

**Supplementary material 1.** Voucher information for taxa included in this study organized according to the classification by Lumbsch and Huhndorf (2010), and to the new classification for the Teloschistales proposed in this study. GenBank ID numbers are provided for sequences retrieved directly from GenBank, whereas GenBank accession numbers are provided for new sequences obtained in this study (indicated in bold). Sequences marked with an asterisk were retrieved directly from the AFTOL database and unpublished. Sequences of *RPB2* are divided into two amplicons (5–7, 7–11). In the Source column GB refers to GenBank as a source of all sequences, and AFTOL followed by numbers refer to the AFTOL database for both published and unpublished sequences.

Classification	Taxon	Source	Locality/ Voucher	ITS	mitSSU	nucLSU	nucSSU	<i>RPB1</i> [A-D]	<i>RPB2</i> [5-7]	<i>RPB2</i> [7-11]	
<b>Lecanoromycetidae</b>											
<b>Caliciales</b>											
<b>Caliciales</b> <b>(Buelliaceae)</b>	<i>Amandinea punctata</i>	AFTOL-1306	Belgium, District Mosan. Lontzen, in the valley of Hohnbach, locality of Hof Semmel. 240 m. IFBL: F8.12.43, large trunk in partial sun on <i>Salix alba</i> on edge of pond, 7.1.2005, leg. D. Ertz 7647 (BR).	336397040	119514131	119513966	119513931	—	194320184	194320184	
	<i>Buellia dispersa</i>	AFTOL-4828	USA, California, San Diego Co., Silverwood Wildlife Sanctuary, Lakeside, N32°55.384', W116°52.385', 538 m elev., substrate: granite boulders, habitat: rock slabs among mixed chaparral with western exposure, 10.9.2003, leg. K. Knudsen 455 (H).	—	—	*JQ301592	*JQ301644	—	—	—	
	<i>Buellia fimbriata</i>	AFTOL-1051	Spain, Almeria, Cabo de Gata, ca 5 km SW of San José, on volcanic rocks, 20.3.2002, leg. C. Scheidegger 140 (DUKE).	—	—	123979305	123979281	123979337	123979417	123979417	
	<i>Buellia frigida</i>	AFTOL-889	Antarctic Peninsula, Killingbeck Island, Ryder Bay, 67°34'S, 68°04'W, leg. F. Seymour Bk-Kb1B-A1-10 (DUKE).	336397041	119514160	113707375	113707362	115186887	113707354	—	
	<i>Buellia stillingiana</i>	AFTOL-571	USA, Massachusetts, Plymouth County, Plymouth, woods SE of Intersection of Plimouth Plantation Hwy. and Sandwich Rd., 41°56.02'N 70°37.67'W (NAD83), W side of trunk ca.1.8 m up, oak-pitch pine forest, 25 m elev., corticolous, on <i>Quercus rubra</i> , 4.2.2004, leg. P. May 474-1 (P. May Herb. - DUKE).	—	119641728	—	119642717	119643744	119644178	119644178	
	<i>Buellia zoharyi</i>	GB	Spain, Canary Islands, leg. Trinkaus 450 (GZU).	17385407	—	—	—	—	—	—	—
		AFTOL-4862	Spain, Madrid, Chinchón, 30TVK627469, 660 m elev., 30.5.2004, leg. A.R. Burgaz s.n. (H).	—	*JQ301533	—	*JQ301645	—	—	—	—
	<i>Dimelaena oreina</i>	GB	Austria, Steiermark, leg. Mayrhofer 13.737 (GZU).	17385406	—	—	21955812	—	—	—	
	<i>Dimelaena radiata</i>	AFTOL-1052/This study	Spain, Almeria, Cabo de Gata, ca 5 km SW von San José. N36°43.5', E1°30', on volcanic rocks, 20.3.2002, leg. C. Scheidegger 140 (DUKE).	*JQ301693	—	*JQ301594	*JQ301647	*JQ301736	<b>JQ301787</b>	*JQ301787	
	<i>Diploicia canescens</i>	GB	Italy, Prov. di Livorno, Isola d'Elba, leg. Triebel & Rambold 6188 (M).	21955818	—	—	21955813	—	—	—	
		GB	Spain, MAF 9587.	—	44307553	—	—	—	—	—	
	<i>Diploptomma albostratum</i>	GB	United Kingdom, Devon, Pudcombe Cove, Coleton, calcareous rock, leg. B. Benfield 0497 3 (UPS).	45503956	—	—	45433322	—	—	—	
		GB	Sweden, leg. Nordin (UPS).	—	—	42494392	—	—	—	—	
	<i>Diploptomma epipolium</i>	GB	Austria, Steiermark, Oststeirisches Huegelland, leg. Mayrhofer & Litterski Nr.13.933 (GZU).	33331916	—	—	34221145	—	—	—	
		AFTOL-4967	Turkey, Prov. Kocaeli (41), coastal rocks near the Black Sea, near Tuzagzi NE of Keften, 41°12'N, 30°19'E, 10 m elev., on calcareous rocks, V. John: Lich. Anat. Exs. 143, 24.7.2002, leg. V. John 10413 & A. Türk (H).	—	*JQ301535	*JQ301595	—	—	—	—	
	<i>Dirinaria applanata</i>	GB	Australia, leg. J. A. Elix 32649 (CANB).	42541311	—	—	—	—	—	—	
		AFTOL-839	Costa Rica, Limon, Cahuita National Park, Sector Puerto Vargas, access road to beach at sea level in coastal rainforest zone, rainforest remnants and secondary beach forest, N43°9', W49°82', sea level, on coconut tree directly along natural beach, 24.3.2003, leg. F. Lutzoni & J. Miadlikowska 03.24.03-13 (DUKE).	—	123979254	123979306	123979282	—	123979419	123979419	

Classification	Taxon	Source	Locality/ Voucher	ITS	mitSSU	nucLSU	nucSSU	<i>RPB1</i> [A-D]	<i>RPB2</i> [5-7]	<i>RPB2</i> [7-11]
	<i>Dirinaria confusa</i>	AFTOL-4843	USA, North Carolina, Carteret Co., Cape Lookout National Seashore, on oak, 2003, leg. Egan 16063 (H).	—	—	—	*JQ301648	—	—	—
	<i>Hafellia disciformis</i>	GB	Wedin M., Baloch E. and Grube M. (2002); Wiklund, E. and Wedin, M. (2003); Wedin M., Doring H., Nordin A. and Tibell L. (2000).	—	33304585	34148715	10998394	—	—	—
	<i>Pyxine soreliata</i>	AFTOL-207/This study	Canada, Quebec, Parc du Saguenay, trail of the caps, N48°17.541', W70°19.923', 96 m elev., on trunk of <i>Betula lutea</i> . Veg type: Acer saccharum with <i>Betula lutea</i> , leg. F. Lutzoni & J. Miadlikowska 07.02.03-18 (DUKE).	<b>JQ301697</b>	123979255	123979307	123979283	—	123979365	123979365
	<i>Pyxine</i> sp.	AFTOL-4981	Netherlands Antilles, Saba, Wells Bay end of North Coast Trail, between road and Mary's Point remains. c. 200 m elev., 63°15.03'W, 17°38.46'N, low secondary forest on ridge, 10.3.2007, leg. H. Sipman 54917 (B).	—	*JQ301539	*JQ301597	*JQ301650	—	—	—
	<i>Pyxine subcinerea</i>	AFTOL-686	USA, NC, Durham County, Durham, in small public park on Anderson st. between Prince and Bivens Sreets, 3.2003, leg. Anja Amtoft 2060 (DUKE).	336397118	119641843	113958958	113958875	113957533	113957205	113957205
	<i>Santessonia soreliata</i>	GB	Namibia, Namib Desert, Namib Naukluft Park, near Swakopmund, leg. C.Kainz 275 (M).	33331960	—	—	45433329	—	—	—
	<i>Texosporium sancti-jacobi</i>	GB	Wedin M., Baloch E. and Grube M. (2002).	33304575	33304589	—	—	—	—	—
		GB	Wedin M. and Tibell L. (1997).	—	—	—	2804619	—	—	—
	<i>Thelomma ocellatum</i>	AFTOL-4982	Germany, Brandenburg, Landkr. Uckermark, NSG Poratzer Moränenlandschaft, W of Luisenau, 75 m elev., MTB 2948/2, ca. 13°46.1'E, 53°02.9'N, on wooden rail along pasture, 24.3.2007, leg. H. Sipman 55039, A. Aptroot & D. Heinrich (B).	—	*JQ301540	*JQ301599	—	—	—	—
	<i>Tholurna dissimilis</i>	GB	Sweden, leg. L. Tibell 22346 (UPS).	42494391	—	44903365	—	—	—	—
		AFTOL-1695	Norway, Oppland, Nordre Land: Nylsfjell, near toppen. 1000 m. UTM WGS84: NN 5297 6915, 30.8.2008, leg. E. Davydov, J. Wesenberg, & A. Zavarzin (O).	—	123979245	—	123979273	—	—	—
<b>(Calicioideae)</b>	<i>Calicium viride</i>	AFTOL-348	Denmark, North Zealand, Asserbo Slotsruin, 6 km N of Frederiksvork, on bark of <i>Aesculus</i> , 10.7.1997, leg. U. Sochting 7475 (DUKE).	336397116	46411451	15216681	15216680	—	—	—
	<i>Cyphelium tigillare</i>	GB	Sweden, Tibell 22719 (UPS).	42494390	—	—	—	—	—	—
		AFTOL-4839	USA, California, Riverside Co., western side of San Jacinto Mountains, bench above south fork of San Jacinto River, 33°43.789'N, 116°48.700'W, 657 m elev., substrate: dead wood of <i>Adenostoma fasciculatum</i> , 16.2.2004, leg. K. Knudsen 877 (H).	—	*JQ301534	*JQ301593	*JQ301646	—	—	—
<b>Physciaceae</b>	<i>Anaptychia palmulata</i>	AFTOL-648	USA, North Carolina, Avery County, Pisgah National Forest, Beech Mountain, Dark Ridge, ca 2.5 miles on Eller Rd. (Old Beech Mtn. Road) from Hwy 194, 36°13'34"N, 81°55'43"W, 1127 m elev., dry deciduous forest, along steep roadside bank with large boulders, on <i>Quercus</i> , 7.3.2004, leg. F. Lutzoni & J. Miadlikowska 03.07.04-8 (DUKE).	336397115	119641702	113958941	113958874	113957513	113957203	113957203
	<i>Anaptychia runcinata</i>	GB	Odelvik & Karlsson 00243; Lohtander K., Ahti T., Stenroos S. and Urbanavichus G.	156467328	156467376	—	—	—	—	—
		GB	Italy, Elba Island, leg. Triebel & Rambold 6162 (M).	—	—	—	21955817	—	—	—
	<i>Heterodermia hypoleuca</i>	GB	South Korea, leg. Hur 050017.	155624195	—	—	—	—	—	—
		GB	USA, North Carolina, Sochting 7207 (C).	—	—	39752537	39752558	—	—	—

Classification	Taxon	Source	Locality/ Voucher	ITS	mitSSU	nucLSU	nucSSU	RPB1[A-D]	RPB2[5-7]	RPB2[7-11]
	<i>Heterodermia vulgaris</i>	AFTOL-320	Costa Rica, Cartago Station 2 Irazu Nat. Park, flanks of volcano Irazu, km 26 on roadside at bridge from Cartago to summit, N56°9', W51°83', 2600 m elev., upper montane rainforest zone, gallery forest remnants along pasture, among high grasses, shady, wet exposure, corticolous on branches of large trees, 22.3.2003, leg. F. Lutzoni, J. Misadlikowska & R. Lucking 03.22.03-19 (DUKE).	336397117	119641738	113958938	—	113957475	113957174	113957174
	<i>Hyperphyscia adglutinata</i>	GB	Moberg 12045; Lohtander K., Kallersjö M., Moberg R. and Tehler A. (2000).	9623149	—	—	—	—	—	—
		GB	Germany, Baden-Wuerttemberg, Markgraeflerland, Muellheim, bark of the stem of an <i>Aesculus hippocastanea</i> , leg. P. Dornes # 411b (P. Dornes Herb.).	—	—	45433323	—	—	—	—
	<i>Phaeophyscia orbicularis</i>	AFTOL-1308/This study	Belgium, District Mosan, Lontzen, in the valley of Hohnbach, locality of Hof Semmel, 240 m elev., IFBL:F8.12.43, large trunk in partial sun on <i>Fraxinus excelsior</i> , 7.1.2005, leg. D. Ertz 7648 (BR).	<b>JQ301694</b>	119641752	119643263	119642739	119643767	119644182	119644182
	<i>Physcia aioplia</i>	AFTOL-84	Texas, Mason Co., Hillis Fly Gap Ranch, ca. 8 km SW of Pontotoc. 30°52'25"N, 99°02'52"W, on <i>Quercus</i> , 2.6.2002, leg. D.M. Hillis (DUKE).	110666872	119641781	110666889	110666958	110669619	110666972	110666972
	<i>Physcia dubia</i>	This study	Finland, Uusimaa, Kirkkonummi, Porkkala, Vetokannas, 59°59'N, 24°24'E, 2 m elev., on rocks along sea shore, abundant, 16.10.2009, leg. T. Ahti 69359, S. Stenroos & R. Pino (H).	<b>JQ301695</b>	<b>JQ301536</b>	<b>JQ301596</b>	—	<b>JQ301737</b>	—	<b>JQ301788</b>
	<i>Physcia stellaris</i>	GB	D. Simon; University of Iowa.	62720610	—	62238488	—	—	—	—
		GB	Moberg 12012; Lohtander, K.	—	209490498	—	—	—	—	—
		GB	2001, Chen & Hu 21307.	—	—	—	49781181	—	—	—
	<i>Physconia enteroxantha</i>	GB	Urbanavichus T-0172 (H); Lohtander K., Ahti T., Stenroos S. and Urbanavichus G.	156467319	156467368	—	—	—	—	—
		AFTOL-4808	Finland, Uusimaa, Askola, Monninkylä, Arola, <i>Salix</i> (cult.) in farmyard, Natl. Grid Ref.: 67099:4205, 6.4.2005, leg. T. Ahti 64053 (H).	—	—	—	*JQ301649	—	—	—
	<i>Physconia muscigena</i>	AFTOL-220/This study	Canada, Nunavut, Iqaluit, at edge of small pond to the right of end of runway when looking from town, N63°45.792', W68° 33.553', 52 m elev., on mosses in small cavities in rocky cliffs, <i>Physconia</i> and mosses, 12.7.2003, leg. F. Lutzoni & J. Miadlikowska 07.12.03-18 (DUKE).	<b>JQ301696</b>	119641807	138368959	119642763	119643791	119644195	119644195
	<i>Physconia perisidiosa</i>	GB	Esslinger 15399 (Esslinger Herb.).	38201835	—	—	—	—	—	—
		AFTOL-4869	Spain, Cádiz, Alcalá de los Gazules, El Picacho, Parque Natural de los Alcornocales, 30STF626448, 348 m elev., 21.9.2004, leg. A.R. Burgaz s.n. (H).	—	*JQ301537	—	—	—	—	—
		GB	Simon D., Moline J., Helms G., Friedl T. and Bhattacharya D. (2005).	—	—	54873368	—	—	—	—
		GB	Germany, Pullach, Muenchen, leg. Friedl (GOET).	—	—	—	21955929	—	—	—
	<i>Physconia venusta</i>	GB	Motiejunaite 2983 (H).	156467311	—	—	—	—	—	—
		AFTOL-4868	Spain, Jaén, Barranco de Valdeazores, Parque Natural de Despeñaperros, 30SVH556503, 675 m elev., 9.5.2005, leg. A.R. Burgaz s.n. (H).	—	*JQ301538	—	—	—	—	—
	<i>Rinodina gemmarii</i>	GB	Netherlands, Utrecht, on trunk of <i>Aesculus</i> sp. (B 44435).	28460635	—	—	—	—	—	—
		AFTOL-4829	USA, California, San Diego Co., Torrey Pines, leg. Knudsen 1338 (H).	—	—	*JQ301598	—	—	—	—
		GB	Greece, Cyclades Archipelago, Paros, gneissic rock, leg. H.Sipman & T. Raus 43369 (B).	—	—	—	45433328	—	—	—

Classification	Taxon	Source	Locality/ Voucher	ITS	mitSSU	nucLSU	nucSSU	RPB1[A-D]	RPB2[5-7]	RPB2[7-11]
	<i>Rinodina tephrae</i>	AFTOL-1314	USA, North Carolina, Wake County, Cedar Fork of Little River, ca. 5mi. SE of Wake Forest, mature alluvial forest, sunny, 35°54'59"N, 78°23'22"W, ca. 99 m elev., on granite outcrop, 12.2.2005, G. Perlmutter 68 (DUKE).	—	119641870	138368962	119642787	119643816	119644217	119644217
	<i>Tornabea scutellifera</i>	AFTOL-1061/This study	Canary Islands, Gran Canaria, 6 NW of Telde, Pico de Bandama, summit of volcano, 750 m elev., on the vertical face of a wall, 3.6.2004, leg. P. Diederich 15884 (Diederich Herb.- DUKE).	<b>JQ301698</b>	123979256	123979308	123979284	123979339	—	—
<b>Teloschistales</b>										
<b>(Letrouitineae)</b>										
<b>Brigantiaaceae</b>	<i>Brigantiaea</i> cf. <i>leucoxantha</i>	This study	Mascarene Islands, La Réunion, SW of St-André, N edge of Forêt Domaniale de la Plaine des Lianes, E-W trail, s of Cascade du Chien to Abri, boulders and outcrops in stream 'Bras des Lianes', tropical forest, 55°36.7'E 21°01.7S, 730 m elev., on Guave, 5.6.2008, leg. P. & B. v.d. Boom 40691, D. & M. Brand, E. Sérusiaux (P.v.d. Boom Herb.).	<b>JQ301654</b>	<b>JQ301477</b>	<b>JQ301542</b>	<b>JQ301602</b>	<b>JQ301703</b>	—	—
	<i>Brigantiaea</i> cf. <i>tricolor</i>	This study	Mascarene Islands, La Réunion, NW of Plaine-des-Palmistes, NW side of Forêt de Bébour, trail GR R1 from Gite de Bélouve, c. 3.5km to the south-west, to Caverne Mussard, 1980 m elev., well-lit area with mixed shrubs, including <i>Philippia</i> sp., on <i>Phyllia</i> sp., 2.6.2008, leg. P. & B. v.d. Boom 40492, D. & M. Brand & E. Sérusiaux (P.v.d. Boom Herb.).	<b>JQ301655</b>	—	<b>JQ301543</b>	<b>JQ301603</b>	<b>JQ301704</b>	—	<b>JQ301739</b>
	<i>Brigantiaea fuscolutea</i>	This study	USA, Alaska, N of Skagway, White Pass, alpine, 59°36.833'N, 135°09.003'W, 948 m elev., over rocks on detritus in dry snowbed, 1.8.2008, leg. T. Spribille 26961 (GZU).	—	<b>JQ301478</b>	<b>JQ301544</b>	<b>JQ301604</b>	<b>JQ301705</b>	—	<b>JQ301740</b>
	<i>Brigantiaea leucoxantha</i>	This study	Alabama, Escambia Co., Andalusia Area, Solon-Dixon Forestry Education Center, sinkhole beneath Cave Rd., N31°11'15", W86°41'50", montane rainforest, 14.4.2007, leg. E. Gaya 17 (DUKE).	—	<b>JQ301479</b>	—	—	—	<b>JQ301741</b>	—
		AFTOL-4883	Netherlands Antilles, Saba, Sandy Cruz Trail, near junction with All Too Far Trail, c. 600 m elev., 63°14.25'W, 17°38.39'N, low secondary forest on steep slope, on tree fern stem, 9.3.2007, leg. H. Sipman 54869 (B).	—	—	*JQ301545	—	—	—	—
	<i>Brigantiaea sorediata</i>	AFTOL-4962	Japan, Honshu, Prov. Iwashi (Pref. Fukushima), en route from Miike to Hirosawatashiro, N slope of Mt. Hiuchi, Hinoemata-mura, Minami-aizu-gun, on bark of <i>Chamaecyparis obtusa</i> , about 1650 m elev., 7.10.2001, leg. H. Kashiwadani 44106 (Lich. minus cogniti exs. 226), isotype (H).	—	*JQ301480	*JQ301546	*JQ301605	—	—	—
	<i>Brigantiaea tricolor</i>	This study	Indonesia, West Java, Cibodas, Botanical Garden, 1400 m elev., on tree, 6-8.9.2003, leg. L. sudirman & H. Sipman 51473 (B).	<b>JQ301656</b>	—	—	—	—	—	—
<b>Letrouitiaceae</b>	<i>Letrouitia domingensis</i>	This study	Dominican Republic, Duarte prov., NE of San Francisco de Macoris, Reserva Científica, SSE slope of Loma Quita Espuela, starting point at 'Rancho Don Lulu', trail in cocoa plantation with mature trees, 70°08.80'W 19°20.43'N, 400 m elev., on coffee shrub, 4.2.2008, leg. P. & B. v.d. Boom 39385 (P.v.d. Boom Herb.).	<b>JQ301673</b>	<b>JQ301505</b>	<b>JQ301569</b>	<b>JQ301625</b>	<b>JQ301719</b>	<b>JQ301764</b>	<b>JQ301764</b>
	<i>Letrouitia flavidula</i>	This study	Costa Rica, Puntarenas, Las Tablas Protection Zone, La Neblina Section, La Amistad Pacifico Conservation Area, Talamanca Ridge, 25 km ENE of San Vito near Las Mellizas, access road to fincas, 82° 45' W, 8° 55' N, 1600 m elev., montane rainforest zone, disturbed primary forest, on bark (lower trunk), June 27, 2002, R. Lücking 15128 (F).	<b>JQ301674</b>	<b>JQ301506</b>	—	—	—	—	—
	<i>Letrouitia parabola</i>	This study	Alabama, Escambia Co., Andalusia Area, Solon-Dixon Forestry Center, montane rainforest, on <i>Fagus americana</i> , 14.4.2007, leg. E. Gaya 11 (DUKE).	<b>JQ301675</b>	<b>JQ301507</b>	<b>JQ301570</b>	<b>JQ301626</b>	<b>JQ301720</b>	—	<b>JQ301765</b>

Classification	Taxon	Source	Locality/ Voucher	ITS	mitSSU	nucLSU	nucSSU	RPB1[A-D]	RPB2[5-7]	RPB2[7-11]
	<i>Letrouitia subvulpina</i>	This study	Costa Rica, Guanacaste, Reserva Biológica Lomas de Barbudal (AC Tempisque), 140 km WNW of San José, trail from Estación to rio Barbudal, 85°22'W 10° 30'N, gallery forest and dry deciduous forest remnants, on trunk, 29.3.2003, leg. H. Sipman 51037e (B).	JQ301676	—	—	—	—	—	—
	<i>Letrouitia transgressa</i>	This study	Costa Rica, Puntarenas: Parque Nacional Corcovado (AC Osa), Estación biológica Sirena, 160 km SSE of San José, beach E of airstrip, 83°36'W 8°28'N, disturbed coastal forest and exposed trees along beach, corticolous, on thin trunk, 7.5.2003, leg. H. Sipman 51152a (B).	—	JQ301508	—	—	—	—	—
	<i>Letrouitia vulpina</i>	This study	Mascarene Islands, La Réunion, Cirque de Cilaos, N of Cilaos, Forêt du Grand Matarum, trail GR R1, to Caverne Dufour, tropical rainforest, first part, from parking lot along road to Bras sec, up to 200 m in the forest, 55°29.2'E 21°07.3'S, 1420 m elev., on strong sloping trunk, 31.5.2008, leg. P. & B. v.d. Boom 40279, D. & M. Brand & E. Sérusiaux (P.v.d. Boom Herb.).	JQ301677	JQ301509	JQ301571	JQ301627	JQ301721	—	JQ301766
<b>(Teloschistineae)</b>										
<b>Megalosporaceae</b>	<i>Megaloblastenia marginiflexa</i>	This study	Mascarene Islands, La Réunion, NW of Plaine-des-Palmistes, N side of Forêt de Bébour, Forêt de Bélouve (W), near Gite de Bélouve, 55°32.50'E 21°03.50'S, 1520 m elev., area with mature Acacia heterophylla trees in mixed forest along road and path, on small tree, 27.5.2008, leg. P. & B. v.d. Boom 39805, D. & M. Brand & E. Sérusiaux (P.v.d. Boom Herb.).	JQ301678	JQ301510	JQ301572	—	JQ301722	—	JQ301767
	<i>Megalospora admixta</i>	This study	Ecuador, Zamora-Chinchipec. Nature Reserve of Estación Científica San Francisco. S of road Loja-Zamora, ca. 40 km from Loja, 79°04'W 3°58'S, 2020 m elev., primary montane forest on steep slope, Hyeronima asperifolia, on canopy twigs, 18.6.2004, leg. H. Sipman 52536 (B).	—	JQ301511	—	—	—	—	—
	<i>Megalospora coccodes</i>	This study	Thailand, Chiang Mai, doi Suthep-Pui National Park, Highest point, Sun Ku, 98°53.74'E 18°48.88'N, 1575 m elev., forest relics near temple, 14.10.2002, leg. H. Sipman 48671 (B).	JQ301679	JQ301512	—	—	—	—	—
	<i>Megalospora pruinata</i>	This study	Indonesia, West Java, Cibodas, Botanical Garden, 1400 m elev., on Magnolia grandiflora, 6-8.9.2003, leg. L. Sudirman & H. Sipman 51496 (B).	JQ301680	JQ301513	—	—	—	—	—
	<i>Megalospora sulphurata</i>	GB	USA, Hawaii, leg. Weber & Bujakiewicz L-73248 (US).	—	—	—	4731130	—	—	—
	<i>Megalospora sulphurata</i>	This study	Mascarene Islands, La Réunion, NW of Plaine-des-Palmistes, Forêt de Bébour, trail in tropical rainforest, from main road, just N of Col de Bébour, to Cassé de Takamaka, 1340 m elev., on Dombeya, 1.6.2008, leg. P. v.d. Boom 40349, M. Brand & E. Sérusiaux (P.v.d. Boom Herb.).	JQ301681	JQ301514	JQ301573	—	—	—	JQ301768
	<i>Megalospora tuberculosa</i>	AFTOL-107	Costa Rica, Puntarenas, Zona Protectora Las Tablas (AC Amistad Pacifico), Los Portones, 25 km ENE of San Vito, 5 km on gravel road from Progreso to Las Tablas, roadside, 82° 48'W, 8°55'N, 1600 m elev., 28.6.2002, leg. H. Sipman 47933 (DUKE).	336397114	46411388	46411439	46411415	113707385	113957833	113957833
	<i>Megalospora tuberculosa</i> gr.	This study	Dominican Republic, Puerto Plata prov., S of Puerto Plata, National Park 'Isabel de Torres', Pico Isabel de Torres, botanical garden with damp and open forest mixed trees and shrubs, 770 m elev., on tree, 29.1.2008, leg. P. & B. v.d. Boom 39047 (P.v.d. Boom Herb.).	JQ301682	JQ301515	JQ301574	JQ301628	JQ301723	—	JQ301769
	<i>Sipmaniella sulphureofusca</i>	This study	Ecuador, Zamora-Chinchipec. Nature Reserve of Estación Científica San Francisco. S of road Loja-Zamora, ca. 40 km from Loja, 79°04'W 3°58'S, 1945 m elev., primary montane forest on steep slope, Prunus huantensis, on canopy, 2.7.2004, leg. H. Sipman 53087 (B).	—	JQ301504	JQ301568	JQ301624	—	—	—

Classification	Taxon	Source	Locality/ Voucher	ITS	mitSSU	nucLSU	nucSSU	RPB1[A-D]	RPB2[5-7]	RPB2[7-11]
<b>Teloschistaceae (Caloplacoideae)</b>	<i>Caloplaca carphinea</i>	GB	Spain, Catalonia, Girona prov., Alt Empordà, P.N. Cap de Creus, Roses, near Puig del Gall, above Mas de la Torre del Sastre, Jóncols road, 31TEG1777, 200-300 m elev., quartzite blocks, 11.1.2001, leg. E. Gaya 201, X. Llimona & M. De Caceres (BCN 13714).	183585215			—		—	
		This study	Spain, Catalonia, Girona prov., Alt Empordà, P.N. Cap de Creus, Roses, near Puig del Gall, above Mas de la Torre del Sastre, Jóncols road, 31TEG1777, 200-300 m elev., siliceous rocks (quartzite), 4.1.2008, leg. E. Gaya, S. Fernández-Brime 542 & X. Llimona (BCN).		JQ301482	JQ301548	—	JQ301707	—	JQ301743
	<i>Caloplaca cerina</i>	This study	USA, Alaska, Elliott Hway, N65°17.229, W148° 11.537, 400 m elev., ca. mile 40, on aspen, 22.7.2007, leg. E. Gaya, J. Geml, J. Gomà (DUKE).	JQ301658	JQ301483	JQ301549	—	—	JQ301744	—
	<i>Caloplaca chalybaea</i>	This study	Sweden, Gotland, Östergarn par., Österganberget, 57°25'30''N 18°50'24''E, 33 m elev., on calcareous rocks, 14.8.2006, leg. E. Gaya, P. Navarro-Rosinés, U. Arup, U. Sochting, N. Hladun, A. Gómez-Bolea (BCN).	JQ301659	JQ301484	JQ301550	JQ301607	JQ301708	—	JQ301745
	<i>Caloplaca chlorina</i>	GB	Bulgaria, Rhodope Mountains, Haskovo Madzharovo, on rocks, leg. J. Vondrák 2055 (CBFS).	164520653			—	—	—	
		This study	Czech Republic, Blanský les upland, Český Krumlov, Staré Dobrkovice, protected area 'Kalamandra', 530 m elev., on lime-rich gneiss outcrops in forested S-faced slope, 17.4.2006, leg. J. Vondrák 4307 (CBFS).		JQ301486	—	—	—	—	JQ301747
	<i>Caloplaca cinnamomea</i>	This study	Iceland, Sudur-Thingeyjarsýsla County, Laxardalur Valley, by Laxa river close to abandoned farm Brettingsstadir, 65°38'24'' N, 17°09'48'' W, on mosses on soil on big lava extrusion, about 50 m from river, 8.6.2006, leg. F. Lutzoni & C. Gueidan 06.08.07-1 (DUKE).	—	JQ301487	JQ301552	JQ301609	JQ301710	—	JQ301748
	<i>Caloplaca crenularia</i>	This study	Sweden, Bohuslän, Kungshamn par., Sunnerskär, 58°19'42.53''N 11°14'48.12''E, 5 elev., granitic islands, 11.8.2006, leg. E. Gaya, P. Navarro-Rosinés, U. Arup, U. Sochting, N. Hladun, A. Gómez-Bolea (BCN).	JQ301661	JQ301489	—	JQ301611	JQ301711	—	JQ301750
	<i>Caloplaca flavorubescens</i>	GB	We6140; Kasalicky T., Doering H., Rambold G. and Wedin M. (2000).	13810817		13810817		—	—	—
		GB	Wedin M., Baloch E. and Grube M. (2002); Wedin M., Doring H., Nordin A. and Tibell L. (2000).			33304587		10998391	—	—
	<i>Caloplaca furax</i>	This study	Spain, Catalonia, Girona prov., Alt Empordà, P.N. Cap de Creus, Roses, near Puig del Gall, above Mas de la Torre del Sastre, Jóncols road, 31TEG1777, 200-300 m elev., siliceous rocks (quartzite), 4.1.2008, leg. E. Gaya, S. Fernández-Brime 557 & X. Llimona (BCN).	JQ301662	JQ301490	JQ301554	JQ301612	—	JQ301751	JQ301751
	<i>Caloplaca gloriae</i>	GB/This study	Spain, Almería, P.N. Cabo de Gata, San José, Monsul beach, 30SWF7565, volcanic rock, 15 m elev., 16.9.2000, leg. V. Calatayud s.n. (BCN).	183585209	JQ301491					
		This study	Spain, Almería, ESE of Almería, Sierra del Cabo de Gata, SW San José, path between Casa Mónsul to Torre de Vela Blanca, small valley (N-S), NE exposed sloping outcrops, 2°10.14'W 36°43.85'N, 75 m elev., volcanic outcrops, 6.9.2007, leg. P. & B. v.d. Boom 38420 (P.v.d. Boom Herb.).			JQ301555	JQ301613	JQ301712	JQ301752	JQ301752
	<i>Caloplaca isidiigera</i>	This study	Slovakia, Low Tatras mountains, eastern part of mountains range, mount Velký bok, small limestone outcrops near tourist trail on south slope, 48°56'03.35''N 19°52'53.44''E, 1560 m elev., limestone outcrops, 14.8.2007, leg. J. Šoun (CBFS).	—	JQ301492	JQ301556	—	JQ301713	—	JQ301753

Classification	Taxon	Source	Locality/ Voucher	ITS	mitSSU	nucLSU	nucSSU	<i>RPB1</i> [A-D]	<i>RPB2</i> [5-7]	<i>RPB2</i> [7-11]
	<i>Caloplaca scortophila</i>	This study	Spain, Almería, ESE of Almería, Sierra del Cabo de Gata, path W of Torre de Vela Blanca to lighthouse, small hill, NE exposed sloping outcrops, 2°10.46'W 36°43.82'N, 150 m elev., 6.9.2007, leg. P. & B. v.d. Boom 38386 (P. v.d. Boom Herb.).	JQ301664	JQ301496	JQ301560	JQ301617	JQ301714	—	JQ301755
	<i>Caloplaca scotoplaca</i>	This study	Sweden, Bohuslän, Askums par., Vägga, Lökås, near Kugshamn, 58°21'58.36"N 11° 17'01.19"E, 22 m elev., siliceous rocks, 11.8.2006, leg. E. Gaya, P. Navarro-Rosinés, U. Arup, U. Sochting, N. Hladun, A. Gómez-Bolea (BCN).	JQ301665	JQ301497	JQ301561	JQ301618	JQ301715	—	JQ301756
	<i>Caloplaca thallicola</i>	This study	Sweden, Halland, Varberg, Vendelsö island, 57°17'54.53"N 12° 07'29.68"E, 0-2 m elev., on siliceous rocks, 9.8.2006, leg. E. Gaya, P. Navarro-Rosinés, U. Arup, U. Sochting, N. Hladun, A. Gómez-Bolea (BCN).	JQ301667	JQ301498	JQ301563	JQ301620	—	—	JQ301758
	<i>Caloplaca thracopontica</i>	This study	Turkey, Black Sea Coast, Sinop, coastal rocks on NE coast of peninsula, 42°01'57.81"N 35°11'34.42"E, 130 m elev., on volcanic rocks, 21.4.2007, leg. J. Soun (CBFS).	JQ301668	JQ301499	—	JQ301621	—	—	JQ301759
	<i>Caloplaca xantholyta</i>	This study	Greece, Crete, Imbros Gorge, 24°09.5'E 35°14'N, 400-700 m elev., on calcareous rock walls, 7.5.2004, leg. T. Spribille 12970 (B).	JQ301670	JQ301501	JQ301565	—	—	—	JQ301761
	<i>Fulgensia bracteata</i>	GB	K141, Kasalicky T., Doering H., Rambold G. and Wedin M. (2000).	13810787	—	—	—	—	—	—
		AFTOL-4844	Estonia, Saaremaa, Sörve, Kaugatuma alvar, on dry places along road, on soil, 15.6.2004, leg. P. Alanko 121555 (H).	—	*JQ301502	*JQ301566	—	—	—	—
	<i>Fulgensia desertorum</i>	GB	SPAIN, Catalonia, Lleida prov., Segarra, Torà, timoneda per sobre el poble, Lo Calvari, costat antena, orient. E, 27.04.2002, leg. E. Gaya 395, J. Torra, A. Pérez & M. Galvany (BCN).	183585205	—	—	—	—	—	—
	<i>Fulgensia fulgens</i>	This study	Sweden, Öland, Hulterstad par., 1.5 km WNW of Gösslunda, N from the road, 56°29'33.84"N 16°30'41.96"E, 33 m elev., calcareous soils and rocks (Ordovician), 12.8.2006, leg. E. Gaya, P. Navarro-Rosinés, U. Arup, U. Sochting, N. Hladun, A. Gómez-Bolea (BCN).	JQ301671	JQ301503	JQ301567	—	JQ301717	—	JQ301762
		AFTOL-4876	Spain, Madrid, Chinchón, 30TVK627469, 660 m elev., 30.5.2004, leg. A.R. Burgaz s.n. (H).	—	—	—	*JQ301623	—	—	—
	<i>Ioplaca pindarensis</i>	This study	China, Yunnan prov., Dali co., Mt. Cangshan, 3150-3500 m elev., sclerophyll shrub on steep mountains slopes, on shale, leg. A. Aptroot 56827 (ABL).	JQ301672	—	—	—	JQ301718	JQ301763	—
	<i>Seiophora contortuplicata</i>	GB	Spain, Catalonia, Girona prov., Ripollès, Queralbs, Vall de Núria, between Torrent de Noucreus and la Coma de les Mulleres, 31TDG3195-3295, 2200-2400 m elev., decalcified surfaces of calcoschists boulders, NW orient., 2.9.2000, leg. P. Navarro-Rosinés & E. Gaya 199 (BCN 13686).	183585234	—	—	—	—	—	—
		This study	Iran, Khorassan prov., c. 20 km on the road from Rivash to Kashmar, Shotor Rah pass, 58°29'E 35°24'N, 1800m elev., volcanic rocks, leg. A.A. Maassoumi, M. Sohrabi & S.R. Safavi 2275 (B).	—	JQ301516	—	—	—	—	JQ301770
	<i>Seiophora lacunosa</i>	This study	Spain, Alacant, Les Salines d'Elda, at margins of seasonal lagoon, 30SXH86, 500 m elev., on soil, 28.3.2002, leg. A. Pérez s.n. (BCN, herb. Gaya 391).	JQ301683	JQ301517	JQ301575	—	JQ301724	JQ301771	JQ301771
(Xanthorioideae) 'Teloschistoid' clade	<i>Caloplaca chilensis</i>	This study	Chile, P.N. Fray Jorge, IVrta Región, 30°39'48"S 71°4'23.7", 455 m elev., on twigs, 5.2008, leg. D. Stanton 0212-0508 (SGO).	JQ301660	JQ301485	JQ301551	JQ301608	JQ301709	—	JQ301746
	<i>Teloschistes chrysophthalmus</i>	GB/This study	Spain, Catalonia, Tarragona prov., Conca de Barberà, Vimbodi, Barranc de Castellfolit, 550-650 m elev., 31TCF3780-3781, on Quercus ilex ssp. ballota, 18.1.2001, leg. E. Gaya 200b & X. Llimona (BCN 13687).	183585272	JQ301518	JQ301576	JQ301629	JQ301725	JQ301772	JQ301772
	<i>Teloschistes exilis</i>	This study	USA, Texas, Mason co., Double Helix Ranch, 411 m elev., 30°52'28"N 99°02'53"W, 26.05.07, on bark, D. Hillis 07-726 (DUKE).	JQ301684	JQ301519	JQ301577	JQ301630	JQ301726	JQ301773	JQ301773

Classification	Taxon	Source	Locality/ Voucher	ITS	mitSSU	nucLSU	nucSSU	<i>RPB1</i> [A-D]	<i>RPB2</i> [5-7]	<i>RPB2</i> [7-11]
	<i>Teloschistes flavicans</i>	AFTOL-315	Cartago, Costa Rica Station 2 Irazu, volcano flanks of volcano Irazu, km 14 on road from Cartago to summit, on each side of bridge. N56° 9' W51° 83', 2600 m elev., upper montane rainforest zone, gallery forest remnants along pasture, on live fallen branches of large tree, open grassy vegetation with one stand of tree, leg. F. Lutzoni, J. Miadlikowska, R. Lucking 03.22.03-13A (DUKE).	*JQ301685	*JQ301520	*JQ301578	*JQ301631			
		This study	USA, Santa Barbara county, Santa Cruz Island, east end along Navy road, between gate and Navy quarters used by NPS, on ridge east of Chinese Harbor, 34°00'09"N 119°36'54"W, oak stand, on Quercus pacifica, 15.6.2007, leg. I.M. Brodo 31929.					JQ301727	JQ301774	JQ301774
	<i>Teloschistes hosseustianus</i>	This study	Argentina, Villaciencio, 1.12.2007, leg. W.F. Morris (DUKE).	JQ301686	JQ301521	JQ301579	JQ301632	JQ301728	—	JQ301775
	<i>Xanthoria andina</i>	GB	Argentina, 19. xi.1992 Scutari (C)			39752524	39752547			
	<i>Xanthoria</i> sp.	This study	Bolivia, Dpto. La Paz, Prov. Murillo, Laguna de Cota – Cota (calle 31), sector frente a la puerta principal, 16°32'24.8"S 68°04'01.7"W, 3750 m elev., Puna and Altoandina vegetation, on Populus balsamifera, 8.2.2002, leg. Canseco A-113 (LPB-B).	JQ301692	JQ301532	JQ301591	JQ301643	—	JQ301786	JQ301786
'Xanthorioid' clade	<i>Caloplaca arnoldii</i> ssp. <i>obliterata</i>	This study	Sweden, Halland, Varberg, Vendelsö island, 57°17'54.53"N 12° 07'29.68"E, 0-2 m elev., on siliceous rocks, 9.8.2006, leg. E. Gaya, P. Navarro-Rosinés, U. Arup, U. Sochting, N. Hladun, A. Gómez-Bolea (BCN).	JQ301657	JQ301481	JQ301547	JQ301606	JQ301706	JQ301742	JQ301742
	<i>Caloplaca coronata</i>	GB	Spain, Catalonia, Lleida prov., Segarra, Torà, sun-lit calcareous boulders, 1.9.2000, leg. E. Gaya 394 (BCN).	183585252				—		—
		This study	Spain, Almería, ENE of Almería, N rim of Sierra Cabrera, W of Mojácar, W of Turre, road AL150, near bridge over Rio de Aguas, 1°55'97"W 37° 08' 48"N, 90 m elev., N exposed rocky and grassy slope with some shrubs and Chamareops humilis, terricolous and mostly low outcrops, on vertical shaded low outcrop, 5.9.2007, leg. P. & B. v.d. Boom 38374 (P.v.d. Boom Herb.).		JQ301488	JQ301553	JQ301610	—	JQ301749	—
	<i>Caloplaca decipiens</i>	GB	USA, Nebraska, Sioux County, Agate Fossil Beds National Monument. Stenomylus, Quarry unit SE of main park unit. Bluffs with sandstone cap, 4620 ft. elev., Sec. 12, T28N, R55W, 42°24'38"N, 103°41'38"W, 8.7.1997, leg. C. Wetmore 77865 (MIN).	183585258	—			—	—	—
		GB	Denmark, 1.4.1995, leg. U. Sochting (C).		—	39752525	39752538	—	—	—
	<i>Caloplaca marina</i>	GB	U. Arup and M. Grube (1999).	13242210				—	—	—
		AFTOL-4819	Finland, Uusimaa, Kirkkonummi, Porkkala, Vetokannas, 59°59'N, 24°25'E, on bare seashore cliffs, 7.4.2005, leg. S. Stenroos 5686 (H).		*JQ301493	*JQ301557	*JQ301614	—	—	—
	<i>Caloplaca ochracea</i>	This study	Spain, Catalonia, Figols i Alinyà, obaga de la tassa de Cambrils, 1560-1620 m, 31T CG69, <i>Pinus sylvestris</i> forest, calcareous rocks and boulders, 19.9.2001, leg. P. Navarro-Rosinés (BCN).	JQ301663	JQ301494	JQ301558	JQ301615	—	—	—
	<i>Caloplaca scopularis</i>	GB	Scotland, West Ross (VC 105), Torridon, Rubha na h-Airde Glaise, and coast to north, locally abundant on rocky hevalland, grid. 18/80.56, 24.06.1994, leg. B.J. Coppins 16458, A.M. O'Dare & A.M. Fryday (E 126410).	183585266				—	JQ301754	—
		AFTOL-4820	Finland, Uusimaa, Kirkkonummi, Porkkala, Vetokannas, 59°59'N 24°25'E, on bare seashore cliffs, 20.4.2005, leg. S. Stenroos 5683 (H).		*JQ301495	*JQ301559	*JQ301616	—	—	—
	<i>Caloplaca squamosa</i> s.l.	This study	Argentina, Villaciencio, 1.12.2007, leg. W. Morris (DUKE).	JQ301666	—	JQ301562	JQ301619	JQ301716	—	JQ301757
	<i>Caloplaca verruculifera</i>	This study	Iceland, INo. Eyjafjardarsýsla, Silastadatangí, 65.726°N, 18.143°W, ca. 1 m. elev., marine habitat, 10.6.2006, leg. F. Lutzoni & C. Gueidan 06.10.07-7 (DUKE).	JQ301669	JQ301500	JQ301564	JQ301622	—	JQ301760	JQ301760
	<i>Josefpoeltia parva</i>	GB	Argentina, Dep. Tafi, Tucuman, R. Honegger 44712 (Z+ZT).	222353465	—	—	—	—	—	—



Classification	Taxon	Source	Locality/ Voucher	ITS	mitSSU	nucLSU	nucSSU	<i>RPB1</i> [A-D]	<i>RPB2</i> [5-7]	<i>RPB2</i> [7-11]
	<i>Xanthodactylon turbinatum</i>	GB	South Africa, 2001, leg. Feuerer & Thell (HBG).	197342712	196174817	—	—	—	—	—
		GB	South Africa, Port Nolloth, R. Honegger 3t1 (Z+ZT).			—	222352663	—	—	—
	<i>Xanthomendoza borealis</i>	GB	Russia, 2006, leg. Urbanavichus (H; A. Thell s.n.).	197342754	196174865			—	—	—
		GB	Russia, Zhurbenko 94411 (UPS).				39752532	39752550	—	—
	<i>Xanthomendoza fallax</i>	This study	Alaska, 19.6.2007, leg. E. Gaya, J. Geml, J. Gomà (DUKE).	<b>JQ301687</b>	<b>JQ301522</b>	<b>JQ301580</b>	<b>JQ301633</b>	<b>JQ301729</b>	<b>JQ301776</b>	<b>JQ301776</b>
	<i>Xanthomendoza fulva</i>	GB	Austria, 1991, leg. Petutschnig (H).	197342751	196174862	—	—	—	—	—
		GB	Switzerland, GL, Kloental, R. Honegger 404t1 (Z+ZT).			—	222352692	—	—	—
	<i>Xanthomendoza hasseana</i>	GB	USA, California, Santa Barbara, R. Honegger 400t1 (Z+ZT).	222352305	—	—	222352651	—	—	—
	<i>Xanthomendoza mendozae</i>	This study	Bolivia, Potosi, Salar de Uyuni, Isla Inca Huasi, 20°14'39.0"S, 67°37'36.1"W, 3650 m elev., on basaltic rock, leg. V. Reeb, VR 11-V-02-14 (DUKE).	<b>JQ301688</b>	<b>JQ301523</b>	<b>JQ301581</b>	<b>JQ301634</b>	—	—	<b>JQ301777</b>
	<i>Xanthomendoza montana</i>	GB	USA, Colorado, Aspen, R. Honegger 476t1 (Z+ZT).	222353461				—	—	—
		AFTOL-4841	USA, California, San Bernardino Co., San Bernardino Mountains, Cactus Flats, mountain east of Smarts Ranch Road, north-facing slope, (Big Bear City 34°18'24"N, 116°47'47"W), 1846 m elev., Pinyon Pine, Juniper, Joshua Tree, on bark of main stem of <i>Ephedra viridis</i> , 9.6.2005, leg. K. Knudsen 3384 (H).		*JQ301524	*JQ301582	*JQ301635	—	—	—
	<i>Xanthomendoza novozelandica</i>	GB	New Zealand, South Island, Otago, Hyde, R. Honegger 50t1 (Z+ZT).	222353463	—	—	—	—	—	—
		GB	New Zealand, Central Otago, Roxburgh, R. Honegger 66t1 (Z+ZT).			—	222352659	—	—	—
	<i>Xanthomendoza poeltii</i>	This study	Sweden, Halland, Övraby, Sperlingsholm, 56°42'28.96"N 12°53'46.93"E, 32 m elev., epiphyte on <i>Ulmus glabra</i> , 9.8.2006, leg. E. Gaya, P. Navarro-Rosinés, U. Arup, U. Sochting, N. Hladun, A. Gómez-Bolea (BCN).	<b>JQ301689</b>	<b>JQ301525</b>	<b>JQ301583</b>	<b>JQ301636</b>	<b>JQ301730</b>	<b>JQ301778</b>	<b>JQ301778</b>
	<i>Xanthomendoza ulophyllodes</i>	GB	USA, Minnesota, Itasca State Park, R. Honegger 330t1 (Z+ZT).	222352298			222352693	—	—	—
		GB	Russia, 2006, leg. Urbanavichus (H; A. Thell s.n.).		196174856			—	—	—
		This study	USA, WI, Vilas co., Town of Land O'Lakes, Northern Highland State Forest, Johnson Lake Barrrens State Natural Area just east of Jute Lake, NNE of Woodruff, 46°08'57"N 89°30'03"W, 545 m elev., open jack pine-aspen woods with <i>Prunus</i> and burned stumps, on dry wood, 26.4.2002, leg. R. Egan EL-15,811 (OMA).			<b>JQ301584</b>	—	<b>JQ301779</b>	<b>JQ301779</b>	
	<i>Xanthomendoza weberi</i>	GB	Finland, 2005, leg. Haikonen (H 24430).	197342752	196174863	—	—	—	—	—
		GB	France, Dept. Pyrenees-Orientales, Villefranche de Conflent, R. Honegger 114t1 (Z+ZT).			—	222352691	—	—	—
	<i>Xanthoria aureola</i>	This study	Sweden, Bohuslän, Kungshamn par., Sunnerskär, 58°19'42.53"N 11°14'48.12"E, 5 elev., granitic islands, 11.8.2006, leg. E. Gaya, P. Navarro-Rosinés, U. Arup, U. Sochting, N. Hladun, A. Gómez-Bolea (BCN).	<b>JQ301690</b>	<b>JQ301526</b>	<b>JQ301585</b>	<b>JQ301637</b>	<b>JQ301731</b>	<b>JQ301780</b>	<b>JQ301780</b>
	<i>Xanthoria calcicola</i>	GB	U257; U. Arup and M. Grube (1999).	13242208				—	—	—
		This study	Spain, Catalonia, Montgrí, Cap d'Oltra, 31T EG15, on calcareous rocks, 26.5.2006, leg. X. Llimona, S. Fernández-Brime et al. (BCN).		<b>JQ301527</b>	<b>JQ301586</b>	<b>JQ301638</b>	—	<b>JQ301781</b>	<b>JQ301781</b>
	<i>Xanthoria candelaria</i>	GB	France, Auvergne, Puy de Dôme, Chastreix, Puy Gros, 1793 m elev., Long E=0,530 gr. lat. 50,578 gr., Pelouses au N (cirque de la Fontaine Salée) et au sud, barre rocheuse exp. N et S., 30.8.1993, leg. X. Llimona, A. Gómez-Bolea & P. Navarro-Rosinés (BCN 8444).	183585245						

Classification	Taxon	Source	Locality/ Voucher	ITS	mitSSU	nucLSU	nucSSU	<i>RPB1</i> [A-D]	<i>RPB2</i> [5-7]	<i>RPB2</i> [7-11]
		This study	Sweden, Halland, Varberg, Vendelsö island, 57°17'54,53"N 12° 07'29,68"E, 0-2 m elev., on siliceous rocks, 9.8.2006, leg. E. Gaya, P. Navarro-Rosinés, U. Arup, U. Sochting, N. Hladun, A. Gómez-Bolea (BCN).		<b>JQ301528</b>	<b>JQ301587</b>	<b>JQ301639</b>	<b>JQ301732</b>	<b>JQ301782</b>	<b>JQ301782</b>
	<i>Xanthoria elegans</i>	GB	Spain, Catalonia, Lleida prov., Alt Urgell, Figols i Alinyà, Collada de l'Estany, near Cadolla Verda, 31TCG7167, 1700- 1800 m elev., sunlit calcareous boulders, 14.4.2000, leg. E. Gaya 192 (BCN).	183585262						
		This study	USA, Alaska, Elliott Hway, on calcareous boulder, 22.7.2007, leg. E. Gaya, J. Geml, J. Gomà (DUKE).		<b>JQ301529</b>	<b>JQ301588</b>	<b>JQ301640</b>	<b>JQ301733</b>	<b>JQ301783</b>	<b>JQ301783</b>
	<i>Xanthoria karrooensis</i>	GB	South Africa, 1987, leg. W. & U. Wetschnig (GZU).	197342719	196174825	—	—	—	—	—
		GB	South Africa, Western Cape, Van Rhynsdorp, R. Honegger 360t1 (Z+ZT).			—	222352654	—	—	—
	<i>Xanthoria ligulata</i>	GB	Australia, 2004, leg. S. Kondratyuk 20481 (KW).	197342701	196174794	—	—	—	—	—
		GB	New Zealand, South Island, Nelson R. Honegger 17t1 (Z+ZT).			—	222352667	—	—	—
	<i>Xanthoria parietina</i>	This study	Sweden, Bohuslän, Kungshamn par., Sunnerskär, 58°19'42,53"N 11°14'48,12"E, 5 elev., granitic islands, 11.8.2006, leg. E. Gaya, P. Navarro-Rosinés, U. Arup, U. Sochting, N. Hladun, A. Gómez-Bolea (BCN).	<b>JQ301691</b>	<b>JQ301530</b>	<b>JQ301589</b>	<b>JQ301641</b>	<b>JQ301734</b>	<b>JQ301784</b>	<b>JQ301784</b>
	<i>Xanthoria polycarpa</i>	GB	Switzerland, Zurich, R. Honegger 215 (Z+ZT).	222352275	—	—	—	—	—	—
		This study	Sweden, Öland, Gräsgård par., E of the wall, S of the road SE Tingstena, 56°21'05,33"N 16°28'07,07"E, 14 m elev., calcareous soils and rocks (Ordovician), 12.8.2006, leg. E. Gaya, P. Navarro-Rosinés, U. Arup, U. Sochting, N. Hladun, A. Gómez-Bolea (BCN).		<b>JQ301531</b>	<b>JQ301590</b>	<b>JQ301642</b>	<b>JQ301735</b>	<b>JQ301785</b>	—
	<i>Xanthoria resendei</i>	GB	Spain, Canary Islands, Tenerife, R. Honegger 37t1t1 (Z+ZT).	222352318	—	—	222352668	—	—	—
	<i>Xanthoria soredata</i>	GB	Finland, 2005, leg. Haikonen 24238 (H).	197342734	196174842	—	—	—	—	—
		GB	Switzerland, GR, Langwies, Fondel, R. Honegger 454t1 (Z+ZT).			—	222352686	—	—	—
<b>Lecanorales</b>										
<b>Cladoniaceae</b>	<i>Cladonia caroliniana</i>	AFTOL-3	USA, NC, Wake co., the rock preserve, corner of lizard lick rd. and riley hill rd., 35°51' N, 78° 22' 30" W, open <i>Juniperus virginiana</i> forest, growing on very thin soils among mosses on granite outcrop, fully exposed to the sun, 26.1.2003, leg. F. Lutzoni & R. Yahr 01.26.03-2 (DUKE).	110666868	46411379	46411429	46411405	110669611	—	46451691
	<i>Pycnothelia papillaria</i>	AFTOL-1377	Finland. Uusimaa: Kirkkonummi, Porkkala, radiotower, 59°59'30" N, 24°26'30" E, on thin soil over cliffs, 7.4.2005, leg. S. Stenroos 5692 (DUKE).	336397008	119513993	119514010	118638310	119514107	194320283	194320283
<b>Crocyniaceae</b>	<i>Crocynia pyxinoidea</i>	AFTOL-111	Costa Rica, Heredia, La Selva Protection Zone, La Selva Biological Station, 50 m elev., on bark, 27.10.2002, leg. R. Lücking 16052 (DUKE).	—	46411380	46411442	46411418	113957434	—	113957127
<b>Lecanoraceae</b>	<i>Lecanora contractula</i>	AFTOL-877	USA, Maine, Washington co., McClellan Park, 7 km S of Millbridge facing Douglas Island Harbor, 44°29'06"N, 67°51'09"W, rocky headlands and boulder beach at shore, on top of granite outcrop, lower supralittoral zone, 9.6.2004, leg. I. Brodo 31501 (DUKE).	336397017	119514155	119513956	119513951	119514028	194320163	194320163
	<i>Lecidella elaeochroma</i>	AFTOL-1275	Belgium, district Mosan, Roly, along the National Road Couvin-Charleroi, 190 m elev., on trunk of <i>Fraxinus excelsior</i> on edge of road, 26.1.2005, leg. D. Ertz 7605 (BR).	336397018	—	119513957	119513929	119514030	194320166	194320166
<b>Mycoblastaceae</b>	<i>Mycoblastus sanguinariis</i>	AFTOL-196	Canada, Quebec, Falls of the Black River at Montmorency Forest, N47°19.734 W71°06.166, 786 m elev., on bark of dead and alive <i>Abies balsamifera</i> , 1.7.2003, leg. F. Lutzoni & J. Miadlikowska 07.01.03-3 (DUKE).	—	119641393	119642962	—	110669632	110669593	110669593

Classification	Taxon	Source	Locality/ Voucher	ITS	mitSSU	nucLSU	nucSSU	RPB1[A-D]	RPB2[5-7]	RPB2[7-11]
	<i>Tephromela atra</i>	AFTOL-780	USA, California, Pt. Lobos Reserve, road along ocean where people park, saxicolous on exposed bedrock of conglomerate surrounded by shrubs, 29.7.2003, leg. F. Lutzoni 07.29.03-51/2 (DUKE).	336397019	119514151	119513974	119513947	—	194320224	194320224
<b>Parmeliaceae</b>	<i>Alectoria ochroleuca</i>	AFTOL-209	Canada, Quebec, Moisie River west of the main road, N54° 52.310', W67° 03.549', 738 m elev., soil on top of small hill, 4.7.2003, leg. F. Lutzoni & J. Miadlikowska 07.04.03-6 (DUKE).	336397010	119513995	119514011	118638312	119514111	194320285	194320285
	<i>Bryoria trichodes</i>	AFTOL-205	Canada, Quebec, Falls of the Black River, Montmorency Forest along trail, N47° 19.734', W71° 06.166', 786 m elev., on dead branches of <i>Abies balsamea</i> , 1.7.2003, leg. F. Lutzoni & J. Miadlikowska 07.01.03-8 (DUKE).	336397022	119514140	119513961	119513938	119514040	194320192	194320192
	<i>Canoparmelia caroliniana</i>	AFTOL-6	USA, NC, Pender co., holly shelter game land, just E of shaw hwy (sr 1523), at lodge road, 5.3 mi S of NC 53, 1 mi. E down road, 34°33'07"N, 77°48'41"W, <i>Pinus palustris-Quercus laevis</i> dominated sand scrub, epiphytic, 26.1.2003, leg. F. Lutzoni & R. Yahr 01.26.03-20 (DUKE).	110666869	46411378	46411423	46411399	110669613	46451690	46451690
	<i>Cetraria islandica</i>	AFTOL-211/This study	Canada, Quebec, on rocky barren near the shoreline, N50°12.189', W63°43.853', 2 m elev., in small rock barren, 8.7.2003, leg. F. Lutzoni & J. Miadlikowska 07.08.03-7 (DUKE).	JQ301699	119641408	119642982	119642528	119643504	119644023	119644023
	<i>Dactylina arctica</i>	AFTOL-225	Canada, Nunavut, N63 43.881' W68 25.497', 90 m elev., among mosses and <i>Cassiope tetragona</i> , 13.7.2003, leg. F. Lutzoni & J. Miadlikowska 07.13.03-15 (DUKE).	336397011	119513996	119514012	—	119514114	194320288	194320288
	<i>Flavocetraria nivalis</i>	AFTOL-231	Canada, Quebec, Schefferville, near Naskapi village at the IFR beacon on Dolly Ridge, N 74°48.907", W 66°48.319", 515 m elev., 6.7.2003, leg. F. Lutzoni & J. Miadlikowska 07.06.03-13 (DUKE).	336397092	119641434	113958898	113958808	113957453	113957145	113957145
	<i>Flavoparmelia caperata</i>	AFTOL-2	USA, NC, Wake co., the rock preserve, corner of lizard lick rd. and riley hill rd., 35°51' N, 78° 22' 30" W, open <i>Juniperus virginiana</i> forest, on <i>Juniperus virginiana</i> , 26.1.2003, leg. F. Lutzoni 01.26.03 (DUKE).	336397093	46411382	46411428	46411404	113707379	—	46411493
	<i>Hypogymnia physodes</i>	AFTOL-1966	Hungary, Bukk, Borzlyuk-teto, 2005, leg. K. Molnár 0524/LW (EGR).	*JQ301700	*JQ301541	*JQ301600	*JQ301651	*JQ301738	*JQ301789	*JQ301789
	<i>Hypotrachyna degelii</i>	AFTOL-324	Costa Rica, San Jose, Los Santo Forest Reserve, Cerro de la Muerte Biological Station, Station 2, km 93 on road from Cartago to San Isidro, along trail to summit, N34° 9', W45° 83', 3100-3400m elev., upper montane cloud forest, partly disturbed subparamo shrub and low forest, on mosses directly on bark of tree, 23.3.2003, F. Lutzoni, J.Miadlikowska & R. Lucking 03.23.03-17 (DUKE).	—	119641566	119643060	119642600	119643565	119644058	119644058
	<i>Imshaugia aleurites</i>	AFTOL-1044	Canada, Newfoundland, Avalon Peninsula, NW of Placentia, on <i>Abies</i> , 9.6.2004, leg. C. Scheidegger 45 (DUKE).	336397025	119514121	119513963	*JQ301652	119514044	194320197	194320197
	<i>Melanelixia fuliginosa</i>	AFTOL-1370	Finland, Uusimaa, Kirkkonummi, Porkkala, Vetokannas, on bare seashore cliffs, 59°59'N, 24°25'E, 7.4.2005, leg. S. Stenroos 5684 (DUKE).	336397012	119513997	119514013	—	119514116	194320290	194320290
	<i>Menegazzia terebrata</i>	AFTOL-10	USA, WA, King co., Twin Falls State Park, Twin Falls trail, lower fork of the Snoqualmie river, on <i>Alnus rubra</i> , N47°27.120' W121°42.226', 12.5.2002, leg. K. Glew, S. Joneson & F. Lutzoni (DUKE).	336397095	46411389	46411426	46411402	—	123979409	—
	<i>Myelochroa aurilenta</i>	AFTOL-206/This study	Quebec, Canada Parc du Saguenay, trail of the caps, N48°17.603', W70°20.451', 20 m elev., on <i>Acer saccharum</i> , 2.7.2003, leg. F. Lutzoni & J. Miadlikowska 07.02.03-3 (DUKE).	<b>JQ301701</b>	123979243	123979296	123979272	123979321	123979363	123979363
	<i>Parmotrema tinctorum</i>	AFTOL-7	USA, NC, Pender co., holly shelter game land, just E of shaw hwy (sr 1523) at lodge rd, 5.3 mi S of NC 53, 34°33'07"N, 77°48'41"W, pinus palustris-quercus laevis dominated sand scrub, on <i>Quercus laevis</i> , 26.1.2003, leg. F. Lutzoni & R. Yahr 01.23.03-11 (DUKE).	336397097	46411392	46411424	46411400	119643637	46411497	46411497
	<i>Platismatia glauca</i>	GB	Japan, MAF 7290.	21303398						

Classification	Taxon	Source	Locality/ Voucher	ITS	mitSSU	nucLSU	nucSSU	RPB1[A-D]	RPB2[5-7]	RPB2[7-11]
		AFTOL-203	Canada, Quebec, Falls of the Black River, Montmorency Forest along trail, N47°19.734', W71°06.166', 786 m elev., on dead branches of <i>Abies balsamea</i> , 1.7.2003, leg. F. Lutzoni & J. Miadlikowska 07.01.03-5 (DUKE).		119641648	119643144	119642668	119643648	119644118	119644118
	<i>Pseudevernia consocians</i>	AFTOL-1243	USA, Georgia, Rabun co., along Big Creek, just off of Highway 28, fallen along creek, 16.10.2004, leg. E. Fraker, J. Metzgar, M. Christenhusz, S. Hennequin & M. G. Otolara 878 (DUKE).	336397027	119514125	119513964	119513924	119514046	194320200	—
	<i>Punctelia hypoleucites</i>	AFTOL-85	USA, Texas, Mason co., Hillis Fly Gap Ranch, ca. 8 km SW of Pontotoc, 30°52'25"N, 99°02'52"W, on <i>Quercus</i> , 2.6.2002, leg. D. M. Hillis (DUKE).	336397098	46411394	46411435	46411411	119643673	46411501	46411501
	<i>Tuckermannopsis ciliaris</i>	AFTOL-1245	USA, NC, Jackson co., Nantahala National Forest, Whiteside Mountain, along loop hiking trail beginning in parking area, on a tree, 17.10.2004, leg. E. Fraker, J. Metzgar, M. Christenhusz, S. Hennequin & M. G. Otolara 859 (DUKE).	336397028	119514127	119513965	119513925	119514048	194320202	—
	<i>Usnea antarctica</i>	AFTOL-813	Antarctic Peninsula, Adelaide Island, Rothera Point, P. Dyer (DUKE).	336397029	—	113707372	113707365	115186826	113707348	113707348
	<i>Vulpicida pinastris</i>	GB	Spain, Lleida, MAF 6783.	50953389						
		AFTOL-198	Quebec, Canada, Mingan Islands, Ile Niapiskau, N50°12.189', W63°43.853', 2 m elev., on dead branches of <i>Abies</i> , 8.7.2003, leg. F. Lutzoni & J. Miadlikowska 07.08.03-3 (DUKE).		119641674	119643168	119642690	119643710	119644160	119644160
	<i>Xanthoparmelia conspersa</i>	AFTOL-4	USA, NC, Wake co., The Rock Preserve, corner of lizard lick rd. and riley hill rd. 35°51' N, 78° 22' 30" W, open <i>Juniperus virginiana</i> forest, fully exposed to the sun, on granite outcrop, 26.1.2003, leg. F. Lutzoni 01.26.03-41/3 (DUKE).	336397101	46411398	46411430	46411406	119643729	46488901	46488901
<b>Psoraceae</b>	<i>Protoblastenia calva</i>	AFTOL-992	Croatia, Brestova Forest, Paphine Trail, Gorma Mountain, Sunger, VL826199, on limestone outcrops, 13.7.2004, leg. C. Gueidan CG659 (DUKE).	336397031	119514161	*JQ301601	*JQ301653	119514055	194320213	194320213
	<i>Psora rubiformis</i>	AFTOL-219	Canada, Nunavut, N63°45.609', W68°33.219', 40 m elev., on mosses, 12.7.2003, leg. F. Lutzoni & J. Miadlikowska 07.12.03-3 (DUKE).	336397033	—	119513971	119513939	119514057	194320218	194320218
		GB	Norway, Ekman 3343 (BG).		71657000					
<b>Ramalinaceae</b>	<i>Lopezaria versicolor</i>	AFTOL-108	Costa Rica, Puntarenas, Parque Internacional La Amistad, Estación Altamira, 20 km N of San Vito near Finca Colorado, trail to Casa Coca, 83°00' W, 9°02' N, 1600-1800 m elev., 1.7.2002, leg. H. Sipman 480491 (DUKE).	—	46411387	119643465	119642900	119643961	119644367	119644367
<b>Sphaerophoraceae</b>	<i>Sphaerophorus globosus</i>	AFTOL-1057	Canada, Newfoundland, Avalon Peninsula, NW of Placentia, N 47.15°, W 53.56°, on <i>Abies</i> , 6.9.2004, leg. C. Scheidegger 45 (DUKE).	336397035	119514123	119513977	119513922	119514067	194320233	194320233
<b>Stereocaulaceae</b>	<i>Lepraria lobificans</i>	AFTOL-325	Costa Rica, San Jose Station 2 Los Santo Forest Reserve, Cerro de la Muerte Biological Station km 93, on road from Cartago to San Isidro, along trail to summit, N34°9' W45°83', 3100-3400 m elev., upper montane cloud forest zone, partly disturbed subparamo shrub and low forest, shady exposure, on mosses on trees, 23.3.2003, leg. F. Lutzoni, J. Miadlikowska & R. Lücking 03.23.03-19 (DUKE).	336397036	119514144	119513978	119513943	119514069	194320236	194320236
	<i>Stereocaulon paschale</i>	AFTOL-397	leg. V. Reeb (DUKE)	336397103	46411481	12025096	12025095	—	52699883	52699883
<b>Peltigerales</b>										
<b>Collembateae</b>										
<b>Coccocarpiaceae</b>	<i>Coccocarpia erythroxyli</i>	AFTOL-333	Costa Rica, San Jose, Station 2, Los Santos Forest Reserve, Cerro de la Muerte Biological Station, N34°9', W45°83', 3100-3400 m elev., on mosses on small trees, 23.3.2003, leg. F. Lutzoni, J. Miadlikowska & R. Lücking 03.23.03-33 (DUKE).	336397104	119641903	113958940	113958873	113957511	113957200	113957200

Classification	Taxon	Source	Locality/ Voucher	ITS	mitSSU	nucLSU	nucSSU	RPB1[A-D]	RPB2[5-7]	RPB2[7-11]
<b>Collemataceae</b>	<i>Collema cristatum</i>	AFTOL-1013	Spain, Cuenca, mountainous region of Cuenca, Beamud, 1326 m elev., on calcareous rocks, 10.5.2004, leg. G. Aragón & M. G. Ojalora 741 (DUKE).	—	115187047	115187022	115187066	—	—	115187093
	<i>Leptogium lichenoides</i>	AFTOL-1015	Spain, Santander, National Park of Picos de Europa, 30TUN5874, Cosgaya, on mosses, 24.7.2003, leg. G. Aragón & I Martínez 3542/03 (DUKE).	336397085	114215293	115187115	115187131	115187147	115187212	115187212
<b>Pannariaceae</b>	<i>Degelia plumbea</i>	AFTOL-990	Croatia, Brestova forest, rapine trail, Gorna Mountain, Sunger, VL 826199, 910 m elev., on old <i>Fraxinus excelsior</i> with <i>Normandina pulchelle</i> , 13.7.2004, leg. C. Gueidan CG660 (DUKE).	—	119642269	119643345	119642799	119643868	119644255	119644255
	<i>Erioderma verruculosum</i>	AFTOL-337	Costa Rica, San Jose, Los Santos Station 2, Forest Reserve, Cerro de la Muerte Biological Station, N34°9', W45°83', 3100-3400 m elev., on trees, 23.3.2003, leg. F. Lutzoni, J. Miadlikowska & R. Lucking 03.23.03-35C (DUKE).	—	123979261	123979312	123979288	123979347	123979377	—
	<i>Fuscopannaria ignobilis</i>	AFTOL-1011	Spain, Ciudad Real, Navas de Estena. Toledo mountains, on <i>Quercus ilex</i> , 11.6.2004, leg. G. Aragón 701/04 (DUKE).	336397086	115187228	115187248	119513918	119514073	—	194320244
	<i>Protopannaria pezizoides</i>	AFTOL-222	Canada, Nunavut, Iqaluit, at edge of small pond to the right of end of runway when looking from town, N63° 45.609', W68°33.219', 52 m ± 6 m elev., wet cliff with exposed soil, 12.7.2003, leg. F. Lutzoni & J. Miadlikowska 07.12.03-28 (DUKE).	336397106	119642318	119643399	119642834	119643887	—	—
<b>Peltigerineae</b>										
<b>Lobariaceae</b>	<i>Lobaria scrobiculata</i>	AFTOL-128	USA, Oregon, Linn co., Willamette National Forest, Near Sahalie Falls, Koohsah Falls and Carmen Reservoir, old forested lava flow near McKenzie River, 44°21.0'N, 121°00.1'W, 810-920 m elev., 8.11.2000, leg. J. Miadlikowska 1.1 LOSC (DUKE).	31324276	46411386	46411444	46411420	113957445	113957139	113957139
	<i>Lobaria pallida</i>	AFTOL-310	Costa Rica, Cartago, Irazu National Park, summit at the edge of vegetation surrounding mouth of volcano Irazu, N59°9', W51°83', 3300 m elev., disturbed paramo vegetation and low roadside trees, corticolous on <i>Araliaceae</i> shrub, 22.3.2003, leg. F. Lutzoni, J. Miadlikowska & R. Lucking 03.22.03-4 (DUKE).	336397108	119641965	113958920	113958809	113957456	113957147	113957147
	<i>Pseudocyphellaria anomala</i>	AFTOL-132	USA, Oregon, Linn co., Willamette National Forest, near Sahalie Falls, Koohsah Falls and Carmen Reservoir, old forested lava flow near McKenzie River, 44°21.0'N, 121°00.1'W, 865 m elev., 10.11.2000, leg. J. Miadlikowska 1.1 PANM (DUKE).	336397110	119642052	113958881	113958806	113957451	113957143	113957143
	<i>Sticta beauvoisii</i>	AFTOL-1242	USA, Georgia, Rabun County. Along Big Creek, just off of Highway 28, 16.10.2004, leg. E. Fraker, J. Metzgar, M. Christenhusz, S. Hennequin & M. G. Ojalora 872 (DUKE).	336397037	119514124	119513979	119513923	—	194320241	194320241
<b>Nephromataceae</b>	<i>Nephroma parile</i>	AFTOL-131	USA, Oregon, Clackamas Co. Wapanitia Pass near Mount Hood on US Hwy, 45°13.5'N, 121°42'W, 1200 m elev., montane <i>Abies-Tsuga</i> forest, 8.11.2000, leg. J. Miadlikowska 1.1 NEPA (DUKE).	336397111	46411390	46411445	46411421	123979345	123979373	—
<b>Peltigeraceae</b>	<i>Peltigera degenii</i>	AFTOL-134	Russia, leg. A. Zavarzin 19/02 (DUKE).	110666877	46411393	46411446	46411422	110669630	46411499	46411499
<b>Lecideales</b>										
<b>Lecideaceae</b>	<i>Lecidea fuscoatra</i>	AFTOL-589	Germany, Renania-Palatinado, Eifel, Schiefergrube Werresnich, 2 km W Kaisersesch, MTB 5708, leg. G.B. Feige 6236 (DUKE).	336397120	119641368	119642943	119642502	119643501	119644003	119644003
	<i>Porpidia albocaulis</i>	AFTOL-385	USA, North Carolina, Orange County, Duke Forest, Korstian Division, New Hope Creek off Erwin Road, mixed hardwoods, on rock, 23.1.1994, leg. J. W. Spatafora 11145 (DUKE).	*JQ301702						
		AFTOL-1246	USA, North Carolina, Wake County, Capital Greenway to Shelly Lake, North Raleigh, 35°52'N, 78°38'43"W, 300 m elev., on siliceous rock in alluvial forest, 16.1.2005, leg. G. Perlmutter 67 (DUKE).		119514128	119513967	119513926	119514050	194320204	194320204
<i>Porpidia spetrea</i>	AFTOL-1050	Switzerland, Canton of Uri, Valley of Riemenstalden, Mt. Chaiserstock, N46°55.8', E8°43.5', N facing calcareous rocks, 3.8.2004, leg. C. Scheidegger 2360 (DUKE).	336397044	119514122	119513968	119513921	119514052	194320207	194320207	

