleuca</i> (Fr.) Jülich	DLC97-308	USA, Michigan	–	KC585213
	X1288 (=Miettinen-13613)	Finland	KC595946	KC595946
	TN-7315 (=4138)	Finland	KC595945	KC595945
<i>Pycnoporellus alboluteus</i> (Ellis & Everh.) Kotl. & Pouzar	FP-105074-Sp	USA, Colorado	KC585381	KC585214
<i>Pycnoporellus fulgens</i> (Fr.) Donk	HHB-12816-Sp	USA, Alaska	KC585382	KC585215
	HHB-17598-Sp	USA, Alaska	KC585383	KC585216
	OKM-6406-Sp	USA, Montana	KC585384	KC585217
	CA-20(Ta)	USA, California	KC585385	KC585218
	FP-133367-Sp	USA, Oregon	KC585386	KC585219
	OKM-7608-T	USA, Alaska	KC585387	KC585220
	VI-7(Tb)	USA, Wisconsin	KC585388	KC585221
<i>Rhodonía placenta</i> (Fr.) Niemelä, K.H. Larss. & Schigel	JM1	USA, Alaska	KC585389	KC585222
	Dietz7E	USA, California	KC585390	KC585223
	HHB-5104-Sp	USA, Montana	KC585391	KC585224
	X1351	Finland	KC595950	KC595950
	CBS 336.49	Argentina	–	AY515355
	Niemelä-7609 (=3007)	Finland	KC595951	KC595951
	Niemelä-7348 (=4004)	Finland	JQ700293	JQ700293
	P100	Germany	AJ416069	–
	P120 (FPRL 280)	Germany, Berlin	AJ249267	–
	MAD-698	USA, Maryland	AY089735	–
	X1229 (=Hallenberg-15265)	New Zealand	–	KC595952
	NZFS2826	New Zealand	JQ390051	–
	NZFS2828	New Zealand	JQ390052	–
	234-36	USA, Pennsylvania	KC585392	KC585225
<i>Sarcoporia polyspora</i> P. Karst.	L-14910-Sp	USA, New York	KC585393	KC585226
	L-16072-Sp	USA, New York	KC585394	KC585227
	TN-7672 (=4227)	Finland	KC595953	KC595953
	RB8/78/ss22		AY218439	AY218401
<i>Sparassis brevipes</i> Krombh.	ILKKA-96-1044	Germany	AY218441	AY218403
<i>Sparassis crispa</i> (Wulfen) Fr.	MBUH-DORISLABER	Germany	AY218442	AY218404
	zw-clarku003	USA, Massachusetts	AY218430	AY218393
	X950 (=Nummelin 23.IX.2006)	Finland	KC595954	KC595954
	DEDesjardin-7410	Thailand	AY256891	AY256890

Species	Isolate number	Locality	ITS GenBank accession no.	LSU GenBank accession no.
<i>Sparassis radicata</i> Weir	TENN-52558	USA, Washington	AY218450	AY218411
	UBC-F12464	Canada	AY218443	AY218405
<i>Sparassis spathulata</i> (Schwein.) Fr.	zw-clarku001	USA, Massachusetts	AY218428	AY218391
	zw-clarku002	USA, New Hampshire	AY218429	AY218392
<i>Spongiporus leucospongia</i> (Cooke & Harkn.) Murrill	OKM-4335	USA, Idaho	KC585395	KC585228
	X1311 (=Ahonen-37)	USA	KC595955	KC595955
<i>Spongiporus undosus</i> (Peck) A. David	L-10830-Sp	USA, North Carolina	KC585396	KC585229
	L-3350	USA, New York	KC585397	KC585230
	L-3542	USA, New York	KC585398	KC585231
	L-6646	USA, Colorado	KC585399	KC585232
	X1409 (=Miettinen-OMC701)	Finland	–	KC595947
	X1447 (=Dai-2055)	China	KC595948	KC595948
	TN-3275 (=4247)	Finland	KC595949	KC595949
<i>Taiwanofungus camphoratus</i> (M. Zang & C.H. Su) Sheng H. Wu, Z.H. Yu, Y.C. Dai & C.H. Su	ACT1	Taiwan	EU232205	EU232281
	ACT2	Taiwan	EU232204	EU233380
	BCRC-35396	Taiwan	AY378094	AY333844
	Baulon-1106C	Taiwan	JN165025	JN165027
	CMY-01	Taiwan	–	AY333842
<i>Taiwanofungus salmoneus</i> (T.T. Chang & W.N. Chou) Sheng H. Wu, Z.H. Yu, Y.C. Dai & C.H. Su	B147	Taiwan	EU232202	EU232278
	B492	Taiwan	EU232203	EU232279
<i>Wolfiporia cocos</i> (F.A. Wolf) Ryvarden & Gilb.	MD-106-R	USA, Oregon	–	EU402519
	MD-275	USA, Oregon	–	EU402520
	18176	USA, North Carolina	–	KC585233
	14703	USA, Iowa	–	KC585402
	DR-2743	Dominican Republic	–	KC585403
	13125	Japan, Tsukuba	–	KC585404
	K1	Japan	–	EF397598
	KANP. No. 7067	Japan	–	EF397599
	KANP. No. 7233	Japan	–	EF397600
<i>Wolfiporia cartilaginea</i> Ryvarden	13121	Japan, Kyushu	–	KC585405
<i>Wolfiporia dilatohypha</i> Ryvarden & Gilb.	CS-63-59-13-A-R	USA, Kentucky	KC585400	KC585234
	FP-72162-R	USA, Tennessee	EU402556	KC585235
	FP-94089-R	USA, West Virginia	KC585401	KC585236
<i>Boletopsis leucomelaena</i> (Pers.) Fayod	AFTOL-1527		DQ484064	DQ154112
<i>Hydnellum geogenium</i> (Fr.) Banker	AFTOL-680		DQ218304	AY631900

LSU dataset

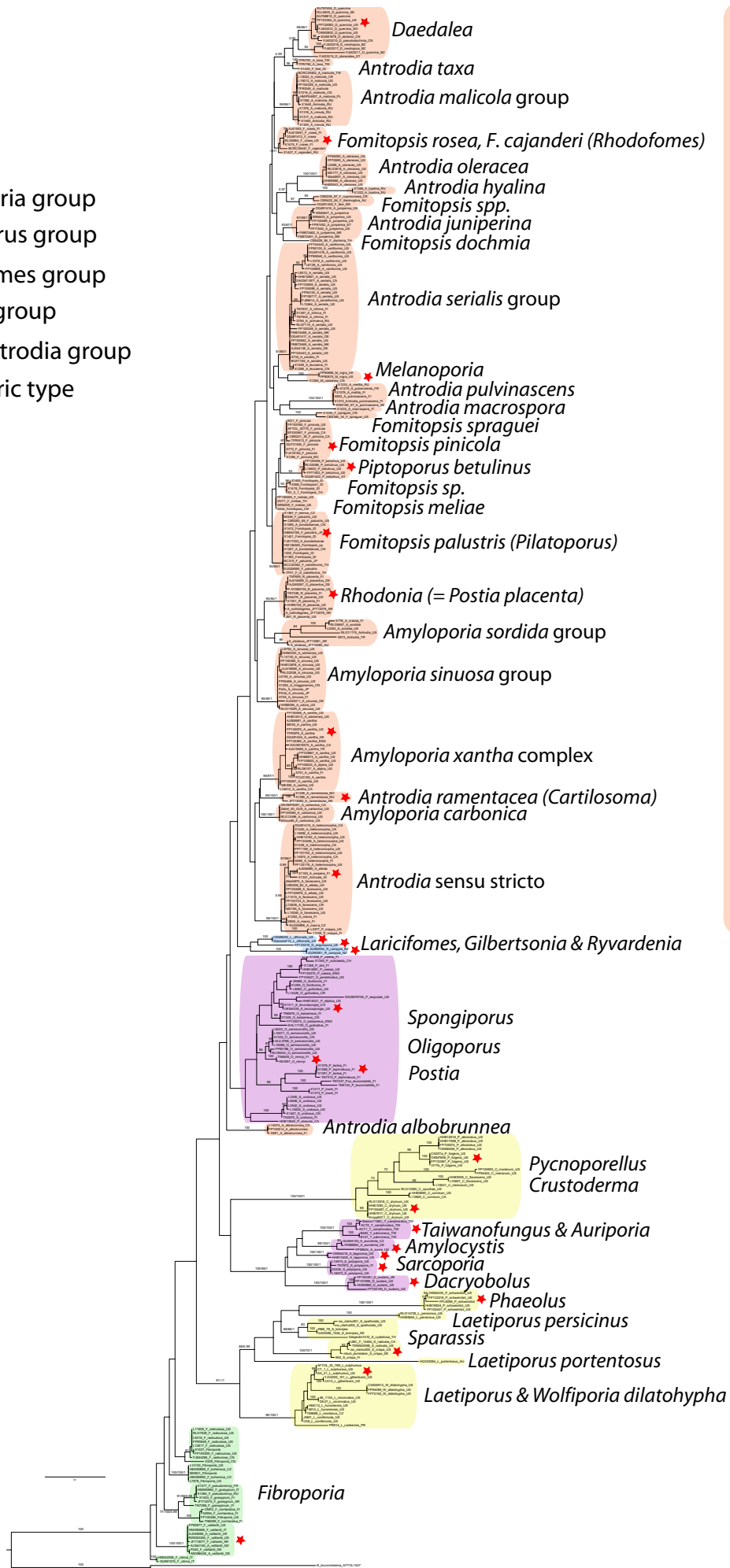
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- laetiporus group
- laricifomes group
- postia group
- core antrodia group

★ = generic type



ITS dataset

- fibroporia group
- laetiporus group
- laricifomes group
- postia group
- core antrodia group
- ★ = generic type



Amyloporia
Antrodia
Daedalea
Fomitopsis
Melanoporia
Piptoporus
Rhodonina

SUPPLEMENTARY FIG. 1. Phylogenetic relationships of members of the antrodia clade inferred from the analyses of the nLSU dataset (rDNA sequences). Topology from maximum likelihood analysis. Support values along branches are from maximum likelihood bootstrap (≥ 70), maximum parsimony bootstrap (≥ 50) and Bayesian analyses (PP ≥ 0.95) respectively. Red star indicates generic types.

SUPPLEMENTARY FIG. 2 . Phylogenetic relationships of members of the antrodia clade inferred from the analyses of the nuclear ITS dataset (rDNA sequences). Topology from maximum likelihood analysis. Support values along branches are from maximum likelihood bootstrap (≥ 70), maximum parsimony bootstrap (≥ 50) and Bayesian analyses (PP ≥ 0.95) respectively. Red star indicates generic types.