

Jan 10 2015

	Species (lichenicolous fungi in bold; <i>lichenicolous lichens or facultative lichenicolous fungi in italics</i>)	Significant literature	Cultures (with accession numbers when known; culture collection links)	Sequences (with accession numbers)
ASCOMYCOTA				
Abrothallales				
Abrothallaceae				
<i>Abrothallus</i>	acetabuli Diederich: on <i>Pleurosticta acetabulum</i> bertianus De Not.: on <i>Melanelixia</i> bryoriarum Hafellner: on <i>Bryoria</i> buellianus De Not.: on <i>Parmelina</i> caerulescens Kotte: on <i>Xanthoparmelia</i> cetrariae Kotte: on <i>Platismatia glauca</i> chrysanthus Stein: on <i>Usnea</i> cladoniae R. Sant. & D. Hawksw.: on <i>Cladonia</i> granulatae Wedin: on <i>Pseudocyphellaria</i> halei Pérez-Ortega, Suija, D. Hawksw. & R. Sant.: on <i>Lobaria</i> hypotrachynae Etayo & Diederich: on <i>Hypotrachyna</i> macrosporus Etayo & R. Sant.: on <i>Durietzia</i> microspermus Tul.: on <i>Flavoparmelia caperata</i> parmeliarum (Sommerf.) Nyl.: on <i>Parmelia</i> parmotrematis Diederich: on <i>Parmotrema</i> peyritschii (Stein) Kotte: on <i>Vulpicida</i>	Diederich 1990 Diederich 2003 Diederich 2004a Diederich 2011 Etayo 2002 Etayo 2010b Etayo & Osorio 2004 Etayo & van den Boom 2006 Hafellner 1994a Hafellner et al. 2008 Hawksworth 1990a Ihlen & Wedin 2008 Kondratyuk 1996b Nordin 1964 Pérez-Ortega et al. 2014 Suija 2006 Suija et al. 2011 Wedin 1994		

	<p>pezizicola Diederich & R.C. Harris: on <i>Cladonia peziziformis</i></p> <p>prodiens (Harm.) Diederich & Hafellner: on <i>Hypogymnia</i></p> <p>secedens Wedin & R. Sant.: on <i>Pseudocyphellaria</i></p> <p>stereocaulorum Etayo & Diederich: on <i>Stereocaulon</i></p> <p>stictarum Etayo: on <i>Sticta</i></p> <p>stroblii Hafellner: on <i>Menegazzia terebrata</i></p> <p>suecicus (Kirschst.) Nordin: on <i>Ramalina</i></p> <p>tulasnei M.S. Cole & D. Hawksw.: on <i>Xanthoparmelia</i></p> <p>usneae Rabenh.: on <i>Usnea</i></p> <p>usneae var. tetraspora Etayo & Osorio: on <i>Usnea</i></p> <p>welwitschii Mont.: on <i>Sticta</i></p>			
Lichenocniaceae				
<i>Lichenocnium</i>	<p>aeruginosum Diederich, M. Brand, van den Boom & Lawrey: on <i>Cladonia</i></p> <p>cargillianum (Linds.) D. Hawksw.: on <i>Letharia, Parmotrema, Platismatia, Ramalina</i> and <i>Usnea</i></p> <p>christiansenii M. S. Cole & D. Hawksw.: on <i>Nodobryoria abbreviata</i></p> <p>echinosporum D. Hawksw.: on <i>Heterodea muelleri</i></p> <p>edgewoodensis Alstrup & M. S. Cole: on <i>Parmelia sulcata</i></p> <p>erodens M. S. Christ. & D. Hawksw.: on various lichens</p> <p>follmannii S. Y. Kondr. & D. J. Galloway: on <i>Lobaria pulmonaria</i></p>	<p>Alstrup & Cole 1998 Christiansen 1956 Christiansen 1980 Cole & Hawksworth 2004 Diederich 1986 Hawksworth 1977b Hawksworth 1981 Kalb et al. 1995 Kondratyuk & Galloway 1995b Kondratyuk et al. 1994 Lawrey et al. 2011</p>	<p>aeruginosum: CBS 129239</p> <p>erodens: Culture obtained by Crittenden et al. (1995)</p> <p>erodens: CBS 128028</p> <p>erodens: CBS 128030</p> <p>erodens: CBS 128704</p> <p>lecanorae: Culture obtained by Crittenden et al. (1995)</p> <p>lecanorae: CBS 128024</p> <p>sp.: CBS 129139</p> <p>usneae: CBS 128020</p>	<p>aeruginosum: (CBS 129239, JL359-09): nrLSU: HQ174269; mtSSU: HQ174268</p> <p>erodens: (JL363-09): nrLSU: HQ174267; mtSSU: HQ174266</p> <p>lecanorae: (CBS 128024): nrLSU: HQ174263; mtSSU: HQ174262</p> <p>usneae: (CBS 128020): nrLSU: HQ174265; mtSSU: HQ174264</p>

	<p>laevisporum Kalb & Hafellner: on <i>Haematomma</i></p> <p>lecanorae (Jaap) D. Hawksw.: on various lichens</p> <p>lichenicola (P. Karst.) Petr. & Syd.: on <i>Physcia</i></p> <p>plectocarpoides S. Y. Kondr. & D. J. Galloway: on <i>Pseudocyphellaria</i></p> <p>pyxidatae (Oudem.) Petr. & Syd.: on <i>Cladonia</i></p> <p>reichlingii Diederich: on <i>Ramalina fraxinea</i></p> <p>usneae (Anzi) D. Hawksw.: on various lichens</p> <p>xanthoriae M. S. Christ.: on <i>Xanthoria</i>, also reported from <i>Caloplaca</i>, <i>Cetraria</i>, <i>Cetrelia</i>, <i>Heterodermia</i>, <i>Melanelia</i>, <i>Physcia</i> and <i>Teloschistes</i></p>			
Capnodiales				
Cladosporiaceae				
<i>Cladosporium</i>	<p>arthoniae M. S. Christ. & D. Hawksw.: on corticolous lichens with <i>Trentepohlia</i></p> <p>licheniphilum Heuchert & U. Braun: on <i>Pertusaria</i> and <i>Thamnolia</i></p>	<p>Diederich 1989 Hawksworth 1979a Heuchert & Braun 2006 Zhurbenko 2012</p>		
<i>Verrucocladosporium</i>	<p>dirinae K. Schub., Aptroot & Crous: on <i>Dirina massiliensis</i></p> <p>rocellae U. Braun, Diederich & Heuchert: on <i>Rocella</i></p>	<p>Braun et al. 2009 Crous et al. 2007</p>	dirinae : CBS 112794	
Dissoconiaceae				
<i>Ramichloridium</i>	<p>cladoniicola U. Braun & Heuchert: on <i>Cladonia portentosa</i></p>	<p>Braun et al. 2009</p>		
Mycosphaerellaceae				
<i>Pseudocercospora</i>	<p>lichenum (Keissl.) D. Hawksw.: on <i>Haematomma cisonicum</i></p>	<p>Etayo 2002 Hawksworth 1979a</p>		

<i>Sphaerulina</i> s. lat.	<i>dolichotera</i> (Nyl.) Vouaux: on Collemataceae [probably a synonym of <i>Merismatium decolorans</i>] dubiella (Nyl.) W. Wats.: on crustose lichen <i>intermedia</i> Vouaux: on <i>Leptogium</i> [probably a synonym of <i>Merismatium decolorans</i>] lepidiotae (Anzi) Vain.: on <i>Fuscopannaria praetermissa</i>	Clauzade et al. 1989		
<i>Wernerella</i>	acarosporae Etayo: on <i>Acarospora nodulosa</i> maheui (Werner) Nav.-Ros., Cl. Roux & Giral: on <i>Rinodina</i>	Etayo 2010c Navarro-Rosinés et al. 1996 Navarro-Rosinés et al. 1998d		
Capnodiales incertae sedis				
<i>Xanthoriicola</i>	physciae (Kalchbr.) D. Hawksw.: on <i>Xanthoria</i>	Hawksworth 1979a Hawksworth & Punithalingam 1973 Ruibal et al. 2011		physciae (CR4): nrLSU: JN040487 physciae (CR10): nrLSU: JN040488 physciae (CR20): nrLSU: JN040489 physciae (CR21): nrLSU: JN040490 physciae (CR22): nrLSU: JN040491 physciae (CR23): nrLSU: JN040492 physciae (CR44): nrLSU: JN040493 physciae (CR45): nrLSU: JN040494 physciae (CR50): nrLSU: JN040495 physciae (CR51): nrLSU: JN040496 physciae (CR58): nrLSU:

				JN040497
Dothideales				
Aureobasidiaceae				
<i>Pseudoseptoria</i>	usneae (Vouaux) D. Hawksw.: on <i>Usnea</i>	Hawksworth 1981		
Dothideaceae				
<i>Plowrightia</i>	mereschkovskyi Vouaux: on <i>Aspicilia hispida</i>	Clauzade et al. 1989		
Lichenotheliales				
Lichenotheliaceae				
<i>Lichenothelia</i>	<i>convexa</i> Henssen: facultative lichenicolous over siliceous rocks renobalesiana D. Hawksw. & V. Atienza: on endolithic Verrucariaceae (<i>Bagliettoa</i> , <i>Thelidium</i> , <i>Verrucaria</i>) over calcareous rocks rugosa (G. Thor) Ertz & Diederich: on <i>Diploschistes</i> spiralispora Etayo [as ' <i>spiratispora</i> ']: on <i>Acarospora sphaerospora</i>	Atienza & Hawksworth 2008 Etayo 2010c Ertz et al. 2014 Kocourková & Knudsen 2011b		
<i>Lichenostigma</i> s. lat. (see under Lichenostigmatales for <i>Lichenostigma</i> s.str.)	amplum Calat. & Hafellner: on <i>Buellia</i> anatolicum Halici & Kocakaya: on brown <i>Acarospora</i> bolacinae Nav.-Ros., Calat. & Hafellner: on <i>Caloplaca bolacina</i> canariense Etayo & van den Boom: on <i>Aspicilia calcarea</i> cosmopolites Hafellner & Calat.: on <i>Xanthoparmelia</i> dimelaenae Calat. & Hafellner: on <i>Dimelaena oreina</i> diploiciae Calat., Nav.-Ros. & Hafellner: on <i>Diploicia subcanescens</i>	Alstrup & Hawksworth 1990 Calatayud & Barreno 2003 Calatayud & Navarro-Rosinés 2000 Calatayud et al. 2002 Calatayud et al. 2004 Etayo & Sancho 2008 Fernández-Brime et al. 2010 Hafellner 1982a Hafellner 1999 Hafellner & Calatayud 1999 Halici & Hawksworth 2007 Halici et al. 2009 Harris & Lendemer 2009 Ihlen 2004 Kondratyuk et al. 2013 Navarro-Rosinés & Hafellner		

elongatum Nav.-Ros. & Hafellner: on
Aspicilia and *Lobothallia*
epipolinum Nav.-Ros., Calat. & Hafellner:
on *Diplotomma epipolinum*
epirupestre Pérez-Ortega & Calat.: on
Pertusaria pertusa
episulphurella Etayo & van den Boom: on
Lecanora sulphurella
gracile Calat., Nav.-Ros. & Hafellner: on
Acarospora fuscata
heterodermiae S. Y. Kondr., L. Lőkös et
J.-S. Hur: on *Heterodermia*
iranicum Brackel & Valadbeigi: on
Lobothallia praeradiosa
lecanorae Calat. & Nav.-Ros.: on *Lecanora*
farinacea
radicans Calat. & Barreno: on *Aspicilia*
rouxii Nav.-Ros., Calat. & Hafellner: on
Squamarina
rupicolae Fern.-Brime & Nav.-Ros.: on
Pertusaria rupicola
saxicola Knudsen ...: on ...
semi-immersum Hafellner: on *Buellia*
subradians Hafellner, Calat. & Nav.-Ros.:
on *Acarospora*
supertegentis Ihlen & R. Sant.: on
Aspicilia supertegens
svandae Vondrák & Šoun: on *Acarospora*
cervina
triseptatum Halıcı & D. Hawksw.: on
Aspicilia
verrucosum Brackel & Valadbeigi: on
Pleopsidium gobiense

1996
Pérez-Ortega & Calatayud 2009
Thor 1985
van den Boom & Etayo 2006
Valadbeigi & Brackel 2011
Vondrák & Šoun 2007

Patellariales				
Patellariaceae				
<i>Stratisporella</i>	episemoides (Nyl.) Hafellner: on <i>Enterographa</i>	Aptroot et al. 1997 Hafellner 1979 Kutorga & Hawksworth 1997		
<i>Tryblidaria</i>	capensis (Stizenb.) Vouaux: on <i>Buellia callaina</i>	Clauzade et al. 1989		
Pleosporales				
Cucurbitariaceae				
<i>Pyrenochaeta</i>	collematis Vouaux: on <i>Collema tenax</i> xanthoriae Diederich: on <i>Xanthoria</i>	Clauzade et al. 1989 Diederich 1990 Hafellner 1982a		
<i>Pyrenochaetopsis</i>	<i>microspora</i> (Gruyter & Boerema) Gruyter, Aveskamp & Verkley: facultative lichenicolous on <i>Buellia</i>	de Gruyter et al. (in press)	microspora : CBS 101333	microspora (CBS 101333): nrLSU: GQ387630
Didymellaceae				
<i>Ascochyta</i>	santessonii Alstrup & D. Hawksw.: on <i>Phaeophyscia sciastra</i> candelariellicola D. Hawksw. & Kalb: on <i>Candelariella aurella</i>	Alstrup & Hawksworth 1990 Hawksworth & Kalb 1992		
<i>Epicoccum</i>	<i>nigrum</i> Link: facultative lichenicolous over various lichens	David & Hawksworth 1995 Diederich 2004b	nigrum (syn. <i>E. purpurascens</i>): ACM; FRR; JCT; WAC; MUCL; URM; CCFC; CCM; VTT; LCP; DSMZ; DUM; ITCC; IFO; JCM; MAFF; ICMP; VKM; BCRC; ARS (NRRL); NCAM	nigrum : 131 nucleotide sequences and 11 protein sequences in GenBank
<i>Leptosphaerulina</i>	peltigerae (Fuckel) Riedl: on <i>Peltigera</i>	Hawksworth 1980b		
<i>Microsphaeropsis</i>	caloplaca Etayo & Yazici: on <i>Caloplaca</i> lichenicola Etayo: on <i>Pannaria</i> physciae Brackel: on <i>Physcia</i>	Brackel 2014 Etayo & Sancho 2008 Etayo & Yazici 2009		
Leptosphaeriaceae				

<i>Leptosphaeria</i> s. lat.	clarkii D. Hawksw.: on <i>Peltigera</i> protousneae Etayo: on <i>Protousnea</i> pycnostigma (Nyl.) Sacc. & D. Sacc.: on <i>Baeomyces</i> ramalinae (Desm.) Sacc.: on <i>Ramalina</i>	Clauzade et al. 1989 Etayo & Sancho 2008 Hawksworth 1980b		
Phaeosphaeriaceae				
<i>Ophiobolus</i> s. lat.	aspiciliae (H. Olivier) Vouaux: on <i>Aspicilia</i>	Clauzade et al. 1989		
Pleomassariaceae				
<i>Lichenopyrenis</i>	galligena Calat., M. J. Sanz & Aptroot: on <i>Leptochidium albociliatum</i>	Calatayud et al. 2001b		
Pleosporaceae				
<i>Pleospora</i>	collematum Zukai: on Collemataceae crozalsii Vouaux: on <i>Sticta sylvatica</i> physciae (Brackel) Hafellner & E. Zimm.: on <i>Physcia</i> treiachii Hafellner: on <i>Aspicilia</i> [= <i>Pleospora aquatica</i> Treiach & Nimis, non Griffiths] 'Verrucaria' congestula Cromb.: on <i>Placopsis macrophthalma</i> [a taxon of uncertain position]	Brackel 2010a Clauzade et al. 1989 Hafellner & Zimmermann 2012 Tretsch & Nimis 1999		
Trematosphaeriaceae				
<i>Trematosphaeria</i>	lophiostoma Choisy & Werner: on <i>Staurothele</i>	Clauzade et al. 1989		
Pleosporales incertae sedis				
<i>Berkleasium</i>	parmeliellae Etayo & Diederich: on <i>Parmeliella testacea</i>	Etayo & Diederich 1995		
<i>Ellisembia</i>	lichenicola Heuchert & U. Braun: on <i>Pertusaria</i> and <i>Physconia</i>	Heuchert & Braun 2006		
<i>Pseudopyrenidium</i>	tartaricola (Linds.) Alstrup & D. Hawksw.: on <i>Ochrolechia</i>	Alstrup & Hawksworth 1990 Navarro-Rosinés et al. 2010		
Tubeufiales				

Tubeufiaceae				
<i>Tubeufia</i>	eriodermæ Etayo: on <i>Erioderma</i> heterodermiæ Etayo: on <i>Heterodermia</i> and <i>Physcia</i>	Etayo 2002a Etayo 2002b		
Venturiales				
Venturiaceae				
<i>Spilodochium</i>	parmotrematis Diederich & Etayo: on <i>Parmotrema</i>	Etayo & Diederich 1995		
Dothideomycetes incertae sedis				
Dacampiaceae				
<i>Clypeococcum</i>	bisporum Zhurb.: on <i>Cetraria</i> and <i>Flavocetraria</i> cetrariae Hafellner: on <i>Cetraria islandica</i> cladonema (Wedd.) D. Hawksw.: on <i>Cetrelia</i> and <i>Xanthoparmelia</i> epimelanostolum (D. Hawksw. & Øvstedal) Grube & Hafellner: on <i>Buellia</i> <i>melanostola</i> galloides Etayo: on <i>Lecidea</i> s. lat. grossum (Körb.) D. Hawksw.: on <i>Umbilicaria</i> hypocenomycis D. Hawksw.: on <i>Hypocenomyce scalaris</i> placopsiiphilum Øvstedal & D. Hawksw.: on <i>Placopsis</i> psoromatis (A. Massal.) Etayo [= <i>epicrassum</i> (H. Olivier) Hafellner & Nav.-Ros.]: on <i>Squamarina</i>	Etayo 2010b Etayo & Triebel 2010 Grube & Hafellner 1990 Hafellner 1994a Hafellner 1995 Hawksworth 1977a Hawksworth 1980a Hawksworth 1982a Navarro-Rosinés et al. 1994 Øvstedal & Hawksworth 1986 Zhurbenko 2009a	hypocenomycis : Culture obtained by Crittenden et al. (1995)	
<i>Dacampia</i>	caloplacicola Halici, Candan & Etayo: on <i>Caloplaca</i> cladoniicola Halici & A. Ö. Türk: on <i>Cladonia</i>	Brackel 2010a Brackel 2010b Earland-Bennett et al. 2006 Halıcı & Hawksworth 2008 Halıcı et al. 2008		

	<p>cyrtellae Brackel: on <i>Lecania cyrtella</i> engliana (Saut.) A. Massal.: on <i>Solorina</i> hookeri (Borrer) A. Massal.: on <i>Solorina</i>, probably lichenized lecaniae Kocourk. & K. Knudsen: on <i>Lecania fuscella</i> leptogiicola (D. Hawksw.) D. Hawksw.: on <i>Leptogium</i> muraliicola Halıcı & D. Hawksw.: on <i>Lecanora muralis</i> peltigericola D. Hawksw. & C.J.B. Hitch: on <i>Peltigera</i> rhizocarpicola D. Hawksw.: on <i>Rhizocarpon</i> rubra Halıcı, Candan & Calat.: on <i>Aspicilia</i> rufescentis (Vouaux) D. Hawksw.: on <i>Peltigera</i> thamnoliicola Zhurb. <i>ad int.</i>: on <i>Thamnolia</i> xanthomendozae Etayo & Halıcı: on <i>Xanthomendoza</i></p>	<p>Halıcı et al. 2009a Halıcı et al. 2009b Hawksworth 1980b Hawksworth 1986 Henssen 1995 Kocourková & Knudsen 2010b Zhurbenko 2012</p>		
<i>Homostegia</i>	<p>dermatocarponis [as <i>dermatocarpae</i>] Alstrup & M. S. Cole: on <i>Dermatocarpon</i> hertelii D. Hawksw., V. Atienza & M. S. Cole: on <i>Flavoparmelia caperata</i> piggottii (Berk. & Broome) P. Karst.: on <i>Parmelia</i> s. str.</p>	<p>Alstrup & M. S. Cole 1998 Hawksworth et al. 2004</p>		
<i>Polycoccum</i>	<p>acarosporicola Halıcı & D. Hawksw.: on <i>Acarospora cervina</i> aksoyi Halıcı & V. Atienza: on <i>Aspicilia</i> alboatrae (Vouaux) Etayo: on <i>Diplotomma venustum</i> amygdalariae F. Berger & Triebel: on <i>Amygdalaria</i></p>	<p>Alstrup 2002 Aptroot et al. 1997 Atienza & Hawksworth 2008 Atienza et al. 2003 Berger 2000 Calatayud 2004 Calatayud & Atienza 2000 Calatayud & Rambold 1998 Calatayud & Rico 1995</p>	peltigerae : CBS 112.77	vermicularium : nrLSU: AY961601

anaticum Halici & E.Akgül: on <i>Lepraria incana</i>	Clauzade et al. 1989 Diederich 1990 Etayo 1996 Etayo 2010b Etayo 2010c
arnoldii (Hepp) D. Hawksw.: on <i>Diploschistes</i> and <i>Rhizocarpon</i>	Etayo & Diederich 1998 Etayo & Sancho 2008 Galloway 2004
bryontheae (Arnold) Vězda: on <i>Caloplaca cerina</i> and <i>Pertusaria bryonthea</i>	Gaya & Navarro-Rosinés 2008 Halici et al. 2007
cartilagosum (Arnold) D. Hawksw.: on an unidentified saxicolous lichen?	Halici et al. 2009 Halici et al. 2013
cladoniae Diederich & D. Hawksw.: on <i>Cladonia</i>	Hawksworth 1985b Hawksworth 1994
clauzadei Nav.-Ros. & Cl. Roux: on <i>Xanthoria elegans</i>	Hawksworth & Diederich 1988 Hawksworth & Miadlikowska 1997a
crassum Vězda: on <i>Peltigera</i>	Kocourková & Berger 1999 Kondratyuk 2008
crespoeae Váczi & D. Hawksw.: on <i>Chondropsis</i>	Lord et al. 2013
decolorans Calat. & Triebel: on <i>Immersaria</i>	Matzer 1996
deformans R. Sant., nom. nud.: on <i>Placopsis</i>	Navarro-Rosinés 1992
dictyonematis Etayo & R. Sant.: on <i>Dictyonema</i>	Navarro-Rosinés & Roux 1990 Navarro-Rosinés & Roux 1998
diederichianum Nav.-Ros.: on <i>Placynthium</i>	Váczi & Hawksworth 2001 van den Boom 2010 van den Boom & Etayo 2014
dzieduszyckii (Boberski) D. Hawksw.: on <i>Bagliettoa</i>	Zhurbenko 2007b Zhurbenko 2010b Zhurbenko & Dillman 2010
epicrassum (H. Olivier) R. Sant.: on <i>Squamarina</i>	
epiphyllum Matzer: on foliicolous <i>Trichothelium</i>	
epizoharyi Calat. & V. Atienza: on <i>Buellia zoharyi</i>	
evae Calat. & V.J. Rico: on <i>Dimelaena</i>	
follmannii (C.W. Dodge) Alstrup: on <i>Lecidea cremoricolor</i>	

heterodermiae Calat.: on *Heterodermia*
hymeniicola (Berk. & Broome) Zhurb.: on
Lobaria
ibericum Etayo & van den Boom: on
Rinodina
infestans (Speg.) Etayo: on *Teloschistes*
innatum (Müll. Arg.) D. Hawksw.: on an
unidentified corticolous lichen
jamesii D. Hawksw.: on *Psoromidium*
kaernefeltii S. Y. Kondr.: on *Teloschistes*
kernerii J. Steiner: on *Lecidea fuscoatra*
laursenii Zhurb.: on *Cladonia*
longisporum Etayo: on *Pseudocyphellaria*
marmoratum (Kremp.) D. Hawksw.: on
Thelidium and *Verrucaria*
microcarpum Diederich & Etayo: on
Cladonia
microstictum (Leight.) Arnold: on
Acarospora and possibly *Buellia* and
Rhizocarpon
minutulum Kocourk. & F. Berger: on
Trapelia
montis-wilhelmii Diederich: on
Hypotrachyna
nigrosporum Etayo: on *Buellia aethalea*
opulentum (Th. Fr. & Almq.) Arnold: on
Polyblastia
peltigerae (Fuckel) Vězda: on *Peltigera*
psorae Zhurb. & Triebel: on *Anamylopsora*
pulcherrima
pulvinatum (Eitner) R. Sant.: on *Physcia*
rinodinae van den Boom: on *Rinodina*
rubellianae Calat. & V. Atienza: on

	<p><i>Caloplaca</i> rugulosarium (Linds.) D. Hawksw.: on <i>Caloplaca</i> serusiauxii Matzer: on foliicolous <i>Byssolecania</i> slaptoniense D. Hawksw.: on <i>Xanthoria</i> sporastatae Arnold: on <i>Sporastatia</i> squamarioides (Mudd) Arnold: on <i>Placopsis</i> stictaria (Linds.) D.J. Galloway: on <i>Pseudocyphellaria</i> superficiale D. Hawksw. & Miqdl.: on <i>Peltigera</i> teresum Halici & K. Knudsen: on <i>Xanthoria</i> tinantii Diederich: on <i>Caloplaca</i> trypethelioides (Th. Fr.) R. Sant.: on <i>Stereocaulon</i> umbilicariae (Linds.) D. Hawksw.: on <i>Lasallia</i> ventosicola Zhurb.: on <i>Ophioparma ventosa</i> vermicularium (Linds.) D. Hawksw.: on <i>Thamnolia</i> versisporum (Bagl. & Carestia) D. Hawksw.: on <i>Rhizocarpon geographicum</i> and an unidentified saxicolous lichen</p>			
<i>Pseudonitschkia</i>	<p>parmotrematis Coppins & S. Y. Kondr.: on <i>Parmotrema</i></p>	Coppins & Kondratyuk 1995		
<i>Pyrenidium</i>	<p>actinellum Nyl.: on <i>Leptogium</i> aggregatum Knudsen & Kocourk.: on <i>Phaeophyscia</i> and <i>Physcia</i> cryptotheciae Matzer: on foliicolous <i>Cryptothecia candida</i> hetairizans (Leight.) D. Hawksw.: on</p>	<p>Alstrup & Hawksworth 1990 Looman 1962 Lücking 1998 Matzer 1996</p>		

	<p><i>Staurothele</i> hyalosporum Alstrup, D. Hawksw. & R. Sant.: on <i>Placopsis</i> octosporum Looman: on an unidentified lichen santessonii Lücking: on <i>Bacidia psychotriae</i> and <i>Bapalmuia</i> sporopodiorum Matzer: on foliicolous <i>Sporopodium</i> zamia (Müll. Arg.) Matzer: on foliicolous <i>Porina</i></p>			
<p><i>Weddellomyces</i></p>	<p>aspiciicola Alstrup: on <i>Lobothallia</i> epicallopisma (Wedd.) D. Hawksw.: on <i>Caloplaca</i> and <i>Protoblastenia</i> erythrocarpae Nav.-Ros. & Cl. Roux: on <i>Caloplaca erythrocarpa</i> gasparrinia (C.W. Dodge) D. Hawksw. & Iturr.: on ?<i>Caloplaca</i> geographicola (Arnold) Alstrup & D. Hawksw.: on <i>Rhizocarpon</i> heterochrous Nav.-Ros. & Cl. Roux: on <i>Aspicilia</i> macrosporus D. Hawksw., Renob. & Coppins: on <i>Aspicilia calcarea</i> pachyosporicola Nav.-Ros. & Cl. Roux: on <i>Aspicilia</i> periphericus (Taylor) Alstrup & D. Hawksw.: on <i>Pertusaria pseudocorallina</i> protearius Nav.-Ros. & Cl. Roux: on <i>Caloplaca proteus</i> turcicus Halici & Orange: on <i>Acarospora</i> xanthoparmeliae Calat. & Nav.-Ros.: on <i>Xanthoparmelia</i></p>	<p>Alstrup 1992 Alstrup & Hawksworth 1990 Calatayud & Navarro-Rosinés 1998 Halici et al. 2006 Hawksworth 1978a Hawksworth 1986 Hawksworth 1990a Hawksworth & Iturriaga 2006 Navarro-Rosinés & Roux 1995 Navarro-Rosinés & Roux 1997b</p>		

<i>Macrographa</i>	antarctica Etayo: on <i>Nephroma antarcticum</i>	Etayo & Sancho 2008		
Naetrocymbaceae				
<i>Leptorhaphis</i>	haematommatus Hafellner & Kalb: on <i>Haematomma</i>	Kalb et al. 1995		
Parmulariaceae				
<i>Hemigrapha</i>	asteriscus (Müll. Arg.) D. Hawksw.: on <i>Peltigera</i> atlantica Diederich & Wedin: on <i>Sticta canariensis</i> nephromatis Wedin & Diederich: on <i>Nephroma australe</i> phaeospora Matzer & Lücking: on foliicolous <i>Strigula phyllogena</i> pilocarpacearum M. Cáceres & Lücking: on <i>Byssoloma</i> and <i>Fellhanera</i> pseudocyphellariae Diederich & Wedin: on <i>Pseudocyphellaria argyracea</i> strigulae Matzer: on foliicolous <i>Strigula</i> tenellula (Müll. Arg.) Matzer: on foliicolous <i>Porina</i>	Cáceres & Lücking 2000 Diederich & Wedin 2000 Eriksson et al. 2001 Hawksworth 1975b Matzer 1996		
Pseudoperisporiaceae				
<i>Epibryon</i>	conductrix (Norman) Nik.Hoffm. & Hafellner [= <i>Stigmidium catapyrenii</i> Cl. Roux & Triebel]: on <i>Catapyrenium</i> <i>cinereum</i> and <i>C. daedaleum</i> lichenicola Matzer: on <i>Mazosia</i> parvipunctum (Stein) Diederich: on <i>Thelidium</i> solorinae (Vain.) Nik. Hoffm. & Hafellner: on <i>Solorina</i>	Hoffmann & Hafellner 2000 Matzer 1996 Sérusiaux et al. 1999		
<i>Keratosphaera</i>	batistae H. B. P. Upadhyay: on foliicolous <i>Mazosia</i> [anamorphs: <i>Sphaeromma</i> <i>mazosiae</i> H. B. P. Upadhyay and	Matzer 1996		

	<p><i>Sporhaplus rondoniensis</i> H. B. P. Upadhyay]</p> <p>dimerellae Matzer: on foliicolous <i>Dimerella furcatiseta</i> Matzer: on foliicolous <i>Porina</i> [anamorph: <i>Sphaeromma furcatiseta</i> Matzer]</p> <p>multiseptata ...</p> <p>porinae Matzer: on foliicolous <i>Porina</i> [anamorph: <i>Sphaeromma porinae</i> Matzer]</p>			
<i>Myxophora</i>	<p>apotheciicola Nik. Hoffm. & Hafellner: on <i>Leptogium azureum</i></p> <p>leptogiophila (G. Winter) Nik. Hoffm. & Hafellner: on <i>Collema</i> and <i>Leptogium plicatile</i></p> <p>ovalispora Nik. Hoffm. & Hafellner: on <i>Collema</i></p> <p>placynthii Nik. Hoffm. & Hafellner: on <i>Placynthium caesium</i></p> <p>tetraspora Nik. Hoffm. & Hafellner: on <i>Collema flaccidum</i></p>	Hoffmann & Hafellner 2000		
<i>Neocoleroa</i>	<p>inundata (Vain.) Diederich: on <i>Bacidina</i></p> <p>lichenicola (Hansf.) M. E. Barr. subsp. lichenicola: on a foliicolous lichen</p> <p>lichenicola (Hansf.) M. E. Barr. subsp. bouteillei (Bricaud, Cl. Roux & Sérus.) Barr: on <i>Fellhanera bouteillei</i>, <i>Byssoloma</i> and possibly <i>Bacidina</i></p>	<p>Barr 1997</p> <p>Hawksworth 1980b</p> <p>Matzer 1996</p> <p>Roux et al. 1994</p> <p>Sérusiaux et al. 1999</p>		
Trichothyriaceae				
<i>Lichenopeltella</i>	<p>arctomiae Pérez-Ortega & T. Sprib.: on <i>Arctomia delicatula</i></p> <p>biatorae Pérez-Ortega & T. Sprib.: on <i>Biatora flavopunctata</i></p> <p>bunodophoronis Diederich: on</p>	<p>Aptroot et al. 1997</p> <p>Brackel 2011b</p> <p>Cole & Hawksworth 2002</p> <p>Earland-Bennett & Hawksworth 1999b</p> <p>Etayo 2010b</p>		

Bunodophoron
cetrariicola (Nyl.) R. Sant.: on *Cetraria*
and *Cetrariella*
cladoniarum E.S. Hansen & Alstrup: on
Cladonia subgen. *Cladina*
communis Etayo: on *Hypotrachyna*
coppinsii Earl.-Benn. & D. Hawksw.: on
Verrucaria
epiphylla R. Sant.: on foliicolous *Mazosia*
and *Porina*
heppiae van den Boom: on *Heppia*
heterodermiae Diederich: on
Heterodermia
heterodermiicola M.S. Cole & D.
Hawksw.: on *Heterodermia*
hydrophila R. Sant.: on *Verrucaria*
hypogymniae Diederich: on *Hypogymnia*
zeylanica
hypotrachynae Diederich: on
Hypotrachyna
leprosulae Pérez-Ortega & T. Sprib.: on
Myochroidea leprosula
leptogii Diederich: on *Leptogium*
lobariae Etayo & Diederich: on *Lobaria*
maculans (Zopf) Höhn.: on *Umbilicaria*
megalosporae Diederich: on *Megalospora*
microspora Diederich: on *Parmeliella*
minuta R. Sant.: on *Marchandiomphalina*
foliacea
pannariacearum Diederich: on
Pannariaceae
peltigericola (D. Hawksw.) R. Sant.: on
Peltigera

Etayo & Diederich 1996b
Etayo & Sancho 2008
Hansen & Alstrup 1995
Hariharan et al. 1996
Matzer 1996
Molitor & Diederich 1997
Pérez-Ortega & Spribille 2009
Santesson 1988
Santesson 1989
Santesson 1998
Santesson 2001
van den Boom & Giralt 2012
Zhurbenko 2010a

	<p>physciae Diederich: on <i>Physcia</i> pseudocyphellariae Diederich: on <i>Pseudocyphellaria</i> ramalinae Etayo & Diederich: on <i>Ramalina</i> rangiferinae Brackel: on <i>Cladonia</i> santessonii (P.M. Kirk & Spooner) R. Sant.: on <i>Peltigera</i> sclerenchymatica Etayo: on <i>Pseudocyphellaria</i> setifera Matzer: on foliicolous <i>Bacidia</i> stereocaulorum Zhurb.: on <i>Stereoculon</i> swaminathaniana Harih., Mibey & D. Hawksw.: on <i>Porina</i> thamnoliae R. Sant.: on <i>Thamnolia</i> thelidii Diederich: on <i>Thelidium</i></p>			
Incertae sedis				
<i>Ascohansfordiellopsis</i>	<p>deightonii D. Hawksw.: on foliicolous lichens insectivora (Hansf.) D. Hawksw.: on foliicolous lichens</p>	Hawksworth 1979a		
<i>Biciliopsis</i>	leptogicola Diederich: on <i>Leptogium</i>	Aptroot et al. 1997 Hoffmann & Hafellner 2000		
<i>Buelliella</i>	<p>colombiana Etayo: on <i>Phlyctis andensis</i> dirinariae Diederich: on <i>Dirinaria picta</i> eximia Kalb & Hafellner: on <i>Pyxine cocoes</i> inops (Triebel & Rambold) Hafellner: on <i>Caloplaca</i> heppiae van den Boom: on <i>Heppia arenacea</i> lecanorae Suija & Alstrup: on <i>Lecanora</i> minimula (Tuck.) Hafellner: on <i>Pertusaria</i> physciicola Poelt & Hafellner: on <i>Phaeophyscia</i> and <i>Physcia</i></p>	<p>Aptroot et al. 1997 Etayo 2002a Hafellner 1979 Hafellner 1985b Hafellner et al. 2008 Kalb 1990 Pérez-Ortega & Etayo 2010 Suija & Alstrup 2004 van den Boom 2010</p>		

	<p>poetschii Hafellner: on <i>Endocarpon</i></p> <p>protoparmeliopseos Etayo & Pérez-Ortega: on <i>Lecanora</i> gr. <i>muralis</i></p> <p>pusilla Hafellner: on <i>Brigantiaea leucoxantha</i></p> <p>trypethelii (Tuck.) Hafellner: on <i>Trypethelium</i></p>			
<i>Cercidospora</i>	<p>alpina Ihlen & Wedin: on <i>Stereocaulon cumulatum</i></p> <p>anomala Etayo: on <i>Pertusaria pertusa</i></p> <p>caudata Kernst.: on <i>Caloplaca</i></p> <p>cecidiiformans Grube & Hafellner: on <i>Rhizocarpon</i></p> <p>cephalodiorum Triebel & Grube: on <i>Pilophorus dovrensis</i></p> <p>cladoniicola Alstrup: on <i>Cladonia arbuscula</i></p> <p>crozalsiana (H. Olivier) Nav.-Ros., Cl. Roux & Casares: on <i>Squamarina</i></p> <p>decolorella (Nyl.) O. Eriksson & Yue: on terricolous algae, mosses and lichens</p> <p>epicallopisma Arnold: on <i>Caloplaca aurantia</i></p> <p>epicarphinea (Nyl.) Grube & Hafellner: on <i>Caloplaca</i> gr. <i>carphinea</i></p> <p>epipolytropa (Mudd) Arnold: on <i>Lecanora</i></p> <p>epithamnolia Zhurb.: on <i>Thamnolia</i></p> <p>exiguella (Nyl.) Arnold: on <i>Rinodina mniaraea</i></p> <p>galligena Hafellner & Nav.-Ros.: on <i>Aspicilia</i></p> <p>lecidomae Zhurb. & Triebel: on <i>Lecidoma demissum</i></p>	<p>Alstrup 1997</p> <p>Alstrup et al. 1994</p> <p>Clauzade et al. 1989</p> <p>Etayo 2010a</p> <p>Hafellner 1987b</p> <p>Hafellner 1993</p> <p>Hafellner & Obermayer 1995</p> <p>Ihlen 1995</p> <p>Ihlen 1998</p> <p>Ihlen & Wedin 2007</p> <p>Navarro-Rosinés et al. 1995</p> <p>Navarro-Rosinés et al. 2004</p> <p>Navarro-Rosinés et al. 2009</p> <p>Triebel 1989</p> <p>Triebel & Scholz 2001</p> <p>Zhurbenko 2010b</p> <p>Zhurbenko 2012</p> <p>Zhurbenko & Triebel 2003</p> <p>Zhurbenko et al. 1995</p>		

lobothalliae Nav.-Ros. & Calat.: on
Lobothallia

macrospora (Uloth) Hafellner & Nav.-
Ros.: on *Lecanora muralis*

melanophthalmae Nav.-Ros., Calat. &
Hafellner, nom. nud.: on *Rhizoplaca*
melanophthalma

mutabilicola Calat. et al., nom. nud.: on
Megaspora verrucosa var. *mutabilis*

ochrolechia Zhurb.: on *Ochrolechia* and
Pertusaria coriaceae

parva Hafellner & Ihlen: on *Baeomyces*

pluriseptata (Nyl.) Arnold: on crustose
saxicolous lichens

punctillata (Nyl.) R. Sant. [= *C. lichenicola*
(Zopf) Hafellner]: on *Solorina* and
Peltigera

solearispora Calat., Nav.-Ros. & Hafellner:
on *Aspicilia*

soror Obermayer & Triebel: on
Arthrorhaphis citrinella

stereocaulorum (Arnold) Hafellner: on
Stereocaulon

thamnogalloides Zhurb.: on *Thamnolia*

thamnoliae Zhurb.: on *Thamnolia*

thamnoliicola Ihlen: on *Thamnolia*

trypetheliza (Nyl.) Hafellner & Obermayer
[= *C. arthrorhaphidicola* Alstrup]: on
Arthrorhaphis alpina

verrucosaria (Linds.) Arnold: on
Megaspora

wernerii Nav.-Ros., Calat. & Hafellner: on
Aspicilia

	xanthoriae (Wedd.) R. Sant.: on <i>Xanthoria</i>			
<i>Chalara</i>	lichenicola M. S. Christ.: on <i>Cladonia</i> lobariae Etayo: on <i>Lobaria pulmonaria</i> pseudocyphellariae Etayo: on <i>Pseudocyphellaria</i>	Christiansen 1993 Etayo & Diederich 1996b Etayo & Sancho 2008		
<i>Echinothecium</i>	aerophilum Alstrup & M. S. Cole: on <i>Alectoria</i> cladoniae Keissl.: on <i>Cladonia</i> reticulatum Zopf: on <i>Parmelia</i>	Alstrup & Cole 1998 Clauzade et al. 1989 Roux & Triebel 1994	reticulatum : Culture obtained by Crittenden et al. (1995)	
<i>Fusicladium</i>	<i>peltigericola</i> Crous & Diederich: isolated from <i>Peltigera</i> , possibly lichenicolous	Crous et al. 2011	peltigericola : CBS 128206	peltigericola (CBS 128206): nrSSU+ITS+nrLSU: HQ599579
<i>Hobsoniopsis</i>	santessonii (Lowen & D. Hawksw.) D. Hawksw.: on <i>Peltigera</i> , mainly <i>P.</i> <i>scabrosa</i>	Lowen et al. 1986 Sikaroodi et al. 2001	santessonii : ATCC 200311	santessonii (ATCC 200311): nrSSU: AF289658
<i>Karschia</i>	alpicolae D. Hawksw. & Alstrup: on <i>Allantoparmelia alpicola</i> santessonii Hafellner: on <i>Porpidia</i> talcofila (Flot.) Koerb.: on <i>Diploschistes</i>	Alstrup & Hawksworth 1990 Hafellner 1979 Santesson 1994a		
<i>Koordersiella</i>	deightonii (D. Hawksw.) D. Hawksw. & O. E. Erikss.: on foliicolous <i>Porina</i> and ?Gomphillaceae [anamorph: <i>Hansfordiellopsis elongata</i> D. Hawksw.] insectivora (Hansf.) D. Hawksw. & O. E. Erikss.: on foliicolous <i>Asterothyrium</i> [anamorph: <i>Hansfordiellopsis lichenicola</i> (Bat. & Maya) Deight.] javanica Höhn.: on Gomphillaceae Hansfordiellopsis minuta D. Hawksw.: on foliicolous lichens Hansfordiellopsis tenuissima D. Hawksw.: on foliicolous lichens Hansfordiellopsis variegata D.	Eriksson & Hawksworth 1987 Hawksworth 1979a Matzer 1996		

	Hawksw.: on foliicolous lichens, incl. <i>Bullatina aspidota</i>			
<i>Lanatosphaera</i>	dimerellae Matzer: on foliicolous <i>Dimerella epiphylla</i> porinicola Matzer: on foliicolous <i>Porina epiphylla</i>	Matzer 1996		
<i>Monodictys</i>	anaptychia (Lindau) D. D. Hawksw.: on <i>Anaptychia</i> cellulosa S. Hughes [?= <i>lepraria</i> (Berk.) M. B. Ellis]: on various crustose, corticolous lichens epilepraria Kukwa & Diederich: on <i>Lepraria</i>	Etayo & Diederich 1996b Hawksworth 1975a Hawksworth 1979a	lepraria : UAMH; DUM lepraria : CBS 533.77	
<i>Pseudorobillarda</i>	peltigerae Diederich: on <i>Peltigera</i>	van den Boom et al. 1998		
<i>Rhabdospora</i>	haematommatum Kalb & Hafellner: on <i>Haematomma</i>	Kalb et al. 1995		
<i>Rosellinula</i>	frustulosae (Vouaux) R. Sant.: on <i>Lecanora frustulosa</i> and <i>L. argopholis</i> haplospora (Th. Fr.) R. Sant.: on <i>Aspicilia</i> and <i>Bellemerea</i> kalbii (Hafellner) Hafellner & R. W. Rogers: on <i>Haematomma puniceum</i> lopadii (Vouaux) D. J. Galloway: on <i>Brigantiaea</i>	Galloway 2004 Hafellner 1985a Hafellner 2004		
<i>Sphaerellothecium</i>	abditum Triebel: on <i>Immersaria</i> and <i>Lecidea</i> araneosum (Arnold) Zopf: on <i>Ochrolechia</i> , <i>Pertusaria</i> and <i>Varicellaria</i> atryneae (Arnold) Cl. Roux & Triebel: on <i>Lecanora bicincta</i> , <i>L. cenisia</i> , <i>L. rupicola</i> and <i>L. swartzii</i> breussii K. Knudsen, Kocourk. & Etayo: on <i>Placidium lacinulatum</i>	Alstrup & Cole 1998 Diederich 2007b Diederich & Zhurbenko 2009 Etayo 2008 Etayo & Diederich 1998 Etayo & Sancho 2008 Hafellner 1993 Hansen & Alstrup 1995 Hawksworth & Iturriaga 2006 Knudsen et al. 2009 Roux & Triebel 1994		

<p>buelliae (C.W. Dodge) D. Hawksw. & Iturr.: on <i>Buellia</i></p> <p>cinerascens Etayo & Diederich: on <i>Cladonia parasitica</i></p> <p>cladoniae (Alstrup & Zhurb.) Hafellner: on <i>Cladonia</i> subgen. <i>Cladonia</i> and <i>Stereocaulon</i></p> <p>cladoniicola E. S. Hansen & Alstrup: on <i>Cladonia</i> subgen. <i>Cladina</i></p> <p>conioides (Nyl.) Cl. Roux & Diederich: on <i>Baeomyces rufus</i></p> <p>contextum Triebel: on <i>Calvitimela</i>, <i>Protoparmelia</i>, <i>Rhizocarpon</i>, <i>Rhizoplaca</i> and <i>Sporastatia</i></p> <p>epilecanora Zhurb.: on <i>Lecanora epibryon</i></p> <p>episquamarinae Etayo: on <i>Squamarina</i> <i>lentigera</i></p> <p>gallowayi Diederich: on <i>Heterodermia</i></p> <p>giraltiae van den Boom: on <i>Rinodina</i></p> <p>gowardii Alstrup & M. S. Cole: on <i>Acarospora schleicheri</i></p> <p>icmadophilae (R. Sant.) Zhurbenko: on <i>Icmadophila ericetorum</i></p> <p>minutum Hafellner: on <i>Sphaerophorus</i></p> <p>pannariacearum Etayo: on <i>Pannaria</i></p> <p>parietinarium (Linds.) Hafellner & V. John: on <i>Xanthoria</i></p> <p>parmeliae Diederich & Etayo: on <i>Parmelia</i></p> <p>phaeorrhizae Diederich & Zhurb.: on <i>Phaeorrhiza sareptana</i></p> <p>propinquellum (Nyl.) Cl. Roux & Triebel: on <i>Lecanora carpinea</i> group</p> <p>soechtingii Zhurb. & Alstrup: on</p>	<p>Triebel 1989 Triebel et al. 1991 van den Boom 2010 Zhurbenko 2007b Zhurbenko 2008 Zhurbenko 2012 Zhurbenko & Alstrup 2004 Zhurbenko & Brackel 2013 Zhurbenko & Triebel 2008</p>		
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	<p><i>Arthrorhaphis alpina</i> stereocaulorum Zhurb.: on <i>Stereocaulon</i> subtile Triebel & Rambold: on <i>Teloschistes</i> thamnoiae Zhurb.: on <i>Thamnoia</i> thamnoiae Zhurb. var. taimyricum Zhurb.: on <i>Thamnoia</i></p>			
<i>Sporidesmium</i>	<p>bacidiicola Alstrup: on <i>Bacidia rubella</i> lichenicola Iturr., D. Hawksw. & J. L. Crane: on <i>Leptogium</i></p>	Alstrup (1991) Iturriaga et al. (2008)		
<i>Stromatopogon</i>	<p>baldwinii Zahlbr.: on <i>Usnea</i> cladoniae Diederich & Sérus.: on <i>Cladonia</i> geminatum: on <i>Usnea</i></p>	Diederich 1992a Diederich & Sérusiaux 2003 Etayo & Breuss 2004		
<i>Teratoschaeta</i>	<p>rondoniensis Bat. & O. M. Fonseca: on foliicolous <i>Mazosia</i> and other Roccellaceae [anamorph: <i>Ampullifera</i> <i>amoeboides</i>] Ampullifera foliicola Deight.: on foliicolous lichens Ampullifera hippocrateacearum (Bat. & Caval.) D. Hawksw.: on foliicolous <i>Mazosia</i> and other lichens Ampullifera leonensis Deight.: on foliicolous lichens Ampullifera pirozynskii D. Hawksw.: on foliicolous lichens Ampullifera ugandensis Deight.: on foliicolous lichens</p>	Matzer 1996		
<i>Trematosphaeriopsis</i>	<p>parmeliana (Jacz.) Elenkin: on <i>Xanthoparmelia</i></p>	Hafellner 2001		

Home

	Species (lichenicolous fungi in bold; lichenicolous lichens or facultative lichenicolous fungi in italics)	Significant literature	Cultures (with accession numbers when known; culture collection links)	Sequences (with accession numbers)
ASCOMYCOTA				
Arthoniales				
Arthoniaceae				
<i>Arthonia</i> s. lat. [incl. anam. <i>Helicobolomyces</i> and <i>Subhysteropycnis</i>]	abrothallina Nyl.: on <i>Pseudocyphellaria</i> almquistii Vain.: on <i>Amygdalaria</i> , <i>Koerberiella</i> , <i>Porpidia</i> and <i>Trapelia</i> amylospora Almq.: on <i>Porpidia</i> and <i>Farnoldia</i> anatolica Halici & Candan: on <i>Aspicilia</i> <i>contorta</i> anjutii S. Y. Kondr. & Alstrup: on <i>Teloschistes velifer</i> apotheciorum (A. Massal.) Almq.: on <i>Lecanora albescens</i> arthoniicola Diederich & Aptroot: on <i>Arthonia catenulata</i> aspiciliae (Metzl.) S. Y. Kondr.: on <i>Aspicilia</i> atropunctata Vain.: on sterile foliicolous cf. <i>Echinoplaca</i> ayseniae Halici & Candan: on <i>Acarospora</i> [as ‘ <i>aysenae</i> ’] badia Wedin & Hafellner: on <i>Pseudocyphellaria granulata</i> biatoricola Ihlen & Owe-Larss.: on <i>Biatora</i> <i>efflorescens</i> caerulescens (Almw.) R. Sant.: on <i>Lecanora</i> <i>varia</i> ceracea Etayo & Breuss: on <i>Peltigera</i> <i>polydactylon</i> [a homonym of <i>Arthonia</i>	Alstrup 1993a Alstrup & Cole 1998 Alstrup & Hansen 2001 Alstrup & Olech 1996 Alves et al. 2014 Aptroot et al. 1995 Aptroot et al. 1997 Calatayud et al. 1995 Calatayud et al. 2004 Candan & Halici 2009 Diederich 1995 Ertz et al. 2005 Etayo 1993 Etayo 1996 Etayo 2002a Etayo 2008 Etayo 2010b Etayo 2010c Etayo & Breuss 1998 Etayo & Diederich 2009 Etayo & Sancho 2008 Follmann & Werner 2003 Grube & Matzer 1997 Grube et al. 1995 Halici 2008 Halici & Candan 2009 Halici & Candan 2011 Hawksworth 1991a Hawksworth & Iturriaga 2006 Hertel 1969 Horáková 1994 Ihlen et al. 2004		

ceracea Fée]

cinnabarinula Müll. Arg.: on foliicolous

Porina and *Trichothelium* [anamorph:
Helicobolomyces lichenicola Matzer]

circinata Th. Fr.: on *Umbilicaria*

clemens (Tul.) Th. Fr.: on *Rhizoplaca*

cohabitans Coppins: on *Arthothelium*
reagens

colombiana Etayo: on *Cladonia*

coriifoliae Wedin & Hafellner: on
Pseudocyphellaria coriifolia

coronata Etayo: on *Flavoparmelia caperata*

cryptotheciae Matzer & R. Sant.: on
foliicolous *Cryptothecia candida*

darbishirei Follmann & Werner: on *Roccella*
nigerrima

destruens Rabenh.: on *Physcia*

destruens var. **nana** Grube & Hafellner: on
Xanthoria fallax

digitatae Hafellner: on *Cladonia digitata*

digitispora Etayo: on *Sticta* [as '*digitispora*']

diorygmae S. Joshi, D. K. Upreti & S.
Nayaka: on *Diorygma*

diploiciae Calat. & Diederich: on *Diploicia*
canescens

epicladonia (Nyl.) Alstrup & Zhurb.: on
Cladonia

epifarinosa Etayo: on *Pannaria*

epimela (Norman) I. M. Lamb: on *Buellia*
punctata

epiphyscia Nyl.: on *Physcia*

epitoninia Halici & Candan: on *Toninia*

excentrica Th. Fr.: on *Lepraria* and

Joshi et al. 2013

Kalb et al. 1995

Kantvilas & Vězda 1992

Kärnefelt et al. 2002

Kondratyuk 1996a

Kondratyuk & Zelenko 2002

Matzer 1996

Santesson 1993a

Santesson et al. 2004

Triebel et al. 1991

Wedin & Kondratyuk 1997

Leprocaulon

farinacea (H. Olivier) R. Sant.: on *Ramalina farinacea*

flavicantis Wedin & Hafellner: on *Pseudocyphellaria flavicans*

follmaniana Diederich: on *Roccella*

fuscopurpurea (Tul.) R. Sant.: on *Peltigera*

galactinaria Leight.: on *Lecanora dispersa* group

garajonayi Etayo: on *Porina*

gelidae R. Sant.: on *Placopsis gelida*

glacialis Alstrup & E. S. Hansen: on *Rhizoplaca melanophthalma*

glaucomaria (Nyl.) Nyl.: on *Lecanora rupicola*

graphidicola Coppins: on *Graphis scripta*

haematommatum Kalb & Hafellner: on *Haematomma*

haematostigma Grube & Hafellner: on *Ramalina*

hawksworthii Halici: on *Dimelaena*

hertelii (Calat., Barreno & V. J. Rico) Hafellner & V. John: on *Aspicilia*

Mycopographa hymeniicola Vain.: on *Lecanora* [a poorly known species]

ingaderiae Follmann: on *Ingaderia*

insidiens (Vouaux) Clauzade, Diederich & Cl. Roux (comb. inval.): on *Ramalina fraxinea*

intermedia Matzer: on foliicolous *Phyllobiale* and *Porina*

intexta Almq.: on *Lecidella*

invadens Coppins: on *Schismatomma*

japewiae Grube & Holien: on *Japewia*

lecanoricola Alstrup & Olech: on *Lecanora populicola* [as '*lecanoriicola*']]

lecanorina (Almq.) R. Sant.: on *Lecanora albella*

lepidiota (H. Olivier) R. Sant.: on *Fuscopannaria praetermissa*

lepidophila (Anzi) Clauzade, Diederich & Cl. Roux (comb. inval.): on *Cladonia*

lethariicola Alstrup & M. S. Cole: on *Letharia*

lobothalliae Etayo: on *Lobothallia alphoplaca*

maculiformis Wedin & Hafellner: on *Pseudocyphellaria glabra* and *P. homoeophylla*

marginalis Etayo: on *Pseudocyphellaria*

mazosiicola Matzer & R. Sant.: on foliicolous *Mazosia*

microsticta Vain.: on foliicolous cf. *Fellhanera bouteillei*; a species of doubtful application

minuta Wedin & Hafellner: on *Pseudocyphellaria coriifolia*

molendoi (Frauenf.) R. Sant.: on *Caloplaca* and *Xanthoria*

navasiana Etayo: on *Lepraria*

neglectula Nyl.: on a sterile, sorediate crust (*Lepraria neglecta?*)

nephromiaria Nyl.: on *Nephroma*

nideri (J. Steiner) Clauzade, Diederich & Cl. Roux: on *Caloplaca* gr. *variabilis*

obscurior Triebel: on *Pilophorus dovrensis*

oligospora Vězda: on *Lecanora crenulata*

pantherina Etayo: on *Pertusaria pustulata*
parmeliae (C. W. Dodge & G. E. Baker) D.
Hawksw. & Iturr.: on *Physcia caesia*
peltigerea Th. Fr.: on *Peltigera* and *Solorina*
peltigerina (Almq.) H. Olivier: on *Peltigera*
and *Solorina*
pelvetii (Hepp) H. Olivier: on
Pseudocyphellaria aurata
phaeophysciae Grube & Matzer: on
Phaeophyscia
plectocarpoides (S. Y. Kondr. & D. J.
Galloway) Wedin & S. Y. Kondr.: on
Pseudocyphellaria scabrosa
polia Etayo & R. Sant.: on *Diploicia canescens*
prominens Follmann: on *Ingaderia*
gracillima
protoparmeliae Etayo: on *Protoparmelia*
badia
protoparmeliopseos Etayo & Diederich: on
Lecanora muralis
pseudocyphellariae Wedin: on
Pseudocyphellaria multifida
pseudopegraphina Matzer: on foliicolous
Mazosia
punctella Nyl.: on *Diplotomma*
rimeliicola Diederich: on *Parmotrema*
rinodinicola Candan & Halici: on *Rinodina*
oleae
rubescens (Arnold) Clauzade, Diederich &
Cl. Roux: on *Buellia epipolia*
rufidula (Hue) D. Hawksw., R. Sant. &
Øvstedal: on *Umbilicaria*
sagenedii Vězda & Kantvilas: on *Sagenidium*

molle

sampaiana (Diederich & Etayo) Ertz & Diederich: on *Fuscopannaria sampaiana*

santessoniana Wedin & Hafellner: on *Pseudocyphellaria scabrosa*

santessonii Matzer: on foliicolous *Porina*

semi-immersa Wedin & Hafellner: on *Pseudocyphellaria*

sherparum Grube & Matzer: on *Lecanora sherparum*

squamarinae Etayo: on *Squamarina lentigera*

stereocaulina (Ohlert) R. Sant.: on *Stereocaulon*

stictaria Nyl.: on *Pseudocyphellaria*

stipitata M. M. E. Alves, Aptroot & M. Cáceres: on unidentified sterile, sorediate, corticolous lichen (?*Bacidina*, *Fellhanera*)

subaggregata Wedin & Hafellner: on *Pseudocyphellaria hirsuta*

subconveniens Nyl.: on *Lobaria*

subfuscicola (Linds.) Triebel: on *Lecanora albella* and *L. carpinea*

subvelutinae (Vain.) R. Sant.: on foliicolous *Sporopodium*

sytnikii S. Y. Kondr.: on *Xanthoria*

tavaresii Grube & Hafellner: on *Anthracotheceum* and *Pyrenula*

tetraspora S. Y. Kondr. & Kärnefelt: on *Caloplaca chilensis*

thelotrematis Coppins: on *Thelotrema*

tremelloides Etayo: on *Heterodermia*

triebeliae Zhurb.: on *Dactylina*

	<p>urceolata (Elenkin) Calat., Barreno & V. J. Rico: on <i>Aspicilia</i></p> <p>varians (Davies) Nyl.: on <i>Lecanora rupicola</i> and <i>L. helicopis</i></p> <p>versoensis Alstrup: on <i>Buellia punctata</i> [= <i>A. aggregata</i> Alstrup, M. S. Christ. & Hafellner]</p> <p>xanthoparmeliarum Etayo: on <i>Xanthoparmelia</i></p>			
<i>Briancoppinsia</i>	<p>cytopora (Vouaux) Diederich, Ertz, Lawrey & van den Boom: on parmelioid lichens, <i>Lecanora conizaeoides</i>, <i>Cladonia</i> and <i>Pertusaria</i></p>	Diederich et al. 2011/2012	cytopora : CBS 128707 TYPE CULTURE	<p>cytopora (CBS 218707): nrLSU: JF830769; mtSSU: JF830771</p> <p>cytopora (Ertz 15244): nrLSU: JF830770; mtSSU: JF830772</p>
Lecanographaceae				
<i>Lecanographa</i>	<p>imitans Werner & Follmann: on <i>Roccella humboldtiana</i></p> <p>occidentalis Egea & Torrente: on <i>Roccellina</i></p> <p>rinodinae (Vězda) R. Sant.: on <i>Phaeorrhiza nimbose</i></p>	Egea & Torrente 1994 Follmann & Werner 2003		
<i>Phacographa</i>	<p>glaucomaria (Nyl.) Hafellner: on <i>Lecanora rupicola</i> s. lat. (incl. <i>L. bicincta</i>)</p> <p>protoparmeliae Hafellner: on <i>Protoparmelia badia</i></p> <p>zwackhii (Zwackh) Hafellner: on <i>Phlyctis</i></p>	Hafellner 2009		
<i>Plectocarpon</i>	<p>arthonioides Diederich: on <i>Lobaria isidiophora</i></p> <p>bunodophori Wedin, Ertz & Diederich: on <i>Bunodophoron patagonicum</i></p> <p>cladoniae R. Sant.: on <i>Cladonia</i></p> <p>concentricum Ertz, Diederich & Wedin: on <i>Pseudocyphellaria homeophylla</i></p> <p>coppinsii Ertz & Diederich: <i>Pseudocyphellaria crocata</i></p>	Aptroot et al. 1997 Cáceras et al. 2001 Diederich & Etayo 1994 Ertz & Diederich 2007 Ertz & van den Boom 2012 Ertz et al. 2003 Ertz et al. 2005 Etayo 2007 Etayo & Sancho 2008 Hawksworth & Galloway 1984 Kukwa et al. 2012		

cristalliferum Christnach, Ertz & Diederich:
on *Sticta*
dirinariae Ertz & van den Boom: on
Dirinaria
encausticum (Nyl.) R. Sant.: on *Brodoa*
intestiniiformis
gallowayi (S. Y. Kondr.) Ertz & Diederich:
on *Pseudocyphellaria dissimilis*
gayanum Etayo: on *Siphula*
hypogymniae Zhurb. & Diederich: on
Hypogymnia bitteri
lambinonii Diederich & Etayo: on *Lobaria*
and *Pseudocyphellaria anomala*
latisporum Ertz, Diederich & Wedin: on
Pseudocyphellaria coriifolia
leuckertii (S. Y. Kondr. & D. J. Galloway)
Ertz & Diederich: on *Pseudocyphellaria*
intricata and *P. norvegica*
lichenum (Sommerf.) D. Hawksw.: on
Lobaria pulmonaria, *Pseudocyphellaria*
anomala and *P. anthraspis*
linitae (R. Sant.) Wedin & Hafellner: on
Lobaria linita
macaronesiae Diederich, Etayo & Sérus.: on
Lobaria immixta and *L. macaronesiae*
melanohaleae Christnach, Ertz & Diederich:
on *Melanohalea ushuaiensis*
nashii Hafellner: on *Niebla robusta*
nephromeum (Norman) R. Sant.: on
Nephroma bellum
obtectum Ertz & Diederich: on
Pseudocyphellaria encoensis
opegraphoideum Christnach, Ertz,
Diederich & Wedin: on *Pseudocyphellaria*

Santesson 1993a
Santesson 1994a
Scholz 1998
Wedin & Hafellner 1998
Zhurbenko et al. 2008

	<p><i>homeophylla</i> and <i>P. multifida</i></p> <p>peltigerae Zhurb., Ertz, Diederich & Miadl.: on <i>Peltigera leucophlebia</i></p> <p>pseudocyphellariae Diederich: on <i>Pseudocyphellaria gilva</i></p> <p>pseudoleuckertii Diederich, Ertz & Wedin: on <i>Pseudocyphellaria coriifolia</i></p> <p>pseudosticta Fée: on <i>Pseudocyphellaria</i> <i>freycinetii</i> and <i>P. glabra</i></p> <p>aff. pseudosticta Fée: on <i>Pseudocyphellaria</i> <i>intricata</i></p> <p>scrobiculatae Diederich & Etayo: on <i>Lobari(n)a scrobiculata</i></p> <p>serusiauxii Ertz & Diederich: on <i>Sticta</i></p> <p>stereocaulicola Kukwa, Etayo & Flakus: on <i>Stereocaulon</i></p> <p>sticticola Ertz, Wedin & Diederich: on <i>Sticta</i></p> <p>tibellii Ertz & Diederich: on <i>Pseudocyphellaria rubella</i></p> <p>triebelsiae Diederich & Ertz: on <i>Lobaria</i> <i>quercizans</i></p> <p>usneae Diederich & Etayo: on <i>Usnea</i> <i>exasperata</i></p> <p>usneaustralis Etayo: on <i>Usnea</i></p> <p>venustum Ertz, Coppins & Diederich: on <i>Nephroma papillosum</i></p> <p>violaceum Ertz, R. Sant., Diederich & Wedin: on <i>Nephroma antarcticum</i></p>			
Opegraphaceae				
<i>Opegrapha</i> s. lat.	<p>agelaea Fée: on pyrenocarpous lichen</p> <p>anomea Nyl.: on <i>Ochrolechia</i> and <i>Pertusaria</i></p> <p>bacidiae R. Sant.: on '<i>Bacidia</i>' <i>brasiliensis</i></p> <p>blakii Ertz & Diederich: on cf. <i>Ochrolechia</i></p>	<p>Alstrup & Hawksworth 1990</p> <p>Aptroot et al. 1997</p> <p>Awasthi 1991</p> <p>Clauzade et al. 1989</p> <p>Coppins & Kondratyuk 1998</p>		

brevis Coppins: on <i>Thelotrema petractoides</i>	Ertz 2009
brevissima Kalb & Hafellner: on <i>Haematomma</i>	Ertz & Diederich 2003
brigantina Hafellner: on <i>Brigantiaea</i>	Ertz et al. 2004
buelliae Zhurb.: on <i>Buellia insignis</i>	Ertz et al. 2005
cladoniicola Ertz & Diederich: on <i>Cladonia</i>	Etayo 1996
cryptotheciae Matzer: on foliicolous <i>Cryptothecia</i>	Etayo 2007
diffRACTICOLA R. C. Harris & Ladd: on <i>Bacidia diffracta</i>	Etayo 2010b
ectolechiacearum Matzer & R. Sant.: on foliicolous <i>Calopadia</i> , <i>Loflamnia</i> and <i>Sporopodium</i>	Etayo & Aptroot 2006
encephalographoidea Diederich & Aptroot: on <i>Pyrenula</i>	Etayo & Sancho 2008
enterographae Etayo & R. Sant.: on <i>Enterographa</i>	Follmann & Werner 2003
epiporina Matzer: on foliicolous <i>Phyllobiale</i> and <i>Porina</i>	Hafellner 1985b
foreaui (Moreau) Hafellner & R. Sant.: on <i>Heterodermia</i>	Hafellner 1994a
<i>Leciographa furfuracea</i> (Anzi) Rehm: on <i>Lecanora rupicola</i> and <i>Rhizocarpon</i> [a poorly known species]	Hafellner 2007
geographicola (Arnold) Hafellner: on <i>Rhizocarpon</i>	Harris & Ladd 2007
gregalis Vain.: on pyrenocarpous lichen <i>Leciographa gyrolophii</i> (A. Massal.) Vouaux: on <i>Dictyonema</i> [a poorly known species]	Isbrand & Alstrup 1992
hellespontica Vondrák & Kocourk.: on <i>Caloplaca aurantia</i>	Kalb & Elix 1995
insidens (J. Steiner) S. Y. Kondr.: on	Kalb et al. 1995

Ertz 2009
 Ertz & Diederich 2003
 Ertz et al. 2004
 Ertz et al. 2005
 Etayo 1996
 Etayo 2007
 Etayo 2010b
 Etayo & Aptroot 2006
 Etayo & Sancho 2008
 Follmann & Werner 2003
 Hafellner 1985b
 Hafellner 1994a
 Hafellner 2007
 Harris & Ladd 2007
 Isbrand & Alstrup 1992
 Kalb & Elix 1995
 Kalb et al. 1995
 Kondratyuk & Galloway 1995c
 Kondratyuk & Kudratov 2002
 Lücking 1998
 Matzer 1996
 Navarro-Rosinés & Hladun 1995
 Orange 2002
 Triebel 1989
 Vondrák & Kocourková 2008
 Zhurbenko 2009b
 Zhurbenko 2013a

Caloplaca and *Verrucaria*

invadens Etayo: on *Pannaria farinosa*

kalbii Matzer: on foliicolous *Byssoloma*

lamyi (Nyl.) Triebel: on corticolous *Lecanora*

lichenicola Thor, Lücking & Tat. Matsumoto:
on *Porina*

maligna Triebel: on *Lecidea fuscoatra*

matzeri Lücking: on foliicolous

Amazonomyces sprucei

mazosiae Matzer: on foliicolous *Mazosia*

melanospila Müll. Arg.: on *Parmotrema*

Leciographa nephromatis Stein: on
Nephroma

nigeriensis C. W. Dodge: on *Thelotrema*

parasitica (A. Massal.) H. Olivier: on
Aspicilia calcarea

perturbans Follmann: on *Ingaderia*
pulcherrima

pertusariicola Coppins & P. James: on
Pertusaria leioplaca

phaeophysciae R. Sant., Diederich, Ertz &
Christnach: on *Phaeophyscia hispidula*

phlyctidicola (Vouaux) Etayo: on *Phlyctis*

phyllobathelii Matzer & R. Sant.: on
foliicolous *Phyllobathelium*

phylloporinae Müll. Arg.: on foliicolous
Porina

physcidiae Kalb & Elix: on *Physcidia*
australasica

pigozziana Etayo & Aptroot: on *Thelotrema*

plectocarpoidea Diederich: on
Phaeographis

porinicola Matzer: on foliicolous *Phyllobiale*

and *Porina*

pulvinata Rehm: on *Dermatocarpon*, possibly also on *Catapyrenium*, *Endocarpon* and *Staurothele*

pulvinata var. **placidiicola** Zhurb.: on *Placidium*

reactiva (Alstrup & D. Hawksw.) Etayo & Diederich: on *Hymenelia lacustris*

reinkellae Follmann: on *Roccella lirellina*

romsae S. Y. Kondr. & Kudratov: on *Staurothele areolata*

rupestris Pers.: on *Verrucaria* [incl. *O. centrifuga*]

aff. **rupestris 1** [Vondrák & Kocourková 2008]: on *Caloplaca cirrochroa*

aff. **rupestris 2** [Vondrák & Kocourková 2008]: on *Caloplaca variabilis*

rotunda Hafellner: on *Physconia distorta*

rouxiana Nav.-Ros. & Hladun: on *Polyblastia nidulans*

sipmanii Matzer: on foliicolous *Porina*

sphaerophoricola Isbrand & Alstrup: on *Sphaerophorus globosus*

stereocaulicola Alstrup & D. Hawksw.: on *Stereocaulon*

stigmodes Nyl.: on *Porina*

strigulae Matzer & R. Sant.: on foliicolous *Strigula*

submaritima Hafellner: on *Tephromela atra*

tenuior Stirt.: on *Thelotrema*

thelotrematis Coppins: on *Thelotrema lepadinum* and *T. macrosporum*

uniseptata Matzer: on foliicolous *Strigula*

	velata (Müll. Arg.) Vain.: on foliicolous <i>Actinoplaca</i> , <i>Calenia</i> , ? <i>Echinoplaca</i> and <i>Gyalectidium</i> vulpina Vondrák, Kocourk. & Tretiach: on <i>Caloplaca erodens</i>			
<i>Paralecanographa</i>	grumulosa (Dufour) Egea & Torrente [incl. <i>L. hemisphaerica</i> (Laundon) Egea & Torrente]: on <i>Rocella</i> , rarely on <i>Dirina</i> , <i>Gorgadesia</i> or <i>Opegrapha</i>	Egea & Torrente 1994		
Roccellaceae				
<i>Enterographa</i>	epiphylla (Sérus.) Ertz, Diederich & Sparrius: on foliicolous <i>Coenogonium flavicans</i> mazosiae Matzer & R. Sant.: on foliicolous <i>Mazosia</i> osagensis C. A. Morse: on <i>Bacidina</i> punctata Ertz & Diederich: on <i>Lobaria</i>	Ertz et al. 2005 Matzer 1996 Morse 2013		
<i>Mazosia</i>	adelphoparasitica Matzer: on foliicolous <i>Mazosia</i>	Matzer 1996		
<i>Sigridea</i>	labyrinthica (Follmann) Ertz & Diederich: on <i>Rocella portentosa</i>	Ertz et al. 2005		
Incertae sedis				
<i>Arthophacopsis</i>	parmeliarum Hafellner: on <i>Parmelia</i> s. str.	Hafellner 1998a		
<i>Paradoxomyces</i>	nymanii Matzer: on foliicolous <i>Strigula</i>	Matzer 1996		
<i>Perigrapha</i>	nitida Ertz, Diederich, Christnach & Wedin: on <i>Pseudocyphellaria glabra</i> phaeophysciae Etayo & Pérez-Vargas: on <i>Phaeophyscia</i> superveniens (Nyl.) Hafellner: on <i>Parmelia sulcata</i>	Ertz et al. 2005 Hafellner 1996a Pérez-Vargas et al. 2013		
<i>Phacothecium</i>	varium (Tul.) Trevis.: on <i>Xanthoria</i>	Hafellner 2009		
<i>Schismatomma</i> s. lat.	physconiicola Ertz & Diederich: on <i>Physconia</i>	Ertz & Diederich 2006		

<i>Trichophyma</i>	bunchosiae Rehm: on foliicolous <i>Strigula</i> similis Matzer: on foliicolous <i>Strigula</i>	Matzer 1996		
Lichenostigmatales				
Phaeococcomycetaceae				
<i>Etayoa</i>	trypethelii (Flakus & Kukwa) Diederich & Ertz: on Graphidaceae, <i>Lecanora</i> , <i>Pertusaria</i> , <i>Trypethelium</i> and other crustose lichens	Ertz et al. 2014		
<i>Lichenostigma</i> [incl. <i>Phaeosporobolus</i> anamorphs]	alpinum (R. Sant., Alstrup & D. Hawksw.) Ertz & Diederich: on <i>Ochrolechia</i> , <i>Pertusaria</i> and other lichens [incl. <i>Diederimyces fuscideae</i> Etayo, <i>D. microsporus</i> Etayo, <i>Phaeosporobolus minutus</i> Etayo] chlaroterae (F. Berger & Brackel) Ertz & Diederich: on <i>Lecanora</i> and other lichens fellhanerae (R. C. Harris & Lendemmer) Ertz & Diederich: on <i>Fellhanera</i> hyalosporum Kalb & Hafellner: on <i>Haematomma eremaeum</i> maureri Hafellner: on <i>Usnea</i> and other macrolichens	Ertz et al. 2014 Etayo 1995b Etayo & Sancho 2008 Hawksworth & Hafellner 1986 Kalb et al. 1995		

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	Species (lichenicolous fungi in bold; <i>lichenicolous lichens or facultative lichenicolous fungi in italics</i>)	Significant literature	Cultures (with accession numbers when known; culture collection links)	Sequences (with accession numbers)
ASCOMYCOTA				
Chaetothyriales				
Herpotrichiellaceae				

<p><i>Capronia</i></p>	<p>andina Etayo: on <i>Placopsis gelida</i> baeomyces Diederich: on <i>Baeomyces</i> epilobarina S. Y. Kondr. & D. J. Galloway: on <i>Lobaria</i> etayoi Flakus & Kukwa: on <i>Dictyonema</i> guatemalensis Etayo: on <i>Parmotrema</i> [as 'guatamalense'] hypotrachynae Etayo & Diederich: on <i>Hypotrachyna</i> leopoldiana Etayo: on <i>Leptogium</i> leptogii Etayo & Diederich: on <i>Leptogium</i> magellanica Etayo: on <i>Fuscopannaria</i> minutoseosae Halici, D. Hawksw., A. O. Türk & Candan: on <i>Thelenella muscorum</i> normandinae R. Sant. & D. Hawksw.: on <i>Normandina pulchella</i> paranectrioides Etayo, Flakus & Kukwa: on <i>Erioderma</i> peltigerae (Fuckel) D. Hawksw.: on <i>Peltigera</i> pseudonormandinae Diederich: on <i>Normandina simodensis</i> santessonii Etayo: on <i>Dictyonema</i> thamnoliae Zhurb.: on <i>Thamnolia</i></p>	<p>Aptroot et al. 1997 Etayo 2002a Etayo 2003 Etayo 2010b Etayo & Diederich 1998 Etayo & Sancho 2008 Etayo & van den Boom 2006 Etayo et al. 2013b Flakus & Kukwa 2012 Halici et al. 2010 Hawksworth 1980b Hawksworth 1990a Kondratyuk & Galloway 1995a Untereiner et al. 2011 Zhurbenko 2012</p>	<p>peltigerae: UAMH 11090</p>	<p>peltigerae (UAMH 11090): nrLSU: HQ613813; nrSSU: HQ613815; mtSSU: HQ613814; RPBI: HQ625027</p>
<p><i>Cladophialophora</i></p>	<p>cladoniae (Diederich) Diederich: on <i>Cladonia</i> hawksworthii (Etayo & Diederich) Diederich: on <i>Megalospora tuberculosa</i> megalosporae Diederich: on <i>Megalospora</i> <i>pachycheila</i> normandinae (Diederich & Etayo) Diederich: on <i>Normandina pulchella</i> parmeliae (Etayo & Diederich) Diederich & Untereiner: on <i>Parmelia</i> s. lat., also on <i>Lobaria</i> and <i>Pannaria</i></p>	<p>Diederich 2010 Diederich et al. 2013 Etayo & Diederich 1995 Etayo & Diederich 1996a Etayo & Sancho 2008</p>	<p>parmeliae: CBS 129337 parmeliae: CBS 132232</p>	<p>parmeliae (CBS 129337): ITS: JQ342180; nrLSU: JQ342182 parmeliae (CBS 132232): nrLSU: JX081671</p>

Pyrenulales				
Requienellaceae				
<i>Distopyrenis</i>	japonica Harada: on <i>Graphis proserpens</i>	Harada 2000		
<i>Lacrymospora</i>	parasitica Aptroot: probably lichenicolous on a sterile corticolous lichen (? <i>Myriothrema</i>)	Aptroot 1991		
<i>Parapyrenis</i>	lichenicola Aptroot & Diederich: on ? <i>Pertusaria</i>	Aptroot et al. 1997		
Verrucariales				
Adelococcaceae				
<i>Adelococcus</i>	alpestris (Zopf) Theiss. & Syd.: on <i>Acarospora glaucocarpa</i> and <i>A. macrospora</i> dissimilis (Triebel) ...: on <i>Paraporpidia leptocarpa</i> immersus Etayo & Breuss: on <i>Dermatocarpon biennense</i> interlatens (Arnold) Matzer & Hafellner: on <i>Clauzadea immersa</i> , <i>Hymenelia prevostii</i> and <i>Sarcogyne regularis</i> porocyphii S. Zelanko & S. Y. Kondr.: on <i>Porocyphus</i>	Etayo & Breuss 1998 Kondratyuk & Zelenko 2002 Matzer & Hafellner 1990		
<i>Sagediopsis</i>	aquatica (Stein) Triebel: on <i>Koerberiella wimmeriana</i> aspiciliae Nik. Hoffm. & Hafellner: on <i>Aspicilia myrinii</i> barbara (Th. Fr.) R. Sant. & Triebel: on <i>Porpidia glaucophaea</i> campsteriana (Linds.) D. Hawksw. & R. Sant.: on <i>Ochrolechia</i> fissurisedens Hafellner: on <i>Aspicilia myrinii</i> lomnitzensis (Stein) Orange: on <i>Ionaspis lacustris</i> and <i>I. odora</i> pertusariicola Zhurb.: on <i>Pertusaria</i>	Alstrup & Hawksworth 1990 Hafellner 1993 Hoffmann & Hafellner 2000 Orange 2002 Triebel 1989 Triebel 1993 Zhurbenko 2009c Zhurbenko & Yakovchenko 2014		

	vasilyevae Zhurb.: on <i>Rhizocarpon</i>			
Sarcopyreniaceae				
<i>Sarcopyrenia</i>	<p>acutispora Nav.-Ros. & Cl. Roux: on cf. <i>Bagliettoa calciseda</i></p> <p>bacillosa (Nyl.) Nav.-Ros. & Hladun: on saxicolous lichens</p> <p>bacillospora Nav.-Ros. & Hladun: on <i>Thelidium</i> and <i>Verrucaria</i></p> <p>baetica Nav.-Ros. & Hladun: on <i>Lecania</i> cf. <i>erysibe</i></p> <p>beckhausiana (J. Lahm) M. B. Aguirre, Nav.-Ros. & Hladun: on saxicolous lichens, mainly Verrucariaceae</p> <p>cylindrospora (P. Crouan & H. Crouan) M. B. Aguirre: mainly on <i>Aspicilia</i></p> <p>gibba Nyl.: on saxicolous lichens, incl. <i>Acarospora</i> and <i>Aspicilia</i></p> <p>gibba var. geisleri (Beckh.) Nav.-Ros. & Hladun: on saxicolous lichens</p> <p>lichinellae Nav.-Ros. & Hladun: on <i>Lichinella stipatula</i></p> <p>plurisepta Nav.-Ros. & Cl. Roux: on <i>Caloplaca variabilis</i></p> <p>sigmoideospora Tretiach & Nav.-Ros.: on <i>Bagliettoa</i></p>	<p>Knudsen & Lendemer 2006</p> <p>Navarro-Rosinés & Hladun 1990</p> <p>Navarro-Rosinés & Hladun 2004</p> <p>Navarro-Rosinés et al. 1998b</p> <p>Navarro-Rosinés et al. 2009</p> <p>Tretiach & Navarro-Rosinés 1996</p>		
Verrucariaceae				
<i>Bellemerella</i>	<p>acarosporae Calat. & Nav.-Ros.: on <i>Acarospora fuscata</i></p> <p>polysporinae Calat. & Nav.-Ros.: on <i>Polysporina simplex</i></p> <p>ritae Pérez-Ortega & T. Sprib.: on <i>Xylographa</i></p> <p>trapeliae Nav.-Ros. & Cl. Roux: on <i>Trapelia</i></p>	<p>Calatayud & Navarro-Rosinés 2001</p> <p>Navarro-Rosinés & Roux, 1997a</p> <p>Pérez-Ortega & Spribille 2007</p>		
<i>Clauzadella</i>	gordensis Nav.-Rox. & Cl. Roux: on	Navarro-Rosinés & Roux 1996		

<p><i>Endococcus</i></p>	<p><i>Verrucaria viridula</i></p> <p>alectoriae D. Hawksw.: on <i>Alectoria</i> apiciicola (J. Steiner) R. Sant.: on <i>Usnea</i> brachysporus (Zopf) M. Brand & Diederich: on <i>Porpidia</i> buelliae (C. W. Dodge) Matzer: on <i>Dimelaena radiata</i> Microthelia calcaricola Mudd: on <i>Aspicilia</i> caudisporus J. C. David & Etayo: on <i>Collema auriforme</i> complanatae Arnold: on <i>Miriquidica</i> exerrans Nyl.: on <i>Rhizocarpon</i> Verrucaria fumosaria Leight.: on <i>Lecidea fuscoatra</i> fusiger Th. Fr. & Almq.: on <i>Rhizocarpon</i> incrassatus Etayo & Breuss: on <i>Placidiopsis</i> karlstadtensis Kocourk. & Brackel: on <i>Endocarpon</i> Verrucaria larbalestieri Leight.: on ... Tichothecium latzelii Keissl.: on <i>Collema</i> macrosporus (Arnold) Nyl.: on <i>Rhizocarpon</i> matzeri D. Hawksw. & Iturr.: on <i>Buellia muscicola</i> nanellus Ohlert: on <i>Stereocaulon</i> oreinae Hafellner: on <i>Dimelaena oreina</i> oropogonicola Etayo: on <i>Oropogon</i> pallidosporus Etayo: on <i>Pseudocyphellaria</i> parentium Etayo: on <i>Pseudocyphellaria</i> parmeliarum Etayo: on <i>Parmelia saxatilis</i> pellax Nyl.: on <i>Collema</i> peltigericola Zhurb. & Stepanchikova: on</p>	<p>Alstrup 1993b Alstrup 1996 Alstrup et al. 1994 Brackel & Kocourková 2006 David & Etayo 1995 Etayo 2002a Etayo 2010b Etayo & Breuss 2001 Etayo & Sancho 2008 Hafellner 1994a Hafellner et al. 2002 Hafellner et al. 2008 Halicí et al. 2007 Hawksworth 1979b Hawksworth 1982a Hawksworth & Iturriaga 2006 Kocourková & Knudsen 2011a Matzer 1993 Santesson 1994b Sérusiaux et al. 1999 Triebel 1989 Zhurbenko et al. 2012</p>	<p>rugulosus: Culture obtained by Crittenden et al. (1995)</p>	<p>fusigera (Orange 17098): nrSSU+ITS+nrLSU: FJ645262</p>
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	<p><i>Peltigera</i></p> <p>perminutus Vain.: on <i>Bacidia subincompta</i> [see Mycobank 511817]</p> <p>perpusillus Nyl.: on <i>Schaereria</i></p> <p>propinquus (Körb.) D. Hawksw.: on <i>Porpidia</i></p> <p>protoblasteniae Diederich: on <i>Protoblastenia</i></p> <p>pseudocarpus Nyl.: on <i>Collema</i> (and <i>Heppia?</i>)</p> <p>pseudocyphellariae Etayo: on <i>Pseudocyphellaria</i></p> <p>ramalinarius (Lindsay) D. Hawksw.: on <i>Ramalina</i></p> <p>rugulosus (Leight.) Nyl.: on <i>Verrucaria</i></p> <p>sendtneri (Arnold) Hafellner: on <i>Polyblastia</i> <i>sendtneri</i></p> <p>stigma (Körb.) Stizenb.: on <i>Acarospora</i></p> <p>thalamita Cromb.: on ... [see Mycobank 510838]</p> <p>thamnoliae Etayo & R. Sant.: on <i>Thamnolia</i></p> <p>thelommatis Kocourk. & K. Knudsen: on <i>Thelomma santessonii</i></p> <p>tricolorans Alstrup: on <i>Platismatia glauca</i></p> <p>variabilis Halici, Kocourk. & Diederich: on <i>Staurothele</i></p> <p>verrucisporus Alstrup: on <i>Ionaspis lacustris</i></p> <p>verrucosus Hafellner: on <i>Aspicilia</i></p> <p>zahlbrucknerella (Henssen) D. Hawksw.: on <i>Zahlbrucknerella</i></p>			
<i>Haleomyces</i>	oropogonicola D. Hawksw. & Essl.: on <i>Oropogon lopezii</i>	Hawksworth & Esslinger 1993		
<i>Heteroplacidium</i>	<i>fusculum</i> (Nyl.) Gueidan & Cl. Roux: lichen,	Breuss 1994		

	juvenile parasite on <i>Aspicilia calcarea transmutans</i> K. Knudsen, Breuss & Kocourk.: lichen, juvenile parasite on <i>Acarospora socialis</i>	Knudsen et al. 2014		
<i>Halospora</i>	deminuta (Arnold) Tomas. & Cif.: on <i>Polyblastia</i> , <i>Staurothele</i> , <i>Thelidium</i> and <i>Verrucaria</i> , etc. discrepans (Arnold) Hafellner: mainly on <i>Protoblastenia</i> , also on <i>Aspicilia</i> , <i>Hymenelia</i> , <i>Verrucaria</i> , etc. longispora (Cl. Roux & Nav.-Ros.) Hafellner: on endolithic lichens scammoeca (Lettau) Hafellner: on <i>Polyblastia</i> , <i>Thelidium</i> and <i>Verrucaria</i>	Hafellner 2011 Roux et al. 2002 Triebel 1989		
<i>Muellerella</i>	antarctica Etayo: on <i>Hypogymnia antarctica</i> erratica (A. Massal.) Hafellner & V. John: on diverse lichens hospitans Stizenb.: on <i>Bacidia rubella</i> lecanactidis Diederich & van den Boom: on <i>Sigridea californica</i> lichenicola (Sommerf.) D. Hawksw.: on diverse lichens polyspora Müll. Arg.: on diverse lichens pygmaea (Körb.) D. Hawksw.: on diverse lichens stictinae (H. Olivier) Vouaux: on <i>Sticta</i> triseptata Diederich: on <i>Buellia griseovirens</i> and other lichens ventosicola (Mudd) D. Hawksw.: on <i>Ophioparma</i> , possibly also on <i>Rhizocarpon</i> vesicularia (Linds.) D. Hawksw.: on <i>Toninia</i>	Clauzade et al. 1989 Diederich 1986 Diederich 2003 Etayo & Sancho 2008 Hawksworth 1985 Triebel 1989	pygmaea : Culture obtained by Crittenden et al. (1995)	
<i>Norrinia</i>	medoborensis S. Y. Kondr.: on <i>Peltigera</i> peltigericola (Nyl.) Theiss. & Syd.: on	Hawksworth 1980b Kondratyuk & Galloway 1995a		peltigericola (Palice 4369): nrLSU: AY300845 ; mtLSU:

	<i>Peltigera</i> and <i>Marchandiomphalina foliacea</i>			AY779307; nrSSU: AY779280; mtSSU: AY300896
<i>Phaeospora</i>	<p>arctica Horáková & Alstrup: on <i>Allocetraria</i>, <i>Arctocetraria</i> and <i>Arctoparmelia</i></p> <p>catolechia Zopf: on <i>Catolechia wahlenbergii</i></p> <p>dermatocarponis (R. G. Werner) S. Y. Kondr. [nom. inval.?]: on <i>Dermatocarpon</i> [probably not a <i>Phaeospora</i>]</p> <p>everniae Etayo & van den Boom: on <i>Evernia</i></p> <p>exoriens (Stirt.) A. L. Sm.: on <i>Pannaria fritzei</i> Stein: on <i>Parmelia</i> [possibly a synonym of <i>Homostegia piggotii</i>]</p> <p>lecanorae Eitner: on <i>Lecanora</i></p> <p>parasitica (Lönnr.) Arnold: on <i>Rhizocarpon</i> [and <i>Lopadium?</i>]</p> <p>peltigericola D. Hawksw.: on <i>Peltigera</i> and <i>Pseudocyphellaria</i> [and <i>Lobaria?</i>]</p> <p>perrugosaria (Linds.) D. J. Galloway: on <i>Placopsis</i></p> <p>protoblasteniae Alstrup & Olech: on <i>Protoblastenia incrustans</i></p> <p>rimosicola (Mudd) Stein: on <i>Rhizocarpon</i> [also reported on <i>Aspicilia</i> and <i>Diplotomma</i>]</p> <p>squamarinae Etayo: on <i>Squamarina cartilaginea</i></p> <p>subantarctica Øvstedal & D. Hawksw.: on <i>Lecania gerlachei</i></p> <p>verrucariae Alstrup & E. S. Hansen: on <i>Verrucaria placynthiae</i></p>	<p>Alstrup & Hansen 2001</p> <p>Alstrup & Olech 1996</p> <p>Etayo 2010c</p> <p>Galloway 2004</p> <p>Hawksworth 1980b</p> <p>Hawksworth 1983</p> <p>Horáková & Alstrup 1994</p> <p>Kondratyuk & Zelenko 2002</p> <p>Øvstedal & Hawksworth 1986</p> <p>Sérusiaux et al. 1999</p> <p>van den Boom & Etayo 2014</p> <p>Zhurbenko 2014</p>		
<i>Placocarpus</i>	<p>americanus K. Knudsen, Breuss & Kocourk.: lichen, juvenile parasite on <i>Lecanora muralis</i></p>	<p>Breuss 1985</p> <p>Knudsen et al. 2009</p> <p>Roux & Gueidan 2011</p>		

	<p><i>melanophthalmosus</i> Cl. Roux & Gueidan: lichen, juvenile parasite on <i>Rhizoplaca melanophthalma</i></p> <p><i>schaereri</i> (Fr.) Breuss: lichen, juvenile often parasite on <i>Lecanora muralis</i></p>			
<i>Placopyrenium</i>	<p><i>breussii</i> Cl. Roux & Gueidan: lichen, juvenile parasite on <i>Aspicilia calcitraba</i></p> <p><i>canellum</i> Nyl.: lichen, juvenile parasite on <i>Aspicilia</i></p> <p><i>cinereoatrum</i> (Degel.) Orange: facultatively lichenicolous on <i>Staurothele fissa</i></p> <p><i>formosum</i> Orange: lichen, juvenile parasite on <i>Aspicilia aquatica</i></p> <p><i>fuscillum</i> (Turner) Gueidan & Cl. Roux: lichen, juvenile facultative parasite on <i>Bagliettoa</i> and <i>Verrucaria</i></p> <p><i>noxium</i> Breuss: lichenicolous lichen on <i>Staurothele areolata</i></p>	<p>Breuss 1998</p> <p>Breuss 2009</p> <p>Orange 2004</p> <p>Orange 2009</p> <p>Roux & Gueidan 2011</p>		
<i>Telogalla</i>	<p>olivieri (Vouaux) Nik. Hoffm. & Hafellner: on <i>Xanthoria</i></p>	<p>Hoffmann & Hafellner 2000</p>		
<i>Verrucaria</i>	<p><i>cetera</i> Breuss: lichenicolous lichen on <i>Staurothele areolata</i></p> <p>conturmatula Nyl.: on <i>Ionaspis lacustris</i></p> <p><i>inficiens</i> Breuss: lichenicolous lichen on <i>Staurothele areolata</i> and <i>S. elenkinii</i></p> <p><i>placynthiae</i> Alstrup & E. S. Hansen: lichenicolous lichen on <i>Placynthium nigrum</i></p>	<p>Alstrup & Hansen 2001</p> <p>Breuss 1998</p> <p>Orange 2002</p>		
<i>Verrucula</i>	<p><i>aegyptiaca</i> (Müll. Arg.) J. Steiner: lichenicolous lichen on <i>Caloplaca</i> gr. <i>velana</i></p> <p><i>ahlesiana</i> (Zwackh) J. Steiner: lichen, probably lichenicolous</p> <p><i>arnoldaria</i> Nav.-Ros. & Cl. Roux: lichenicolous lichen on <i>Caloplaca arnoldii</i></p>	<p>Hoffman & Hafellner 2000</p> <p>Navarro-Rosinés et al. 2007</p> <p>Zehetleitner 1978</p>		

biatorinaria (Zehetl.) Nav.-Ros. & Cl. Roux:
lichenicolous lichen on *Caloplaca biatorina*
clauzadaria Nav.-Ros. & Cl. Roux:
lichenicolous lichen on *Caloplaca clauzadeana*
coccinearia (Zehetl.) Nav.-Ros. & Cl. Roux:
lichenicolous lichen on *Caloplaca coccinea*
coronataria Nav.-Ros. & Cl. Roux:
lichenicolous lichen on *Caloplaca coronata*
elegantaria (Zehetl.) Nav.-Ros. & Cl. Roux:
lichenicolous lichen on *Xanthoria elegans*
fulvaria Nav.-Ros. & Cl. Roux ad int.:
lichenicolous lichen on *Caloplaca proteus*
granulosaria (Clauz. & Zehetl.) Nav.-Ros. &
Cl. Roux: lichenicolous lichen on *Caloplaca granulosa*
helvetica (B. de Lesd.) Nav.-Ros. & Cl. Roux:
lichenicolous lichen on *Caloplaca cirrochroa*
hladuniana (Nav.-Ros. & Cl. Roux) Nav.-
Ros. & Cl. Roux: lichenicolous lichen on
Caloplaca marina
inconnexaria Nav.-Ros. & Cl. Roux:
lichenicolous lichen on *Caloplaca inconnexa*
lactearia Nav.-Ros. & Cl. Roux: lichenicolous
lichen on *Caloplaca lactea* s.str.
latericola (Erichs.) Nav.-Ros. & Cl. Roux:
lichenicolous lichen on *Caloplaca pusilla*
maritimaria Nav.-Ros. & Cl. Roux:
lichenicolous lichen on *Caloplaca maritima*
microspora Nav.-Ros. & Cl. Roux ad int.:
lichenicolous lichen on *Caloplaca dolomiticola*
navasaria Nav.-Ros. & Cl. Roux:

	<p>lichenicolous lichen on <i>Caloplaca navasiana polycarparia</i> Nav.-Ros. & Cl. Roux.: lichenicolous lichen on <i>Caloplaca polycarpa protearia</i> (Zehetl.) Nav.-Ros. & Cl. Roux: lichenicolous lichen on <i>Caloplaca proteus pusillaria</i> Nav.-Ros. & Cl. Roux: lichenicolous lichen on <i>Caloplaca pusilla tarraconensis</i> Nav.-Ros. & Cl. Roux: lichenicolous lichen on <i>Caloplaca</i> gr. <i>velana</i></p>			
<i>Verruculopsis</i>	<p><i>flavescentaria</i> Gueidan, Nav.-Ros. & Cl. Roux: lichenicolous lichen on <i>Caloplaca flavescens</i> <i>irrubescentis</i> (Ménard & Cl. Roux) Gueidan, Nav.-Ros. & Cl. Roux: lichenicolous lichen on <i>Caloplaca irrubescens</i> <i>poeltiana</i> (Clauz. & Cl. Roux) Gueidan, Nav.-Ros. & Cl. Roux: lichenicolous lichen on <i>Caloplaca aurantia</i></p>	<p>Ménard & Roux 1991 Navarro-Rosinés et al. 2007</p>		
Verrucariales incertae sedis				
<i>Gemmaspora</i>	<p>lecanorae (Werner) D. Hawksw. & Halici: on <i>Aspicilia</i></p>	<p>Hawksworth & Halici 2007</p>		
<i>Merismatium</i>	<p>cladoniicola Alstrup: on <i>Cladonia ciliata</i> coccisporum (Norm.) Vouaux: on <i>Amygdalaria</i>, <i>Euopsis</i>, etc. coccotremicola Etayo: on <i>Coccotrema</i> corae (Pat.) Etayo & R. Sant.: on <i>Dictyonema</i> decolorans (Arnold) Triebel: on <i>Lopadium</i>, <i>Bilimbia</i>, <i>Placynthiella</i>, <i>Trapeliopsis</i>, etc. heterophractum (Nyl.) Vouaux: on <i>Biatora</i>, <i>Bilimbia</i>, <i>Lopadium</i>, etc. nigritellum (Nyl.) Vouaux: on <i>Catapyrenium</i>, <i>Leptogium</i>, <i>Lichenomphalia</i>, <i>Lopadium</i>, <i>Micareia</i>, <i>Mycobilimbia</i>,</p>	<p>Alstrup 1997 Alstrup & Hansen 2001 Etayo 2010b Etayo & Sancho 2008 Hafellner 2011 Hertel & Rambold 1990 Triebel 1989</p>		

	<p><i>Ochrolechia, Protoblastenia, etc.</i></p> <p>peregrinum (Flot.) Triebel: on <i>Rimularia</i></p> <p>thamnoliicola Alstrup & E. S. Hansen: on <i>Thamnolia vermicularis</i></p>			
<i>Pseudostigidium</i>	<p>biseptatum Etayo: on <i>Pseudocyphellaria</i></p> <p>confusum Etayo; on <i>Pseudocyphellaria</i></p> <p>disparatum Etayo: on <i>Pseudocyphellaria</i></p> <p>fumosum Etayo: on <i>Pseudocyphellaria</i></p> <p>nephromiarium (Lindsay) Etayo: on <i>Nephroma antarcticum</i></p>	Etayo & Sancho 2008		
<i>Stigidium</i>	<p>acetabuli Calat. & Triebel: on <i>Pleurosticta acetabulum</i></p> <p>aggregatum (Mudd) D. Hawksw.: on <i>Aspicilia</i></p> <p>alectoriae (Lindsay) Etayo: on <i>Usnea</i></p> <p>allogenum (Nyl.) D. Hawksw.: on <i>Rhizocarpon</i></p> <p>arthoniae (Arnold) Hafellner: on <i>Arthonia</i></p> <p>arthrorhaphidis Hafellner & Obermayer: on <i>Arthrorhaphis citrinella</i></p> <p>bellemerei Cl. Roux & Nav.-Ros.: on <i>Lecania</i></p> <p>beringicum Zhurb. & Triebel: on <i>Stereocaulon</i></p> <p>buelliae Zhurb. & Himelbrant: on <i>Buellia disciformis</i></p> <p>californicum K. Knudsen & Kocourk.: on <i>Caloplaca stanfordensis</i></p> <p>calopadiae Matzer: on foliicolous <i>Calopadia</i></p> <p>cartilagineae Calat. & Triebel: on <i>Squamarina</i></p> <p>cerinae Cl. Roux & Triebel: on <i>Caloplaca stillicidiorum</i></p>	<p>Alstrup 1993a</p> <p>Alstrup & Hawksworth 1990</p> <p>Alstrup & Olech 1996</p> <p>Calatayud & Triebel 1999</p> <p>Calatayud & Triebel 2001</p> <p>Clauzade et al. 1989</p> <p>Etayo 1994</p> <p>Etayo 2000</p> <p>Etayo 2002a</p> <p>Etayo 2010c</p> <p>Etayo & Sancho 2008</p> <p>Hafellner 1982c</p> <p>Hafellner 1994a</p> <p>Hafellner 1994b</p> <p>Hafellner & Obermayer 1995</p> <p>Hafellner et al. 2008</p> <p>Hawksworth 1975b</p> <p>Kocourková & Knudsen 2010</p> <p>Kocourková & Knudsen 2012</p> <p>Lord et al. 2013</p> <p>Matzer 1996</p> <p>Matzer & Hafellner 1990</p> <p>Molitor & Diederich 1997</p> <p>Pérez-Ortega et al. 2010</p> <p>Roux & Navarro-Rosinés 1994</p> <p>Roux & Triebel 1994</p> <p>Roux et al. 1995</p> <p>Santesson 1989</p>		

cladoniicola Zhurb. & Diederich: on
Cladonia
clauzadei Cl. Roux & Nav.-Ros.: on
Verrucaria nigrescens and *V. viridula*
collematis Cl. Roux & Triebel: on *Collema*
congestum (Körb.) Triebel: on apothecia of
Lecanora gr. *chlarotera*
conspurcans (Th. Fr.) Triebel & R. Sant.: on
Psora rubiformis
croceae (Arnold) Cl. Roux & Triebel: on
Solorina
cupulare (Pat.) D. Hawksw.: on *Sticta*
degelii R. Sant.: on *Degelia*
disconephromeum Etayo: on *Nephroma*
antarcticum
ephebes (Henssen) D. Hawksw.: on *Ephebe*
epiphyllum Matzer: on foliicolous
Actinoplaca and *Echinoplaca*
epiramalina (Vouaux) Hafellner: on
Ramalina
epistigmellum (Vouaux) Kocourk. & K.
Knudsen: on marine *Caloplaca*
epixanthum Hafellner: on *Acarospora*
eucline (Nyl.) Vězda: on *Pertusaria*
exasperatum Etayo: on *Melanohalea*
exasperata
frigidum (Sacc.) Alstrup & D. Hawksw.: on
Thamnia
fuscatae (Arnold) R. Sant.: on *Acarospora*
fuscata
glebarum (Arnold) Hafellner: on *Toninia*
grex Alstrup & Olech: on *Ochrolechia* cf.
frigida

Santesson 1993b
Triebel 1989
Triebel & Scholz 2001
Roux et al. 1998
Zhurbenko & Etayo 2012
Zhurbenko et al. 2012

gyrophorarum (Arnold) D. Hawksw.: on
Umbilicaria

Pharcidia haesitans Vouaux: on
Protothelenella sphinctrinoides

hafellneri Zhurb.: on *Flavocetraria cucullata*

hageniae (Rehm) Hafellner: on *Anaptychia*
ciliaris

hesperium Kocourk., K. Knudsen &
Diederich: on *Caloplaca coralloides*

heterodermiae Etayo: on *Heterodermia*

humidum Pérez-Ortega, Halici & K.
Knudsen: on *Thelenella muscorum*

hygrophilum (Arnold) R. Sant.: on
Rhizocarpon and *Porpidia*

joergensenii R. Sant.: on
Marchandiomphalina foliacea

johnii Halici & D. Hawksw.: on *Caloplaca*

lecidellae Triebel, Cl. Roux & Le Coeur: on
Lecidella elaeochroma

lendemeri Kocourk. & K. Knudsen: on
Aspicilia

leprariae Zhurb.: on *Lepraria neglecta*

leptogii Etayo: on *Leptogium*

leucophlebiae Cl. Roux & Triebel: on
Peltigera leucophlebia

lichenum (Arnold) Triebel & P. Scholz: on
Verrucaria maculiformis

lobariae Zhurb. & Etayo: on *Lobaria*

marinum (Deakin) Swinscow: on maritime
Verrucaria

Pharcidia maritima B. de Lesd.: on
Verrucaria

microcarpum Alstrup & J.C. David: on

Cetraria and *Flavocetraria cucullata*
microspilum (Körb.) D. Hawksw.: on
Graphis scripta
microsporum Etayo & Osorio: on
Teloschistes
mitchellii Cl. Roux & Bricaud: on *Pannaria*
conoplea
mycobilimbiae Cl. Roux, Triebel & Etayo:
on *Bilimbia lobulata* and *B. sabuletorum*
neofusceliae Calat. & Triebel: on
Xanthoparmelia pulla
Pharcidia parva Henssen: on *Ephebe*
lanata
peltideae (Vain.) R. Sant.: on *Peltigera*
petri Hafellner: on *Clauzadea monticola*
placynthii Cl. Roux & Nav.-Ros.: on
Placynthium nigrum
porinae Matzer: on foliicolous *Porina*
pseudopeltideae Cl. Roux & Triebel: on
Peltigera
psorae (Anzi) Hafellner: on *Psora crenata* and
P. decipiens
pumilum (Lettau) Matzer & Hafellner: on
Physcia
ramalinae (Müll. Arg.) Etayo &
Diederich: on *Ramalina*
rivulorum (Kernst.) Cl. Roux & Nav.-Ros.:
on *Verrucaria*
rouxianum Calat. & Triebel: on *Acarospora*
cervina
schaereri (A. Massal.) Trevis.: on *Solorina*
thalli parasitized by *Dacampia hookeri*
schizoporum Matzer: on foliicolous *Porina*

	<p>solorinarium (Vain.) D. Hawksw.: on <i>Solorina saccata</i></p> <p>spgazzinii Etayo: on <i>Pseudocyphellaria</i></p> <p>squamariae (B. de Lesd.) Cl. Roux & Triebel: on <i>Lecanora</i> gr. <i>muralis</i> and <i>L. polytropa</i></p> <p>squamarinicola Calat. & Triebel: on <i>Squamarina</i></p> <p>stereocaulorum Zhurb. & Triebel: on <i>Stereocaulon</i></p> <p>stygnospila (Minks) R. Sant.: on <i>Dermatocarpon</i></p> <p>superpositum (Nyl.) D. Hawksw.: on <i>Sporodictyon</i></p> <p>tabacinae (Arnold) Triebel: on <i>Toninia</i></p> <p>tetrasporum Etayo: on Verrucariaceae</p> <p>trichothelium Matzer: on foliicolous <i>Trichothelium</i></p> <p>triebeliae Etayo: on <i>Parmotrema</i></p> <p>Pharcidia verrucariarum (Arnold) Sacc.: on <i>Verrucaria</i></p> <p>vezdae Matzer: on foliicolous <i>Bacidina colchica</i></p> <p>xanthoparmeliarum Hafellner: on <i>Xanthoparmelia</i></p>			
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	<p>Species (lichenicolous fungi in bold; <i>lichenicolous lichens or facultative</i> <i>lichenicolous fungi in italics</i>)</p>	<p>Significant literature</p>	<p>Cultures (with accession numbers when known; culture collection links)</p>	<p>Sequences (with accession numbers)</p>
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ASCOMYCOTA				
Mycocaliciales				
Mycocaliciaceae				
<i>Chaenothecopsis</i>	<p>arthoniae Tibell: on <i>Arthonia vinosa</i></p> <p>australis Tibell: on <i>Lecanactis abietina</i></p> <p>brevipes Tibell: on <i>Arthonia</i> and <i>Lecanactis</i></p> <p>cinerea Tibell: on <i>Lecanactis abietina</i></p> <p>consociata (Nádv.) A. F. W. Schmidt: on <i>Chaenotheca chrysocephala</i></p> <p>dibbleandersoniarum Selva: on <i>Arthonia leucopellaea</i></p> <p>epithallina Tibell: on <i>Chaenotheca trichialis</i></p> <p>formosa Titov: on <i>Chaenotheca sphaerocephala</i></p> <p>hospitans (Th. Fr.) Tibell: on <i>Haematomma ochroleucum</i> and <i>Lecanora</i></p> <p>kalbii Tibell & K. Ryman: on <i>Lecanora caesiorubella</i></p> <p>lecanactidis Tibell: on <i>Lecanactis abietina</i></p> <p>leifiana Titov: on <i>Arthonia</i></p> <p>nigra Tibell: on <i>Chaenotheca</i></p> <p>ochroleuca (Körb.) Tibell & K. Ryman: on <i>Haematomma ochrolecum</i></p> <p>parasitaster (Bagl. & Carestia) D. Hawksw.: on <i>Cladonia</i></p> <p>pilosa Tibell & Kalb: on <i>Tylophoron moderatum</i></p> <p>pusiola (Ach.) Vain.: on <i>Chaenotheca</i> or saprophytic</p> <p>retinens (Nyl.) Tibell: on <i>Schismatomma cretaceum</i> and <i>Arthonia byssacea</i></p> <p>rubescens Vain.: on <i>Arthonia byssacea</i>, other</p>	<p>Clauzade et al. 1989</p> <p>Gasparyan et al. 2014</p> <p>Selva 2013</p> <p>Tibell 1991b</p> <p>Tibell 1998</p> <p>Tibell & Ryman 1995</p> <p>Titov 2006</p>	<p>viridireagens: CBS (14 records); UPSC</p>	<p>consociata: ITS+nrLSU: AY795851</p> <p>consociata: nrLSU: DQ008999</p> <p>epithallina (Tibell 22793): ITS+nrLSU: AY795856</p> <p>epithallina (Tibell 22705): ITS+nrLSU: AY795855</p> <p>epithallina (Tibell 22716): nrLSU: AY795994</p> <p>pusiola (Tibell 15884): ITS+nrLSU: AY795865</p> <p>pusiola (Tibell 19258): nrLSU: AY795999</p> <p>savonica (Tibell 15876): ITS+nrLSU: AY795868; nrLSU: AY796000</p> <p>savonica: nrSSU: U86691</p> <p>subparoica: ITS+nrLSU: AY795869</p> <p>viridireagens (Tibell 22803): ITS: AY795872; nrLSU DQ013257</p>

	<p>lichens with <i>Trentepohlia</i> or saprophytic</p> <p>rubina Tibell: on <i>Pyrgidium montellicum</i></p> <p>sagenidii Tibell: on <i>Sagenidium molle</i></p> <p>savonica (Räsänen) Tibell: on <i>Chaenotheca</i> or saprophytic</p> <p>sinensis Titov: on unidentified lichen with chlorococcoid algae</p> <p>subparoica (Nyl.) Tibell: on <i>Haematomma ochroleucum</i></p> <p>tasmanica Tibell: on diverse lichens, incl. <i>Chaenotheca chrysocephala</i></p> <p>treicheliana (Stein) Kalb: on corticolous <i>Lecanora</i></p> <p>vainioana (Nádv.) Tibell: on <i>Arthonia</i>, <i>Lecanactis abietina</i>, <i>Calicium salicinum</i>, other lichens with <i>Trentepohlia</i> or saprophytic</p> <p>vinosa Titov: on lichens</p> <p>viridialba (Kremp.) A. F. W. Schmidt: on <i>Chaenotheca chrysocephala</i> or saprophytic</p> <p>viridireagens (Nádv.) A. F. W. Schmidt: on <i>Calicium</i> or on free-living algae</p>			
<i>Mycocalicium</i>	rapax Tibell: on <i>Pertusaria</i>	Titov 2006		
<i>Sphinctrina</i>	<p>anglica Nyl.: on <i>Protoparmelia</i></p> <p>benmargana Selva: on <i>Pertusaria</i></p> <p>leucopoda Nyl.: on <i>Pertusaria</i> and <i>Diploschistes</i></p> <p>pallidella (Willey) Selva: on <i>Pertusaria</i></p> <p>paramerae D. Muñoz & Hladun: on <i>Pertusaria paramera</i></p> <p>tubaeformis A. Massal.: on <i>Pertusaria</i></p> <p>turbinata (Pers.) de Not.: on <i>Pertusaria</i></p>	<p>Kalb 2001</p> <p>Löfgren & Tibell 1979</p> <p>Muñoz et al. 2013</p> <p>Purvis et al. 1992</p> <p>Titov 2006</p>	leucopoda : CBS 114206; UPSC	<p>leucopoda (Kalb 33829): ITS+LSU: AY795875; nrLSU: AY796006</p> <p>turbinata (Tibell 23093): ITS+LSU: AY795877; nrLSU: DQ009001</p> <p>turbinata (Tibell 22478): ITS+LSU: AY795876; nrLSU: AY796007</p> <p>turbinata (AFTOL 1721): nrSSU: EF413631; nrLSU: EF413632;</p>

mtSSU: FJ713611; RPB2:
EF413633
turbinata: nrSSU: U86693

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	Species (lichenicolous fungi in bold; <i>lichenicolous lichens or facultative lichenicolous fungi in italics</i>)	Significant literature	Cultures (with accession numbers when known; culture collection links)	Sequences (with accession numbers)
ASCOMYCOTA				
Lichinales				
Lichinaceae				
<i>Lichinodium</i>	<i>sirosiphoideum</i> Nyl.: lichen, juvenile parasite of <i>Parmelia</i> s.lat.	Rambold & Triebel 1992		
<i>Phylliscum</i>	<i>demangeonii</i> (Moug. & Nestler) Nyl.: lichen, juvenile parasite on <i>Ochrolechia frigida</i>	Rambold & Triebel 1992		

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	Species (lichenicolous fungi in bold; <i>lichenicolous lichens or facultative lichenicolous fungi in italics</i>)	Significant literature	Cultures (with accession numbers when known; culture collection links)	Sequences (with accession numbers)
ASCOMYCOTA				
Candelariales				
Candelariaceae				
<i>Candelariella</i>	<i>superdistans</i> (Nyl.) Malme: lichenicolous lichen on <i>Lecanora populicola</i>	Gilbert & James 2009		
Lecanorales s.lat.				
Acarosporaceae				

<i>Acarospora</i>	<p><i>anatolica</i> H. Magn.: lichenicolous lichen on <i>Dimelaena</i></p> <p><i>brevilobata</i> H. Magn.: lichenicolous lichen on <i>Rhizocarpon</i></p> <p><i>epithallina</i> H. Magn.: lichenicolous lichen on <i>Acarospora</i> and <i>Caloplaca</i></p> <p><i>heufleriana</i> Körb.: lichenicolous lichen on <i>Lecanora valesiaca</i></p> <p><i>hospitans</i> H. Magn.: lichenicolous lichen on <i>Aspicilia</i>, <i>Bellemerea</i>, <i>Leanora</i>, <i>Lecidea</i> and <i>Tremolecia</i></p> <p><i>insignis</i> H. Magn.: lichenicolous lichen on <i>Aspicilia</i></p> <p><i>insolata</i> (B. de Lesd.) Redinger: lichenicolous lichen on <i>Immersaria</i> and <i>Rhizocarpon</i>, becoming independent</p> <p><i>interjecta</i> H. Magn.: lichenicolous lichen on <i>Acarospora novomexicana</i></p> <p><i>invadens</i> H. Magn.: lichenicolous lichen on <i>Aspicilia</i> and <i>Dimelaena</i>, becoming independent</p> <p><i>jenisejensis</i> H. Magn.: lichenicolous lichen on <i>Buellia</i>, <i>Dimelaena</i> and <i>Lecanora</i>, becoming independent</p> <p><i>microcarpa</i> (Nyl.) Weddell: lichenicolous lichen on <i>Acarospora</i> and <i>Dimelaena</i>, becoming independent</p> <p><i>nashii</i> K. Knudsen: lichenicolous lichen on <i>Dimelaena</i> and <i>Pleopsidium</i>, becoming independent</p> <p><i>pulvinata</i> H. Magn.: lichenicolous lichen on <i>Aspicilia</i></p> <p><i>sphaerospora</i> H. Magn.: lichenicolous lichen on <i>Aspicilia</i>, becoming independent</p>	<p>Knudsen 2011 Knudsen & Kocrouková 2010 Rambold & Triebel 1992</p>	
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	<p><i>stapfiana</i> (Müll. Arg.) Hue: lichenicolous lichen on <i>Caloplaca</i> and <i>Xanthoria elegans</i></p> <p><i>strigata</i> (Nyl.) Jatta: lichenicolous lichen on <i>Aspicilia</i>, becoming independent</p> <p><i>succedens</i> H. Magn.: lichenicolous lichen on <i>Dimelaena oreina</i></p> <p><i>superans</i> H. Magn.: lichenicolous lichen on <i>Aspicilia</i> and <i>Dimelaena</i></p> <p><i>suprasedens</i> H. Magn.: lichenicolous lichen on <i>Aspicilia</i> and <i>Lecanora</i></p> <p><i>tominiana</i> H. Magn.: lichenicolous lichen on <i>Aspicilia</i></p> <p><i>umbrina</i> H. Magn.: lichenicolous lichen on <i>Lecanora</i></p>			
<i>Myriospora</i>	<p><i>hassei</i> (Herre) K. Knudsen & L. Arcadia: facultative lichenicolous lichen (obligate juvenile lichenicolous?) on <i>Acarospora socialis</i></p>	Knudsen & Bungartz 2014		
<i>Polysporina</i>	<p>arenacea (H. Magn.) K. Knudsen & Kocourk.: on crustose lichens on siliceous rocks</p> <p>pusilla (Anzi) Kantvilas: on crustose lichens on calcareous rocks, e.g., <i>Acarospora</i>, <i>Caloplaca</i>, <i>Protoblastenia</i></p> <p>subfuscescens (Nyl.) K. Knudsen & Kocourk.: on crustose lichens on siliceous rocks, e.g., <i>Acarospora</i>, <i>Buellia</i>, <i>Caloplaca</i>, <i>Candelariella</i>, <i>Lecidea</i></p>	Knudsen & Kocourková 2008		
<i>Sarcogyne</i>	<p>sphaeospora J. Steiner: lichenicolous lichen on <i>Candelariella</i></p>	Lendemmer et al. 2009		
Catillariaceae				
<i>Catillaria</i>	<p>lobariicola (Alstrup) Coppins & Aptroot: on <i>Lobaria scrobiculata</i></p> <p>mediterranea Hafellner: lichenicolous lichen</p>	Alstrup 1997 Etayo 2000 Hafellner 1982b		

	with a reduced thallus, on <i>Anaptychia ciliaris</i> and <i>Niebla bourgaeana</i> usneicola Etayo: on <i>Usnea</i>			
<i>Halecania</i>	<i>lobulata</i> van den Boom & Elix: lichen, possibly lichenicolous over <i>Hymenelia santessonii</i> Andreev: lichenicolous lichen on <i>Porpidia albocaerulescens</i>	Andreev 2010 van den Boom & Elix 2005		
Fuscideaceae				
<i>Lettauia</i>	cladoniicola D. Hawksw. & R. Sant.: on <i>Cladonia</i> hypotrachynae Etayo: on <i>Hypotrachyna santessonii</i> Ihlen & Tønsberg: on <i>Loxospora pustulata</i>	Etayo 2002 Hawksworth & Santesson 1990 Ihlen & Tønsberg 1996		
Hymeneliaceae				
<i>Aspicilia</i>	<i>parasitica</i> B. de Lesd.: lichenicolous lichen on saxicolous, crustose lichens	Rambold & Triebel 1992		
Lecanoraceae				
<i>Carbonea</i>	aggregantula (Müll. Arg.) Diederich & Triebel: on <i>Lecanora</i> (mainly <i>L. polytropa</i>), also reported from <i>Rhizoplaca</i> antarctica (C. W. Dodge & G. E. Baker) D. Hawksw. & Iturr.: on <i>Pseudephebe assimilis</i> (Körb.) Hafellner & Hertel: lichenicolous lichen on <i>Aspicilia</i> , <i>Lecanora</i> , <i>Lecidea</i> , <i>Pertusaria</i> , <i>Rhizocarpon</i> and <i>Tephromela</i> <i>atronivea</i> (Arnold) Hertel: lichenicolous lichen on <i>Lecidella</i> , becoming independent degelii Alstrup: on <i>Lecanora intricata</i> <i>distans</i> (Kremp.) Hafellner & Obermayer: lichenicolous lichen on <i>Orphniospora mosigii</i> <i>distans</i> var. <i>buelliarum</i> (Hertel) Hertel:	Alstrup et al. 1994 Chambers et al. 2009 Etayo & Sancho 2008 Hafellner 1999 Hafellner 2006 Hawksworth & Iturriaga 2006 Hertel 1967 Obermayer 1993 Rambold & Triebel 1992	supersparsa : nrSSU: AY567773 vitellinaria : ITS and nrLSU: AY541239	

	<p>lichenicolous lichen on <i>Buellia</i> herteliana Hafellner & Matzer: on <i>Rhizocarpon</i> Catillaria hospitans H. Magn.: on <i>Lecidea</i> intrudens (H. Magn.) Hafellner: on <i>Rhizocarpon</i> <i>invadens</i> (H. Magn.) Andreev: lichen, juvenile lichenicolous on <i>Rhizocarpon geographicum</i> minor Triebel & Rambold ined.: on <i>Lecanora</i> ‘<i>subfusca</i>’ and <i>L. vainioi</i> neuropogonis Etayo: on <i>Usnea aurantiaco-</i> <i>atra</i> superjecta (Nyl.) Hertel: on <i>Lecanora</i> <i>disjungenda</i> supersparsa (Nyl.) Hertel: on <i>Lecanora</i> (mainly <i>L. polytropa</i>) supersparsa var. bicolor R. Sant. & Triebel ined.: on <i>Lecanora intricata</i> vitellinaria (Nyl.) Hertel: on <i>Candelariella</i></p>			
<p><i>Lecanora</i></p>	<p><i>epithallina</i> H. Magn.: lichenicolous lichen on <i>Vestergrenopsis isidiata</i> <i>gisleriana</i> Müll. Arg.: lichenicolous lichen on <i>Lecanora epanora</i>, <i>L. handelii</i> and <i>L.</i> <i>subaurea</i> <i>gyrophorina</i> Poelt & Zhurbenko: lichenicolous lichen on <i>Umbilicaria</i> <i>hyperborea</i> <i>invadens</i> H. Magn.: lichenicolous lichen on <i>Aspicilia asiatica</i> lasalliae Pérez-Ortega & Etayo: on <i>Lasallia</i> <i>pustulata</i> <i>latro</i> Poelt: lichenicolous lichen on <i>Miriquidica</i> <i>nigroleprosa</i></p>	<p>Etayo & Sancho 2006 Lumbsch et al. 2011 Pérez-Ortega & Etayo 2008 Poelt et al. 1996 Rambold & Triebel 1992</p>		

	<p>lecanoricola (Alstrup, D. Hawksw. & R. Sant.) Rambold & Triebel: on <i>Lecanora cenisia</i></p> <p><i>mosigiicola</i> (Eitner) Hertel & Rambold: lichenicolous lichen on <i>Orphniospora mosigii</i></p> <p><i>mosigiicola</i> var. <i>buelliarum</i> (Hertel) Hertel & Rambold: lichenicolous lichen on <i>Buellia printzenii</i> Pérez-Ortega, Vivas & Hafellner: lichenicolous lichen on <i>Umbilicaria tolypodes</i> Poelt & Vězda: lichenicolous lichen on <i>Aspicilia</i> cf. <i>grisea</i></p> <p>usneicola Etayo: on <i>Usnea antarctica</i></p>			
<i>Lecidella</i>	<p><i>dimelaenophila</i> Hertel: lichen, juvenile lichenicolous on <i>Dimelaena oreina</i></p> <p><i>vorax</i> Leuckert & Poelt: lichenicolous lichen on <i>Lecanora rupicola</i></p>	Rambold & Triebel 1992		
<i>Miriquidica</i>	intrudens (H. Magn.) Hertel & Rambold: lichenicolous lichen on <i>Rhizocarpon</i>	Rambold & Triebel 1992		
<i>Ramboldia</i>	<i>insidiosa</i> (Th. Fr.) Hafellner: lichenicolous lichen on <i>Lecanora varia</i>	Hafellner & Türk 1995		
Lecideaceae				
<i>Bellemerea</i>	<i>cupreoatra</i> (Nyl.) Clauz. & Cl. Roux: lichenicolous lichen on <i>Buellia</i> , becoming independent	Rambold & Triebel 1992		
<i>Cecidonia</i>	<p>umbonella (Nyl.) Triebel & Rambold: on <i>Lecidea</i></p> <p>xenophana (Körb.) Triebel & Rambold: on <i>Porpidia</i></p>	Triebel & Rambold 1988		<p>umbonella: nrLSU: AY532990; beta-tubulin: AY536768</p> <p>xenophana: nrLSU: AY532991; beta-tubulin: AY536769</p>
<i>Immersaria</i>	<p><i>athroocarpa</i> (Ach.) Rambold & Pietschmann: lichen, facultative juvenile lichenicolous on <i>Aspicilia</i> and other lichens</p> <p>usbekica (Hertel) Barbero, Nav.-Ros. &</p>	Rambold & Triebel 1992		

	Roux: lichen, facultative juvenile lichenicolous on <i>Aspicila</i> and other lichens			
<i>Lecidea</i> s. lat.	<p>acervata Stiz.: on <i>Pseudoparmelia</i> [a poorly known taxon]</p> <p>cetrariicola Lindsay: on <i>Cetraria</i></p> <p>grumannii Hertel: lichenicolous lichen on <i>Acarospora</i></p> <p>halacsyi J. Steiner: on <i>Rhizocarpon geographicum</i></p> <p>perforans Stiz.: on <i>Parmotrema</i> [a poorly known taxon]</p> <p>rapax Hertel: lichenicolous lichen on <i>Aspicilia</i> and <i>Bellemerea</i></p> <p>verruca Poelt: lichenicolous lichen on <i>Aspicilia</i></p>	Hafellner 2006 Rambold & Triebel 1992		
<i>Poeltiaria</i>	<i>coromandelica</i> (Zahlbr.) Rambold & Hertel: lichen, juvenile lichenicolous on <i>Parapordia leptocarpa</i>	Rambold & Triebel 1992		
Mycoblastaceae				
<i>Tephromela</i>	<p>campestricola (Nyl.) Rambold & Triebel: on <i>Lecanora pseudistera</i> and L. sp.</p> <p>cerasina (Müll. Arg.) Rambold & Triebel: on <i>Dirinaria</i></p> <p>koliensis (Räs.) Rambold & Triebel: on <i>Lecanora argopholis</i></p>	Rambold 1993		
Parmeliaceae				

<i>Phacopsis</i>	<p>australis Aptroot & Triebel: on <i>Xanthoparmelia</i></p> <p>cephalodioides (Nyl.) Triebel & Rambold: on <i>Hypogymnia physodes</i></p> <p>doerfeltii Alstrup & P. Scholz: on <i>Arctoparmelia centrifuga</i></p> <p>falcispora Triebel & Rambold: on <i>Usnea</i></p> <p>fusca (Triebel & Rambold) Diederich: on <i>Xanthoparmelia</i> and other parmelioid genera (<i>Hypogymnia</i>, <i>Parmelinopsis</i>, <i>Parmotrema</i>, <i>Pseudevernia</i>)</p> <p>huuskonenii Räsänen: on <i>Bryoria</i></p> <p>lethariellae Hafellner & Rambold: on <i>Lethariella intricata</i></p> <p>oroarcticae Zhurb.: on <i>Brodoa oroarctica</i></p> <p>oxyspora (Tul.) A. Massal. [incl. <i>menegazziae</i> Triebel & Rambold]: on <i>Everniastrum</i>, <i>Hypotrachyna</i>, <i>Melanohalea</i>, <i>Menegazzia</i>, <i>Parmelia</i>, <i>Platismatia</i> and <i>Punctelia</i></p> <p>prolificans (Müll. Arg.) Triebel & Rambold: on <i>Platismatia interrupta</i></p> <p>rufa (Müll. Arg.) Triebel: on <i>Cetrelia</i> and <i>Punctelia</i></p> <p>thallicola (A. Massal.) Triebel & Rambold: on <i>Cetrelia</i>, <i>Flavoparmelia</i>, <i>Flavopunctelia</i> and <i>Parmotrema</i></p> <p>usneae C. W. Dodge: on <i>Usnea</i> subgen. <i>Neuropogon</i></p> <p>vulpina Tul.: on <i>Letharia</i></p>	<p>Etayo & Sancho 2006 Hafellner 1987a Scholtz 1998 Triebel & Rambold 1988 Triebel et al. 1995 Zhurbenko 2010b</p>		<p>huuskonenii: (Phuu): ITS: AF450283</p> <p>huuskonenii (D41): nrSSU: AF450289</p> <p>oxyspora (D169): ITS: AF450287</p> <p>oxyspora (D20): ITS: AF450284</p> <p>oxyspora (PhCop1): nrSSU: AF450290</p> <p>vulpina (D132): ITS: AF450285</p>
<i>Protoparmelia</i>	<p><i>atriseda</i> (Fr.) R. Sant. & V. Wirth: lichen, juvenile lichenicolous on <i>Rhizocarpon cupreobadia</i> (Nyl.) Poelt: lichen, juvenile lichenicolous on <i>Rhizocarpon</i></p>	<p>Rambold & Triebel 1992</p>		

	<p><i>leproloma</i> (R. Sant.) Rambold & Poelt: lichenicolous lichen on <i>Lecidea praenubila</i></p> <p><i>loricata</i> Poelt & Vězda: lichenicolous lichen on <i>Lecanora umbrosa</i></p> <p><i>phaeonesos</i> Poelt: lichenicolous lichen on <i>Aspicilia myrinii</i></p> <p><i>placentiformis</i> (J. Steiner) Poelt: lichen, juvenile lichenicolous on <i>Bellemerea cupreoatra</i></p>			
Physciaceae				
<i>Buellia</i>	<p>adjuncta Th. Fr.: on <i>Lecanora straminea</i> (and <i>Rinodina olivaceobrunnea</i> ?)</p> <p><i>badia</i> (Fr.) A. Massal.: lichen, juvenile parasite on saxicolous <i>Parmelia</i> s. lat.</p> <p><i>caloplacivora</i> Llimona & Egea: lichenicolous lichen on <i>Caloplaca</i>, becoming independent</p> <p><i>imshaugii</i> Hafellner: lichenicolous lichen on <i>Dimelaena oreina</i></p> <p><i>miriquidica</i> Scheidegger: lichenicolous lichen on <i>Schaereria fuscocinerea</i></p> <p><i>uberior</i> Anzi: lichenicolous lichen on <i>Schaereria fuscocinerea</i>, soon becoming independent</p> <p>uruguayensis Etayo & Osorio: on <i>Caloplaca felipponei</i></p> <p>vouauxii Calatayud & Barreno: on <i>Rhizoplaca melanophthalma</i></p>	<p>Calatayud & Barreno 1995</p> <p>Clauzade et al. 1989</p> <p>Etayo & Osorio 2004</p> <p>Hafellner 1979</p> <p>Rambold & Triebel 1992</p> <p>Scheidegger 1987</p>		
' <i>Caliciella</i> '	<p>parasitica Räsänen: on <i>Chaenotheca furfuracea</i></p>	<p>Clauzade et al. 1989</p> <p>Kaufmann & Hofmann 1998</p>		
<i>Cyphelium</i>	<p>marcianum B. de Lesd.: on <i>Pertusaria pseudocorallina</i></p> <p>sessile (Pers.) Trevis.: on <i>Pertusaria coccodes</i> and other corticolous <i>Pertusaria</i></p>	<p>Giavarini & Purvis 2009</p> <p>Tibell 1971</p>		

<i>Dimelaena</i>	<i>lichenicola</i> K. Knuds., Sheard, Kocourk. & H. Mayrhofer: juvenile lichenicolous on <i>Dimelaena oreina</i> and <i>D. thysanota</i>	Knudsen et al. 2013		
<i>Diplotomma</i>	<i>Buellia lecanoricola</i> Renob., nom. nud.: on <i>Lecanora albescens</i> , soon with it's own thallus <i>murorum</i> (A. Massal.) Coppins: lichenicolous lichen on <i>Caloplaca teicholyta</i> <i>nivalis</i> (Bagl. & Carestia) Hafellner: on <i>Xanthoria elegans</i> , <i>X. sorediata</i> and <i>Caloplaca</i> , soon with it's own thallus parasiticum (B. de Lesd.) Diederich, Cl. Roux & Van Haluwyn: on <i>Lecanora</i> gr. <i>dispersa</i> <i>scheideggerianum</i> (Bricaud & Cl. Roux) Nimis: lichenicolous lichen on <i>Caloplaca xantholyta</i> <i>vezdanum</i> (P. Scholz & Knoph) Coppins: lichenicolous lichen on <i>Caloplaca verruculifera</i>	Bricaud & Roux 1991 Duke & Purvis 2009 Hafellner 1979 Renobales 1996 Roux 20xx		
<i>Endohyalina</i>	brandii Giralt, van den Boom & Elix: on <i>Aspicilia intermutans</i> , often lichenized with an own thallus diederichii Giralt, van den Boom & Elix: on <i>Ramalina</i> , occasionally lichenized with a reduced thallus insularis (Arnold) Giralt, van den Boom & Elix: on <i>Lecanora rupicola</i> agg., very rarely lichenized with a reduced thallus	Giralt et al. 2010		
<i>Rinodina</i>	egedeana (Lindsay) Alstrup & D. Hawksw.: on <i>Parmelia</i> and <i>Peltigera</i> <i>insularis</i> (Arnold) Hafellner: lichenicolous lichen on <i>Lecanora bicincta</i> and <i>L. rupicola</i> <i>obnascens</i> (Nyl.) H. Olivier: lichenicolous	Alstrup & Hawksworth 1990 Rambold & Triebel 1992		

	lichen on <i>Aspicilia</i> and <i>Rhizocarpon parasitica</i> Mayrhofer & Poelt: lichenicolous lichen on <i>Aspicilia</i> , <i>Lecanora</i> and <i>Lecidea santorinensis</i> J. Steiner: lichen, facultatively lichenicolous on <i>Diploicia</i> , <i>Ochrolechia</i> , <i>Pertusaria</i> , etc. <i>superposita</i> H. Magn.: lichenicolous lichen on <i>Lecanora</i> and <i>Lecidea</i>			
<i>Tetramelas</i>	<i>concinus</i> (Th. Fr.) Giralt: lichenicolous lichen on <i>Buellia</i> , <i>Melanelia</i> , <i>Parmelia</i> , <i>Physcia</i> and <i>Pseudephebe</i> , becoming independent phaeophysciae A. Nordin & Tibell: on <i>Phaeophyscia</i> and <i>Physcia</i> pulverulentus (Anzi) A. Nordin & Tibell: mainly on <i>Physconia</i> , also on <i>Anaptychia</i> , <i>Phaeophyscia</i> and <i>Physcia</i>	Hafellner & Poelt 1980 Nordin & Tibell 2005 Scheidegger & Ruef 1988		
Pilocarpaceae				
<i>Micarea</i>	inquinans (Tul.) Coppins: on <i>Dibaeis baeomyces</i>	Coppins 2009		
<i>Scutula</i> [incl. <i>Karsteniomyces</i> and <i>Libertiella</i> anamorphs]	cladonicola Alstrup & D. Hawksw.: on <i>Cladonia stricta</i> Libertiella curvispora D. Hawksw. & Miadl.: on <i>Peltigera dedicata</i> Triebel, Wedin & Rambold: lichenicolous lichen on <i>Peltigera</i> Libertiella didymospora D. Hawksw. & Miadl.: on <i>Peltigera</i> epiblastematica (Wallr.) Rehm: on <i>Peltigera</i> <i>heerii</i> (Hepp) Trevis.: lichenicolous lichen on <i>Peltigera</i> Libertiella fennica Alstrup: on <i>Peltigera</i>	Alstrup 1997 Alstrup & Hawksworth 1990 Boqueras & Diederich 1993 Etayo & Diederich 1995 Etayo & Sancho 2008 Etayo & Triebel 2010 Hawksworth 1980b Hawksworth 1981 Hawksworth & Miadlikowska 1997a Triebel et al. 1997 Wedin et al. 2007		tuberculosa [=krempehuberi]: mtSSU: AY567789 miliaris : mtSSU: AY567790

	<p>Libertiella leprariae Etayo & Diederich: on <i>Lepraria</i></p> <p>Karsteniomyces llimonae Boqueras & Diederich: on <i>Parmelina quercina</i></p> <p>miliaris (Wallr.) Trevis.: on <i>Peltigera</i> [anamorph: <i>Karsteniomyces peltigerae</i> (P. Karst.) D. Hawksw.]</p> <p>Libertiella malmedyensis Speg. & Roum.: on <i>Peltigera</i></p> <p>nephromatis (Speg.) Etayo: on <i>Nephroma antarcticum</i></p> <p>Libertiella obscurior Gerber: on <i>Brodoa intestiniformis</i></p> <p>pseudocyphellariae Etayo & Triebel: on <i>Pseudocyphellaria</i></p> <p>stereocaulorum (Anzi) Körber: on <i>Stereocaulon</i></p> <p>tuberculosa (Th. Fr.) Rehm: on <i>Solorina</i></p> <p>Karsteniomyces tuberculosus Alstrup & D. Hawksw.: on <i>Peltigera leucophlebia</i></p>			
Psoraceae				
<i>Glyphopeltis</i>	<i>ligustica</i> (B. de Lesd.) Timdal: lichen, juvenile parasite on <i>Peltula</i>	Ott & Scheidegger 1992 Rambold & Triebel 1992		
<i>Psorula</i>	<i>rufonigra</i> (Tuck.) G. Schneider: lichenicolous lichen on <i>Spilonema</i>	Rambold & Triebel 1992		
Ramalinaceae				
<i>Bacidia</i>	killiasii (Hepp) D. Hawksw.: on <i>Peltigera</i>	Rambold & Triebel 1992		
<i>Toninia</i>	collematicola Timdal: on <i>Collema</i> episema (Nyl.) Timdal: on <i>Aspicilia</i> leptogii Timdal: on <i>Collema</i> and <i>Leptogium</i> <i>nordlandica</i> Th. Fr.: lichenicolous lichen on <i>Placynthium</i> and other lichens with	Etayo & Sancho 2008 Rambold & Triebel 1992 Timdal 1992		plumbina : ITS: AF282107 verrucarioides : ITS: AF282128

	<p>cyanobacteria</p> <p>plumbina (Anzi) Hafellner & Timdal: on <i>Degelia</i></p> <p>subfuscae (Arnold) Timdal: on <i>Lecanora</i>, rarely on <i>Lecidella</i></p> <p>talparum Timdal: on <i>Lecania ualae</i> Etayo: lichenicolous lichen on <i>Pseudocyphellaria</i> and <i>Nephroma antarcticum</i></p> <p>verrucariae (Nyl.) Timdal: on <i>Bagliettoa</i> and <i>Encephalographa elisae</i></p> <p>verrucarioides (Nyl.) Timdal: lichenicolous lichen on <i>Placynthium</i></p>			
Rhizocarpaceae				
<i>Epilichen</i>	<p><i>glaucinigellus</i> (Nyl.) Hafellner: lichenicolous lichen on <i>Baeomyces</i></p> <p><i>scabrosus</i> (Ach.) Clements: lichenicolous lichen on <i>Baeomyces</i></p> <p>stellatus Triebel: on <i>Lecidea</i> cf. <i>tessellata</i></p>	<p>Hafellner 1978</p> <p>Triebel 1989</p>		
<i>Rhizocarpon</i>	<p>advenulum (Leight.) Hafellner & Poelt: on <i>Pertusaria flavicans</i> and <i>P. rupicola</i></p> <p><i>asiaticum</i> (Poelt) Poelt: lichenicolous lichen on <i>Sporastatia</i></p> <p>bryonthae Poelt: on <i>Pertusaria bryontha captans</i> Poelt: lichenicolous lichen on <i>Aspicilia</i></p> <p><i>destructans</i> Alstrup: lichenicolous lichen on <i>Lecanora polytropa</i></p> <p>dinothetes Hertel & Leuckert: lichenicolous lichen on <i>Protoparmelia</i></p> <p><i>diploschistidina</i> McCune: lichenicolous lichen on <i>Diploschistes muscorum</i></p>	<p>Lumbsch et al. 2011</p> <p>Rambold & Triebel 1992</p>		

epispilum (Nyl.) Zahlbr, s.lat.: on saxicolous
Pertusaria
fratricida Poelt & Nimis: lichenicolous lichen
on *Rhizocarpon*
fuegianum Poelt, nom. nud.: lichenicolous
lichen on *Rhizocarpon geographicum*
furax Poelt & V. Wirth: lichenicolous lichen on
Lecidea
inimicum Poelt & Vězda: lichenicolous lichen
on *Lecanora rupicola* s.lat.
kakurgon Poelt: lichenicolous lichen on
Aspicilia
kansuense H. Magn.: lichenicolous lichen on
Aspicilia
lusitanicum (Nyl.) Arnold: lichenicolous
lichen on saxicolous *Pertusaria*
malenconianum (Llimona & Werner)
Hafellner & Mayrhofer: on *Diploschistes*
narssaqense Alstrup: on *Lecanora*
atromarginata
ochrolechia (Poelt & Nimis) Hafellner: on
Ochrolechia parella
pusillum Runem.: lichenicolous lichen on
Sporastatia
rapax V. Wirth & Poelt: on *Acarospora*,
Aspicilia and *Rimularia*
renneri Poelt: on *Dimelaena oreina*
santessonii Timdal: on *Tremolecia atrata*
schedomyces Hafellner & Poelt: on
saxicolous *Pertusaria*
viridiatrum (Wulf.) Koerb.: lichen, juvenile
often lichenicolous on *Aspicilia*, *Lecidea*,
Tremolecia

	<i>vorax</i> Poelt & Hafellner: on <i>Ochrolechia parella</i> and <i>Pertusaria</i>			
Teloschistaceae				
<i>Caloplaca</i> s. lat.	<i>anchonphoeniceon</i> Poelt & Clauz.: lichenicolous lichen on <i>Aspicilia</i> <i>epithallina</i> Lynge: lichenicolous lichen on <i>Acarospora</i> , <i>Aspicila</i> , <i>Dimelaena</i> , <i>Lecanora</i> , <i>Melanelia</i> , <i>Pleopsidium</i> , <i>Psorinia</i> , <i>Rhizocarpon</i> , <i>Rhizoplaca</i> , <i>Stereocaulon</i> , <i>Tephromela</i> , <i>Umbilicaria</i> <i>epitoninia</i> O. Breuss: lichenicolous lichen on <i>Toninia aromatica</i> <i>grimmiae</i> (Nyl.) H. Olivier: lichenicolous lichen on <i>Candelariella</i> <i>inconnexa</i> (Nyl.) Zahlbr.: lichen, juvenile lichenicolous on <i>Acarospora</i> , <i>Aspicilia</i> , <i>Caloplaca</i> <i>inconnexa</i> var. <i>nesodes</i> Poelt & Nimis: lichenicolous lichen on <i>Aspicilia</i> <i>infestans</i> H. Magn.: lichenicolous lichen on <i>Aspicilia</i> , <i>Caloplaca</i> , <i>Lecanora</i> <i>insularis</i> Poelt: lichenicolous lichen on <i>Aspicilia</i> <i>interna</i> Poelt & Nimis: lichenicolous lichen on <i>Aspicilia</i> <i>lecanorae</i> F. C. Seavey & J. L. Seavey: lichenicolous lichen on <i>Lecanora leprosa</i> <i>magni-filii</i> Poelt: lichenicolous lichen on <i>Miriquidica nigroleprosa</i> <i>megalariicola</i> Øvstedal: lichenicolous lichen on <i>Megalaria grossa</i> <i>necator</i> Clauz. & Poelt: lichenicolous lichen on <i>Aspicilia</i> <i>psoricida</i> Hansen, Poelt & Søchting:	Breuss 1990 Fryday & Øvstedal 2012 Nimis et al. 1994 Olech & Søchting 1993 Rambold & Triebel 1992 Seavey & Seavey 2012 Wetmore 1999		

	lichenicolous lichen on <i>Psora rubiformis rinodinae-albae</i> Poelt & Nimis: lichenicolous lichen on <i>Rinodina alba</i>			
<i>Catenarina</i>	<i>desolata</i> Søchting, Søgaard & Elvebakk: lichenicolous lichen on <i>Aspicilia</i>	Søchting et al. 2014		
<i>Flavoplaca</i>	<i>polycarpa</i> (A. Massal.) Arup, Frödén & Søchting: lichenicolous lichen on <i>Bagliettoa</i>	Arup et al. 2013		
<i>Fulgensia</i>	<i>epiplacynthium</i> Etayo: lichenicolous lichen on <i>Placynthium filiforme</i>	Etayo 2010c		
<i>Pachypeltis</i>	<i>invadens</i> (Lyngé) Søchting, Frödén & Arup: lichenicolous lichen on <i>Lecanora</i> , <i>Physcia caesia</i>	Arup et al. 2013		
Lecanorales incertae sedis				
<i>Corticifraga</i>	chugachiana Zhurb.: on <i>Lobaria oregana</i> fuckelii (Rehm) D. Hawksw. & R. Sant.: on <i>Peltigera</i> fusispora Zhurb.: on <i>Peltigera aphthosa</i> and <i>P. leucophlebia</i> peltigerae (Fuckel) D. Hawksw. & R. Sant.: on <i>Peltigera</i> , exceptionally on <i>Solorina</i> and <i>Pseudocyphellaria</i> pseudocyphellariae Etayo: on <i>Pseudocyphellaria</i> santessonii Zhurb. & Zavarzin: on <i>Lobaria</i> and <i>Nephroma</i>	Etayo & Sancho 2008 Hawksworth & Santesson 1990 Zhurbenko 2007c Zhurbenko 2009b		
<i>Corticiruptor</i>	abeloneae (P. M. Jørg.) Wedin & Hafellner: on <i>Sticta</i> corallinus Etayo: on <i>Pseudocyphellaria</i>	Etayo & Sancho 2008 Wedin & Hafellner 1998		
<i>Nimisiostella</i>	lichenicola Calat., Barreno & O. E. Erikss.: on <i>Parmelia saxatilis</i>	Calatayud et al. 1997		
<i>Scoliciosporum</i>	<i>pseudocyphellariae</i> Etayo: lichenicolous lichen on <i>Pseudocyphellaria</i> <i>intrusum</i> (Th. Fr.) Hafellner: lichen,	Etayo & Sancho 2008 Hafellner 2002 Hafellner 2004b		

	frequently lichenicolous on <i>Rhizocarpon</i> , <i>Lecidea</i> or other saxicolous lichens <i>vouauxii</i> (B. de Lesd.) Hafellner: xxx on <i>Ramalina</i>			
<i>Umbilithecium</i>	pseudocyphellariae Etayo: on <i>Pseudocyphellaria</i>	Etayo & Sancho 2008		
<i>Umushamyces</i>	keturnum Etayo: on <i>Coccotrema cucurbitula</i>	Etayo & Sancho 2008		
Lecanoromycetes incertae sedis	<i>nannaria</i> (Tuck.) Lendemer & Beeching: lichen, at least facultative lichenicolous on <i>Pyrrhospora varians</i>	Lendemer & Harris 2014		

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	Species (lichenicolous fungi in bold; lichenicolous lichens or facultative lichenicolous fungi in italics)	Significant literature	Cultures (with accession numbers when known; culture collection links)	Sequences (with accession numbers)
ASCOMYCOTA				
Agyriales				
Agyriaceae				
<i>Hafellnera</i>	<i>parasemella</i> (Nyl.) Houmeau & Cl. Roux: lichenicolous lichen on <i>Biatora vernalis</i>	Houmeau & Roux 1984 Rambold & Triebel 1992		
<i>Rimularia</i>	<i>furvella</i> (Mudd) Hertel & Rambold: lichenicolous lichen on various lichens <i>insularis</i> (Nyl.) Rambold & Hertel: lichenicolous lichen on <i>Leanora rupicola</i>	Rambold & Triebel 1992		

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	Species (lichenicolous fungi in bold; lichenicolous lichens or facultative)	Significant literature	Cultures (with accession numbers when known; culture collection links)	Sequences (with accession numbers)

	<i>lichenicolous fungi in italics)</i>			
ASCOMYCOTA				
Ostropales				
Gomphillaceae				
<i>Gyalideopsis</i>	cochlearifer Lücking & Sérus.: on foliicolous Gomphillaceae epithallina R. Lücking: on foliicolous <i>Gyalideopsis vulgaris</i> floridae Etayo & Diederich: on <i>Parmotrema</i> parvula Kalb & Vězda: on foliicolous Pilocarpaceae stereocaulicola Etayo: on <i>Stereocaulon</i>	Etayo 2010b Etayo & Diederich 2001 Lücking 1997 Lücking & Sérusiaux 1998		
Stictidaceae				
<i>Nanostictis</i>	christiansenii Etayo: on <i>Lobaria pulmonaria</i> nephromatis Etayo: on <i>Nephroma antarcticum</i> peltigerae M.S. Christ.: on <i>Peltigera</i> pluriseptata Etayo: on <i>Lobaria</i> gr. <i>pallida</i> pseudocyphellariae Sherwood: on <i>Pseudocyphellaria</i> stictae Etayo: on <i>Sticta</i>	Etayo 2002a Etayo & Diederich 1996b Etayo & Sancho 2008		
<i>Sphaeropezia</i>	bryoriae (Diederich & Etayo) Baloch & Wedin: on <i>Bryoria</i> cucularis (Norman) Baloch & Wedin: on <i>Parmeliopsis</i> figulina (Norman) Baloch & Wedin: on <i>Lecanora polytropa</i> intermedia (Diederich, Zhurb. & Etayo) Baloch & Wedin: on <i>Thamnolia vermicularis</i> japewiae (Zhurb. & Diederich) Baloch & Wedin: on <i>Japewia tornøensis</i>	Baloch et al. 2013 Diederich et al. 2002 Etayo & Sancho 2008 Zhurbenko 2009b		

	<p>lecanorae (Diederich & Marson) Baloch & Wedin: on <i>Lecanora</i></p> <p>melaneliae (Diederich & Zhurb.) Baloch, Gilenstam & Wedin: on <i>Melanelia hepatizon</i> and <i>Melanohalea olivacea</i></p> <p>mycoblasti Diederich, Baloch & Wedin: on <i>Mycoblastus</i></p> <p>navarinoi (Etayo) Baloch & Wedin: on <i>Micarea magellanica</i></p> <p>ochrolechia (Diederich, Holien & Zhurb.) Baloch & Wedin: on <i>Ochrolechia</i></p> <p>pertusariae (Etayo, Diederich & Coppins) Baloch & Wedin: on <i>Pertusaria hymenea</i></p> <p>rhizocarpicola (Zhurb., Diederich & Himelbrant) Baloch & Wedin: on <i>Rhizocarpon</i> gr. <i>geographicum</i></p> <p>santessonii (Zhurb., Etayo & Diederich) Baloch & Wedin: on <i>Thamnolia vermicularis</i></p> <p>sipei (Grummann) Baloch & Wedin: on <i>Letharia</i></p> <p>thamnoliae (Zhurb., Diederich & Etayo) Baloch & Wedin: on <i>Thamnolia</i></p> <p>sp. 2: on <i>Usnea</i></p> <p>sp. 3: on <i>Lecanora</i></p>			
<i>Stictis</i> s. lat.	cladoniae (Rehm) Sacc.: on <i>Cladonia</i>	Sherwood 1977		
Thelotremataceae				
<i>Diploschistes</i>	<p><i>bisporus</i> (Bagl.) Steiner: lichen, facultative lichenicolous on <i>Rhizocarpon geographicum</i> s. lat.</p> <p><i>caesioplumbeus</i> (Nyl.) Vainio: lichen, facultative lichenicolous on <i>Lecanora gangaleoides</i></p>	Lumbsch 1989		

	<i>euganeus</i> (A. Massal.) Steiner: lichen, facultative lichenicolous on <i>Ochrolechia parella</i> muscorum (Scop.) R. Sant.: lichenicolous on <i>Cladonia</i> (rarely <i>Stereocaulon</i>) when young, later an independent lichen			
Ostropales incertae sedis				
<i>Aabaarnia</i>	siphulicola Diederich: on <i>Siphula decumbens</i>	Diederich 2014		
<i>Biazrovia</i>	stereocaulicola Zhurb. & Etayo: on <i>Stereocaulon</i>	Zhurbenko & Etayo 2013		
<i>Normanogalla</i>	cribriformis (Norman) Diederich: on <i>Pertusaria dactylina</i> and <i>P. oculata</i>	Alstrup & Hawksworth 1990 Diederich 2014		
<i>Paraethariicola</i>	aspiciliae Calat., Etayo & Diederich: on <i>Aspicilia</i>	Calatayud et al. 2001a		
<i>Spirographa</i>	fusisporella (Nyl.) Zahlbr.: on diverse lichens usneae Flakus, Kukwa & Etayo: on <i>Usnea</i>	Diederich 2004 Flakus & Kukwa 2012 Sherwood-Pike 1987		
Ostropomycetidae incertae sedis				
<i>Phaeopyxis</i>	australis Rambold & Triebel: on <i>Paraporphidia</i> muscigenae Alstrup & E. S. Hansen: on <i>Physconia</i> punctum (A. Massal.) Rambold, Triebel & Coppins: on <i>Cladonia</i> varia Coppins, Rambold & Triebel: on <i>Trapeliopsis</i>	Alstrup & Hansen 2001 Rambold & Triebel 1990 Suija et al 2014/15		punctum (TU68298): ITS: KJ559545 ; nrLSU: KJ559568 ; nrSSU: KJ559588 punctum (Diederich 17303): ITS: KJ559551 ; nrSSU: KJ559591 punctum (TU65586): ITS: KJ559544 ; nrLSU: KJ559567 ; nrSSU: KJ559587

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	Species (lichenicolous fungi in bold;	Significant literature	Cultures (with accession numbers when known; culture collection	Sequences (with accession numbers)
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	<i>lichenicolous lichens or facultative lichenicolous fungi in italics)</i>		links)	
ASCOMYCOTA				
Helotiales				
Helotiaceae subfam. Encoelioideae				
<i>Diplolaeviopsis</i>	ranula Giralt & D. Hawksw.: on <i>Lecanora strobilina</i> and <i>L. strobilinoidea</i> symmictae Diederich & Coppins: on <i>Lecanora symmicta</i>	Diederich & Coppins 2014 Giralt & Hawksworth 1991 Suija et al 2014/15		cf. ranula (Diederich 16989): ITS: KJ559532 ; nrLSU: KJ559554
<i>Llimoniella</i>	acarosporicola (Kocourk. & K. Knudsen) Diederich & Ertz: on <i>Acarospora socialis</i> adnata Hafellner & Nav.-Ros.: on <i>Placidium</i> catapyrenii Zhurb., Kukwa & Flakus: on <i>Catapyrenium</i> cinnabarinae Pérez-Ortega, Etayo & T. Sprib.: on <i>Ramboldia cinnabarina</i> fuscatae Hafellner & Obermayer: on <i>Acarospora fuscata</i> gregorellae (Alstrup & D, Hawksw.) Triebel & Hafellner: on <i>Gregorella humida</i> groenlandiae (Alstrup & D, Hawksw.) Triebel & Hafellner: on <i>Caloplaca</i> and <i>Fulgensia</i> heppiae (Nav.-Ros., Hladun & Llimona) Diederich & Ertz: on <i>Heppia</i> muralicola Halici: on <i>Lecanora muralis</i> (probably belongs to <i>Unguiculariopsis</i>) pertusariae Diederich & Etayo: on <i>Pertusaria glaucomela</i> and <i>P. ophthalmiza</i> phaeophysciae Diederich, Ertz & Etayo: on <i>Phaeophyscia</i> placomaroneae Etayo & Diederich: on	Diederich & Etayo 2000 Diederich et al. 2010 Etayo 2010b Pérez-Ortega et al. 2011 Suija et al 2014/15 Zhurbenko 2013a		gregorellae (Vondrák 8374): ITS: KJ559547 ; nrLSU: KJ559569 ; nrSSU: KJ559589 gregorellae (CBFS JV9954): ITS: KJ559531 ; nrLSU: KJ559553 ; nrSSU: KJ559581 sp. (Diederich 17525): ITS: KJ559533 ; nrLSU: KJ559555

	<p><i>Placomaronea candelarioides</i> placopsidis Diederich & Fryday: on <i>Placopsis</i> pyrenulae Diederich & Etayo: on <i>Pyrenula</i> ramalinae (Müll. Arg.) Etayo & Diederich: on <i>Ramalina celastri</i> and <i>R. unilateralis</i> terricola (Arnold) M. Schultz, Diederich & Ertz: on <i>Epiphloea byssina</i> scabridula (Müll. Arg.) Nav.-Ros. & Hafellner: on <i>Acarospora nodulosa</i> and <i>A.</i> <i>placodiiformis</i> vinosa (Holien & Triebel) Diederich & Etayo: on <i>Ochrolechia</i> and <i>Pertusaria</i> cf. <i>borealis</i></p>			
<i>Rhymbocarpus</i>	<p>aggregatus Etayo & Diederich: on <i>Buellia</i> <i>griseovirens</i> boomii Etayo & Diederich: on <i>Dirina</i> <i>ceratoniae</i> cruciatus (Sherwood, D. Hawksw. & Coppins) Etayo & Diederich: on <i>Diploicia</i> <i>canescens</i> ericetorum (Körb.) Etayo, Diederich & Ertz: on <i>Dibaeis baeomyces</i> fuscoatrae (Hafellner) Diederich & Etayo: on <i>Lecidea fuscoatra</i> geographici (J. Steiner) Vouaux: on <i>Rhizocarpon</i> makarovae Diederich & Etayo: on <i>Porpidia</i> neglectus (Vain.) Diederich & Etayo: on the <i>Lepraria neglecta</i> group pertusariae Diederich, Zhurb. & Etayo: on <i>Pertusaria panyrga</i> pubescens (Etayo & Diederich) Diederich & Etayo: on <i>Lepraria</i></p>	<p>Diederich & Etayo 2000 Diederich et al. 2010 Etayo & Diederich 2011 Suija et al 2014/15</p>		<p>fuscoatrae (Ertz 16200): ITS: KJ559549; nrLSU: KJ559571; nrSSU: KJ559593</p>

	<p>roccellae (Etayo, Paz-Bermúdez & Diederich) Etayo, Diederich & Ertz: on <i>Roccella</i></p> <p>stereocaulorum (Alstrup & D. Hawksw.) Etayo & Diederich: on <i>Stereocaulon</i></p>			
<i>Skyttea</i>	<p>anzia Etayo & Diederich: on <i>Anzia</i></p> <p>arenicola Alstrup & E. S. Hansen: probably not a <i>Skyttea</i> and not lichenicolous</p> <p>buelliae Sherwood, D. Hawksw. & Coppins: on <i>Buellia punctata</i></p> <p>caesii Diederich & Etayo: on <i>Mycoblastus</i> (incl. <i>M. caesius</i>)</p> <p>carbonea Diederich & Etayo: on <i>Carbonea montevidensis</i></p> <p>cismonicae Hafellner: on <i>Loxospora</i></p> <p>dacampiae Zhurb.: on <i>Dacampia hookeri</i></p> <p>elachistophora (Nyl.) Sherwood & D. Hawksw.: on cf. <i>Tylothallis biformigera</i></p> <p>fusispora Sherwood, D. Hawksw. & Coppins: on <i>Ochrolechia</i></p> <p>gossypina Etayo: on <i>Phlyctis argena</i></p> <p>gregaria Sherwood, D. Hawksw. & Coppins: on <i>Mycoblastus fucatus</i></p> <p>hawksworthii Diederich: on <i>Verrucaria</i></p> <p>heterochroae Nav.-Ros. & Muñiz: on <i>Pertusaria heterochroa</i></p> <p>lecanorae Diederich & Etayo: on <i>Lecanora</i></p> <p>mayrhoferi Diederich & Etayo: on <i>Pertusaria melanospora</i></p> <p>megalosporae Etayo & Diederich: on <i>Megalospora tuberculosa</i></p> <p>nitschkei (Körb.) Sherwood, D. Hawksw. & Coppins: on <i>Thelotrema lepadinum</i></p> <p>pertusariicola Diederich & Etayo: on</p>	<p>Alstrup & Hansen 2001 Diederich & Etayo 2000 Diederich & Etayo 2004 Etayo 2002a Etayo 2010c Etayo & Sancho 2008 Hafellner 2000 Navarro-Rosinès & Muñiz 2009 Suija et al 2014/15</p>	<p>nitschkei: Culture obtained by Crittenden et al. (1995)</p>	<p>gregaria (NY0118113): ITS: KJ559537; nrLSU: KJ559559</p> <p>lecanorae (Ertz 16099): nrLSU: KJ559574; nrSSU: KJ559597</p> <p>lecanorae (NY1595972): ITS: KJ559539; nrLSU: KJ559561</p> <p>nitschkei (Ertz 17483): nrLSU: KJ559577; nrSSU: KJ559595</p> <p>pyrenulae (Ertz 16253): nrLSU: KJ559575; nrSSU: KJ559596</p> <p>radiatilis (NY00977030): ITS: KJ559536; nrLSU: KJ559558</p> <p>radiatilis (NY01231276): ITS: KJ559538; nrLSU: KJ559560</p>

	<p>corticolous <i>Pertusaria</i></p> <p>pyrenulae Diederich, Etayo & Coppins: on <i>Pyrenula</i></p> <p>radiatilis (Tuck.) R. Sant., Etayo & Diederich: on cf. <i>Loxospora pustulata</i></p> <p>richardsonii Iturr. & D. Hawksw.: on an unidentified lichen</p> <p>spinosa D. Hawksw. & Coppins: on <i>Verrucaria nigrescens</i></p> <p>tavaresae R. Sant., Etayo & Diederich: on <i>Pyrrhospora</i> cf. <i>quernea</i></p> <p>tephromelarum Kalb & Hafellner: on <i>Tephromela</i></p> <p>thelotrematis Diederich & Etayo: on <i>Thelotrema lepadinum</i></p> <p>violacea Etayo: on <i>Tephromela</i></p> <p>viridis D. Hawksw. & Coppins: on cf. <i>Micarea denigrata</i></p>			
<i>Thamnogalla</i>	crombiei (Mudd) D. Hawksw.: on <i>Thamnolia</i>	Hoffmann & Hafellner 2000 Lord et al. 2013 Suija et al 2014/15		<p>crombiei (Diederich 17315): ITS: KJ559550; nrLSU: KJ559578; nrSSU: KJ559594</p> <p>crombiei (Diederich 17544): ITS: KJ559534; nrLSU: KJ559556; nrSSU: KJ559556</p> <p>crombiei (Diederich 17553): ITS: KJ559535; nrLSU: KJ559557; nrSSU: KJ559583</p>
<i>Unguiculariopsis</i>	<p>acrocordiae (Diederich) Diederich & Etayo: on <i>Acrocordia gemmata</i></p> <p>ahatii D. Hawksw., D. J. Galloway & S. Y. Kondr.: on <i>Pseudocyphellaria</i></p> <p>damingshanica W. Y. Zhuang: on unidentified lichen on bamboo</p> <p>hispidula Etayo: on <i>Psoroma hispidulum</i></p>	<p>Brackel 2011a Coppins 1988 Diederich & Etayo 2000 Etayo & Diederich 1996b Etayo & Sancho 2008 Kondratyuk & Galloway 1995a Kondratyuk & Galloway 1995b Kondratyuk et al. 1994 Suija et al 2014/15</p>		<p>lettaui (TU45124): ITS: KJ559541; nrLSU: KJ559563</p> <p>lettaui (TU64867): ITS: KJ559543; nrLSU: KJ559566; nrSSU: KJ559586</p> <p>lettaui (Ertz 16346): ITS: KJ559548; nrLSU: KJ559579;</p>

	<p>lesdainii (Vouaux) Etayo & Diederich: on <i>Lecanora saligna</i></p> <p>lettaui (Grumann) Coppins: on <i>Evernia prunastri</i></p> <p>lobariellum S. Y. Kondr. & D. J. Galloway: on <i>Lobaria</i> and <i>Durietzia</i></p> <p>lucaniae Brackel: on <i>Lecidella elaeochroma</i></p> <p>macrocarpa Etayo: on <i>Pseudocyphellaria</i></p> <p>manriquei Etayo: on <i>Lobaria pulmonaria</i></p> <p>refractiva (Coppins) Coppins: on <i>Bilimbia</i></p> <p>thallophila (P. Karst) W. Y. Zhuang: on <i>Lecanora</i></p> <p>trieregia S. Y. Kondr. & D. J. Galloway: on <i>Sticta</i></p> <p>[see also <i>Llimoniella muralicola</i> Halici: on <i>Lecanora muralis</i>]</p>	Zhuang 2000		<p>nrSSU: KJ559592</p> <p>thallophila (TU45703): nrLSU: KJ559565</p> <p>thallophila (Diederich 16944): nrLSU: KJ559573</p>
Helotiales incertae sedis				
<i>Bryoscyphus</i>	lichenicola Alstrup & M. S. Cole: on <i>Cladonia</i> cf. <i>pyxidata</i>	Alstrup & Cole 1998		
<i>Calycina</i>	ucrainica (S. Y. Kondr.) S. Y. Kondr.: on <i>Cladonia</i>	Kondratyuk & Galloway 1995a Oksner 2010		
<i>Cecidioskyttea</i>	osorioi Etayo: on <i>Concamerella fistulosa</i>	Etayo & Osorio 2004		
<i>Chloroepilichen</i>	rolfii Etayo: on <i>Lobaria</i>	Etayo 2010b		
<i>Echinodiscus</i>	kozhevnikovii Zhurb.: on <i>Cetraria</i>	Etayo & Diederich 2000 Zhurbenko 2009a		
<i>Geltingia</i>	associata (Th. Fr.) Alstrup & D. Hawksw.: on <i>Ochrolechia</i> , <i>Pertusaria</i> and <i>Thamnolia</i>	Alstrup & Hawksworth 1990 Diederich et al. 2010 Suija et al 2014/15		<p>associata (TU45655): ITS: KJ559542; nrLSU: KJ559564; nrSSU: KJ559585</p> <p>associata (Pérez-Ortega 1039): ITS: KJ559540; nrLSU: KJ559562; nrSSU: KJ559584</p> <p>associata (Björk 22459): nrLSU:</p>

				KJ559576 ; nrSSU: KJ559580
<i>Hyalopeziza</i>	rapax Huhtinen: on <i>Pseudocyphellaria</i>	Huhtinen et al. 2008		
<i>Lachnella</i>	tetraspora (P. Henn.) Vouaux: on <i>Physcia integrata</i>	Clauzade et al. 1989 Vouaux 1914		
<i>Mollisia</i>	collematis Boud.: on <i>Collema</i>	Clauzade et al. 1989 Vouaux 1914		
<i>Niptera</i>	lichenicola (Speg.) Sacc.: on <i>Flavoparmelia caperata</i> microscopica (Crouan) Vouaux: on <i>Placynthiella uliginosa</i>	Clauzade et al. 1989 Vouaux 1914		
<i>Pezizella</i> auct.	epithallina (W. Phillips & Plowr.) Sacc.: on <i>Peltigera stictae</i> Etayo: on <i>Sticta</i>	Etayo 2002a Hawksworth 1980b Suija et al 2014/15		epithallina (TU39378): ITS: KJ559546 ; nrLSU: KJ559570 ; nrSSU: KJ559590 epithallina (Diederich 17411): ITS: KJ559552 ; nrLSU: KJ559572
<i>Pleoscutula</i>	arsenii Vouaux: on <i>Heterodermia hypotrachynae</i> Etayo & Diederich: on <i>Hypotrachyna</i>	Etayo 2002a Hafellner 1982b		
<i>Polydesmia</i>	lichenis Huhtinen & R. Sant.: on <i>Peltigera</i>	Huhtinen & Santesson 1997		
<i>Protounguicularia</i>	fasciculata (Etayo) Etayo: on <i>Ramalina stenospora</i> nephromatis (Zhurb. & Zavarzin) Huhtinen, D. Hawksw. & Ihlen: on <i>Nephroma</i>	Etayo 2010b Etayo & Triebel 2010 Huhtinen et al. 2008 Zhurbenko 2007a		
<i>Skyttella</i>	mulleri (Willey) D. Hawksw. & R. Sant.: on <i>Peltigera</i>	Hawksworth & Santesson 1988		

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	Species (lichenicolous fungi in bold; <i>lichenicolous lichens or facultative</i>)	Significant literature	Cultures (with accession numbers when known; culture collection links)	Sequences (with accession numbers)
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	<i>lichenicolous fungi in italics)</i>			
ASCOMYCOTA				
Phyllachorales				
Phyllachoraceae				
<i>Lichenochora</i>	<p>acutispora Etayo: on <i>Fuscopannaria magellanica</i></p> <p>aipoliae Etayo, Nav.-Ros. & Coppins: on <i>Physcia aipolia</i></p> <p>aprica Hafellner & Nik. Hoffm.: on <i>Aspicilia</i></p> <p>arctica Zhurb.: on <i>Candelariella canadensis</i> and neighbouring <i>Rinodina terrestris</i></p> <p>atrans Halici, K. Knudsen & Candan: on <i>Psora decipiens</i></p> <p>bellemerei Nav.-Ros., Cl. Roux & Diederich: on <i>Menegazzia</i></p> <p>caloplacae Zhurb.: on <i>Caloplaca</i></p> <p>clauzadei Nav.-Ros., Cl. Roux & Llimona: on <i>Squamarina</i></p> <p>coarctatae (B. de Lesd.) Hafellner & F. Berger: on <i>Trapelia</i></p> <p>collematum Nik. Hoffm. & Hafellner: on <i>Collema ceraniscum</i></p> <p>constrictella (Müll. Arg.) Hafellner: on <i>Fulgensia bracteata</i></p> <p>coppinsii Etayo & Nav.-Ros.: on <i>Protopannaria pezizoides</i></p> <p>elegantis Hafellner: on <i>Xanthoria elegans</i></p> <p>epidesertorum Nav.-Ros.: on <i>Fulgensia desertorum</i></p> <p>epifulgens Nav.-Ros. & Cl. Roux: on <i>Fulgensia fulgens</i></p> <p>epimarmorata Nav.-Ros.: on <i>Caloplaca marmorata</i></p>	<p>Aptroot et al. 1997</p> <p>Calatayud et al. 2000</p> <p>Etayo 2010c</p> <p>Etayo 2011</p> <p>Etayo et al. 2013</p> <p>Etayo & Navarro-Rosinés 2008</p> <p>Etayo & Sancho 2008</p> <p>Hafellner 1989</p> <p>Hafellner & Berger 2000</p> <p>Hafellner & Zimmermann 2012</p> <p>Hoffmann & Hafellner 2000</p> <p>Ihlen & Wedin 2005</p> <p>Navarro-Rosinés et al. 1994</p> <p>Navarro-Rosinés et al. 1998a</p> <p>Navarro-Rosinés et al. 1998c</p> <p>Navarro-Rosinés & Etayo 2001</p> <p>Navrotskaya et al. 1996</p> <p>Roux & Triebel 1994</p> <p>Triebel et al. 1991</p> <p>Zhurbenko 2013a</p> <p>Zhurbenko & Brackel 2013</p>		

epinashii Nav.-Ros. & Etayo: on *Caloplaca nashii*
gahavisukae Diederich: on ?*Graphis*
galligena R. Sant. & Hafellner: on *Physcia*
heppiae Cl. Roux: on *Heppia lutosa*
hyperphysciae Etayo: on *Hyperphyscia adglutinata*
inconspicua Hafellner: on *Mycobilimbia berengeriana*
lecidellae Boqueras & Nav.-Ros.: on *Lecidella elaeochroma*
lepidiotae (Anzi) Etayo & Nav.-Ros.: on *Fuscopannaria praetermissa*
mediterraneae Calat., Nav.-Ros. & E. Calvo: on *Fuscopannaria mediterranea*
monegrina Etayo: on terricolous *Polyblastia*
obscuroides (Linds.) Triebel & Rambold: on *Phaeophyscia*, more rarely *Physcia*
paucispora Etayo & Nav.-Ros.: on *Bilimbia sabuletorum*
physciicola (Ihlen & R. Sant.)Hafellner: on *Physcia dubia*
polycoccoides Hafellner & R. Sant.: on *Physcia tribacia*
pyrenodesmiae Nav.-Ros. & Cl. Roux: on *Caloplaca* cf. *variabilis*
rinodinae Zhurb.: on *Rinodina*
sinapispermae Etayo & Nav.-Ros.: on *Caloplaca sinapisperma*
tertia Etayo, Flakus & Rodr. Flakus: on *Xanthoria elegans*
thorii Zhurb.: on *Aspicilia moenium*
verrucicola (Wedd.) Nik. Hoffm. &

	Hafellner: on <i>Aspicilia calcarea</i> , <i>A. cinerea</i> and <i>A. contorta</i> wasseri S.Y. Kondr.: on <i>Caloplaca weillii</i> (Werner) Hafellner & R. Sant.: on <i>Physconia xanthoriae</i> Triebel & Rambold: on <i>Xanthoria elegans</i> (and <i>Caloplaca</i> ?)			
Trichosphaeriales				
Trichosphaeriaceae				
<i>Trichosphaeria</i>	lichenum P. Karst. & Hariot: on <i>Peltigera</i>	Clauzade et al. 1989 Hawksworth 1980b		
Xylariales				
Hyponectriaceae				
<i>Charonectria</i>	amabilis Lowen & D. Hawksw.: on <i>Phaeorrhiza</i>	Rossmann et al. 1999		
Xylariaceae				
<i>Anthostomella</i>	apogyra (Nyl.) Saccardo & D. Saccardo: on <i>Umbilicaria</i>	Clauzade et al. 1989 Matzer & Hafellner 1990		

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	Species (lichenicolous fungi in bold; <i>lichenicolous lichens or facultative lichenicolous fungi in italics</i>)	Significant literature	Cultures (with accession numbers when known; culture collection links)	Sequences (with accession numbers)
ASCOMYCOTA				
Hypocreales				
Bionectriaceae				
<i>Acremonium</i>	antarcticum (Speg.) D. Hawksw.: on various lichens, facultative lichenicolous bavaricum Brackel: on <i>Melanelixia glabratula</i>	Brackel et al. 2012 Diederich 1989 Diederich & Braun 2009 Hawksworth 1979a Lowen 1995	antarcticum : CBS 987.87; BCRC lichenicola : CBS (6 strains); VKM; BCRC	antarcticum (CBS 987.87): nrSSU+ITS: DQ825970 ; nrLSU: EF543830 persicinum (AFTOL 1391, CBS

	<p>hypholomatis (Boedijn) D. Hawksw.: on <i>Physcia stellaris</i>, facultative lichenicolous</p> <p>lichenicola W. Gams: on lichens and other substrata</p> <p>[<i>pedatum</i> Lowen: on <i>Hypogymnia physodes</i> = anamorph of <i>Trichonectria anisospora</i>]</p> <p><i>persicinum</i> (Nicot) W. Gams: isolated from lichens, facultative lichenicolous</p> <p>pertusariae Brackel & Etayo: on <i>Pertusaria psychrophilum</i> Möller & Gams: isolated from lichens</p> <p>[<i>rhabdosporum</i> W. Gams: on <i>Parmelia</i>, also reported from <i>Cladonia</i> = anamorph of <i>Trichonectria rubefaciens</i>]</p> <p>spgazzinii D. Hawksw.: on <i>Leptogium strictum</i> W. Gams: facultative lichenicolous</p> <p>subeffusum (Ellis & Galw.) Etayo & Brackel: on <i>Physcia millegrana</i> and possibly other lichens</p>		<p>persicinum: BCCM; UAMH; CCM; LCP; DSMZ; ITCC; MTCC; IFO; JCM; CBS; KMM; BCRC; IMI; ATCC; ARS (NRRL)</p> <p>rhabdosporum (= anamorph of <i>Trichonectria rubefaciens</i>): CBS; BCRC</p> <p>rhabdosporum: culture obtained by Lowen 1995</p>	<p>310.59): nrLSU: FJ176878; nrSSU: FJ176822; RPB2: FJ238361</p> <p>persicinum: 5SRNA: X00866; X00865; X00864</p>
<i>Atronectria</i>	magellanica Etayo: on <i>Pseudocyphellaria</i> and <i>Nephroma</i>	Etayo & Sancho 2008		
<i>Globonectria</i>	cochensis Etayo: on <i>Lobaria pallida</i>	Etayo 2002a		
<i>Nectriopsis</i>	<p>Nectria brutia Diederich & Puntillo: on <i>Collema</i></p> <p>cariosae Brackel & D. G. Zimmermann: on <i>Cladonia</i></p> <p>cladonicola M. S. Cole & D. Hawksw.: on <i>Cladonia</i></p> <p>coccocarpiae Diederich: on <i>Coccocarpia</i></p> <p>collematis Diederich: on <i>Collema</i></p> <p>guamuesii Etayo: on <i>Sticta</i></p> <p>hirta Etayo: on <i>Pertusaria albescens</i> and <i>P. pertusa</i></p>	<p>Alstrup 1996</p> <p>Aptroot et al. 1997</p> <p>Brackel & Zimmermann 2012</p> <p>Cole & Hawksworth 2001</p> <p>Diederich & Puntillo 1995</p> <p>Earland-Bennett et al. 2006</p> <p>Etayo 2002a</p> <p>Etayo 2010a</p> <p>Etayo & Sancho 2008</p> <p>Matzer 1996</p> <p>Samuels 1988</p> <p>Sérusiaux et al. 1999</p>	<p>lecanodes: ATCC MYA-3179</p> <p>lecanodes: CBS 102482</p>	

	<p>heterodermiae Etayo: on <i>Heterodermia</i> hirta Etayo: on <i>Pertusaria</i> indigens (Arnold) Diederich & Schroers: on perithecioid lichens, often near water lecanodes (Ces.) Diederich & Schroers: on cyanobacterial macrolichens, mainly <i>Lobaria</i>, <i>Peltigera</i> and <i>Pseudocyphellaria</i>, also on <i>Collema</i> and <i>Leptogium</i> leptogii Diederich: on <i>Leptogium</i> lichenophila (Speg.) Etayo: on <i>Heterodermia</i> micareae Diederich, van den Boom & Ernst: on <i>Micarea</i> <i>mindoensis</i> (Petrak) (Petr.) Samuels: facultative lichenicolous on <i>Coenogonium</i> peruvianus Etayo & R. Sant.: on <i>Dictyonema</i> and <i>Coccocarpia</i> physciicola D. Hawksw. & Earl.-Benn.: on <i>Physcia stellaris</i> porinicola Samuels: on foliicolous <i>Porina</i> silvaustralis Etayo: on <i>Pseudocyphellaria</i> tatrensis (Alstrup) Lisická & Alstrup: on <i>Thelidium</i></p>			
<i>Ovicuculispora</i>	<p>macrospora Etayo: on sterile saxicolous crust (Gomphillaceae?) parmeliae (Berk. & Curt.) Etayo: on <i>Erioderma</i>, <i>Graphis</i>, <i>Heterodermia</i>, <i>Parmelia</i>, <i>Pertusaria</i>, <i>Punctelia</i>, <i>Sticta</i></p>	Etayo 2010b	<p>parmeliae: ATCC 200561 parmeliae: ATCC 200825</p>	<p>parmeliae (ATCC 200561): nrSSU: AF289657</p>
<i>Paranectria</i>	<p>affinis (Grev.) Sacc.: on <i>Ephebe pubescens</i> alstrupii Zhurb.: on <i>Psoroma hypnorum</i> oropensis (Rabenh.) D. Hawksw. & Piroz.: on various lichens superba D. Hawksw.: on <i>Peltigera</i></p>	Clauzade et al. 1989 Hawksworth 1982a Rossman et al. 1999 Zhurbenko 2009d	oropensis : CBS 115018	

<p><i>Pronectria</i></p>	<p><i>algicola</i> Vondrák, Naumovich & Khodos,: on terricolous microbial crusts possibly associated with <i>Sarcosagium</i> or <i>Steinia</i> angulospora Etayo: on <i>Heterodermia</i> caloplacae Khodos., Vondrák & Naumovich: on <i>Caloplaca austroclitrina</i> casaresii Etayo: on <i>Evernia prunastri</i> collematis Etayo & Brackel: on <i>Collema</i> dealbans (Müll. Arg.) Etayo & Breuss: on <i>Endocarpon</i> dillmaniae Zhurb.: on <i>Catapyrenium cinereum</i> diplococca Kocourk., Khodos., Naumovich, Vondrák & Motiej.: on <i>Collema</i> echinulata Lowen: on <i>Physcia</i> erythrinella (Nyl.) Lowen: on <i>Peltigera</i> fissuriprodiens Etayo: on <i>Lobaria</i> fragmospora Etayo: on <i>Usnea</i> hymeniicola Etayo: on <i>Collema</i> invisibilis Etayo: on <i>Nephroma antarcticum</i> lecideicola Zhurb.: on <i>Lecidea ramulosa</i> leptogii Etayo: on <i>Leptogium</i> microspora Etayo: on <i>Lobaria pallida</i> minuta Motiej. & Kukwa: on <i>Cladonia</i> subg. <i>Cladina</i> occulta Etayo: on <i>Usnea</i> oligospora Lowen & Rogersen: on <i>Punctelia</i> oligospora var. octospora Etayo: on <i>Punctelia</i> parmotrematis Etayo: on <i>Parmotrema</i> pedemontana Brackel: on <i>Collema auriforme</i></p>	<p>Brackel 2013 Brackel & Etayo 2010 Etayo 1998 Etayo 2001 Etayo 2002a Etayo 2010b Etayo 2010c Etayo & Breuss 1996 Etayo & Diederich 1996b Etayo & Sancho 2008 Etayo & Triebel 2010 Hawksworth 1979a Khodosovtsev 2012 López de Silanes et al. 2009 Lowen 1995 Lowen & Diederich 1990 Lowen & Hawksworth 1986 Motiejunaite & Kukwa 2008 Rossman et al. 1999 Sikaroodi et al. 2001 Zhurbenko 2007b Zhurbenko 2009d Zhurbenko & Alstrup 2004 Zhurbenko et al. 2005</p>	<p>oligospora: Culture RL929-92 obtained by Lowen (1995) robergei: CBS 128021 robergei (as <i>Illosporium carneum</i>): ATCC 201590 santessonii: ATCC 62531 (listed as <i>Nectriella santessonii</i>)</p>	<p>robergei (as <i>Illosporium carneum</i> (ATCC 201590): nrSSU: AF289655</p>
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	<p>pertusariicola Lowen: on <i>Pertusaria</i> pilosa Etayo & López Silanes: on <i>Collema</i> robergei (Mont. & Desm.) Lowen: on <i>Peltigera</i> [anamorph: <i>Illosporium carneum</i> Fr.] rolfiana Etayo: on <i>Solorina</i> roseopunctata Etayo: on <i>Hypotrachyna</i> santessonii (Lowen & D. Hawksw.) Lowen: on <i>Anaptychia runcinata</i> sticticola Etayo: on <i>Sticta</i> subimperspicua (Speg.) Lowen: on <i>Punctelia</i> tenacis (Vouaux) Lowen: on <i>Collema</i> tenuispora (D. Hawksw.) Lowen: on <i>Peltigera</i> terrestris Lowen & Diederich: on <i>Thrombium epigaeum</i> tibellii Zhurb.: on <i>Cladonia</i> tincta (Fuckel) Lowen: on <i>Anaptychia ciliaris</i> rolfiana Etayo: on <i>Solorina</i> toniniae Etayo: on <i>Toninia sedifolia</i> verrucariae (Vouaux) Lowen: on <i>Verrucaria</i> walkerorum Zhurb.: on <i>Ochrolechia</i> xanthoriae Lowen & Diederich: on <i>Xanthoriae</i></p>			
<i>Trichonectria</i>	<p>anisospora (Lowen) van den Boom & Diederich: on <i>Hypogymnia</i> australis Etayo: on <i>Usnea</i> cladoniicola (Alstrup & Svane) Alstrup: on <i>Cladonia</i> furcatosetosa Brackel: on necrosed <i>Melanelixia, Parmelia, Physcia</i> and</p>	<p>Alstrup & Svane 1998 Brackel 2014 Etayo 2001 Etayo 2002a Etayo & Sancho 2008 Etayo & van den Boom 2005 Sérusiaux et al. 1999 Hawksworth 1978b Rossman et al. 1999</p>	<p>rubefaciens (see anamorph <i>Acremonium rhabdosporum</i> under Anamorphic Ascomycota)</p>	

	<p><i>Candelariella</i></p> <p>hirta (A. Bolxam) Petch: on corticolous lichens</p> <p>hypotrachynae Etayo: on <i>Hypotrachyna</i></p> <p>leptogiicola Etayo: on <i>Leptogium</i></p> <p>pertusariae Etayo & van den Boom: on <i>Pertusaria</i></p> <p>rubefaciens (Ellis & Everh.) Diederich & Schroers: on <i>Parmelia</i> s.lat. [anamorph: <i>Acremonium rhabdosporum</i>]</p> <p>setadpressa Etayo: on <i>Lobaria</i></p> <p>usneicola Etayo: on <i>Usnea</i></p>			
Ceratostomataceae				
<i>Sypastospora</i>	cladoniae Etayo: on <i>Cladonia convoluta</i>	Etayo 2008		
Clavicipitaceae				
<i>Neobarya</i>	<p>ciliaris Etayo: on <i>Heterodermia</i></p> <p>darwiniana Etayo: on <i>Nephroma antarcticum</i></p> <p>lichenophila (Ferd. & Winge) Lowen & Samuels: on <i>Cladonia</i></p> <p>peltigerae Lowen, Boqueras & Gomez-Bolea: on <i>Peltigera</i></p> <p>usneae Etayo: on <i>Usnea</i></p>	<p>Candoussau et al. 2007</p> <p>Etayo 2002a</p> <p>Etayo & Sancho 2008</p>		
Nectriaceae				
<i>Fusarium</i>	peltigerae Westend.: on <i>Peltigera</i>	Hawksworth 1979a	F. sp.: ATCC 208869; ARS-NRRL 26803	F. sp. (ATCC 208869): nrLSU: AF228360; nrSSU: AF289654
<i>Xenonectriella</i>	<p>aurantiaca Etayo: on <i>Pseudocyphellaria</i></p> <p>dirinariae Etayo & van den Boom: on <i>Dirinaria</i></p> <p>humilis Etayo: on <i>Pseudocyphellaria</i></p> <p>leptaleae (J. Steiner) Rossman & Lowen: on <i>Physcia</i> and <i>Physconia</i></p>	<p>Brackel 2014</p> <p>Etayo 2002a</p> <p>Etayo & Sancho 2008</p> <p>Etayo & Triebel 2010</p> <p>Etayo & van den Boom 2013</p> <p>Rossman et al. 1999</p> <p>van den Boom & Etayo 2014</p>		

	<p>leptaleoides (Etayo) Etayo: on <i>Leptogium</i> lutescens (Rehm) Weese: on <i>Solorina</i> ornamentata (D. Hawksw.) Rossman: on <i>Peltigera</i> protopannariae (Zhurb.) Brackel: on <i>Protopannaria pezizoides</i> rosea Etayo: on <i>Pannaria</i> septemseptata (Etayo) Etayo & van den Boom: on <i>Melanelixia</i> streimanii (S. Y. Kondr., Coppins & D. J. Galloway) Rossman: on <i>Lobaria</i> and <i>Sticta</i></p>			
Niessliaceae				
<i>Niesslia</i>	<p>cladoniicola D. Hawksw. & W. Gams: on <i>Cladonia</i> [anamorph: <i>Monocillium</i> sp.] echinoides Etayo, Flakus & Kukwa: on <i>Erioderma</i> globospora Etayo: on <i>Dictyonema</i> kununguakii Alstrup & E. S. Hansen: on <i>Arthrorhaphis alpina</i> lobariae Etayo & Diederich: on <i>Lobaria</i> peltigericola (D. Hawksw.) Etayo: on <i>Peltigera</i> pseudocyphellariae Etayo & Diederich: on <i>Pseudocyphellaria</i> robusta Tretiach: on <i>Tephromela grumosa</i> schyzospora Etayo: on <i>Hypotrachyna</i> stictarum (Nannf. & R. Sant.) R. Sant. & Tretiach: on <i>Sticta</i> tatjanae (S. Y. Kondr.) Etayo: on <i>Pseudocyphellaria</i> tetrahedrospora Etayo: on <i>Dichosporidium</i> yaganae Etayo: on <i>Nephroma antarcticum</i></p>	<p>Alstrup & Hansen 2001 Etayo 2000 Etayo 2002a Etayo & Diederich 1996b Etayo & Sancho 2008 Etayo et al. 2013a Hawksworth 1975b Hawksworth 1979a Tretiach 2002</p>	cladoniicola : CBS 960.73	

Hypocreales incertae sedis				
<i>Illosporiosis</i>	christiansenii (B. L. Brady & D. Hawksw.) D. Hawksw.: on various corticolous lichens	Lowen et al. 1986 Sikaroodi et al. 2001	christiansenii : ATCC 201109 christiansenii : Culture (as <i>Hobsonia christiansenii</i>) obtained by Crittenden et al. (1995)	christiansenii (ATCC 201109): nrSSU: AF289656
<i>Roselliniella</i>	africana Diederich: on <i>Usnea</i> atlantica Matzer & Hafellner: on <i>Xanthoparmelia</i> , <i>Hypotrachyna</i> and <i>Platismatia</i> cladoniae (Anzi) Matzer & Hafellner: on <i>Cladonia</i> coccocarpiae (Pat.) Matzer & R. Sant.: on <i>Degelia</i> epiphylla Matzer & Hafellner: on foliicolous <i>Sporopodium</i> eriodermicola Matzer & R. Sant.: on <i>Erioderma tomentosum</i> euparmeliicola Millanes & D. Hawksw.: on <i>Parmelia</i> s. str. heterodeae Matzer & Hafellner: on <i>Heterodea muelleri</i> microthelia (Wallr.) Nik. Hoffm. & Hafellner: on <i>Trapelia</i> nephromatis (Crouan) Matzer & Hafellner: on <i>Nephroma</i> oxyspora Matzer & R. Sant.: on <i>Coccocarpia</i> pannariae Matzer & Hafellner: on <i>Protopannaria pzizoides</i> papuana Diederich: on <i>Usnea</i> peltigericola D. Hawksw. & Miadl.: on <i>Peltigera</i> ramirezii Etayo: on <i>Lobaria</i>	Aptroot et al. 1997 Etayo 2002a Hawksworth & Miadlikowska 1997a Hawksworth et al. 2010 Hoffmann & Hafellner 2000 Matzer & Hafellner 1990 Zhurbenko et al. 2009		atlantica : nrLSU: GQ888763 R. sp. (DLH 2009a): nrLSU: GQ888764

	stereocaulorum Zhurb., Kukwa & Oset: on <i>Stereocaulon</i> stictae Etayo: on <i>Sticta</i>			
<i>Trichothecium</i>	<i>roseum</i> (Pers. ex Fr.) Link ex Fr.: facultative lichenicolous	Hawksworth 1979a		

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	Species (lichenicolous fungi in bold; lichenicolous lichens or facultative lichenicolous fungi in italics)	Significant literature	Cultures (with accession numbers when known; culture collection links)	Sequences (with accession numbers)
ASCOMYCOTA				
Coniochaetales				
Coniochaetaceae				
<i>Coniochaeta</i>	<i>ligniaria</i> (Grev.) Masee: facultative lichenicolous on <i>Diploschistes diacapsis</i>	Etayo 2008		
Sordariales				
Chaetosphaeriaceae				
<i>Melanopsamma</i>	lettauiana (Keissl.) Vouaux: on saxicolous, crustose lichens	Clauzade et al. 1989		
Nitschkiaceae				
<i>Acanthonitschkea</i>	peltigericola (Alstrup & Olech) O. E. Erikss. & R. Sant.: on <i>Peltigera</i>	Alstrup & Olech 1993		
<i>Lasiosphaeriopsis</i>	cephalodiorum (Rostr.) Alstrup: on <i>Placopsis</i> christiansenii Alstrup & D. Hawksw.: on <i>Porpidia tuberculosa</i> [=? <i>L. supersparsa</i>] lecanorae Pérez-Ortega & Halici: on <i>Lecanora polytropa</i> pilophori Zhurb. & Triebel: on <i>Pilophorus</i>	Alstrup et al. 1994 Alstrup & Hawksworth 1990 Eriksson & Santesson 1986 Hawksworth 1980b Pérez-Ortega & Halici 2008 Triebel 1989 Zhurbenko & Triebel 2005		

	<p>salisburyi D. Hawksw. & Sivan.: on <i>Peltigera</i></p> <p>stereocaulicola (Linds.) O. E. Erikss. & R. Sant.: on <i>Stereocaulon</i></p> <p>supersparsa (Zopf) Triebel: on <i>Porpidia</i></p>			
<i>Rhagadostoma</i>	<p>boleae Nav.-Ros. & Hladun: on <i>Lecania</i></p> <p>brevisporum (Nav.-Ros. & Hladun) Nav.-Ros.: on <i>Peltigera</i> and <i>Solorina</i></p> <p>collematum Etayo & Nav.-Ros.: on</p> <p>corrugatum Körb.: on</p> <p>lichenicola (De Not.) Keissl.: on</p> <p>pannariae Etayo: on <i>Pannaria</i></p> <p>rugosum Nav.-Ros. & Hladun: on <i>Verrucaria nigrescens</i></p> <p>verrucariarum Nav.-Ros. & Hladun: on <i>Verrucaria</i></p>	<p>Etayo & Sancho 2008</p> <p>Navarro-Rosinés et al. 1999</p> <p>Navarro-Rosinés & Hladun 1994</p>		
<i>Rhagadostomella</i>	gregaria Etayo: on <i>Sticta</i>	Etayo 2002a		
Sordariales incertae sedis				
<i>Globosphaeria</i>	jamesii D. Hawksw.: on <i>Normandina pulchella</i>	Hawksworth 1990b		
<i>Reconditella</i>	physconiarum Hafellner & Matzer: on <i>Physconia distorta</i> and <i>P. venusta</i>	Matzer & Hafellner 1990		
<i>Roselliniomyces</i>	trichotheliorum Matzer & Hafellner: on foliicolous <i>Trichothelium</i>	Matzer & Hafellner 1990		
<i>Roselliniopsis</i>	<p>gelidaria (Mudd) Matzer: on <i>Placopsis gelida</i></p> <p>groedensis (Zopf) Matzer & Hafellner: on <i>Pertusaria lactea</i></p> <p>palicei Etayo: on <i>Placopsis gelida</i></p> <p>phaeophysciae S. Y. Kondr., L. Lökös & J.-S. Hur: on <i>Phaeophyscia</i></p> <p>tartaricola (Leight.) Matzer: on <i>Ochrolechia tartarea</i>, <i>Pertusaria hemisphaerica</i> and <i>P.</i></p>	<p>Alstrup et al. 1994</p> <p>Etayo 2003</p> <p>Kondratyuk et al. 2013</p> <p>Matzer 1993</p> <p>Matzer & Hafellner 1990</p>		

	<i>pupillaris</i> tropica Matzer & R. Sant.: on ? <i>Ochrolechia</i> ventosa (Rostr.) Alstrup: on <i>Placopsis gelida</i>		
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	Species (lichenicolous fungi in bold; <i>lichenicolous lichens or facultative</i> <i>lichenicolous fungi in italics</i>)	Significant literature	Cultures (with accession numbers when known; culture collection links)	Sequences (with accession numbers)
ASCOMYCOTA				
Families incertae sedis				
Arthrorhaphidaceae				
<i>Arthrorhaphis</i>	aeruginosa R. Sant. & Tønsh.: on <i>Cladonia alpina</i> (Schaer.) R. Sant.: juvenile parasite on <i>Baeomyces rufus</i> , later an independent lichen arctoparmeliae Kocourk. & van den Boom: on <i>Arctoparmelia incurva</i> <i>citrinella</i> (Ach.) Poelt: facultative juvenile parasite on <i>Baeomyces rufus</i> , later or from the beginning an independent lichen <i>grisea</i> Th. Fr.: juvenile parasite on <i>Baeomyces</i> , later an independent lichen muddii Obermayer: on <i>Dibaeis baeomyces</i> olivaceae R. Sant. & Tønsh.: on <i>Melanohalea olivacea</i> <i>vaccillans</i> Th. Fr.: juvenile parasite on <i>Baeomyces</i> , later an independent lichen	Kocourková & van den Boom 2005 Obermayer 1994 Santesson & Tønshberg 1994		citrinella (Ihlen 1372): nrLSU: AY853357 ; mtSSU: AY853309 citrinella (Nordin 4905): nrLSU: AY853356 ; <i>RPBI</i> : DQ915592 ; mtSSU: AY853308 citrinella (Lutzoni 97.06.29 ST2.1): nrLSU: AF279376 ; nrSSU: AF279375
Dactylosporaceae				
<i>Dactylospora</i>	acarospora (H. Magn.) Hafellner: on <i>Acarospora</i>	Alstrup et al. 1994 Alstrup & Hawksworth 1990 Alstrup & Olech 1993	lobariella : CBS 300.80 parasitica : CBS 101579	lobariella (AFTOL-ID 2137, CBS 300.80): nrSSU: FJ176837 ;

aeruginosa Hohlien & Ihlen: on various lichens
allantoidea Alstrup & D. Hawksw.: on *Xanthoparmelia pulla*
amygdalariae Triebel: on *Amygdalaria*
aspiciliicola Alstrup & D. Hawksw.: on *Aspicilia*
athallina (Müll. Arg.) Hafellner: on *Baeomyces rufus*
attendenda (Nyl.) Arnold: on *Amygdalaria*, *Icmadophila*, *Pilophorus* and *Porpidia*
australis Triebel & Hertel: on *Lecidea*, *Paraporpidia*, *Poeltiaria*, *Poeltidea*, *Porpidia*, *Rimularia* and *Tremolecia*
borealis Hohlien & Ihlen: on *Mycoblastus* and other lichens
cladoniicola Alstrup & Olech: on *Cladonia*
dauidii Hafellner & H. Mayrh.: on *Pseudocyphellaria*
deminuta (Th. Fr.) Triebel: on *Amygdalaria*, *Bacidia*, *Biatora*, *Lecanora*, *Lecidea*, *Lopadium*, *Micarea*, *Mycobilimbia*, *Pannaria*, *Protopannaria* and *Rinodina*
dobrowolskii Olech & Alstrup: on *Caloplaca saxicola*
frigida Hafellner: on *Brigantiaea*
glaucomarioides ((Tuck.) Hafellner: on *Ochrolechia*
hafellneriana Sérus.: on *Santessonnia lagunebergii*
homoclinella (Nyl.) Hafellner: on *Lecanora* and *Tephromela*
inquilina (Tuck.) Hafellner: on corticolous *Pertusaria*

Clauzade et al. 1989
Etayo 1991
Etayo 2010c
Etayo & Sancho 2008
Fryday & Coppins 2012
Hafellner 1979
Hafellner 1985b
Hafellner & Mayrhofer 2007
Hafellner et al. 2002
Hawksworth 2003
Ihlen et al. 2004
Kondratyuk & Galloway 1995c
Olech & Alstrup 1996
Sérusiaux & Wessels 1984
Triebel 1989

parasitica: Culture obtained by Crittenden et al. (1995)

nrLSU: [FJ176891](#)

inconspicua Etayo: on *Menegazzia*
lobariella (Nyl.) Hafellner: on *Lobaria*
microspora Etayo: on *Megalaria pulverea*
ophthalmizae Coppins ined.: probably on
Pertusaria ophthalmiza
orygmaea (Nyl.) S. Y. Kondrat. & D. J.
Galloway: on *Pseudocyphellaria berberina*
parasitica (Flörke) Zopf: on *Ochrolechia* and
Pertusaria
parellaria (Nyl.) Arnold: on *Ochrolechia*
parella
pertusariicola (Tuck.) Hafellner: on
saxicolous *Pertusaria*
pleiosperma Triebel: on *Lecanora*
caesiorubella
polyspora Triebel: on *Protoparmelia*
porphyrea Hafellner & Kalb: on *Bacidia*,
Brigantiaea and *Phyllopsora*
protohallina (Anzi) Hafellner: on
Fuscopannaria and *Parmeliella*
purpurascens Triebel: on *Amygdalaria*,
Pilophorus and *Porpidia*
pyrenaica Etayo: over bryophytes, perhaps
associated with *Mycobilimbia pilularis*
rhyparizae Arnold: on *Bryodina rhipariza*
rimulicola (Müll. Arg.) Hafellner: on
Lecanora and ?*Pertusaria*
rinodinicola Alstrup & D. Hawksw.: on
Rinodina turfacea
rostrupii Alstrup: on *Pertusaria dactylina*
saxatilis (Schaer.) Hafellner: on *Ochrolechia*
and *Pertusaria*
saxatilis var. **laureri** Hafellner: on

	<p><i>Pertusaria</i> suburceolata Coppins & Fryday: on a whitish-yellowish muscicolous crustose lichen tegularum (Arnold) Hafellner: on <i>Caloplaca</i> urecolata (Th. Fr.) Arnold: on <i>Protothelenella sphinctrinoides</i></p>			
Melaspileaceae				
<i>Labrocarpon</i>	<p>canariense (D, Hawksw.) Etayo & Pérez-Ortega: on <i>Pertusaria</i></p>	<p>Hawksworth 1982b Pérez-Ortega & Etayo 2010</p>		
<i>Melaspilea</i>	<p>cupularis Müll. Arg.: on <i>Pyrenula</i> diplospora auct., non (Nyl.) Müll. Arg.: on <i>Graphis elegans</i> epigena Müll. Arg.: on <i>Reimnitzia santensis</i> epigraphella (Nyl.) Müll. Arg.: on <i>Acanthohecis consocians</i> galligena Zhurb. & I. Zhdanov.: on <i>Pertusaria</i> leciographoides Vouaux: on <i>Verrucaria</i> lekae Brackel & Kalb: on <i>Sarcographa</i> lentiginosa (Leight.) Müll. Arg.: on <i>Phaeographis dendritica</i> tribuloides (Tuck.) Müll. Arg. [= <i>Encephalographa anthracothecii</i> Diederich]: on <i>Anthracothecium</i> and <i>Pyrenula</i> tucumana Flakus, Etayo & Kukwa: on <i>Pertusaria</i></p>	<p>Clauzade et al. 1989 Flakus et al. 2014 Kalb et al. 2012 Zhurbenko & Zhdanov 2013</p>		
Microcaliciaceae				
<i>Microcalicium</i>	<p>arenarium (A. Massal.) Tibell: on <i>Psilolechia</i> conversum Tibell: on <i>Calicium</i> and <i>Chaenotheca</i> disseminatum (Ach.) Vain.: on <i>Calicium</i></p>	<p>Clauzade et al. 1989 Hawksworth 1981 Tibell 1978</p>		

	and <i>Chaenotheca</i>			
Myxotrichaceae				
<i>Myxotrichum</i>	bicolor (Ehrenb.) Fr.: on <i>Usnea</i>	Hawksworth 1979a		
Obryzaceae				
<i>Obryzum</i>	corniculatum (Hoffm.) Wallr.: on <i>Leptogium</i> friesii (Keissl.) Nik. Hoffm. & Hafellner: on <i>Leptogium</i> striguloides Aptroot & Sipman: on <i>Agonimia vouauxii</i>	Aptroot & Sipman 2001 Hoffmann & Hafellner 2000		
Protothelenellaceae				
<i>Protothelenella</i>	pseudocyphellariae Etayo: on <i>Pseudocyphellaria</i> santessonii H. Mayrh.: on <i>Cladonia</i>	Etayo & Sancho 2008 Mayrhofer 1987		
Strigulaceae				
<i>Strigula</i>	dichosporidii Etayo: on <i>Dichosporidium</i>	Etayo 2002		
Thelocarpaceae				
<i>Thelocarpon</i>	cyaneum Olech & Alstrup: on ' <i>Polyblastia</i> cf. <i>gothica</i> ' <i>epibolum</i> Nyl.: facultative lichenicolous on <i>Baeomyces</i> , <i>Lichenomphalia hudsoniana</i> , <i>Peltigera</i> and <i>Solorina</i> <i>epibolum</i> var. <i>epithallinum</i> (Leight.) G. Salisb.: facultative lichenicolous on <i>Baeomyces</i> , <i>Catapyrenium</i> , <i>Peltigera</i> and <i>Solorina</i> <i>lichenicola</i> (Fuckel) Poelt & Hafellner: facultative lichenicolous on <i>Baeomyces</i> , <i>Peltigera</i> and <i>Solorina</i>	Olech & Alstrup 1990 Rambold & Triebel 1992		
Xanthopyreniaceae				
<i>Collemopsidium</i>	cephalodiorum (Triebel & Grube) Grube: on <i>Pilophorus cephalodiorum</i>	Grube 2005		

<i>Didymellopsis</i>	<p>collematum (J. Steiner) Grube & Hafellner: on <i>Collema</i></p> <p>latitans (Nyl.) Clem. & Shear: on <i>Gonohymenia</i> and <i>Lempholemma</i></p> <p>perigena (Nyl.) Grube & Hafellner: on <i>Placidium squamulosum</i></p> <p>pulposi (Zopf) Grube & Hafellner: on <i>Collema</i> and <i>Leptogium</i></p>	Grube & Hafellner 1990		
<i>Zwackhiomyces</i>	<p>argentina (Räsänen) D. Hawksw. & V. Atienza: on <i>Acarospora</i></p> <p>aspiciliae Halici & Candan: on <i>Aspicilia</i></p> <p>berengerianus (Arnold) Grube & Triebel: on <i>Lecidea berengeriana</i></p> <p>calcariae (Flagey) Hafellner & Nik. Hoffm.: on <i>Aspicilia</i></p> <p>cervinae Calat., Triebel & Pérez-Ortega: on <i>Acarospora</i></p> <p>cladoniae (C. W. Dodge) Diederich: on <i>Cladonia</i></p> <p>coepulonus (Norman) Grube & R. Sant.: on <i>Caloplaca</i> and <i>Xanthoria elegans</i></p> <p>diederichii D. Hawksw. & Iturr.: on <i>Cladonia</i></p> <p>dispersus (Körb.) Triebel & Grube: on <i>Protoblastenia rupestris</i></p> <p>echinulatus Brackel: on <i>Physconia</i></p> <p>euplocinus Hafellner, Grube & Egan: on <i>Speerschneidera euploca</i></p> <p>heppiae van den Boom: on <i>Heppia arenacea</i></p> <p>inconspicuus Grube & Hafellner: on <i>Lecanora dispersa</i></p> <p>kantvilasii S. Y. Kondr.: on <i>Parmotrema</i></p> <p>kiskianus D. Hawksw. & Miadl.: on <i>Peltigera</i></p>	<p>Alstrup 1993a</p> <p>Alstrup & Olech 1993</p> <p>Aptroot et al. 1997</p> <p>Etayo 2010b</p> <p>Grube & Hafellner 1990</p> <p>Harris 1995</p> <p>Hawksworth & Atienza 1994</p> <p>Hawksworth & Miadlikowska 1997a</p> <p>Hoffmann & Hafellner 2000</p> <p>Kocakaya et al. 2011</p> <p>Kondratyuk 1996b</p> <p>Miadlikowska & Alstrup 1995</p> <p>Orange 2002</p> <p>van den Boom 2010</p> <p>van den Boom & Etayo 2014</p>		

	<p>lacustris (Arnold) Orange: on <i>Ionaspis lacustris</i></p> <p>lecanorae (Stein) Nik. Hoffm. & Hafellner: on <i>Lecanora</i></p> <p>lithoiceae (B. de Lesd.) Hafellner & V. John: on <i>Verrucaria</i></p> <p>macrosporus Alstrup & Olech: on <i>Protopannaria</i></p> <p>martinatianus (Arnold) Triebel & Grube: on <i>Porpidia</i></p> <p>melanohaleae Etayo & van den Boom: on <i>Melanohalea exasperata</i></p> <p>namibiensis Diederich & M. Schultz: on <i>Psorotichia</i></p> <p>peltigerae Miadl. & Alstrup: on <i>Peltigera</i></p> <p>physciicola Alstrup: on <i>Physcia caesia</i></p> <p>rolfii (Etayo) Etayo: on <i>Candelina</i></p> <p>sipmanii Diederich & Zhurb.: on <i>Phaeorrhiza sareptana</i></p> <p>socialis (Körb.) Cl. Roux: on <i>Clauzadea</i>, perhaps also on <i>Bacidia bagliettoana</i></p> <p>solenopsorae van den Boom: on <i>Solenopsora holophaea</i></p> <p>sphinctriniformis Grube & Hafellner: on <i>Romjularia lurida</i></p> <p>sphinctrinoides (Zwackh) Grube & Hafellner: on <i>Lecanora campestris</i></p> <p>turcicus Kocakaya, Halıcı & Aksoy: on <i>Physcia magnussonii</i></p>			
Genera incertae sedis				
<i>Epigloea</i>	urosperma Döbbeler: on <i>Placynthiella</i>	Döbbeler 1994		
<i>Gyrophthorus</i>	crustulosae (Creveld) Hafellner & Sancho: on <i>Umbilicaria</i>	Hafellner & Sancho 1990 Hoffman & Hafellner 2000		

	gracilis Nik. Hoffm. & Hafellner: on <i>Umbilicaria</i> perforans Hafellner & Sancho: on <i>Umbilicaria</i>			
<i>Hymenobia</i>	insidiosa Nyl.: on <i>Lecidea</i>	Eriksson & Hawksworth 1991 Triebel 1989 (as <i>Hymenobiella aporea</i>)		
<i>Hypotrachynicola</i>	rubra Etayo: on <i>Hypotrachyna</i>	Etayo 2002		
<i>Neolamya</i>	peltigerae (Mont.) Theiss. & Syd.: on <i>Peltigera</i> (mainly <i>P. didactyla</i>) xanthoparmeliae Kocourk.: on <i>Xanthoparmelia conspersa</i>	Keissler 1930 Kocourková 2009		
<i>Pleosphaeria</i>	lichenothricis Henssen: on <i>Lichenothrix ridlei</i>	Henssen 1964		
<i>Rhynchomeliola</i>	lichenicola Henssen & Kantvilas: on <i>Wawea</i>	Henssen & Kantvilas 1985		
<i>Sarcoexcipula</i>	pannariae Etayo: on <i>Pannaria pallida</i>	Etayo & Sancho 2008		
<i>Sphaeria</i>	sociella Nyl.: on <i>Trapelia coarctata</i>	Triebel 1989		
<i>Stellifraga</i>	cladoniicola Alstrup & Olech: on <i>Cladonia</i>	Alstrup & Olech 1993		
<i>Viridiannula</i> <i>Zwackhiomacromyces</i>	pertusariae Etayo: on <i>Pertusaria pertusa</i> constrictocarpus Etayo & van den Boom: on <i>Megalospora verrucosa</i>	Etayo 2002b van den Boom & Etayo 2014		

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	Species (lichenicolous fungi in bold; lichenicolous lichens or facultative lichenicolous fungi in italics)	Significant literature	Cultures (with accession numbers when known; culture collection links)	Sequences (with accession numbers)
ASCOMYCOTA				
Anamorphic Ascomycota				
<i>Acaroconium</i>	punctiforme Kocourk. & D. Hawksw.: on <i>Acarospora</i> and <i>Sarcogyne</i>	Kocourková & Hawksworth 2008		

<i>Acarosporium</i>	lichenicola Ihlen & Tønsberg: on <i>Icmadophila</i>	Ihlen 1998		
<i>Acremonium</i>	[see under Hypocreales]			
<i>Ameroconium</i>	cladoniae U. Braun & Zhurb.: on <i>Cladonia</i>	Zhurbenko & Braun 2013		
<i>Ampullifera</i>	[see under <i>Teratoschaeta</i>]			
<i>Arborillus</i>	lilimonae Munt.-Cvet. & Gómez-Bolea: on <i>Diploschistes</i>	Muntañola-Cvetkovic & Gómez-Bolea 1998		
<i>Ascochyta</i>	[see under Pleosporales]			
<i>Asteroglobulus</i>	giselae Brackel: on <i>Ramalina farinacea</i>	Brackel 2011a		
<i>Asterophoma</i>	mazaediicola D. Hawksw.: on <i>Calicium</i>	Hawksworth 1981 Tibell 1991a		
<i>Bachmanniomyces</i>	pseudocyphellariae Etayo: on <i>Pseudocyphellaria</i> santessonii Etayo: on <i>Sticta</i> uncialicola (Zopf) D. Hawksw.: on <i>Cladonia</i>	Etayo 2010b Etayo & Sancho 2008 Hawksworth 1981		
<i>Berkleasmium</i>	[see under Pleosporales]			
<i>Briancoppinsia</i>	[see under Arthoniales]			
<i>Calongeomyces</i>	gibelluloides (D. Hawksw. & Etayo) D. Hawksw. & Etayo: on <i>Cladonia</i> and <i>Flavoparmelia caperata</i>	Hawksworth & Etayo 2010 Hawksworth & Etayo 2011		
<i>Carnegieispora</i>	rimeliae Etayo & F. Berger: on <i>Parmotrema</i>	Etayo & Berger 2009		
<i>Cecidiomyces</i>	santessonii U. Braun & Zhurb.: on <i>Stereocaulon</i>	Zhurbenko & Braun 2012		
<i>Cephalosporiopsis</i>	epiparasitaster Alstrup: on <i>Chaenothecopsis parasitaster</i>	Alstrup 1997		
<i>Chalara</i>	[see under Dothideomycetes incertae sedis]			
<i>Choreospora</i>	tibellii Constant. & R. Sant.: on foliicolous <i>?Echinoplaca</i>	Constantinescu & Santesson 1987		
<i>Cladoniicola</i>	irregularis Etayo: on <i>Diploschistes diacapsis</i> staurospora Diederich, van den Boom & Aptroot: on <i>Cladonia</i>	Diederich et al. 2002 ('2001') Etayo 2010c		

<i>Cladophialophora</i>	[see under Chaetothyriales]			
<i>Cladosporium</i>	[see under Capnodiales]			
<i>Clauzadeomyces</i>	verrucosus Diederich: on <i>Placopsis</i>	Diederich 1994		
<i>Codonmyces</i>	lecanorae Calat. & Etayo: on <i>Lecanora valesiaca</i>	Calatayud & Etayo 1999a		
<i>Coniambigua</i>	phaeographidis Etayo & Diederich: on <i>Phaeographis</i>	Etayo & Diederich 1995		
<i>Cornutispora</i>	ciliata Kalb: on various lichens herteliana Knoph: on <i>Lecidella</i> intermedia Punith. & D. Hawksw.: on <i>Ochrolechia</i> lichenicola D. Hawksw. & B. Sutton: on various lichens pittii D. Hawksw. & Punith.: on <i>Hypotrachyna</i> pyramidalis Etayo: on <i>Hypotrachyna</i> and <i>Parmotrema</i> triangularis Diederich & Etayo: on <i>Pertusaria pertusa</i>	Etayo 2010a Etayo & Diederich 1995 Gierl & Kalb 1993 Hawksworth 1976 Hawksworth 1981 Knoph 2004 Punithalingam 2003 Sutton 1980	ciliata : CBS 111093	
<i>Corynespora</i>	laevistipitata (M. S. Cole & D. Hawksw.) Heuchert & U. Braun: on <i>Pertusaria ophthalmiza</i>	Heuchert & Braun 2006		
<i>Deichmannia</i>	verrucosa Alstrup & D. Hawksw.: on <i>Diploschistes</i>	Alstrup & Hawksworth 1990		
<i>Dictyophrynella</i>	bigoniacearum Bat. & Caval.: on foliicolous lichens	Hawksworth 1979a		
<i>Diederichia</i>	pseudeverniae (Etayo & Diederich) D. Hawksw.: on <i>Pseudevernia</i>	Etayo & Diederich 1996a Hawksworth 2003		
<i>Dinemasporium</i>	<i>strigosum</i> (Fr.) Sacc.: facultative lichenicolous on <i>Peltigera</i>	Miadlikowska & Alstrup 1995	strigosum : CBS (4 records); MUCL; VKM; UPSC; IMI; ARS (NRRL)	
<i>Diplolaeviopsis</i>	[see under Helotiales]			
<i>Ellisembia</i>	[see under Pleosporales]			

<i>Endophragmiella</i>	franconica Brackel & Markovskaja: on <i>Platismatia glauca</i> and <i>Hypogymnia physodes</i> hughesii D. Hawksw.: on <i>Lobaria pulmonaria</i>	Brackel & Markovskaja 2009 Hawksworth 1979a		
<i>Epaphroconidia</i>	hawksworthii Calat. & V. Atienza: on <i>Pertusaria pertusa</i>	Calatayud & Atienza 1995		
<i>Epicladonia</i>	lapponica Ihlen: on <i>Pleopsidium chlorophanum</i> sandstedei (Zopf) D. Hawksw.: on <i>Cladonia simplex</i> D. Hawksw.: on <i>Cladonia stenospora</i> (Harmand) D. Hawksw.: on <i>Cladonia</i>	Hawksworth 1981 Ihlen & Wedin 2005		
<i>Epicoccum</i>	[see under Pleosporales]			
<i>Epinephroma</i>	kamchatica Zhurb. & Stepanchikova: on <i>Nephroma</i>	Zhurbenko et al. 2012		
<i>Epithamnolia</i>	karatyginii Zhurb.: on <i>Thamnolia</i>	Zhurbenko 2012		
<i>Everniicola</i>	flexispora D. Hawksw.: on <i>Evernia</i> and <i>Nephroma arcticum</i>	Hawksworth 1982a		
<i>Feltgeniomyces</i>	dichotomus Etayo & Calat.: on <i>Physcia luxemburgensis</i> Diederich: on <i>Lecidella physciae</i> Etayo & Breuss: on <i>Physcia uniseptatus</i> Diederich: on <i>Hypotrachyna</i>	Aptroot et al. 1997 Calatayud & Etayo 2001 Diederich 1990 Etayo & Breuss 1998		
<i>Fenestroconidia</i>	caloplacae Calat. & Etayo: on <i>Caloplaca</i>	Calatayud & Etayo 1999b		
<i>Fusarium</i>	[see under Hypocreales]			
<i>Fusicladium</i>	[see under Dothideomycetes incertae sedis]			
<i>Gliocephalis</i>	pulchella (Penz. & Sacc.) D. Hawksw.: on <i>Sticta</i>	Hawksworth 1979a		
<i>Graphium</i>	aphthosae Alstrup & D. Hawksw.: on <i>Peltigera samogiticum</i> Motiej. & Alstrup: over <i>Sarcosagium</i> and <i>Verrucaria</i> , possibly algicolous	Alstrup & Hawksworth 1990 Motiejūnaitė & Alstrup 2006		

<i>Hainesia</i>	<p>aeruginascens Brackel: on <i>Platismatia</i> and <i>Hypogymnia</i></p> <p>brevicladoniae Diederich & van den Boom: on <i>Cladonia</i></p> <p>bryonorae Zhurb.: on <i>Bryonora</i></p> <p>lecanorae Brackel: on <i>Lecanora</i></p> <p>longicladoniae Diederich & van den Boom: on <i>Cladonia</i></p> <p>peltigerae Zhurb.: on <i>Peltigera</i></p> <p>pertusariae Etayo & Diederich: on <i>Pertusaria</i></p> <p>xanthoriae Brackel: on <i>Xanthoria</i></p>	<p>Brackel 2009 Brackel 2014 Diederich & van den Boom 2013 Etayo & Diederich 1996a Zhurbenko 2013b Zhurbenko & Brackel 2013</p>		
<i>Hansfordiellopsis</i>	[see under <i>Koordersiella</i> (Dothideomycetes incertae sedis)]			
<i>Hawksworthiana</i>	peltigericola (D. Hawksw.) U. Braun: on <i>Peltigera</i>	Braun 1988 Hawksworth 1980a		
<i>Helicobolomyces</i>	[see under <i>Arthonia cinnabarinula</i>]			
<i>Hobsoniopsis</i>	[see under Dothideomycetes incertae sedis]			
<i>Illosporium</i>	[see under <i>Pronectria</i> (Hypocreales)]			
<i>Illosporiopsis</i>	[see under Hypocreales]			
<i>Intralichen</i>	<p>baccisporus D. Hawksw. & M. S. Cole: on <i>Caloplaca</i> and other lichens</p> <p>christiansenii (D. Hawksw.) D. Hawksw. & M. S. Cole: on <i>Candelariella</i> and other lichens</p> <p>lichenicola (M. S. Christ. & D. Hawksw.) D. Hawksw. & M. S. Cole: on <i>Candelariella</i> and other lichens</p> <p>lichenum (Diederich) D: Hawksw. & M. S. Cole: on various lichens</p>	<p>Diederich 1990 Hawksworth 1979a Hawksworth & Cole 2002</p>	<p>christiansenii: Cultures (as <i>Bispora christiansenii</i>) obtained by Hawksworth (1979) and Crittenden et al. (1995)</p>	<p>christiansenii (as <i>Bispora christiansenii</i>, IMI 227584): nrSSU: AM279680</p>
<i>Isthmoconidium</i>	bacidiicola Etayo & F. Berger: on <i>Bacidia</i>	Etayo & Berger 2013		
<i>Kalchbrenneriella</i>	cyanescens (Kalchbr.) Diederich & M. S.	Diederich 2002		

	Christ.: on <i>Usnea</i>			
<i>Karsteniomyces</i>	[see under <i>Scutula</i> (Lecanorales)]			
<i>Keissleriomyces</i>	sandstedeanus (Keissler) D. Hawksw.: on <i>Cladonia furcata</i>	Hawksworth 1981		
<i>Laeviomycetes</i>	pertusariicola (Nyl.) Diederich: on <i>Pertusaria</i>	Hawksworth 1979a Zhurbenko & Otte 2012		
<i>Lambinonia</i>	strigulae (Elenkin & Woron.) Sérus. & Diederich: on foliicolous <i>Strigula</i>	Sérusiaux & Diederich 2005		
<i>Lawalreea</i>	lecanorae Diederich: on <i>Lecanora persimilis</i>	Diederich 1990		
<i>Leightoniomyces</i>	canariensis Etayo & Pérez-Vargas: on crustose saxicolous lichens phillipsii (Berk. & Leight.) D. Hawksw. & B. Sutton: on <i>Steinia geophana</i> and <i>Thrombium epigaeum</i> , possibly algicolous	Hawksworth 1977a Hawksworth 1979a Pérez-Vargas et al. 2013		
<i>Libertiella</i>	[see under <i>Scutula</i> (Lecanorales)]			
<i>Lichenobactridium</i>	pertusariae Diederich & Etayo: on <i>Pertusaria pertusa</i>	Etayo & Diederich 1995		
<i>Lichenocodium</i>	[see under Lichenocodiales]			
<i>Lichenodiplis</i>	anomala [as anomalus] Etayo & Pérez-Vargas: on <i>Ochrolechia</i> crespoae Pérez-Ortega & V. Atienza: on <i>Cyphelium notarisii</i> dendrographae Diederich & van den Boom: on <i>Dendrographa</i> fallaciosa (Hafellner & Kalb) Diederich: on <i>Buellia</i> hawksworthii F. Berger & Diederich: on <i>Pertusaria</i> lecanorae (Vouaux) Dyko & D. Hawksw.: on <i>Caloplaca</i> , <i>Lecanora</i> and other crustose lichens lecanoricola (M. S. Cole & D. Hawksw.) Diederich: on <i>Lecanora</i>	Berger & Diederich 1996 Diederich 2003 Cole & Hawksworth 2001 Hawksworth 1981 Hawksworth & Dyko 1979 Kalb 1990 Knudsen & Kocourková 2009 Kondratyuk 1996a Pérez-Vargas et al. 2013		

	<p>lichenicola Dyko & D. Hawksw.: on <i>Rinodina</i></p> <p>opegraphae (D. Hawksw.) Diederich: on <i>Opegrapha</i></p> <p>poeltii S. Y. Kondr. & D. Hawksw.: on <i>Xanthoria parietina</i></p> <p>rinodinicola Kocourk. & K. Knudsen: on <i>Rinodina</i></p>			
<i>Lichenodiplisiella</i>	<p>makarevichiae S. Y. Kondr. & Kudratov: on <i>Teloschistes brevior</i></p>	Kondratyuk et al. 2002		
<i>Lichenohendersonia</i>	<p>squamarinae Calat. & Etayo: on <i>Squamarina</i></p> <p>uniseptata Etayo & Calatayud: on <i>Parmelina</i></p> <p>varians Calat. & Etayo: on <i>Rhizoplaca</i></p>	Calatayud & Etayo 2001		
<i>Lichenophoma</i>	<p>haematommatis Keissler: on <i>Haematomma</i></p>	Hawksworth 1981		
<i>Lichenopuccinia</i>	<p>poeltii D. Hawksw. & Hafellner: on <i>Parmelia</i></p>	Hawksworth 1984		
<i>Lichenostella</i>	<p>hypotrachynae Etayo & Calatayud: on <i>Hypotrachyna</i></p>	Calatayud & Etayo 1999a		
<i>Lichenosticta</i>	<p>alcicorniaria (Lindsay) D. Hawksw.: on <i>Cladonia</i></p> <p>jurgae Kukwa & Flakus: on <i>Lecanora</i></p>	Flakus & Kukwa 2012 Hawksworth 1981		
<i>Microsphaeropsis</i>	[see under Pleosporales]			
<i>Milospium</i>	<p>deslooveri Diederich & Sérus.: probably not lichenicolous, but lichenized</p> <p>graphideorum (Nyl.) D. Hawksw.: lichenicolous on lichens with <i>Trentepohlia</i>, sometimes an independent lichen</p> <p>lacoizquetae Etayo & Diederich: on <i>Cladonia parasitica</i></p> <p>planorbis Aptroot & Sipman: probably not lichenicolous, but lichenized</p>	Aptroot & Sipman 2001 Etayo & Diederich 1996a Hawksworth 1975a Hawksworth 1979a Sérusiaux et al. 1999		
<i>Minutoexcipula</i>	<p>beaglei Etayo: on <i>Lecanora</i></p>	Atienza 2002 Atienza & Hawksworth 1994		

	calatayudii V. Atienza: on <i>Hypogymnia mariana</i> mariana V. Atienza: on <i>Pertusaria tephromelae</i> tephromelae V. Atienza, Etayo & Pérez-Ortega: on <i>Tephromela tuckerae</i> tuckerae V. Atienza & D. Hawksw.: on corticolous <i>Pertusaria tuerkii</i> tuerkii Hafellner: on <i>Pertusaria glomerata</i>	Atienza et al. 2009 Etayo & Sancho 2008 Hafellner 1994a		
<i>Minutophoma</i>	chrysophthalmae D. Hawksw.: on <i>Chrysothrix chrysophthalmae</i>	Hawksworth 1981		
<i>Mixtoconidium</i>	canariense Etayo: on <i>Ramalina</i>	Etayo 1995a		
<i>Monocillium</i>	[see under <i>Niesslia</i>]	Hawksworth 1979		
<i>Monodictys</i>	[see under Dothideomycetes incertae sedis]			
<i>Nigromacula</i>	uniseptata (D. Hawksw.) D. Hawksw.: on <i>Hypotrachyna</i>	Etayo 2002		
<i>Nigropuncta</i>	groenlandica Alstrup: on crustose lichen rugulosa D. Hawksw.: on <i>Bellemerea</i>	Alstrup 1993a Hawksworth 1981 Hawksworth & Poelt 1986		
<i>Patriciomyces</i>	valentinianus D. Hawksw.: on <i>Physcia</i>	Cole & Hawksworth 2001		
<i>Phaeoseptoria</i>	peltigerae Punith. & Spooner: on <i>Peltigera horizontalis</i>	Punithalingam & Spooner 1997		
<i>Phaeosporobolus</i>	[see under Lichenostigmatales]			
<i>Phoma</i>	aggregata Calat. & Etayo: on <i>Diploschistes ocellatus</i> caloplacae D. Hawksw.: on <i>Caloplaca cerina</i> cladoniicola Diederich, Kocourk. & Etayo: on <i>Cladonia</i> , <i>Flavoparmelia</i> , <i>Parmelina</i> , <i>Ramalina</i> and <i>Squamarina</i> denigricans Hafellner: on <i>Lecanora epibryon</i> dubia (Linds.) Sacc. & A. Trotter: on <i>Usnea</i> epiphyscia Vouaux: on <i>Phaeophyscia</i> everniae D. Hawksw.: on <i>Evernia prunastri</i> ficuzzae Brackel: on <i>Ramalina</i>	Alstrup 1997 Brackel 2008 Brackel 2011a Calatayud & Etayo 2001 Diederich 1986 Diederich et al. 2007 Earland-Bennett et al. 2006 Etayo & Diederich 1995 Etayo & Osorio (2004) Etayo & Sancho 2008 Hafellner 1994a Hafellner & Wieser 2000 Halici et al. 2014 Hawksworth 1980b	caloplacae : CBS 129140 caloplacae : CBS 129338 cladoniicola : CBS 128026 cladoniicola : CBS 128027 cladoniicola : CBS 131731 cladoniicola : CBS 131732 cladoniicola : CBS 131733 cladoniicola : CBS 128023 cladoniicola : CBS 128025 ficuzzae : CBS 128019 foliaceiphila : CBS 129141	caloplacae (CBS 129140): ITS: JQ238635; nrLSU: JQ238637; mtSSU: JQ238636 caloplacae (CBS 129338): ITS: JQ238641; nrLSU: JQ238643; mtSSU: JQ238642 cladoniicola (CBS 128026): ITS: JQ238626; nrLSU: JQ238628; mtSSU: JQ238627

fistulata Etayo & Osorio: on *Concamerella fistulata*

foliaceiphila Diederich, Kocourk. & Etayo: on *Cladonia* and *Parmelia*

fuliginosa M. S. Cole & D. Hawksw.: on *Caloplaca trachyphylla*

grumantiana Zhurb. & Diederich: on *Cladonia*

heterodermiae S. Y. Kondr., L. Lökös & J.-S. Hur: on *Heterodermia*

lecanorina Diederich: on *Lecanora expallens*

lobariae Diederich & Etayo: on *Lobaria pulmonaria*

[*lobariicola* Alstrup: on *Lobaria scrobiculata* is probably an anamorph of *Catillaria lobariicola*]

maculiformans Ihlen: on *Dibaeis baeomyces*

melanelixiae Brackel: on *Melanelixia glabra*

melanohaleicola D. Hawksw. & Earl.-Benn.: on *Melanohalea exasperata*

peltigerae (P. Karst.) D. Hawksw.: on *Peltigera*

physciicola Keissl.: on *Physcia* and *Physconia*

pisutii S. Y. Kondr., A. Lackovičová, E. Lisická & A. Guttová: on *Xanthomendoza ulophyllodes*

psoromatis Zhurb. & U. Braun: on *Psoroma*

receptii Halici & Candan: on *Caloplaca* gr. *cerina*

rozziana Etayo: on *Pseudocyphellaria*

thamnohae Zhurb. *ad int.*: on *Thamnohae*

Hawksworth 1981
Hawksworth 1994
Hawksworth & Cole 2004
Ihlen 1998
Kondratyuk et al. 2013
Lawrey et al. 2012
Martínez & Hafellner 1998
Oksner 2010
Zhurbenko 2012
Zhurbenko & Braun 2013

foliaceiphila: CBS 131728
foliaceiphila: CBS 131730
foliaceiphila: CBS 131729
xanthomendozae: CBS
129666 TYPE CULTURE

cladoniicola (CBS 128027):
ITS: JQ238629; nrLSU:
JQ238631; mtSSU:
JQ238630

cladoniicola (FL5): ITS:
JQ318014; nrLSU:
JQ318016; mtSSU:
JQ318015

cladoniicola (FL10; CBS
131731): ITS: JQ318017;
nrLSU: JQ318019; mtSSU:
JQ318018

cladoniicola (FL11; CBS
131732): ITS: JQ318020;
nrLSU: JQ318022; mtSSU:
JQ318021

cladoniicola (FL13; CBS
131733): ITS: JQ318023;
nrLSU: JQ318025; mtSSU:
JQ318024

cladoniicola (FL14): ITS:
JQ318026; nrLSU:
JQ318028; mtSSU:
JQ318027

cladoniicola (CBS 128023):
ITS: JQ238620; nrLSU:
JQ238622; mtSSU:
JQ238621

cladoniicola (CBS 128025):
ITS: JQ238623; nrLSU:
JQ238625; mtSSU:
JQ238624

ficuzzae (CBS 128019): ITS:
JQ238614; nrLSU:
JQ238616; mtSSU:
JQ238615

	xanthomendozae Diederich & Freebury: on <i>Xanthomendoza</i>			foliaceiphila (CBS 129141): ITS: JQ238638; nrLSU: JQ238640; mtSSU: JQ238639 foliaceiphila (FL1; CBS 131728): ITS: JQ318002; nrLSU: JQ318004; mtSSU: JQ318003 foliaceiphila (FL2; CBS 131730): ITS: JQ318005; nrLSU: JQ318007; mtSSU: JQ318006 foliaceiphila (FL3; CBS 131729): ITS: JQ318008; nrLSU: JQ318010; mtSSU: JQ318009 foliaceiphila (FL12): ITS: JQ318011; nrLSU: JQ318013; mtSSU: JQ318012 xanthomendozae (CBS 129666 TYPE CULTURE): ITS: JQ238632; nrLSU: JQ238634; mtSSU: JQ238633
<i>Phyllosticta</i> s. lat.	galligena F. Moreau: on <i>Parmotrema</i>	Moreau 1951		
<i>Psammia</i>	inflata Earl.-Benn. & D. Hawksw.: on <i>Lepraria</i> and corticolous algae simplex Earl.-Benn. & D. Hawksw.: on various corticolous lichens and algae stipitata D. Hawksw.: on various corticolous lichens and algae	Earland-Bennett & Hawksworth 1999a Hawksworth 1979a		
<i>Pseudocercospora</i>	[see under Capnodiales]			
<i>Pseudorobillarda</i>	[see under Dothideomycetes incertae sedis]			
<i>Pseudoseptoria</i>	[see under Dothideales]			

<i>Pseudospiropes</i>	<i>longipilus</i> (Corda) Hol.-Jech.: facultative lichenicolous on <i>Lepraria</i>	Braun et al. 2008		
<i>Pycnopsamma</i>	lobariae Diederich & Etayo: on <i>Lobaria pulmonaria</i>	Etayo & Diederich 1995		
<i>Pyrenochaeta</i>	[see under Pleosporales]			
<i>Pyrenochaetopsis</i>	[see under Pleosporales]			
<i>Ramichloridium</i>	[see under Capnodiales]			
<i>Refractohilum</i>	achromaticum (B. Sutton) D. Hawksw.: on <i>Pachyphiale</i> galligenum D. Hawksw.: on <i>Nephroma laevigatum</i> intermedium Cl. Roux & Etayo: on <i>Pachyphiale</i> peltigerae (Keissl.) D. Hawksw.: on <i>Peltigera pluriseptatum</i> Etayo & Cl. Roux: on <i>Pachyphiale</i> , possibly also on <i>Nephroma antarcticum</i>	Etayo & Sancho 2008 Hawksworth 1977a Hawksworth 1979a Roux et al. 1997		
<i>Rhabdospora</i>	[see under Dothideomycetes incertae sedis]			
<i>Sclerococcum</i>	acarosporae S. Y. Kondr.: on <i>Acarospora areolatum</i> Etayo: probably on <i>Xylographa cladoniae</i> Diederich: on <i>Cladonia epiphytorum</i> Diederich: on <i>Pertusaria hemisphaerica</i> gelidarium Etayo & F. Berger: on <i>Placopsis griseosporodochium</i> Etayo: probably not lichenicolous, but lichenized hawksworthii Etayo & Diederich: on <i>Megalospora tuberculosa</i> leuckertii Diederich & P. Scholz: on <i>Buellia aethalea</i> montagnei Hafellner: on <i>Lecanora rupicola</i> normandinae Diederich & Etayo: on	Alstrup 1993a Berger 2000 Boqueras & Diederich 1993 Diederich 1990 Diederich & Scholz 1995 Diederich et al. 2013 Etayo 1995b Etayo & Calatayud 1998 Etayo & Sancho 2008 Hafellner 1996b Hawksworth 1975a Hawksworth 1979a Konratyuk & Zelenko 2002	sphaerale : UAMH 4571; IMI 247000 sphaerale : Culture obtained by Hawksworth and Jones (1981)	sphaerale (Diederich 17279): nrLSU: JX081672 sphaerale (Diederich 17283): nrLSU: JX081673 sphaerale (Ertz 17425): nrLSU: JX081674

	<i>Normandina pulchella</i> serusiauxii Boqueras & Diederich: on <i>Parmelina</i> simplex D. Hawksw.: on corticolous <i>Pertusaria</i> sphaerale (Ach.) Fr.: on saxicolous <i>Pertusaria</i> [mainly <i>P. corallina</i>] tephromelarum Etayo & Calat.: on <i>Tephromela</i> verrucisporum Alstrup: on <i>Aspicilia</i>			
<i>Sessiliospora</i>	bicolora D. Hawksw.: foliicolous lichens	Hawksworth 1979a		
<i>Sphaeromma</i>	[see under <i>Keratosphaera</i> (Dothideomycetes incertae sedis)]			
<i>Spilodochium</i>	[see under Venturiales]			
<i>Sporhaplus</i>	[see under <i>Keratosphaera</i> (Dothideomycetes incertae sedis)]			
<i>Sporidesmiella</i>	lichenophila U. Braun & Heuchert: on <i>Ramalina stenospora</i>	Braun & Heuchert 2010		
<i>Sporidesmium</i>	[see under Dothideomycetes incertae sedis]			
<i>Stromatopogon</i>	[see under Dothideomycetes incertae sedis]			
<i>Stygiomyces</i>	galliformis Coppins & S. Y. Kondr.: on <i>Pseudocyphellaria</i>	Coppins & Kondratyuk 1995		
<i>Subhysteropycnis</i>	[see under <i>Arthonia</i>]	Wedin & Hafellner 1998		
<i>Taeniolella</i> s. lat.	atricerebrina Hafellner: on <i>Tephromela</i> beschiana Diederich: on <i>Cladonia</i> <i>breviuscula</i> (Berk. & M. A. Curtis) S. Hughes: facultative lichenicolous caespitosa M. S. Cole & D. Hawksw.: on <i>Pertusaria</i> christiansenii Alstrup & D. Hawksw.: on <i>Stereocaulon</i> chrysothricis Diederich: on <i>Chrysothrix</i> <i>candelaris</i>	Alstrup 1993b Alstrup & Hansen 2001 Alstrup & Hawksworth 1990 Cole & Hawksworth 2001 Diederich 1990 Diederich 1992b Diederich & Zhurbenko 1997 Diederich & Zhurbenko 2001 Etayo 2010b Etayo & Calatayud 2005 Etayo & Sancho 2008 Hafellner 1998b		

	<p>cladinicola Alstrup: on <i>Cladonia</i> subgen. <i>Cladina</i></p> <p>delicata M. S. Christ. & D. Hawksw.: on various lichens</p> <p>diederichiana Etayo & Calat.: on <i>Placopsis</i></p> <p>friesii (Hepp) Hafellner: on <i>Strigula stigmatella</i></p> <p>ionaspisicola Alstrup & E. S. Hansen: on <i>Ionaspis odora</i></p> <p>pertusariicola D. Hawksw. & H. Mayrh.: on <i>Pertusaria</i> and possibly other lichens</p> <p>phaeophysciae D. Hawksw.: on <i>Phaeophyscia orbicularis</i>, possibly also on <i>Physcia</i> and <i>Physconia</i></p> <p>pseudocyphellariae Etayo: on <i>Pseudocyphellaria</i></p> <p>punctata M. S. Christ. & D. Hawksw.: on <i>Graphis scripta</i></p> <p>rolfii Diederich & Zhurb.: on <i>Cetraria</i> and <i>Cetrariella</i></p> <p>santessonii Etayo & Heuchert: on <i>Roccellina cerebriformis</i></p> <p>serusiauxii Diederich: on <i>Schismatomma decolorans</i> and sterile crustose lichens with <i>Trentepohlia</i></p> <p>strictae Alstrup: on <i>Cladonia stricta</i></p> <p>trapeliopseos Diederich: on <i>Trapeliopsis</i></p> <p>verrucosa M. S. Christ. & D. Hawksw.: on <i>Arthonia pruinata</i></p>	<p>Hafellner 2007 Hawksworth 1979a Zhurbenko & Alstrup 2004</p>		
<i>Taeniolina</i>	<p><i>scripta</i> (P. Karst) P. M. Kirk: facultative lichenicolous on corticolous lichens</p>	<p>Diederich 1989 Hawksworth 1979a</p>	scripta : CBS 114441	
<i>Talpapellis</i>	<p>peltigerae Alstrup & M. S. Cole: on <i>Peltigera venosa</i></p>	<p>Alstrup & Cole 1998</p>		

<i>Teratosperma</i>	anacardii Hansf.: on foliicolous lichens lichenicola D. Hawksw.: on foliicolous lichens	Hawksworth 1979a		
<i>Trichoconis</i>	lichenicola D. Hawksw.: on <i>Peltigera collina</i> physciicola Brackel: on <i>Physcia</i>	Brackel 2014 Hawksworth 1980b		
<i>Trichothecium</i>	[see under Hypocreales]			
<i>Trimmatostroma</i> s. lat.	cetrariae Brackel: on <i>Cetraria islandica</i> dendrographae Diederich, Ertz, U. Braun & Heuchert: on <i>Dendrographa</i> hierrense Diederich & Ertz: on <i>Arthonia endlicheri</i> lecanoricola Diederich, Etayo, U. Braun & Heuchert: on <i>Lecanora</i> quercicola Diederich, U. Braun & Heuchert: facultatively lichenicolous on sterile, corticolous, crustose lichens umbilicariicola Heuchert & U. Braun: on <i>Umbilicaria</i> varicellariae Heuchert & U. Braun: on <i>Varicellaria rhodocarpa</i>	Diederich et al. 2010 Heuchert & Braun 2014 Zhurbenko & Brackel 2013		
<i>Vagnia</i>	cirriformis D. Hawksw. & Miadl.: on <i>Peltigera</i>	Hawksworth & Miadlikowska 1997b		
<i>Verrucaster</i>	lichenicola Tobler: on <i>Cladonia</i>	Hawksworth 1981		
<i>Verrucocladosporium</i>	[see under Capnodiales]			
<i>Vouauxiella</i>	[<i>caloplacae</i> Alstrup: on <i>Caloplaca</i> =? <i>Lichenodiplis lecanorae</i>] lichenicola (Lindsay) Petrak & H. Sydow: on <i>Lecanora</i> pithospora (Cavalc. & Silva) B. Sutton: on foliicolous lichens verrucosa (Vouaux) Petrak & H. Sydow: on <i>Lecanora</i>	Alstrup 1993a Hawksworth 1981	lichenicola : Culture obtained by Crittenden et al. (1995)	

<i>Xanthoriicola</i>	[see under Capnodiales]			
<i>Xenophoma</i>	puncteliae (Diederich & Lawrey) Crous & Trakunyingcharoen: on <i>Punctelia</i>	Lawrey et al. 2012 Trakunyingcharoen et al. 2014	puncteliae : CBS 128022 TYPE CULTURE	puncteliae (CBS 128022): ITS: JQ238617 ; nrLSU: JQ238619 ; mtSSU: JQ238618
<i>Zevadia</i>	peroccidentalis J. C. David & D. Hawksw.: on <i>Usnea</i>	David & Hawksworth 1995		

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	Species (lichenicolous fungi in bold ; <i>lichenicolous lichens or facultative</i> <i>lichenicolous fungi in italics</i>)	Significant literature	Cultures (with accession numbers when known; culture collection links)	Sequences (with accession numbers)
BASIDIOMYCOTA				
Pucciniomycotina				
Agaricostilbales				
Chionosphaeraceae				
<i>Chionosphaera</i>	cf. apobasidialis Cox: on various lichens coppinsii P. Roberts: on various lichens lichenicola Alstrup, Sutton & Tønnsberg: on various lichens	Kirschner et al. 2001 Roberts 1997 Diederich 1996		
Platyglloeales				
Platyglloeaceae				
<i>Cystobasidium</i>	hypogymniicola Diederich & Ahti: on <i>Hypogymnia</i> usneicola Diederich & Alstrup: on <i>Usnea</i>	Diederich 1996 Diederich & Christiansen 1994		

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	Species	Significant literature	Cultures (with accession numbers)	Sequences (with accession
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	(lichenicolous fungi in bold; <i>lichenicolous lichens or facultative lichenicolous fungi in italics</i>)		when known; culture collection links)	numbers)
BASIDIOMYCOTA				
Tremellomycetes				
Tremellales				
Syzygosporaceae				
<i>Syzygospora</i>	bachmannii Diederich & M. S. Christ.: on <i>Cladonia</i> parmeliicola Diederich: on <i>Hypotrachyna</i> physciacearum Diederich: on <i>Heterodermia, Physcia</i> and <i>Physconia</i>	Diederich 1996		bachmannii (CO213): nrSSU: JN043560 ; ITS: JN053505 ; nrLSU: JN043612 bachmannii (AM72): nrSSU: JN043559 ; ITS: JN053506 ; nrLSU: JN043613 physciacearum (AM17): nrSSU: JN043561 ; ITS: JN053507 ; nrLSU: JN043614
Tremellaceae				
<i>Biatoropsis</i>	usnearum Räsänen: on <i>Protousnea</i> and <i>Usnea</i>	Diederich 1996 Diederich & Christiansen 1994 Millanes et al. 2014b	usnearum : CBS 110636 (sequence information indicates this strain is probably a contaminant); CBS 100997	usnearum (AA9): nrSSU: JN043540 ; ITS: JN053486 ; nrLSU: JN043592 usnearum (AA10): nrSSU: JN043543 ; ITS: JN053489 ; nrLSU: JN043595 usnearum (AM24): nrSSU: JN043542 ; ITS: JN053488 ; nrLSU: JN043594 usnearum (CO294): nrSSU: JN043541 ; ITS: JN053487 ; nrLSU: JN043593
<i>Tremella</i>	caloplacae (Zahlbr.) Diederich: on <i>Caloplaca</i> and <i>Xanthoria</i> candelariellae Diederich & Etayo: on <i>Candelariella</i> cephalodiicola Diederich on <i>Psoroma</i>	Diederich 1996 Diederich 2003 Diederich 2004d Diederich 2007a Diederich 2007b Diederich et al. 2014		caloplacae (AM32): nrSSU: JN043525 ; ITS: JN053469 ; nrLSU: JN043574 caloplacae (AM31): ITS: JN053468 ; nrLSU: JN043573

cetrariicola Diederich & Coppins: on *Cetraria delisei* and *Tuckermannopsis christiansenii* Diederich: on *Physcia cladoniae* Diederich & M. S. Christ.: on *Cladonia coccocarpiae* Diederich: on *Coccocarpia coppinsii* Diederich & Marson: on *Platismatia dendrographae* Diederich & Tehler: on *Dendrographa diploschistina* Millanes, M. Westb., Wedin & Diederich: on *Diploschistes everniae* Diederich: on *Evernia mesomorpha graphidastrae* Diederich: on *Graphidastra haematommatis* Diederich: on *Haematomma harrisii* Diederich: on *Polymeridium* and *Trypethelium hypocenomycis* Diederich: on *Hypocenomyce hypogymniae* Diederich & M. S. Christ.: on *Hypogymnia leptogii* Diederich: on *Leptogium lethariae*: on *Letharia vulpina* **lichenicola** Diederich: on *Mycoblastus fucatus* **lobariacearum** Diederich & M. S. Christ.: on *Lobaria* and *Pseudocyphellaria macrobasidiata* J. C. Zamora, Pérez-Ortega & V. J. Rico: on *Lecanora macroceratis* Diederich & Hafellner: on *Cladonia microcarpa* Diederich: on cf. *Megalospora*

Sérusiaux et al. 2003
Millanes et al. 2011
Millanes et al. 2012
Millanes et al. 2014a
Werth et al. 2013

candelariellae (AM34): nrSSU: JN043526; ITS: JN053470; nrLSU: JN043575
cetrariicola (AM111): nrSSU: JN043544; ITS: JN053490; nrLSU: JN043596
cetrariicola (AM123): nrSSU: JN043545; ITS: JN053491; nrLSU: JN043597
christiansenii (AM36): nrLSU: JN043577;
cladoniae (AM84): nrSSU: JN043533; ITS: JN053478; nrLSU: JN043584
cladoniae (AM125): nrSSU: JN043532; ITS: JN053477; nrLSU: JN043583
coppinsii (AM38): nrSSU: JN043549; ITS: JN053495; nrLSU: JN043601
coppinsii (AM124): nrSSU: JN043550; ITS: JN053496; nrLSU: JN043602
dendrographae (AM39): ITS: JN053471; nrLSU: JN043576
everniae (AM1): nrSSU: JN043547; ITS: JN053493; nrLSU: JN043599
haematommatis (AM41): ITS: JN053510; nrLSU: JN043617
hypogymniae (AA7): nrSSU: JN043538; ITS: JN053484; nrLSU: JN043590
hypogymniae (AM122): nrSSU: JN043539; ITS: JN053485; nrLSU: JN043591

monospora Diederich: on *Leptogium*
montis-wilhelmii Diederich: on
Normandina simodense
nashii Diederich: on *Usnea*
nephromatis Diederich: on *Nephroma*
normandinae Diederich: on *Normandina*
pulchella
nieblae Diederich: on *Niebla*
papuana Diederich: on *Hypogymnia*
parmeliarum Diederich: on *Parmotrema*
parmeliellae Diederich & Sérusiaux: on
Parmeliella
pertusariae Diederich: on *Pertusaria*
phaeographidis Diederich, Coppins &
Bandoni: on *Phaeographis*
phaeographinae Diederich & Aptroot: on
Phaeographina
phaeophysciae Diederich & M. S. Christ.:
on *Phaeophyscia*
protoparmeliae Diederich & Coppins: on
Protoparmelia
psoroglaenae Diederich: on *Psoroglaena*
psoromicola Diederich: on *Psoroma*
ramalinae Diederich: on *Ramalina*
rhizocarpicola Diederich, Millanes &
Wedin: on *Rhizocarpon*
rinodinae Diederich & M. S. Christ.: on
Rinodina
santessonii Diederich: on *Usnea*
stevensiana Diederich: on *Usnea*
stictae Diederich: on *Dendriscoaulon* and
Sticta

leptogii (AM81): nrSSU:
JN043531; ITS: JN053476;
nrLSU: JN043582
lichenicola (AM18): nrSSU:
JN043558; ITS: JN053504;
nrLSU: JN043611
lobariacearum (AM80): nrSSU:
JN043528; ITS: JN053473;
nrLSU: JN043579
lobariacearum (AM118): nrSSU:
JN043529; ITS: JN053474;
nrLSU: JN043580
nephromatis (AM133): nrSSU:
JN043530; ITS: JN053475;
nrLSU: JN043581
parmeliarum (AM120): nrSSU:
JN043565; ITS: JN053511;
nrLSU: JN043618
pertusariae (AM2): nrSSU:
JN043548; ITS: JN053494;
nrLSU: JN043600
phaeophysciae (AM98): ITS:
JN053479; nrLSU: JN043585
phaeophysciae (AM121): nrSSU:
JN043534; ITS: JN053480;
nrLSU: JN043586
ramalinae (AM15): nrSSU:
JN043567; ITS: JN053513;
nrLSU: JN043620
ramalinae (AM126): nrSSU:
JN043566; ITS: JN053512;
nrLSU: JN043619
tuckerae (AM89): nrSSU:
JN043536; ITS: JN053482;
nrLSU: JN043588
wirthii (AM90): nrSSU:

	sulcariae Diederich & M. S. Christ.: on <i>Sulcaria</i> umbilicariae Diederich & Millanes: on <i>Umbilicaria</i> tuckerae Diederich: on <i>Ramalina</i> wirthii Diederich: on <i>Protoparmelia</i>			JN043546; ITS: JN053492; nrLSU: JN043598
Tremellales incertae sedis				
<i>Heteroacanthella</i>	ellipsospora J. C. Zamora, Pérez-Ortega & V. J. Rico: on <i>Lecanora carpinea</i>	Zamora et al. 2014		

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	Species (lichenicolous fungi in bold; <i>lichenicolous lichens or facultative lichenicolous fungi in italics</i>)	Significant literature	Cultures (with accession numbers when known; culture collection links)	Sequences (with accession numbers)
BASIDIOMYCOTA				
Agaricomycetes				
Agaricales				
Hygrophoraceae				
<i>Arrhenia</i>	peltigerina (Peck) Redhead, Lutzoni, Moncalvo & Vilgalys: on <i>Peltigera</i>	Barrasa & Rico 2010 Collin & Lauron 1994 Garnier-Delcourt 2008 Orton 1977 Redhead et al. 2002 Santesson 1993a		
Tricholomataceae				
<i>Gamundia</i>	<i>leucophylla</i> (Fr.) H. E. Bigelow: doubtfully lichenicolous on moribund <i>Peltigera</i> cf. <i>leucophlebia</i> striatula (Kühner) Raitelh.: on <i>Cladonia</i> and <i>Peltigera</i>	Alstrup & Hawksworth 1990 Barrasa & Rico 2010 Moreau 2005		

	<i>xerophila</i> (Lüthi & Röllin) Raitelth.: doubtfully lichenicolous on <i>Peltigera</i>			
Atheliales				
Atheliaceae				
<i>Athelia</i>	<i>alnicola</i> (Bourd. & Galz.) Jülich: facultative lichenicolous arachnoidea (Berk.) Jülich: on various lichens <i>epiphylla</i> Pers.: facultative lichenicolous <i>salicum</i> Pers.: facultative lichenicolous	Arvidsson 1976 Arvidsson 1978 Jülich 1972 Lawrey et al. 2007 Parmasto 1998	arachnoidea : ATCC 204277 arachnoidea : ATCC MYA-3672 (JL267-04) arachnoidea : CGMCC; CBS; FCUG arachnoidea : Culture obtained by Crittenden et al. (1995)	arachnoidea (strain 815): nrLSU: AF518601; nSSU: AF518572; mtSSU: AF518669; mtLSU: AF518702 arachnoidea (ATCC MYA-3672): nrSSU: DQ915454 arachnoidea (GEL 2529-1): nrLSU: AJ406484 arachnoidea (CCFC 210): mtSSU: U85804 arachnoidea (CBS 418.72): 5.8S: U85792 arachnoidea (CCFC 212; 211; 210): 5.8S: U85791
Boletales				
Coniophoraceae				
<i>Leucogyrophana</i>	lichenicola Thorn, Malloch & Ginns: on <i>Cladonia</i> and <i>Stereocaulon</i>	Lawrey et al. 2007 Thorn et al. 1998	lichenicola : Cultures obtained by Thorn et al. (1998) lichenicola : CCFC (DAOM) 194172 lichenicola : CCFC (DAOM) 212444	lichenicola (DAOM 212444): nrLSU: DQ915468
Corticiales				
Corticiaceae				
<i>Laetisaria</i>	lichenicola Diederich, Lawrey & Van den Broeck: on <i>Physcia</i>	Diederich et al. 2011	lichenicola : CBS 128705 (Type culture)	lichenicola : (CBS 128705): ITS + nrLSU: HQ168400; nrSSU: HQ168399

<i>Marchandiobasidium</i>	aurantiacum Diederich & Schultheis: on <i>Physcia</i> and rarely other lichens	Diederich 1990 Diederich et al. 2003 Diederich & Lawrey 2007 Lawrey et al. 2008	aurantiacum : ATCC MYA- 2502 aurantiacum : CBS 718.97	aurantiacum (ATCC MYA- 2502): nrSSU: DQ915460 ; nrLSU: AY583330 ; ITS: AY583324 aurantiacum (CBS 718.97): nrLSU: AY583330 ; nrSSU: AF289661
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<i>Marchandiomyces</i>	<p>buckii Diederich & Lawrey: on various lichens</p> <p>corallinus (Roberge) Diederich & D. Hawksw.: on various lichens</p>	<p>Diederich & Lawrey 2007 Etayo & Diederich 1996a Hawksworth 1979a Lawrey et al. 2007 Sikaroodi et al. 2001</p>	<p>buckii: ATCC MYA-2992 TYPE CULTURE</p> <p>corallinus: CBS 110635</p> <p>corallinus: ATCC 200796</p> <p>corallinus: ATCC 200797</p> <p>corallinus: (JL128-98, M.S. Cole 7500, culture lost)</p> <p>corallinus: ATCC MYA-1118</p> <p>corallinus: ATCC MYA-1119</p> <p>corallinus: ATCC MYA-1120</p> <p>corallinus: ATCC MYA-1121</p> <p>corallinus: ATCC MYA-1377</p> <p>corallinus: ATCC MYA-1378</p> <p>corallinus: ATCC MYA-1379</p> <p>corallinus: ATCC MYA-1380</p> <p>corallinus: ATCC MYA-2346</p> <p>corallinus: ATCC MYA-2498</p> <p>corallinus: ATCC MYA-2499</p> <p>corallinus: ATCC MYA-2500</p> <p>corallinus: ATCC MYA-2501</p> <p>corallinus: ATCC MYA-2827</p> <p>corallinus: ATCC MYA-2828</p> <p>corallinus: ATCC MYA-2829</p> <p>corallinus: ATCC MYA-2830</p> <p>corallinus: ATCC MYA-3182</p> <p>corallinus: ATCC MYA-3183</p> <p>corallinus: ATCC MYA-3184</p> <p>corallinus: ATCC MYA-3673</p> <p>corallinus: ATCC MYA-4211</p>	<p>buckii (ATCC MYA-2992): nrLSU: DQ915472; nrSSU: DQ915462</p> <p>corallinus (ATCC 200796): nrSSU: AF289660; ITS: AY583325</p> <p>corallinus (JL128-98): nrLSU: AY583331; ITS: AY583326</p> <p>corallinus (ATCC MYA-1118): ITS: AY583326</p> <p>corallinus (ATCC MYA-2346): nrSSU: DQ915457</p> <p>corallinus (ATCC MYA_2500): nrSSU: DQ915459</p> <p>corallinus (ATCC MYA-3182): nrSSU: DQ915464</p>
Cantharellales				
<i>Bulbilla</i>	applanata Diederich, Flakus & Etayo: on Peltigerales	Diederich et al. 2014		
<i>Burgella</i>	flavoparmeliae Diederich & Lawrey: on	Lawrey et al. 2007 Diederich & Lawrey 2007	flavoparmeliae : ATCC MYA-2157 TYPE CULTURE	flavoparmeliae (ATCC MYA-2157): nrLSU: DQ915469 ;

	<i>Flavoparmelia baltimorensis</i> <i>lutea</i> Diederich, Capdet, A. I. Romero & Etayo: facultative lichenicolous over various lichens	Diederich et al. 2014		nrSSU: DQ915455
<i>Burgellopsis</i>	nivea Diederich & Lawrey: on sterile, crustose lichen	Diederich et al. 2014		
<i>Burgoa</i>	angulosa Diederich, Lawrey & Etayo: on various lichens	Lawrey et al. 2007 Diederich & Lawrey 2007	Burgoa-like sp. (Diederich & Lawrey, 2007); ATCC 208870 angulosa : ATCC MYA-1121 TYPE CULTURE	B. sp. (ATCC 208870): nrSSU: AF289662 angulosa (ATCC MYA-1121): nrLSU: AY756069 ; nrSSU: AY756076 ; mtSSU: AY756072
<i>Ceratobasidium</i>	bulbillifaciens Diederich & Lawrey: on various lichens	Diederich et al. 2014		
<i>Minimedusa</i>	pubescens Diederich, Lawrey & Heylen: on various lichens	Lawrey et al. 2007 Diederich & Lawrey 2007	pubescens : ATCC MYA-2993 TYPE CULTURE	pubescens (ATCC MYA-2993): nrLSU: AY756071 ; nrSSU: AY756079 ; mtSSU: AY756074