Lichen-forming, Lichenicolous and Allied Fungi of Ecuador

Includes taxa from following child checklists: **Lichen-forming, Lichenicolous and Allied Fungi from Galapagos (Ecuador)**
Red-List of Endemic Galapagos Lichens (draft assessments)

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ABSTRACT: Lichen-forming, Liquenicolous and Allied fungi of Ecuador / Líquenes, Hongos Liquenícolas y Hongos Relacionadas del Ecuador
This checklist is the first comprehensive list of species, subspecies, varieties and forms of lichen-forming, lichenicolous and allied fungi from all regions of Ecuador: *El Oriente* – the Ecuador's Amazon region; *La Sierra* – the high volcanoes of the Ecuadorian Andes and their foothills; *La Costa* – the Ecuadorian Pacific coast; and *Las Galápagos* – Ecuador's insular province. The checklists is part of Ecuador's national biodiversity assessment program ‘Biodiversidad Genética del Ecuador’, led by the *Instituto Nacional de Biodiversidad del Ecuador* (INABIO) and the Galapagos Lichen Inventory, supported by the *Charles Darwin Foundation* for the Galapagos Islands (CDF) and the *Directorate of the Galapagos National Park* (DPNG). To built this checklist, we compiled literature records of Ecuadorian lichen biota spanning from the late 19th century to the modern day. Using the biodiversity data management software *Symbiota*, we also used the tools built into the *Consortium of Lichen Herbaria* to include records based on specimens available in institutional and personal collections participating in the *Consortium*. A publication outlining best practices for compiling checklists with Symbiota, using our Ecuador Checklist as an example, is simultaneously published in *The Lichenologist*, where the first version of this checklist is also made available as a supplement.

This is the **version #01** of this checklist.

Last updated 02 May 2023

Families: 131
Genera: 513
Species: 2599
Total Taxa: 2610

Abrothallus

Abrothallus caerulescens Kotte v
* = lichenicolous fungi (parasites on living lichens); on *Xanthoparmelia*, source: van den Boom et al. (2022)

Abrothallus canariensis Pérez-Ort., van den Boom & Suija v
* = lichenicolous fungi (parasites on living lichens); on *Pseudocyphellaria aurata*, source: Etayo (2017); J. Etayo 26661 [hb. Etayo]

Abrothallus chrysanthus Stein v
* = lichenicolous fungi (parasites on living lichens); on *Usnea*, source: Etayo (2017); Etayo, J. 19956 [hb. Etayo], Etayo, J. 25510 [hb. Etayo], Etayo, J. 25673 [hb. Etayo]

Abrothallus eriodermae Suija, Etayo & Pérez-Ortega v
* = lichenicolous fungi (parasites on living lichens); on *Erioderma*, source: Suija et al. (2015), Etayo (2017); Etayo, J. 20143 [hb. Etayo]

Abrothallus heterodermiicola Etayo & F. Berger v
* = lichenicolous fungi (parasites on living lichens); on *Leucodermia leucomelos*, Holotype QCA, Etayo 25531, source: Etayo (2017); Etayo, J. 25531 [hb. Etayo]

Abrothallus hypotrachynae Etayo & Diederich v

* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna*, source: Etayo (2017); Etayo, J. 17291 [hb. Etayo], Etayo, J. 17331 [hb. Etayo], Etayo, J. 20044 [hb. Etayo], Etayo, J. 25435 [hb. Etayo], Etayo, J. 25495 [hb. Etayo], Etayo, J. 25659 [hb. Etayo], Etayo, J. 25859 [hb. Etayo], Etayo, J. 26487 [hb. Etayo]

Abrothallus macrosporus Etayo & R. Sant.

* = lichenicolous fungi (parasites on living lichens); on *Lobariella pallida & Lobariella subexornata*, source: Etayo (2017); Etayo, J. 25539 [hb. Etayo], Etayo, J. 25623 [hb. Etayo]

Abrothallus niger Etayo

* = lichenicolous fungi (parasites on living lichens); on *Everniastrum*, Holotype QCA, Etayo 25604, source: Etayo (2017); Etayo, J. 19984 [hb. Etayo], J. Etayo 25587 [hb. Etayo], J. Etayo 25604 [hb. Etayo], J. Etayo 26669 [hb. Etayo], Etayo, J. 19984 [QCAM]

Abrothallus parmeliarum (Sommerf.) Arnold

[*Abrothallus parasiticus* (Ach.) Nyl., *Abrothallus parmeliarum f. parmeliarum* (Sommerf.) Nyl., *Abrothallus parmeliarum var. parmeliarum* (Sommerf.) Nyl., *Abrothallus smithii* Tul., *Buellia parmeliarum* (Sommerf.) Tuck., *Buellia smithii* (Tul.) Jatta, *Buelliella parmeliarum* (Sommerf.) Fink, *Endocarpon parasiticum* Ach., *Lecidea parmeliarum* Sommerf., *Lecidea parmeliarum f. parmeliarum* Sommerf., *Parmelia saxatilis f. parasitica* (Ach.) Bosch]
* = lichenicolous fungi (parasites on living lichens); on *Parmotrema & Punctelia rudecta*, source: Etayo (2017)

Abrothallus suecicus (Kirschst.) Nordin

[*Leciographa suecica* Kirschst.]
* = lichenicolous fungi (parasites on living lichens); on *Ramalina*, source: Etayo (2017); J. Etayo 25577 [hb. Etayo], J. Etayo 26407 [hb. Etayo]

Abrothallus teloschistis Brackel, Pérez-Ortega & Suija

* = lichenicolous fungi (parasites on living lichens); on *Teloschistes exilis & Teloschistes flavicans*, source: Etayo (2017); Etayo, J. 25513 [hb. Etayo], J. Etayo 25578 [hb. Etayo]

Abrothallus usneae Rabenh.

[*Buellia lepidophila var. usneae* (Rabenh.) H. Olivier, *Buellia usneae* (Rabenh.) Jatta, *Buelliella usneae* (Rabenh.) Fink]
* = lichenicolous fungi (parasites on living lichens); on *Usnea* spp., including *Usnea bogotensis*, source: Etayo (2017); Etayo, J. 19934 [hb. Etayo], Etayo, J. 19973 [hb. Etayo], Etayo, J. 20005 [hb. Etayo], Etayo, J. 20064 [hb. Etayo], Etayo, J. 20082 [hb. Etayo], Etayo, J. 20169 [hb. Etayo]

Absconditella

Absconditella celata Döbbeler & Poelt

Etayo, J. 27013 [hb. Etayo]

Acantholichen

Acantholichen galapagoensis Dal-Forno, Bungartz & Lücking

endemic to Galapagos, Holotype: Dal Forno 1205 [CDS 44756]; IUCN: Vulnerable B1ab(iii)+2ab(iii); previously reported as *A. pannarioides*, but all Galapagos specimens belong to *A. galapagoensis*, source: Bungartz (2018), Dal-Forno et al. (2017), Dal-Forno et al. (2016), Dal-Forno et al. (2015), Jørgensen (1998), Lawrey et al. (2009), Lücking et al. (2009), Yánez-Ayabaca et al. (2012); Aptroot, A. 63214 [CDS], Aptroot, A. 63215 [CDS], Aptroot, A. 64679 [CDS], Bungartz, F. 4125 [CDS], Bungartz, F. 3313 [CDS], Aptroot, A. 65187 [CDS], Aptroot, A. 65554 [CDS], Nugra, F. 400 [CDS], Nugra, F. 379 [CDS], Bungartz, F. 5593 [CDS], Nugra, F. 439 [CDS], Ertz, D. 11713 [CDS], Truong, C. 1148 [CDS], Truong, C. 1532 [CDS], Bungartz, F. 8152 [CDS], Bungartz, F. 8577 [CDS], Dal-Forno, M. 1202 [CDS], Dal-Forno, M. 1203 [CDS], Dal-Forno, M. 1204 [CDS], Dal-Forno, M. 1205 [CDS], Yánez-Ayabaca, A. 1519 [CDS], Yánez-Ayabaca, A. 1533 [CDS], Yánez-Ayabaca, A. 1546 [CDS], Spielmann, A.A. 8265 [CDS], Spielmann, A.A. 10622 [CDS]

Acantholichen pannarioides P.M. Jørg.

source: Jørgensen (1998), Jørgensen & Arvidson (2004), Dal-Forno et al. (2016); Z. Palice 8363 dupl. [BG], Arvidsson... 2108 [GB], Arvidsson... 1145 [GB], Arvidsson... 2098 [GB], Arvidsson... 2326 [GB], Arvidsson... 1895 [GB]

Acanthothecis

Acanthothecis albescens (Vain.) Staiger & Kalb

[*Graphis albescens* Vain.]
source: Nöske et al. (2007)

Acanthothecis hololeucoides (Nyl.) Staiger & Kalb

[*Graphina hololeucoides* (Nyl.) Müll.Arg., *Graphis hololeucoides* Nyl.]
source: Nöske et al. (2007), Nöske & Sipman (1993, 2004)

Acarospora

Acarospora americana H. Magn.

[*Acarospora cinereoalba* Fink ex H. Magn., *Acarospora superfusca* H. Magn.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Knudsen (2012); Bungartz, F. 10378 [CDS], Aptroot, A. 64834 [CDS]

Acarospora chrysops (Tuck.) H. Magn.

[*Lecanora chrysops* Tuck.]
source: Weber (1986), Knudsen et al. (2008); Unknown s.n. [COLO], Ertz, D. 11872 [CDS], Bungartz, F. 7718 [CDS], Aptroot, A. 64814 [CDS], Bungartz, F. 4497 [CDS], Aptroot, A. 64793 [CDS], Bungartz, F. 5244 [CDS], Aptroot, A. 65010 [CDS], Bungartz, F. 6137 [CDS], Bungartz, F. 6581 [CDS], Bungartz, F. 5994 [CDS], Aptroot, A. 64737 [CDS], Bungartz, F. 5253 [CDS], Bungartz, F. 4304 [CDS], Bungartz, F. 7010 [CDS], Bungartz, F. 7592 [CDS], Clerc, P. 08-167 [CDS], Bungartz, F. 8182 [CDS], Spielmann, A.A. 10498 [CDS], Spielmann, A.A. 10512 [CDS], Spielmann, A.A. 10528 [CDS], Spielmann, A.A. 10566 [CDS], Nugra, F. 1059 [CDS], Bungartz, F. 10355 [CDS], Bungartz, F. 10375 [CDS], Bungartz, F. 10376 [CDS], Bungartz, F. 10377 [CDS], Weber, W.A. s.n. [CDS]

Acarospora obpallens (Nyl. ex Hasse) Zahlbr.

[*Lecanora obpallens* Nyl. ex Hasse]
source: Knudsen et al. (2008); R. C. Harris 17535 [NY], R. C. Harris 17443 [NY]

Acarospora privigna (Ach.) Gotth. Schneid.

[*Acarospora cervina var. privigna* (Ach.) Mudd, *Acarospora cervina var. simplex* (Taylor) Mudd, *Acarospora simplex* (Taylor) Jatta nom. illegit., *Acarospora simplex var. decipiens* (A. Massal.) Jatta, *Biatora privigna* (Ach.) Müll.Arg., *Biatorella privigna* (Ach.) Sandst., *Biatorella privigna f. privigna* (Ach.) Sandst., *Biatorella privigna var. privigna* (Ach.) Sandst., *Biatorella pruinosa var. decipiens* Th. Fr. nom. illegit., *Biatorella revertens* (Tuck.) Herre, *Biatorella simplex* (Davies) Branth & Rostr., *Biatorella simplex f. complicata* (Cromb.) Sandst., *Biatorella simplex f. goniophila* (Flörke) Zahlbr., *Biatorella simplex f. incrassata* (Arnold) Zahlbr., *Biatorella simplex f. simplex* (Davies) Branth & Rostr., *Biatorella simplex var. angusta* (H. Magn.) Zahlbr., *Biatorella simplex var. calcifraga* (Müll.Arg.) Zahlbr., *Biatorella simplex var. chlorocinella* (Wedd.) H. Olivier, *Biatorella simplex var. crustosa* (H. Magn.) Zahlbr., *Biatorella simplex var. herpes* Norman, *Biatorella simplex var. hymenogonia* (Zahlbr.) Zahlbr., *Biatorella simplex var. incrassata* (Arnold) Zahlbr., *Biatorella simplex var. major* (H. Magn.) Zahlbr., *Biatorella simplex var. simplex* (Davies) Branth & Rostr., *Biatorella simplex var. strepsodina* (Ach.) H. Olivier, *Lecanora privigna* (Ach.) Nyl., *Lecanora privigna var. privigna* (Ach.) Nyl., *Lecanora privigna var. revertens* Tuck. [synonymy unresolved], *Lecanora simplex* (Taylor) Nyl., *Lecanora simplex f. complicata* Cromb., *Lecanora simplex f. simplex* (Davies) Nyl., *Lecidea privigna* Ach., *Lecidea simplex* Taylor, *Lecidea simplex var. calcifraga* Müll.Arg., *Lecidea simplex var. chlorocinella* Wedd., *Lecidea simplex var. simplex* (Davies) Taylor, *Polysporina simplex* (Taylor) Vězda, *Polysporina simplex f. simplex* (Davies) Vezda, *Polysporina simplex var. crustosa* (H. Magn.) N.S. Golubk., *Polysporina simplex var. simplex* (Davies) Vezda, *Psora privigna* (Ach.) Flot., *Rinodina privigna* (Ach.) Gray, *Sarcogyne privigna* (Ach.) A. Massal., *Sarcogyne privigna f. privigna* (Ach.) A. Massal., *Sarcogyne simplex* (Davies) Nyl., *Sarcogyne simplex f. complicata* (Cromb.) H. Magn., *Sarcogyne simplex f. goniophila* Flörke, *Sarcogyne simplex f. incrassata* Arnold, *Sarcogyne simplex f. lignicola* B. de Lesd. ex Meyl.,

Sarcogyne simplex f. simplex (Davies) Nyl., *Sarcogyne simplex subsp. incrassata* (Arnold) H. Magn., *Sarcogyne simplex subsp. simplex* (Davies) Nyl., *Sarcogyne simplex var. angusta* H. Magn., *Sarcogyne simplex var. crustosa* H. Magn., *Sarcogyne simplex var. hymenogonia* (Zahlbr.) H. Magn., *Sarcogyne simplex var. major* H. Magn., *Sarcogyne simplex var. simplex* (Davies) Nyl.]
source: Knudsen (2012)

Acarospora sparsiuscula H. Magn.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Knudsen (2012); Aptroot, A. 64801 [CDS], Bungartz, F. 4764 [CDS], Aptroot, A. 65104 [CDS], Aptroot, A. 64806 [CDS]

Aciculopsora

Aciculopsora longispora (Swinscow & Krog) S. Kistenich, M. Bendiksby & E. Timdal v

[*Phyllopsora longispora* Swinscow & Krog]
source: Kistenich et al. (2020); Bungartz, F. 3699 [CDS], Bungartz, F. 3697 [CDS], Bungartz, F. 10474 A [CDS]

Acremonium

Acremonium spegazzinii D. Hawksw. v

* = lichenicolous fungi (parasites on living lichens); on *Leptogium* cf. *vesiculosum*, source: Etayo (2017); Etayo, J. 25625 [hb. Etayo]

Actinoplaca

Actinoplaca strigulacea Müll.Arg. v

source: Lücking (1999), Lücking & Matzer (2001), Lücking (2008), van den Boom et al. (2022); Robert Lücking 96-109 [INABIOEC-MECN-QCNE], Robert Lücking 96-893 [INABIOEC-MECN-QCNE], Robert Lücking 96-1052 [INABIOEC-MECN-QCNE], Lücking, R. 96-79 [QCAM], Lücking, R. 96-259 [QCAM], Lücking, R. 96-691 [QCAM]

Aderkomyces

Aderkomyces albostrigosus (R. Sant.) Lücking, Sérus. & Vězda v

[*Aderkomyces albostrigosus f. aggregatus* Lücking, *Aderkomyces albostrigosus f. albostrigosus* (R. Sant.) Lücking, Sérus. & Vězda, *Tricharia albostrigosa* R. Sant.]
source: Lücking (1999, 2008), Lücking & Matzer (2001); E. Asplund 1939-06-27 [S]

Aderkomyces cubanus (Vězda) Lücking, Sérus. & Vězda v

[*Tricharia cubana* Vězda]
source: van den Boom et al. (2022)

Aderkomyces heterellus (Stirt.) Lücking, Sérus. & Vězda v

[*Arthonia heterella* Stirt., *Echinoplaca heterella* (Stirt.) R. Sant., *Tricharia heterella* (Stirt.) Lücking]
source: Lücking (1999, 2008)

Aderkomyces papilliferus (Lücking) Lücking, Sérus. & Vězda v

[*Tricharia papillifera* Lücking]
native, indigenous, source: Lücking et al. (2005); Bungartz, F. 3946 [CDS], Bungartz, F. 7064 C [CDS], Herrera-Campos, M.A. 10657 A [CDS], Herrera-Campos, M.A. 10683 B [CDS], Bungartz, F. 8286 A [CDS], Bungartz, F. 7097 B [CDS], Aptroot, A. 64608 [CDS], Bungartz, F. 10971 A [CDS], Bungartz, F. 10975 A [CDS]

Aderkomyces verruciferus (Lücking) Lücking, Sérus. & Vězda v

[*Tricharia verrucifera* Lücking]
Holotype QCNE, Lücking 96-1074, source: Lücking (2008), Lücking (1999); R. Lücking 96-1074 [INABIOEC-MECN-QCNE], Lücking, R. 96-1074 [INABIOEC-MECN-QCNE]

Agonimia

Agonimia foliacea (P.M. Jørg.) Lücking & Moncada v

[*Marchandiomphalina foliacea* (P.M. Jørg.) Diederich, Manfr. Binder & Lawrey, 2007, *Omphalina foliacea* P.M. Jørg.]
parasitized by *Norrlinia peltigericola*, *Lichenopeltella minuta*, and *Stigmidium joergensenii*, source: Jørgensen (1989), Santesson (1989), Lücking & Moncada (2017); R. C. Harris 16871 [NY]

Agonimia opuntiella (Buschardt & Poelt) A. Vězda v

[*Phaeophyscia opuntiella* (Buschardt & Poelt) Hafellner, *Physcia opuntiella* Buschardt & Poelt]
native, indigenous, source: Vězda (2997); Bungartz, F. 4210 [CDS], Aptroot, A. 64938 [CDS], Aptroot, A. 64535 [CDS], Aptroot, A. 64669 [CDS], Aptroot, A. 64513 [CDS], Aptroot, A. 65492 [CDS]

Agonimia pacifica (H. Harada) Diederich v

[*Agonimiella pacifica* H. Harada]
native, indigenous, source: Diederich et al. (1997); Klara Scharnagl 1862 [MSC], Bungartz, F. 4999 [CDS], Bungartz, F. 7303 [CDS], Aptroot, A. 64320 [CDS]

Agonimia tristicula (Nyl.) Zahlbr. v

[*Acarospora fuscata f. tristicula* (Nyl.) H. Magn., *Acrocordia tristicula* (Nyl.) A. Massal., *Polyblastia tristicula* (Nyl.) Arnold, *Sporodictyon tristiculum* (Nyl.) Dalla Torre & Sarnth., *Verrucaria tristicula* Nyl.]
* = lichenicolous fungi (parasites on dead parts of living lichens); on *Parmotrema reticulatum & Peltigera polydactyla*, source: Etayo (2017); Bungartz, F. 8186 [CDS], Aptroot, A. 63136 [CDS], Aptroot, A. 65195 [CDS], Bungartz, F. 6542 [CDS], Aptroot, A. 63898 [CDS], Etayo, J. 25439 [hb. Etayo], J. Etayo 25580 [hb. Etayo]

Agyrium

Agyrium rufum (Pers.) Fr.

[*Agyrium rufum var. pallens* Fr., *Agyrium rufum var. rufum* (Pers.) Fr., *Biatora grumosa* (Leight.) Walt. Watson, *Lecidea grumosa* Leight., *Stictis rufa* Pers., *Xylographa parallela f. pallescens* Fr.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, non-lichenized saprophytic fungus, compare with *Xylographa*

Ainoa

Ainoa mooreana (Carroll) Lumbsch & I. Schmitt v

[*Biatora brujeriana* (Schaer.) Arnold, *Biatora coarctata var. brujeriana* (Schaer.) Tuck., *Biatora lopadioides* Th. Fr., *Biatora torellii* Anzi, *Lecanora coarctata var. brujeriana* (Schaer.) Schaer., *Lecanora elacista var. brujeriana* (Schaer.) A. Massal., *Lecidea brujeriana* (Schaer.) Nyl., *Lecidea brujeriana f. brujeriana* (Schaer.) Leight., *Lecidea brujeriana f. ochrodes* Nyl. ex Stirt., *Lecidea brujeriana f. ochroides* Nyl. ex A.L. Sm., *Lecidea brujeriana var. brujeriana* (Schaer.) Leight., *Lecidea coarctata var. brujeriana* Schaer., *Lecidea elacista var. brujeriana* (Schaer.) Hepp, *Lecidea lopadioides* (Th. Fr.) Grummann, *Lecidea mooreana* Carroll, *Lecidea torellii* (Anzi) Nyl., *Patellaria coarctata var. brujeriana* (Schaer.) Trevis., *Trapelia brujeriana* (Schaer.) M. Choisy, *Trapelia mooreana* (Carroll) P. James, *Trapelia torellii var. torellii* (Anzi) Hertel, *Zeora coarctata f. brujeriana* (Schaer.) Flot., *Zeora coarctata var. brujeriana* (Schaer.) Arnold]
W. R. Buck 39339 [NY], K. Kalb & A. Kalb 1987-08-21 [UPS], K. Kalb, A. Kalb 1987-08-21 [O], Etayo, J. 17355 [hb. Etayo], Etayo, J. 25665 [hb. Etayo], Etayo, J. 26265 [hb. Etayo], J. Etayo 26684 [hb. Etayo], Kulíšek... EC47 (PALICE 4504) [QCAM]

Alectoria

Alectoria ecuadorensis (Zahlbr.) Gyeln.

[*Alectoria ochroleuca var. ecuadorensis* Zahlbr.]
Type Meyer 301, Chimborazo: Auf dem Erdboden, steril, bei 400 m Seehöhe [Chimborazo: on soil, sterile, at 400 m altitude] ; originally described by Zahlbruckner (1905) as *Alectoria ochroleuca* var. *ecuadorensis* Zahlbr. (1905), acccording to Esslinger (2016) chemically similar to *A. guatemalana*, but with much broader lobes, source: Esslinger (2016), Zahlbruckner (1905)

Alectoria imshaugii Brodo & D. Hawksw.

source: Nöske et al. (2007)

Alectoria jubata (L.) Ach., Lich. nom. rejic.

[*Lichen jubatus* L. nom. rejic., *Lichen jubatus var. jubatus* L.]
source: Leighton (1966), Cevallos (2012)

Alectoria ochroleuca (Hoffm.) A. Massal.

[*Alectoria ochroleuca f. citrina* Räsänen, *Alectoria ochroleuca f. tenuior* Cromb., *Alectoria ochroleuca var. citrina* (Räsänen) D. Hawksw., *Alectoria ochroleuca var. rigida* (Fr.) Th. Fr., *Bryopogon ochroleucus* (Hoffm.) Link, *Bryopogon ochroleucus f. intricatus* Gyeln., *Bryopogon ochroleucus f. japonicus* Gyeln., *Bryopogon ochroleucus f. ochroleucus* (Hoffm.) Link, *Bryopogon ochroleucus var. ochroleucus* (Hoffm.) Link, *Bryopogon ochroleucus var. rigidus* (Fr.) Hazsl., *Bryopogon ochroleucus var. tenuior* (Cromb.) Gyeln., *Bryopogon ochroleucus var. tenulor* (Cromb.) Gyeln., *Cornicularia ochroleuca* (Hoffm.) DC., *Cornicularia ochroleuca var. ochroleuca* (Hoffm.) DC., *Cornicularia ochroleuca var. rigida* (Fr.) Schaer., *Evernia ochroleuca* (Hoffm.) Fr., *Evernia ochroleuca var. ochroleuca* (Hoffm.) Fr., *Evernia ochroleuca var. rigida* Fr., *Parmelia ochroleuca f. ochroleuca* (Hoffm.) Ach., *Parmelia ochroleuca var. ochroleuca* (Hoffm.) Ach., *Usnea ochroleuca* Hoffm.]
parasitized by *Lichenostigma maureri*, source: Zahlbruckner (1907), Sklenář et al. (2010), González et al. (2017a,b), Etayo (2017), Benítez et al. (2012, 2015), van den Boom et al. (2022); L. B. Holm-Nielsen 17318 [US], L. B. Holm-Nielsen... 5870 [US], Benítez, A. 87 [HUTPL], H. Balslev 1980-11-27 [LD], Robert Lücking 92-3664 [INABIOEC-MECN-QCNE], González Y. YG 0141 [INABIOEC-MECN-QCNE], Telma Paredes 429 [INABIOEC-MECN-QCNE], Telma Paredes 990 [INABIOEC-MECN-QCNE], Telma Paredes 985 [INABIOEC-MECN-QCNE], Telma Paredes 1032 [INABIOEC-MECN-QCNE], Telma Paredes 1016 [INABIOEC-MECN-QCNE], Telma Paredes 1015 [INABIOEC-MECN-QCNE], Etayo, J. 25880 [hb. Etayo], Etayo, J. 27000 [hb. Etayo], Holm-Nielsen... 5870 [QCAM], Jaramillo... 2103 [QCAM], Balslev, H. 1015 [QCAM], Briones, R. 27 [QCAM], de Espinosa, B.T. 126 [QCAM]

Alectoria ochroleucoides Essl.

source: Esslinger (2016); Calvin Sperling B1002 [hb. Esslinger]

Allographa

Allographa acharii (Fée) Lücking & Kalb

[*Graphina acharii* (Fée) Müll. Arg., *Graphis acharii* Fée, *Graphis rigida f. acharii* (Fée) Nyl., *Graphis rigida var. acharii* (Fée) Kremp., *Opegrapha acharii* (Fée) Mont.]
source: Nöske & Sipman (2004; as *G.* cf. *acharii*), Bungartz et al. (2009); Aptroot, A. 65079 [CDS], Aptroot, A. 63834 [CDS], Bungartz, F. 5533 [CDS], Bungartz, F. 4162 [CDS], Aptroot, A. 65660 [CDS], Bungartz, F. 4760 [CDS], Nugra, F. 255 A [CDS], Nugra, F. 368 [CDS], Nugra, F. 55 [CDS], Nugra, F. 420 [CDS], Nugra, F. 434 [CDS], Bungartz, F. 7296 [CDS], Bungartz, F. 7318 [CDS], Bungartz, F. 8261 [CDS], Dal-Forno, M. 1167 [CDS]

Allographa adpressa (Vain.) Lücking & Kalb

[*Graphis adpressa* Vain.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2009); Aptroot, A. 65323 [CDS], Aptroot, A. 64682 [CDS], Bungartz, F. 3291 [CDS], Bungartz, F. 4065 [CDS], Bungartz, F. 3285 [CDS], Ziemmeck, F. 744 [CDS], Nugra, F. 186 [CDS], Bungartz, F. 6858 [CDS], Bungartz, F. 9446 [CDS], Bungartz, F. 10169 [CDS], Nugra, F. 66 [CDS], Bungartz, F. 10398 [CDS]

Allographa argentata (Lücking & Umaña) Lücking & Kalb

[*Graphis argentata* Lücking & Umaña]
source: Benítez et al. (2019), van den Boom et al. (2022); Benítez, A. 30 [HUTPL]

Allographa chlorocarpa (Fée) Lücking & Kalb

[*Diplographis chlorocarpa* (Fée) A. Massal., *Graphina chlorocarpa* (Fée) Müll.Arg., *Graphis frumentaria subsp. chlorocarpa* (Fée) Nyl., *Graphis frumentaria var. chlorocarpa* (Fée) Tuck., *Hemithecium chlorocarpum* (Fée) Trevis., *Ustalia chlorocarpa* (Fée) Spreng.]
K. Kalb 18826u [WIS]

Allographa chrysocarpa (Raddi) Lücking & Kalb

[*Graphina chrysocarpa* (Raddi) Müll. Arg., *Graphis chrysocarpa* (Raddi) Spreng., *Opegrapha chrysocarpa* Raddi, *Phaeographina chrysocarpa* (Raddi) Redinger]
source: Leighton (1866), Staiger (2002), Fernández-Prado et al. (2022), Déleg et. al (2021); Culberson, William, L.... 20415 [DUKE], Hugh H. Iltis E-148 [LSU], Bungartz, F. 10726 [CDS], Bungartz, F. 10735 [CDS], Bungartz, F. 10871 [CDS], Dal-Forno, M. 1839 [CDS], Carlos Padilla 1330 [INABIOEC-MECN-QCNE]

Allographa cleistoblephara (Nyl.) Lücking & Kalb

[*Graphina cleistoblephara* (Nyl.) Zahlbr., *Graphis cleistoblephara* Nyl.]
source: Fernández-Prado et al. (2022)

Allographa cleistomma (Nyl.) Lücking & Kalb

[*Graphina cleistomma* (Nyl.) Müll.Arg., *Graphis cleistomma* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2009); Aptroot, A. 65039 [CDS], Bungartz, F. 4023 [CDS], Bungartz, F. 4108 [CDS], Aptroot, A. 65636 [CDS], Aptroot, A. 65037 B [CDS], Spielmann, A.A. 10624 [CDS], Spielmann, A.A. 10633 [CDS]

Allographa elongata (Zenker) Lücking & Kalb

[*Graphis elongata* Zenker, *Graphis elongata var. elongata* Vain.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2009); Aptroot, A. 63779 [CDS], Bungartz, F. 3534 [CDS], Bungartz, F. 5584 [CDS], Bungartz, F. 4236 [CDS], Bungartz, F. 4240 [CDS], Bungartz, F. 4329 [CDS], Bungartz, F. 4332 [CDS], Aptroot, A. 65602 [CDS], Bungartz, F. 4192 [CDS], Bungartz, F. 4231 [CDS], Aptroot, A. 65424 [CDS], Aptroot, A. 65518 [CDS], Nugra, F. 171 [CDS], Nugra, F. 222 [CDS], Nugra, F. 389 [CDS], Nugra, F. 436 [CDS], Bungartz, F. 6898 [CDS], Nugra, F. 440 [CDS], Nugra, F. 456 [CDS], Bungartz, F. 10143 [CDS], Bungartz, F. 10129 [CDS], Bungartz, F. 10133 [CDS], Bungartz, F. 10027 [CDS], Bungartz, F. 10002 [CDS], Bungartz, F. 10142 [CDS]

Allographa farinulenta (Müll. Arg.) Lücking & Kalb

[*Graphis farinulenta* Müll.Arg.]
source: Déleg et al. (2021)

Allographa flavominiata (B. Moncada & Lücking) Lücking & Kalb

[*Graphis flavominiata* Moncada & Lücking]
native, indigenous, source: Bungartz & et al. (2009); Bungartz, F. 5565 [CDS], Bungartz, F. 5018 [CDS], Bungartz, F. 4193 [CDS], Aptroot, A. 65234 [CDS], Bungartz, F. 5531 [CDS], Bungartz, F. 5534 [CDS], Bungartz, F. 5535 [CDS], Nugra, F. 409 [CDS], Nugra, F. 218 [CDS], Bungartz, F. 6896 [CDS], Bungartz, F. 7102 [CDS], Aptroot, A. 65305 B [CDS], Bungartz, F. 8247 [CDS], Bungartz, F. 7997 [CDS], Bungartz, F. 10297 [CDS]

Allographa illinata (Eschw.) Lücking & Kalb

[*Allographa apoda* (Eschw.) Lücking & Kalb, *Graphina illinata* (Eschw.) M. Wirth & Hale, *Graphis apoda* (Zahlbr.) Lücking, *Graphis illinata* Eschw., *Graphis illinata var. apoda* Zahlbr., *Graphis illinata var. illinata* Eschw.]
source: Fernández-Prado et al. (2022); Moncada, B. 8467 [CDS]

Allographa ingarum (Vain.) Lücking & Kalb

[*Graphis angustata var. ingarum* Vain., *Graphis ingarum* (Vain.) Lücking]
source: Fernández-Prado et al. (2022; as *A.* cf. *ingarum*)

Allographa isidiata (Hale) Lücking & Kalb

[*Graphis isidiata* (Hale) Lücking, *Thelotrema isidiatum* Hale]
source: Kalb & Schumm (2021)

Allographa leptospora (Vain.) Lücking & Kalb

[*Graphis leptospora* Vain.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 7818 [CDS], Bungartz, F. 7073 [CDS]

Allographa longula (Kremp.) Lücking & Kalb

[*Graphis longula* Kremp., *Phaeographis longula* (Kremp.) Zahlbr.]
source: Déleg et al. (2021), Diederich et al. (2022); Bungartz, F. 8592 [CDS], Bungartz, F. 10285 [CDS], Nugra, F. 1043 [CDS], Spielmann, A.A. 10430 [CDS], Spielmann, A.A. 10593 [CDS], Spielmann, A.A. 10599 [CDS]

Allographa lumbricina (Vain.) Lücking & Kalb

[*Graphis lumbricina* Vain.]
source: Staiger (2022; as *G.* cf. *lumbricina*, Cevallos (2012)

Allographa macella (Kremp.) Lücking & Kalb

[*Graphina macella* (Kremp.) Müll. Arg., *Graphis macella* Kremp.]
source: van den Boom et al. (2022); Dal-Forno, M. 1168 [CDS]

Allographa mexicana (Hale) Lücking & Kalb

[*Graphis mexicana* (Hale) Lumbsch, Lücking & Kalb, *Thelotrema mexicanum* Hale]
source: Fernández-Prado et al. (2022), Lücking (2015), van den Boom et al. (2022); W. R. Buck 39336 [NY]

Allographa miniata (Redinger) Lücking & Kalb

[*Graphis miniata* Redinger]
source: Déleg et al. (2021)

Allographa nuda (H. Magn.) Lücking & Kalb

[*Graphina nuda* Magn.]
source: Fernández-Prado et al. (2022)

Allographa ochracea (C.W. Dodge) Lücking & Kalb

[*Graphis subchrysocarpa* Lücking, *Phaeographis ochracea* C.W. Dodge]
source: Bungartz et al. (2010); Bungartz, F. 5798 [CDS], Bungartz, F. 5812 [CDS]

Allographa pedunculata (Bungartz & Aptroot) Lücking & Kalb

[*Graphis pedunculata* Bungartz & Aptroot]
endemic to Galapagos, Holotype: Bungartz 5701 [CDS 28799], source: Bungartz et al. (2009); Aptroot, A. 65665 [CDS], Aptroot, A. 65686 [CDS], Bungartz, F. 4701 [CDS], Bungartz, F. 4801 A [CDS]

Allographa phaeospora (Vain.) Lücking & Kalb

[*Graphis phaeospora* Vain., *Phaeographina phaeospora* (Vain.) Zahlbr.]
source: Nöske et al. (2007), Bungartz et al. (2009); Aptroot, A. 63335 [CDS], Aptroot, A. 65305 A [CDS], Aptroot, A. 65324 [CDS], Aptroot, A. 63174 [CDS], Aptroot, A. 63176 [CDS], Aptroot, A. 64684 [CDS], Bungartz, F. 5763 [CDS], Bungartz, F. 4184 [CDS], Nugra, F. 276 [CDS], Bungartz, F. 6860 [CDS], Bungartz, F. 6875 [CDS], Bungartz, F. 7292 [CDS], Nugra, F. 539 [CDS], Nugra, F. 255 B [CDS], Truong, C. 1146 [CDS], Yánez-Ayabaca, A. 1940 [CDS], Yánez-Ayabaca, A. 1946 [CDS], Bungartz, F. 9667 [CDS], Bungartz, F. 8136 [CDS], Yánez-Ayabaca, A. 2069 [CDS], Rivas Plata, E. 4056 [CDS], Spielmann, A.A. 10445 [CDS]

Allographa plurispora (Redinger) Lücking & Kalb

[*Graphina plurispora* (Redinger) M. Wirth & Hale, *Graphina pseudosophistica var. plurispora* Redinger, *Graphis plurispora* (Redinger) Lücking & Chaves]
source: Nöske et al. (2007)

Allographa rhizicola (Fée) Lücking & Kalb

[*Graphis assimilis* Nyl., *Graphis assimilis f. assimilis* Nyl., *Graphis rhizicola* (Fée) Lücking & Chaves, *Graphis scripta var. assimilis* Tuck. nom. illegit., *Opegrapha rhizicola* Fée]
source: Nöske et al. (2007), van den Boom et al. (2022)

Allographa rimulosa (Mont.) Lücking & Kalb

[*Graphis rimulosa* (Mont.) Trevisan, *Graphis rimulosa var. pulverulenta* (Nyl.) Müll.Arg., *Graphis rimulosa var. rimulosa* (Mont.) Trevis., *Graphis striatula var. pulverulenta* Nyl., *Opegrapha rimulosa* Mont.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2009); Aptroot, A. 65325 [CDS], Bungartz, F. 5758 [CDS], Aptroot, A. 64849 [CDS], Bungartz, F. 5559 [CDS], Bungartz, F. 5599 [CDS], Bungartz, F. 5576 [CDS], Bungartz, F. 5579 [CDS], Ziemmeck, F. 527 [CDS], Aptroot, A. 63832 A [CDS], Bungartz, F. 4077 [CDS], Bungartz, F. 3512 [CDS], Bungartz, F. 5769 [CDS], Bungartz, F. 6843 [CDS], Bungartz, F. 6894 [CDS], Bungartz, F. 7091 [CDS], Bungartz, F. 7136 [CDS], Bungartz, F. 8116 [CDS], Bungartz, F. 8240 [CDS], Bungartz, F. 8242 [CDS], Bungartz, F. 5537 [CDS], Yánez-Ayabaca, A. 1840 [CDS], Bungartz, F. 9469 [CDS], Bungartz, F. 9470 [CDS], Bungartz, F. 9468 [CDS]

Allographa rufopallida (Vain.) Lücking & Kalb

[*Graphina rufopallida* (Vain.) Zahlbr., *Graphis rufopallida* Vain.]
source: Fernández-Prado et al. (2022)

Allographa ruiziana (Fée) Lücking & Kalb

[*Graphina ruiziana* (Fée) Müll.Arg., *Graphina ruiziana var. anomala* (Leight.) Zahlbr., *Graphina ruiziana var. ruiziana* (Fée) Müll.Arg., *Graphina ruiziana var. terricola* Redinger, *Graphis ruiziana* (Fée) A. Massal., *Opegrapha anomala* Leight., *Opegrapha ruiziana* Fée, *Stenographa anomala* (Leight.) Mudd, *Stenographa ruiziana* (Fée) Arnold]
source: Benítez et al. (2015), Benítez (2016), van den Boom et al. (2022); Benítez, A. 192 [HUTPL], Benítez, A. 193 [HUTPL], Benítez, A. 194 [HUTPL], Benítez, A. 195 [HUTPL]

Allographa scaphella (Ach.) Lücking & Kalb

[*Graphina scaphella* (Ach.) Müll.Arg., *Graphis scaphella var. scaphella* (Ach.) Spreng., *Opegrapha scaphella* Fée]
source: Benítez et al. (2015), Benítez (2016)

Allographa sitiana (Vain.) Lücking & Kalb

[*Graphis albida* Vain., *Graphis sitiana* Vain., *Phaeographis albida* (Vain.) Zahlbr.]
parasitized by *Enterographa epigraphis*, source: Benítez et al. (2015), Benítez (2016), Etayo (2017); Benítez, A. 197 [HUTPL]

Allographa striatula (Ach.) Lücking & Kalb

[*Graphis striatula* (Ach.) Sprengel, *Graphis striatula var. sublaevis* Nyl., *Hysterium striatulum* (Ach.) Fr., *Opegrapha striatula* Ach.]
source: Benítez et al. (2015; as *Graphis* aff. *striatula*)

Allographa triphora (Nyl.) Lücking & Kalb

[*Graphina triphora* (Nyl.) Müll.Arg., *Graphis triphora* Nyl.]
source: van den Boom et al. (2022)

Allographa vestitoides (Fink) Lücking & Kalb

[*Graphina vestitoides* Fink, *Graphis vestitoides* (Fink) Staiger]
source: Fernández-Prado et al. (2022), van den Boom et al. (2022); Bungartz, F. 5813 [CDS], Aptroot, A. 64349 [CDS], Aptroot, A. 65521 [CDS], Nugra, F. 536 [CDS], Nugra, F. 291 B [CDS], Nugra, F. 540 [CDS], Bungartz, F. 10066 [CDS]

Allographa xanthospora (Müll. Arg.) Lücking & Kalb

[*Graphis xanthospora* Müll.Arg.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Dal-Forno, M. 1163 [CDS]

Alyxoria

Alyxoria culmigena (Lib.) Ertz

[*Opegrapha betulina* Pers., *Opegrapha betulina var. betulina* Pers., *Opegrapha betulina var. conferta* Erichsen, *Opegrapha betulina var. herbarum* (Mont.) Redinger, *Opegrapha culmigena* Lib., *Opegrapha herbarum* Mont., *Opegrapha prosodeoides* Vain., *Opegrapha turneri* Leight.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 4259 [CDS], Bungartz, F. 5790 [CDS], Bungartz, F. 3670 [CDS], Ertz, D. 11543 [CDS], Ertz, D. 11564 [CDS], Ertz, D. 11588 [CDS], Bungartz, F. 7070 [CDS], Bungartz, F. 8390 [CDS]

Alyxoria ochrocheila (Nyl.) Ertz & Tehler

[*Opegrapha ochrocheila* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Ertz & Tehler (2010); Bungartz, F. 6913 [CDS], Bungartz, F. 3309 [CDS], Bungartz, F. 4266 [CDS], Bungartz, F. 8641 [CDS], Bungartz, F. 9422 [CDS], Bungartz, F. 9491 [CDS], Bungartz, F. 9506 [CDS], Bungartz, F. 10174 [CDS], Yánez-Ayabaca, A. 1862 [CDS], Yánez-Ayabaca, A. 1863 [CDS], Yánez-Ayabaca, A. 1865 [CDS], Nugra, F. 428 [CDS], Aptroot, A. 64622 [CDS], Spielmann, A.A. 8234 [CDS], Hillmann, G. GAL-68 [CDS], Hillmann, G. GAL-67 [CDS], Bungartz, F. 4242 [CDS], Bungartz, F. 4692 [CDS], Bungartz, F. 4838 [CDS], Hillmann, G. GAL-107 [CDS]

Alyxoria varia (Pers.) Ertz & Tehler

[*Alyxoria diaphora* (Ach.) Gray, *Alyxoria notha* (Ach.) Gray, *Graphis notha* (Ach.) Trevis., *Graphis varia* (Pers.) Branth & Rostr., *Lichen nothus* Ach., *Lichen signatus* Ach., *Opegrapha chlorina* Pers., *Opegrapha diaphora* (Ach.) Ach., *Opegrapha diaphora f. diaphora* (Ach.) Ach., *Opegrapha diaphora f. herbicola* Nyl., *Opegrapha diaphora f. signata* (Ach.) J. Nowak, *Opegrapha diaphora f. tigrina* (Ach.) J. Nowak, *Opegrapha diaphora var. chlorina* (Pers.) H. Olivier, *Opegrapha diaphora var. diaphora* (Ach.) Ach., *Opegrapha diaphora var. mexicana* B. de Lesd. ex Ruiz{?}, *Opegrapha diaphora var. signata* (Ach.) Ach., *Opegrapha diaphora var. stellata* Sántha, *Opegrapha diaphora var. tigrina* (Ach.) H. Olivier, *Opegrapha diaphora var. tridens* (Ach.) H. Olivier, *Opegrapha lichenoides* Pers., *Opegrapha lichenoides f. cerebrina* (Erichsen) J. Nowak, *Opegrapha lichenoides f. chlorina* (Pers.) Erichsen, *Opegrapha lichenoides f. lichenoides* Pers., *Opegrapha lichenoides f. octomera* Redinger, *Opegrapha lichenoides f. populina* (Moug.) Zahlbr., *Opegrapha lichenoides var. cerebrina* Erichsen, *Opegrapha lichenoides var. chlorina* (Pers.) Redinger, *Opegrapha lichenoides var. lichenoides* Pers., *Opegrapha lichenoides var. populina* (Moug.) Erichsen, *Opegrapha lichenoides var. subchondrina* Redinger, *Opegrapha notha* (Ach.) Ach., *Opegrapha notha var. notha* (Ach.) Ach., *Opegrapha notha var. populina* Moug., *Opegrapha notha var. spaniota* Ach., *Opegrapha pulicaris* (Hoffm.) Schrader, *Opegrapha pulicaris f. lutescens* (Ach.) Nyl., *Opegrapha pulicaris f. minuta* (Chevall.) H. Olivier, *Opegrapha pulicaris f. phaea* (Ach.) H. Olivier, *Opegrapha pulicaris f. pollinii* (A. Massal.) Redinger, *Opegrapha pulicaris f. pulicaris* (Hoffm.) Schrad., *Opegrapha rimalis* Pers. ex Ach., *Opegrapha rimalis var. betulina* H. Olivier, *Opegrapha rimalis var. rimalis* Ach., *Opegrapha signata* (Ach.) Ach., *Opegrapha signata var. beta* Ach., *Opegrapha signata var. signata* (Ach.) Ach., *Opegrapha signata var. tigrina* Ach., *Opegrapha tridens* Ach., *Opegrapha varia* Pers., *Opegrapha varia f. pulicaris*, *Opegrapha varia f. varia* Pers., *Opegrapha varia f. xanthocarpa* Zwackh, *Opegrapha varia var. chlorina* (Pers.) H. Olivier, *Opegrapha varia var. diaphora* (Ach.) Fr., *Opegrapha varia var. glomerulans* Müll.Arg., *Opegrapha varia var. heterocarpa* Müll.Arg., *Opegrapha varia var. lichenoides* (Pers.) Hepp, *Opegrapha varia var. notha* (Ach.) Fr., *Opegrapha varia var. phaea* (Ach.) Rabenh., *Opegrapha varia var. pulicaris* (Hoffm.) Fr., *Opegrapha varia var. rimalis* (Ach.) Fr., *Opegrapha varia var. varia*, *Scaphis notha* (Ach.) Eschw.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Ertz & Tehler (2010); Bungartz, F. 4528 [CDS], Bungartz, F. 4977 [CDS], Aptroot, A. 64344 [CDS], Aptroot, A. 64926 [CDS], Aptroot, A. 63041 [CDS], Aptroot, A. 64345 [CDS], Bungartz, F. 3708 [CDS], Bungartz, F. 4532 [CDS], Bungartz, F. 4525 [CDS], Bungartz, F. 4530 [CDS], Bungartz, F. 4968 [CDS], Aptroot, A. 64928 [CDS], Bungartz, F. 5418 [CDS], Ertz, D. 11747 [CDS], Bungartz, F. 5646 [CDS], Bungartz, F. 9804 [CDS], Bungartz, F. 9650 [CDS], Bungartz, F. 9897 [CDS], Bungartz, F. 5416 [CDS], Aptroot, A. 63044 [CDS]

Amandinea

Amandinea brugierae (Vain.) Marbach v

[*Buellia brugierae* Vain.]
source: Marbach (2000); K. Kalb 18542 [WIS]

Amandinea efflorescens (Müll. Arg.) Marbach v

[*Buellia efflorescens* Müll.Arg., *Buellia efflorescens var. diminutiva* (Vain.) Imshaug, *Buellia efflorescens var. efflorescens* Müll.Arg.]
source: Fernández-Prado et al. (2022); Bungartz, F. 8529 [CDS], Aptroot, A. 63114 [CDS], Aptroot, A. 63875 [CDS], Aptroot, A. 65622 [CDS], Bungartz, F. 3490 [CDS], Yánez-Ayabaca, A. 1806 [CDS], Bungartz, F. 10401 [CDS], Bungartz, F. 9649 [CDS], Bungartz, F. 8781 [CDS]

Amandinea errata Marbach

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 9135 [CDS]

Amandinea extenuata (Müll. Arg.) Marbach v

[*Buellia extenuata* Müll.Arg.]
source: Marbach (2000); K. Kalb 18105 [WIS], K. Kalb 18106 [WIS]

Amandinea mediospora Marbach v

Holotype WIS, Kalb 18365, source: Marbach (2000); K. Kalb 18360 [WIS], K. Kalb 18365 [WIS], K. Kalb 18665 [WIS], K. Kalb 18499 [WIS], K. Kalb 18477 [WIS], K. Kalb 16641 [WIS]

Amandinea megaspora Marbach v

Holotype WIS, Kalb & Kalb 18665, source: Marbach (2000)

Amandinea punctata (Hoffm.) Coppins & Scheid. v

[*Buellia myriocarpa* (DC.) Mudd, *Buellia myriocarpa f. crassior* Erichsen, *Buellia myriocarpa f. demissaeformis* Malme, *Buellia myriocarpa f. depauperata* (Anzi) Walt. Watson, *Buellia myriocarpa f. litoralis* Erichsen, *Buellia myriocarpa f. myriocarpa* (DC.) De Not., *Buellia myriocarpa f. rorigera* Th. Fr., *Buellia myriocarpa f. stigmatea* (Schaer.) Stein, *Buellia myriocarpa var. chloropolia* (Fr.) Th. Fr., *Buellia myriocarpa var. myriocarpa* (DC.) De Not., *Buellia myriocarpa var. pallescens* Th. Fr., *Buellia myriocarpa var. punctiformis* (Hoffm.) Mudd, *Buellia myriocarpa var. stigmatea* (Körb.) H. Olivier, *Buellia parasema var. stigmatea* (Schaer.) Flagey, *Buellia praecavenda* (Nyl. ex Cromb.) Arnold, *Buellia punctata* (Hoffm.) Mass., *Buellia punctata f. crassior* (Erichsen) Zahlbr., *Buellia punctata f. globosa* Erichsen, *Buellia punctata f. litoralis* (Erichsen) Zahlbr., *Buellia punctata f. marcidula* Zahlbr., *Buellia punctata f. micula* Erichsen, *Buellia punctata f. perminuta* (Arnold) Zahlbr., *Buellia punctata f. punctata* (Hoffm.) A. Massal., *Buellia punctata f. punctiformis* (Hoffm.) Hazsl., *Buellia punctata f. rorigera* (Th. Fr.) Zahlbr., *Buellia punctata var. aequata* (Ach.) Zahlbr., *Buellia punctata var. excelsa* (Leight.) Sheard, *Buellia punctata var. litoralis* (Erichsen) Erichsen, *Buellia punctata var. punctata* (Hoffm.) A. Massal., *Buellia punctata var. punctiformis* (Hoffm.) Oxner, *Buellia punctata var. saprophila* (Ach.) Anzi, *Buellia punctata var. stigmatea* (Schaer.) Servít & Nádv., *Buellia punctata var. virens* J. Steiner, *Buellia stigmatea f. depauperata* Anzi, *Karschia myriocarpa* (DC.) Sacc. & Traverso, *Karschia myriocarpa var. myriocarpa* (DC.) Sacc. & Traverso, *Karschia myriocarpa var. punctiformis* (Hoffm.) Sacc. & Traverso, *Karschia thalloides*, *Karschia thallophila* (Ohlert) Rehm, *Lecidea myriocarpa* (DC.) Röhl., *Lecidea myriocarpa f. areolata* Leight., *Lecidea myriocarpa f. ecrustacea* Leight., *Lecidea myriocarpa f. leprosa* Leight., *Lecidea myriocarpa f. myriocarpa* (DC.) Röhl., *Lecidea myriocarpa f. opegraphina* Leight., *Lecidea myriocarpa f. punctiformis* Hoffm., *Lecidea praecavenda* Nyl. ex Cromb., *Lecidea punctata var. stigmatea* Schaer., *Lecidella thallophila* Ohlert, *Lichen myriocarpus* (DC.) Lam., *Patellaria myriocarpa* DC., *Verrucaria punctata* Hoffm., *Verrucaria punctata var. atrosanguinea* Hoffm., *Verrucaria punctata var. punctata* Hoffm.]
source: Castillo-Monroy et al. (2016; as *Buellia* aff. *punctata*)

Amandinea subduplicata (Vain.) Marbach v

[*Buellia disciformis var. subduplicata* Vain., *Buellia subduplicata* (Vain.) Kalb]

source: Marbach (2000); K. Kalb 18557 [WIS], Arvidsson... 911 [GB]

Amandinea submontana Marbach

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 89 [HUTPL], Benítez, A. 90 [HUTPL]

Amandinea xylographella (Nyl.) Marbach

[*Buellia xylographella* (Nyl.) Zahlbr., *Lecidea xylographella* Nyl.]
preliminary identification, F. Bungartz: material needs verification; Aptroot, A. 63024 [CDS]

Amazonomyces

Amazonomyces sprucei (R. Sant.) Lücking, Sérus. & G. Thor

[*Stirtonia sprucei* R. Sant.]
source: Lücking (1999, 2008); Lücking, R. 96-935 [QCAM]

Ampliotrema

Ampliotrema amplius (Nyl.) Kalb ex Kalb

[*Ocellularia amplior* (Nyl.) Redinger, *Ocellularia cavata var. amplior* (Nyl.) Zahlbr., *Thelotrema cavatum var. amplius* Nyl.]
source: Nöske et al. (2007), Nöske & Sipman (2004)

Anaptychia

Anaptychia latifolia (Meyen & Flot.) A. Massal.

[*Anaptychia leucomelos var. latifolia* (Nyl.) Müll. Arg., *Parmelia leucomelos var. latifolia* (Nyl.) Jatta nom. illegit., *Physcia leucomelos var. latifolia* Nyl.]
problematic, name not resolved, no modern record, source: Návas (1908; as *Anaptychia leucomelos* var. *latifolia*)

Anaptychia leucomelos (L.) Vain.

[*Anaptychia 'leucomelaena'* (L.) Vain., *Anaptychia leucomelaena* (L.) Vain., *Anaptychia leucomelaena f. leucomelaena*, *Anaptychia leucomelos var. leucomelos* (L.) A. Massal., *Borrera leucomelos* (L.) Ach., *Hagenia leucomelos* (L.) Schwend., *Heterodermia leucomelaena* (L.) Poelt, *Heterodermia leucomelaena f. leucomelaena* (L.) Poelt, *Heterodermia leucomelaena subsp. leucomelaena* (L.) Poelt, *Heterodermia leucomelaena var. leucomelaena* (L.) Poelt, *Heterodermia leucomelos* (L.) Poelt, *Heterodermia leucomelos f. leucomelos* (L.) Poelt, *Heterodermia leucomelos subsp. leucomelos* (L.) Poelt, *Heterodermia leucomelos var. leucomelos* (L.) Poelt, *Leucodermia leucomelos* (L.) Kalb, *Lichen leucomelos* L., *Lobaria leucomelos* (L.) Raeusch., *Parmelia leucomelos* (L.) Ach., *Parmelia leucomelos var. leucomelos* (L.) Ach., *Parmelia speciosa var. leucomelos* (L.) Eschw., *Physcia leucomelos* (L.) Michx., *Physcia leucomelos f. leucomelos* (L.) Michx., *Physcia leucomelos var. leucomelos* (L.) Michx., *Physcia speciosa var. leucomelos* (L.) Tuck., *Teloschistes leucomelos* (L.) A. Schneid., *Xanthoria leucomelos* (L.) Horw.]

Anaptychia leucomelos var. angustifolia (Meyen & Flot.) Müll. Arg.

[*Anaptychia atrosetigera var. angustifolia* (Meyen & Flot.) Kremp., *Parmelia leucomelos var. angustifolia* Meyen & Flot., *Physcia angustifolia* (Meyen & Flot.) Nyl.]
problematic, name not resolved, no modern record, source: Müller (1879; as *Physcia leucomelos* var. *angustifolia*), Návas (1908, as *Physcia leucomelos* var. *angustifolia*)

Anaptychia leucomelos var. multifida (Meyen & Flot.) Vain.

[*Parmelia leucomelos f multifida* Meyen & Flot.]
problematic, name not resolved, only one more record by Asplund, E. 83 [MSC] is more recent than the reports by Zahlbruckner (1905, 1907), source: Zahlbruckner (1905, 1907); Asplund, E 83 [MSC]

Angiactis

Angiactis spinicola Aptroot & Sparrius

endemic to Galapagos, Holotype: Aptroot 63413 [CDS 30168], source: Aptroot et al. (2007); Aptroot, A. 63413 [CDS], Bungartz, F. 3424 [CDS], Aptroot, A. 63065 [CDS], Bungartz, F. 6333 [CDS], Ertz, D. 11532 [CDS], Ertz, D. 12041 [CDS], Bungartz, F. 7945 [CDS], Bungartz, F. 7948 [CDS], Bungartz, F. 7953 [CDS], Truong, C. 1240 [CDS], Herrera-Campos, M.A. 10732 [CDS], Bungartz, F. 8369 [CDS]

Anisomeridium

Anisomeridium albisedum (Nyl.) R.C. Harris

[*Ditremis albiseda* (Nyl.) R.C. Harris, *Verrucaria viridiseda f. albiseda* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Harris (1987); Bungartz, F. 3646 [CDS], Aptroot, A. 63017 [CDS]

Anisomeridium anisolobum (Müll.Arg.) Aptroot

[*Anisomeridium feeanum* (Müll. Arg.) R.C. Harris, *Arthopyrenia anisoloba* Müll.Arg., *Ditremis anisoloba* (Müll. Arg.) R.C. Harris]
source: Nöske et al. (2007)

Anisomeridium biforme (Borrer) R.C. Harris

[*Acrocordia biformis* (Borrer) Arnold, *Acrocordia conformis* (Nyl.) Hellb., *Amphisphaeria biformis* (Borrer) Rehm, *Arthopyrenia biformis* (Borrer) Müll. Arg., *Arthopyrenia biformis f. biformis* (Borrer) A. Massal., *Arthopyrenia biformis f. microcarpa* Erichsen, *Arthopyrenia biformis var. biformis* (Borrer) A. Massal., *Arthopyrenia biformis var. macrocarpa* (Körb.) Keissl., *Arthopyrenia byssacea* (Taylor) A.L. Sm., *Arthopyrenia conformis* (Nyl.) Müll.Arg., *Arthopyrenia conformis f. conformis* (Nyl.) Müll.Arg., *Arthopyrenia conformis f. rhypontoides* (Nyl.) Zahlbr., *Arthopyrenia parvula* Zahlbr., *Ditremis biformis* (Borrer) R.C. Harris, *Leiophloea biformis* (Borrer) Trevis., *Pharcidia thallophila* (Cooke) Vouaux, *Sagedia biformis* (Borrer) Müll. Arg., *Segestrella biformis* (Borrer) Branth & Rostr., *Sphaerella thallophila* (Cooke) Cooke, *Sphaeria thallophila* Cooke, *Thelidium biformis* (Borrer) Mudd, *Trimmatothele umbellulariae* Herre, *Verrucaria biformis* Borrer, *Verrucaria byssacea* Taylor, *Verrucaria conformis* Nyl., *Verrucaria conformis f. conformis* Nyl., *Verrucaria conformis f. rhypontoides* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Harris (1978); Bungartz, F. 4233 A [CDS]

Anisomeridium foliicola R. Sant. & Tibell

source: Lücking (1999, 2008), van den Boom et al. (2022); Robert Lücking 96-875 [INABIOEC-MECN-QCNE], Robert Lücking 96-688 [INABIOEC-MECN-QCNE], Lücking, R. 96-875 [QCAM], Lücking, R. 96-964 [QCAM], Lücking, R. 96-597 [QCAM]

Anisomeridium leptospermum (Zahlbr.) R.C. Harris

[*Arthopyrenia adnexa var. leptosperma* Zahlbr.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Harris (1995); Bungartz, F. 4150 [CDS], Bungartz, F. 4147 [CDS], Bungartz, F. 4076 [CDS], Aptroot, A. 65078 [CDS], Aptroot, A. 65049 [CDS]

Anisomeridium musaesporoides Etayo & Lücking

source: Lücking (1999, 2008)

Anisomeridium polypori (Ellis & Everh.) M. E. Barr

[*Anisomeridium juistense* (Erichsen) R.C. Harris, *Anisomeridium nyssigenum* (Ellis & Everh.) R.C. Harris, *Apiospora polypori* Ellis & Everh., *Arthopyrenia willeyana* R.C. Harris, *Ditremis nyssogena [as 'nyssaegena']* (Ellis & Everh.) R.C. Harris 1990, *Paraphysothele juistensis* (Erichsen) Servít, *Thelidium juistense* Erichsen, *Zignoëlla nyssogena* Ellis & Everh.]
* = lichenicolous fungi (parasites on living lichens); on *Sticta weigelii*, source: Etayo (2017); Bungartz, F. 4523 [CDS], Ertz, D. 11927 [CDS], Bungartz, F. 7480 [CDS], Aptroot, A. 64114 [CDS], Aptroot, A. 63059 [CDS], Aptroot, A. 65251 [CDS], Bungartz, F. 4149 [CDS], Etayo, J. 20103 [hb. Etayo], J. Etayo 20174 [hb. Etayo]

Anisomeridium robustum Orange, Coppins & Aptroot

* = lichenicolous fungi (parasites on living lichens); on *Peltigera*, source: Etayo (2017); J. Etayo 26680 [hb. Etayo]

Anisomeridium subprostans (Nyl.) R.C. Harris

[*Arthopyrenia subprostans* (Nyl.) Müll.Arg., *Ditremis subprostans* (Nyl.) R.C. Harris, *Leiophloea subprostans* (Nyl.) Trevis., *Pyrenula subprostans* (Nyl.) Tuck., *Verrucaria subprostans* Nyl.]
source: Nöske et al. (2007); Aptroot, A. 65520 [CDS], Aptroot, A. 64876 [CDS], Aptroot, A. 65624 [CDS]

Anisomeridium tamarindi (Fée) R.C. Harris

[*Ditremis tamarindi* (Fée) R.C. Harris, *Leiophloea tamarindi* (Fée) Trevis., *Porina tamarindi* (Fée) Müll.Arg., *Verrucaria tamarindi* Fée]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Harris (1980); Aptroot, A. 65066 [CDS], Miranda, R. 969 [CDS], Aptroot, A. 63049 [CDS], Bungartz, F. 9524 [CDS]

Anisomeridium truncatum (Müll. Arg.) R.C. Harris

[*Arthopyrenia truncata* Müll.Arg., *Leiophloea truncata* (Müll. Arg.) Riedl]
Klara Scharnagl 2208 [MSC]

Anisomeridium tuckerae R.C. Harris

[*Ditremis tuckerae* (R.C. Harris) R.C. Harris]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, original spelling as *A. tuckeri* is incorrect; species named after S.C. Tucker, correct spelling therefore: *A. tuckerae*, source: Elix & McCarthy (1998); Aptroot, A. 63031 [CDS], Aptroot, A. 63042 [CDS], Bungartz, F. 3801 [CDS], Bungartz, F. 3798 [CDS], Bungartz, F. 9816 [CDS], Bungartz, F. 10091 [CDS], Bungartz, F. 3799 [CDS], Bungartz, F. 5141 [CDS], Aptroot, A. 64418 [CDS], Aptroot, A. 64378 [CDS], Aptroot, A. 63129 [CDS], Aptroot, A. 63070 [CDS], Aptroot, A. 63305 [CDS], Bungartz, F. 4884 [CDS], Aptroot, A. 64603 [CDS], Bungartz, F. 9776 [CDS], Bungartz, F. 9786 [CDS]

Anomomorpha

Anomomorpha aggregans (Nyl.) Staiger

[*Graphina aggregans* (Nyl.) Zahlbr., *Graphis aggregans* Nyl.]
source: van den Boom et al. (2022)

Anomomorpha lecanorina Sipman

Holotype B, Sipman 52804, source: Lumbsch et al. (2011)

Anthracothecium

Anthracothecium macrosporum (Hepp) Müll.Arg.

source: Beítez et al. (2015), Benítez (2016); Benítez, A. 91 [HUTPL]

Anthracothecium prasinum (Eschw.) R.C. Harris

[*Acrorixis prasina* (Eschw.) Trevis., *Trypethelium pallidum* C. Knight, *Verrucaria prasina* Eschw.]
source: Fernández-Prado et al. (2022); A. Aptroot 11209 [NY]

Anzia

Anzia americana Yoshim. & Sharp

source: Nöske & Sipman (2004), Nöske et al. (2007)

Anzia dictyorhiza (Massee) Yoshim.

[*Parmelia dictyorhiza* Massee]
source: Nöske et al. (2007)

Anzia leucobates (Nyl.) Müll.Arg.

[*Parmelia leucobates* Nyl.]
source: Nöske & Sipman (2004), Nöske et al. (2007), Mandl (2007); Arvidsson... 1962 [GB], Arvidsson... 1963 [GB], Arvidsson... 1922 b [GB], Arvidsson... 4335 [GB], Arvidsson, Lars et al. 6854 [GB]

Anzia lopezii Yoshim.

Holotype GB, Ardvidsson [sic] & Nilson 1921, source: Yoshimura (1995); K. Kalb s.n. [WIS], Arvidsson, L.; Nilson, D. 1921a [GB], Arvidsson... 1922 c [GB], Arvidsson... 4146 [GB], Arvidsson... 4147 b [GB]

Anzia masonii Yoshim.

source: Yoshimura (1995), Nöske et al. (2007); Arvidsson... 1326 [GB], Arvidsson... 1691 [GB], Arvidsson... 1620 [GB], Arvidsson... 1921 b [GB], Arvidsson... 1922 a [GB], Arvidsson... 1961 b [GB], Arvidsson... 1964 a [GB], Arvidsson... 2109 [GB], Arvidsson... 3744 [GB], Arvidsson... 4148 [GB], Arvidsson... 4717 [GB], Arvidsson... 3360 [GB], Arvidsson... 4147 a [GB], Arvidsson... 4160 [GB], Arvidsson... 4298 [GB], Arvidsson, Lars et al. 7205 [GB], Arvidsson, Lars et al. 6841 [GB], Arvidsson, Lars et al. 6979 [GB]

Anzia parasitica (Fée) Zahlbr.

[*Parmelia parasitica* Fée]
source: Nöske & Sipman (2004), Nöske et al. (2007), Mandl (2007), Benítez et al. (2012, 2015); Ira L. Wiggins s.n. [COLO], Benítez, A. 92 [HUTPL], Arvidsson, Lars et al. 6839 [GB], Arvidsson, Lars et al. 6874 [GB], Arvidsson... 1923 [GB], Arvidsson... 1961 a [GB], Arvidsson... 1964 b [GB]

Aptrootia

Aptrootia terricola (Aptroot) Lücking, L. Umaña & Chaves

[*Thelenella terricola* Aptroot]
source: Déleg et al. (2021)

Arctomia

Arctomia insignis (P.M. Jørg. & Tønsberg) Ertz

[*Gabura insignis* (P.M. Jørg. & Tønsberg) Magain & Sérus., *Leptogium insigne* P.M. Jørg. & Tønsberg]
source: Jørgensen & Palice (2016)

Arctomia interfixa Nyl. ex Vain.

* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna caraccensis*, source: Etayo (2017; as *Arctomia* cf. *interfixa*); Etayo, J. 20017 [hb. Etayo]

Arthonia

Arthonia accolens Stirt.

[*Arthoniopsis accolens* (Stirt.) Müll. Arg.]
source: Lücking (1999, 2008); Robert Lücking 96-463 [INABIOEC-MECN-QCNE], Robert Lücking 96-761 [INABIOEC-MECN-QCNE], Robert Lücking 96-974 [INABIOEC-MECN-QCNE], Lücking, R. 96-81 [QCAM], Lücking, R. 96-760 [QCAM], Lücking, R. 96-939 [QCAM]

Arthonia aciniformis Stirt.

[*Arthoniopsis aciniformis* (Stirt.) Müll. Arg.]
source: Lücking & Matzer (2001), Lücking (1999, 2008); Lücking, R. 96-941 [QCAM]

Arthonia anglica Coppins

source: van den Boom et al. (2022)

Arthonia antillarum (Fée) Nyl.

[*Catenata antillarum* (Fée) Bat., *Coniocarpon antillarum* Fée]
preliminary identification, source: Benítez (2016), Benítez et al. (2019; as *Arthonia* aff. *antillarum* and *Arthonia antillarum*); Aptroot, A. 63007 [CDS], Bungartz, F. 3390 [CDS], Bungartz, F. 3771 [CDS], Ertz, D. 11684 [CDS], Bungartz, F. 3768 [CDS], Bungartz, F. 8325 [CDS], Bungartz, F. 7051 [CDS], Bungartz, F. 5284 [CDS], Herrera-Campos, M.A. 10691 [CDS], Bungartz, F. 8326 [CDS], Aptroot, A. 64420 [CDS], Bungartz, F. 3772 [CDS], Bungartz, F. 6626 [CDS], Bungartz, F. 3776 [CDS], Bungartz, F. 3723 [CDS], Aptroot, A. 64419 [CDS], Aptroot, A. 65183 [CDS], Clerc, P. 08-233 [CDS], Aptroot, A. 63399 [CDS], Bungartz, F. 8327 [CDS], Tehler, A. 8620 [CDS], Jaramillo, P. 3012 [CDS], Bungartz, F. 6065 [CDS], Bungartz, F. 6071 [CDS], Bungartz, F. 3797 [CDS], Bungartz, F. 6457 [CDS], Bungartz, F. 4905 [CDS], Aptroot, A. 64907 [CDS], Aptroot, A. 65090 [CDS], Bungartz, F. 5173 [CDS], Ertz, D. 11755 [CDS], Bungartz, F. 5419 [CDS], Bungartz, F. 4631 [CDS], Aptroot, A. 64409 A [CDS], Bungartz, F. 3844 [CDS], Bungartz, F. 4601 [CDS], Bungartz, F. 8239 [CDS], Bungartz, F. 6351 [CDS], Bungartz, F. 3540 [CDS], Bungartz, F. 3774 [CDS], Bungartz, F. 3425 [CDS], Bungartz, F. 3906 [CDS], Bungartz, F. 4473 [CDS], Bungartz, F. 4246 [CDS], Weber, W.A. s.n. [CDS], Aptroot, A. 64954 [CDS], Aptroot, A. 64409 B [CDS], Aptroot, A. 63043 [CDS], Aptroot, A. 63930 [CDS], Aptroot, A. 64427 [CDS], Ertz, D. 11595 [CDS], Clerc, P. 08-226 [CDS], Bungartz, F. 8370 [CDS], Bungartz, F. 4970 [CDS], Bungartz, F. 6912 [CDS], Bungartz, F. 3842 [CDS], Bungartz, F. 4245 [CDS], Aptroot, A. 64502 [CDS], Bungartz, F. 4220 [CDS], Bungartz, F. 3321 [CDS], Yánez-Ayabaca, A. 1559 [CDS], Bungartz, F. 9400 [CDS], Bungartz, F. 9537 [CDS], Bungartz, F. 9919 [CDS], Bungartz, F. 10098 [CDS], Yánez-Ayabaca, A. 1974 [CDS], Bungartz, F. 9728 B [CDS]

Arthonia catillarioides Etayo

* = lichenicolous fungi (parasites on living lichens); on *Sticta weigelii*, Holotype QCA, Etayo 17324, source: Etayo (2017); Etayo, J. 17326 [hb. Etayo], Etayo, J. 20013 [hb. Etayo], Etayo, J. 17324 [hb. Etayo]

Arthonia conferta (Fée) Nyl.

[*Coniocarpon confertum* Fée]
preliminary identification, source: Benítez et al. (2019; as *Arthonia* aff. *conferta*)

Arthonia cyanea Müll. Arg.

[*Arthoniopsis cyanea* (Müll. Arg.) Müll. Arg.]
source: Lücking (1999, 2008), van den Boom et al. (2022); Bungartz, F. 7080 A [CDS], Lücking, R. 96-465 [QCAM], Lücking, R. 96-764 [QCAM]

Arthonia darbishirei Follmann & B. Werner

problematic, name not resolved; only known from the type; Holotype BRIST [colln Darbishire], Hill Jun. 1872, source: Follmann & Werner (2003)

Arthonia digitispora Etayo

* = lichenicolous fungi (parasites on living lichens); on *Sticta wegelii*, *Sticta* sp. & *Sticta* cf. *filix*, source: Etayo (2017); Etayo, J. 20003 [hb. Etayo], Etayo, J. 20054 [hb. Etayo], Etayo, J. 25379 [hb. Etayo], Etayo, J. 25798 [hb. Etayo], Etayo, J. 25865 [hb. Etayo], Etayo, J. 25882 [hb. Etayo]

Arthonia epiphyscia Nyl.

* = lichenicolous fungi (parasites on living lichens); on *Physica*, source: Etayo (2017), van den Boom et al. (2022); Etayo, J. 27038 [hb. Etayo]

Arthonia excentrica Th. Fr.

* = lichenicolous fungi (parasites on living lichens); on *Leprocaulon grascilescens* & *Leprocaulon* sp., source: Etayo (2017); Etayo, J. 27017 [hb. Etayo]

Arthonia follmanniana Diederich

* = lichenicolous fungi (parasites on living lichens); on *Roccella*, source: Diedrich (1995), Elix & McCarthy (1998), Etayo (2017)

Arthonia fuscopurpurea (Tul.) R. Sant.

[*Biatorina epiphorbia* (Stirt.) Arnold, *Celidium fuscopurpureum* Tul., *Karschia epiphorbia* (Leight.) Zopf, *Lecidea epiphorbia* Leight., *Scutula fuscopurpurea* (Tul.) Rehm]
* = lichenicolous fungi (parasites on living lichens); on *Peltigera*, source: Etayo (2017); Etayo, J. 20181 [hb. Etayo]

Arthonia gelidae R. Sant.

* = lichenicolous fungi (parasites on living lichens); on *Placopsis* sp., source: Etayo (2017); K. Kalb 19256 [WIS], J. Etayo 19925 [hb. Etayo], J. Etayo 26305 [hb. Etayo]

Arthonia glebosa Tuck.

source: Sklenář et al. (2010); R. C. Harris 17403 [NY], R. C. Harris 17415 [NY], R. C. Harris 17418 [NY], K. Kalb, A. Kalb 16653 [O]

Arthonia heterodermiae Etayo

* = lichenicolous fungi (parasites on living lichens); on *Heterodermia comosa* and *Leucodermia leucomelos*, Holotype QCA, Etayo 20092, source: Etayo (2017); Etayo, J. 20092 [hb. Etayo], Etayo, J. 25903 [hb. Etayo]

Arthonia ilicina Taylor

[*Arthothelium ilicinum* (Taylor) P. James, *Arthothelium ilicinum var. ilicinum* (Taylor) P. James]
source: Nöske & Sipman (2004), Nöske (2005; as *A.* cf. *ilicina*), Nöske et al. (2007)

Arthonia leptosperma (Müll.Arg.) R. Sant.

[*Arthoniopsis leptosperma* Müll. Arg., *Conidomyces leptospermus* (Müll. Arg.) Bat., *Merarthonis leptosperma* (Müll. Arg.) Clem.]
source: Lücking & Matzer (2001), Lücking (1999, 2008); Robert Lücking 96-938 [INABIOEC-MECN-QCNE], Lücking, R. 96-754 [QCAM], Lücking, R. 96-957 [QCAM]

Arthonia lobariellae Etayo

* = lichenicolous fungi (parasites on living lichens); on *Lobariella pallida*, Holotype COL, Etayo 15916, source: Etayo (2017); Etayo, J. 25617 [hb. Etayo]

Arthonia molendoi (Heufl. ex Arnold) R. Sant.

[*Bryostigma molendoi* (Heufl. ex Arnold) S.Y. Kondr. & Hur, *Conida clemens f. molendoi* (Heufl. ex Arnold) Arnold, *Tichothecium molendoi* Heufl. ex Arnold]
* = lichenicolous fungi (parasites on living lichens); on *Caloplaca*, source: Etayo (2017)

Arthonia nivea Willey

preliminary identification, Weber (1986) doubts this determination, source: Wiley (1890), Weber (1986)

Arthonia orbignyae (H.B.P. Upadhyay) Matzer

[*Arthonia opegraphina* Lücking nom. illegit., *Opegrapha orbignyae* H.B.P. Upadhyay]
source: Lücking (1999; as *Arthonia opegraphina* Lücking nom. illegit.), Lücking (2008)

Arthonia orbignyae Bat. & J.L. Bezerra nom. inval.

Lücking, R. 96-928 [QCAM]

Arthonia palmulacea (Müll.Arg.) R. Sant.

[*Arthoniopsis palmulacea* Müll.Arg., *Eremothecella palmulacea* (Müll.Arg.) Serus.]
source: Lücking (1999, 2008); Lücking, R. 96-942 [QCAM]

Arthonia parantillarum Aptroot

preliminary identification, F. Bungartz: Galapagos specimens identified as *A. antillarum* and *A. parantillarum* appear to have a chemistry not identical to what has been reported for these two species; the groups requires more research, source: Aptroot (2003); Bungartz, F. 3383 [CDS], Bungartz, F. 6143 [CDS], Aptroot, A. 65384 [CDS], Bungartz, F. 6341 [CDS], Aptroot, A. 64383 [CDS]

Arthonia phaeophysciae Grube & Matzer

* = lichenicolous fungi (parasites on living lichens); on *Phaeophyscia* cf. *orbicularis*, source: Etayo (2017), van den Boom et al. (2022); Etayo, J. 25441 [hb. Etayo], Etayo, J. 25478 [hb. Etayo]

Arthonia platygraphidea Nyl.

problematic, name not resolved, no modern record, source: Nylander (1863)

Arthonia platyspilea Nyl.

preliminary identification, Weber (1986) erroneously reports the species as endemic, even though the protologue in Nylander (1863, p. 480, footnote no. 1) cites a specimen from Mexico near Tampico, collected on *Rhiozophora mangle* by Uzac, which must be considered the type. Zahlbruckner, A. Catalogus Lichenum Universalis 2: 75 (1923–1924) further reports the from the Antilles, Mexico, and Florida; Galapagos material is possibly identical with either *Arthonia antillarum* or *A. parantillarum* (FH 197370, 197374, 197375, 197380); Galapagos: Hassler Expedition (Willey 1890); Gardner: Snodgrass & Heller (Farlow 1902); check fluorescence, both *A. antillarum* and *A. parantillarum* are younger names and depending on UV reaction might have to be reduced to synonymy, source: Elix & McCarthy (1998), Farlow (1902), Nylander (1863), Stewart (1912), Weber (1966, 1981, 1986)

Arthonia pseudopegraphina Matzer v

* = lichenicolous fungi (parasites on living lichens); on *Mazosia rubropunctata*, source: Lücking (1999), Etayo (2017); Lücking, R. 96-929 [QCAM]

Arthonia rubella (Fée) Nyl. v

[*Graphis rubella* Fée]
source: van den Boom et al. (2022)

Arthonia sanguinea Willey

[*Arthothelium sanguineum* (Willey) Zahlbr.]
preliminary identification, F. Bungartz: material needs verification; Aptroot, A. 64733 [CDS]

Arthonia speciosa (Müll. Arg.) Grube v

[*Arthonia cinnabarina var. speciosa* (Müll. Arg.) Zahlbr., *Arthonia gregaria var. speciosa* Müll. Arg.]
native, indigenous, source: Grube (2007); Nugra, F. 905 [CDS], Yánez-Ayabaca, A. 1596 [CDS], Yánez-Ayabaca, A. 1597 [CDS], Yánez-Ayabaca, A. 1645 [CDS], Yánez-Ayabaca, A. 1720 [CDS], Bungartz, F. 8960 [CDS], Bungartz, F. 9016 [CDS], Bungartz, F. 9019 [CDS], Bungartz, F. 9054 [CDS], Bungartz, F. 9062 [CDS], Bungartz, F. 9202 [CDS], Bungartz, F. 9218 [CDS], Bungartz, F. 9527 [CDS], Bungartz, F. 9558 [CDS], Bungartz, F. 9754 [CDS], Bungartz, F. 9905 [CDS], Bungartz, F. 9912 [CDS], Bungartz, F. 9916 [CDS], Yánez-Ayabaca, A. 1891 [CDS], Yánez-Ayabaca, A. 2038 [CDS]

Arthonia stellaris Krempelh. v

source: van den Boom et al. (2022)

Arthonia stereocaulina (Ohlert) R. Sant. v

[*Arthonia nephromiaria var. stereocaulina* Ohlert]
* = lichenicolous fungi (parasites on living lichens); on *Stereocaulon*, source: Etayo (2017); Etayo, J. 27008 [hb. Etayo]

Arthonia tavaresii Grube & Hafellner v

* = lichenicolous fungi (parasites on living lichens); on *Pyrenula pyrenuloides*, source: Etayo (2017)

Arthonia tremelloides Etayo v

* = lichenicolous fungi (parasites on living lichens); on *Heterodermia* sp., source: Etayo (2017); Etayo, J. 20096 [hb. Etayo], J. Etayo 25333 [hb. Etayo]

Arthonia trilocularis Müll. Arg. v

[*Arthoniopsis trilocularis* (Müll. Arg.) Müll. Arg.]
source: Lücking (1999, 2008); Lücking, R. 96-940 [QCAM]

Arthopyrenia

Arthopyrenia cerasi (Schrader) A. Massal.

[*Arthopyrenia crombiei* A.L. Sm., *Endophis cerasi* (Schrad.) Norman, *Metasphaeria cerasi* (Schrad.) Vain., *Pseudosagedia cerasi* (Schrad.) M. Choisy, *Pyrenula cerasi* (Schrad.) Trevis., *Spermatodium cerasi* (Schrad.) Trevis., *Verrucaria cerasi* Schrad.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Massal (1852); Aptroot, A. 65052 [CDS], Aptroot, A. 65061 B [CDS]

Arthotheliopsis

Arthotheliopsis hymenocarpoides Vain. v

source: van den Boom et al. (2022)

Arthotheliopsis planicarpa (Lücking) Lücking, Sérus. & Vězda v

[*Tricharia planicarpa* Lücking]
source: Lücking (1999, 2008)

Arthotheliopsis serusiauxii (Lücking) Lücking, Sérus. & Vězda v

[*Echinoplaca serusiauxii* Lücking]
source: Lücking (1999, 2008); R. Lücking 96-1085 [WIS], R. Lücking 96-1085 [F]

Arthotheliopsis trichariodes (Kalb & Vězda) Lücking, Sérus. & Vězda v

[*Echinoplaca trichariodes* Kalb & Vězda]
source: Lücking (1999, 2008)

Arthothelium

Arthothelium cinerascens (Kremp.) Zahlbr. v

[*Arthonia cinerascens* Kremp.]
K. Kalb 19450 [WIS]

Arthothelium galapagoense Huneck & Follmann

endemic to Galapagos, Type: Ecuador. Galápagos: Isla Santa Cruz, Academy Bay about 0.5 mi E of Darwin Station, on rock, 20-Feb-1964, Weber, W.A. s.n. (B–22064 – holotype designated by Huneck & Follmann 1969; COLO 185868 (L-39131) – isotype!; further isotypes also distributed as Weber, Lich. Exs. [Boulder (Colorado)] no. 113), source: Huneck & Follmann (1969), Weber (1981, 1986), Elix & McCarthy (1998); Weber, W.A. s.n. [CDS], Aptroot, A. 63729 [CDS], Aptroot, A. 63260 [CDS], Aptroot, A. 63273 [CDS], Bungartz, F. 6441 [CDS], Bungartz, F. 5383 [CDS], Bungartz, F. 6169 [CDS], Bungartz, F. 6101 [CDS], Bungartz, F. 4505 [CDS], Bungartz, F. 5019 [CDS], Aptroot, A. 64120 [CDS], Bungartz, F. 6410 [CDS], Aptroot, A. 65008 [CDS], Bungartz, F. 6104 [CDS], Bungartz, F. 6054 [CDS], Bungartz, F. 5312 [CDS], Aptroot, A. 63694 [CDS], Aptroot, A. 64364 [CDS], Bungartz, F. 5948 [CDS], Bungartz, F. 6703 [CDS], Aptroot, A. 65754 [CDS], Bungartz, F. 4784 [CDS], Bungartz, F. 3763 [CDS], Aptroot, A. 64449 [CDS], Weber, W.A. s.n. [CDS], Bungartz, F. 3413 [CDS], Bungartz, F. 6945 [CDS], Bungartz, F. 7034 [CDS], Ertz, D. 11607 [CDS], Ertz, D. 11652 [CDS], Ertz, D. 11654 [CDS], Nugra, F. 485 [CDS], Bungartz, F. 7248 [CDS], Bungartz, F. 7430 [CDS], Bungartz, F. 7431 [CDS], Bungartz, F. 7598 [CDS], Jaramillo, P. 3025 A [CDS], Jaramillo, P. 3026 [CDS], Truong, C. 1486 [CDS], Tehler, A. 8605 [CDS], Jonitz, H. 15 [CDS], Yánez-Ayabaca, A. 1579 [CDS], Yánez-Ayabaca, A. 1580 B [CDS], Yánez-Ayabaca, A. 1630 [CDS], Yánez-Ayabaca, A. 1653 [CDS], Yánez-Ayabaca, A. 1707 [CDS], Bungartz, F. 8835 [CDS], Bungartz, F. 8854 [CDS], Bungartz, F. 8876 [CDS], Bungartz, F. 8992 [CDS], Bungartz, F. 9176 [CDS], Bungartz, F. 9247 [CDS], Bungartz, F. 9609 [CDS], Bungartz, F. 9822 [CDS], Bungartz, F. 9867 [CDS], Bungartz, F. 9970 [CDS], Bungartz, F. 9762 [CDS], Bungartz, F. 8739 [CDS], Bungartz, F. 6308 [CDS], Jonitz, H. 25 C [CDS], Bungartz, F. 4854 [CDS], Bungartz, F. 4765 [CDS]

Arthrorhaphis

Arthrorhaphis alpina (Schaer.) R. Sant. v

[*Arthrorhaphis citrinella var. alpina* (Schaer.) Poelt, *Bacidia alpina* (Schaer.) Vain., *Bacidia citrinella subsp. alpina* (Schaer.) J.R. Laundon, *Bacidia flavovirescens var. alpina* (Schaer.) A.L. Sm., *Lecidea flavovirescens var. alpina* Schaer.]
source: González et al. (2017a, b), van den Boom et al. (2022); Aptroot, A. 63653 [CDS], Etayo, J. 25664 [hb. Etayo], Palice, Z. 2565 [QCAM]

Arthrorhaphis citrinella (Ach.) Poelt v

[*Arthrorhaphis flavovirescens* (A. Massal.) Th. Fr., *Bacidia citrinella* (Ach.) Branth & Rostr., *Bacidia citrinella subsp. citrinella* (Ach.) Branth & Rostr., *Bacidia citrinella var. alpina* (Schaer.) Boistel, *Bacidia citrinella var. arenicola* (Nyl.) Poelt, *Bacidia flavovirescens* (A. Massal.) Anzi, *Bacidia flavovirescens var. flavovirescens* (Dicks.) Anzi, *Catolechia flavovirescens* (A. Massal.) Flot., *Lecanactis citrinella* (Ach.) H. Olivier, *Lecidea citrinella* (Ach.) Ach., *Lecidea citrinella f. citrinella* (Ach.) Ach., *Lecidea flavovirescens* Borrer nom. illegit., *Lecidea flavovirescens var. flavovirescens* (Dicks.) Borrer, *Lichen citrinellus* Ach., *Mycobacidia citrinella* (Ach.) Dalla Torre & Sarnth., *Mycobacidia flavovirescens* (A. Massal.) Rehm, *Pragmopora flavovirescens* (A. Massal.) J. Schröt., *Raphiospora flavovirescens* A. Massal., *Scoliciosporum flavovirescens* (A. Massal.) Jatta, *Secoliga flavovirescens* (A. Massal.) Stizenb., *Skolekites citrinellus* (Ach.) Norman]
Arvidsson, Lars et al. 6200 [GB]

Arthrorhaphis phyllobaeis Etayo & Palice v

* = lichenicolous fungi (parasites on living lichens); on *Phyllobaeis imbricata*, Holotype PRA, Palice 4536, source: Etayo (2017); Etayo, J. 20051 [hb. Etayo]

Aspidothelium

Aspidothelium arachnoideum Lücking v

source: Lücking (2008); Lücking, R. 96-882 [QCAM]

Aspidothelium cinerascens Vain. v

[*Thelenella cinerascens* (Müll. Arg.) R.C. Harris]
source: Lücking (1999, 2008), Nöske et al. (2007); Ertz, D. 11726 [CDS], Bungartz, F. 7289 [CDS], Bungartz, F. 7311 [CDS], Bungartz, F. 4123 [CDS], Etayo, J. 19945 [hb. Etayo], Lücking, R. 96-257 [QCAM]

Aspidothelium glabrum Lücking, Aptroot & Sipman

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 65316 [CDS], Bungartz, F. 9672 [CDS], Aptroot, A. 65327 [CDS]

Aspidothelium macrosporum (Müll. Arg.) Lücking v

[*Phylloporina macrospora* Müll.Arg., *Porina macrospora* (Müll. Arg.) F. Schill.]
source: Lücking (2008), van den Boom et al. (2022)

Aspidothelium mirabile Lücking v

Holotype QCA, Lücking 96-316, source: Lücking (1999, 2008)

Aspidothelium ornatum Lücking v

Holotype QCA, Lücking 96-330, source: Lücking (1999, 2008), van den Boom et al. (2022); R. Lücking 96-330 [WIS], R. Lücking 96-330 [F], Robert Lücking 180 [UPS], Robert Lücking 96-315 [INABIOEC-MECN-QCNE], Lücking, R. 96-335 [QCAM]

Aspidothelium papillicarpum Lücking v

source: Lücking (2008); Lücking, R. 96-872 [QCAM]

Aspidothelium scutellicarpum Lücking v

source: Lücking (1999, 2008), van den Boom et al. (2022); R. Lücking 96-331 [WIS], R. Lücking 96-331 [F], Robert Lücking 181 [UPS], Lucking, R. 96-331 [CANB], Robert Lücking 96-318 [INABIOEC-MECN-QCNE], Lücking, R. 96-881 [QCAM]

Aspidothelium trichothelioides Sérus. & Vězda v

[*Thelenella trichothelioides* (Sérus. & Vězda) R.C. Harris]
source: Lücking (1999, 2008); Lücking, R. 96-1095 [QCAM]

Asteristion

Asteristion platycarpum (Tuck.) I. Medeiros, Lücking & Lumbsch v

[*Chapsa platycarpa* (Tuck.) Frisch, *Phaeotrema platycarpum* (Tuck.) Zahlbr., *Thelotrema platycarpum* Tuck.]
source: Fernández-Prado et al. (2022)

Asterothyrium

Asterothyrium argenteum Müll.Arg. v

source: Lücking (1999, 2008), van den Boom et al. (2022); Lücking, R. 96-1207 [QCAM]

Asterothyrium aulaxinoides Lücking v

source: Lücking (1999, 2008), van den Boom et al. (2022); Lücking, R. 96-301 [QCAM]

Asterothyrium gigantosporum Lücking v

Holotype QCNE, Lücking 96-337, source: Lücking (1999, 2008); R. Lücking 96-337 [INABIOEC-MECN-QCNE], Lücking, R. 96-337 [INABIOEC-MECN-QCNE]

Asterothyrium leucophthalmum (Müll.Arg.) R. Sant. v

[*Mazosia leucophthalma* (Müll.Arg.) Zahlbr., *Platygrapha leucophthalma* Müll. Arg., *Rotula leucophthalma* (Müll.Arg.) Müll.Arg.]
source: Lücking (1999, 2008); Lücking, R. 96-214 [QCAM], Lücking, R. 96-339 [QCAM]

Asterothyrium longisporum Lücking v

Holotype QCNE, Lücking 96-303, source: Lücking (1999, 2008); R. Lücking 96-303 [INABIOEC-MECN-QCNE], Lücking, R. 96-303 [INABIOEC-MECN-QCNE], Lücking, R. 96-266 [QCAM]

Asterothyrium microsporum R. Sant. v

source: Lücking (1999; as *Asterothyrium* cf. *microsporum*), Lücking (2008); Lücking, R. 96-111 [QCAM], Lücking, R. 96-300 [QCAM]

Asterothyrium monosporum Müll.Arg. v

source: Lücking (1999, 2008); Lücking, R. 96-112 [QCAM], Lücking, R. 96-1183 [QCAM]

Asterothyrium pittieri Müll.Arg. v

source: Lücking (1999, 2008), van den Boom et al. (2022); R. Lücking s.n. [WIS], R. Lücking s.n. [F], Lücking, R. 96-113 [QCAM], Lücking, R. 96-216 [QCAM], Lücking, R. 96-305 [QCAM], Lücking, R. 96-307 [QCAM], Lücking, R. 96-308 [QCAM], Lücking, R. 96-310 [QCAM]

Asterothyrium rondoniense Bat. & H. Maia ex Henssen & Lücking v

source: Lücking (1999, 2008), van den Boom et al. (2022); Lücking, R. 96-302 [QCAM]

Asterothyrium rotuliforme (Müll.Arg.) Serus. v

[*Gyalectidium rotuliforme* Müll.Arg., *Lopadiopsis floridana* Zahlbr.]
source: Lücking (1999, 2008); Rivas Plata, E. 4082 A [CDS], Spielmann, A.A. 8241 F [CDS], Spielmann, A.A. 8239 C [CDS], Nugra, F. 910 D3 [CDS], Nugra, F. 910 C2 [CDS], Nugra, F. 910 B2 [CDS], Lücking, R. 96-240 [QCAM]

Asterothyrium tetrasporum Lücking v

source: Lücking (1999, 2008)

Asterothyrium umbilicatum (Müll.Arg.) Müll.Arg. v

[*Strigula umbilicata* Müll.Arg.]
source: Lücking (1999, 2008)

Asterothyrium uniseptatum Lücking

source: Lücking (1999, 2008), van den Boom et al. (2022)

Astrothelium

Astrothelium acrophaeum Müll.Arg.

[*Pleurotrema acrophaeum* (Müll. Arg.) R.C. Harris, *Trypethelium acrophaeum* Nyl.]
Klara Scharnagl 1847 [MSC], Klara Scharnagl 2068 [MSC], Klara Scharnagl 2174 [MSC]

Astrothelium aeneum (Eschw.) Aptroot & Lücking

[*Pseudopyrenula aenea* (Eschw.) Vain., *Pseudopyrenula heterochroa* (Mont.) Vain., *Pyrenula heterochroa* (Mont.) Trevis., *Segestria heterochroa* (Mont.) Trevis., *Spermatodium croceum* Trevis., *Trypethelium aeneum* (Eschw.) Zahlbr., *Verrucaria heterochroa* Mont.]
source: Nöske et al. (2007), Aptroot et al. (2016), Fernández-Prado et al. (2022); Aptroot, A. 64774 [CDS], Aptroot, A. 64905 [CDS], Aptroot, A. 65605 [CDS], Bungartz, F. 7829 [CDS], Bungartz, F. 8404 [CDS]

Astrothelium annulare (Fée) Aptroot & Lücking

[*Pseudopyrenula annularis* (Fée) Müll. Arg., *Pseudopyrenula myriomma* (Nyl.) Zahlbr., *Pyrenula annularis* Fée, *Trypethelium annulare* Mont., *Trypethelium exasperatum* (Zenker) Zahlbr., *Verrucaria annularis* (Fée) Spreng., *Verrucaria exasperata* Zenker, *Verrucaria myriomma* Nyl.]
parasitized by *Paragyalideopsis minuta*, source: Etayo (2017); Etayo, J. 20154 [hb. Etayo]

Astrothelium condoricum Aptroot

Holotype ABL, Aptroot 10452, source: Aptroot et al. (2016)

Astrothelium crassum (Fée) Aptroot

[*Astrothelium clandestinum* (Fée) Nyl., *Astrothelium confusum* Müll.Arg., *Polyblastia clandestina* (Fée) Trevis., *Pyrenastrum clandestinum* (Fée) Müll.Arg., *Pyrenodium crassum* (Fée) Fée, *Trypethelium clandestinum* Fée, *Trypethelium crassum* Fée, *Trypethelium crassum var. crassum* Fée]
R. C. Harris 17864 [US], Harris, R.C. 17864 [QCAM]

Astrothelium degenerans (Vain.) Aptroot & Lücking

[*Bathelium degenerans* (Vain.) R.C. Harris, *Pseudopyrenula degenerans* Vain., *Trypethelium degenerans* (Vain.) Zahlbr.]
source: Aptroot et al. (2016), Benítez (2016), Benítez et al. (2019); Bungartz, F. 5707 [CDS], Bungartz, F. 6256 [CDS], Aptroot, A. 64063 [CDS], Aptroot, A. 64971 [CDS], Aptroot, A. 65595 [CDS], Bungartz, F. 5085 [CDS], Bungartz, F. 4348 [CDS], Aptroot, A. 65453 [CDS], Bungartz, F. 5838 [CDS], Bungartz, F. 6623 [CDS], Nugra, F. 5 [CDS], Bungartz, F. 6973 [CDS], Bungartz, F. 6981 [CDS], Bungartz, F. 7888 [CDS], Ertz, D. 12023 B [CDS], Nugra, F. 585 [CDS], Truong, C. 1273 [CDS], Herrera-Campos, M.A. 10681 [CDS], Herrera-Campos, M.A. 10734 [CDS], Herrera-Campos, M.A. 10758 [CDS], Bungartz, F. 8324 [CDS], Bungartz, F. 8406 [CDS], Hillmann, G. GAL-5 B [CDS], Hillmann, G. GAL-43 [CDS], Rivas Plata, E. 4066 [CDS], Miranda, R. 964 [CDS], Bungartz, F. 9252 [CDS], Bungartz, F. 9323 [CDS], Bungartz, F. 9329 [CDS], Bungartz, F. 9464 [CDS], Bungartz, F. 9842 [CDS], Bungartz, F. 9950 [CDS], Bungartz, F. 10158 [CDS], Bungartz, F. 10162 [CDS], Yánez-Ayabaca, A. 1848 [CDS], Yánez-Ayabaca, A. 2134 [CDS], Hillmann, G. GAL-5 B [CDS], Rivas Plata, E. 4065 [CDS]

Astrothelium ecuadorense Aptroot

Holotype B, Sipman 52318, source: Aptroot et al. (2016)

Astrothelium eustomum (Mont.) Müll.Arg.

[*Astrothelium acroleucum* Malme, *Pyrenastrum eustomum* Mont.]
Harris, R.C. 17908 [QCAM]

Astrothelium feei (C. F. W. Meissn.) Aptroot & Lücking

[*Bathelium feei* (C.F.W. Meissn.) Aptroot, *Trypethelium feei* C.F.W. Meissn., *Trypethelium mastoideum var. macerum* Müll.Arg., *Trypethelium scoria var. feei* (C.F.W. Meissn.) Trevis.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Aptroot et al. (2016); Aptroot, A. 64713 [CDS], Aptroot, A. 63754 [CDS], Aptroot, A. 64241 [CDS], Clerc, P. 08-136 [CDS], Herrera-Campos, M.A. 10805 [CDS]

Astrothelium flavomaculatum Aptroot

Holotype hb. Aptroot, Aptroot 10452, source: Aptroot et al. (2016)

Astrothelium flavomeristosporum Aptroot

source: Aptroot et al. (2016)

Astrothelium flavostiolatum Aptroot

Holotype B, Sipman 52934, source: Aptroot et al. (2016)

Astrothelium lucidomedullatum Aptroot

Holotype B, Sipman 52318a, source: Aptroot et al. (2016)

Astrothelium macrocarpum (Fée) Aptroot & Lücking

[*Astrothelium conicum var. pallidum* Müll. Arg., *Astrothelium galbineum* Krempelh., *Astrothelium hypoxylon var. macrocarpum* (Fée) Nyl., *Astrothelium ochrothelioides* Vain., *Astrothelium ochrothelizum* Müll.Arg., *Astrothelium sulphureum var. macrocarpum* (Fée) Nyl., *Porina macrocarpa* Fée, *Porophora macrocarpa* (Fée) Spreng., *Pyrenula macrocarpa* A. Massal., *Trypethelium discolor* Müll.Arg., *Trypethelium ochrothelizum* (Müll. Arg.) Nyl.]
source: Benítez et al. (2015), Benítez (2016), Fernández-Prado et al. (2022), van den Boom et al. (2022); Benítez, A. 385 [HUTPL], Benítez, A. 386 [HUTPL], Benítez, A. 387 [HUTPL], Benítez, A. 388 [HUTPL]

Astrothelium nitidiusculum (Nyl.) Aptroot & Lücking

[*Pseudopyrenula neglecta* Müll.Arg., *Pseudopyrenula nitidiuscula* (Nyl.) Müll.Arg., *Trypethelium catervarium* auct., *Trypethelium catervarium var. catervarium* (Fée) Tuck., *Trypethelium nitidiusculum* (Nyl.) R.C. Harris, *Verrucaria nitidiuscula* Nyl.]
parasitized by *Tremella harrisii*, source: Aptroot et al. (2016), van den Boom et al. (2022), Etayo (2017); Aptroot, A. 64763 [CDS], Bungartz, F. 5822 [CDS], Aptroot, A. 64065 [CDS], Aptroot, A. 64865 [CDS], Aptroot, A. 64298 B [CDS], Rivas Plata, E. 4043 [CDS], Etayo, J. 19992 [hb. Etayo]

Astrothelium phlyctaena (Fée) Aptroot & Lücking

[*Bathelium duplex* (Fée) C.W. Dodge, *Bathelium subalbens* (Nyl.) C.W. Dodge, *Melanotheca duplex* (Fée) Müll. Arg., *Phyllopyrenia tessellata* C.W. Dodge, *Pseudopyrenula catervaria* (Fée) Müll.Arg., *Pseudopyrenula duplex* (Fée) Vain., *Pseudopyrenula ochroleuca* (Eschw.) Vain., *Pseudopyrenula tessella* (Pers.) P.W. Graff, *Pyrenula catervaria* (Fée) A. Massal., *Spermatodium catervarium* (Fée) Trevis., *Spermatodium ochroleucum* (Eschw.) Trevis., *Trypethelium cascarillae* Müll.Arg., *Trypethelium duplex* Fée, *Trypethelium duplex f. duplex* Fée, *Trypethelium euporum* Kremp., *Trypethelium leprieurii* Mont., *Trypethelium leprosum* Müll.Arg., *Trypethelium ochroleucum* (Eschw.) Nyl., *Trypethelium ochroleucum var. depauperatum* Müll.Arg., *Trypethelium ochroleucum var. ochroleucum* (Eschw.) Nyl., *Trypethelium ochroleucum var. pallescens* (Fée) Müll.Arg., *Trypethelium pallescens* Fée, *Trypethelium phlyctaena* Fée, *Trypethelium quassiicola* Fée, *Trypethelium subalbens* Nyl., *Trypethelium triplex* Nyl., *Verrucaria catervaria* Fée, *Verrucaria decolorata* Fée, *Verrucaria ochroleuca* Eschw., *Verrucaria tessellata* (C.W.Dodge) Øvstedal]
source: Fernández-Prado et al. (2022); Aptroot, A. 63108 [CDS], Bungartz, F. 3922 [CDS], Aptroot, A. 64760 [CDS], Bungartz, F. 3544 [CDS], Bungartz, F. 5708 [CDS], Bungartz, F. 3360 [CDS], Aptroot, A. 64064 [CDS], Bungartz, F. 5808 [CDS], Bungartz, F. 5827 [CDS], Bungartz, F. 5868 [CDS], Bungartz, F. 5066 [CDS], Bungartz, F. 4352 [CDS], Aptroot, A. 65450 [CDS], Bungartz, F. 4694 [CDS], Aptroot, A. 64294 [CDS], Aptroot, A. 63980 [CDS], Bungartz, F. 6622 [CDS], Bungartz, F. 6844 [CDS], Bungartz, F. 6965 [CDS], Ertz, D. 11701 [CDS], Ertz, D. 12025 [CDS], Bungartz, F. 7898 [CDS], Nugra, F. 586 [CDS], Nugra, F. 605 [CDS], Clerc, P. 08-299 [CDS], Herrera-Campos, M.A. 10682 [CDS], Tehler, A. 8635 [CDS], Bungartz, F. 8322 [CDS], Bungartz, F. 8561 [CDS], Rivas Plata, E. 4055 [CDS], Miranda, R. 960 [CDS], Bungartz, F. 9253 [CDS], Bungartz, F. 9254 [CDS], Bungartz, F. 9286 [CDS], Bungartz, F. 9291 [CDS], Bungartz, F. 9635 [CDS], Bungartz, F. 9668 [CDS], Bungartz, F. 9676 [CDS], Bungartz, F. 9943 A [CDS], Bungartz, F. 10160 [CDS], Bungartz, F. 10163 [CDS], Bungartz, F. 10168 A [CDS], Aptroot, A. 64298 A

[CDS], Spielmann, A.A. 10700 [CDS], Bungartz, F. 10461 [CDS]

Astrothelium pseudannulare Aptroot & Etayo

Holotype hb. Etayo, Palice 20154, source: Aptroot et al. (2016)

Astrothelium tuberculosum (Vain.) Aptroot & Lücking

[*Pseudopyrenula annularis var. tuberculosa* Vain., *Trypethelium crassum var. tuberculosa* (Vain.) Zahlbr., *Trypethelium tuberculosum* (Vain.) R.C. Harris]

preliminary identification, F. Bungartz & R. Miranda: thallus reacts K+ yellow, slowly orange red; according to Aptroot & Lücking (2016) this reaction is probably not caused by secondary metabolites; the Galapagos specimens still need to be analyzed by TLC, source: Aptroot et al. (2016), Aptroot & Lücking (2016); Aptroot, A. 63139 [CDS], Aptroot, A. 63147 [CDS], Aptroot, A. 64663 [CDS], Nugra, F. 73 [CDS], Bungartz, F. 7293 [CDS], Clerc, P. 08-108 [CDS], Rivas Plata, E. 4077 [CDS], Bungartz, F. 8785 [CDS], Bungartz, F. 8791 [CDS], Bungartz, F. 8783 [CDS]

Astrothelium variolosum (Ach.) Müll.Arg.

[*Bathelium papillosum* (Ach.) C.W. Dodge, *Trypethelium papillosum var. fuscum* Müll.Arg., *Trypethelium variolosum* Ach.]

source: Aptroot et al. (2016), Harris (1995), Nöske et al. (2007), Fernández-Prado et al. (2022); Bungartz, F. 5815 [CDS], Bungartz, F. 4443 [CDS]

Athallia

Athallia cerinelloides (Erichsen) Arup, Frödén & Søchting

[*Caloplaca cerinelloides* (Erichsen) Poelt, *Caloplaca pyracea f. cerinelloides* Erichsen]

source: Kalb & Aptroot (2017), van den Boom et al. (2022)

Athelia

Athelia arachnoidea (Berk.) Jülich

[*Corticium arachnoideum* Berk., *Corticium bisporum* (J. Schröt.) Bourdot & Galzin, *Corticium centrifugum subsp. bisporum* (J. Schröt.) Bourdot & Galzin, *Hypochnus bisporus* J. Schröt.]

* = lichenicolous fungi (parasites on living lichens); on *Lobariella subexornata*, source: Etayo (2017); Etayo, J. 20162 [hb. Etayo]

Aulaxina

Aulaxina intermedia Lücking

source: Lücking (1999, 2008), van den Boom et al. (2022); Lücking, R. 96-909 [QCAM]

Aulaxina microphana (Vain.) R. Sant.

[*Bacidia microphana* (Vain.) Zahlbr., *Bilimbia microphana* Vain.]

source: Lücking (1999, 2008), van den Boom et al. (2022); Robert Lücking 96-1107 [INABIOEC-MECN-QCNE], Lücking, R. 96-913 [QCAM]

Aulaxina minuta R. Sant.

source: Lücking (1999), Lücking & Matzer (2001), Lücking (2008); Lücking, R. 96-424 [QCAM], Lücking, R. 96-906 [QCAM]

Aulaxina multiseptata R. Sant.

source: van den Boom et al. (2022)

Aulaxina opegraphina Fée

source: Lücking (1999, 2008), van den Boom et al. (2022); Rivas Plata, E. 4080 [CDS], Bungartz, F. 8786 [CDS], Spielmann, A.A. 8260 [CDS], Bungartz, F. 8784 [CDS], Robert Lücking 96-1115 [INABIOEC-MECN-QCNE], Robert Lücking 96-1206 [INABIOEC-MECN-QCNE], Robert Lücking 96-1117 [INABIOEC-MECN-QCNE], Robert Lücking 96-423 [INABIOEC-MECN-QCNE], Lücking, R. 96-115 [QCAM], Lücking, R. 96-221 [QCAM], Lücking, R. 96-683 [QCAM], Lücking, R. 96-1116 [QCAM], Lücking, R. 96-1117 [QCAM]

Aulaxina quadrangula (Stirton) R. Sant.

[*Platygrapha quadrangula* Stirt.]

source: Lücking (1999, 2008), van den Boom et al. (2022); Bungartz, F. 7322 D [CDS], Bungartz, F. 8764 D [CDS], Bungartz, F. 9665 C [CDS], Robert Lücking 96-116 [INABIOEC-MECN-QCNE], Robert Lücking 96-426 [INABIOEC-MECN-QCNE], Robert Lücking 96-702 [INABIOEC-MECN-QCNE], Robert Lücking 96-902 [INABIOEC-MECN-QCNE], Robert Lücking 96-1103 [INABIOEC-MECN-QCNE], Lücking, R. 96-80 [QCAM], Lücking, R. 96-213 [QCAM], Lücking, R. 96-425 [QCAM], Lücking, R. 96-702 [QCAM], Lücking, R. 96-1211 [QCAM]

Aulaxina submuralis Kalb & Vězda

source: Lücking (1999, 2008), van den Boom et al. (2022); Bungartz, F. 8765 B [CDS], Lücking, R. 96-219 [QCAM], Lücking, R. 96-1185 [QCAM]

Bachmanniomyces

Bachmanniomyces punctum (A. Massal.) Diederich & Pino-Bodas

[*Abrothallus moorei* Linds., *Lecidea cetrariicola* Linds., *Lecidea cladoniaria* Nyl., *Lecidea punctum* (A. Massal.) Jatta, *Nesolechia cetrariicola* (Linds.) Arnold, *Nesolechia cladoniaria* (Nyl.) Zopf, *Nesolechia punctum* A. Massal., *Phaeopyxis punctum* (A. Massal.) Rambold, Triebel & Coppins]

* = lichenicolous fungi (parasites on living lichens); on *Cladonia* sp., source: Etayo (2017)

Bachmanniomyces santessonii Etayo

* = lichenicolous fungi (parasites on living lichens); on *Sticta* spp. & *Sticta fuliginosa*, source: Etayo (2017); Etayo, J. 20105 [hb. Etayo], J. Etayo 25562 [hb. Etayo]

Bacidia

Bacidia andina van den Boom

source: van den Boom et al. (2022)

Bacidia brunneola Malme

K. Kalb & A. Kalb 1987-08-22 [UPS]

Bacidia campalea (Tuck.) S. Ekman & Kalb

[*Haematomma campaleum* (Tuck.) Zahlbr., *Lecanora campalea* Tuck.]

source: van den Boom et al. (2022)

Bacidia heterochroa (Müll.Arg.) Zahlbr.

[*Patellaria heterochroa* Müll.Arg.]

source: van den Boom et al. (2022); Aptroot, A. 63810 [CDS], Bungartz, F. 3551 [CDS], Aptroot, A. 63878 [CDS], Bungartz, F. 4411 [CDS], Bungartz, F. 5804 [CDS], Bungartz, F. 3998 [CDS], Bungartz, F. 3522 [CDS], Bungartz, F. 4935 [CDS], Aptroot, A. 65197 [CDS], Bungartz, F. 4277 [CDS], Nugra, F. 127 [CDS], Bungartz, F. 7879 [CDS], Bungartz, F. 7926 [CDS], Bungartz, F. 8417 [CDS], Hillmann, G. GAL-71 [CDS], Hillmann, G. GAL-79 [CDS], Bungartz, F. 9696 [CDS], Aptroot, A. 63675 [CDS], Bungartz, F. 5574 [CDS]

Bacidia hostheleoides (Nyl.) Zahlbr.

[*Bacidia caloosensis* (Tuck.) Zahlbr., *Biatora caloosensis* Tuck., *Bilimbia acclinis* (Flot.) Trevis.]

K. Kalb 19616 [WIS]

Bacidia insularis Zahlbr.

native, questionably endem., Type: Ecuador. Galápagos: Isla Floreana, Post Office Bay, ad cortices laeves, sine datum, Herre, A.W.C.T. 3155 [W–lectotype selected by Ekman 1996; COLO 183424 (S-10354) – isotype!; also distributed as Keissler, Krypt. Exs. [Wien (Vienna)]: Kryptogamae Exsiccatae Editae A Museo Palatino Vindobonensi no. 3155]; originally described from the Galapagos, but questionably endemic since Fernández-

Prado et al. (2022) report it as *Bacidia* cf. *insularis* from the continent, source: Weber (1966, 1986), Elix & McCarthy (1998), Ekman (1996), Fernández-Prado et al. (2022; as *Bacidia* cf. *insularis*); Aptroot, A. 63236 [CDS], Bungartz, F. 4486 [CDS], Ertz, D. 12029 [CDS], Bungartz, F. 7359 [CDS], Bungartz, F. 7936 [CDS], Bungartz, F. 7979 [CDS], Yánez-Ayabaca, A. 1986 [CDS]

Bacidia laurocerasi (Delise ex Duby) Zahlbr.

[*Bacidia atrogrisea* (Hepp) Körb., *Bacidia atrogrisea var. atrogrisea* (Hepp) Körb., *Bacidia endoleuca* (Nyl.) Kickx., *Bacidia endoleuca f. atrogrisea* (Delise ex Hepp) Erichsen, *Bacidia endoleuca f. coalescens* Erichsen, *Bacidia endoleuca f. endoleuca* (Nyl.) J.J. Kickx, *Bacidia endoleuca var. endoleuca* (Nyl.) J.J. Kickx, *Bacidia endoleuca var. incarnata* Erichsen, *Bacidia subacerina subsp. laurocerasi* (Duby) Vain., *Bacidia subacerina var. laurocerasi* Fr., *Biatora atrogrisea* Delise ex Hepp, *Biatora luteola f. endoleuca* Nyl., *Lecidea atrogrisea* (Hepp) Linds., *Lecidea endoleuca* (Nyl.) Nyl., *Lecidea laurocerasi* (Delise ex Duby) Nyl., *Patellaria atrogrisea* (Hepp) Müll.Arg., *Patellaria endoleuca* (Nyl.) Müll.Arg., *Patellaria laurocerasi* Delise ex Duby, *Secoliga atrogrisea* (Hepp) Stizenb.]
source: Fernández-Prado et al. (2022), van den Boom et al. (2022)

Bacidia megapotamica Malme

K. Kalb & A. Kalb 1987-08-22 [UPS]

Bacidia millegrana (Taylor) Zahlbr.

[*Biatora luteola var. millegrana* (Taylor) Tuck., *Lecanora millegrana* Taylor, *Lecidea millegrana* (Taylor) Nyl., *Lecidea millegrana var. millegrana* (Taylor) Nyl., *Patellaria millegrana* (Taylor) Müll. Arg., *Patellaria millegrana var. millegrana* (Taylor) Müll. Arg.]
source: van den Boom et al. (2022)

Bacidia polychroa (Th. Fr.) Körb.

[*Bacidia acerina* (Ach.) Arnold, *Bacidia acerina var. acerina* (Ach.) Arnold, *Bacidia fuscorubella* (Hoffm.) Arn., *Bacidia fuscorubella f. fuscorubella* (Hoffm.) Bausch, *Bacidia fuscorubella f. polychroa* Th. Fr., *Bacidia luteola var. acerina* Ach., *Bacidia polysita* (Stirt.) A.L. Sm., *Biatora fuscorubella* (Hoffm.) Tuck., *Biatora polychroa* Th. Fr., *Lecidea fuscorubella* (Hoffm.) Röhl., *Lecidea polysita* Stirt., *Lecidea spadicea* Ach., *Secoliga acerina* (Ach.) Stizenb., *Secoliga fuscorubella* (Hoffm.) Stizenb., *Toninia polysita* (Stirt.) H. Olivier, *Verrucaria fuscorubella* Hoffm.]
source: Fernández-Prado et al. (2022)

Bacidia rubella (Hoffm.) A. Massal.

[*Bacidia luteola* (Schrad.) Mudd, *Bacidia luteola f. areolata* Oxner, *Bacidia luteola f. conspondens* Zahlbr., *Bacidia luteola f. luteola* (Ach.) Mudd, *Bacidia luteola f. porriginosa* (Turner) Oxner, *Bacidia luteola var. luteola* (Ach.) Mudd, *Bacidia luteola var. porriginosa* (Turner) A.L. Sm., *Bacidia rubella var. porriginosa* (Turner) H. Olivier, *Bacidiomyces rubellae* Cif. & Tomas., *Biatora luteola* (Schrad.) Fr., *Biatora luteola f. luteola* (Schrad.) Fr., *Biatora luteola var. luteola* (Schrad.) Fr., *Biatora luteola var. schweinitzii* Tuck., *Biatora rubella* (Hoffm.) Rabenh., *Lecidea granulosa var. porriginosa* (Turner) Clemente, *Lecidea luteola* (Schrad.) Ach., *Lecidea luteola var. acerina* Ach., *Lecidea luteola var. americana* Fée, *Lecidea luteola var. luteola* (Schrad.) Ach., *Lecidea luteola var. rubella* Ach., *Lichen luteolus* Schrad., *Lichen porriginosus* Turner, *Lichen rubellus* (Hoffm.) Ach., *Ochrolechia luteola* (Schrad.) Overeem, *Patellaria luteola* (Schrad.) Müll. Arg., *Patellaria rubella* (Hoffm.) DC., *Secoliga rubella* (Hoffm.) Stizenb., *Verrucaria rubella* Hoffm.]
source: Fernández-Prado et al. (2022)

Bacidia russeola (Kempelh.) Zahlbr.

[*Lecidea russeola* Kremp., *Patellaria russeola* (Kremp.) Müll. Arg.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 7568 [CDS], Nugra, F. 576 [CDS], Yánez-Ayabaca, A. 303 [CDS], Aptroot, A. 63306 [CDS], Aptroot, A. 63797 [CDS], Bungartz, F. 3268 [CDS], Bungartz, F. 3705 [CDS], Bungartz, F. 5727 [CDS], Bungartz, F. 4257 [CDS], Bungartz, F. 5829 [CDS], Bungartz, F. 4952 A [CDS], Bungartz, F. 4883 [CDS], Bungartz, F. 3682 [CDS], Bungartz, F. 3674 [CDS], Bungartz, F. 3675 [CDS], Aptroot, A. 64290 [CDS], Aptroot, A. 64340 [CDS], Nugra, F. 286 [CDS], Nugra, F. 323 [CDS], Nugra, F. 206 [CDS], Nugra, F. 550 [CDS], Nugra, F. 594 [CDS], Clerc, P. 08-20 [CDS], Rivas Plata, E. 4037 [CDS], Yánez-Ayabaca, A. 1802 [CDS], Bungartz, F. 5876 [CDS], Aptroot, A. 65080 [CDS], Nugra, F. 184 [CDS], Jonitz, H. 40 [CDS], Bungartz, F. 5879 B [CDS]

Bacidia viridescens (A. Massal.) Hellb.

[*Raphiospora viridescens* A. Massal.]
* = lichenicolous fungi (parasites on living lichens); on *Peltigera laciniata & Peltigera sp.*, source: Etayo (2017); J. Etayo 19918 [hb. Etayo], Etayo, J. 26282 [hb. Etayo]

Bacidina

Bacidina apiahica (Müll.Arg.) Vězda

[*Bacidia apiahica* (Müll.Arg.) Zahlbr., *Lecania apiahica* (Müll.Arg.) Zahlbr., *Maronea apiahica* (Müll.Arg.) Zahlbr., *Patellaria apiahica* Müll.Arg., *Woessia apiahica* (Müll. Arg.) Sérus., Lichenologist 28(3): 224 (1996)]
source: Lücking (1999, 2008), Nöske et al. (2007), van den Boom et al. (2022); Bungartz, F. 5012 C [CDS], Bungartz, F. 5014 C [CDS], Bungartz, F. 5013 B [CDS], Bungartz, F. 5015 B [CDS], Bungartz, F. 5005 B [CDS], Bungartz, F. 8003 [CDS], Spielmann, A.A. 8241 G [CDS], Bungartz, F. 7320 B [CDS], Nugra, F. 910 C4 [CDS], Ertz, D. 11723 B [CDS], Aptroot, A. 64270 [CDS], Bungartz, F. 9359 I [CDS], Nugra, F. 211 [CDS], Aptroot, A. 64250 [CDS], Yánez-Ayabaca, A. 2128 [CDS], Aptroot, A. 64332 [CDS], Aptroot, A. 63326 A [CDS], Aptroot, A. 64253 [CDS], Lücking, R. 96-362 [QCAM]

Bacidina arvidssonii (Sérus.) Lücking

[*Woessia arvidssonii* Sérus.]
Holotype GB, Arvidsson 290, source: Sérusiaux (1995), Lücking (2008), Aptroot (2002)

Bacidina chloroticula (Nyl.) Vězda & Poelt

[*Bacidia chloroticula* (Nyl.) A.L. Sm., *Lecidea chloroticula* Nyl., *Woessia chloroticula* (Nyl.) Puntillo, Bricaud & Sérus.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 3668 [CDS]

Bacidina defecta Vězda

source: Lücking (1999. 2008), Lücking & Matzer (2001), van den Boom et al. (2022); Lücking, R. 96-526 [QCAM]

Bacidina delicata (Leighton) V. Wirth & Vězda

[*Bacidia delicata* (Larbal. ex Leight.) Coppins, *Lecidea effusa var. delicata* Larbal. ex Leight., *Woessia delicata* (Larbal. ex Leight.) Sérus. & Diederich]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, preliminary, material needs verification; Aptroot, A. 63784 [CDS], Aptroot, A. 65036 [CDS], Aptroot, A. 63871 [CDS], Aptroot, A. 65204 [CDS], Bungartz, F. 5517 [CDS], Nugra, F. 214 [CDS], Bungartz, F. 9494 [CDS]

Bacidina hypophylla Lücking & Kalb

source: Lücking & Matzer (2001)

Bacidina lacerata (Timdal) Kistenich, Timdal, Bendiksby & S.Ekman

[*Phyllopsora lacerata* Timdal]
source: Déleg et. al (2021), Timdal (2008).; Klara Scharnagl 2272 [MSC]

Bacidina medialis (Tuck. ex Nyl.) Kistenich, Timdal, Bendiksby & S. Ekman

[*Bacidia medialis* (Tuck. ex Nyl.) B. de Lesd., *Bacidia molybditis* (Tuck.) Zahlbr., *Biatora medialis* (Tuck ex Nyl.) Tuck., *Biatora molybditis* Tuck., *Bilimbia molybditis* (Tuck.) Riddle, *Lecidea medialis* Tuck. ex Nyl., *Patellaria medialis* (Tuck ex Nyl.) Müll.Arg.]
source: Fernández-Prado et al. (2022), van den Boom et al. (2022); Klara Scharnagl 2219 [MSC]

Bacidina mirabilis (Vězda) Vězda

[*Catillaria mirabilis* Vězda]
source: Lücking (1999, 2008), Lücking & Matzer (2001); Lücking, R. 96-527 [QCAM], Lücking, R. 96-807 [QCAM]

Bacidina neotropica Lücking

source: Lücking (2008)

Bacidina pallidocarnea (Müll. Arg.) Vězda

[*Bacidia pallidocarnea* (Müll.Arg.) Zahlbr., *Patellaria pallidocarnea* Müll.Arg.]
source: Lücking (1999, 2008); Bungartz, F. 5008 D [CDS], Bungartz, F. 7321 C [CDS], Lücking, R. 96-117 [QCAM]

Bacidina phacodes (Körb.) Vězda

[*Bacidia albescens f. albescens* Bausch, *Bacidia phacodes* Körb., *Lecidea phacodes* (Körb.) Leight., *Scoliciosporum molle f. albescens* Kremp.]
source: van den Boom et al. (2022)

Bacidina pseudohyphophorifera (Lücking & Sérus.) Lücking

[*Woessia pseudohyphophorifera* Lücking & Sérus.]
source: Lücking (1999, 2008); Lücking, R. 96-581 [QCAM]

Bacidina pulverula van den Boom

source: van den Boom et al. (2022)

Bacidina scutellifera (Vězda) Vězda

[*Bacidia scutellifera* Vězda]
source: Lücking (1999, 2008), Lücking & Matzer (2001); Lücking, R. 96-377 [QCAM], Lücking, R. 96-990 [QCAM]

Bacidina simplex Farkas & Vězda

Bacidina simplex var. cyanophila Lücking

source: Lücking (2008)

Bacidiopsora

Bacidiopsora microphyllina Kalb

source: van den Boom (2022); Klara Scharnagl 2144 [MSC]

Bacidiopsora psorina (Nyl.) Kalb

[*Bacidia psorina* (Nyl.) G. Pant & D.D. Awasthi, *Lecidea psorina* Nyl., *Psorella psorina* (Nyl.) Zahlbr.]
source: Nöske et al. (2007); K. Kalb s.n. [WIS], K. Kalb s.n. [WIS], K. Kalb 17591 [WIS], K. Kalb 17589 [WIS], K. Kalb 17581 [WIS], K. Kalb 17585 [WIS], K. Kalb 17588 [WIS], K. Kalb 17597 [WIS], K. Kalb 17580 [WIS], K. Kalb 17593 [WIS], K> K 17595 [WIS], K. Kalb 17598 [WIS], K. Kalb 17583 [WIS]

Bacidiopsora silvicola (Malme) Kalb

[*Bacidia silvicola* Malme]
K. Kalb s.n. [WIS]

Bacidiopsora squamulosula (Nyl.) Kalb

[*Bacidia squamulosula* (Nyl.) Zahlbr., *Lecidea squamulosula* Nyl.]
source: Nöske et al. (2007); Klara Scharnagl 2257 [MSC], K. Kalb s.n. [WIS], Z. Palice 3758 dupl. [BG]

Bactrospora

Bactrospora acicularis (C.W. Dodge) Egea & Torrente

[*Lecanactis acicularis* C.W. Dodge]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Aptroot & Sparrius (2008); Ertz, D. 11512 A [CDS], Bungartz, F. 8480 [CDS], Aptroot, A. 63442 [CDS], Bungartz, F. 6173 [CDS], Bungartz, F. 6175 [CDS], Bungartz, F. 4495 [CDS], Ertz, D. 11612 [CDS], Yánez-Ayabaca, A. 1593 [CDS], Bungartz, F. 9214 [CDS], Yánez-Ayabaca, A. 2007 [CDS], Yánez-Ayabaca, A. 1970 B [CDS]

Bactrospora denticulata (Vain.) Egea & Torrente

[*Bactrospora integrispora* Seaver, *Lecanactis denticulata* Vain.]
source: Benítez et al. (2019); Aptroot, A. 63071 [CDS], Ertz, D. 11633 [CDS], Ertz, D. 11666 [CDS], Bungartz, F. 7208 [CDS], Herrera-Campos, M.A. 10729 [CDS], Bungartz, F. 8778 [CDS], Nugra, F. 921 [CDS], Rivas Plata, E. 4020 [CDS], Bungartz, F. 8925 [CDS], Jonitz, H. 72 [CDS]

Bactrospora myriadea (Fee) Egea & Torrente

[*Arthonia myriadea* (Fée) Nyl., *Bactrospora nematospora* R.C. Harris, *Coniocarpon myriadeum* Fée, *Lecanactis myriadea* (Fée) Zahlbr., *Lecidea myriadea* (Fée) Zenker, *Scolecactis myriadea* (Fée) Clem.]
source: Aptroot & Sparrius (2008), Benítez (2016), Benítez et al. (2019), van den Boom et al. (2022); Aptroot, A. 63034 [CDS], Bungartz, F. 3386 [CDS], Bungartz, F. 3398 [CDS], Bungartz, F. 3399 [CDS], Bungartz, F. 3400 [CDS], Bungartz, F. 6465 [CDS], Bungartz, F. 3635 [CDS], Bungartz, F. 3379 [CDS], Bungartz, F. 6043 [CDS], Bungartz, F. 6148 [CDS], Bungartz, F. 3599 [CDS], Bungartz, F. 5648 [CDS], Bungartz, F. 5659 [CDS], Aptroot, A. 65623 [CDS], Bungartz, F. 6421 [CDS], Bungartz, F. 6343 [CDS], Aptroot, A. 64432 [CDS], Bungartz, F. 3800 [CDS], Ertz, D. 11528 [CDS], Ertz, D. 11673 [CDS], Ertz, D. 11677 [CDS], Bungartz, F. 7144 [CDS], Guézou, A. 222 B [CDS], Hillmann, G. GAL-86 [CDS], Rivas Plata, E. 4025 [CDS], Spielmann, A.A. 8242 [CDS], Spielmann, A.A. 8250 [CDS], Yánez-Ayabaca, A. 1608 [CDS], Bungartz, F. 8831 [CDS], Bungartz, F. 8871 [CDS], Bungartz, F. 8939 [CDS], Bungartz, F. 9035 [CDS], Bungartz, F. 9043 [CDS], Bungartz, F. 9164 [CDS], Bungartz, F. 9186 [CDS], Bungartz, F. 9800 [CDS], Yánez-Ayabaca, A. 1971 [CDS], Bungartz, F. 9852 B [CDS], Bungartz, F. 10475 [CDS], Bungartz, F. 10493 [CDS], Bungartz, F. 8869 B [CDS], Bungartz, F. 9724 [CDS], Benítez, A. 5 [HUTPL]

Baculifera

Baculifera intermedia Marbach

Holotype WIS, Kalb & Kalb 18326, source: Marbach (2000)

Baculifera orosa Marbach

source: van den Boom et al. (2022)

Baculifera remensa (Stirt.) Marbach

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 105 [HUTPL]

Badimia

Badimia dimidiata (Bab. ex Leight.) Vězda

[*Bacidia dimidiata* (Bab. ex Leight.) R. Sant., *Lecania dimidiata* (Bab. ex Leight.) Zahlbr., *Lecanora dimidiata* Bab. ex Leight.]
source: Lücking (1999, 2008); M. Macía & Z. Palice 1999-08-15 [F], Macía, M.... s.n. [DUKE], M. Macía & Z. Palice 1999-08-15 [UPS], Robert Lücking 96-372 [INABIOEC-MECN-QCNE], Robert Lücking 96-571 [INABIOEC-MECN-QCNE], Robert Lücking 96-815 [INABIOEC-MECN-QCNE], Lücking, R. 96-370 [QCAM], Lücking, R. 96-569 [QCAM], Lücking, R. 96-571 [QCAM], Lücking, R. 96-815 [QCAM]

Badimia pallidula (Kremp.) Vězda

[*Bacidia pallidula* (Kremp.) Zahlbr., *Lecidea pallidula* Kremp., *Patellaria pallidula* (Kremp.) Müll. Arg.]
source: Lücking (1999, 2008); Robert Lücking 96-558 [INABIOEC-MECN-QCNE], Lücking, R. 96-806 [QCAM], Lücking, R. 96-363 [QCAM]

Baeomyces

Baeomyces jamesonii Taylor

[*Cladonia jamesonii* (Taylor) Mitt.]
problematic, name not resolved, the name has not widely be used and it remains unclear what it refers to, in need of revision, source: Taylor (1848); W. Jameson 180 [NY], Jameson, W. [PC]

Baeomyces rufus (Hudson) Rebent.

[*Baeomyces byssoides* (L.) Gärtner, Mey. & Schrebius, *Baeomyces rufus f. subsquamulosus* (Nyl.) Frey, *Baeomyces rufus var. prostii* Harm., *Baeomyces rufus var. subsquamulosus* Nyl., *Lichen rufus* Huds.]
Arvidsson, Lars et al. 5917 [GB], Arvidsson... 2863 [GB], Arvidsson... 2864 [GB], Telma Paredes 842 [INABIOEC-MECN-QCNE], J. Etayo 26306 [hb. Etayo], Palice, Z. 2475 [QCAM]

Bapalmuia

Bapalmuia costaricensis Lücking & Kalb

source: Kalb et al. (2000), Lücking (2008)

Bapalmuia lineata Lücking & Kalb

source: Kalb et al. (2000), Lücking (2008); Lücking, R. 96-505 [QCAM]

Bapalmuia napoensis Lücking

Holotype QCNE, Lücking 96-984, source: Lücking (2008); Lücking, R. 96-984 [INABIOEC-MECN-QCNE]

Bapalmuia pallescens Lücking

source: Lücking (2008)

Bapalmuia palmularis (Müll.Arg.) Serus.

[*Bacidia palmularis* (Müll.Arg.) Zahlbr., *Patellaria palmularis* Müll.Arg.]
source: Lücking (1999, 2008), Kalb et al. (2000); Robert Lücking 96-801 [INABIOEC-MECN-QCNE], Robert Lücking 96-573 [INABIOEC-MECN-QCNE], Lücking, R. 96-572 [QCAM], Lücking, R. 96-575 [QCAM]

Bapalmuia verrucosa Sérus. & Lücking

source: Lücking (1999; as *Bapalmuia* cf. *verrucosa*), Kalb et al. (2000)

Barubria

Barubria fuscorubra (Vězda) Vězda

source: Lücking (1999, 2008); Robert Lücking 96-1011 [INABIOEC-MECN-QCNE], Lücking, R. 96-192 [QCAM]

Bathelium

Bathelium carolinianum (Tuck.) R.C. Harris

[*Trypethelium carolinianum* Tuck.]
source: van den Boom et al. (2022)

Biatora

Biatora australis Rodr. Flakus & Printzen

[*Myrionora australis* (Rodr. Flakus & Printzen) S.Y. Kondr.]
Holotype PRA, Palice 3711, source: Printzen et al. (2016)

Biatora cuyabensis (Malme) S.Y. Kondr.

[*Lecidea cuyabensis* Malme, *Phyllopsora cuyabensis* (Malme) Zahlbr.]
source: Nöske et al. (2007), Déleg et al. (2021)

Biatora rufidula (Graewe in Hellb.) S. Ekman & Printzen

[*Bacidia rufidula* (Graewe) Zahlbr., *Bilimbia rufidula* Graewe, *Lecidea rufidula* (Graewe) Stizenb.]
source: Fernández-Prado et al. (2022)

Biatoropsis

Biatoropsis usnearum Räsänen

* = lichenicolous fungi (parasites on living lichens); on *Usnea bogotensis*, *Usnea* sp., & *Usnea rubicunda*, source: Etayo (2017); Aptroot, A. 65132 B [CDS], Aptroot, A. 65689 [CDS], Bungartz, F. 7763 B [CDS], Bungartz, F. 9640 B [CDS], Truong, C. 1371 B [CDS], Clerc, P. 08-240 B [CDS], Etayo, J. 17289 [hb. Etayo], Etayo, J. 19956 [hb. Etayo], Etayo, J. 19972 [hb. Etayo], Etayo, J. 20064 [hb. Etayo], Etayo, J. 20081 [hb. Etayo], J. Etayo 25332 [hb. Etayo], Etayo, J. 25447 [hb. Etayo], Etayo, J. 25448 [hb. Etayo], J. Etayo 25545 [hb. Etayo], J. Etayo 25555 [hb. Etayo], J. Etayo 25583 [hb. Etayo], J. Etayo 25599 [hb. Etayo], J. Etayo 25606 [hb. Etayo], J. Etayo 25607 [hb. Etayo], Etayo, J. 25667 [hb. Etayo], Etayo, J. 25835 [hb. Etayo], J. Etayo 26665 [hb. Etayo], J. Etayo 26681 [hb. Etayo], Etayo, J. 27014 [hb. Etayo]

Bibbya

Bibbya bullata (Meyen & Flot.) Kistenich, Timdal, Bendiksby & S.Ekman

[*Bibbya muelleri* (F. Wilson) J.H. Willis, *Lecidea bullata* Meyer & Flot., *Siphula muelleri* F. Wilson, *Thalloidima bullatum* (Meyen & Flot.) Müll. Arg., *Thalloidima nitidum* Müll.Arg., *Toninia bullata* (G. Meyen & Flotow) Zahlbr., *Toninia nitida* (Müll.Arg.) Zahlbr.]
problematic, no modern record, source: Zahlbruckner (1905, 1907; as *Toninia bullata*)

Bogoriella

Bogoriella thelena (Ach.) Aptroot & Lücking

[*Microthelia thelena* (Ach.) Trev., *Mycomicrothelia thelena* (Ach.) D. Hawksw., *Pyrenula thelena* (Ach.) Trevis., *Verrucaria thelena* Ach.]
source: Aptroot (1991), Elix & McCarthy (1998) Weber (1993), Cevallos (2012); Bungartz, F. 9651 [CDS]

Briancoppinsia

Briancoppinsia cytospora (Vouaux) Diederich, Ertz, Lawrey & van den Boom

[*Phoma cytospora* (Vouaux) D. Hawks., *Phyllosticta cytospora* Vouaux, Bull. Soc. mycol. Fr. 30(2): 193 (1914)]
* = lichenicolous fungi (parasites on living lichens); on *Parmotrema reticulatum* & *Parmotrema* sp., source: Etayo (2017); Etayo, J. 25427 [hb. Etayo], Etayo, J. 25443 [hb. Etayo], Etayo, J. 25444 [hb. Etayo], J. Etayo 25364 [hb. Etayo]

Brigantiaea

Brigantiaea leucoxantha (Sprengel) R. Sant. & Hafellner

[*Biatora leucoxantha* (Spreng.) Bél., *Heterothecium leucoxanthum* (Spreng.) A. Massal., *Lecidea leucoxantha* Spreng., *Lopadium leucoxanthum* (Spreng.) Zahlbr., *Lopadium leucoxanthum f. leucoxanthum* (Spreng.) Zahlbr., *Lopadium leucoxanthum f. sorediatum* Zahlbr., *Lopadium leucoxanthum var. albidius* Zahlbr., *Lopadium leucoxanthum var. leucoxanthum* (Spreng.) Zahlbr., *Lopadium leucoxanthum var. ussuriense* Oxner, *Miltidea leucoxantha* (Spreng.) Stirt., *Patellaria leucoxantha* (Spreng.) Spreng., *Sporopodium leucoxanthum* (Spreng.) Vain., *Sporopodium leucoxanthum var. leucoxanthum* (Spreng.) Vain., *Sporopodium leucoxanthum var. microcarpa* Räsänen, *Sporopodium leucoxanthum var. microcarpum* Räsänen, *Xanthocarpia leucoxantha* (Spreng.) C. Müll.]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Benítez et al. (2015), Benítez (2016); Bungartz, F. 7682 [CDS], Aptroot, A. 65047 [CDS], Aptroot, A. 63870 [CDS], Benítez, A. 107 [HUTPL], Lindström... 2349 [GB], Arvidsson... 2316 [GB], Andersson... 567 [GB], Arvidsson... 2315 [GB]

Bryonora

Bryonora curvescens (Mudd) Poelt

[*Biatora curvescens* Th. Fr., *Lecania curvescens* (Mudd) A.L. Sm., *Lecanora castanea f. curvescens* (Mudd) Th. Fr., *Lecanora curvescens* (Mudd) Nyl., *Pannaria curvescens* Mudd]
source: Flakus et al. (2013)

Bryonora granulata Fryday

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, F. Bungartz: originally described from the Falkland Islands (in Fryday & Øvstedal 2012); morphologically and anatomically the Galapagos material is identical to the Falkland specimens; the chemistry of the type and Galapagos material was analyzed by J.A. Elix, who found 2'-O-methylperlatolic acid in both, source: Fryday & Øvstedal (2012)

Bryoria

Bryoria nitidula (Th. Fr.) Brodo & D. Hawksw.

[*Alectoria irvingii* Llano, *Alectoria nitidula* (Th. Fr.) Vain., *Alectoria nitidula f. caespitosa* (Savicz) Zahlbr., *Alectoria nitidula f. nitidula* (Th. Fr.) Vain., *Alectoria nitidula f. patens* (Savicz) Zahlbr., *Bryopogon bicolor var. nitidulus* (Th. Fr.) Gyeln., *Bryopogon jubatus var. nitidulum* Th. Fr., *Bryopogon nitidulus* (Th. Fr.) Elenkin & Savicz, *Bryopogon nitidulus f. caespitosa* Savicz, *Bryopogon nitidulus f. nitidulus* (Th. Fr.) Elenkin & Savicz, *Bryopogon nitidulus f. patens* Savicz]
source: González et al. (2017a, b)

Bryostigma

Bryostigma muscigenum (Th. Fr.) Frisch & G. Thor

[*Arthonia leucodontis* (Poelt & Döbbeler) Coppins, *Arthonia muscigena* Th. Fr., *Arthonia muscigenae* (Anzi) Jatta, *Bryostigma leucodontis* Poelt & Döbbeler, *Coniangium muscigenum* (Th. Fr.) Hellb.]
* = lichenicolous fungi (parasites on living lichens); on *Everniastrum* sp., *Parmotrema* sp., & *Parmotrema reticulatum*, source: Etayo (2017)

Bryostigma peltigerinum (Almq.) S.Y. Kondr. & Hur

[*Allarthonia peltigerina* (Almq.) H. Magn., *Arthonia peltigerina* (Almq.) H. Olivier, *Arthonia vagans var. peltigerina* Almq.]
* = lichenicolous fungi (parasites on living lichens); on *Peltigera polydactyla*, source: Etayo (2017)

Buellia

Buellia aethalea (Ach.) Th. Fr.

[*Buellia aethalea f. aethalea* (Ach.) Th. Fr., *Buellia aethalea f. aethaleoides* (Nyl.) Grummann, *Buellia aethalea f. baltica* (Erichsen) Grummann, *Buellia aethalea f. sororioides* (Erichsen) Grummann, *Buellia aethalea var. aethalea* (Ach.) Th. Fr., *Buellia aethaleoides* (Nyl.) H. Olivier, *Buellia baltica* Erichsen, *Buellia baltica f. baltica* Erichsen, *Buellia baltica f. confervoides* Erichsen, *Buellia baltica f. geographica* Erichsen, *Buellia impressula* (Leight.) A.L. Sm., *Buellia sororia* Th. Fr., *Buellia sororia f. immutata* Anders, *Buellia sororia f. sororia* Th. Fr., *Buellia sororia var. sororia* Th. Fr., *Buellia sororia var. sororioides* (Erichsen) Riehm., *Buellia sororioides* Erichsen, *Buellia sororioides f. dendritica* Erichsen, *Buellia sororioides f. sororioides* Erichsen, *Buellia verruculosa* (Sm.) Mudd, *Buellia verruculosa subsp. verruculosa* (Sm.) Mudd, *Buellia verruculosa var. verruculosa* (Sm.) Mudd, *Gyalecta aethalea* Ach., *Lecanora umbrinofusca* Nyl., *Lecidea aethalea* (Ach.) Nyl., *Lecidea aethaleoides* Nyl., *Lecidea impressula* Leight., *Lecidea sororia* (Th. Fr.) Stizenb., *Lecidea verruculosa* Borrer, *Lecidea verruculosa var. verruculosa* Borrer, *Lichen verruculosus* Sm., *Melanaspicilia aethalea* (Ach.) Vain., *Rinodina umbrinofusca* (Nyl.) H. Olivier]
parasitized by *Polycoccum nigrosporum* and *Sclerococcum leuckertii*, source: Etayo (2017; as *Buellia* cf. *aethalea*); Aptroot, A. 63665 [CDS]

Buellia dejungens (Nyl.) Vain.

[*Lecidea dejungens* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 9858 [CDS]

Buellia demutans Zahlbr.

[*Buellia callispora* (C. Knight) J. Steiner, *Buellia callispora var. callispora* (C. Knight) J. Steiner, *Buellia restituta* (Stirt. ex F.M. Bailey) Zahlbr., *Buellia subconnexa* (Stirt.) Zahlbr., *Hafellia callispora* (C. Knight) H. Mayrh. & Sheard, *Hafellia demutans* (Zahlbr.) Pusswald, *Lecidea callispora* C. Knight, *Lecidea demutans* Stirt., *Lecidea restituta* Stirt. ex F.M. Bailey, *Lecidea subconnexa* Stirt.]
source: Nöske et al. (2007); Nöske et al. (2007)

Buellia disciformis (Fr.) Mudd

[*Buellia disciformis var. cinereoferruginea* (C. Knight) Zahlbr., *Buellia disciformis var. vulgata* (Th. Fr.) H. Olivier, *Buellia disciformis var. wilsonii* Räsänen, *Buellia parasema* de Not., *Buellia parasema f. parasema* De Not., *Buellia parasema f. vulgata* (Th. Fr.) Arnold, *Buellia parasema subsp. parasema* De Not., *Buellia parasema subsp. vulgata* (Th. Fr.) Hasse, *Buellia parasema var. disciformis* (Fr.) Th. Fr., *Buellia parasema var. polyspora* Imshaug ined., *Buellia parasema var. triphragmia* (Nyl.) Th. Fr., *Buellia parasema var. vulgata* Th. Fr., *Hafellia disciformis* (Fr.) Marbach & H. Mayrhofer, *Lecidea disciformis var. cinereoferruginea* C. Knight, *Lecidea parasema var. disciformis* Fr., *Lecidea punctata f. disciformis* (Fr.) Hepp]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 9866 [CDS]

Buellia galapagona W.A. Weber

endemic to Galapagos, Type: Ecuador. Galápagos: Isla Santa Cruz, Academy Bay, along the shore of the bay, on the shore just above high tide mark, on lava rocks, abundant; associated with *Arthothelium galapagoense*, *Caloplaca* sp., and *Lecanora* sp., collected as part of the Jan. 21 - Mar.09, 1964 Galapagos International Scientific Project, 30-Jan-1964, Weber, W.A. s.n. [COLO 141642 (L-53904) and COLO 234372 (L-53904) – syntypes!; also distributed as Weber, Lich. Exs. [Boulder (Colorado)] no. 344) , source: Weber (1971, 1981, 1986) , Roth et al. (1978), Elix & McCarthy (1998); Weber, W.A. s.n. [CDS], Aptroot, A. 63261 [CDS], Aptroot, A. 63264 [CDS], Bungartz, F. 6429 [CDS], Bungartz, F. 3403 [CDS], Bungartz, F. 3419 [CDS], Bungartz, F. 6409 [CDS], Bungartz, F. 5314 [CDS], Bungartz, F. 3433 [CDS], Bungartz, F. 6050 [CDS], Bungartz, F. 6152 [CDS], Aptroot, A. 63691 [CDS], Bungartz, F. 6569 [CDS], Weber, W.A. s.n. [CDS], Bungartz, F. 3405 [CDS], Nugra, F. 133 [CDS], Bungartz, F. 7018 [CDS], Bungartz, F. 7023 [CDS], Ertz, D. 11689 A [CDS], Ertz, D. 11691 [CDS], Truong, C. 1543 [CDS], Clerc, P. 08-63 [CDS], Tehler, A. 8601 [CDS], Bungartz, F. 8846 [CDS], Bungartz, F. 8976 [CDS], Bungartz, F. 8978 [CDS], Bungartz, F. 8983 [CDS], Bungartz, F. 8988 [CDS], Bungartz, F. 9107 [CDS], Bungartz, F. 9828 [CDS], Bungartz, F. 10227 [CDS], Bungartz, F. 7236 [CDS], Bungartz, F. 3612 [CDS], Bungartz, F. 3866 [CDS]

Buellia halonia (Ach.) Tuck.

[*Baeomyces capensis* Taylor, *Diploicia capensis* (Taylor) C.W. Dodge, *Lecidea halonia* Ach.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 63269 [CDS], Bungartz, F. 5381 [CDS], Bungartz, F. 3756 [CDS]

Buellia leptocline (Flotow) A. Massal.

[*Buellia disciformis var. leptocline* (Flot.) Räsänen, *Buellia gevrensis* Th. Fr., *Buellia leptocline var. gevrensis* (Th. Fr.) Th. Fr., *Buellia parasema subsp. leptocline* (Flot.) Tuck., *Lecidea disciformis var. leptocline* (Flot.) Malbr., *Lecidea gevrensis* (Th. Fr.) Cromb., *Lecidea gevrensis var. gevrensis* (Th. Fr.) Cromb., *Lecidea gevrensis var. prolata* Nyl. ex Cromb., *Lecidea leptocline* (Flot.) Hue [as 'leptoclinis'], *Lecidea leptocline* Flot.]
source: Nöske & Sipman (2004), Nöske et al. (2007)

Buellia mamillana (Tuck.) W.A. Weber

[*Buellia australica* Räsänen, *Buellia glaziouana* (Kremp.) Müll. Arg., *Buellia glaziouana f. albinea* Räsänen, *Buellia glaziouana f. glaziouana* (Kremp.) Müll. Arg., *Buellia glaziouana var. glaziouana* (Kremp.) Müll. Arg., *Buellia glaziouana var. poliocheila* (Vain.) Imshaug, *Buellia glaziouana var. sensitiva* (Zahlbr.) Imshaug, *Buellia thomae* (Tuck.) Imshaug comb. inval., *Rinodina mamillana* Tuck., *Rinodina thomae* Tuck.]
source: Elix & McCarthy (1998), Weber (1966, 1986), Fernández-Prado et al. (2022)

Buellia oidalea (Nyl.) Tuck.

[*Diplotomma oidaleum* (Tuck.) Szatala, *Lecidea oidalea* Nyl., *Rhizocarpon oidaleum* (Nyl.) Fink]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 6209 [CDS], Bungartz, F. 6223 [CDS], Bungartz, F. 6458 [CDS], Bungartz, F. 6363 [CDS], Bungartz, F. 6375 [CDS], Bungartz, F. 6459 [CDS], Bungartz, F. 8882 [CDS]

Buellia proximata H. Magn.

[*Diplotomma proximatum* (H. Magn.) S.R. Singh & D.D. Awasthi]
K. Kalb 19444 [WIS]

Buellia rhombispora Marbach

Holotype WIS, Kalb & Kalb 18499, source: Marbach (2000), Benítez et al. (2015), Benítez (2016); K. Kalb 18103 [WIS], Benítez, A. 109 [HUTPL]

Buellia rufofuscescens Stizenb.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Ertz, D. 11599 [CDS]

Buellia spuria (Schaer.) Anzi

[*Buellia amblyogona* Müll. Arg., *Buellia exilis* (Kremp.) Müll. Arg., *Buellia italica* A. Massal., *Buellia italica var. debanensis* Bagl., *Buellia italica var. italica* A. Massal., *Buellia italica var. recobarina* A. Massal., *Buellia italica var. tumida* A. Massal., *Buellia krempelhuberi* Zahlbr., *Buellia lactea* (A. Massal.) Körb., *Buellia lactea var. cinerea* Zahlbr., *Buellia lactea var. lactea* (A. Massal.) Körb., *Buellia liguriensis* B. de Lesd., *Buellia olivaceofusca* (Anzi) Zahlbr., *Buellia recobarina* (A. Massal.) Müll. Arg., *Buellia spuria var. amblyogona* (Müll. Arg.) Elix, *Buellia spuria var. insularis* (A. Massal.) Jatta, *Buellia spuria var. spuria* (Schaer.) Anzi, *Catolechia lactea* (Schaer.) A. Massal., *Catolechia recobarina* A. Massal., *Lecidea contigua var. lactea* Schaer., *Lecidea spuria* Schaer., *Lecidea spuria var. spuria* Schaer.]
native, indigenous; Bungartz, F. 7237 [CDS], Bungartz, F. 7773 [CDS], Bungartz, F. 8836 [CDS], Bungartz, F. 9113 [CDS], Bungartz, F. 9181 [CDS], Bungartz, F. 9182 [CDS], Bungartz, F. 10353 [CDS]

Buellia stellulata (Taylor) Mudd

[*Lecidea spuria var. minutula* Hepp, *Lecidea stellulata* Taylor, *Lecidea stellulata f. albosparsa* Stizenb., *Lecidea stellulata f. hybrida* Stizenb., *Lecidea stellulata f. murina* Stizenb., *Lecidea stellulata f. protothallina* Kremp., *Lecidea stellulata f. stellulata* Taylor]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 63272 [CDS], Bungartz, F. 5203 [CDS], Bungartz, F. 7333 [CDS], Truong, C. 1247 [CDS], Truong, C. 1260 [CDS], Bungartz, F. 8731 [CDS], Yánez-Ayabaca, A. 1673 [CDS], Bungartz, F. 8838 [CDS], Bungartz, F. 8998 [CDS], Bungartz, F. 8999 [CDS], Bungartz, F. 9097 [CDS], Bungartz, F. 9109 [CDS], Bungartz, F. 9244 [CDS], Bungartz, F. 9860 B [CDS], Bungartz, F. 3616 B [CDS]

Buellia straminea Tuck.

[*Buellia xanthinula* auct. non (Müll. Arg.) Malme]
endemic to Galapagos, Type: Ecuador. Galápagos: Isla Santa Cruz, exact location unknown, Hassler Expedition 1872, Hill, T. s.n., ex Tuckerman herbarium sheet no. 3352 [FH 197151!], source: Dodge (1936), Elix & McCarthy (1998), Farlow (1902), Imshaug (1955), Stewart (1912), Weber (1966, 1986); Weber, W.A. s.n. [CDS], Aptroot, A. 63279 [CDS], Bungartz, F. 5318 [CDS], Bungartz, F. 5195 [CDS], Bungartz, F. 3436 [CDS], Bungartz, F. 6330 [CDS], Bungartz, F. 6035 [CDS], Bungartz, F. 5321 [CDS], Bungartz, F. 5324 [CDS], Bungartz, F. 6086 [CDS], Bungartz, F. 4504 [CDS], Bungartz, F. 5317 [CDS], Aptroot, A. 64999 [CDS], Bungartz, F. 3431 [CDS], Bungartz, F. 3432 [CDS], Bungartz, F. 3447 [CDS], Bungartz, F. 5359 [CDS], Aptroot, A. 64368 [CDS], Bungartz, F. 3812 [CDS], Aptroot, A. 64743 [CDS], Bungartz, F. 3752 [CDS], Bungartz, F. 3755 [CDS], Bungartz, F. 3759 [CDS], Aptroot, A. 64440 [CDS], Bungartz, F. 3765 [CDS], Bungartz, F. 7014 [CDS], Bungartz, F. 7027 [CDS], Ertz, D. 12045 [CDS], Ertz, D. 12047 [CDS], Bungartz, F. 7129 [CDS], Bungartz, F. 7245 [CDS], Bungartz, F. 7961 [CDS], Jaramillo, P. 3025 B [CDS], Nugra, F. 484 B [CDS], Truong, C. 1269 [CDS], Tehler, A. 8608 [CDS], Jonitz, H. 23 [CDS], Spielmann, A.A. 8220 [CDS], Bungartz, F. 8795 [CDS], Bungartz, F. 8799 [CDS], Bungartz, F. 8805 [CDS], Bungartz, F. 8852 [CDS], Bungartz, F. 8860 [CDS], Bungartz, F. 9004 [CDS], Bungartz, F. 9105 [CDS], Bungartz, F. 9180 [CDS], Bungartz, F. 9826 [CDS], Bungartz, F. 9869 [CDS], Bungartz, F. 9893 [CDS], Aptroot, A. 64984 [CDS], Bungartz, F. 5361 [CDS], Bungartz, F. 5365 [CDS], Bungartz, F. 3867 [CDS], Bungartz, F. 4506 [CDS], Bungartz, F. 5363 [CDS]

Buellia subdisciformis (Leight.) Vain.

[*Buellia disciformis subsp. subdisciformis* (Leight.) Vain., *Buellia disciformis var. subdisciformis* (Leight.) H. Olivier, *Buellia meiosperma* (Nyl.) Müll.Arg., *Buellia ryssolea* (Leight.) A.L. Sm., *Buellia subdisciformis var. meiosperma* (Nyl.) J. Steiner, *Lecidea meiosperma* Nyl., *Lecidea ryssolea* Leight., *Lecidea subdisciformis* Leight., *Lecidea subdisciformis var. meiosperma* (Nyl.) Leight.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 3885 [CDS]

Buellia sulphurica Bungartz & Aptroot

native, questionably endem., Type: Ecuador. Galápagos: Isla Isabela, Volcán Alcedo, upper NNW-exposed slope inside the crater, 0°27'S, 91°7'W, 1055 m, open vegetation with *Adianthus concinnum* and scattered shrubs of *Tournefortia rufosericea* among basalt blocks in the vicinity of the sulfur vents, on basalt, Mar-2006, Aptroot 64881[CDS 31458 – holotype!, hb. Aptroot – isotype), source: Lumbsch et al. (2011); Bungartz, F. 8164 [CDS], Bungartz, F. 8169 [CDS], Bungartz, F. 8732 [CDS], Aptroot, A. 64881 [CDS], Aptroot, A. 64815 [CDS], Aptroot, A. 64798 [CDS], Aptroot, A. 64800 [CDS], Aptroot, A. 64797 [CDS]

Buellia trachyspora Vain.

[*Buellia gyrosa* Vain.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 3527 B [CDS], Bungartz, F. 4305 [CDS], Bungartz, F. 4727 [CDS], Bungartz, F. 4829 [CDS], Aptroot, A. 65696 [CDS], Bungartz, F. 4721 [CDS], Clerc, P. 08-35 [CDS], Clerc, P. 08-388 [CDS], Bungartz, F. 8678 [CDS], Yánez-Ayabaca, A. 307 [CDS], Hillmann, G. GAL-147 [CDS], Bungartz, F. 9448 [CDS]

Buelliella

Buelliella minimula (Tuck.) Fink

[*Buellia minimula* Tuck.]
* = lichenicolous fungi (parasites on living lichens); on *Pertusaria* sp., source: Etayo (2017, 2020); K. Kalb 18426 [WIS], Etayo, J. 19976 [hb. Etayo]

Buelliella physciicola Poelt & Hafellner

* = lichenicolous fungi (parasites on living lichens); on *Physcia* and *Hyperphyscia adglutinata*, source: Etayo (2017), van den Boom et al. (2022); Etayo, J. 20032 [hb. Etayo]

Buelliella pusilla Hafellner

* = lichenicolous fungi (parasites on living lichens); on *Echinoplaca*, source: Etayo (2017; as *B.* aff. *pusilla*); J. Etayo 19923 [hb. Etayo], J. Etayo 25546 [hb. Etayo]

Bulbilla

Bulbilla applanata Diederich, Flakus & Etayo

* = lichenicolous fungi (parasites on living lichens); on *Sticta* sp., *Peltigera* sp., & *Lobariela crenulata*, source: Etayo (2017), Diederich et al. (2022); Etayo, J. 19962 [hb. Etayo], Etayo, J. 25914 [hb. Etayo]

Bulbothrix

Bulbothrix apophysata (Hale & Kurok.) Hale

source: Benítez et al. (2012, 2015); Benítez, A. 110 [HUTPL]

Bulbothrix bulbillosa Benatti, A.A. Spielm. & Bungartz

native, questionably endem., Holotype: Bungartz 7393 [CDS 37880], source: Bungartz et al. (2013a); Yánez-Ayabaca, A. 1646 [CDS], Yánez-Ayabaca, A. 1647 [CDS], Bungartz, F. 9948 [CDS], Yánez-Ayabaca, A. 1898 [CDS], Bungartz, F. 7393 [CDS], Bungartz, F. 7698 [CDS], Yánez-Ayabaca, A. 2014 [CDS], Clerc, P. 08-287 [CDS], Bungartz, F. 7704 [CDS], Bungartz, F. 8594 [CDS], Bungartz, F. 7896 [CDS], Bungartz, F. 7708 [CDS], Bungartz, F. 9040 [CDS], Bungartz, F. 6756 [CDS]

Bulbothrix confoederata (W.L. Culb.) Hale

[*Parmelia confoederata* W.L. Culb.]
source: Fernández-Prado et al. (2022)

Bulbothrix coronata (Fée) Hale

[*Parmelia coronata* Fée, *Parmelia glandulifera* Fée]
source: Benítez et al. (2012, 2015), Benítez (2016); Benítez, A. 111 [HUTPL]

Bulbothrix goebelii (Zenker) Hale

[*Parmelia goebelii* Zenker]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Fernández-Prado et al. (2022)

Bulbothrix isidiza (Nyl.) Hale

[*Parmelia isidiza* Nyl., *Parmelia isidiza var. isidiza* Nyl.]
source: Benítez et al. (2012, 2015), Benítez (2016); Benítez, A. 112 [HUTPL]

Bulbothrix laevigatula (Nyl.) Hale

[*Parmelia hookeri* (Borrer) Spreng., *Parmelia laevigatula* Nyl.]
source: Hale (1976); Bungartz, F. 8426 [CDS], Bungartz, F. 8566 [CDS], Aptroot, A. 65495 [CDS], Bungartz, F. 5945 [CDS], Bungartz, F. 6667 A [CDS], Bungartz, F. 6588 [CDS], Spielmann, A.A. 10708 [CDS], Truong, C. 1527 [CDS], Yánez-Ayabaca, A. 2024 [CDS], Yánez-Ayabaca, A. 1926 [CDS], Clerc, P. 08-307 [CDS]

Bulbothrix lyngei Benatti & Marcelli

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2013a); Bungartz, F. 8544 [CDS]

Bulbothrix scortella (Nyl.) Hale

[*Parmelia marginalis* Lynge, *Parmelia marginalis var. marginalis* Lynge, *Parmelia njalensis* C.W. Dodge, *Parmelia scortella* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, F. Bungartz: only one specimen (Aptroot 65313) has a brown lower side throughout., source: Bungartz et al. (2013a); Aptroot, A. 65313 [CDS]

Bulbothrix subdissecta (Nyl.) Hale

[*Bulbothrix lobarica* Jungbluth, Marcelli & Elix, *Parmelia lobarica* Junbluth, Marcelli & Elix, *Parmelia subdissecta* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2013a); Yánez-Ayabaca, A. 1894 [CDS], Yánez-Ayabaca, A. 2072 [CDS], Aptroot, A. 63315 [CDS], Bungartz, F. 8273 [CDS], Bungartz, F. 7119 [CDS], Aptroot, A. 63933 [CDS], Spielmann, A.A. 10610 [CDS], Aptroot, A. 65592 [CDS], Nugra, F. 1102 [CDS], Bungartz, F. 6620 [CDS], Spielmann, A.A. 10642 [CDS], Yánez-Ayabaca, A. 2084 [CDS], Nugra, F. 449 [CDS]

Bulbothrix suffixa (Stirt.) Hale

[*Parmelia suffixa* Stirt.]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Mandl (2007), Benítez et al. (2012, 2015), Fernández-Prado et al. (2022); Benítez, A. 113 [HUTPL]

Bulbothrix tabacina (Mont. & Bosch) Hale

[*Parmelia meizospora f. isidiosa* Müll. Arg. nom. inval., *Parmelia tabacina* Mont. & Bosch]
source: van den Boom et al. (2022)

Bullatina

Bullatina aspidota (Vain.) Vězda & Poelt

[*Calenia aspidota* (Vain.) Vězda, *Ectolechia aspidota* Vain., *Gyalectidium aspidotum* (Vain.) R. Sant., *Sporopodium aspidotum* (Vain.) Zahlbr.]
source: Kalb & Vězda (1988), van den Boom et al. (2022)

Bunodophoron

Bunodophoron melanocarpum (Sw.) Wedin

[*Lichen melanocarpus* Sw., *Sphaerophorus compressus* Ach., *Sphaerophorus compressus var. candidum* Müll.Arg., *Sphaerophorus compressus var. compressus* Ach., *Sphaerophorus coralloides var. compressus* Taylor, *Sphaerophorus melanocarpus* (Sw.) DC., *Sphaerophorus melanocarpus f. angustior* (Reinke) Js. Murray, *Sphaerophorus melanocarpus f. delicatus* J.S. Murray, *Sphaerophorus melanocarpus f. macrophyllus* (Zahlbr.) Js. Murray, *Sphaerophorus melanocarpus f. melanocarpus* (Sw.) DC., *Sphaerophorus melanocarpus f. palmatus* Js. Murray, *Sphaerophorus melanocarpus f. prolifer* (F. Wilson) Js. Murray, *Sphaerophorus melanocarpus f. ramosissimus* Js. Murray, *Sphaerophorus melanocarpus f. subteres* (Zahlbr.) Js. Murray, *Sphaerophorus melanocarpus f. vividulus* (Colenso) Js. Murray, *Sphaerophorus melanocarpus subsp. formosanus* Zahlbr., *Sphaerophorus melanocarpus subsp. hawaiiensis* Ohlsson, *Sphaerophorus melanocarpus subsp. melanocarpus* (Sw.) DC., *Sphaerophorus melanocarpus var. candidus* (Müll.Arg.) Zahlbr., *Sphaerophorus melanocarpus var. melanocarpus* (Sw.) DC., *Sphaerophorus melanocarpus var. scrobiculatus* (C. Bab.) Js. Murray, *Stereocaulon melanocarpum* (Sw.) Raeusch.]
source: Müller (1879; as *Sphaerophoron compressum*), Nöske & Sipman (2004), Nöske et al. (2007), González et al. (2017b), Mandl (2007); Arvidsson... 5534 [GB], Løjtnant... 11687 [GB], Løjtnant... 11672 [GB], Lindström... 2358 [GB], Arvidsson... 6021 [GB], GB-0191725 [GB], Arvidsson... 1619 [GB], Arvidsson... 1983-07-08 [GB], Arvidsson... 1700 [GB], Øllgaard... 8642 [GB], Arvidsson... 4698 [GB], Arvidsson... 5756 [GB], Ståhl... 1987-03-07 [GB], Ståhl... 477 [GB], Arvidsson... 6985 [GB], Arvidsson... 6986 [GB], Arvidsson... 1945 [GB], Bolivar Freire 268 [INABIOEC-MECN-QCNE], Calvin R. Sperling 5171 [INABIOEC-MECN-QCNE], Marcelo Díaz-Andrade 31 [INABIOEC-MECN-QCNE], V. Hernández 33 [INABIOEC-MECN-QCNE], David Suárez Duque 325 [INABIOEC-MECN-QCNE], V. Hernández 35 [INABIOEC-MECN-QCNE], Telma Paredes 503 [INABIOEC-MECN-QCNE], Telma Paredes 445 [INABIOEC-MECN-QCNE], Telma Paredes 932 [INABIOEC-MECN-QCNE], Telma Paredes 446 [INABIOEC-MECN-QCNE], Palice... 2600 [QCAM], Palice, Z. 3793 [QCAM], Kulíšek... EC17 (PALICE 4573) [QCAM]

Burgella

Burgella flavoparmeliae Diederich & Lawrey

* = lichenicolous fungi (parasites on living lichens); on *Parmotrema*, source: Etayo (2017), Diederich et al. (2022); Etayo, J. 25640 [hb. Etayo]

Byssolecania

Byssolecania deplanata (Müll.Arg.) R. Sant.

[*Bacidia deplanata* (Müll.Arg.) Zahlbr., *Byssolecania fumosonigricans var. deplanata* (Müll.Arg.) Vězda, *Patellaria deplanata* Müll.Arg.]
source: Lücking (1999, 2008); Robert Lücking 96-119 [INABIOEC-MECN-QCNE], Robert Lücking 96-378 [INABIOEC-MECN-QCNE], Lücking, R. 96-83 [QCAM], Lücking, R. 96-378 [QCAM]

Byssolecania fumosonigricans (Müll.Arg.) R. Sant.

[*Bacidia fumosonigricans* (Müll.Arg.) Zahlbr., *Gonolecania fumosonigricans* (Müll. Arg.) Brusse, *Patellaria fumosonigricans* Müll.Arg., *Patellaria fumosonigricans var. fumosonigricans* Müll.Arg.]
source: Lücking (1999, 2008); Robert Lücking 96-555 [INABIOEC-MECN-QCNE], Robert Lücking 96-823 [INABIOEC-MECN-QCNE], Lücking, R. 96-552 [QCAM], Lücking, R. 96-554 [QCAM]

Byssolecania hymenocarpa (Vain.) Kalb, Vězda & Lücking

[*Gonolecania hymenocarpa* (Vain.) Zahlbr., *Lecaniella hymenocarpa* (Vain.) Vain., *Lecanora hymenocarpa* Vain.]
Palice, Z. s.n. [DUKE]

Byssolecania variabilis Vězda, Kalb & Lücking

source: Lücking (1999, 2008)

Byssoloma

Byssoloma amazonicum Kalb & Vězda

source: Lücking (1999, 2008); Lücking, R. 96-508 [QCAM]

Byssoloma aurantiacum Kalb & Vězda

source: Lücking (1999, 2008); Lücking, R. 96-819 [QCAM]

Byssoloma chlorinum (Vain.) Zahlbr.

[*Pilocarpon chlorinum* Vain.]
source: Lücking (1999, 2008); Nugra, F. 909 B [CDS], Lücking, R. 96-375 [QCAM], Lücking, R. 96-977 [QCAM]

Byssoloma discordans (Vain.) Zahlbr.

[*Pilocarpon discordans* Vain.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Rivas Plata, E. 4084 [CDS], Spielmann, A.A. 8153 C [CDS]

Byssoloma fadenii Vězda v

source: Lücking (1999, 2008); Lücking, R. 96-352 [QCAM]

Byssoloma guttiferae (Bat. & Peres) Lücking & Sérus. v

[*Crocicreomyces guttiferae* Bat. & Peres]
source: Lücking (1999, 2008); Lücking, R. 96-816 [QCAM]

Byssoloma leucoblepharum (Nyl.) Vain. v

[*Bacidia leucoblepharia var. leucoblepharia* (Nyl.) Wheldon & A. Wilson, *Bilimbia leucoblephara* (Nyl.) Arnold, *Bilimbia leucoblephara var. leucoblephara* (Nyl.) Arnold, *Lecidea leucoblephara* Nyl., *Patellaria leucoblephara* (Nyl.) Müll.Arg., *Patellaria leucoblephara var. fuscopallida* Müll.Arg., *Patellaria leucoblephara var. leucoblephara* (Nyl.) Müll.Arg., *Pilocarpon leucoblepharum* (Nyl.) Vain., *Pilocarpon leucoblepharum f. leucoblepharum* (Nyl.) Vain., *Pilocarpon leucoblepharum f. obscuratum* Zahlbr., *Pilocarpon leucoblepharum var. chloroticum* Samp., *Pilocarpon leucoblepharum var. leucoblepharum* (Nyl.) Vain., *Pilocarpon leucoblepharum var. poichilum* Vain.]
source: Lücking (1999, 2008); Aptroot, A. 64709 A [CDS], Aptroot, A. 64274 A [CDS], Bungartz, F. 7090 [CDS], Rivas Plata, E. 4097 [CDS], Spielmann, A.A. 8238 E [CDS], Bungartz, F. 7088 D [CDS], Bungartz, F. 8629 E [CDS], Bungartz, F. 9663 B [CDS], Lücking, R. 96-82 [QCAM], Lücking, R. 96-511 [QCAM], Lücking, R. 96-514 [QCAM], Lücking, R. 96-825 [QCAM], Lücking, R. 96-1132 [QCAM]

Byssoloma minutissimum Kalb & Vězda v

source: Lücking (1999, 2008); Bungartz, F. 7082 A [CDS], Lücking, R. 96-355 [QCAM], Lücking, R. 96-1144 [QCAM]

Byssoloma sprucei (C. Bab. ex Müll. Arg.) Lücking & M. Cáceres v

[*Bacidia leucoloma* (Müll.Arg.) Zahlbr., *Bacidia subternella* (Nyl.) R. Sant., *Biatorella conspersa f. leucoloma* (Müll.Arg.) Zahlbr., *Bilimbia sprucei* (C. Bab. ex Müll. Arg.) Riddle, *Catillaria subternella* (Nyl.) Zahlbr., *Fellhanera subternella* (Nyl.) Vězda, *Lecanora sprucei* C. Bab. ex Müll. Arg., *Lecidea leucoloma* (Müll.Arg.) Stizenb., *Lecidea sprucei* (C. Bab. ex Müll. Arg.) Nyl., *Lecidea subternella* Nyl., *Microphiale sprucei* (C. Bab. ex Müll. Arg.) Zahlbr., *Patellaria leucoloma* Müll.Arg., *Patellaria sprucei* Müll.Arg.]
source: Lücking (1999, 2008); Bungartz, F. 7320 C [CDS], Bungartz, F. 7326 B [CDS]

Byssoloma subdiscordans (Nyl.) P. James v

[*Bacidia leucoblepharia var. rupicola* Wheldon & A. Wilson, *Bacidia rotuliformis* (Müll.Arg.) Zahlbr., *Bilimbia leucoblephara var. rupicola* Wheldon & A. Wilson, *Byssoloma rotulifomre* (Müll.Arg.) R. Sant., *Byssoloma rotuliforme* (Müll.Arg.) R. Sant., *Chiodecton subdiscordans* Nyl., *Patellaria rotuliformis* Müll.Arg.]
source: Weber (1986), Elix & McCarthy (1998), Lücking (1999, 2008), Benítez et al. (2015), Chuquimarca et al (2019), Déleg et al. (2021); Aptroot, A. 63323 A [CDS], Aptroot, A. 63328 [CDS], Aptroot, A. 64611 [CDS], Bungartz, F. 7063 [CDS], Bungartz, F. 8193 [CDS], Bungartz, F. 8637 [CDS], Yánez-Ayabaca, A. 1496 C [CDS], Nugra, F. 927 [CDS], Rivas Plata, E. 4096 [CDS], Rivas Plata, E. 4093 [CDS], Herrera-Campos, M.A. 10657 E [CDS], Bungartz, F. 8283 C [CDS], Bungartz, F. 8278 C [CDS], Bungartz, F. 8276 B [CDS], Clerc, P. 08-355 A [CDS], Nugra, F. 909 A [CDS], Bungartz, F. 3948 B [CDS], Bungartz, F. 9663 C [CDS], Bungartz, F. 9364 B [CDS], Bungartz, F. 10971 B [CDS], Bungartz, F. 10974 [CDS], Benítez, A. 114 [HUTPL], Robert Lücking 96-366 [INABIOEC-MECN-QCNE], Robert Lücking 96-367 [INABIOEC-MECN-QCNE], Robert Lücking 96-797 [INABIOEC-MECN-QCNE], Robert Lücking 96-1018 [INABIOEC-MECN-QCNE], Robert Lücking 96-1139 [INABIOEC-MECN-QCNE], Lücking, R. 96-250 [QCAM], Lücking, R. 96-366 [QCAM], Lücking, R. 96-367 [QCAM], Lücking, R. 96-501 [QCAM]

Byssoloma tricholomum (Mont.) Zahlbr. v

[*Biatora tricholoma* Mont., *Bilimbia tricholoma* (Mont.) Fink]
source: Weber (1986), Elix & McCarthy (1998), Lücking (1999, 2008); Palice, Z.; Valencia, R. s.n. [DUKE], Robert Lücking 96-795 [INABIOEC-MECN-QCNE], Lücking, R. 96-506 [QCAM], Lücking, R. 96-1152 [QCAM]

Caeruleum

Caeruleum heppii (Nägeli ex Körb.) K. Knudsen & L. Arcadia v

[*Acarospora aeruginosa* Hasse, *Acarospora heppii* (Nageli ex Hepp) Nageli ex Körb., *Acarospora heppii f. heppii* (Nägeli) Nägeli, *Acarospora heppii f. luteopruinosa* Eitner, *Lecanora heppii* (Nägeli) Nyl., *Myriospora heppii* (Nägeli ex Körb.) Hue]
source: Knudsen (2012)

Calenia

Calenia atlantica M. Cáceres & Lücking v

source: Lücking (2008)

Calenia bullatinoides Lücking

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 10453 [CDS]

Calenia depressa Müll.Arg. v

source: Lücking (1999, 2008); Aptroot, A. 64263 B [CDS], Robert Lücking 96-669 [INABIOEC-MECN-QCNE], Robert Lücking 96-1106 [INABIOEC-MECN-QCNE]

Calenia dictyospora Lücking v

source: van den Boom et al. (2022)

Calenia graphidea Vain. v

source: Lücking (1999, 2008); Robert Lücking 96-731 [INABIOEC-MECN-QCNE]

Calenia lobulata Lücking v

source: Lücking (1999, 2008); Bungartz, F. 7325 C [CDS]

Calenia lueckingii C. Hartmann v

source: Lücking (1999, 2008), van den Boom et al. (2022); Robert Lücking 96-1214 [INABIOEC-MECN-QCNE], Robert Lücking 96-1053 [INABIOEC-MECN-QCNE]

Calenia monospora Vězda v

source: Lücking (1999, 2008)

Calenia phyllogena (Müll.Arg.) R. Sant. v

[*Phlyctidium phyllogenum* Müll.Arg.]
source: Lücking (1999, 2008), Lücking & Matzer (2001); R. Lücking 96-489 [WIS], R. Lücking 96-489 [F], Bungartz, F. 10054 E [CDS], F. Fagerlind 1953-01-20 [S], E. Almquist 194 z [S], Robert Lücking 96-127 [INABIOEC-MECN-QCNE], Robert Lücking 96-729 [INABIOEC-MECN-QCNE], Robert Lücking 96-996 [INABIOEC-MECN-QCNE]

Calenia solorinoides Lücking v

source: Lücking (1999, 2008), Lücking & Matzer (2001)

Calenia thelotremella Vain. v

source: Lücking (1999,2008)

Calenia triseptata Zahlbr. v

parasitized by *Gyalideopsis cochlearifera*, source: Lücking (1999, 2008), Etayo (2017); Z. Palice & R. Valencia s.n. [F], Palice, Z.; Valencia, R. s.n.

[DUKE], Z. Palice & R. Valencia 1999-08-12 [UPS], Robert Lücking ???? [INABIOEC-MECN-QCNE], Robert Lücking 96-1133 [INABIOEC-MECN-QCNE]

Calicium

Calicium hyperelloides Nyl.

source: Tibell (1996), van den Boom et al. (2022), Tibell & Kalb (1992); K. Kalb 18860 [WIS], K. Kalb 18861 [WIS]

Calicium robustellum Nyl.

native, indigenous; Bungartz, F. 7457 [CDS], Bungartz, F. 7436 [CDS], Bungartz, F. 7757 [CDS], Bungartz, F. 6802 [CDS], Bungartz, F. 10952 [CDS], Aptroot, A. 65428 [CDS], Aptroot, A. 65099 [CDS], Aptroot, A. 64552 [CDS], Aptroot, A. 64564 [CDS], Bungartz, F. 4298 [CDS], Bungartz, F. 3919 [CDS]

Calicium salicinum Pers.

[*Calicium claviculare var. trachelinum* Ach., *Calicium lichenoides* (L.) Schumach., *Calicium salicinum f. xylonella* (Ach.) Nádv., *Calicium salicinum var. xylonellum* (Ach.) Trevis., *Calicium sphaerocephalum* (L.) Ach., *Calicium sphaerocephalum f. epiphloeum* (Ach.) Erichsen, *Calicium sphaerocephalum f. tenuistipitatum* Roms, *Calicium sphaerocephalum f. trachelinum* (Ach.) Erichsen, *Calicium sphaerocephalum var. araucariarum* Zahlbr., *Calicium sphaerocephalum var. arenarium* (Nádv.) Zahlbr., *Calicium sphaerocephalum var. cinereofuscescens* (Vain.) Zahlbr., *Calicium sphaerocephalum var. crustosum* Turner & Borrer, *Calicium sphaerocephalum var. elattosporum* (F. Wilson) Zahlbr., *Calicium sphaerocephalum var. epiphloeum* Ach., *Calicium sphaerocephalum var. gyrocarpum* (Nádv.) Oxner, *Calicium sphaerocephalum var. meiocarpum* (F. Wilson) Zahlbr., *Calicium sphaerocephalum var. proliferum* Szatala & Timk, *Calicium sphaerocephalum var. rufescens* (Vain.) Zahlbr., *Calicium sphaerocephalum var. trachelinum* (Ach.) Branth & Rostr., *Calicium sphaerocephalum var. xylonellum* (Ach.) Wahlenb., *Calicium trachelinum* Ach., *Calicium trachelinum f. hemiphaeum* Nyl. ex Cromb., *Calicium trachelinum f. trachelinum* Ach., *Calicium trachelinum var. araucariarum* Zahlbr., *Calicium trachelinum var. cinereofuscescens* Vain., *Calicium trachelinum var. cinereorufescens* Vain., *Calicium trachelinum var. elattosporum* F. Wilson, *Calicium trachelinum var. hemiplodum* Nyl. ex Leight., *Calicium trachelinum var. meiocarpum* F. Wilson, *Calicium trachelinum var. rufescens* Vain., *Calicium trachelinum var. salicinum* (Pers.) Sacc., *Calicium trachelinum var. trachelinum* Ach., *Calicium xylonellum* Ach., *Cyphelium trachelinum* (Ach.) Chevall., *Phacotrum sphaerocephalum*, *Sphinctrina trachelinum* (Ach.) Leight.]
source: Tibell (1996), Tibell & Kalb (1992); K. Kalb 18859 [WIS], K. Kalb 18293 [WIS], K. Kalb 19384 [WIS], Arvidsson... 2314 [GB]

Calopadia

Calopadia bonitensis Cáceres & Lücking

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Nugra, F. 230 [CDS], Aptroot, A. 64525 B [CDS]

Calopadia cinereopruinosa Bungartz & Lücking

endemic to Galapagos, Type: Ecuador. Galápagos: Isla Sán Cristóbal, area W of Cerro Pelado on the way to El Ripioso, 0°52'S, 89°28'W, 400 m, transition zone, open *Psidium guajava* shrubland with *Macraea laricifolia* and dominant annual herb *Malachra capitata*, on bark and wood, dead twigs of *Psidium guajava*, sunny, wind- and rain-exposed, August 2008, Bungartz 8489 (CDS-41135 – holotype!), source: Lumbsch et al. (2011); Bungartz, F. 7295 [CDS], Bungartz, F. 8489 [CDS], Bungartz, F. 5480 [CDS], Bungartz, F. 9653 [CDS]

Calopadia editiae Vězda ex Chaves & Lücking

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, syn. *Calopadia pruinosa* Lücking & Chavez nom. nud., source: Lumbsch & et al. (2010); Bungartz, F. 8232 A [CDS], Bungartz, F. 8233 A [CDS], Bungartz, F. 8234 A [CDS], Aptroot, A. 63325 [CDS], Bungartz, F. 3477 [CDS], Bungartz, F. 3497 [CDS], Bungartz, F. 3706 [CDS], Bungartz, F. 4063 [CDS], Bungartz, F. 4212 [CDS], Bungartz, F. 4279 [CDS], Aptroot, A. 63344 [CDS], Aptroot, A. 63403 B [CDS], Aptroot, A. 63880 [CDS], Aptroot, A. 64292 [CDS], Aptroot, A. 64843 [CDS], Aptroot, A. 65756 [CDS], Nugra, F. 52 [CDS], Nugra, F. 155 [CDS], Nugra, F. 180 [CDS], Bungartz, F. 5519 [CDS], Nugra, F. 275 [CDS], Bungartz, F. 5775 [CDS], Nugra, F. 204 [CDS], Nugra, F. 210 [CDS], Nugra, F. 406 [CDS], Nugra, F. 426 [CDS], Nugra, F. 407 C [CDS], Clerc, P. 08-159 [CDS], Bungartz, F. 10048 [CDS], Nugra, F. 1137 [CDS], Spielmann, A.A. 10716 B [CDS], Herrera-Campos, M.A. 10634 C [CDS], Bungartz, F. 10978 A [CDS]

Calopadia foliicola (Fée) Vězda

[*Lecanora foliicola* Fée, *Lopadium foliicola* (Fée) R. Sant.]
source: Weber (1998; as *Lopadium foliicola*), Elix & McCarthy (1998), Lücking (1999, 2008), van den Boom et al. (2022); Bungartz, F. 5002 A [CDS], Bungartz, F. 5003 B [CDS], Bungartz, F. 8231 A [CDS], Rivas Plata, E. 4102 [CDS], Rivas Plata, E. 4094 [CDS], Spielmann, A.A. 10716 A [CDS], Bungartz, F. 10420 [CDS], Bungartz, F. 10421 [CDS], Bungartz, F. 10454 C [CDS], Bungartz, F. 10450 C [CDS], Bungartz, F. 8233 C [CDS], Bungartz, F. 7094 A [CDS], Aptroot, A. 64255 [CDS], Aptroot, A. 64282 [CDS], Aptroot, A. 64708 [CDS], Aptroot, A. 64264 [CDS], Aptroot, A. 64268 A [CDS], Erik Asplund L 194 i [S], Robert Lücking 96-374 [INABIOEC-MECN-QCNE], Robert Lücking 93-198 [INABIOEC-MECN-QCNE], Robert Lücking 96-1045 [INABIOEC-MECN-QCNE]

Calopadia fusca (Müll.Arg.) Vězda

[*Lopadium fuscum* Müll.Arg.]
source: Elix & McCarthy (1998), Lücking (1999, 2008), van den Boom et al. (2022); R. Lücking s.n. [WIS], Bungartz, F. 5004 A [CDS], Bungartz, F. 5006 A [CDS], Bungartz, F. 5008 A [CDS], Bungartz, F. 5010 [CDS], Bungartz, F. 5012 A [CDS], Spielmann, A.A. 8241 C [CDS], Spielmann, A.A. 8235 B [CDS], Bungartz, F. 8292 B [CDS], Bungartz, F. 7084 C [CDS], F. Fagerlind 2494 [S], Robert Lücking 96-1040 [INABIOEC-MECN-QCNE], Robert Lücking 96-1042 [INABIOEC-MECN-QCNE], Robert Lücking 96-379 [INABIOEC-MECN-QCNE]

Calopadia lecanorella (Nyl.) Kalb & Vězda

[*Heterothecium lecanorellum* (Nyl.) Müll. Arg., *Lecidea lecanorella* Nyl.]
K. Kalb 19678 [WIS], K. Kalb 19680 [WIS], K. Kalb 19694 [WIS], K. Kalb 19691 [WIS]

Calopadia perpallida (Nyl.) Vězda

[*Heterothecium perpallidum* (Nyl.) Müll.Arg., *Heterothecium perpallidum var. monosporum* Müll.Arg., *Heterothecium perpallidum var. perpallidum* (Nyl.) Müll.Arg., *Lecidea perpallida* Nyl., *Lopadium perpallidum* (Nyl.) Zahlbr.]
source: Lücking (2008), Nöske et al. (2007), van den Boom et al. (2022); Bungartz, F. 7059 A [CDS], Bungartz, F. 7057 B [CDS], Bungartz, F. 8230 A [CDS], Spielmann, A.A. 8239 A [CDS], Bungartz, F. 9385 A [CDS], Bungartz, F. 10451 A [CDS], Bungartz, F. 10457 [CDS], Bungartz, F. 8233 B [CDS], Bungartz, F. 3944 [CDS], Bungartz, F. 9365 [CDS], Bungartz, F. 10980 A [CDS], Bungartz, F. 10157 [CDS], Etayo, J. 17356 [hb. Etayo]

Calopadia phyllogena (Müll.Arg.) Vězda

[*Heterothecium phyllogenum* Müll.Arg., *Lecidea phyllogena* (Müll. Arg.) Vain., *Lopadium phyllogenum* (Müll.Arg.) Zahlbr., *Lopadium phyllogenum var. phyllogenum* (Müll.Arg.) Zahlbr.]
source: Lücking (1999, 2008), van den Boom et al. (2022); Bungartz, F. 7320 D [CDS], Yánez-Ayabaca, A. 1932 [CDS]

Calopadia puiggarii (Müll.Arg.) Vězda

[*Heterothecium puiggarii* Müll.Arg., *Heterothecium puiggarii var. lividum* Müll.Arg., *Heterothecium puiggarii var. puiggarii* Müll.Arg., *Heterothecium puiggarii var. versicolor* Müll.Arg., *Lopadium puiggarii* (Müll.Arg.) Zahlbr.]
source: Elix & McCarthy (1998), Lücking (1999, 2008), van den Boom et al. (2022); Aptroot, A. 63326 C [CDS], Bungartz, F. 5009 A [CDS], Bungartz, F. 5015 A [CDS], Bungartz, F. 5538 [CDS], Bungartz, F. 7057 C [CDS], Bungartz, F. 8228 [CDS], Bungartz, F. 8229 A [CDS], Truong, C. 1537 [CDS], Nugra, F. 910 A [CDS], Rivas Plata, E. 4090 [CDS], Bungartz, F. 10456 A [CDS], Bungartz, F. 10454 B [CDS], Bungartz, F. 10455 B [CDS], Bungartz, F. 10449 B [CDS], Bungartz, F. 10450 D [CDS], Spielmann, A.A. 8238 C [CDS], Spielmann, A.A. 8235 C [CDS], Bungartz, F. 8290 C [CDS], Bungartz, F. 8279 E [CDS], Bungartz, F. 8234 B [CDS], Bungartz, F. 7081 D [CDS], Bungartz, F. 7322 B [CDS], Bungartz, F. 7321 A [CDS], Bungartz, F. 7078 B [CDS], Bungartz, F. 7085 B [CDS], Bungartz, F. 8629 D [CDS], Bungartz, F. 8628 A [CDS], Bungartz, F. 8627 D [CDS], Bungartz, F. 8764 C [CDS], Bungartz, F. 9363 C [CDS], Bungartz, F. 9385 B [CDS], Aptroot, A. 64607 B [CDS], Bungartz, F. 9359 C [CDS], Bungartz, F. 9658 B [CDS], Bungartz, F. 9358 A [CDS], Bungartz, F. 9364 D [CDS], Bungartz, F. 9362 C [CDS], Nugra, F. 908 B [CDS], Bungartz, F. 10980 B [CDS], Bungartz, F. 10975 B [CDS]

Calopadia subcoerulescens (Zahlbr.) Vězda

[*Lopadium subcoerulescens* Zahlbr.]
source: Lücking (2008), van den Boom et al. (2022); Nugra, F. 219 [CDS], Nugra, F. 231 [CDS], Aptroot, A. 63403 A [CDS], Aptroot, A. 63404 A [CDS], Aptroot, A. 63806 [CDS], Bungartz, F. 3947 [CDS], Aptroot, A. 64842 [CDS], Bungartz, F. 5562 [CDS], Bungartz, F. 5567 [CDS], Aptroot,

A. 64706 [CDS], Aptroot, A. 65082 [CDS], Bungartz, F. 4234 [CDS], Bungartz, F. 4278 [CDS], Bungartz, F. 5773 [CDS], Bungartz, F. 4201 [CDS], Bungartz, F. 4211 [CDS], Aptroot, A. 65725 [CDS], Nugra, F. 292 [CDS], Nugra, F. 268 [CDS], Bungartz, F. 4197 [CDS], Nugra, F. 287 [CDS], Bungartz, F. 6870 [CDS], Bungartz, F. 7058 A [CDS], Nugra, F. 442 [CDS], Bungartz, F. 7057 D [CDS], Bungartz, F. 8591 [CDS], Bungartz, F. 8230 B [CDS], Bungartz, F. 8146 A [CDS], Aptroot, A. 65547 [CDS], Aptroot, A. 64609 B [CDS], Aptroot, A. 64607 A [CDS]

Caloplaca

Caloplaca brebissonii (Fée) J. Sant. ex Hafellner & Poelt

[*Blastenia brebissonii* (Fée) Müll.Arg., *Callopisma brebissonii* (Fée) Müll.Arg., *Lecanora brebissonii* (Fée) Nyl., *Lecanora brebissonii var. brebissonii* (Fée) Nyl., *Lecidea brebissonii* Fée, *Meroplacis brebissonii* (Fée) Clem., *Placodium brebissonii* (Fée) Vain., *Placodium brebissonii var. brebissonii* (Fée) Vain.]
source: Nöske et al. (2007); J. Etayo 25546 [hb. Etayo]

Caloplaca cerina (Ehrh. ex Hedwig) Th. Fr.

[*Blastenia cerina* (Hedw.) B. de Lesd., *Callopisma cerinum* (Hedw.) De Not., *Callopisma cerinum f. cerinum* (Hedw.) De Not., *Callopisma cerinum f. saxicola* Arnold, *Callopisma cerinum var. austroamericana* Räsänen, *Callopisma cerinum var. austroamericanum* Räsänen, *Callopisma cerinum var. cerinum* (Hedw.) De Not., *Callopisma cerinum var. cyanoleprum* (DC.) Walt. Watson, *Callopisma cerinum var. fuscum* A. Massal., *Callopisma cerinum var. microcarpum* Müll.Arg., *Callopisma cerinum var. sorocarpa* Vain., *Caloplaca cerina f. cerina* (Hedw.) Th. Fr., *Caloplaca cerina var. anthracina* (Ach.) H. Olivier, *Caloplaca cerina var. cerina*, *Caloplaca cerina var. chloroleuca* (Sm.) Th. Fr., *Caloplaca cerina var. cyanolepra* (DC.) J.J. Kickx, *Caloplaca cerina var. ehrhartii* (Schaer.) Trevis., *Caloplaca cerina var. microcarpa* (Müll.Arg.) Zahlbr., *Lecanora cerina* (Hedw.) Ach., *Lecanora cerina var. cerina* (Hedw.) Ach., *Lecanora cerina var. squamulosa* Wedd, *Lecidea cerina* (Hedw.) Schaer., *Lecidea cerina var. cerina* (Ehrh. ex Hedw.) Schaer., *Lecidea cerina var. ehrhartii* Schaer., *Lichen cerinus* Hedw., *Parmelia cerina* (Hedw.) Ach., *Parmelia cerina var. cerina* (Ehrh. ex Hedw.) Ach., *Parmelia cerina var. chrysaspis* Ach., *Parmelia cerina var. ravida* (Hoffm.) Ach., *Patellaria cerina* (Hedw.) Hoffm., *Patellaria cerina var. cerina* (Ehrh. ex Hedw.) Hoffm., *Patellaria cerina var. cyanolepra* DC., *Placodium cerinum* (Hedw.) Nägeli ex Hepp, *Placodium cerinum f. cerinum* (Hedw.) Nägeli ex Hepp, *Placodium cerinum f. dispersum* (H. Olivier) Szatala, *Placodium cerinum f. fuscum* (A. Massal.) Szatala, *Placodium cerinum var. cerinum* (Hedw.) Nägeli ex Hepp, *Placodium cerinum var. flavum* Anzi, *Rinodina cerina* (Hedw.) Gray, *Teloschistes cerinus* (Hedw.) Norman, *Verrucaria cerina* (Hedw.) Hoffm., *Zeora cerina* (Hedw.) Flot., *Zeora cerina var. cerina* (Ehrh. ex Hedw.) Flot.]
source: Davey (1999), van den Boom et al. (2022)

Caloplaca crocea (Kremp.) Hafellner & Poelt

[*Blastenia crocea* (Kremp.) Müll. Arg., *Blastenia subcerina* (Nyl.) B. de Lesd., *Callopisma australe* Müll.Arg., *Callopisma australe var. aurantiaca* Müll.Arg., *Callopisma australe var. aurantiacum* Müll.Arg., *Callopisma australe var. australe* Müll.Arg., *Callopisma xanthaspis* (Kremp.) Müll. Arg., *Caloplaca subcerina* (Nyl.) Zahlbr., *Caloplaca subcerina var. aurantiaca* (Müll.Arg.) Zahlbr., *Caloplaca subcerina var. subcerina* (Nyl.) Zahlbr., *Caloplaca verrucata* (Hue) Zahlbr., *Caloplaca xanthaspis* (Kremp.) H. Magn., *Lecanora erythroleuca var. subcerina* Nyl., *Lecanora verrucata* Hue, *Lecanora xanthaspis* Kremp., *Lecidea crocea* Kremp., *Lecidea subcerina* (Nyl.) Hue, *Placodium subcerinum* (Nyl.) Vain., *Triophthalmidium subcerina* (Nyl.) Gyeln.]
source: van den Boom et al. (2022); K. Kalb 18493 [WIS]

Caloplaca cupulifera (Vain.) Zahlbr.

[*Placodium cupuliferum* Vain.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2020b); Aptroot, A. 63720 [CDS], Bungartz, F. 9908 [CDS], Bungartz, F. 5981 [CDS], Bungartz, F. 6062 [CDS], Bungartz, F. 5380 [CDS], Bungartz, F. 7141 [CDS], Bungartz, F. 5407 [CDS], Bungartz, F. 6567 [CDS], Bungartz, F. 9746 [CDS]

Caloplaca floridana (Tuck.) S. Tucker

[*Blastenia floridana* (Tuck.) Zahlbr., *Callopisma floridanum* (Tuck.) Müll.Arg., *Callopisma floridanum var. floridanum* (Tuck.) Müll.Arg., *Lecanora floridana* Tuck., *Placodium floridanum* (Tuck.) Tuck.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, a specimen in COLO (56167), coll.: Pike has been identified as *Placodium floridanum*, source: Weber (1986), Elix & McCarthy (1998); Jonitz, H. 9 [CDS], Bungartz, F. 9533 [CDS], Bungartz, F. 9931 [CDS], Bungartz, F. 6408 [CDS], Nugra, F. 90 [CDS], Bungartz, F. 6521 [CDS], Bungartz, F. 7841 [CDS], Aptroot, A. 64727 [CDS], Bungartz, F. 3346 [CDS], Bungartz, F. 7265 [CDS], Bungartz, F. 7977 [CDS], Aptroot, A. 63739 [CDS], Aptroot, A. 65019 [CDS], Bungartz, F. 9901 [CDS], Bungartz, F. 5040 [CDS], Bungartz, F. 4461 [CDS], Truong, C. 1542 [CDS], Bungartz, F. 5349 [CDS], Bungartz, F. 4373 [CDS], Bungartz, F. 7935 [CDS], Bungartz, F. 4540 [CDS], Bungartz, F. 5675 [CDS], Bungartz, F. 4482 [CDS], Bungartz, F. 7217 [CDS], Bungartz, F. 7990 [CDS], Ertz, D. 11662 [CDS]

Caloplaca granularis (Müll.Arg.) Zahlbr.

[*Callopisma aurantiacum var. granulare* Müll.Arg., *Callopisma granulare* (Müll. Arg.) Malme, *Caloplaca aureosora* Poelt & Hinter., *Placodium granulare* (Müll. Arg.) Vain.]
Palice, Z. 3044 [MIN]

Caloplaca nigra Bungartz & Søchting

endemic to Galapagos, Holotype: Bungartz 6170 A [CDS 34382], source: Bungartz et al. (2020b); Bungartz, F. 6170 A [CDS], Bungartz, F. 6093 [CDS], Aptroot, A. 65023 [CDS]

Caloplaca obscurella (Körb.) Th. Fr.

[*Blastenia obscurella* J. Lahm, *Blastenia squamulata* (Nyl.) Zahlbr., *Callopisma obscurellum* (J. Lahm) J. Lahm, *Callopisma sarcopidoides* Körb., *Caloplaca refellens* (Nyl.) H. Olivier, *Caloplaca sarcopisioides* (Körb.) Zahlbr., *Caloplaca squamulata* (Nyl.) H. Olivier, *Lecanora obscurella f. obscurella* (J. Lahm) Nyl., *Lecanora refellens* Nyl., *Lecanora squamulata* Nyl., *Pannaria squamulata* (Nyl.) Hue, *Placodium obscurellum* (J. Lahm) Hepp, *Placodium refellens* (Nyl.) A.L. Sm., *Psoroma squamulatum* (Nyl.) Harm., *Pyrenodesmia obscurella* (J. Lahm) M. Choisy]
source: van den Boom et al. (2022)

Caloplaca pygmaea Wetmore

T.H. Nash III 23820 [ASU]

Caloplaca quadrilocularis (Nyl.) Zahlbr.

[*Blastenia quadrilocularis* (Nyl.) Zahlbr., *Callopisma quadriloculare* (Nyl.) Malme, *Caloplaca tetraphora* Zahlbr., *Lecanora quadrilocularis* (Nyl.) Nyl., *Lecidea quadrilocularis* Nyl., *Triophthalmidium quadrilocularis* (Nyl.) Gyeln.]
source: Nöske et al. (2007); K. Kalb 19445 [WIS]

Caloplaca subvitellina (Müll.Arg.) Zahlbr.

[*Callopisma subvitellinum* Müll.Arg.]
source: Kalb & Aptroot (2017)

Candelaria

Candelaria concolor (Dickson) Stein

[*Blasteniospora concolor* (Dicks.) Trevis., *Caloplaca concolor* (Dicks.) Jatta, *Caloplaca concolor var. concolor* (Dicks.) Jatta, *Caloplaca concolor var. vainioana* Räsänen, *Candelaria concolor f. concolor* (Dicks.) Arnold, *Candelaria concolor var. concolor* (Dicks.) Arnold, *Candelaria concolor var. effusa* (Tuck.) G. Merr. & Burnham, *Candelaria vulgaris* A. Massal., *Candelaria vulgaris f. vulgaris* A. Massal., *Lecanora concolor* (Dicks.) Lamy, *Lecanora concolor f. concolor* Ramond, *Lecanora concolor f. elata* (Arnold) Mig., *Lecanora concolor var. concolor* Ramond, *Lecanora concolor var. reagens* Werner, *Lichen concolor* Dicks., *Lobaria concolor* (Dicks.) Hoffm., *Physcia concolor* (Dicks.) Bagl. & Carestia, *Teloschistes concolor* (Dicks.) Tuck., *Teloschistes concolor var. concolor* (Dicks.) Tuck., *Xanthoria concolor* (Dicks.) Th. Fr.]
source: Ochoa-Jiménez et al. (2015), Chuquimarca et al (2019), van den Boom (2022); H. Balslev 3880 [NY], K. Kalb 19427 [WIS], K. Kalb 19419 [WIS], K.k 19411 [WIS], Arvidsson, Lars et al. 5700 [GB], Arvidsson... 855 [GB], Arvidsson... 1198 [GB], Arvidsson... 4669 [GB], Arvidsson... 4394 [GB], Arvidsson... 4536 [GB]

Candelaria fruticans Poelt & Oberw.

Lindström, Marie 981 a [GB], J. Etayo 17276 [hb. Etayo]

Candelaria pacifica M. Westb. & Arup

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, first published as nomen nudum by M. Westberg in Nash et al. (2002), then validated in M. Westb. & Arup, Bibl. Lich. 106: 358 (2011)., source: Nash & et al. (2002) Westberg & Arup (2011); Bungartz, F. 4107 [CDS], Bungartz, F. 10361 [CDS]

Candelariella

Candelariella corallizoides M. Westb.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 4816 [CDS], Aptroot, A. 63090 [CDS], Aptroot, A. 63714 [CDS], Aptroot, A. 64807 [CDS], Aptroot, A. 64118 [CDS], Bungartz, F. 5252 [CDS], Aptroot, A. 65734 [CDS], Bungartz, F. 4720 [CDS], Bungartz, F. 6230 [CDS], Bungartz, F. 5991 [CDS], Bungartz, F. 8738 [CDS], Bungartz, F. 8746 [CDS], Bungartz, F. 9045 [CDS], Bungartz, F. 9615 [CDS], Bungartz, F. 9408 [CDS]

Candelariella reflexa (Nyl.) Lettau

[*Caloplaca reflexa* (Nyl.) Flagey, *Candelaria reflexa* (Nyl.) Arnold, *Gyalolechia reflexa* (Nyl.) Dalla Torre & Sarnth., *Lecanora reflexa* (Nyl.) Nyl., *Lecanora vitellina var. reflexa* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 64829 [CDS], Aptroot, A. 64827 [CDS], Spielmann, A.A. 10533 [CDS], Spielmann, A.A. 10548 [CDS], Spielmann, A.A. 10581 [CDS], Nugra, F. 1075 [CDS], Bungartz, F. 10322 [CDS], Aptroot, A. 65222 [CDS]

Candelariella xanthostigma (Pers. ex Ach.) Lettau v

[*Blastenia xanthostigma* (Pers. ex Ach.) Müll. Arg., *Caloplaca xanthostigma* (Pers. ex Ach.) H. Olivier, *Candelaria xanthostigma* (Pers. ex Ach.) Kieff., *Candelariella lutella* (Vain.) Räsänen, *Candelariella vitellina f. lutella* (Vain.) Zahlbr., *Candelariella vitellina var. xanthostigma* (Pers. ex Ach.) Elenkin, *Lecanora xanthostigma* (Pers. ex Ach.) Röhl., *Lecanora xanthostigma var. lutella* Vain., *Lecanora xanthostigma var. xanthostigma* (Pers. ex Ach.) Röhl., *Lichen xanthostigmus* Pers. ex Ach.]
Arvidsson... 3619 [GB]

Canoparmelia

Canoparmelia caroliniana (Nyl.) Elix & Hale v

[*Canoparmelia amabilis* Heiman & Elix, *Parmelia caroliniana* Nyl., *Pseudoparmelia caroliniana* (Nyl.) Hale]
source: Hale (1976); Bungartz, F. 7124 [CDS], Bungartz, F. 7298 [CDS], Clerc, P. 08-385 [CDS], Bungartz, F. 8512 [CDS], Aptroot, A. 64680 [CDS], Nugra, F. 392 [CDS], Nugra, F. 70 B [CDS], Nugra, F. 285 [CDS], Aptroot, A. 65723 [CDS], Aptroot, A. 65702 [CDS], Bungartz, F. 6668 [CDS], Nugra, F. 71 [CDS], Bungartz, F. 4005 [CDS], Aptroot, A. 64757 [CDS], Bungartz, F. 4805 [CDS], Nugra, F. 391 [CDS], Aptroot, A. 65431 [CDS], Aptroot, A. 65056 [CDS], Herrera-Campos, M.A. 10651 [CDS], Yánez-Ayabaca, A. 1694 [CDS], Bungartz, F. 9394 [CDS], Yánez-Ayabaca, A. 1892 [CDS], Yánez-Ayabaca, A. 2015 [CDS], Spielmann, A.A. 10403 [CDS], Spielmann, A.A. 10410 [CDS], Spielmann, A.A. 10419 [CDS], Spielmann, A.A. 10434 [CDS], Spielmann, A.A. 10436 [CDS], Nugra, F. 1024 [CDS], Nugra, F. 1026 [CDS], Nugra, F. 1033 [CDS], Yánez-Ayabaca, A. 2142 [CDS], Bungartz, F. 3910 [CDS]

Canoparmelia cryptochlorophaea (Hale) Elix & Hale

[*Parmelia cryptochlorophaea* Hale, *Pseudoparmelia cryptochlorophaea* (Hale) Hale]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Ertz, D. 11810 [CDS], Bungartz, F. 7605 [CDS], Spielmann, A.A. 10712 [CDS], Bungartz, F. 8552 [CDS], Bungartz, F. 4915 [CDS]

Canoparmelia martinicana (Nyl.) Elix & Hale

[*Parmelia martinicana* Nyl., *Pseudoparmelia martinicana* (Nyl.) Hale]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Spielmann, A.A. 8157 [CDS], Bungartz, F. 9159 [CDS], Bungartz, F. 9925 [CDS], Yánez-Ayabaca, A. 1904 [CDS], Yánez-Ayabaca, A. 1996 [CDS], Bungartz, F. 8422 [CDS], Herrera-Campos, M.A. 10763 [CDS], Bungartz, F. 3562 [CDS], Bungartz, F. 7258 [CDS], Bungartz, F. 7261 [CDS], Bungartz, F. 7263 [CDS], Bungartz, F. 6761 [CDS], Bungartz, F. 6762 [CDS], Bungartz, F. 6320 [CDS], Aptroot, A. 64200 [CDS], Aptroot, A. 63963 [CDS], Bungartz, F. 9833 [CDS], Nugra, F. 476 [CDS], Bungartz, F. 6577 [CDS], Bungartz, F. 6397 [CDS], Aptroot, A. 63027 [CDS], Bungartz, F. 6406 [CDS], Aptroot, A. 64196 [CDS], Aptroot, A. 64199 [CDS], Yánez-Ayabaca, A. 1675 [CDS], Yánez-Ayabaca, A. 1690 [CDS], Yánez-Ayabaca, A. 1678 [CDS]

Canoparmelia texana (Tuck.) Elix & Hale v

[*Parmelia sublaevigata var. texana* (Tuck.) Nyl., *Parmelia texana* Tuck., *Pseudoparmelia texana* (Tuck.) Hale]
native, indigenous; T.H. Nash III 23812 [ASU], T.H. Nash III 23823 [ASU], T.H. Nash III 23823 [ASU], Aptroot, A. 65358 [CDS], Aptroot, A. 63230 [CDS]

Caprettia

Caprettia amazonensis Bat. & H. Maia v

source: Lücking (2008)

Capronia

Capronia amylacea Etayo v

* = lichenicolous fungi (parasites on living lichens); on *Erioderma divisum*, Holotype QCA, Etayo 17349, source: Etayo (2017); Etayo, J. 17349 [hb. Etayo], Etayo, J. 17349 [QCAM]

Capronia andina Etayo v

* = lichenicolous fungi (parasites on living lichens); on *Placopsis* sp. & *Placopsis parellina*, source: Etayo (2003, 2017); Etayo, J. 17353 [hb. Etayo], J. Etayo 19908 [hb. Etayo], J. Etayo 19922 [hb. Etayo], J. Etayo 19926 [hb. Etayo], Etayo, J. 26264 [hb. Etayo], Etayo, J. 26266 [hb. Etayo], J. Etayo 26305 [hb. Etayo]

Capronia epilobarina S.Y. Kondr. & D.J. Galloway v

* = lichenicolous fungi (parasites on living lichens); on *Lobariella sp. & Lobaria sp.*, Holotype BM, Fernandez 1088, source: Kondratyuk and Galloway (1995), Etayo (2017), Flakus et al. (2019)

Capronia etayoi Flakus & Kukwa v

* = lichenicolous fungi (parasites on living lichens); on *Cora squamiformis*, source: Etayo (2017); Etayo, J. 19961 [hb. Etayo], Etayo, J. 27030 [hb. Etayo]

Capronia hypotrachynae Etayo & Diederich v

* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna sp.*, source: Etayo (2017); Etayo, J. 20095 [hb. Etayo], Etayo, J. 25502 [hb. Etayo], Etayo, J. 26973 [hb. Etayo], Etayo, J. 26990 [hb. Etayo]

Capronia leopoldiana Etayo v

* = lichenicolous fungi (parasites on living lichens); on *Leptogium* sp., source: Etayo (2017); J. Etayo 17242 [hb. Etayo]

Capronia leptogii Etayo & Diederich v

* = lichenicolous fungi (parasites on living lichens); on *Leptogium*, source: Etayo (2017)

Capronia muellerelloides Etayo & Sipman v

* = lichenicolous fungi (parasites on living lichens); *on Heterodermia barbifera* and *H. comosa*, Holotype B, Sipman 53068, source: Etayo (2017)

Capronia normandinae R. Sant. & D. Hawksw. v

* = lichenicolous fungi (parasites on living lichens); on *Normandina* sp. & *Normandina pulchella*, source: Etayo (2017); Etayo, J. 17317 [hb. Etayo], Etayo, J. 20006 [hb. Etayo], Etayo, J. 26443 [hb. Etayo]

Capronia santessoniana Etayo v

* = lichenicolous fungi (parasites on living lichens); on *Dictyonema* sp., source: Etayo (2017); Etayo, J. 20179 [hb. Etayo]

Capronia solitaria Etayo

* = lichenicolous fungi (parasites on living lichens); on *Lobaria pulmonaria*, *Sticta* sp., *Heterodermia* sp., & *Rinodina sp.*, Holotype QCA, Etayo 19988, source: Etayo (2017); Etayo, J. 19988 [hb. Etayo], Etayo, J. 20008 [hb. Etayo], Etayo, J. 25741 [hb. Etayo], J. Etayo 19917 [hb. Etayo], J. Etayo 26286 [hb. Etayo], Etayo, J. & Palice, Z. 19988 [QCAM]

Capronia triseptata (Diederich) Etayo

[*Muellerella triseptata* Diederich]
* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp., source: Etayo (2017); J. Etayo 19921 [hb. Etayo], J. Etayo 26284 [hb. Etayo]

Catapyrenium

Catapyrenium exaratum Breuss

source: Breuss (1993)

Catapyrenium pilosellum Breuss

[*Placidium pilosellum* (Breuss) Breuss]
source: Castillo-Monroy et al. (2016)

Catapyrenium squamulosum (Ach.) Breuss

[*Catapyrenium squamulosum var. squamulosum* (Ach.) Breuss, *Dermatocarpella squamulosa* (Ach.) H. Harada, *Endocarpon pusillum var. squamulosum* (Ach.) Grognot, *Endocarpon squamulosum* Ach., *Placidium squamulosum* (Ach.) Breuss, *Placidium squamulosum var. squamulosum* (Ach.) Breuss]
source: Breuss (1993), Castillo-Monroy (2016); Arvidsson, Lars et al. 6144 [GB], Arvidsson... 2683 [GB], Arvidsson... 2730 [GB]

Catillaria

Catillaria baliola (Nyl.) Orange

[*Biatorina baliola* (Nyl.) Hellb., *Biatorina chalybeia subsp. chloroscotina* (Nyl.) A.L. Sm., *Biatorina lenticularis f. chloropoliza* (Nyl.) Arnold, *Biatorina lenticularis var. chloropoliza* (Nyl.) A.L. Sm., *Catillaria chalybeia var. chloropoliza* (Nyl.) H. Kilias, *Catillaria chloroscotina* (Nyl.) Arnold, *Catillaria lenticularis f. chloropoliza* Boistel, *Lecidea baliola* Nyl., *Lecidea chloropoliza* (Nyl.) Nyl., *Lecidea chloroscotina* Nyl., *Lecidea lenticularis f. chloropoliza* Nyl., *Lecidea spodoplaca f. baliola* (Nyl.) Hue, *Patellaria baliola* (Nyl.) Müll.Arg.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 63724 [CDS], Bungartz, F. 10001 [CDS]

Catillaria nigroclavata (Nyl.) Schuler

[*Bacidia declinis* (Tuck.) Zahlbr., *Biatora declinis* Tuck., *Biatorina nigroclavata* (Nyl.) Arnold, *Bilimbia declinis* (Tuck.) Fink, *Lecidea declinis* Nyl., *Lecidea nigroclavata* Nyl., *Microlecia nigroclavata* (Nyl.) M. Choisy]
source: van den Boom et al. (2022)

Catillaria versicolor G. Pant & D.D. Awasthi

Arvidsson, Lars et al. 6945 [GB]

Catinaria

Catinaria atropurpurea (Schaer.) Vězda & Poelt

[*Biatora atropurpurea* (Schaer.) Hepp, *Biatorina atropurpurea* (Schaer.) A. Massal., *Biatorina atropurpurea var. atropurpurea* (Schaer.) A. Massal., *Biatorina atropurpurea var. microspora* Arnold, *Bilimbia atropurpurea* (Schaer.) Branth & Rostr., *Catillaria atropurpurea* (Schaer.) Th. Fr., *Catillaria atropurpurea f. atropurpurea* (Schaer.) Th. Fr., *Catillaria atropurpurea f. ecrustacea* Szatala, *Catillaria atropurpurea f. gyaliza* (Nyl.) Vain., *Catillaria atropurpurea f. microspora* (Arnold) H. Olivier, *Catillaria atropurpurea subsp. neuschildii* (Körb.) Th. Fr., *Lecanora atropurpurea* (Schaer.) Hedl., *Lecidea atropurpurascens* Nyl., *Lecidea atropurpurea* (Schaer.) Leight., *Lecidea intermixta* Nyl., *Lecidea intermixta var. lignaria* Nyl., *Lecidea sphaeroides var. atropurpurea* Schaer., *Patellaria atropurpurea* (Schaer.) Müll. Arg.]
source: van den Boom et al. (2022); Bungartz, F. 4079 [CDS], Bungartz, F. 4146 [CDS], Bungartz, F. 7482 [CDS], Bungartz, F. 7779 [CDS], Aptroot, A. 65536 [CDS], Aptroot, A. 65198 A [CDS]

Celothelium

Celothelium cinchonarum (Müll. Arg.) Vain.

[*Leptorhaphis cinchonarum* (Müll. Arg.) Vain., *Tomasellia cinchonarum* Müll.Arg.]
source: van den Boom et al. (2022); R. C. Harris 17917 [NY]

Celothelium dominicanum (Vain.) M.B. Aguirre

[*Leptorhaphis dominicana* Vain.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 64343 [CDS]

Cercidospora

Cercidospora hypotrachynicola Etayo

* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp., Holotype QCA, Etayo 25436, source: Etayo (2017); Etayo, J. 25436 [hb. Etayo]

Cercidospora stenotropae Nav.-Ros. & Hafellner nom. inval.

* = lichenicolous fungi (parasites on living lichens); on *Lecanora polytropa*, source: Etayo (2017)

Cetraria

Cetraria aculeata (Schreber) Fr.

[*Bryopogon aculeatus* (Schreb.) Hazsl., *Cetraria aculeata f. aculeata* (Schreb.) Fr., *Cetraria aculeata var. aculeata* (Schreb.) Fr., *Cetraria aculeata var. sorediata* Du Rietz, *Cetraria tenuissima* (L.) Vain., *Cetraria tenuissima f. lignicola* Erichsen, *Cetraria tenuissima f. sorediella* Erichsen, *Cetraria tenuissima f. tenuissima* (L.) Vain., *Cetraria tenuissima var. campestris* (Schaer.) Erichsen, *Cetraria tenuissima var. tenuissima* (L.) Vain., *Cladonia aculeata* (Schreb.) Baumg., *Coelocaulon aculeatum* (Schreb.) Link, *Coelocaulon aculeatum f. aculeatum* (Schreb.) Link, *Coelocaulon aculeatum f. sorediatum* (Du Rietz) D. Hawksw., *Coelocaulon aculeatum subsp. aculeatum* (Schreb.) Link, *Coelocaulon tenuissimum* (L.) R. Howe, *Coralloides aculeatum* (Schreb.) Hoffm., *Cornicularia aculeata* (Schreb.) Ach., *Cornicularia aculeata f. acanthella* (Ach.) H. Magn., *Cornicularia aculeata f. aculeata* (Schreb.) Ach., *Cornicularia aculeata f. crinita* (Flörke) Grummann, *Cornicularia aculeata f. edentula* (Ach.) Grummann, *Cornicularia aculeata f. inermis* (Harm.) Grummann, *Cornicularia aculeata f. lignicola* (Erichsen) Grummann, *Cornicularia aculeata f. minutella* (Harm.) Lettau, *Cornicularia aculeata f. sorediella* (Erichsen) Grummann, *Cornicularia aculeata f. tenuis* Å.E. Dahl, *Cornicularia aculeata var. aculeata* (Schreb.) Ach., *Cornicularia aculeata var. alpina* Schaer., *Cornicularia aculeata var. campestris* (Schaer.) Rabenh., *Cornicularia aculeata var. crinita* Flörke, *Cornicularia aculeata var. edentula* Ach., *Cornicularia aculeata var. sorediata* (Du Rietz) Du Rietz, *Cornicularia aculeata var. spadicea* (Roth) Ach., *Cornicularia spadicea* (Roth) Ach., *Cornicularia tenuissima* (L.) Zahlbr., *Cornicularia tenuissima f. acanthella* (Ach.) Räsänen, *Cornicularia tenuissima f. alpina* (Schaer.) Erichsen, *Cornicularia tenuissima f. crinita* (Flörke) Zahlbr., *Cornicularia tenuissima f. edentula* (Ach.) Erichsen, *Cornicularia tenuissima f. inermis* (Harm.) Zahlbr., *Cornicularia tenuissima f. minutella* (Harm.) Zahlbr., *Cornicularia tenuissima f. sorediella* (Erichsen) Zahlbr., *Cornicularia tenuissima f. spadicea* (Roth) Navàs, *Cornicularia tenuissima f. tenuissima* (L.) Zahlbr., *Cornicularia tenuissima var. acanthella* (Ach.) Zahlbr., *Cornicularia tenuissima var. alpina* (Schaer.) Zahlbr., *Cornicularia tenuissima var. edentula* (Ach.) Zahlbr., *Cornicularia tenuissima var. spadicea* (Roth) Keissl., *Cornicularia tenuissima var. tenuissima* (L.) Zahlbr., *Lichen aculeatus* Schreb., *Lichen spadiceus* Roth, *Lichen tenuissimus* L., *Lobaria aculeata* (Schreb.) Hoffm., *Parmelia aculeata* (Schreb.) Spreng., *Parmelia spadicea* (Roth) Spreng., *Platysma aculeatum* (Schreb.) Frege]

source: Návas (1908), Sklenář et al. (2010), van den Boom et al. (2022)

Cetrariella

Cetrariella delisei (Bory ex Schaer.) Kärnefelt & Thell

[*Cetraria delisei* (Nyl.) Vain., *Cetraria delisei f. delisei* (Bory ex Schaer.) Nyl., *Cetraria delisei f. dilatata* (Vain.) Rass., *Cetraria delisei f. media* (Savicz) Rass., *Cetraria delisei f. subdilatata* (Vain.) Hasselrot, *Cetraria delisei subsp. delisei* (Bory ex Schaer.) Nyl., *Cetraria delisei subsp. fastigiata* Delise ex Nyl., *Cetraria delisei var. delisei* (Bory ex Schaer.) Nyl., *Cetraria delisei var. dilatata* (Vain.) Hasselrot, *Cetraria delisei var. tenuis* (Räsänen) Hasselrot, *Cetraria hiascens* (Fr.) Th. Fr., *Cetraria hiascens f. angustata* Norfl.{?} ex Räsänen, *Cetraria hiascens f. delisei* (Bory) Rass., *Cetraria hiascens f. dilatata* Rass., *Cetraria hiascens f. fastigiata* Delise, *Cetraria hiascens f. hiascens* (Fr.) Th. Fr., *Cetraria hiascens f. media* Savicz, *Cetraria hiascens f. subdilatata* Vain., *Cetraria hiascens var. delisei* (Bory) Vain., *Cetraria hiascens var. dilatata* Vain., *Cetraria hiascens var. hiascens* (Fr.) Th. Fr., *Cetraria hiascens var. rhizophora* Vain., *Cetraria hiascens var. tenuis* Räsänen]
Arvidsson, Lars et al. 7180 [GB], L. Arvidsson... 1985-03-02 [LD]

Chaenotheca

Chaenotheca brunneola (Ach.) Mull Arg.

[*Allodium brunneolum* (Ach.) Kieff., *Calicium brunneolum* Ach., *Calicium melanophaeum subsp. brunneolum* (Ach.) Nyl. ex Norrl., *Calicium trichiale var. brunneolum* (Ach.) Nyl., *Chaenotheca hygophila*, *Cyphelium brunneolum* (Ach.) De Not., *Cyphelium trichiale var. brunneolum* (Ach.) Mudd, *Embolus brunneolus* (Ach.) Wallr., *Phacotium brunneolum* (Ach.) Trevis.]
source: Fernández-Prado et al. (2022), van den Boom et al. (2022)

Chaenotheca chlorella (Ach.) Müll.Arg.

[*Calicium carthusiae* Harm., *Calicium chlorellum* Ach., *Chaenotheca carthusiae* (Harm.) Lettau, *Chaenotheca carthusiae f. carthusiae* (Harm.) Lettau, *Chaenotheca carthusiae f. galiciense* Tobol., *Chaenotheca carthusiae f. moravica* Nádv., *Chaenotheca phaeocephala var. chlorella* (Ach.) Th. Fr., *Phacotium chlorellum* (Ach.) Poetsch]
source: Flakus et al. (2013)

Chaenotheca chloroxantha Tibell

native, indigenous, source: Bungartz et al. (2013c); Clerc, P. 08-361 [CDS], Bungartz, F. 8509 [CDS], Bungartz, F. 8226 [CDS]

Chaenotheca citriocephala (F. Wilson) Tibell

[*Coniocybe citriocephala* F. Wilson]
source: Tibell (1996)

Chaenotheca olivaceorufa Vain.

source: Fernández-Prado et al. (2022), van den Boom et al. (2022)

Chaenotheca sphaerocephala Nádv.

source: Flakus et al. (2013)

Chaenothecopsis

Chaenothecopsis arthoniae Tibell

* = lichenicolous fungi (parasites on living lichens); on *Arthonia* sp., source: Etayo (2017)

Chaenothecopsis brevipes Tibell

* = lichenicolous fungi (parasites on living lichens); on *Lecanactis epileuca*, source: Etayo (2017; as *C.* cf. *brevipes*)

Chaenothecopsis kalbii Tibell & K. Ryman

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 65086 [CDS]

Chaenothecopsis pilosa Tibell & Kalb

* = lichenicolous fungi (parasites on living lichens); on unidentified lichens with *Trentepohlia* as photobiont, source: Etayo (2017)

Chaenothecopsis rubina Tibell

* = lichenicolous fungi (parasites on living lichens); on *Pyrgidium montellicum*, source: Etayo (2017)

Chaenothecopsis sagenidii Tibell

* = lichenicolous fungi (parasites on living lichens); on unidentified lichens with *Trentepohlia* as photobiont, source: Etayo (2017, as *Chaenothecopsis* aff. *sagenidii*); Etayo, J. 20083 [hb. Etayo]

Chaenothecopsis savonica (Räsänen) Tibell

[*Chaenotheca savonica* (Räsänen) Tibell, *Mycocalicium savonicum* Räsänen]
* = lichenicolous fungi (parasites on living lichens); on unidentified lichens and algae, source: Tibell (1996), Etayo (2017)

Chaenothecopsis viridireagens (Nádv.) Alb. Schmidt

[*Calicium viridireagens* Nádv.]
* = lichenicolous fungi (parasites on living lichens); on *Chaenotheca* sp., source: Etayo (2017)

Chapsa

Chapsa alborosella (Nyl.) Frisch

[*Chroodiscus alborosellus* (Nyl.) Kalb, *Graphis alborosella* Nyl., *Ocellularia alborosella* (Nyl.) R. Sant., *Thelotrema alborosellum* (Nyl.) Tuck.]
source: Nöske et al. (2007); Klara Scharnagl 2019 [MSC], Klara Scharnagl 2063 [MSC]

Chapsa cinchonarum (Fée) Frisch

[*Urceolaria cinchonarum* Fée]
source: van den Boom et al. (2022)

Chapsa diploschistoides (Zahlbr.) Frisch

[*Ocellularia diploschistoides* Zahlbr.]
source: Chuquimarca et al (2019), Benítez et al. (2019); Benítez, A. 12 [HUTPL]

Chapsa francisci Sipman

Holotype B, Sipman & Mandl 51330, source: Sipman (2014)

Chapsa leprocarpa (Nyl.) Frisch

[*Graphina leprocarpa* (Nyl.) Zahlbr., *Graphis leprocarpa* Nyl., *Thelotrema leprocarpum* (Nyl.) Tuck.]
source: van den Boom et al. (2022)

Chiodecton

Chiodecton effusum Fée

[*Chiodecton endoleucum* Müll.Arg., *Enterographa effusa* (Fée) A. Massal., *Syncesia effusa* (Fée) Tehler]
source: Benítez (2016), Benítez et al. (2019); Benítez, A. 79 [HUTPL]

Chiodecton leptosporum Müll.Arg.

source: Fernández-Prado et al. (2022)

Chiodecton malmei G. Thor

source: van den Boom et al. (2022)

Chiodecton sphaerale Ach.

[*Melanodecton sphaerale* (Ach.) A. Massal.]
source: Benítez et al. (2015), Benítez (2016), van den Boom et al. (2022); Benítez, A. 117 [HUTPL]

Chionosphaera

Chionosphaera apobasidialis Cox

* = lichenicolous fungi (parasites on living lichens); on *Sticta weigelii*, source: Etayo (2017)

Chondronectria

Chondronectria eriodermaticola Etayo, Flakus & Kukwa

* = lichenicolous fungi (parasites on living lichens); on *Erioderma* sp., Holotype LPB, Etayo 27685, source: Etayo (2017)

Chroodiscus

Chroodiscus australiensis Vězda & Lumbsch

source: Lücking (1999, 2008), Lücking & Grube (2002); Robert Lücking 96-894 [INABIOEC-MECN-QCNE]

Chroodiscus coccineus (Leight.) Müll. Arg.

[*Phyllophthalmaria coccinea* (Leight.) Zahlbr., *Platygrapha coccinea* Leight.]
source: Lücking (1999, 2008), Lücking & Matzer (2001), Lücking & Grube (2002), van den Boom et al. (2022); R. C. Harris 17893 [NY], R. Lücking 96-954 [WIS], Robert Lücking 96-1001 [INABIOEC-MECN-QCNE], Robert Lücking 96-704 [INABIOEC-MECN-QCNE], Robert Lücking 96-129 [INABIOEC-MECN-QCNE], Robert Lücking 96-989 [INABIOEC-MECN-QCNE], Robert Lücking 96-453 [INABIOEC-MECN-QCNE]

Chrysothrix

Chrysothrix candelaris (L.) J. R. Laundon

[*Crocynia flava* (Schreb.) Hue, *Lepra candelaris* (L.) Wiggers, *Lepraria candelaria* (L.) Fr., *Lepraria flava* (Schreb.) Ach., *Lepraria flava f. flava* (Schreb.) Ach., *Lepraria flava f. quercina* Zopf, *Lichen flavus* Schreb.]
parasitized by *Phoma dubia*, source: Etayo (2017), Chuquimarca et al (2019); Bungartz, F. 10759 [CDS], Etayo, J. 25371 [hb. Etayo], Etayo, J. 25876 [hb. Etayo], Etayo, J. 26239 [hb. Etayo], J. Etayo 26303 [hb. Etayo]

Chrysothrix chlorina (Ach.) J. R. Laundon

[*Caliciella corynella var. chlorina* (Ach.) Räsänen, *Calicium chlorinum* (Ach.) Schaer., *Calicium chlorinum f. albipes* (Vain.) Keissl., *Calicium chlorinum f. chlorinum* (Ach.) Schaer., *Calicium chlorinum subsp. paroicum* (Ach.) Körb., *Calicium chlorinum var. chlorinum* (Ach.) Schaer., *Calicium chlorinum var. exsertum* (Nyl.) Keissl., *Coniocybe chlorina* (Ach.) Rabenh., *Crocynia chlorina* (Ach.) Hue, *Lepraria chlorina* (Ach.) Ach., *Lichen chlorinus* Ach., *Pulveraria chlorina* (Ach.) Ach., *Trachylia chlorina* (Ach.) Rabenh.]
source: Nöske & Sipman (2004), Nöske et al. (2007)

Chrysothrix chrysophthalma (P. James) P. James & J. R. Laundon

[*Micarea chrysophthalma* P. James]
source: Benítez et al. (2015), Benítez (2016); Benítez, A. 118 [HUTPL]

Chrysothrix galapagoana K. Knudsen & Bungartz

endemic to Galapagos, Holotype: Bungartz 9756 [CDS 47073]; previously reported as *Chrysothrix* aff. *occidentalis* Elix & Kantivalis, source: Bungartz et al. (2013c), Knudsen & Bungartz (2013); Bungartz, F. 7406 [CDS], Bungartz, F. 7968 [CDS], Bungartz, F. 6493 [CDS], Bungartz, F. 6495 [CDS], Bungartz, F. 6646 [CDS], Bungartz, F. 5256 [CDS], Bungartz, F. 8981 [CDS], Bungartz, F. 8987 [CDS], Bungartz, F. 8990 [CDS], Bungartz, F. 9000 [CDS], Bungartz, F. 9095 [CDS], Bungartz, F. 9756 [CDS], Bungartz, F. 9821 [CDS]

Chrysothrix xanthina (Vain.) Kalb

[*Lepraria xanthina* Vain.]
source: Bungartz et al. (2013c), Kalb (2001), Knudsen & Bungartz (2013), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Benítez et al. (2019), Fernández-Prado et al. (2022), van den Boom et al. (2022); K. Kalb 19466 [WIS], T. Hill 1872-00-00 [FH], A. Higgins & M. Higgins 1971-03-25 [FH], A. Higgins & M. Higgins 1971-03-18 [FH], Aptroot, A. 63053 [CDS], Bungartz, F. 5391 [CDS], Bungartz, F. 6083 [CDS], Bungartz, F. 3633 [CDS], Aptroot, A. 64139 [CDS], Bungartz, F. 4560 [CDS], Bungartz, F. 3879 [CDS], Aptroot, A. 64022 [CDS], Bungartz, F. 5731 [CDS], Bungartz, F. 6766 [CDS], Bungartz, F. 3315 [CDS], Bungartz, F. 5826 [CDS], Bungartz, F. 4571 [CDS], Bungartz, F. 5103 [CDS], Bungartz, F. 6487 [CDS], Aptroot, A. 65256 [CDS], Bungartz, F. 5982 [CDS], Bungartz, F. 5104 [CDS], Nugra, F. 293 [CDS], Bungartz, F. 6814 [CDS], Bungartz, F. 6969 [CDS], Nugra, F. 473 [CDS], Nugra, F. 491 [CDS], Bungartz, F. 7176 [CDS], Bungartz, F. 7366 [CDS], Bungartz, F. 7515 [CDS], Bungartz, F. 7804 [CDS], Nugra, F. 562 [CDS], Bungartz, F. 8191 [CDS], Bungartz, F. 8445 [CDS], Bungartz, F. 8555 [CDS], Jonitz, H. 11 [CDS], Bungartz, F. 9401 [CDS], Bungartz, F. 10109 [CDS], Bungartz, F. 10276 [CDS], Yánez-Ayabaca, A. 1915 [CDS], Bungartz, F. 1041 [CDS], Nugra, F. 1123 [CDS], Bungartz, F. 5274 [CDS], Bungartz, F. 8870 [CDS], Jaramillo, P. 2823 [CDS], Pozo, P. 2011 A [CDS], Aptroot, A. 63121 [CDS], Bungartz, F. 5063 [CDS], Bungartz, F. 10329 [CDS], Ertz, D. 11743 [CDS], Hillmann, G. GAL-129 [CDS], Bungartz, F. 5294 [CDS], Bungartz, F. 7962 [CDS], Bungartz, F. 10413 [CDS], Bungartz, F. 4082 [CDS], Bungartz, F. 8832 [CDS], Bungartz, F. 3374 [CDS], Bungartz, F. 4596 [CDS], Bungartz, F. 9123 [CDS], Bungartz, F. 7334 [CDS], Aptroot, A. 64450 [CDS], Nugra, F. 878 [CDS], Ertz, D. 11808 [CDS], Weber, W.A. s.n. [CDS], Yánez-Ayabaca, A. 2141 [CDS], Pozo, P. 2011 B [CDS], Benítez, A. 15 [HUTPL]

Cladia

Cladia aggregata (Sw.) Nyl.

[*Cenomyce australis* Pers., *Cenomyce diatrypa* Taylor, *Cenomyce terebrata* Laurer, *Cladia collodes* (Hook. f. & Taylor) C.W. Dodge, *Cladia taylorii* C.W. Dodge, *Cladonia aggregata* (Sw.) Spreng., *Cladonia aggregata f. aggregata* (Sw.) Spreng., *Cladonia aggregata f. cetrarioides* Hellb., *Cladonia aggregata f. subdivergens* Hellb., *Cladonia aggregata subsp. aggregata* (Sw.) Spreng., *Cladonia aggregata subsp. neutra* Räsänen, *Cladonia aggregata subsp. subminiata* Räsänen, *Cladonia aggregata var. aggregata* (Sw.) Spreng., *Cladonia aggregata var. cetrarioides* (Hellb.) Räsänen, *Cladonia aggregata var. straminea* Müll.Arg., *Cladonia aggregata var. subdivergens* (Hellb.) Räsänen, *Cladonia aggregata var. tenera* F. Wilson, *Cladonia australis* (Pers.) Sambo, *Cladonia cornicularia* Flörke, *Cladonia gorgonea var. subrangiferina* Nyl., *Cladonia gorgonina* (Bory) Vain., *Cladonia gorgonina f. decumbens* Abbayes, *Cladonia gorgonina f. gorgonina* (Bory) Vain., *Cladonia gorgonina var. gorgonina* (Bory) Vain., *Cladonia gorgonina var. subrangiferina* (Nyl.) Vain., *Cladonia gorgonina var. turgidior* (Nyl.) Vain., *Cladonia neocaledonica* Räsänen, *Cladonia terebrata* (Laurer) Flörke, *Coralloides gorgonina* Bory, *Dufourea collodes* Hook. f. & Taylor, *Lichen aggregatus* Sw., *Stereocaulon aggregatum* (Sw.) Raeusch.]
source: Müller (1879), Romeguère (1879), Weber (1981, 1986), Elix & McCarthy (1998), Ahti (2000), Nöske & Sipman (2004), Nöske et al. (2007), Mandl (2007), Yánez-Ayabaca et al. (2013), González et al. (2017a, b), González et al. (2019); Elix & McCarthy (1998), Weber (1981, 1986), Yánez-Ayabaca et al. (2013), Fernández-Prado et al. (2022), van den Boom et al. (2022); W.A. Weber 1976-04-11 [ASU], R.C. Harris 17117 [ASU], Weber, W. A 130577 [MSC], Weber, W. 55403 [MIN], Harris, R. 16840 [MIN], William A. Weber 1976-04-11 [BRY], Richard C Harris 16840 [WIS], W.A. Weber s.n. [WIS], W.A. Weber... 1976-04-11 [UPS], W. A. Weber & J. Lanier 1976-04-11 [FH], W.A. Weber, J. Lanier 1976-04-11 [BG], W.A. Weber, J. Lanier 497 [UBC], Weber, W.A. s.n. [CDS], Aptroot, A. 63205 [CDS], Bungartz, F. 3971 [CDS], Ertz, D. 11709 [CDS], Bungartz, F. 7287 [CDS], Clerc, P. 08-122 [CDS], Bungartz, F. 8151 [CDS], Holm-Nielsen... 4871 [GB], Holm-Nielsen... 4874 [GB], Holm-Nielsen... 3590 [GB], Holm-Nielsen... 3912 [GB], Holm-Nielsen... 6712 [GB], Løjtnant... 13030 [GB], Andersson, Lennart 1509 [GB], Lindström... 2431 [GB], Arvidsson... 1067 [GB], Arvidsson... 1299 [GB], Arvidsson... 1300 [GB], Arvidsson... 4257 [GB], Arvidsson... 4337 [GB], Arvidsson... 4383 [GB], Arvidsson... 4384 [GB], Arvidsson... 4475 [GB], Arvidsson, Lars et al. 5774 [GB], Arvidsson, Lars et al. 6155 [GB], Arvidsson, Lars et al. 6101 [GB], Arvidsson, Lars et al. 6859 [GB], Arvidsson, Lars et al. 6860 [GB], Arvidsson, Lars et al. 6513 [GB], Arvidsson, Lars et al. 6512 [GB], Arvidsson, Lars et al. 7003 [GB], Arvidsson, Lars et al. 7034 [GB], Arvidsson, Lars et al. 7089 [GB], Arvidsson, Lars et al. 7111 [GB], Arvidsson, Lars et al. 7115 [GB], Arvidsson, Lars et al. 7174 [GB], Arvidsson, Lars et al. 7195 [GB], Arvidsson, Lars et al. 7230 [GB], Aridsson, Lars et al. 7255 [GB], Aridsson, Lars et al. 7278 [GB], Arvidsson... 4474 [GB], Arvidsson... 4474 [GB], Arvidsson... 4475 [GB], Telma Paredes 553 [INABIOEC-MECN-QCNE], Telma Paredes 560 [INABIOEC-MECN-QCNE], Telma Paredes 665 [INABIOEC-MECN-QCNE], Telma Paredes

629 [INABIOEC-MECN-QCNE], Telma Paredes 825 [INABIOEC-MECN-QCNE], Telma Paredes 632 [INABIOEC-MECN-QCNE], Telma Paredes 606 [INABIOEC-MECN-QCNE], Telma Paredes 807 [INABIOEC-MECN-QCNE], Etayo, J. 25701 [hb. Etayo], Etayo, J. 25772 [hb. Etayo]

Cladonia

Cladonia aleuropoda Vain.

source: Ahti (1992), Ahti (2000), González et al. (2017a, b); Lois Brako 4747 [WIS], Richard C. Harris 17364 [WIS], Lois Brako 4347 [WIS], Holm-Nielsen... 5660 a [GB], Arvidsson... 2719 [GB], Arvidsson... 2743 [GB], Arvidsson... 2997 [GB], Arvidsson... 3369 [GB], Arvidsson... 3398 [GB], Arvidsson... 4219 [GB], Arvidsson... 4226 [GB], Arvidsson... 4277 [GB], Arvidsson... 4280 [GB], Arvidsson, Lars et al. 5560 [GB], Arvidsson, Lars et al. 5562 [GB], Arvidsson, Lars et al. 5565 [GB], Arvidsson, Lars et al. 5854 [GB], Arvidsson, Lars et al. 5859 [GB], Arvidsson, Lars et al. 5914 [GB], Arvidsson, Lars et al. 5994 [GB], Arvidsson, Lars et al. 5995 [GB], Arvidsson, Lars et al. 5996 [GB], Arvidsson, Lars et al. 6148 [GB], Arvidsson, Lars et al. 6149 [GB], Arvidsson, Lars et al. 6484 [GB], Arvidsson, Lars et al. 6485 [GB], Arvidsson, Lars et al. 6501 a [GB], Arvidsson, Lars et al. 6504 [GB], Arvidsson, Lars et al. 6520 [GB], Arvidsson, Lars et al. 6521 [GB], Arvidsson, Lars et al. 6522 [GB], Arvidsson, Lars et al. 7052 [GB], Arvidsson, Lars et al. 7170 c [GB], Arvidsson, Lars et al. 7171 [GB], Arvidsson, Lars et al. 7172 [GB], Arvidsson, Lars et al. 7176 [GB]

Cladonia anaemica (Nyl.) Ahti

[*Cladonia miniata var. anaemica* (Nyl.) Zahlbr., *Cladonia sanguinea f. anaemica* Nyl., *Cladonia sanguinea var. anaemica* Nyl.]
problematic, no modern record, source: Müller (1879), Romeguère (1879)

Cladonia andesita Vain.

source: Ahti (2000), Nöske & Sipman (2004), Nöske et al. (2007), González et al. (2017b, 2019), van den Boom et al. (2022); Arvidsson... 3607 [GB], Arvidsson... 4281 [GB], Arvidsson... 4290 [GB], Arvidsson... 1068 [GB], Arvidsson... 1070 [GB], Arvidsson... 2068 [GB], Arvidsson... 2068 [GB], Arvidsson, Lars et al. 6018 [GB], Arvidsson, Lars et al. 7114 [GB], Arvidsson, Lars et al. 7170 [GB], Arvidsson, Lars et al. 7179 [GB]

Cladonia arbuscula (Wallr.) Rabenh.

[*Cladina arbuscula* (Wallr.) Hale & Culb., *Cladonia sylvatica* (L.) Rab., *Cladonia sylvatica sylvatica*, *Cladonia sylvatica f. caerulescens* Schade, *Cladonia sylvatica f. decumbens* Anders, *Cladonia sylvatica f. fissa* Anders, *Cladonia sylvatica f. gigantea* (Bory) Vain., *Cladonia sylvatica f. grandis* Flörke, *Cladonia sylvatica f. inactiva* Asahina, *Cladonia sylvatica f. penicillata* Anders, *Cladonia sylvatica f. polycarpia* Plk.{?}, *Cladonia sylvatica f. pygmaea* Sandst., *Cladonia sylvatica f. sphagnoides* (Hepp) Parrique, *Cladonia sylvatica f. subspumosa* Coem., *Cladonia sylvatica f. turgida* Anders, *Cladonia sylvatica var. eusylvatica* Kugan{?}, *Cladonia sylvatica var. laevigata* Vain., *Cladonia sylvatica var. pycnoclada* (Pers.) Pers., *Cladonia sylvatica var. scabrosa* Leight.]
Arvidsson, Lars et al. 6509 [GB], Arvidsson, Lars et al. 6857 [GB], Arvidsson, Lars et al. 6868 [GB], Arvidsson, Lars et al. 7229 [GB], Arvidsson, Lars et al. 7030 [GB], Arvidsson, Lars et al. 7031 [GB], Arvidsson, Lars et al. 7032 [GB]

Cladonia arbuscula subsp. arbuscula (Wallr.) Flot.

[*Cladina arbuscula subsp. arbuscula* (Wallr.) Burgaz, *Cladina arbuscula subsp. imshaugii* (Ahti) Ahti, *Cladina arbuscula subsp. pachyderma* Ahti]
source: González et al. (2017b, 2019), Fernández-Prado et al. (2022)

Cladonia arbuscula subsp. boliviana (Ahti) Ahti & DePriest

[*Cladina arbuscula subsp. boliviana* (Ahti) Ahti, *Cladina boliviana* (Ahti) Ahti, *Cladonia boliviana* Ahti]
source: González et al. (2017a, b), Ahti (2000), Nöske & Sipman (2004), Nöske et al. (2007), Yánez-Ayabaca et al. (2013), Fernández-Prado et al. (2022); Bungartz, F. 8338 [CDS], Holm-Nielsen... 622 [GB], Holm-Nielsen... 3730 [GB], Arvidsson... 4275 [GB], Arvidsson... 4282 [GB], Arvidsson... 4650 [GB], Arvidsson... 1501 [GB], Arvidsson... 1502 [GB]

Cladonia arcuata Ahti

[*Cladina arcuata* (Ahti) Ahti & Follmann]
source: Weber (1986; *Cladina sandstedei*), Ahti (2000), Nöske & Sipman (2004), Nöske et al. (2007), Mandl (2007), Yánez-Ayabaca et al. (2013); R.C. Harris 17775 [ASU], Bungartz, F. 7495 [CDS], Bungartz, F. 7739 [CDS], Bungartz, F. 8341 [CDS], Ertz, D. 11823 [CDS], Herrera-Campos, M.A. 10706 [CDS], Herrera-Campos, M.A. 10711 [CDS], Truong, C. 1512 [CDS], Nugra, F. 1095 [CDS], Arvidsson, Lars et al. 7228 [GB], Arvidsson... 6508 [GB], Arvidsson... 6510 [GB], Arvidsson... 6511 [GB], Arvidsson... 6858 [GB], Arvidsson... 4221 [GB], Arvidsson... 4224 [GB], Arvidsson... 1065 [GB], Løjtnant et al. 14341 [GB], Øllgaard... 9559 [GB], Holm-Nielsen et al. 3572a [GB], R. C. Harris 1983-12-17 [LD], Etayo, J. 25703 [hb. Etayo]

Cladonia bangii Ahti

source: Fernández-Prado et al. (2022)

Cladonia borbonica Nyl.

[*Cladonia degenerans var. ramosa* Nyl., *Cladonia physodalica* Elix, *Cladonia poeciloclada* Abbayes, *Cladonia poeciloclada f. brachiata* Abbayes, *Cladonia poeciloclada f. poeciloclada* Abbayes]
source: Ahti (2000); Arvidsson... 5794 [GB], Erik Asplund L420 [S]

Cladonia bungartzii Yánez-Ayabaca & Ahti

endemic to Galapagos, Holotype: Bungartz 5744 [CDS 33396]; IUCN: Critical B2a, b(ii, iii), D, (preliminary assessment), source: Yánez-Ayabaca et al. (2013); Bungartz, F. 5744 [CDS], Bungartz, F. 5749 [CDS]

Cladonia calycantha Delise ex Nyl.

[*Cladonia calycantha f. calycantha* Delise ex Nyl., *Cladonia calycantha var. calycantha* Delise ex Nyl.]
source: Müller (1879), Romeguère (1879), Návas (1908; as *Cenomyce calycantha* Delise), Ahti & Marcelli (1995), Ahti (1992), González et al. (2017a, b, 2019) , Nöske et al. (2007), Nöske & Sipman (2004), Ahti (2000), Müller (1879); Holm-Nielsen... 3683 [GB], Holm-Nielsen... 3831 [GB], Holm-Nielsen... 3920 b [GB], Andersson, Lennart et al. 497 [GB], Løjtnant et al. 14343 [GB], Løjtnant et al. 14394 [GB], Andersson, Lennart 115 [GB], Arvidsson, Lars et al. 6863 [GB], Arvidsson, Lars et al. 6976 [GB], Arvidsson, Lars et al. 7002 [GB], Arvidsson, Lars et al. 7223 [GB], Arvidsson... 1734 [GB], Arvidsson... 1157 [GB], Arvidsson... 1298 [GB], Arvidsson... 4381 [GB], Arvidsson... 4473 [GB], Arvidsson... 4653 [GB], Arvidsson... 4762 [GB], Lindström, Marie 983 [GB], Gunnar Harling 1978 [S], Gunnar Harling 1912 [S], Etayo, J. 25702 [hb. Etayo]

Cladonia cariosa (Ach.) Sprengel

[*Cladonia cariosa f. cariosa* (Ach.) Spreng., *Cladonia cariosa var. cariosa* (Ach.) Spreng., *Cladonia pityrodes* Nyl., *Lichen cariosus* Ach.]
Arvidsson... 794 [GB], Arvidsson... 837 [GB]

Cladonia cartilaginea Müll.Arg.

source: González et al. (2019), Ahti (2000), Yánez-Ayabaca et al. (2013); Nugra, F. 240 [CDS], Bungartz, F. 3950 [CDS], Aptroot, A. 63161 [CDS], Arvidsson... 5676 [GB], Arvidsson... 1985-01-26 [GB]

Cladonia ceratophylla (Sw.) Spreng.

[*Imbricaria ceratophylla* (Sw.) Hepp]
source: Dodge (1935), Stewart (1912), Svenson (1935), Weber (1966, 1981,1986), Elix & McCarthy (1998), Nöske et al. (2007), Nöske & Sipman (2004), Ahti (2000), Yánez-Ayabaca et al. (2013); W.A. Weber 1976-04-18 [ASU], W.A. Weber L--40270 [ASU], 13155 L-40270 [OMA], Weber, W. A 130582 [MSC], Sipman, H. 41 [MIN], Sipman, H. 22 [MIN], Weber, W. 40270 [MIN], W.A. Weber s.n. [WIS], W.A. Weber... 1976-04-18 [UPS], W. A. Weber & J. Lanier 1976-04-18 [FH], H. K. Svenson 1930-04-09 [FH], H. K. Svenson 1930-04-09 [FH], Alban N. Stewart 1905-00-00 [FH], barcode-00197379 [FH], W.A. Weber, J. Lanier 1976-04-18 [BG], W.A. Weber, J. Lanier 502 [UBC], Weber, W.A. s.n. [CDS], Aptroot, A. 63145 [CDS], Aptroot, A. 64860 [CDS], Aptroot, A. 64856 [CDS], Bungartz, F. 3274 [CDS], Bungartz, F. 3298 [CDS], Bungartz, F. 3299 [CDS], Bungartz, F. 3308 [CDS], Bungartz, F. 3312 [CDS], Bungartz, F. 3969 [CDS], Bungartz, F. 3972 [CDS], Ziemmeck, F. 760 [CDS], Aptroot, A. 65524 [CDS], Bungartz, F. 5604 [CDS], Nugra, F. 356 [CDS], Nugra, F. 146 [CDS], Bungartz, F. 6862 [CDS], Ertz, D. 11710 [CDS], Guézou, A. 177 A [CDS], Clerc, P. 08-42 [CDS], Herrera-Campos, M.A. 10709 [CDS], Bungartz, F. 8343 [CDS], Yánez-Ayabaca, A. 1535 [CDS], Bungartz, F. 9478 [CDS], Truong, C. 1147 [CDS], Clerc, P. 08-115 [CDS], Bungartz, F. 4862 [CDS], Clerc, P. 08-124 B [CDS], Bungartz, F. 10287 [CDS], Spielmann, A.A. 10612 [CDS], Spielmann, A.A. 10619 [CDS], Spielmann, A.A. 10620 [CDS], Spielmann, A.A. 10630 [CDS], Arvidsson... 4001 [GB], Arvidsson... 4597 [GB], Arvidsson... 564 [GB], Arvidsson... 2310 [GB], Etayo, J. 25716 [hb. Etayo], Etayo, J. 25778 [hb. Etayo]

Cladonia chlorophaea (Flörke ex Sommerf.) Sprengel

[*Cenomyce chlorophaea* Flörke ex Sommerf., *Cladonia pyxidata subsp. chlorophaea* (Flörke ex Sommerf.) V. Wirth, *Cladonia pyxidata var. chlorophaea* (Flörke ex Sommerf.) Flörke]

parasitized by *Scutula epicladonia* , source: González et al. (2019), Ahti (2000), Etayo (2017); W.A. Weber 1964-01-23 [ASU], Weber, W. A 120720 [MSC], William A. Weber 1964-01-23 [BRY], W.A. Weber s.n. [WIS], Culberson, William, L.... 20223 [DUKE], Culberson, William, L.... 20554 [DUKE], Culberson, William, L.... 20496 [DUKE], Culberson, William, L.... 20217 [DUKE], Culberson, William, L.... 20214 [DUKE], Culberson, William, L.... 20321 [DUKE], Culberson, William, L.... 20136 [DUKE], Culberson, William, L.... 20224 [DUKE], Culberson, William, L.... 20225 [DUKE], Culberson, William, L.... 20221 [DUKE], Culberson, William, L.... 20182 [DUKE], Culberson, William, L.... 20242 [DUKE], Culberson, William, L.... 20552 [DUKE], Culberson, William, L.... 20257 [DUKE], Weber, William, A. s.n. [DUKE], Culberson, William, L.... 20222 [DUKE], Culberson, William, L.... 20500 [DUKE], Culberson, William, L.... 20553 [DUKE], Culberson, William, L.... 20323 [DUKE], Culberson, William, L.... 20187 [DUKE], W.A. Weber 1964-01-00 [BG], Weber, W.A. s.n. [CDS], Bungartz, F. 3659 [CDS], Aptroot, A. 65693 [CDS], Aptroot, A. 64790 [CDS], Bungartz, F. 6304 [CDS], Bungartz, F. 6614 [CDS], Bungartz, F. 8001 [CDS], Simbaña, W. 572 [CDS], Clerc, P. 08-43 [CDS], Bungartz, F. 7727 [CDS], Bungartz, F. 7756 [CDS], Bungartz, F. 7491 [CDS], Bungartz, F. 7624 [CDS], Bungartz, F. 7434 [CDS], Bungartz, F. 8222 [CDS], Hillmann, G. GAL-61 [CDS], Yánez-Ayabaca, A. 2117 [CDS], Bungartz, F. 8223 [CDS], Arvidsson... [GB], Arvidsson... 2720 [GB], Arvidsson... 5858 [GB], Arvidsson... 2744 [GB]

Cladonia coccifera (L.) Willd.

[*Cladonia coccifera f. asotea* (Ach.) Vain., *Cladonia coccifera var. asotea* Ach., *Cladonia coccifera var. cornucopioides*, *Lichen cocciferus* L., *Scyphophorus cocciferus*]

parasitized by *Epicladonia sandstedei* (Etayo 2017), source: Nöske et al. (2007), Mandl (2007), Nöske & Sipman (2004), Ahti (2000), González et al. (2017a, b), Etayo (2017); Richard C. Harris 17770 [S]

Cladonia confusa R. Sant.

[*Cladina alpestroides* Abbayes, Rev. Bryol. Lichénol., N.S. 16: 79 (1947), *Cladina confusa* (R. Sant.) Follmann & Ahti, *Cladina galapagosensis* (Ahti) W.A. Weber, *Cladina leptoclada* (Abbayes) D.J. Galloway, *Cladina pohlia* (R. Sant.) W.A. Weber, *Cladina pycnoclada subsp. thyrsifera* Nyl., *Cladina sylvatica f. sylvestris* (Oeder) Navás, Brotéria, sér. bot. 11: 24, tab. VI, fig. 1 (1913), *Cladonia alpestroides* Abbayes, *Cladonia fallax f. exalbescens* (Vain.) Abbayes, *Cladonia impexa f. exalbescens* (Vain.) Abbayes, *Cladonia impexa f. thyrsifera* (Nyl.) Abbayes, *Cladonia leptoclada* Abbayes, *Cladonia leptoclada f. leptoclada* Abbayes, *Cladonia leptoclada f. thyrsifera* (Nyl.) Abbayes, *Cladonia pycnoclada f. exalbescens* Vain., *Cladonia pycnoclada var. exalbescens* Vain., *Cladonia sylvatica var. sylvestris* (Oeder) Vain., *Lichen rangiferinus var. sylvestris* Oeder]

parasitized by *Zwackhiomyces cladoniae*, source: Ahti (2000), Nöske et al. (2007), van den Boom et al. (2022), Etayo (2017); R.C. Harris 17774 [ASU], 15225 1994-03-01 [OMA], Asplund, E 107 [MSC], Brako, L. 4414 [MIN], Lois Brako 4414 [WIS], de Roi, André s.n. [DUKE], Hornemen, Siegvart s.n. [DUKE], Sipman, H. L-36 [DUKE], de Roi, André s.n. [DUKE], Hornemen, Siegvart s.n. [DUKE], de Roi, André s.n. [DUKE], Hornemen, Siegvart s.n. [DUKE], de Roi, André s.n. [DUKE], Weber, William, A.... L-63380 [DUKE], Erik Asplund 351 [UPS], Calvin R. Sperling 5116 [hb. Esslinger]

Cladonia confusa f. bicolor (Müll. Arg.) Ahti & DePriest

[*Cladina confusa f. bicolor* (Müll. Arg.) Ahti, *Cladonia bicolor* (Müll. Arg.) Ahti, *Cladonia fallax f. bicolor* (Müll. Arg.) Abbayes, *Cladonia pohlia* R. Sant., *Cladonia polia* R. Sant. (orthographic error), *Cladonia rangiferina f. bicolor* Müll.Arg.]

source: Müller (1879; as *Cladonia rangiferina* f. *bicolor*; Weber (1981), Ahti (2000), Nöske & Sipman (2004), Mandl (2007), Yánez-Ayabaca et al. (2013), González et al. (2017b); Luong, T.T. s.n. [CDS], Aptroot, A. 64674 [CDS], Bungartz, F. 3986 [CDS], Ertz, D. 11797 [CDS], Herrera-Campos, M.A. GAL-450 [CDS]

Cladonia confusa f. confusa R. Sant.

[*Cladina confusa f. confusa* (R. Sant.) Follmann & Ahti, *Cladinomyces sylvaticae* Cif. & Tomas., *Cladonia galapagosensis* Ahti]

source: Ahti (2000), Yánez-Ayabaca et al. (2013); Luong, T.T. s.n. [CDS], Weber, W.A. s.n. [CDS], Aptroot, A. 63203 [CDS], Bungartz, F. 3300 [CDS], Bungartz, F. 4293 [CDS], Ziemmeck, F. 734 [CDS], Bungartz, F. 3985 [CDS], Aptroot, A. 65173 [CDS], Bungartz, F. 4302 [CDS], Aptroot, A. 65506 [CDS], Bungartz, F. 5742 [CDS], Ertz, D. 11708 [CDS], Ertz, D. 11822 [CDS], Guézou, A. 109 [CDS], Guézou, A. 252 [CDS], Herrera-Campos, M.A. 10694 [CDS], Herrera-Campos, M.A. 10702 [CDS], Bungartz, F. 8345 [CDS], Clerc, P. 08-244 [CDS], Nugra, F. 261 [CDS], Bungartz, F. 8586 [CDS], Clerc, P. 08-245 [CDS], Clerc, P. 08-123 [CDS], Bungartz, F. 8340 [CDS], Bungartz, F. 7410 [CDS], Truong, C. 1230 [CDS], Pozo, P. 1846 [CDS], Aldaz, I. 1111 [CDS], Spielmann, A.A. 10472 [CDS], Nugra, F. 1044 [CDS], Nugra, F. 1052 [CDS], Nugra, F. 1091 [CDS], Bungartz, F. 10317 [CDS], Bungartz, F. 10336 [CDS], Bungartz, F. 10411 [CDS], Cavagnaro, D. 26 [CDS]

Cladonia coniocraea (Flörke) Sprengel

[*Cenomyce coniocraea* Flörke, *Cenomyce coniocraea var. coniocraea* Flörke, *Cenomyce coniocraea var. ramulosa* Delise, *Cladonia coniocraea f. ramulosa* (Delise) M. Choisy]

source: Benítez et al. (2012, 2015); Benítez, A. 119 [HUTPL]

Cladonia corniculata Ahti & Kashiw.

source: Elix & McCarthy (1998), Ahti (1992), Ahti (2000), González et al. (2017a, b), Fernández-Prado et al. (2022); R.C. Harris 17023 [ASU], Aptroot, A. 65215 A [CDS], Bungartz, F. 6805 [CDS], Clerc, P. 08-44 [CDS], Aptroot, A. 65241 [CDS], Nugra, F. 69 [CDS], Aptroot, A. 63905 [CDS], Nugra, F. 266 [CDS], Clerc, P. 08-105 A [CDS], Aptroot, A. 65546 B [CDS], Clerc, P. 08-132 [CDS]

Cladonia corymbites Nyl.

source: González et al. (2019), Ahti (2000), Fernández-Prado et al. (2022); Bungartz, F. 8334 [CDS]

Cladonia corymbosula Nyl.

source: Yánez-Ayabaca et al. (2013), González et al. (2019); Aptroot, A. 63384 [CDS], Aptroot, A. 65262 [CDS], Aptroot, A. 65721 [CDS]

Cladonia crispata (Ach.) Flotow

[*Baeomyces turbinatus var. crispatus* Ach., *Cladonia arborea* Stirt., *Cladonia crispata f. crispata* (Ach.) Flot., *Cladonia crispata var. crispata* (Ach.) Flot., *Cladonia crispata var. gracilescens* (Rabenh.) Vain., *Cladonia furcata var. crispata* (Ach.) Flörke]

source: Nöske & Sipman (2004), Nöske et al. (2007), González et al. (2017a, b)

Cladonia cryptochlorophaea Asah.

[*Cladonia cryptochlorophaea f. cryptochlorophaea* Asahina, *Cladonia cryptochlorophaea f. inactiva* Asahina]

source: González et al. (2019), Ahti (1992, 2000)

Cladonia dactylota Tuck.

[*Cladonia dactylota var. dactylota* Tuck., *Cladonia dactylota var. sorediata* Tuck., *Cladonia dactylota var. symphycarpia* Tuck., *Cladonia sorediosocapitata* B. de Lesd.]

source: Nöske et al. (2007), Nöske & Sipman (2004), Ahti (2000), Yánez-Ayabaca et al. (2013); Aptroot, A. 63169 [CDS], Aptroot, A. 63202 [CDS], Aptroot, A. 64643 [CDS], Aptroot, A. 64830 [CDS], Aptroot, A. 64667 [CDS], Aptroot, A. 65567 [CDS], Bungartz, F. 5748 [CDS], Bungartz, F. 8587 [CDS], Clerc, P. 08-124 A [CDS], Spielmann, A.A. 10413 [CDS], Bungartz, F. 10372 [CDS]

Cladonia didyma (Fée) Vain.

[*Cladonia abietiformis* Harm., *Cladonia congregata* H. Magn., *Cladonia congregata f. congregata* H. Magn., *Cladonia congregata f. subfarinosa* H. Magn., *Cladonia didyma didyma*, *Cladonia didyma f. didyma* (Fée) Vain., *Cladonia didyma f. squamulosa* Robbins, *Cladonia didyma f. subulata* Sandst., *Cladonia didyma subsp. didyma* (Fée) Vain., *Cladonia didyma var. didyma* (Fée) Vain., *Cladonia didyma var. muscigena* (Eschw.) Vain., *Cladonia didyma var. rugifera* Vain., *Cladonia didyma var. vulcanica* (Zoll. & Moritzi) Vain., *Cladonia isidioclada* Mont. & Bosch, *Cladonia macilenta var. subcarcata* Räsänen, *Cladonia melanodes* Nyl., *Cladonia muscigena* Eschw., *Cladonia pulchella* Schwein., *Cladonia sphaerulifera* Taylor, *Cladonia vulcanica* Zoll. & Moritzi, *Cladonia vulcanica f. isidioclada* (Mont. & Bosch) Abbayes, *Cladonia vulcanica f. melanodes* (Nyl.) Abbayes, *Cladonia vulcanica f. minor* Robbins, *Cladonia vulcanica f. vulcanica* Zoll. & Moritzi, *Scyphophorus didymus* Fée]

source: Ahti (1992), González et al. (2017a, b, 2019), Nöske et al. (2007), Mandl (2007), Nöske & Sipman (2004), Ahti (2000), Fernández-Prado et al. (2022); Aptroot, A. 63206 [CDS], Bungartz, F. 3301 [CDS], Aptroot, A. 65102 [CDS], Aptroot, A. 64650 [CDS], Aptroot, A. 64653 [CDS], Bungartz, F. 4092 [CDS], Bungartz, F. 4109 [CDS], Aptroot, A. 65151 [CDS], Aptroot, A. 65503 [CDS], Nugra, F. 357 [CDS], Nugra, F. 412 [CDS], Nugra, F. 164 [CDS], Bungartz, F. 8145 [CDS], Bungartz, F. 8140 [CDS], Yánez-Ayabaca, A. 1537 [CDS], Nugra, F. 417 [CDS], Clerc, P. 08-110 [CDS], Spielmann, A.A. 10625 [CDS]

Cladonia fimbriata (L.) Fr.

[*Cenomyce pyxidata var. fimbriata* (L.) Ach., *Cladonia fimbriata f. major* (K.G. Hagen) Vain., *Cladonia fimbriata var. major* (K.G. Hagen) H.

Magn., *Cladonia major* (K.G. Hagen) Sandst., *Cladonia major f. major* (K.G. Hagen) Sandst., *Cladonia major f. prolifera* (Retz.) Anders, *Cladonia minor f. simplex* (Weiss) M. Choisy, *Lichen fimbriatus* L., *Lichen major* K.G. Hagen, *Lichen simplex* Weiss]
source: Zahlbruckner (1907), Zahlbruckner (1905), Fernández-Prado et al. (2022)

Cladonia fimbriata var. simplex (Weiss) Flot. ex Vain.

problematic, name not resolved, no modern record, source: Návas (1908)

Cladonia fimbriata var. tubaeformis (Hoffm.) Fr.

problematic, name not resolved, no modern record, source: Zahlbruckner (1905)

Cladonia furcata (Hudson) Schrader

[*Cenomyce allotropa var. corymbosa* Ach., *Cenomyce furcata* (Huds.) Ach., *Cenomyce furcata subsp. furcata* (Huds.) Ach., *Cenomyce furcata subsp. recurva* Ach., *Cenomyce furcata var. furcata* (Huds.) Ach., *Cladonia furcata f. pinnata* (Flörke) Choisy, *Cladonia furcata subsp. furcata* (Huds.) Schrad., *Cladonia furcata subsp. subrangiformis* (Scriba ex Sandst.) Pišút, *Cladonia furcata var. cancellata* Müll.Arg., *Cladonia furcata var. corymbosa* (Ach.) Nyl., *Cladonia furcata var. palamaea* (Ach.) Nyl., *Cladonia furcata var. pinnata* (Flörke) Vain., *Cladonia furcata var. subrangiformis* (L. Scriba ex Sandst.) Hennipman, *Cladonia furcata var. tenuicaulis* Müll.Arg., *Cladonia herrei* Fink ex J. Hedrick, *Cladonia narkodes* Kremp., *Cladonia palamaea* (Ach.) Fink, *Cladonia pinnata* (Flörke) Anders, *Cladonia racemosa* Hoffm., *Cladonia racemosa f. racemosa* Hoffm., *Cladonia racemosa f. spinescens* (Hoffm.) M. Choisy, *Cladonia racemosa var. racemosa* Hoffm., *Cladonia racemosa var. rigidula* (A. Massal.) M. Choisy, *Cladonia racemosa var. spinosa* (Huds.) M. Choisy, *Cladonia subrangiformis* Sandst., *Cladonia subrangiformis f. foliofera* Szatala, *Cladonia subrangiformis f. marmoladae* Sambo, *Cladonia subrangiformis f. pustarum* Szatala, *Cladonia subrangiformis f. spinulifera* Trass, *Cladonia subrangiformis f. subrangiformis* L. Scriba ex Sandst., *Cladonia subrangiformis f. subuliformis* Szatala, *Cladonia subrangiformis f. truncatula* Szatala, *Cladonia subrangiformis f. vagans* Tomin, *Cladonia subrangiformis var. praestigiosa* Lettau, *Cladonia subrangiformis var. subrangiformis* L. Scriba ex Sandst., *Lichen arietinus* Dubois, *Lichen spinosus* Huds.]
source: González et al. (2019), Ahti (2000), Fernández-Prado et al. (2022); Erik Asplund 1955-09-23 [S]

Cladonia furcata var. racemosa (Hoffm.) Flörke

problematic, name not resolved, no modern record, source: Müller (1879), Romeguère (1879)

Cladonia furfuracea Vain.

source: Nöske et al. (2007)

Cladonia furfuraceoides Ahti & Sipman

source: Nöske et al. (2007)

Cladonia glabra Ahti

Holotype B, Aptroot & Hensen 108101A, source: Ahti (2000)

Cladonia granulosa (Vain.) Ahti

[*Cladonia subsquamosa f. attenuata* Vain., *Cladonia subsquamosa f. granulosa* (Vain.) Zahlbr., *Cladonia subsquamosa var. granulosa* Vain.]
source: Nöske et al. (2007), Nöske & Sipman (2004), Ahti (2000); Gunnar Harling 5163 [S]

Cladonia grayi G. Merr. ex Sandst.

[*Cladonia chlorophaea var. grayi* (G. Merr.) P.A. Duvign., *Cladonia grayi f. aberrans* Asahina, *Cladonia pyxidata subsp. grayi* (G. Merr. ex Sandst.) V. Wirth]
source: Ahti (1992), Ahti (2000), Yánez-Ayabaca et al. (2013), González et al. (2017); Aptroot, A. 63195 [CDS], Aptroot, A. 64651 [CDS], Herrera-Campos, M.A. 10700 [CDS], Bungartz, F. 8344 [CDS]

Cladonia halei (Ahti) Ahti & DePriest

[*Cladina halei* Ahti]
source: González et al. (2017, 2019), Fernández-Prado et al. (2022)

Cladonia hians Ahti

source: Nöske et al. (2007)

Cladonia humilis (With.) J. R. Laundon

[*Cenomyce pyxidata var. conistea* Delise, *Cladonia conistea* (Delise) Asahina, *Cladonia conoidea* Ahti, *Cladonia humilis var. bougeanica* A.W. Archer, *Cladonia humilis var. bourgeanica* A.W. Archer, *Cladonia humilis var. humilis* (With.) J.R. Laundon, *Cladonia pyxidata f. conistea* (Delise) Delise, *Lichen humilis* With.]
source: Ahti (1992, 2000); R.C. Harris 17046 [ASU], R.C. Harris 17044 [ASU]

Cladonia imbricarica Kristinsson

source: Ahti (1992), Ahti (2000), González et al. (2019)

Cladonia isabellina Vain.

[*Cladonia subisabellina* Abbayes]
source: Ahti (1992), González et al. (2019), van den Boom et al. (2022)

Cladonia leprocephala Ahti & S. Stenroos

source: Ahti & Stenroos (1986), González et al. (2017a, b, 2019), Ahti (2000), Fernández-Prado et al. (2022); Erik Asplund L416 [S]

Cladonia lopezii S. Stenroos

parasitized by *Stigmidium ahtii*, source: Ahti (2000), Nöske & Sipman (2004), Nöske et al. (2007), Mandl (2007), Mittermeier et al. (2015), Etayo (2017), González et al. (2017a, b); Palice, Z. s.n. [DUKE], Z. Palice 1999-08-07 [UPS], Z. Palice 1999-08-07 [BG]

Cladonia macilenta Hoffm.

[*Cenomyce bacillaris* (Ach.) Ach., *Cladonia bacillaris* (Ach.) Nyl., *Cladonia bacillaris f. bacillaris* (Ach.) Nyl., *Cladonia bacillaris f. mucronata* (Delise) M. Choisy, *Cladonia bacillaris f. nana* Asahina, *Cladonia bacillaris f. pityropoda* Nyl., *Cladonia bacillaris f. subscyphifera* Vain., *Cladonia bacillaris f. tingens* Asahina, *Cladonia bacillaris subsp. bacillaris*, *Cladonia bacillaris var. bacillaris* (Ach.) Nyl., *Cladonia bacillaris var. elegantor* Vain., *Cladonia bacillaris var. pacifica* Asahina, *Cladonia bacillaris var. tubaeformis* (Mudd) M. Choisy, *Cladonia balfourii* Cromb., *Cladonia balfourii balfourii*, *Cladonia balfourii f. balfourii* Cromb., *Cladonia balfourii f. chlorophaeoides* (Vain.) Evans, *Cladonia balfourii f. cornigera* (Vain.) Oxner, *Cladonia balfourii f. squamulosa* A. Evans, *Cladonia balfourii f. subprolifera* (Vain.) A. Evans, *Cladonia brebissonii var. ostreata* (Nyl.) M. Choisy, *Cladonia coccifera f. macilenta* (Hoffm.) Mudd, *Cladonia coccifera f. subulata* Hoffm., *Cladonia cylindrica var. squamigera* (Vain.) M. Choisy, *Cladonia cylindrica var. vermicularis* (Rabenh.) M. Choisy, *Cladonia fimbriata f. balfourii* (Cromb.) Vain., *Cladonia fimbriata var. balfourii* (Cromb.) Vain., *Cladonia floerkeana var. bacillaris* (Leight.) Lynge, *Cladonia macilenta f. squamigera* (Vain.) Sandst., *Cladonia macilenta subsp. bacillaris* Ach., *Cladonia macilenta var. flabellulata* Müll.Arg., *Cladonia macilenta var. ostreata* Nyl., *Cladonia macilenta var. scabrosa* (Mudd) Cromb., *Cladonia macilenta var. squamigera* Vain., *Cladonia ostreata* (Nyl.) Britzelm., *Scyphophorus filiformis*]
all Galapagos specimens contain thamnolic and didymic acid and specimens previously identified as *C. macilenta* var. *bacillaris* are misidentifications of *C. bungartzii* or *C. macilenta* s.str. (Yánez-Ayabaca et al. 2000), reported by Weber (1986) as *Cladonia macilenta* ssp. *theiophila* (Asahina) Asahina, source: Weber (1986), Ahti (1992), Ahti (2000), Yánez-Ayabaca et al. (2013), González et al. (2017a, b), Fernández-Prado et al. (2022); William A. Weber L-63343 [WIS], William A. Weber L-63327 [WIS], H. Sipman L-40 [WIS], William A. Weber L-63315 [WIS], Henricus Sipman L-79 [WIS], Aptroot, A. 65100 [CDS], Bungartz, F. 4256 [CDS], Bungartz, F. 3606 [CDS], Aptroot, A. 65202 [CDS], Aptroot, A. 64103 [CDS], Bungartz, F. 5743 [CDS], Bungartz, F. 8342 [CDS], Bungartz, F. 7470 [CDS], Truong, C. 1280 [CDS], Bungartz, F. 6839 [CDS], Bungartz, F. 4093 [CDS], Bungartz, F. 8337 [CDS], Nugra, F. 23 [CDS], Bungartz, F. 8173 [CDS], Bungartz, F. 7758 [CDS], Bungartz, F. 8142 [CDS], Bungartz, F. 4103 B [CDS], Aptroot, A. 63415 [CDS], Bungartz, F. 10061 [CDS], Bungartz, F. 10268 [CDS], Bungartz, F. 9479 [CDS], Yánez-Ayabaca, A. 1820 A [CDS], Yánez-Ayabaca, A. 2099 [CDS], Bungartz, F. 10340 [CDS], Yánez-Ayabaca, A. 2139 [CDS], Nugra, F. 59 [CDS], Bungartz, F. 10063 [CDS]

Cladonia macrophyllodes Nyl.

source: Ahti (1992), Ahti (2000), Sklenář et al. (2010; as *C.* cf. *macrophyllodes*)

Cladonia melanopoda Ahti

source: González et al. (2017a, b)

Cladonia meridensis Ahti & S. Stenroos

source: González et al. (2019), Ahti (2000)

Cladonia merochlorophaea Asah.

[*Cladonia merochlorophaea f. inactiva* Asahina]
source: González et al. (2019), González et al. (2017)

Cladonia mexicana Vain.

source: Ahti (2000); R.C. Harris 16923 [ASU]

Cladonia microscypha Ahti & S. Stenroos

source: Nöske & Sipman (2004), Nöske et al. (2007)

Cladonia mitis Sandst.

[*Cladina arbuscula subsp. mitis* (Sandst.) Burgaz, *Cladina mitis* (Sandst.) Hustich, *Cladina mitis f. arenicola* Trass, *Cladina mitis f. mitis* (Sandst.) W.L. Culb., *Cladina mitis f. spinulifera* Trass, *Cladonia arbuscula subsp. mitis* (Sandst.) Ruoss, *Cladonia arbuscula subsp. stictica* Ruoss, *Cladonia arbuscula var. mitis* (Sandst.) Sipman, *Cladonia mitis f. soralifera* Sandst., *Cladonia mitis f. tenuis* Sandst., *Cladonia sylvatica var. mitis* (Sandst.) Kuan]
source: Diels (1937), Fernández-Prado et al. (2022)

Cladonia nana Vain.

source: Ahti (2000), Yánez-Ayabaca et al. (2013); Aptroot, A. 63387 [CDS], Aptroot, A. 63134 [CDS], Aptroot, A. 63201 [CDS], Aptroot, A. 63199 [CDS], Aptroot, A. 65573 A [CDS], Aptroot, A. 64501 [CDS], Aptroot, A. 63906 [CDS], Aptroot, A. 64102 A [CDS], Bungartz, F. 3459 [CDS], Aptroot, A. 63837 [CDS], Bungartz, F. 4855 [CDS], Aptroot, A. 65201 [CDS], Aptroot, A. 65239 [CDS], Aptroot, A. 65139 [CDS], Aptroot, A. 65700 [CDS], Aptroot, A. 65711 [CDS], Bungartz, F. 5762 [CDS], Bungartz, F. 5778 [CDS], Aptroot, A. 65266 [CDS], Bungartz, F. 4833 [CDS], Aptroot, A. 64490 [CDS], Bungartz, F. 7137 [CDS], Bungartz, F. 4850 [CDS], Bungartz, F. 3930 [CDS], Bungartz, F. 9574 [CDS], Bungartz, F. 6801 [CDS], Bungartz, F. 4830 B [CDS], Bungartz, F. 9829 [CDS], Bungartz, F. 4830 B [CDS], Bungartz, F. 10266 [CDS], Bungartz, F. 10282 [CDS], Bungartz, F. 9480 [CDS], Yánez-Ayabaca, A. 1774 [CDS], Yánez-Ayabaca, A. 2031 [CDS], Yánez-Ayabaca, A. 2066 [CDS], Yánez-Ayabaca, A. 2067 [CDS], Yánez-Ayabaca, A. 2111 [CDS], Yánez-Ayabaca, A. 2118 [CDS]

Cladonia novochlorophaea (Sipman) Ahti & Brodo

[*Cladonia merochlorophaea var. novochlorophaea* Sipman]
source: Nöske & Sipman (2004)

Cladonia ochrochlora Flörke

[*Cladonia caperatica* Nuno, *Cladonia coniocraea f. ceratodes* (Flörke) Dalla Torre & Sarnth., *Cladonia coniocraea var. ochrochlora* (Flörke) Oxner, *Cladonia fimbriata f. ceratodes* Flörke, *Cladonia fimbriata var. ochrochlora* (Flörke) Schaer., *Cladonia furcata var. notabilis* Müll.Arg., *Cladonia invisa* Robbins, *Cladonia lepidula* Kremp., *Cladonia lepidula var. lepidula* Kremp., *Cladonia leprosula* Magn., *Cladonia ochrochlora f. ceratodes* (Flörke) Harm., *Cladonia ochrochlora var. spadicea* Müll.Arg., *Cladonia pergracilis* Kremp.]
source: Ahti (1992), Ahti (2000), Chuquimarca et al (2019), Fernández-Prado et al. (2022)

Cladonia pertricosa Kremp.

[*Cladonia peltastica* (Nyl.) Müll.Arg., *Cladonia peltastica f. peltastica* (Nyl.) Müll.Arg., *Cladonia peltastica f. pertricosa* (Kremp.) Vain., *Cladonia peltastica var. peltastica* (Nyl.) Müll.Arg.]
source: Nöske et al. (2007)

Cladonia pleurota (Flörke) Schaer.

[*Capitularia pleurota* Flörke, *Cladonia coccifera subsp. pleurota* (Flörke) M. Hauck, *Cladonia coccifera var. pleurota* (Flörke) Schaer., *Cladonia cornucopioides var. grandis* Kremp., *Cladonia cornucopioides var. pleurota* (Flörke) F. Wilson]
source: Ahti (1992); Culberson, William, L.... 20254 [DUKE], Culberson, William, L.... 20325 [DUKE], Culberson, William, L.... 20369 [DUKE], Culberson, William, L.... 20327 [DUKE]

Cladonia pocillum (Ach.) O.J. Rich.

[*Baeomyces pocillum* Ach., *Cladonia gonggaensis* S.Y. Guo & J.C. Wei, *Cladonia pyxidata subsp. pocillum* (Ach.) Å.E. Dahl, *Cladonia pyxidata var. pocillum* (Ach.) Flot.]
source: Ahti (1992, 2000); Siegvart Horneman 1964-02-18 [BRY]

Cladonia polyscypha Ahti & L. Xavier

native, indigenous, fide annotations T. Ahti, 2010 (new to Galapagos, range poorly known): CDS 31086, source: Yánez-Ayabaca et al. (2013); Aptroot, A. 64514 [CDS], Nugra, F. 143 [CDS], Bungartz, F. 3273 [CDS], Aptroot, A. 63211 A [CDS], Bungartz, F. 3970 [CDS], Bungartz, F. 7139 [CDS], Bungartz, F. 3297 [CDS], Bungartz, F. 10288 [CDS], Bungartz, F. 5747 [CDS], Bungartz, F. 3272 [CDS]

Cladonia portentosa (Dufour) Coem.

[*Cenomyce portentosa* Dufour, *Cenomyce sylvatica* (L.) Flörke, *Cladina alpestris var. spumosa* (Flörke) Zopf, *Cladina impexa* B. de Lesd., *Cladina portentosa* (Dufour) Follmann, *Cladina portentosa f. portentosa* (Dufour) Follmann, *Cladina portentosa f. spumosa* (Flörke) Sandst., *Cladina portentosa f. subimpexa* (P.A. Duvign.) Ahti, *Cladina portentosa subsp. portentosa* (Dufour) Follmann, *Cladina spumosa* (Flörke) Zopf, *Cladonia impexa f. condensata* (Harm.) Motyka, *Cladonia impexa f. laxiuscula*, *Cladonia impexa f. portentosa* (Dufour) Harm., *Cladonia impexa f. spumosa* (Flörke) Mig., *Cladonia portentosa f. erinacea* (Desm.) Sandst., *Cladonia portentosa f. portentosa* (Dufour) Coem., *Cladonia portentosa f. subimpexa* (P.A. Duvign.) Ahti, *Cladonia portentosa subsp. portentosa* (Dufour) Coem., *Cladonia rangiferina f. spumosa* Flörke, *Cladonia rangiferina var. sylvatica* (L.) Hoffm. nom. rejic., *Cladonia spumosa* (Flörke) Sandst., *Cladonia subimpexa* P.A. Duvign., *Cladonia sylvatica var. condensata* Harm., *Cladonia sylvatica var. impexa* (Harm.) Kuan]
problematic, reports by Müller (1879) and Romeguère (1879) most likely refer to *C. confusa*, source: Müller (1879; as *Cladonia rangiferina* var. *sylvatica)*, Romeguère (1879; as *Cladonia rangiferina* var. *sylvatica*), González et al. (2017b; as *C.* aff. *portentosa*)

Cladonia praetermissa A.W. Archer

Sipman, H. L-22 [DUKE], Weber, William, A.... s.n. [DUKE], Taylor, Sylvia, E. ST66117 [DUKE], W.A. Weber L-40270 [BALT]

Cladonia prancei Ahti

source: Ahti (2000)

Cladonia pulverulenta (L. Scriba) Ahti

source: Fernández-Prado et al. (2022); Aptroot, A. 64671 [CDS], Aptroot, A. 65127 [CDS], Herrera-Campos, M.A. 10676 [CDS], Aptroot, A. 64518 [CDS], Truong, C. 1341 [CDS], Truong, C. 1493 [CDS], Bungartz, F. 6928 [CDS], Bungartz, F. 4830 A [CDS], Bungartz, F. 9974 [CDS], Aptroot, A. 63211 B [CDS], Aptroot, A. 65546 A [CDS], Aptroot, A. 65573 B [CDS]

Cladonia pycnoclada (Pers.) Nyl.

[*Cenomyce pycnoclada* Pers.]
source: Müller (1879)

Cladonia pycnoclada var. flavida Vain.

source: Zahlbruckner (1905, 1907)

Cladonia pyxidata (L.) Hoffm.

[*Cenomyce pyxidata* (L.) Ach., *Cenomyce pyxidata var. delicata* Desm., *Cenomyce pyxidata var. pyxidata* Ach., *Cenomyce pyxidata var. tuberculosa* (Hoffm.) Ach., *Cladonia conchata* Nyl., *Cladonia neglecta* (Flörke) Spreng., *Lichen pyxidatus* L.]
source: Ahti (1992), González et al. (2017, 2019), Sklenář et al. (2010), Nöske et al. (2007), Nöske (2005), Nöske & Sipman (2004); Culberson, William, L.... 20551 [DUKE], Aptroot, A. 65200 [CDS], Aptroot, A. 65699 [CDS], Aptroot, A. 64846 [CDS]

Cladonia ramulosa (With.) J. R. Laundon

[*Baeomyces anomaeus* Ach., *Cenomyce pityrea* (Flörke) Ach., *Cladonia adspersa* Mont. & Bosch, *Cladonia anomaea* (Ach.) Ahti & P. James, *Cladonia anomaea var. anomaea* (Ach.) Ahti & P. James, *Cladonia degenerans var. anomaea* (Ach.) Cromb., *Cladonia isignyi* Delise, *Cladonia lamarkii* Nyl., *Cladonia lamarkii f. isignyi* (Delise) Nyl., *Cladonia lamarkii f. lamarkii* Nyl., *Cladonia lepidula var. foliolosa* Müll.Arg., *Cladonia leucocephala* Müll.Arg., *Cladonia pityrea* (Flörke) Fr., *Cladonia pityrea f. cladomorpha* Flörke, *Cladonia pityrea f. dilacerata* Anders, *Cladonia pityrea f. hololepis* Flörke, *Cladonia pityrea f. macrocephala* Asahina, *Cladonia pityrea f. pityrea* (Flörke) Fr., *Cladonia pityrea f. scyphifera* (Delise) Vain., *Cladonia pityrea f. sorediosa* Vain., *Cladonia pityrea f. squamulifera* Vain., *Cladonia pityrea f. subacuta* Vain., *Cladonia pityrea f. subuliformis* Vain., *Cladonia pityrea subsp. gracilenta* (Nyl.) Abbayes, *Cladonia pityrea subsp. pityrea* (Flörke) Fr., *Cladonia pityrea subsp. polyphylla* (Mont. & Bosch) Abbayes, *Cladonia pityrea var. javanica* (Hepp) Zahlbr., *Cladonia pityrea var. junghuhniana* (Mont. & Bosch) Zahlbr., *Cladonia pityrea var. phyllopoda* Vain., *Cladonia pityrea var. pityrea* (Flörke) Fr., *Cladonia pityrea var. subareolata* Vain., *Cladonia squamosa var. pachypoda* Müll.Arg., *Lichen ramulosus* With.]
source: Nöske & Sipman (2004), Nöske et al. (2007); 13056 [OMA], Weber, W. 40271 [MIN], Weber, W. 41185 [MIN], H. Sipman L-39 [WIS], S. R. Gradstein s.n. [WIS], Henricus Sipman L-138 [WIS], Weber, William, A. L-40271 [DUKE], S. Itow L-41185 [HAW], Aptroot, A. 63416 [CDS], Bungartz, F. 8185 [CDS], Bungartz, F. 6737 [CDS], Aptroot, A. 64549 [CDS], Clerc, P. 08-125 A [CDS], Clerc, P. 08-105 B [CDS], Yánez-Ayabaca, A. 1875 [CDS], Spielmann, A.A. 10412 [CDS]

Cladonia rangiferina (L.) F. H. Wigg.

[*Cladina rangiferina* (L.) Nyl., *Cladina rangiferina f. crispata* (Coem.) J.C. Wei & Y.M. Jiang, *Cladina rangiferina f. humilis* (Anders) J.C. Wei & Y.M. Jiang, *Cladina rangiferina f. patula* (Flot. ex Sandst.) J.C. Wei & Y.M. Jiang, *Cladina rangiferina f. prolifera* (Flot. ex Sandst.) J.C. Wei & Y.M. Jiang, *Cladina rangiferina f. rangiferina* (L.) Nyl., *Cladina rangiferina subsp. abbayesii* (Ahti) W.L. Culb., *Cladina rangiferina subsp. grisea* (Ahti) Ahti & M.J. Lai, *Cladina rangiferina subsp. rangiferina* (L.) Nyl., *Cladina rangiferina var. crispatula* Nyl., *Cladina rangiferina var. rangiferina* (L.) Nyl., *Lichen rangiferinus* L., *Lichen rangiferinus var. alpestris* L., *Lichen rangiferinus var. rangiferinus* L.]
source: Ahti (2000), Ahti (1992)

Cladonia rangiferina subsp. abbayesii (Ahti) Ahti & DePriest

[*Cladonia rangiferina var. abbayesii* Ahti]
source: González et al. (2017b)

Cladonia rappii A. Evans

[*Cladonia calycantha f. simplex* A. Evans, *Cladonia calycantha var. exilior* Abbayes, *Cladonia rappii rappii*, *Cladonia rappii subsp. rappii*, *Cladonia rappii var. exilior* (Abbayes) Ahti, *Cladonia rappii var. rappii* A. Evans]
source: González et al. (2019), Nöske et al. (2007), Nöske & Sipman (2004), Ahti (1992), Ahti (2000); Erik Asplund L419 [S]

Cladonia scabriuscula (Delise) Nyl.

[*Cenomyce decurva* Taylor ex C. Bab. & Mitt., *Cenomyce scabriuscula* Delise, *Cladonia flabelliformis var. scabriuscula* (Delise) Vain., *Cladonia furcata f. adspersa* (Flörke) Vain., *Cladonia furcata var. adspersa* (Flörke) F. Wilson, *Cladonia furcata var. asperata* Müll.Arg., *Cladonia furcata var. gracillima* Müll.Arg., *Cladonia furcata var. hians* Müll.Arg., *Cladonia furcata var. pungens* Ach., *Cladonia furcata var. recurva* A.L. Sm., *Cladonia furcata var. scabriuscula* (Delise) Coem., *Cladonia furcata var. subsquamosa* Müll.Arg., *Cladonia furcata var. virgulata* Müll.Arg., *Cladonia gallica var. scabriuscula* (Delise) M. Choisy, *Cladonia pungens* (Ach.) Flörke, *Cladonia rangiformis var. gracillima* (Mont.) Ahti, *Cladonia scabriuscula var. asperata* (Müll. Arg.) Abbayes ex Frey]
source: González et al. (2019)

Cladonia scholanderi Abbayes

source: Ahti (2000), Yánez-Ayabaca et al. (2013); Aptroot, A. 65172 [CDS], Aptroot, A. 64673 [CDS], Clerc, P. 08-237 [CDS], Herrera-Campos, M.A. 10707 [CDS], Bungartz, F. 8346 [CDS], Bungartz, F. 8347 [CDS], Clerc, P. 08-196 [CDS], Clerc, P. 08-193 [CDS], Herrera-Campos, M.A. 10704 [CDS], Truong, C. 1251 [CDS]

Cladonia signata (Eschw.) Vain.

[*Cladonia rangiferina var. signata* Eschw.]
source: Nöske et al. (2007), Nöske & Sipman (2004), Ahti (2000)

Cladonia sphacelata Vain.

source: Nöske & Sipman (2004), Nöske et al. (2007); H. Sipman L-84 [WIS], Henricus Sipman L-55a [WIS], Henricus Sipman L-54 [WIS], W. A. Weber L-63045 [WIS], Henricus Sipman L-57 [WIS], Henricus Sipman L-46 [WIS], Clerc, P. 08-249 [CDS], Bungartz, F. 8349 [CDS], Clerc, P. 08-198 [CDS], Clerc, P. 08-197 [CDS], Clerc, P. 08-118 [CDS], Aptroot, A. 64672 [CDS], Clerc, P. 08-125 B [CDS], Clerc, P. 08-125 B [CDS]

Cladonia squamosa Hoffm.

source: González et al. (2017a, b, 2019), Nöske et al. (2007), Nöske & Sipman (2004), Ahti (1992), Ahti (2000); Gunnar Harling 1976 [S]

Cladonia strepsilis (Ach.) Grognot

[*Baeomyces strepsilis* Ach.]
native, indigenous, source: Yánez-Ayabaca et al. (2013); Aptroot, A. 64681 [CDS], Bungartz, F. 4134 [CDS]

Cladonia subradiata (Vain.) Sandst.

[*Cladonia fimbriata var. subradiata* Vain.]
source: Elix & McCarthy (1998), Ahti (2000), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Mandl (2007), Yánez-Ayabaca et al. (2013), Benítez et al. (2012, 2015), Benítez (2016), González et al. (2019); S. Itow L--41185 [ASU], Alban N. Stewart 1905-00-00 [FH], Bungartz, F. 8579 [CDS], Aptroot, A. 64854 [CDS], Aptroot, A. 63182 [CDS], Aptroot, A. 64492 [CDS], Nugra, F. 225 [CDS], Bungartz, F. 8335 A [CDS], Herrera-Campos, M.A. 10695 [CDS], Bungartz, F. 6682 [CDS], Bungartz, F. 6822 [CDS], Yánez-Ayabaca, A. 1488 [CDS], Bungartz, F. 6597 [CDS], Bungartz, F. 8518 [CDS], Bungartz, F. 8531 [CDS], Bungartz, F. 8162 [CDS], Bungartz, F. 8143 [CDS], Bungartz, F. 10267 [CDS], Bungartz, F. 9978 [CDS], Yánez-Ayabaca, A. 1820 B [CDS], Yánez-Ayabaca, A. 2083 [CDS], Bungartz, F. 8221 [CDS], Aptroot, A. 64070 [CDS], Benítez, A. 120 [HUTPL]

Cladonia subreticulata Ahti

source: González et al. (2017a, b)

Cladonia subsquamosa Krempelh.

source: González et al. (2019), Mittermeier et al. (2015), Nöske et al. (2007), Nöske & Sipman (2004), Ahti (2000), Fernández-Prado et al. (2022); S. R. Gradstein s.n. [WIS], W. A. Weber L-63044 [WIS], W. A. Weber 1964-01-23 [FH], Bungartz, F. 3271 [CDS], Bungartz, F. 3482 [CDS], Aptroot, A. 65236 [CDS], Aptroot, A. 63164 [CDS], Aptroot, A. 65240 [CDS], Herrera-Campos, M.A. GAL-471 [CDS], Herrera-Campos, M.A. 10908 [CDS], Nugra, F. 44 [CDS], Nugra, F. 21 [CDS], Aptroot, A. 64655 [CDS], Herrera-Campos, M.A. 10582 [CDS], Herrera-Campos, M.A. 10591 [CDS], Clerc, P. 08-49 [CDS], Bungartz, F. 7760 [CDS], Bungartz, F. 8582 [CDS], Bungartz, F. 8513 [CDS], Bungartz, F. 8144 [CDS], Bungartz, F. 3661 [CDS], Bungartz, F. 6736 [CDS], Bungartz, F. 6934 [CDS], Jaramillo, P. 2876 C [CDS], Herrera-Campos, M.A. 10674 [CDS], Bungartz, F. 9573 [CDS], Hillmann, G. GAL-91 [CDS], Hillmann, G. GAL-93 [CDS], Hillmann, G. GAL-111 [CDS], Hillmann, G. GAL-60 [CDS], Aptroot, A. 64004 [CDS], Clerc, P. 08-48 [CDS], Clerc, P. 08-45 A [CDS], Bungartz, F. 9830 [CDS], Yánez-Ayabaca, A. 1757 [CDS], Yánez-Ayabaca, A. 1770 [CDS], Yánez-Ayabaca, A. 1773 [CDS], Yánez-Ayabaca, A. 1818 [CDS], Yánez-Ayabaca, A. 1901 [CDS], Yánez-Ayabaca, A. 2032 [CDS], Yánez-Ayabaca, A. 2034 [CDS], Yánez-Ayabaca, A. 2065 [CDS], Yánez-Ayabaca, A. 2116 [CDS], Spielmann, A.A. 10411 [CDS], Spielmann, A.A. 10618 [CDS], Spielmann, A.A. 10631 [CDS], Nugra, F. 1131 [CDS], Truong, C. 1241 [CDS]

Cladonia subulata (L.) Weber ex F. H. Wigg.

[*Cladonia cornutoradiata* (Coem.) Sandst., *Cladonia cornutoradiata f. cornutoradiata* (Vain.) Zopf, *Cladonia cornutoradiata f. furcellata* (Hoffm.) Sandst., *Cladonia cornutoradiata f. radiata* (Navàs) Sandst., *Cladonia cornutoradiata f. repetito-prolifera* Sandst., *Cladonia cornutoradiata f. subacuminata* (Vain.) Oxner, *Cladonia cornutoradiata var. cornutoradiata* (Vain.) Zopf, *Cladonia cornutoradiata var. subulata* (L.) Vain., *Cladonia fimbriata var. cornutoradiata* Vain., *Cladonia fimbriata var. radiata* (Schreb.) Cromb., *Cladonia fimbriata var. subcornuta* Nyl. ex Cromb., *Cladonia fimbriata var. subulata* (L.) Vain., *Cladonia furcata var. subulata* (L.) Rabenh., *Cladonia nemoxyna f. abortiva* (Flörke) M. Choisy, *Cladonia nemoxyna var. gianjonae* Sambo, *Cladonia nemoxyna var. subacuminata* (Vain.) Oxner, *Cladonia radiata* (Schreb.) Ach., *Cladonia radiata f. cladocarpoides* M. Choisy, *Cladonia radiata f. crassa* (Delise) M. Choisy, *Cladonia radiata f. furcellata* (Hoffm.) M. Choisy, *Cladonia radiata f. radiata* (Schreb.) Ach., *Cladonia radiata f. tortuosa* (Delise) M. Choisy, *Cladonia radiata var. radiata* (Schreb.) Ach., *Cladonia subulata f. radiata* (Schreb.) J.W. Thomson, *Cladonia subulata var. radiata* (Schreb.) Ozenda & Clauzade, *Lichen cornigerus* With., *Lichen subulatus* L.]
problematic, name not resolved, no modern record, source: Návas (1908; as *Cladonia fimbriata* var. *subulata* and var. *cornutoradiata*), Müller (1879;

as *Cladonia fimbriata* f. *subulata*), Zahlbruckner (1905; as *Cladonia fimbriata* var. *subulata*)

Cladonia symphoriza Nyl.

source: Mandl (2007, as *Cladonia* cf. *symphoriza*)

Cladonia tessellata Ahti & Kashiw.

source: Ahti (2000)

Cladonia verruculosa (Vain.) Ahti

[*Cladonia pityrea var. verruculosa* Vain.]
source: Ahti (1992); R.C. Harris 16903 [ASU], S.R. Gradstein GSV-54 [ASU], Harris, R. 17364 [MIN], Richard C. Harris 17364 [MOR]

Cladophialophora

Cladophialophora megalosporae Diederich

* = lichenicolous fungi (parasites on living lichens); on *Megalospora admixta*, source: Etayo (2017)

Cladophialophora normandinae (Diederich & Etayo) Diederich

[*Sclerococcum normandinae* Diederich & Etayo]
* = lichenicolous fungi (parasites on living lichens); on *Pertusaria* sp. & sterile white lichen, source: Etayo (2017); Etayo, J. 25769 [hb. Etayo]

Cladophialophora parmeliae Etayo & Diederich

[*Sclerococcum parmeliae* Etayo & Diederich]
* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna sp., Parmotrema sp., & Normandina aff. pulchella*, source: Etayo (2017); Etayo, J. 20098 [hb. Etayo], Etayo, J. 25460 [hb. Etayo], Etayo, J. 25484 [hb. Etayo], Etayo, J. 25495 [hb. Etayo], Etayo, J. 25518 [hb. Etayo], J. Etayo 26300 [hb. Etayo], Etayo, J. 26991 [hb. Etayo]

Clandestinotrema

Clandestinotrema ecorticatum (Mangold) Rivas Plata, Lücking & Lumbsch

[*Ocellularia ecorticata* Mangold]
Klara Scharnagl 2146 [MSC]

Clandestinotrema tenue (Hale) Rivas Plata, Lücking & Lumbsch

source: Lücking (2015); R. C. Harris 17916 [NY]

Clathroporina

Clathroporina mastoidea (Ach.) R.C. Harris

[*Porina mastoidea* (Ach.) Müll.Arg., *Porina mastoidea var. mastoidea* Fée, *Porophora mastoidea* (Ach.) Spreng., *Pyrenula mastoidea* Ach., *Segestria mastoidea* (Ach.) Hellb.]
source: Nöske et al. (2007; as *P.* cf. *mastoidea*)

Clypeococcum

Clypeococcum amylaceum Etayo

* = lichenicolous fungi (parasites on living lichens); on *Parmotrema reticulatum & Parmotrema sp.*, Holotype QCA, Etayo 20043, source: Etayo (2017); Etayo, J. 20043 [hb. Etayo], J. Etayo 25336 [hb. Etayo], J. Etayo 25339 [hb. Etayo], Etayo, J. 25634 [hb. Etayo], J. Etayo 25543 [hb. Etayo]

Clypeococcum cajasense Etayo

* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp., Holotype QCA, Etayo 20070, source: Etayo (2017); Etayo, J. 20070 [hb. Etayo], Etayo, J. 25875 [hb. Etayo]

Clypeococcum rugosisporum Etayo & Zhurb.

* = lichenicolous fungi (parasites on living lichens); on *Parmotrema reticulatum*, Holotype QCA, Etayo 25473, source: Etayo (2017); Etayo, J. 25473 [hb. Etayo], Etayo, J. & Palice, Z. 25473 [QCAM]

Clypeopyrenis

Clypeopyrenis microsperma (Müll.Arg.) Aptroot

[*Microthelia microsperma* Müll.Arg.]
source: Aptroot (1991), Nöske et al. (2007); R. C. Harris 17926 [NY], A. Aptroot 10601 [NY], Klara Scharnagl 1816 [MSC], Klara Scharnagl 2246 [MSC], Klara Scharnagl 2255 [MSC], Klara Scharnagl 2275 [MSC], Klara Scharnagl 1964 [MSC], Klara Scharnagl 1971 [MSC], Klara Scharnagl 1975 [MSC], Klara Scharnagl 1976 [MSC], Klara Scharnagl 2001 [MSC], Klara Scharnagl 2009 [MSC], Klara Scharnagl 2072 [MSC], Klara Scharnagl 2161 [MSC], Klara Scharnagl 2173 [MSC], Richard C. Harris 17926 [PH]

Clypeopyrenis porinoides Komposch, J. E. Hern. & Rosabal

Klara Scharnagl 1817 [MSC], Klara Scharnagl 1897 [MSC], Klara Scharnagl 1918 [MSC], Klara Scharnagl 1919 [MSC], Klara Scharnagl 2198 [MSC]

Coccocarpia

Coccocarpia delicatula Bungartz, Ziemmeck & Lücking

endemic to Galapagos, Type: Ecuador. Galápagos: Isla Sán Cristóbal, area W of Cerro Pelado on the way to El Ripioso, 0°52'S, 89°28'W, 400 m, transition zone, open *Psidium guajava* shrubland with *Macraea laricifolia* and dominant annual herb *Malachra capitata*, on bark and wood, dead twigs of *Psidium guajava*, sunny, wind- and rain-exposed, August 2008, Bungartz 8496 (CDS-41142 – holotype!), source: Lumbsch et al. (2011); Bungartz, F. 8496 [CDS], Bungartz, F. 6584 [CDS]

Coccocarpia dissecta Swinscow & Krog

source: Benítez et al. (2012, 2015); Benítez, A. 121 [HUTPL]

Coccocarpia domingensis Vain.

source: Lücking (1999), Nöske & Sipman (2004), Nöske (2005), Mandl (2007), Nöske et al. (2007), Lücking (2008); R. Lücking 96-333 [WIS], K. Kalb 18823 [WIS], K. Kalb 19264 [WIS], K. Kalb 18828 [WIS], K. Kalb 18148 [WIS], K. Kalb 18633 [WIS], K. Kalb 18675 [WIS], Aptroot, A. 63909 [CDS], Bungartz, F. 5745 [CDS], Ertz, D. 11711 [CDS], Nugra, F. 529 [CDS], Bungartz, F. 8137 [CDS], Bungartz, F. 7302 B [CDS], Arvidsson... 276 [GB], Arvidsson... 262 [GB], Arvidsson... 258 [GB], Arvidsson... 325 [GB], Arvidsson... 77 [GB], Arvidsson... 278 [GB], Arvidsson... 266 [GB], Arvidsson... 260 [GB], Arvidsson... 4014 [GB], Arvidsson... 3904 [GB], Asplund, Erik 1955-12-09 [GB], Harling... 16812a [GB], Lugo S., Holguer 4191g [GB], Arvidsson... 1929b [GB], Arvidsson... 1582 [GB], Arvidsson... 1630 [GB], Arvidsson... 1669 [GB], Arvidsson... 1666 [GB], Arvidsson... 3372 [GB], Arvidsson... 3472 [GB], Arvidsson... 6420 [GB], Arvidsson... 676 [GB], Arvidsson... 2225 [GB], Arvidsson... 2103 [GB], Arvidsson... 2002 [GB], Arvidsson... 2001 [GB], Ståhl, Bertil 289 [GB], Harling... 16234b [GB], Brako, Lois 5370 [GB], Brako, Lois 5195B [GB], Arvidsson... 3844 [GB], Arvidsson... 1773 [GB], Arvidsson... 1869c [GB], Arvidsson... 1816 [GB], Arvidsson... 1815 [GB], Arvidsson... 1814 [GB], Arvidsson... 2158 [GB], Arvidsson... 1979-02-17 [GB], Arvidsson... 2147 [GB], Arvidsson... 2159a [GB], Arvidsson... 2159b [GB], Arvidsson... 2157 [GB], Arvidsson... 1867 [GB], Robert Lücking 96-291 [INABIOEC-MECN-QCNE], Robert Lücking 96-358 [INABIOEC-MECN-QCNE]

Coccocarpia epiphylla (Fée) Kremp.

[*Circinaria epiphylla* Fée]
source: van den Boom et al. (2022)

Coccocarpia erythrocardia (Müll. Arg.) Arv.

[*Coccocarpia pellita var. erythrocardia* Müll.Arg., *Pannaria parmelioides var. erythrocardia* (Müll. Arg.) Hue]

source: Marcano, et. al. (1995); Arvidsson... 4726 [GB], Arvidsson... 4725 [GB], Arvidsson... 399 [GB], Arvidsson... 400 [GB], Arvidsson... 4724 [GB], Andersson... 425 [GB], Arvidsson... 4085 [GB], Arvidsson... 4084 [GB], Arvidsson... 1941 [GB], Arvidsson... 1930 [GB], Arvidsson... 1585 [GB]

Coccocarpia erythroxyli (Sprengel) Swinscow & Krog

[*Circinaria erythroxyli* (Spreng.) Fée, *Coccocarpia aurantiaca* (Hook. f. & Taylor) Mont. & Bosch, *Coccocarpia aurantiaca var. aurantiaca* (Hook. f. & Taylor) Mont. & Bosch, *Coccocarpia aurantiaca var. furfuracea* Müll.Arg., *Coccocarpia ciliolata* Mont., *Coccocarpia cronia var. aurantiaca* (Hook. f. & Taylor) Vain., *Coccocarpia incisa* Pers., *Coccocarpia leucorrhiza* Hampe, *Coccocarpia parmelioides* (Hook.) Tuck. ex M.A. Curtis, *Coccocarpia pellita var. mesomorpha* Müll.Arg., *Coccocarpia pellita var. parmelioides* (Hook. f.) Müll. Arg., *Coccocarpia pellita var. semiincisa* Müll.Arg., *Lecidea erythroxyli* Spreng., *Lecidea parmelioides* Hook. f., *Pannaria aurantiaca* (Hook. f. & Taylor) Schwend., *Pannaria ciliolata* (Mont.) Hue, *Pannaria molybdaea var. incisa* (Pers.) Tuck., *Pannaria parmelioides* (Hook. f.) Colmeiro, *Pannaria parmelioides var. parmelioides* (Hook. f.) Colmeiro, *Pannaria parmelioides var. pyrrhichocarpa* Hue, *Solorina aurantiaca* Hook. f. & Taylor]

source: Leighton (1866; as *Coccocarpia parmelioides*), Müller (1879; as *Coccocarpia parmelioides*), Romeguère (1879; as *Coccocarpia parmelioides*), Dodge (1935), Weber (1986; as *Pannaria molybdaea*), Elix & McCarthy (1998; as *Coccocarpia pellita* var. *parmelioides*), Lücking (1999, 2008), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Benítez et al. (2012, 2015), Benítez (2016); W.A. Weber L--40290 [ASU], K. Kalb 18567 [WIS], K. Kalb 18632 [WIS], K. Kalb 18684 [WIS], K. Kalb 18189 [WIS], H. K. Svenson 1930-04-10 [FH], W.A. Weber L-40290 [HAW], L. Brako 5147 [US], L. Brako 5147 [US], Bungartz, F. 9572 [CDS], Benítez, A. 122 [HUTPL], Arvidsson... 1868 [GB], Arvidsson... 1828 [GB], Arvidsson... 1825 [GB], Arvidsson... 1830 [GB], Arvidsson... 1831 [GB], Arvidsson... 1742 [GB], Arvidsson... 1772 [GB], Arvidsson... 1826 [GB], Andersson, Lennart 308 [GB], Arvidsson... 2150 [GB], Arvidsson... 2149 [GB], Arvidsson... 333 [GB], Arvidsson... 335 [GB], Arvidsson... 269 [GB], Arvidsson... 268 [GB], Arvidsson... 271 [GB], Arvidsson... 200 [GB], Arvidsson... 219 [GB], Arvidsson... 506 [GB], Andersson... 421 [GB], Andersson, Lennart 866 [GB], Andersson, Lennart 902 [GB], Andersson, Lennart 913 [GB], Løjtnant... 13487 [GB], Løjtnant... 13484 [GB], Arvidsson... 589 [GB], Arvidsson... 590 [GB], Arvidsson... 591 [GB], Andersson, Lennart 658 [GB], Andersson, Lennart 659 [GB], Andersson... 424 [GB], Arvidsson... 1338 [GB], Brako, Lois 5235 [GB], Arvidsson... 2227 [GB], Arvidsson... 1998 [GB], Arvidsson... 1997 [GB], Arvidsson... 2223 [GB], Arvidsson... 2102 [GB], Arvidsson... 2335 [GB], Arvidsson... 1999 [GB], Arvidsson... 2222 [GB], Arvidsson... 6422 [GB], Arvidsson... 648 [GB], Arvidsson... 649 [GB], Arvidsson... 651 [GB], Arvidsson... 1664 [GB], Arvidsson... 1709 [GB], Arvidsson... 3027 [GB], Arvidsson... 343 [GB], Arvidsson... 3464 [GB], Arvidsson... 3381 [GB], Arvidsson... 3383 [GB], Arvidsson... 1828 [GB], Arvidsson... 1829 [GB], Arvidsson... 1833 [GB], Arvidsson... 1832 [GB], Arvidsson... 1743 [GB], Andersson, Lennart 226 [GB], Andersson, Lennart 206 [GB], Arvidsson... 1629 [GB], Arvidsson... 1706 [GB], Arvidsson... 396 [GB], Arvidsson... 267 [GB], Arvidsson... 270 [GB], Arvidsson... 269 [GB], Arvidsson... 334 [GB], Arvidsson... 556 [GB], Arvidsson... 56 [GB], Arvidsson... 4011 [GB], Arvidsson... 4010 [GB], Arvidsson... 3913 [GB], Andersson... 420 [GB], Andersson... 405 [GB], Holm-Nielsen... 494 [GB], Etayo, J. 25805 [hb. Etayo], Etayo, J. 26348 [hb. Etayo]

Coccocarpia filiformis Arv.

source: Lücking (1999, as *Coccocarpia* cf. *filiformis*); Lücking (2008), Benítez et al. (2012, 2015), Fernández-Prado et al. (2022), van den Boom et al. (2022); Benítez, A. 123 [HUTPL]

Coccocarpia flavicans Arv.

Arvidsson... 2004 [GB], Arvidsson... 2000 [GB]

Coccocarpia guimarana (Vain.) Swinscow & Krog

source: Benítez et al. (2012, 2015); Benítez, A. 124 [HUTPL]

Coccocarpia microphyllina Lücking & Aptroot

source: Benítez et al. (2012, 2015); Benítez, A. 125 [HUTPL]

Coccocarpia neglecta Aptroot & Lücking

source: Lücking (2008), van den Boom et al. (2022)

Coccocarpia palmicola (Sprengel) Arv. & D. J. Galloway

[*Coccocarpia cronia* (Tuck.) Vain., *Coccocarpia cronia f. cronia* (Tuck.) Vain., *Coccocarpia cronia f. palumbina* (Nyl.) Zahlbr., *Coccocarpia cronia var. camporum* (Malme) Zahlbr., *Coccocarpia cronia var. cronia* (Tuck.) Vain., *Coccocarpia cronia var. furfuracea* (Müll. Arg.) Vain., *Coccocarpia cronia var. granulosa* (Müll. Arg.) Vain., *Coccocarpia cronia var. incisa* (Pers.) Zahlbr., *Coccocarpia cronia var. isidiophylla* (Müll. Arg.) Vain., *Coccocarpia cronia var. isidiosa* (Müll. Arg.) Vain., *Coccocarpia cronia var. lividorufa* (Meyen & Flot.) Zahlbr., *Coccocarpia cronia var. prolificans* (Malme) C.W. Dodge, *Coccocarpia cronia var. subaurantiaca* (Taylor) Vain., *Coccocarpia pellita var. isidiophylla* Müll.Arg., *Coccocarpia pellita var. isidiosa* Müll.Arg., *Lecidea palmicola* Spreng., *Pannaria molybdaea var. cronia* (Tuck.) Tuck., *Parmelia cronia* Tuck.]

source: Weber (1986), Elix & McCarthy (1998), Lücking (1999, 2008), Nöske & Sipman (2004), Nöske (2005), Mandl (2007), Nöske et al. (2007), Benítez et al. (2012, 2015), Chuquimarca et al. (2019), Déleg et al. (2021), Fernández-Prado et al. (2022); Alban N. Stewart 1905-10-28 [FH], D. Cavagnaro [COLO], W. A. Weber [COLO], W. A. Weber [COLO], H. Sipman [COLO], H. Sipman L-93 [US], W. A. Weber L-40289 [US], Weber, W.A. s.n. [CDS], Aptroot, A. 63094 [CDS], Aptroot, A. 63137 [CDS], Bungartz, F. 3929 [CDS], Bungartz, F. 3954 [CDS], Aptroot, A. 63910 [CDS], Bungartz, F. 3553 [CDS], Bungartz, F. 5539 [CDS], Bungartz, F. 4251 [CDS], Bungartz, F. 3588 [CDS], Aptroot, A. 64039 [CDS], Bungartz, F. 3472 [CDS], Bungartz, F. 5060 [CDS], Bungartz, F. 4458 [CDS], Aptroot, A. 64949 [CDS], Bungartz, F. 3732 [CDS], Bungartz, F. 4877 [CDS], Aptroot, A. 65465 [CDS], Bungartz, F. 5254 [CDS], Bungartz, F. 4777 [CDS], Bungartz, F. 6656 [CDS], Bungartz, F. 6663 [CDS], Bungartz, F. 5685 [CDS], Bungartz, F. 5789 [CDS], Bungartz, F. 5513 [CDS], Bungartz, F. 6582 [CDS], Bungartz, F. 6652 [CDS], Bungartz, F. 5944 [CDS], Bungartz, F. 6705 [CDS], Bungartz, F. 6811 [CDS], Bungartz, F. 6821 [CDS], Bungartz, F. 6838 [CDS], Bungartz, F. 6869 [CDS], Bungartz, F. 6881 [CDS], Nugra, F. 452 [CDS], Ertz, D. 11912 [CDS], Bungartz, F. 7458 [CDS], Bungartz, F. 7474 [CDS], Bungartz, F. 7564 [CDS], Bungartz, F. 7623 [CDS], Bungartz, F. 7807 [CDS], Nugra, F. 561 [CDS], Truong, C. 1120 [CDS], Truong, C. 1271 [CDS], Truong, C. 1297 [CDS], Herrera-Campos, M.A. 10559 [CDS], Herrera-Campos, M.A. 10565 [CDS], Bungartz, F. 8158 [CDS], Bungartz, F. 8415 [CDS], Herrera-Campos, M.A. GAL-417 [CDS], Nugra, F. 566 [CDS], Nugra, F. 621 [CDS], Hillmann, G. GAL-152 [CDS], Hillmann, G. GAL-154 [CDS], Hillmann, G. GAL-148 [CDS], Nugra, F. 906 [CDS], Rivas Plata, E. 4064 [CDS], Rivas Plata, E. 4049 [CDS], Bungartz, F. 10154 [CDS], Bungartz, F. 9701 [CDS], Yánez-Ayabaca, A. 1897 [CDS], Spielmann, A.A. 10487 [CDS], Spielmann, A.A. 10640 [CDS], Spielmann, A.A. 10643 [CDS], Spielmann, A.A. 10673 [CDS], Spielmann, A.A. 10755 [CDS], Bungartz, F. 10303 [CDS], Bungartz, F. 10531 B [CDS], Bungartz, F. 10257 [CDS], Herrera-Campos, M.A. 10657 B [CDS], Bungartz, F. 10426 [CDS], Nugra, F. 530 [CDS], Truong, C. 1249 [CDS], Clerc, P. 08-162 [CDS], Clerc, P. 08-305 [CDS], Benítez, A. 126 [HUTPL], Arvidsson... 1864 [GB], Arvidsson... 175 [GB], Arvidsson... 57 [GB], Arvidsson... 201 [GB], Arvidsson... 58 [GB], Arvidsson... 218 [GB], Arvidsson... 217 [GB], Arvidsson... 216 [GB], Arvidsson... 4012 [GB], Arvidsson... 4009 [GB], Arvidsson... 4008 [GB], Arvidsson... 398 [GB], Arvidsson... 397 [GB], Arvidsson... 274 [GB], Arvidsson... 336 [GB], Arvidsson... 2003 [GB], Arvidsson... 2221 [GB], Arvidsson... 2229 [GB], Arvidsson... 2224 [GB], Arvidsson... 2220 [GB], Arvidsson... 4670 [GB], Arvidsson... 4679 [GB], Arvidsson... 2275 [GB], Arvidsson... 2270 [GB], Arvidsson... 2271 [GB], Arvidsson... 2337 [GB], Arvidsson... 4771 [GB], Arvidsson... 4722 [GB], Arvidsson... 1291 [GB], Arvidsson... 1665 [GB], Arvidsson... 1628 [GB], Arvidsson... 1668 [GB], Arvidsson... 1707 [GB], Arvidsson... 1929a [GB], Arvidsson... 1584 [GB], Arvidsson... 2153 [GB], Arvidsson... 2152 [GB], Arvidsson... 2151 [GB], Arvidsson... 977 [GB], Brako, Lois 5195D [GB], Harling, G.... 7128a [GB], Arvidsson... 6421 [GB], Arvidsson... 4057 [GB], Arvidsson... 650 [GB], Arvidsson... 1774 [GB], Arvidsson... 1865 [GB], Arvidsson... 1824 [GB], Arvidsson... 1823 [GB], [collector unknown] 1947-09-07 [GB], Etayo, J. 25461 [hb. Etayo], Etayo, J. 25754 [hb. Etayo], Etayo, J. 25846 [hb. Etayo]

Coccocarpia pellita (Ach.) Müll.Arg.

[*Coccocarpia portoricensis* C.W. Dodge, *Lecidea pellita* (Ach.) Spreng., *Lecidea portoricensis* Spreng., *Pannaria molybdaea* (Pers.) Tuck., *Parmelia pellita* Ach., *Patellaria portoricensis* (Spreng.) Spreng.]

source: Svenson (1935), Lücking (1999, 2008), Nöske & Sipman (2004), Nöske (2005), Mandl (20017), Nöske et al. (2007), Benítez et al. (2012, 2015), Benítez (2016), Chuquimarca et al. (2019), Benítez et al. (2019), Déleg et al. (2021), Fernandéz-Prado et al. (2022); Klara Scharnagl 2191 [MSC], K. Kalb 18451 [WIS], K. Kalb 18153 [WIS], K. Kalb 19434 [WIS], Bungartz, F. 3453 [CDS], Nugra, F. 201 [CDS], Aptroot, A. 65321 [CDS], Bungartz, F. 3516 [CDS], Bungartz, F. 4826 [CDS], Bungartz, F. 3694 [CDS], Nugra, F. 321 [CDS], Nugra, F. 363 [CDS], Nugra, F. 341 [CDS], Nugra, F. 176 [CDS], Nugra, F. 193 [CDS], Nugra, F. 300 [CDS], Nugra, F. 77 [CDS], Nugra, F. 14 [CDS], Bungartz, F. 5725 [CDS], Bungartz, F. 5615 [CDS], Nugra, F. 433 [CDS], Bungartz, F. 6845 [CDS], Bungartz, F. 6854 [CDS], Bungartz, F. 6866 [CDS], Truong, C. 1528 [CDS], Herrera-Campos, M.A. 10550 [CDS], Bungartz, F. 8263 [CDS], Bungartz, F. 8359 [CDS], Bungartz, F. 8495 [CDS], Bungartz, F. 8558 [CDS], Herrera-Campos, M.A. GAL-424 [CDS], Herrera-Campos, M.A. GAL-431 [CDS], Nugra, F. 637 [CDS], Dal-Forno, M. 1172 [CDS], Dal-Forno, M. 1193 A [CDS], Bungartz, F. 9290 [CDS], Bungartz, F. 10155 [CDS], Bungartz, F. 10172 [CDS], Bungartz, F. 9294 [CDS], Bungartz, F. 9319 [CDS], Yánez-Ayabaca, A. 1751 [CDS], Yánez-Ayabaca, A. 1925 [CDS], Nugra, F. 1108 [CDS], Nugra, F. 1110 [CDS], Nugra, F. 1111 [CDS], Aptroot, A. 64247 [CDS], Bungartz, F. 10926 [CDS], Benítez, A. 8 [HUTPL], Benítez, A. 127 [HUTPL], Arvidsson... 6689 [GB], Arvidsson... 6721 [GB], Arvidsson... 3791 [GB], Arvidsson... 588 [GB], Arvidsson... 1583 [GB], Arvidsson... 1667 [GB], Arvidsson... 1710 [GB], Arvidsson... 1931 [GB], Arvidsson... 1820 [GB], Arvidsson... 1821 [GB], Arvidsson... 1822 [GB], Arvidsson... 1869a [GB], Arvidsson... 1869d [GB], Arvidsson...

4723 [GB], Arvidsson... 2101 [GB], Arvidsson... 2005 [GB], Arvidsson... 2336 [GB], Arvidsson... 2159h [GB], Arvidsson... 2154 [GB], Arvidsson... 2155 [GB], Arvidsson... 677 [GB], Arvidsson... 652 [GB], Arvidsson... 141 [GB], Arvidsson... 3953 [GB], Arvidsson... 21 [GB], Arvidsson... 337 [GB], Arvidsson... 272 [GB], Arvidsson... 3897 [GB], Arvidsson... 4359 [GB], Lugo S., Holguer 4191h [GB], Etayo, J. 20029 [hb. Etayo], Etayo, J. 25791 [hb. Etayo], Etayo, J. 26236 [hb. Etayo], Etayo, J. 26244 [hb. Etayo]

Coccocarpia prostrata Lücking, Aptroot & Sipman

source: Benítez et al. (2012, 2015), Déleg et. al (2021); Bungartz, F. 8285 B [CDS], Aptroot, A. 63175 [CDS], Bungartz, F. 3976 [CDS], Ziemmeck, F. 542 [CDS], Nugra, F. 371 [CDS], Bungartz, F. 3277 [CDS], Bungartz, F. 8756 [CDS], Truong, C. 1149 A [CDS], Bungartz, F. 8283 E [CDS], Truong, C. 1208 B [CDS], Benítez, A. 128 [HUTPL]

Coccocarpia stellata Tuck.

[*Candelaria stellata* (Tuck.) Müll.Arg., *Candelaria stellata var. cinerea* Müll.Arg., *Candelaria stellata var. stellata* (Tuck.) Müll.Arg., *Pannaria stellata* (Tuck.) Nyl., *Pannularia stellata* (Tuck.) Nyl., *Parmeliella stellata* (Tuck.) Zahlbr., *Placodium stellatum* (Tuck.) Gyeln., *Placodium stellatum var. cinereum* (Müll. Arg.) Gyeln., *Placodium stellatum var. stellatum* (Tuck.) Gyeln., *Psoroma stellata* (Tuck.) A. Schneid., *Trachyderma stellatum* (Tuck.) Trevis.]
source: Lücking (1999, 2008), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Benítez et al. (2012, 2015), Benítez (2016), van den Boom et al. (2022), Fernández-Prado et al. (2022); Benítez, A. 129 [HUTPL], Arvidsson... 3851 [GB], Arvidsson... 3691 [GB], Andersson, Lennart 655 [GB], Harling... 16234a [GB], Brako, Lois 5195E [GB], Brako, Lois 5195C [GB], Arvidsson... 1292 [GB], Arvidsson... 2006 [GB], Arvidsson... 2226 [GB], Arvidsson... 4133 [GB], Arvidsson... 4121 [GB], Arvidsson... 3892 [GB], Arvidsson... 3893 [GB], Arvidsson... 4031 [GB], Arvidsson... 326 [GB], Harling... 10058a [GB], Arvidsson... 2159f [GB], Arvidsson... 2159e [GB], Arvidsson... 2159d [GB], Arvidsson... 2159g [GB], Arvidsson... 2148 [GB], Harling... 14015a [GB], Arvidsson... 1817 [GB], Arvidsson... 1819 [GB], Arvidsson... 1818 [GB], Arvidsson... 1884 [GB], Arvidsson... 1869b [GB], Arvidsson... 4182 [GB], Arvidsson... 705 [GB]

Coccocarpia tenuissima Müll.Arg.

source: Fernández-Prado et al. (2022)

Coenogonium

Coenogonium bacilliferum (Malme) Lücking, Aptroot & Sipman

[*Dimerella bacillifera* Malme, *Microphiale bacillifera* (Malme) Zahlbr.]
source: Benítez et al. (2015), Benítez (2016); Benítez, A. 133 [HUTPL]

Coenogonium barbatum Lücking, Aptroot & Umaña

source: Lücking (1999), Fernández-Prado et al. (2022)

Coenogonium ciliatum Kalb & Lücking

source: Lücking (1999, 2008)

Coenogonium congensis C.W. Dodge

[*Coenogonium congense* C.W. Dodge]
Klara Scharnagl 1948 [MSC], Klara Scharnagl 2158 [MSC], Klara Scharnagl 2175 [MSC]

Coenogonium dilucidum (Kremp.) Kalb & Lücking

[*Dimerella dilucida* (Kremp.) R. Sant., *Lecidea dilucida* Kremp., *Microphiale dilucida* (Kremp.) Zahlbr.]
source: Lücking (1999, 2008)

Coenogonium epiphyllum Vain.

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 134 [HUTPL]

Coenogonium eximium (Nyl.) Kalb & Lücking

[*Dimerella eximia* (Nyl.) Vězda]
source: Benítez et al. (2015), Benítez (2016); Benítez, A. 135 [HUTPL]

Coenogonium flavicans (Vězda & Farkas) Kalb & Lücking

[*Dimerella flavicans* Vězda & Farkas]
source: Lücking (1999); Robert Lücking 96-828 [INABIOEC-MECN-QCNE]

Coenogonium flavum (Malcolm & Vězda) Malcolm

[*Dimerella flava* Malcolm & Vězda]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 5011 B [CDS]

Coenogonium frederici (Kalb) Kalb & Lücking

[*Dimerella frederici* Kalb]
source: Benítez et al. (2015; as *Coenogonium* aff. *frederici*); Benítez, A. 131 [HUTPL]

Coenogonium geralense (P. Henn) Lücking

[*Ombrophila geralensis* Henn., *Orbilia geralensis* (Henn.) Rick]
source: Lücking (2008), van den Boom et al. (2022); Bungartz, F. 7095 [CDS], Aptroot, A. 64269 B [CDS], Aptroot, A. 64336 [CDS], Bungartz, F. 7083 [CDS], Hillmann, G. GAL-41 [CDS]

Coenogonium hypophyllum (Vězda) Kalb & Lücking

[*Dimerella hypophylla* Vězda]
source: Lücking (1999), Lücking & Matzer (2001), Lücking (2008); R. Lücking s.n. [WIS]

Coenogonium interplexum Nyl.

native, indigenous; Klara Scharnagl 1866 [MSC], Klara Scharnagl 1844 [MSC], Klara Scharnagl 1940 [MSC], Klara Scharnagl 2052 [MSC], Aptroot, A. 65306 [CDS], Yánez-Ayabaca, A. 1527 B [CDS], Aptroot, A. 65037 C [CDS], Yánez-Ayabaca, A. 1736 [CDS], Yánez-Ayabaca, A. 1776 [CDS], Yánez-Ayabaca, A. 1778 [CDS], Bungartz, F. 10049 [CDS], Bungartz, F. 9638 [CDS], Bungartz, F. 9622 [CDS], Bungartz, F. 10006 [CDS], Bungartz, F. 9682 [CDS], Bungartz, F. 10431 [CDS], Bungartz, F. 10443 [CDS]

Coenogonium interpositum Nyl.

[*Coenogonium ornatum* Müll.Arg.]
source: Lücking (1999, 2008); Klara Scharnagl 2056 [MSC], Klara Scharnagl 2233 [MSC], R. Lücking 96-835 [WIS]

Coenogonium isidiiferum (Lücking) Lücking

[*Dimerella isidiifera* Lücking]
source: Lücking (1999, 2008)

Coenogonium isidiosum (Breuss) Rivas Plata, Lücking, Umaña & Chavez

[*Dimerella isidiosa* Breuss]
source: Benítez et al. (2015), Benítez (2016); Nugra, F. 1126 [CDS], Yánez-Ayabaca, A. 1769 [CDS], Spielmann, A.A. 10715 [CDS], Bungartz, F. 10305 [CDS], Bungartz, F. 10446 [CDS], Bungartz, F. 10447 [CDS]

Coenogonium kalbii Aptroot, Lücking & Umaña

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 137 [HUTPL], Benítez, A. 138 [HUTPL], Benítez, A. 139 [HUTPL]

Coenogonium kawanae (H. Harada & Vězda) H. Harada & Lumbsch

[*Dimerella kawanae* H. Harada & Vězda]
source: Benítez et al. (2015; as *Coenogonium* aff. *kawanae*); Benítez, A. 132 [HUTPL]

Coenogonium leprieurii (Mont.) Nyl.

[*Coenogonium linkii var. leprieurii* Mont., *Holocoenis leprieurii* (Mont.) Clem.]

source: Mittermeier (2015), Nöske et al. (2007), Benítez et al. (2015), Benítez (2016), Fernández-Prado et al. (2022); R. C. Harris 17827 [NY], R. C. Harris 17914 [NY], R. C. Harris 17924 [NY], L. Brako 4597 [NY], L. Brako 4610 [NY], L. Brako 4619a [NY], Klara Scharnagl 2242 [MSC], Klara Scharnagl 1956 [MSC], Klara Scharnagl 2076 [MSC], Klara Scharnagl 2154 [MSC], Benítez, A. 140 [HUTPL]

Coenogonium linkii Ehrenb.

[*Coenogonium controversum* Pers.]
source: Leighton (1866), Lücking (1999), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Lücking (2008), Mittermeier (2015), Ben´tez et al. (2015), Benítez (2016), Chuquimarca et al. (2019), Déleg et al. (2021), van den Boom et al. (2022), Fernández-Prado et al. (2022); L. Brako 5147a [NY], M. A. Solís 7961 [NY], Klara Scharnagl 2251 [MSC], Klara Scharnagl 1876 [MSC], Klara Scharnagl 2274 [MSC], Klara Scharnagl 2271 [MSC], Klara Scharnagl 1894 [MSC], Klara Scharnagl 1906 [MSC], Klara Scharnagl 1930 [MSC], Klara Scharnagl 1967 [MSC], Klara Scharnagl 1991 [MSC], Klara Scharnagl 2006 [MSC], Klara Scharnagl 2034 [MSC], Klara Scharnagl 2082 [MSC], Klara Scharnagl 2137 [MSC], Klara Scharnagl 2213 [MSC], Klara Scharnagl 2220 [MSC], Benítez, A. 141 [HUTPL], Rosa Batallas Molina 457 D [INABIOEC-MECN-QCNE], Carlos Cerón 17278 [INABIOEC-MECN-QCNE], Carla Cole 214 [INABIOEC-MECN-QCNE], Diana M. Fernández 133 [INABIOEC-MECN-QCNE], Diana M. Fernández 159 [INABIOEC-MECN-QCNE], María Piedad Lincango 176 [INABIOEC-MECN-QCNE], Aracely López 22 [INABIOEC-MECN-QCNE], Robert Lücking 96-827 [INABIOEC-MECN-QCNE], Norma Osorio 17 [INABIOEC-MECN-QCNE], María Fernanda Salvador 90 [INABIOEC-MECN-QCNE], Tatiana Dávila 84 [INABIOEC-MECN-QCNE]

Coenogonium lisowskii (Vězda) Lücking

[*Dimerella lisowskii* Vězda]
source: Lücking (1999, 2008), van den Boom et al. (2022)

Coenogonium luteolum (Kalb) Kalb & Lücking

[*Dimerella luteola* Kalb]
source: Benítez et al. (2015); Benítez, A. 142 [HUTPL]

Coenogonium lutescens (Vězda & Malcolm) Malcolm

[*Dimerella lutescens* Vězda & Malcolm]
source: Benítez et al. (2015), Benítez (2016); Benítez, A. 143 [HUTPL]

Coenogonium luteum (Dicks.) Kalb & Lücking

[*Biatora lutea* (Dicks.) Hepp, *Biatorina lutea* (Dicks.) Körb., *Biatorinopsis lutea* (Dicks.) Müll. Arg., *Dimerella lutea* (Dickson) Trevisan, *Dimerella lutea f. lutea* (Dicks.) Trevis., *Gyalecta lutea* (Dicks.) Hornem., *Lecidea lutea* (Dicks.) Taylor, *Lecidea lutea var. eximia* Nyl., *Lecidea lutea var. lutea* (Dicks.) Taylor, *Lichen luteus* Dicks., *Microphiale lutea* (Dicks.) Zahlbr., *Microphiale lutea f. foliicola* Zahlbr., *Microphiale lutea f. lutea* (Dicks.) Zahlbr., *Microphiale lutea f. stenospora* Zahlbr., *Microphiale lutea f. theae* Räsänen, *Secoliga lutea* (Dicks.) Norman]
source: Lücking (1999, 2008), Déleg et al. (2021), van den Boom et al. (2022), Fernández-Prado et al. (2022); Aptroot, A. 63150 [CDS], Bungartz, F. 4067 [CDS], Aptroot, A. 65152 [CDS], Etayo, J. 25847 [hb. Etayo], Etayo, J. 25848 [hb. Etayo], Etayo, J. 25850 [hb. Etayo]

Coenogonium magdalenae Rivas Plata, Lücking & Lizano

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 144 [HUTPL], Benítez, A. 145 [HUTPL], Benítez, A. 146 [HUTPL], Benítez, A. 147 [HUTPL]

Coenogonium minimum (Müll. Arg.) Lücking

[*Biatorinopsis minima* Müll.Arg., *Dimerella minima* (Müll. Arg.) R. Sant., *Microphiale minima* (Müll. Arg.) Zahlbr.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 64553 [CDS]

Coenogonium moniliforme Tuck.

source: Benítez et al. (2015), Benítez (2016), Fernández-Prado et al. (2022); Benítez, A. 148 [HUTPL]

Coenogonium nepalense (G. Thor & Vězda) Lücking, Aptroot & Sipman

[*Dimerella nepalensis* G. Thor & Vězda]
source: Benítez et al. (2015), Benítez (2016); Benítez, A. 149 [HUTPL], Benítez, A. 150 [HUTPL], Benítez, A. 151 [HUTPL], Benítez, A. 152 [HUTPL]

Coenogonium pertenue (Stirt.) Kalb & Lücking

source: Benítez et al. (2015); Benítez, A. 153 [HUTPL]

Coenogonium pineti (Ach.) Lücking & Lumbsch

[*Biatora pineti* (Ach.) Fr., *Biatora pineti f. pineti* (Schrad.) Fr., *Biatora pineti f. terrestris* Rabenh., *Biatorina diluta* (Pers.) Th. Fr., *Biatorina pineti* (Ach.) A. Massal., *Biatorinopsis diluta* (Pers.) Müll.Arg., *Bilimbia pineti* (Ach.) Branth & Rostr., *Dimerella diluta* (Pers.) Trevis., *Dimerella diluta f. diluta* (Pers.) Trevis., *Dimerella diluta f. terrestris* (Rabenh.) Grummann, *Dimerella diluta var. diluta* (Pers.) Trevis., *Dimerella diluta var. perminuta* Malme, *Dimerella pineti* (Schrader ex Ach.) Vězda, *Gyalecta diluta* (Pers.) Blomb. & Forssell, *Gyalecta pineti* (Ach.) Tuck., *Lecidea diluta* (Pers.) Leight., *Lecidea pineti* Ach., *Lecidea pineti f. foliicola* Kremp., *Lecidea pineti f. pineti* Schrad., *Microphiale diluta* (Pers.) Zahlbr., *Peziza diluta* Pers., *Peziza diluta var. cinnamomea* Pers., *Peziza diluta var. diluta* Fr., *Peziza diluta var. fungorum* Alb. & Schwein., *Peziza diluta var. rosella* Pers., *Secoliga diluta* (Pers.) Arnold, *Sporoblastia diluta* (Pers.) Trevis.]
source: Benítez (2016), Benítez et al. (2015, 2019), Chuquimarca et al. (2019); Benítez, A. 9 [HUTPL], Benítez, A. 154 [HUTPL]

Coenogonium pyrophthalmum (Mont.) Lücking, Aptroot & Sipman

[*Biatora pyrophthalma* Mont., *Dimerella bonariensis* Malme, *Dimerella pyrophthalma* (Mont.) Vězda]
source: van den Boom et al. (2022)

Coenogonium roumeguerianum (Müll. Arg.) Kalb

[*Dimerella roumegueriana* (Müll. Arg.) Malme, *Microphiale roumegueriana* (Müll. Arg.) Zahlbr.]
source: Benítez et al. (2015), Benítez (2016); Benítez, A. 155 [HUTPL]

Coenogonium siquirrense (Lücking) Lücking

[*Dimerella siquirrensis* Lücking]
source: Lücking (1999, 2008), van den Boom et al. (2022); Clerc, P. 08-21 [CDS], Bungartz, F. 10458 [CDS]

Coenogonium strigosum Rivas Plata, Lücking & Chaves

source: Nöske et al. (2007); Klara Scharnagl 2057 [MSC], Aptroot, A. 63324 [CDS], Aptroot, A. 63836 [CDS], Aptroot, A. 63840 [CDS], Bungartz, F. 3468 [CDS], Bungartz, F. 3485 [CDS], Bungartz, F. 4991 [CDS], Bungartz, F. 4118 [CDS], Bungartz, F. 3678 [CDS], Bungartz, F. 3689 [CDS], Aptroot, A. 64301 [CDS], Aptroot, A. 64335 [CDS], Aptroot, A. 65710 [CDS], Bungartz, F. 4843 [CDS], Nugra, F. 259 [CDS], Nugra, F. 305 [CDS], Nugra, F. 335 [CDS], Nugra, F. 344 [CDS], Nugra, F. 145 [CDS], Nugra, F. 203 [CDS], Nugra, F. 263 [CDS], Rivas Plata, E. 4040 [CDS], Rivas Plata, E. 4050 [CDS], Rivas Plata, E. 4062 [CDS], Spielmann, A.A. 8228 A [CDS], Rivas Plata, E. 4078 [CDS], Spielmann, A.A. 8184 B [CDS], Spielmann, A.A. 8232 [CDS], Bungartz, F. 10040 [CDS], Hillmann, G. GAL-37 [CDS], Bungartz, F. 5588 [CDS], Bungartz, F. 5767 [CDS], Bungartz, F. 5578 [CDS], Bungartz, F. 5768 [CDS]

Coenogonium subdentatum (Vězda & G. Thor) Rivas Plata, Lücking, Umaña & Chavez

[*Dimerella subdentata* Vězda & G. Thor]
native, indigenous; Klara Scharnagl 1981 [MSC], Klara Scharnagl 2059 [MSC], Klara Scharnagl 2131 [MSC], Nugra, F. 401 [CDS], Bungartz, F. 5607 [CDS]

Coenogonium subluteum (Rehm) Kalb & Lücking

[*Biatorina sublutea* Rehm, *Biatorinopsis epiphylla* Müll.Arg., *Dimerella epiphylla* (Müll. Arg.) Malme, *Gyalecta epiphylla* (Müll. Arg.) Vain., *Microphiale epiphylla* (Müll. Arg.) Zahlbr.]
source: Lücking (1999), Lücking & Matzer (2001), Lücking (2008); Yánez-Ayabaca, A. 1931 [CDS], Robert Lücking 96-237 [INABIOEC-MECN-QCNE], Robert Lücking 96-448 [INABIOEC-MECN-QCNE], Robert Lücking 96-830 [INABIOEC-MECN-QCNE]

Coenogonium subzonatum (Lücking) Lücking & Kalb

[*Dimerella subzonata* Lücking]
source: Lücking (1999, 2008)

Coenogonium tuckermanii Mont.

source: van den Boom et al. (2022)

Coenogonium vezdanum (Lücking) Lücking

[*Dimerella vezdana* Lücking]
Holotype QCA, Lücking s.n., source: Lücking (1999, 2008); R. Lücking s.n. [WIS], R. Lücking s.n. [F]

Collema

Collema furfuraceum (Arnold) Du Rietz

[*Collema furfuraceum var. furfuraceum* Du Rietz, *Collema furfuraceum var. luzonense* (Räsänen) Degel., *Collema nigrescens f. furfuraceum* Schaer.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz (2008), Elix & McCarthy (1998), Weber (1986); Bungartz, F. 5557 [CDS], Bungartz, F. 5520 [CDS], Aptroot, A. 63076 [CDS], Bungartz, F. 3331 [CDS], Bungartz, F. 4980 [CDS], Aptroot, A. 64961 [CDS], Bungartz, F. 4362 [CDS], Bungartz, F. 4363 [CDS], Bungartz, F. 5625 [CDS], Bungartz, F. 6929 [CDS], Ertz, D. 11828 [CDS], Ertz, D. 11917 [CDS], Bungartz, F. 7631 [CDS], Nugra, F. 549 [CDS], Nugra, F. 636 [CDS], Truong, C. 1252 [CDS], Clerc, P. 08-306 [CDS], Herrera-Campos, M.A. 10638 [CDS], Herrera-Campos, M.A. 10774 [CDS], Bungartz, F. 8475 [CDS], Bungartz, F. 8487 [CDS], Bungartz, F. 8527 [CDS], Bungartz, F. 8665 [CDS], Hillmann, G. GAL-153 [CDS], Bungartz, F. 9564 [CDS], Bungartz, F. 9771 [CDS], Bungartz, F. 10190 [CDS], Bungartz, F. 10246 [CDS], Bungartz, F. 10115 [CDS], Yánez-Ayabaca, A. 1985 [CDS], Yánez-Ayabaca, A. 1999 [CDS], Yánez-Ayabaca, A. 2087 [CDS], Spielmann, A.A. 10482 [CDS], Spielmann, A.A. 10754 [CDS], Bungartz, F. 10533 [CDS], Bungartz, F. 9511 D [CDS]

Collema glaucophthalmum Nyl.

parasitized by *Pronectria hymeniicola*, source: Nöske et al. (2007), Etayo (2017); K. Kalb 18191 [WIS], K. Kalb 19342 [WIS], K. Kalb & A. Kalb 1987-08-15 [UPS], Arvidsson... 1521 [GB], Arvidsson... 1938 [GB], Arvidsson... 1891 [GB], Arvidsson... 1624 [GB], Arvidsson... 1152 [GB], Andersson, Lennart 113 [GB], Arvidsson... 3287 [GB], Andersson, Lennart 74 [GB], Arvidsson... 6551 [GB], Arvidsson... 6478 [GB], Arvidsson... 2045 [GB], Arvidsson... 1270 [GB], Arvidsson... 1224 [GB], Arvidsson... 4773 [GB], Andersson, Lennart 986 [GB], Andersson, Lennart 351a [GB], Arvidsson... 2311 [GB], Arvidsson... 1804 [GB], Andersson, Lennart 812 [GB], Andersson, Lennart 212 [GB], Arvidsson... 3613 [GB], Arvidsson... 3570 [GB], Arvidsson... 66898 [GB], Arvidsson... 5519 [GB], Hultengren, Rolf Svante 2477 [GB], Arvidsson... 5435 [GB], Arvidsson... 5418 [GB], Arvidsson... 5626 [GB], Arvidsson... 5869 [GB], Andersson... 452 [GB], Arvidsson... 3078 [GB], Arvidsson... 658 [GB], Arvidsson... 619 [GB], Andersson, Lennart 297 [GB], Etayo, J. 17312 [hb. Etayo], J. Etayo 25547 [hb. Etayo], J. Etayo 25573 [hb. Etayo], Etayo, J. 25633 [hb. Etayo], Etayo, J. 25761 [hb. Etayo], Etayo, J. 25901 [hb. Etayo], J. Etayo 26664 [hb. Etayo]

Collema italicum B. de Lesd.

source: Nöske et al. (2007)

Collema leptaleum Tuck.

[*Collema gwytheri* Stirt., *Collema microptychium* Tuck., *Synechoblastus leptaleus* (Tuck.) Fink, *Synechoblastus microptychius* (Tuck.) Fink]
native, indigenous, source: Bungartz (2008); Bungartz, F. 5571 [CDS], Nugra, F. 200 [CDS], Nugra, F. 220 [CDS], Andersson, Lennart 233 [GB], Andersson, Lennart 196 [GB], Andersson, Lennart 1941 [GB], Andersson, Lennart 351b [GB]

Collema pulcellum Ach.

[*Collema pulchellum* Ach., *Leptogium pulcellum* (Ach.) Nyl., *Leptogium pulchellum* (Ach.) Nyl., *Parmelia pulcella* (Ach.) Spreng., *Parmelia pulchella* (Ach.) Spreng., *Parmelia pulchella var. pulchella* (Ach.) Spreng.]
native, indigenous; Bungartz, F. 4738 [CDS], Ertz, D. 11832 [CDS], Ertz, D. 11896 [CDS], Ertz, D. 11920 [CDS], Nugra, F. 198 B [CDS], Aptroot, A. 64844 [CDS]

Collema scabrum Degel.

source: Degelius (1994), Jørgensen & Arvidsson (2004); Arvidsson, L.... 6302 [GB]

Collema subconveniens Nyl.

[*Collema laeve f. isidiosum* (F. Wilson) F. Wilson, *Leptogium olivaceum* F. Wilson, *Leptogium olivaceum var. granulatum* F. Wilson, *Leptogium olivaceum var. granulosum* C.W. Dodge, *Leptogium olivaceum var. isidiosum* F. Wilson, *Leptogium olivaceum var. olivaceum* F. Wilson, *Leptogium tremelloides var. muscitegens* F. Wilson]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Benítez et al. (2012, 2015), Chuquimarca et al. (2019), Fernández-Prado et al. (2022); Benítez, A. 267 [HUTPL]

Collema texanum Tuck.

[*Collema laciniatum* Nyl., *Collema laciniatum var. crustosa* Räsänen, *Collema laciniatum var. laciniatum* Nyl., *Synechoblastus laciniatus* (Nyl.) Fink, *Synechoblastus texanus* (Tuck.) Müll.Arg.]
native, indigenous, source: Bungartz (2008); Bungartz, F. 4655 [CDS], Bungartz, F. 6941 [CDS], Aptroot, A. 63102 [CDS], Aptroot, A. 64477 B [CDS], Aptroot, A. 65411 [CDS], Aptroot, A. 64990 [CDS], Aptroot, A. 65587 [CDS], Aptroot, A. 65466 A [CDS], Aptroot, A. 65462 [CDS], Aptroot, A. 65646 [CDS], Bungartz, F. 5233 [CDS], Aptroot, A. 65621 [CDS], Aptroot, A. 64477 B [CDS], Arvidsson... 2235a [GB], Andersson, Lennart 1503 [GB]

Compsocladium

Compsocladium kalbii Frisch

Holotype M, Frisch 96/Eq196, source: Frisch (2007)

Coniambigua

Coniambigua phaeographidis Etayo & Diederich

source: van den Boom et al. (2022)

Coniocarpon

Coniocarpon cinnabarinum DC.

[*Arthonia cinnabarina* (DC.) Wallr., *Arthonia cinnabarina f. concolor* (Turner) Leight., *Arthonia cinnabarina f. dubia* (Turner & Borrer) Leight., *Arthonia cinnabarina f. kermesina* (Schaer.) Nyl., *Arthonia cinnabarina f. microstigma* (Turner & Borrer) Leight., *Arthonia cinnabarina var. anerythrea* Nyl., *Arthonia cinnabarina var. astroidea* (Leight.) Leight., *Arthonia cinnabarina var. coccinea* (Flörke) Zahlbr., *Arthonia cinnabarina var. kermesina* (Schaer.) Nyl., *Arthonia cinnabarina var. marginata* (Turner) Mudd, *Arthonia cinnabarina var. nudata* (Müll. Arg.) Zahlbr., *Arthonia cinnabarina var. pruinata* Delise, *Arthonia cinnabarina var. purpurea* (Eschw.) Zahlbr., *Arthonia cinnabarina var. tumidula* (Ach.) Wallr., *Arthonia cinnabarina var. tumidulla* (Ach.) Wallr., *Arthonia gregaria* (Weigel) Körb., *Arthonia gregaria f. concolor* (Turner) Willey, *Arthonia gregaria f. gregaria* Fée, *Arthonia gregaria var. adspersa* (Mont.) Müll. Arg., *Arthonia gregaria var. anerythrea* Nyl., *Arthonia gregaria var. astroidea* (Leight.) Mudd, *Arthonia gregaria var. cuspidans* A.L. Sm., *Arthonia gregaria var. dubia* (Turner & Borrer) Mudd, *Arthonia gregaria var. gregaria* Fée, *Arthonia gregaria var. kermesina* (Schaer.) Willey, *Arthonia gregaria var. marginata* (Turner) Mudd, *Arthonia gregaria var. nudata* Müll. Arg., *Arthonia gregaria var. obscura* (Schaer.) Körb., *Arthonia gregaria var. pruinata* Nyl., *Arthonia gregaria var. purpurea* (Eschw.) Müll.Arg., *Arthonia gregaria var. rufomaculata* Räsänen, *Arthonia gregaria var. substellata* Müll. Arg., *Arthonia tumidula* (Ach.) Ach., *Arthonia tumidula f. astroidea* (Leight.) J. Nowak, *Arthonia tumidula f. concolor* (Turner) J. Nowak, *Arthonia tumidula f. glabra* (A. Massal.) J. Nowak, *Arthonia tumidula f. kermesina* (Schaer.) J. Nowak, *Arthonia tumidula f. opegraphoides* (A. Massal.) J. Nowak, *Arthonia tumidula f. opegraphoies* (A. Massal.) J. Nowak, *Arthonia tumidula f. tumidula* (Ach.) Ach., *Arthonia tumidula var. coccinea* (Flörke) J. Nowak, *Arthonia tumidula var. rubra* (Pers.) J. Nowak, *Arthonia tumidula var. tumidula* (Ach.) Ach., *Conioloma coccineum* Flörke, *Sphaeria gregaria* Weigel, *Spiloma tumidula* Ach., *Trachylia gregaria* (Weigel) Vain.]
source: Weber (1966, 1986), Elix & McCarthy (1998), Nöske & Sipman (2004), Nöske (2005), Nöske (2005), Nöske et al. (2007), Benítez et al. (2015, 2019), Benítez (2016), van den Boom et al. (2022); Weber, W. 40257 [MIN], barcode-00259983 1872-00-00 [FH], A. Higgins & M. Higgins 1971-03-23 [FH], W. A. Weber 501 [COLO], Hassler Expedition s.n. [US], W. A. Weber L-41119 [US], W. A. Weber L-40257 [US], Aptroot, A. 63003 [CDS], Aptroot, A. 63112 [CDS], Bungartz, F. 6224 [CDS], Bungartz, F. 6211 [CDS], Bungartz, F. 6202 [CDS], Aptroot, A. 63752 [CDS], Bungartz, F. 3537 [CDS], Bungartz, F. 3538 [CDS], Bungartz, F. 5545 [CDS], Bungartz, F. 4542 [CDS], Bungartz, F. 5705 [CDS], Bungartz, F. 3340 [CDS], Bungartz, F. 3342 [CDS], Bungartz, F. 3365 [CDS], Bungartz, F. 3366 [CDS], Aptroot, A. 65067 [CDS], Bungartz, F. 5581 [CDS], Bungartz, F. 6394 [CDS], Bungartz, F. 6413 [CDS], Bungartz, F. 4481 [CDS], Bungartz, F. 6103 [CDS], Bungartz, F. 6117 [CDS], Bungartz, F. 4243 [CDS],

Bungartz, F. 4253 [CDS], Bungartz, F. 3586 [CDS], Bungartz, F. 4047 [CDS], Bungartz, F. 6251 [CDS], Bungartz, F. 5023 [CDS], Bungartz, F. 4271 [CDS], Aptroot, A. 65385 [CDS], Bungartz, F. 4413 [CDS], Bungartz, F. 4446 [CDS], Bungartz, F. 5825 [CDS], Bungartz, F. 6374 [CDS], Bungartz, F. 3996 [CDS], Bungartz, F. 4324 [CDS], Bungartz, F. 5164 [CDS], Bungartz, F. 5352 [CDS], Bungartz, F. 5884 [CDS], Bungartz, F. 5265 [CDS], Bungartz, F. 5298 [CDS], Bungartz, F. 5080 [CDS], Bungartz, F. 4223 [CDS], Bungartz, F. 4232 [CDS], Bungartz, F. 4687 [CDS], Bungartz, F. 3676 [CDS], Bungartz, F. 5986 [CDS], Bungartz, F. 4420 [CDS], Bungartz, F. 6030 [CDS], Bungartz, F. 5772 [CDS], Nugra, F. 89 [CDS], Nugra, F. 100 [CDS], Bungartz, F. 6915 [CDS], Bungartz, F. 6976 [CDS], Bungartz, F. 6994 [CDS], Nugra, F. 444 [CDS], Ertz, D. 11521 [CDS], Ertz, D. 11592 [CDS], Ertz, D. 11653 [CDS], Nugra, F. 466 [CDS], Ertz, D. 11944 [CDS], Ertz, D. 12028 [CDS], Bungartz, F. 7147 [CDS], Bungartz, F. 7256 [CDS], Bungartz, F. 7402 [CDS], Bungartz, F. 7663 [CDS], Bungartz, F. 7713 [CDS], Bungartz, F. 7876 [CDS], Bungartz, F. 7929 [CDS], Bungartz, F. 7930 [CDS], Bungartz, F. 7972 [CDS], Bungartz, F. 7982 [CDS], Nugra, F. 571 [CDS], Nugra, F. 574 [CDS], Nugra, F. 598 [CDS], Truong, C. 1234 [CDS], Clerc, P. 08-51 [CDS], Herrera-Campos, M.A. 10625 [CDS], Herrera-Campos, M.A. 10630 [CDS], Herrera-Campos, M.A. 10671 [CDS], Bungartz, F. 8131 [CDS], Bungartz, F. 8236 [CDS], Bungartz, F. 8237 [CDS], Bungartz, F. 8238 [CDS], Bungartz, F. 8311 [CDS], Bungartz, F. 8408 [CDS], López, A. 670 [CDS], Bungartz, F. 8742 [CDS], Bungartz, F. 5347 [CDS], Dal-Forno, M. 1160 [CDS], Hillmann, G. GAL-14 [CDS], Hillmann, G. GAL-45 [CDS], Hillmann, G. GAL-70 [CDS], Hillmann, G. GAL-72 [CDS], Yánez-Ayabaca, A. 1696 [CDS], Bungartz, F. 8824 [CDS], Bungartz, F. 8902 [CDS], Bungartz, F. 8944 [CDS], Bungartz, F. 9033 [CDS], Bungartz, F. 9072 [CDS], Bungartz, F. 9140 [CDS], Bungartz, F. 9167 [CDS], Bungartz, F. 9590 [CDS], Bungartz, F. 9594 [CDS], Bungartz, F. 9887 [CDS], Bungartz, F. 10110 [CDS], Bungartz, F. 10183 [CDS], Bungartz, F. 9493 [CDS], Bungartz, F. 9819 C [CDS], Bungartz, F. 9418 B [CDS], Jonitz, H. 64 [CDS], Bungartz, F. 10708 [CDS], Bungartz, F. 10714 [CDS], Bungartz, F. 10801 [CDS], Bungartz, F. 10751 [CDS], Benítez, A. 10 [HUTPL], Benítez, A. 93 [HUTPL]

Coniocarpon coralloideum Kalb & J.E. Hern.

source: Kalb et al. (2012)

Coniocarpon fallax (Ach.) Grube

[*Arthonia cinnabarina f. opegraphina* auct. brit., *Arthonia elegans* (Ach.) Almq., *Coniocarpon elegans* (Ach.) Duby, *Spiloma elegans* Ach., *Spiloma fallax* Ach.]
source: Benítez et al. (2019); Benítez, A. 2 [HUTPL]

Coniothyrium

Coniothyrium olivaceum Bonord.

[*Microsphaeropsis olivacea* (Bonord.) Höhn.]
* = lichenicolous fungi (parasites on living lichens); on *Bunodophoron* sp., *Parmotrema* sp., *Hypotrachyna* sp.,*Hypotrachyna* gr *sinuosa,Everniopsis trulla*, & *Yoshimuriella subdissecta*, source: Etayo (2017); J. Etayo 19913 [hb. Etayo], Etayo, J. 20044 [hb. Etayo], Etayo, J. 25410 [hb. Etayo], Etayo, J. 25424 [hb. Etayo], Etayo, J. 25456 [hb. Etayo], Etayo, J. 25487 [hb. Etayo], Etayo, J. 25488 [hb. Etayo], Etayo, J. 25503 [hb. Etayo], J. Etayo 25598 [hb. Etayo], Etayo, J. 25653 [hb. Etayo], Etayo, J. 25660 [hb. Etayo], Etayo, J. 25867 [hb. Etayo], Etayo, J. 25874 [hb. Etayo], Etayo, J. 25883 [hb. Etayo], Etayo, J. 20017 [hb. Etayo]

Constrictolumina

Constrictolumina cinchonae (Ach.) Lücking, M. P. Nelsen & Aptroot

[*Arthopyrenia cinchonae* (Ach.) Müll. Arg., *Arthopyrenia cinchonae var. cinchonae* (Ach.) Müll. Arg., *Arthopyrenia nieteriana* Müll.Arg., *Arthopyrenia planipes* Müll.Arg., *Didymella cinchonae* (Ach.) Vain., *Leiophloea cinchonae* (Ach.) Riedl, *Porina concamerata* (Stirt.) Zahlbr., *Spermatodium cinchonae* (Ach.) Trevis., *Verrucaria alboatra var. detergens* Nyl., *Verrucaria cinchonae* Ach., *Verrucaria cinchonae var. cinchonae* Ach., *Verrucaria cinchonae var. fumida* Stizenb., *Verrucaria concamerata* Stirt., *Verrucaria prostans* Mont.]
so far only reported from the Galapagos, possibly also occur in mainland Ecuador, native, indigenous, specimen in COLO: Santa Cruz, on Scalesia, Bella Vista, Weber L-40225, det. Aptroot, 1991, source: Elix & McCarthy (1998), Weber (1993); Aptroot, A. 63040 [CDS], Aptroot, A. 64765 [CDS], Aptroot, A. 63756 [CDS], Bungartz, F. 3533 [CDS], Bungartz, F. 5286 [CDS], Bungartz, F. 4688 A [CDS], Nugra, F. 441 [CDS], Ertz, D. 11587 [CDS], Ertz, D. 11814 [CDS], Ertz, D. 11842 [CDS], Ertz, D. 11844 [CDS], Ertz, D. 11911 [CDS], Ertz, D. 12019 [CDS], Nugra, F. 531 [CDS], Nugra, F. 533 [CDS], Bungartz, F. 7459 B [CDS], Bungartz, F. 7460 [CDS], Bungartz, F. 7462 [CDS], Bungartz, F. 7553 [CDS], Bungartz, F. 7693 [CDS], Bungartz, F. 10022 [CDS], Aptroot, A. 65423 [CDS], Aptroot, A. 65564 [CDS], Aptroot, A. 65601 B [CDS], Bungartz, F. 7736 [CDS], Ertz, D. 11909 [CDS], Nugra, F. 172 [CDS], Bungartz, F. 4233 B [CDS]

Constrictolumina lyrata (R. C. Harris) Lücking, M. P. Nelsen & Aptroot

[*Arthopyrenia lyrata* R.C. Harris]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Harris (1980); Spielmann, A.A. 10483 [CDS], Spielmann, A.A. 10510 [CDS], Spielmann, A.A. 10568 [CDS], Bungartz, F. 10359 [CDS], Nugra, F. 390 [CDS], Bungartz, F. 9440 [CDS]

Cora

Cora accipiter Moncada, Madriñán & Lücking

source: González et al. (2019)

Cora applanata Moncada, Soto-Medina & Lücking

source: Lücking et al. (2016)

Cora aspera Wilk, Lücking & E. Morales

source: Lücking et al. (2013)

Cora auriculeslia Moncada, Yánez-Ayabaca & Lücking

Holotype QCNE, Lücking 32302 | http://www.ncbi.nlm.nih.gov/nuccore/KJ780378, source: Lücking et al. (2016); Lücking, R. 32302 [INABIOEC-MECN-QCNE]

Cora canari Nugra, Dal-Forno & Lücking

Holotype HA, Nugra 867 | http://www.ncbi.nlm.nih.gov/nuccore/KJ780394, source: Lücking et al. (2016)

Cora caucensis Moncada, M.C. Gut. & Lücking

source: González et al. (2019)

Cora ciferrii (Tomas.) Lücking, A. Grall & Thüs

[*Wainiocora ciferrii* Tomas.]
source: Lücking (2014), González (2017b)

Cora cyphellifera Dal-Forno, Bungartz & Lücking

Holotype GMUF, Dal-Forno 1808, source: Dal-Forno (2013), Lücking et al. (2013)

Cora dalehana Moncada, Madriñán & Lücking

source: González et al. (2019)

Cora davicrinita Moncada, Madriñán & Lücking

source: Lücking et al. (2016)

Cora davidia Moncada, L.Y. Vargas & Lücking

Holotype B, Jonitz et al. 1227 | http://www.ncbi.nlm.nih.gov/nuccore/KX772658, source: Lücking et al. (2016)

Cora dewisanti Moncada, Suár.-Corr. & Lücking

source: González et al. (2019), Lücking et al. (2016)

Cora elephas Lücking, Moncada & L.Y. Vargas

source: Lücking et al. (2016)

Cora galapagoensis Dal-Forno, Bungartz & Lücking

endemic to Galapagos, Holotype: Dal-Forno 1223 [CDS 44748], source: Dal-Forno et al. (2017); Aptroot, A. 65557 [CDS], Bungartz, F. 4831

[CDS], Dal-Forno, M. 1180 A [CDS], Dal-Forno, M. 1187 A [CDS], Dal-Forno, M. 1196 [CDS], Dal-Forno, M. 1199 A [CDS], Dal-Forno, M. 1218 [CDS], Dal-Forno, M. 1223 [CDS], Yánez-Ayabaca, A. 1509 [CDS], Yánez-Ayabaca, A. 1508 [CDS], Yánez-Ayabaca, A. 1513 [CDS], Yánez-Ayabaca, A. 1538 [CDS], Yánez-Ayabaca, A. 1540 [CDS], Nugra, F. 437 [CDS], Bungartz, F. 3322 [CDS], Bungartz, F. 10325 [CDS], Nugra, F. 1098 [CDS], Nugra, F. 1034 [CDS], Herrera-Campos, M.A. 10546 [CDS], Ertz, D. 11720 [CDS], Dal-Forno, M. 1194 [CDS], Dal-Forno, M. 1192 [CDS], Dal-Forno, M. 1206 [CDS]

Cora glabrata (Spreng.) Fr.

[*Cora bovei* Speg., *Cora pavonia f. umbilicalis* Fr., *Cora pavonia var. umbilicalis* Fr., *Corella brasiliensis* Vain., 1890, *Dictyonema glabratum* (Sprengel) D. Hawksw., *Dictyonema pavonium f. brasiliense* (Vain.) Parmasto, *Dictyonema zahlbruckneri* (Schiffn.) V. Marcano, *Thelephora glabrata* Spreng.]

parasitized by *Polycoccum dictyonematis* & *Thelenella muscorum* , first reported by Müller (1879) and subsequently by Zahlbruckner (1904), Nöske & Sipman (2004), Nöske et al. (2007), and Fernández-Prado et al. (2022); confirmed by Lücking et al. (2013), source: Zahlbruckner (1904; as *Cora pavonia*), Nöske & Sipman (2004; as *Dictyonema zahlbruckneri*), Nöske et al. (2007 as *D. zahlbruckneri*), Lücking et al. (2013), Fernández-Prado et al. (2022), Etayo (2017, *D. glabratum*); T.H. Nash III 23840 [ASU], George W. Prescott [ANL-41] [WIS], K. Kalb 18522 [WIS], K. Kalb 18521 [WIS], Bungartz, F. 10848 [CDS], Bungartz, F. 10865 [CDS], Carlos Cerón 17287 [INABIOEC-MECN-QCNE], Carlos Cerón 17299 [INABIOEC-MECN-QCNE], Carlos Cerón 18065 [INABIOEC-MECN-QCNE], Carlos Cerón 18165 [INABIOEC-MECN-QCNE], Carlos Cerón 32108 [INABIOEC-MECN-QCNE], Carlos Cerón 36059 [INABIOEC-MECN-QCNE], Carlos Cerón 38530 [INABIOEC-MECN-QCNE], Carla Cole 123 [INABIOEC-MECN-QCNE], Carla Cole 219 [INABIOEC-MECN-QCNE], Marcelo Díaz-Andrade 41 [INABIOEC-MECN-QCNE], Bolívar Freire 46 [INABIOEC-MECN-QCNE], Bolívar Freire 226 [INABIOEC-MECN-QCNE], Bolívar Freire 158 [INABIOEC-MECN-QCNE], Anna Koffman 535 [INABIOEC-MECN-QCNE], Anna Koffman 566 [INABIOEC-MECN-QCNE], Diego Naranjo 15 [INABIOEC-MECN-QCNE], Walter Palacios 8669 [INABIOEC-MECN-QCNE], Telma Paredes 571 [INABIOEC-MECN-QCNE], Telma Paredes 653 [INABIOEC-MECN-QCNE], Telma Paredes 658 [INABIOEC-MECN-QCNE], M. Sangoquiza 17 [INABIOEC-MECN-QCNE], Miguel Sangoquiza 24 [INABIOEC-MECN-QCNE], M. Sangoquiza 26 [INABIOEC-MECN-QCNE], David Suárez Duque 355 [INABIOEC-MECN-QCNE], David Suárez Duque 385 [INABIOEC-MECN-QCNE], Maria F. Yanza 4 [INABIOEC-MECN-QCNE], Etayo, J. 19961 [hb. Etayo], Etayo, J. 19971 [hb. Etayo], Etayo, J. 20158 [hb. Etayo], Etayo, J. 20179 [hb. Etayo], Etayo, J. 25455 [hb. Etayo], Etayo, J. 25497 [hb. Etayo], J. Etayo 25564 [hb. Etayo], Etayo, J. 25614 [hb. Etayo], Etayo, J. 25636 [hb. Etayo], Etayo, J. 25671 [hb. Etayo], Etayo, J. 25854 [hb. Etayo], Etayo, J. 25878 [hb. Etayo], Etayo, J. 25909 [hb. Etayo], Etayo, J. 25995 [hb. Etayo], Etayo, J. 26329 [hb. Etayo], Etayo, J. 27012 [hb. Etayo]

Cora guajalitensis Lücking, Robayo & Dal-Forno

Holotype QCNE, Lücking 26201 | http://www.ncbi.nlm.nih.gov/nuccore/KF443239, source: Lücking et al. (2016); Lücking, R. 26201 [INABIOEC-MECN-QCNE]

Cora hafecesweorthensis Moncada, Lücking & R.-E. Peláez

source: González et al. (2019)

Cora inversa Lücking & Moncada

source: González et al. (2019)

Cora minor (Lücking, E. Navarro & Sipman) Lücking

[*Dictyonema minus* Lücking, E. Navarro & Sipman]

Etayo, J. 26992 [hb. Etayo]

Cora minutula Lücking, Moncada & Yánez-Ayabaca

Holotype QCNE, Lücking 32305 | http://www.ncbi.nlm.nih.gov/nuccore/KJ780381, source: Lücking et al. (2016); Lücking, R. 32305 [INABIOEC-MECN-QCNE]

Cora pavonia (Weber & D. Mohr) Mont.

[*Byssomerulius pavonius* (Weber & D. Mohr) Zmitr. & Malysheva, *Cora montana* (Parmasto ex Follmann & Redón) Sant., *Cora pavonia f. pavonia* (Sw.) Fr., *Cora pavonia f. villosa* Tomas., *Cora pavonia f. viridis* Tomas., *Cora pavonia var. pavonia* (Sw.) Fr., *Dictyonema montanum* Parmasto ex Follmann & Redón, *Dictyonema pavonium* (Weber & D. Mohr) Parmasto, *Dictyonema pavonium f. pavonium* (Sw.) Parmasto, *Dictyonema pavonium f. sorediatum* R. Sant., *Dictyonema pavonium f. villosum* (Tomas.) Parmasto nom. inval., *Dictyonema pavonium f. viride* (Tomas.) Parmasto nom. inval., *Thelephora pavonia* Weber & D. Mohr, *Ulva montana* Sw. nom. illegit., *Ulva pavonia* Sw. ex Fr. nom. inval.]

source: Romeguère (1879), Diels (1937), Dal-Forno et al. (2013), Lücking et al. (2013)

Cora pichinchensis Paredes, Jonitz & Dal-Forno

Holotype QCNE, Paredes 62 | http://www.ncbi.nlm.nih.gov/nuccore/KJ780391, source: Lücking et al. (2016), González et al. (2019); Telma Paredes 62 [INABIOEC-MECN-QCNE], Paredes, T. 62 [INABIOEC-MECN-QCNE]

Cora reticulifera Vain.

source: Dal-Forno et al. (2013), González et al. (2017b)

Cora rubrosanguinea Nugra, Moncada & Lücking

Holotype HA, Nugra 818 | http://www.ncbi.nlm.nih.gov/nuccore/KJ780400, source: Lücking et al. (2016)

Cora santacruzensis Dal-Forno, Bungartz & Yánez-Ayabaca

endemic to Galapagos, Holotype: Yánez-Ayabaca 1547 [CDS 45041] | molecular data, source: Lücking et al. (2016); Bungartz, F. 5594 [CDS], Yánez-Ayabaca, A. 1547 [CDS]

Cora squamiformis Wilk, Lücking & Yánez-Ayabaca

source: Lücking et al. (2013), González et al. (2019)

Cora suturifera Nugra, Besal & Lücking

Holotype HA, Nugra 862 | http://www.ncbi.nlm.nih.gov/nuccore/KJ780399, source: Lücking et al. (2016)

Cora viliewoa Lücking, Chaves & Soto-Medina

source: Lücking et al. (2016)

Corticifraga

Corticifraga fuckelii (Rehm) D. Hawksw. & R. Sant.

[*Cryptomyces peltigerae* Fuckel, *Peziza fuckelii* (Rehm) Sacc., *Phragmonaevia fuckelii* Rehm]

* = lichenicolous fungi (parasites on living lichens); on *Peltigera* sp., *Sticta fuliginosa*, and *Sticta* sp., uncertain report (*Corticifraga* cf. *fuckelii*); according to Etayo (2017) the species occurs in Colombia and the taxon in Ecuador might be the same (but no spores found), source: Etayo (2017); Etayo, J. 17319 [hb. Etayo], Etayo, J. 20068 [hb. Etayo], Etayo, J. 23469 [hb. Etayo], Etayo, J. 25882 [hb. Etayo], Etayo, J. 20054 [hb. Etayo], Etayo, J. 20085 [hb. Etayo], Etayo, J. 20001 [hb. Etayo]

Corticifraga peltigerae (Fuckel) D. Hawksw. & R. Sant.

[*Belonidium peltigerae* (Fuckel) I.M. Lamb, *Celidium peltigerae* (Nyl.) P. Karst., *Diplonaevia peltigerae* (Nyl.) Sacc., *Leciographa peltigerae* (Nyl.) Mussat nom. inval., *Melaspilea peltigerae* Nyl., *Peziza peltigerae* Fuckel, *Phragmonaevia peltigerae* (Nyl.) Rehm]

* = lichenicolous fungi (parasites on living lichens); on *Peltigera* cf. *praetextata* & *Peltigera rufescens*, source: Etayo (2017); J. Etayo 25584 [hb. Etayo]

Corticifraga pseudocyphellariae Etayo

Etayo, J. 20129 [hb. Etayo]

Cratiria

Cratiria americana (Fée) Kalb & Marbach

[*Buellia americana* (Fée) Zahlbr., *Buellia americana var. americana* (Fée) Zahlbr., *Buellia modesta* (Krempelh.) Müll.Arg., *Buellia modesta var. modesta* (Kremp.) Müll. Arg., *Buellia modestula* Zahlbr., *Lecidea modesta* Kremp. nom. illegit., *Lecidea parasema var. americana* Fée]

preliminary identification, F. Bungartz: material needs verification, source: Elix & McCarthy (1998), Weber (1986); Aptroot, A. 63020 [CDS],

Bungartz, F. 9976 [CDS]

Cratiria amphorea (Eckfeldt) Marbach

[*Buellia amphorea* Eckfeldt]
source: Marbach (2000); K. Kalb 19422 [WIS], K. Kalb 19418 [WIS]

Cratiria lauri-cassiae (Fée) Marbach

[*Buellia lauri-cassiae* (Fée) Müll.Arg., *Buellia lauri-cassiae f. lauri-cassiae* (Fée) Müll.Arg., *Diplotomma lauri-cassiae* (Fée) Szatala, *Diplotomma lauri-cassiae var. lauri-cassiae* (Fée) Szatala, *Lecidea lauri-cassiae* Fée, *Mannia lauri-cassiae* (Fée) Trevis.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Elix & McCarthy (1998), Weber (1986)

Cratiria paramoensis Marbach

Holotype WIS, Kalb & Kalb 19473, source: Marbach (2000); K. Kalb 19473 [WIS]

Cratiria rutilans Marbach

source: Marbach (2000); K. Kalb 18843 [WIS]

Cresponea

Cresponea flava (Vain.) Egea & Torrente

[*Lecanactis flava* Vain.]
source: Aptroot & Sparrius (2008), Benítez (2016), Benítez et al. (2019), van den Boom et al. (2022); Bungartz, F. 5089 [CDS], Aptroot, A. 63030 [CDS], Aptroot, A. 65383 [CDS], Benítez, A. 13 [HUTPL]

Cresponea leprieurii (Mont.) Egea & Torrente

[*Bombyliospora dolichospora var. obscurata* Räsänen, *Lecanactis leprieurii* (Mont.) Tuck., *Lecanactis leprieurii f. brachyspora* Malme, *Lecanactis leprieurii f. leprieurii* (Mont.) Tuck., *Lecidea leprieurii* Mont.]
source: Nöske (2005), Nöske et al. (2007), Benítez et al. (2015), Benítez (2016), Déleg et al. (2021); Benítez, A. 157 [HUTPL]

Cresponea melanocheloides (Vain.) Egea & Torrente

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 158 [HUTPL], Benítez, A. 159 [HUTPL]

Cresponea proximata (Nyl.) Egea & Torrente

[*Lecanactis proximata* (Nyl.) Zahlbr., *Lecidea proximata* Nyl.]
source: van den Boom et al. (2022)

Crocodia

Crocodia arvidssonii (D.J. Galloway) D.J. Galloway & Elix

[*Pseudocyphellaria arvidssonii* D.J. Galloway]
parasitized by *Lichenopeltella thalamica* & *Tremella lobariacearum*, Holotype GB, Arvidsson, L.; Lindqvist, M.; Lindström, M. 6700, source: Etayo (2017), Nöske et al. (2007), Nöske (2005), Nöske & Sipman (2004), Galloway & Arvidsson (1990); Arvidsson, L.... 6700 [GB], Etayo, J. 19928 [hb. Etayo], Etayo, J. 26332 [hb. Etayo], Etayo, J. 26411 [hb. Etayo]

Crocodia aurata (Ach.) Link

[*Lichen auratus* (Ach.) Sm., *Lobaria aurata* (Ach.) Kuntze, *Nephroma aurata* (Ach.) Pers., *Parmelia aurata* (Ach.) Eschw., *Parmosticta aurata* (Ach.) Nyl., *Pseudocyphellaria aurata* (Ach.) Vain., *Sticta aurata* Mont., *Sticta aurata var. abortiva* Schaer., *Sticta aurata var. angustata* Mont., *Sticta aurata var. aurata* Ach., *Sticta aurata var. isidiascens* Zahlbr., *Sticta aurata var. microphylla* Müll.Arg., *Sticta aurata var. pallens* Nyl., *Sticta aurata var. pallidoglaucescens* C. Knight]
parasitized by *Lichenopeltella thalamica, Pseudospiropes costaricensis*, and *Arthonia pelvetii*, source: Hooker (1847), Leighton (1866), Müller (1879), Romeguère (1879), Farlow (1902), Dodge (1936), Andersson (1855), Weber (1966, 1986), Galloway & Arvidsson (1990), Elix & McCarthy (1998), Davey (1999), Nöske & Sipman (2004), Nöske et al. (2005, 2007), Benítez et al. (2012), Etayo (2017), Benítez (2016), Chuquimarca et al. (2019), van den Boom et al. (2022); L. B. Holm-Nielsen... 3151 [US], Bungartz, F. 3926 [CDS], Bungartz, F. 3448 [CDS], Bungartz, F. 3479 [CDS], Bungartz, F. 4119 [CDS], Bungartz, F. 4735 [CDS], Weber, W.A. s.n. [CDS], Ertz, D. 11556 [CDS], Ertz, D. 11559 [CDS], Ertz, D. 11717 [CDS], Luong, T.T. s.n. [CDS], Herrera-Campos, M.A. 10556 [CDS], Herrera-Campos, M.A. 10909 [CDS], Bungartz, F. 8492 [CDS], Bungartz, F. 8358 [CDS], Spielmann, A.A. 10424 [CDS], Nugra, F. 192 [CDS], Luong, T.T. s.n. [CDS], Ertz, D. 11791 A [CDS], Weber, D. PLA II [CDS], Ertz, D. 11830 A [CDS], Bungartz, F. 4739 [CDS], Nugra, F. 37 [CDS], Bungartz, F. 7508 [CDS], Bungartz, F. 5831 [CDS], Aptroot, A. 63913 [CDS], Simbaña, W. 573 [CDS], Bungartz, F. 6808 [CDS], Rivas Plata, E. 4063 [CDS], Bungartz, F. 7621 [CDS], Rivas Plata, E. 4060 [CDS], Jaramillo, P. 2980 [CDS], Aptroot, A. 63222 [CDS], Tehler, A. 8677 [CDS], Aptroot, A. 65224 [CDS], Bungartz, F. 5556 [CDS], Bungartz, F. 7115 [CDS], Bungartz, F. 6829 [CDS], Nugra, F. 871 [CDS], Nugra, F. 27 [CDS], Bungartz, F. 9314 [CDS], Bungartz, F. 7479 [CDS], Ertz, D. 11812 [CDS], Nugra, F. 39 [CDS], Yánez-Ayabaca, A. 1781 [CDS], Jaramillo, P. 2831 [CDS], Simbaña, W. 548 [CDS], Bungartz, F. 6661 [CDS], Bungartz, F. 5729 [CDS], Bungartz, F. 7554 [CDS], Aptroot, A. 65538 [CDS], Bungartz, F. 7667 [CDS], Pozo, P. 1995 [CDS], Truong, C. 1125 [CDS], Truong, C. 1495 [CDS], Yánez-Ayabaca, A. 2055 [CDS], Nugra, F. 141 A [CDS], Bungartz, F. 10283 [CDS], Jonitz, H. 31 [CDS], Bungartz, F. 9295 [CDS], Moncada, B. 8400 [CDS], Moncada, B. 8403 [CDS], Moncada, B. 8406 [CDS], Moncada, B. 8440 [CDS], Moncada, B. 8444 [CDS], Moncada, B. 8446 [CDS], Moncada, B. 8447 [CDS], Moncada, B. 8468 [CDS], Herrera-Campos, M.A. 10826 [CDS], Herrera-Campos, M.A. GAL-423 [CDS], Bungartz, F. 10869 [CDS], Benítez, A. 377 [HUTPL], Anna Koffman 544 [INABIOEC-MECN-QCNE], Anna Koffman 628 [INABIOEC-MECN-QCNE], Anna Koffman 420 [INABIOEC-MECN-QCNE], Anna Koffman 464 [INABIOEC-MECN-QCNE], J. Etayo 17250 [hb. Etayo], J. Etayo 25358 [hb. Etayo], Etayo, J. 25446 [hb. Etayo], Etayo, J. 25489 [hb. Etayo], Etayo, J. 25496 [hb. Etayo], Etayo, J. 25540 [hb. Etayo], J. Etayo 25589 [hb. Etayo], Etayo, J. 25616 [hb. Etayo], Etayo, J. 25624 [hb. Etayo], Etayo, J. 25631 [hb. Etayo], Etayo, J. 25682 [hb. Etayo], J. Etayo 26661 [hb. Etayo], J. Etayo 26662 [hb. Etayo], J. Etayo 26675 [hb. Etayo], Etayo, J. 26662 [QCAM]

Crypthonia

Crypthonia albida (Fée) Frisch & G. Thor

[*Chiodecton sterile* Müll.Arg., *Herpothallon albidum* (Fée) Aptroot, Lücking & G. Thor, *Hypochnus albidus* Fée]
source: Déleg et al. (2021), Fernández-Prado et al. (2022); Klara Scharnagl 1820 [MSC], Klara Scharnagl 1871 [MSC], Klara Scharnagl 1890 [MSC], Klara Scharnagl 2000 [MSC], Klara Scharnagl 2021 [MSC], Klara Scharnagl 2165 [MSC], Klara Scharnagl 1925b [MSC]

Crypthonia mycelioides (Vain.) Frisch & G. Thor

[*Chiodecton mycelioides* Vain., *Herpothallon mycelioides* (Vain.) Aptroot, Lücking & G. Thor]
Klara Scharnagl 1892 [MSC]

Cryptodiscus

Cryptodiscus gloeocapsus (Nitschke ex Arnold) Baloch, Gilenstam & Wedin

[*Bacidia bryophaga* (Körb.) Branth & Rostr., *Bryophagus gloeocapsa* Nitschke ex Arnold, *Cryptodiscus gloeocapsa* (Nitschke ex Arnold) Baloch, Gilenstam & Wedin, *Gloeolecta bryophaga* (Körb. ex Arnold) Vězda, *Gyalecta bryophaga* (Körb.) Hellb., *Gyalecta gloeocapsa* (Nitschke ex Arnold) Zahlbr., *Lecidea gloeocapsa* (Nitschke ex Arnold) Zwackh, *Secoliga bryophaga* Körb., *Secoliga gloeocapsa* (Nitschke ex Arnold) Erichsen]
Etayo, J. & Palice, Z. 3823 [QCAM]

Cryptolechia

Cryptolechia geoicoides (Vain.) Kalb

[*Gyalecta geoicoides* Vain., *Pachyphiale geoicoides* (Vain.) Vězda]
source: Nöske et al. (2007); K. Kalb 18458 [WIS], Z. Palice 3758 dupl. [BG]

Cryptothecia

Cryptothecia darwiniana Bungartz & Elix

endemic to Galapagos, Holotype: Simbaña 556[CDS 32392]; originally described from Galapagos, assumed to be endemic; Ertz et al. (2015) report the species from Bolivia, source: Bungartz et al. (2013b), Ertz & et al. (2015); Bungartz, F. 6892 [CDS], Yánez-Ayabaca, A. 1677 [CDS], Bungartz, F. 9617 [CDS], Bungartz, F. 9766 [CDS], Bungartz, F. 10200 B [CDS], Aptroot, A. 65296 [CDS], Bungartz, F. 9628 [CDS], Nugra, F. 528 [CDS], Nugra, F. 121 A [CDS], Nugra, F. 121 B [CDS], Simbaña, W. 556 [CDS], Nugra, F. 877 [CDS], Aptroot, A. 64116 [CDS], Bungartz, F. 3639 [CDS], Bungartz, F. 3569 [CDS], Aptroot, A. 63751 [CDS], Aptroot, A. 65184 [CDS], Nugra, F. 114 [CDS], Bungartz, F. 5934 [CDS], Bungartz, F. 9125 [CDS], Bungartz, F. 5973 [CDS], Bungartz, F. 8473 [CDS], Bungartz, F. 5177 [CDS], Bungartz, F. 9530 [CDS], Bungartz, F. 5033 [CDS], Clerc, P. 08-27 [CDS], Spielmann, A.A. 8159 [CDS], Bungartz, F. 5088 [CDS], Nugra, F. 883 [CDS], Bungartz, F. 9086 [CDS], Bungartz, F. 9941 [CDS], Aptroot, A. 64981 [CDS], Bungartz, F. 6177 [CDS], Bungartz, F. 8399 [CDS], Spielmann, A.A. 8160 [CDS], Aptroot, A. 64914 [CDS], Aptroot, A. 63979 [CDS], Aptroot, A. 63297 [CDS]

Cryptothecia effusa (Müll.Arg.) R. Sant. v

[*Arthonia effusa* (Müll. Arg.) Willey, *Arthothelium effusum* (Müll.Arg.) Müll.Arg., *Phlyctis effusa* Müll.Arg.]
source: Lücking (1999, 2008),Benítez et al. (2015), Benítez (2016); W.A. Weber, J. Lanier 503 [UBC], Benítez, A. 160 [HUTPL]

Cryptothecia exilis G. Thor v

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 161 [HUTPL]

Cryptothecia galapagoana Bungartz & Elix

endemic to Galapagos, Holotype: Aptroot 64075 [CDS 30636], source: Bungartz et al. (2013b); Herrera-Campos, M.A. GAL-487 [CDS], Aptroot, A. 64600 [CDS], Aptroot, A. 64075 [CDS], Aptroot, A. 64081 [CDS]

Cryptothecia megalocarpa (Müll.Arg.) R. Sant. v

source: van den Boom et al. (2022)

Cryptothecia punctosorediata Sparrius v

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 162 [HUTPL]

Cryptothecia striata Thor v

source: Bungartz et al. (2013b), Benítez et al. (2015), Benítez (2016); Aptroot, A. 64322 B [CDS], Nugra, F. 493 [CDS], Aptroot, A. 63867 [CDS], Bungartz, F. 4254 [CDS], Bungartz, F. 4239 [CDS], Ertz, D. 11547 [CDS], Ertz, D. 11553 [CDS], Tehler, A. 8682 [CDS], Bungartz, F. 5844 [CDS], Nugra, F. 195 [CDS], Aptroot, A. 63104 [CDS], Nugra, F. 134 [CDS], Aptroot, A. 63881 [CDS], Bungartz, F. 6771 [CDS], Clerc, P. 08-23 [CDS], Bungartz, F. 4314 [CDS], Bungartz, F. 3650 [CDS], Bungartz, F. 8559 [CDS], Bungartz, F. 5541 [CDS], Aptroot, A. 64329 [CDS], Bungartz, F. 3491 [CDS], Ertz, D. 11601 [CDS], Nugra, F. 304 [CDS], Nugra, F. 589 [CDS], Aptroot, A. 64866 [CDS], Bungartz, F. 3330 [CDS], Hillmann, G. GAL-13 [CDS], Hillmann, G. GAL-46 [CDS], Hillmann, G. GAL-33 [CDS], Hillmann, G. GAL-38 [CDS], Hillmann, G. GAL-40 [CDS], Hillmann, G. GAL-51 [CDS], Hillmann, G. GAL-53 [CDS], Hillmann, G. GAL-57 [CDS], Hillmann, G. GAL-49 A [CDS], Hillmann, G. GAL-28 [CDS], Hillmann, G. GAL-82 [CDS], Bungartz, F. 8779 [CDS], Bungartz, F. 8780 [CDS], Nugra, F. 887 [CDS], Rivas Plata, E. 4046 [CDS], Rivas Plata, E. 4042 C [CDS], Bungartz, F. 9278 [CDS], Bungartz, F. 9955 [CDS], Aptroot, A. 63299 [CDS], Truong, C. 1264 [CDS], Tehler, A. 8632 [CDS], Nugra, F. 342 [CDS], Aptroot, A. 64242 [CDS], Bungartz, F. 5766 [CDS], Nugra, F. 610 [CDS], Aptroot, A. 64322 A [CDS], Simbaña, W. 569 [CDS], Yánez-Ayabaca, A. 1846 [CDS], Yánez-Ayabaca, A. 1861 [CDS], Aptroot, A. 64612 [CDS], Aptroot, A. 64257 [CDS], Aptroot, A. 64211 [CDS], Spielmann, A.A. 10397 [CDS], Spielmann, A.A. 10641 [CDS], Spielmann, A.A. 10689 [CDS], Spielmann, A.A. 10697 [CDS], Spielmann, A.A. 10699 [CDS], Spielmann, A.A. 10704 [CDS], Bungartz, F. 10307 [CDS], Bungartz, F. 10309 [CDS]

Cryptothecia subnidulans Stirt. v

source: Lücking (1999); K. Kalb 19482 [WIS]

Cylindronectria

Cylindronectria cyanobacteriicola Etayo v

* = lichenicolous fungi (parasites on living lichens); on *Parmotrema reticulatum* & *Hypotrachyna* sp., source: Etayo (2017); Etayo, J. 25438 [hb. Etayo], Etayo, J. 25515 [hb. Etayo], Etayo, J. 25534 [hb. Etayo]

Cyphellostereum

Cyphellostereum galapagoense (Yánez-Ayabaca, Dal-Forno & Bungartz) Dal-Forno, Bungartz & Lücking

[*Dictyonema galapagoense* Yánez, Dal-Forno & Bungartz]
endemic to Galapagos, Holotype: Bungartz 8517 (CDS 41163), source: Dal-Forno et al. (2017), Yánez-Ayabaca et al. (2012); Bungartz, F. 8517 [CDS], Yánez-Ayabaca, A. 1545 [CDS]

Cyphellostereum nitidum (Lücking) Lücking v

[*Dictyonema phyllogenum f. nitidum* Lücking]
Holotype QCNE, Lücking, May 1996, source: Lücking (2008); Lücking, R. s.n. [INABIOEC-MECN-QCNE]

Cyphellostereum phyllogenum (Müll. Arg.) Lücking, Dal-Forno & Lawrey v

[*Dichonema phyllogenum* Müll. Arg., *Dictyonema phyllogenum* (Müll.Arg.) Zahlbr., *Dictyonema phyllogenum f. defectum* Lücking, *Dictyonema phyllogenum f. phyllogenum* (Müll.Arg.) Zahlbr., *Rhipidonema phyllogenum* (Müll. Arg.) Vain.]
source: Lücking (1999), Nöske et al. (2007); Klara Scharnagl 1886 [MSC], Klara Scharnagl 2247 [MSC]

Cyphellostereum unoquinoum Dal-Forno, Bungartz & Lücking

endemic to Galapagos, Holotype: Bungartz 9475 [CDS 46556], source: Dal-Forno et al. (2017); Bungartz, F. 9475 [CDS]

Cyphobasidium

Cyphobasidium hypotrachynicola Diederich, Flakus, Etayo & Rodr. Flakus v

* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna*, source: Diederich et al. (2022)

Cyphobasidium usneicola (Diederich & Alstrup) Millanes, Diederich & Wedin v

[*Cystobasidium usneicola* Diederich & Ahti]
* = lichenicolous fungi (parasites on living lichens); on *Usnea*, source: Diederich et al. (2022)

Dacampia

Dacampia leptogiicola (D. Hawksw.) D. Hawksw. v

[*Pleospora leptogiicola* D. Hawksw.]
* = lichenicolous fungi (parasites on living lichens); on *Sticta weigelii*, source: Etayo (2017); Etayo, J. 20103 [hb. Etayo]

Dacampia pentaseptata Etayo v

* = lichenicolous fungi (parasites on living lichens); on *Parmotrema reticulatum*, source: Etayo (2017); Etayo, J. 25373 [hb. Etayo], Etayo, J. & Palice, Z. 25373 [QCAM]

Dacampia rufescentis (Vouaux) D. Hawksw. v

[*Pleospora rufescentis* Vouaux]
* = lichenicolous fungi (parasites on living lichens); on *Peltigera soredians* & *Peltigera* sp., source: Etayo (2017); J. Etayo 19917 [hb. Etayo], J. Etayo 26307 [hb. Etayo], J. Etayo 26309 [hb. Etayo], Etayo, J. 27021 [hb. Etayo], J. Etayo 19919 [hb. Etayo]

Dactylospora

Dactylospora parasitica (Flörke ex Sprengel) Zopf v

[*Buellia parasitica* (Flörke) Th. Fr., *Lecidea parasitica* Flörke, *Leciographa inspersa* (Tul.) Rehm, *Leciographa inspersa var. convexa* (Fr.) Keissl., *Leciographa inspersa var. inspersa* (Tul.) Rehm, *Sclerophyton occidentale* Herre]

* = lichenicolous fungi (parasites on living lichens); on *Pertusaria* sp., *Pertusaria culbersonii*, source: Etayo (2017)

Dactylospora porphyrea Hafellner & Kalb

* = lichenicolous fungi (parasites on living lichens); host not indicated, source: Hafellner (1985a), Etayo (2017)

Dactylospora saxatilis (Schaer.) Hafellner

[*Acolium saxatile* (Schaer.) A. Massal., *Buellia saxatilis* (Schaer.) Körb., *Buellia saxatilis f. saxatilis* (Schaer.) Körb., *Calicium saxatile* Schaer., *Karschia saxatilis* (Schaer.) Rehm, *Karschia saxatilis f. epiconcolor* (Bagl. & Carestia) Kreisel, *Karschia saxatilis f. leptolepis* (Bagl. & Carestia) Kreisel, *Karschia saxatilis f. saxatilis* (Schaer.) Rehm, *Lecidea saxatilis* (Schaer.) Hepp, *Trachylia saxatilis* (Schaer.) Fr.]
* = lichenicolous fungi (parasites on living lichens); on *Pertusaria*, source: Etayo (2017)

Degelia

Degelia gayana (Mont.) Arv. & D.J. Galloway

[*Coccocarpia gayana* (Mont.) Nyl., *Coccocarpia gayana var. gayana* (Mont.) Nyl., *Coccocarpia gayana var. subdivisa* Zahlbr., *Coccocarpia gayana var. suvdivisa* Zahlbr., *Pannaria gayana* (Mont.) A. Massal., *Parmelia gayana* Mont., *Parmeliella gayana* (Mont.) Müll.Arg., *Trachyderma gayanum* (Mont.) Trevis.]
source: Leighton (1866), Cevallos (2012)

Dibaeis

Dibaeis arcuata (Stirt.) Kalb & Gierl

[*Baeomyces arcuatus* Stirt., *Baeomyces fungoides* (Swartz) Ach., *Baeomyces fungoides var. fungoides* (Sw.) Ach., *Baeomyces ramalinellus* Nyl., *Baeomyces roseus f. fungoides* (Sw.) Tuck., *Baeomyces roseus var. fungoides* (Sw.) Tuck., *Dibaeis fungoides* (Sw.) Kalb & Gierl, *Lichen fungoides* Sw., *Tubercularia fungoides* (Sw.) Kuntze]
source: Müller (1879, as *Baeomyces fungioides*), Cevallos (2012); Gierl & Kalb (1993), Nöske & Sipman (2004), Nöske et al. (2007); K. Kalb 17037 [WIS], K. Kalb 16617 [WIS], K. Kalb & A. Kalb 1987-08-20 [UPS], K. Kalb, A. Kalb 1987-08-20 [O], Arvidsson... 5480 [GB], Arvidsson... 5936 [GB], Arvidsson... 5651 [GB], Arvidsson... 983 [GB], Arvidsson... 3241 [GB], Arvidsson... 6771 [GB], Holm-Nielsen... 17776 [GB], Holm-Nielsen... 17266 [GB], Arvidsson... 6076 [GB], Arvidsson... 5993 [GB], Arvidsson... 6110 [GB], Harling, Gunnar 25739b [GB], Harling, Gunnar 25806 [GB], Arvidsson... 1732 [GB], Arvidsson... 1302 [GB], Arvidsson... 1154 [GB], Arvidsson... 5806 [GB], Andersson, Lennart 147 [GB], Holm-Nielsen, L.... 3574 [GB], Etayo, J. 25779 [hb. Etayo]

Dibaeis columbiana (Vain.) Kalb & Gierl

[*Baeomyces columbianus* Vain.]
parasitized by *Sphaerellothecium coniodes*, source: Gierl & Kalb (1993), Nöske & Sipman (2004), Nöske et al. (2007), Mittermeier (2015), González et al. (2017a, b), Etayo (2017); H. Balslev 809 [NY], L. Brako 4484 [NY], L. B. Holm-Nielsen 17776 [NY], L. B. Holm-Nielsen 17266 [NY], COLO-L-0070609 [COLO], COLO-L-0070615 [COLO], R. M. King 74 - 96 [US], Arvidsson... 4656 [GB], Arvidsson... 1293 [GB], Arvidsson... 1154 [GB], Arvidsson... 4472 [GB], Arvidsson... 7254 [GB], Arvidsson... 2932 [GB], Lindström, Marie 946 [GB], Molau... 2945 [GB], Arvidsson... 4706 [GB]

Dibaeis globulifera Kalb & Gierl

Telma Paredes 942 [INABIOEC-MECN-QCNE], Telma Paredes 1006 [INABIOEC-MECN-QCNE]

Dibaeis holstii (Müll. Arg.) Kalb & Gierl

[*Baeomyces holstii* Müll.Arg.]
source: Nöske & Sipman (2004), Nöske et al. (2007)

Dibaeis sorediata Kalb & Gierl

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 63200 [CDS], Aptroot, A. 65572 [CDS]

Dibaeis umbrelliformis Kalb & Gierl

Holotype WIS, Lich. Neotr. 406, source: Gierl & Kalb (1993); K. Kalb 18862 [WIS], Kalb, K. s.n. [CANB]

Dichoporis

Dichoporis phaea (Ach.) S.H. Jiang, Lücking & Sérus.

[*Porina phaea* (Ach.) Müll.Arg., *Strigula diederichiana* Etayo, Cl. Roux & Sérus., *Strigula phaea* (Ach.) R.C. Harris, *Verrucaria phaea* Ach.]
native, indigenous; Klara Scharnagl 2090 [MSC], Klara Scharnagl 2091 [MSC], Bungartz, F. 3688 [CDS], Bungartz, F. 3669 [CDS], Bungartz, F. 3709 [CDS], Aptroot, A. 64249 [CDS], Aptroot, A. 64318 [CDS], Aptroot, A. 64459 [CDS]

Dichoporis viridiseda (Nyl.) S.H. Jiang, Lücking & Sérus.

[*Leiophloea viridiseda* (Nyl.) Trevis., *Porina viridiseda* (Nyl.) Zahlbr., *Strigula viridiseda* (Nyl.) R.C. Harris, *Verrucaria viridiseda* Nyl., *Verrucaria viridiseda f. viridiseda* Nyl.]
source: Nöske et al. (2007); Bungartz, F. 6277 [CDS], Truong, C. 1266 [CDS]

Dichosporidium

Dichosporidium boschianum (Mont.) G. Thor

[*Chiodecton boschianum* Mont., *Chiodecton hamatum* Nyl., *Chiodecton hamatum var. hamatum* Nyl.]
source: Benítez et al. (2015), Benítez (2016), Fernández-Prado et al. (2022); Benítez, A. 164 [HUTPL]

Dichosporidium nigrocinctum (Ehrenb.) G. Thor

[*Chiodecton nigrocinctum* (Ehrenb.) Mont., *Hypochnus nigrocinctus* Ehrenb.]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Déleg et al. (2021), Fernández-Prado et al. (2022); Klara Scharnagl 1867 [MSC], Klara Scharnagl 2238 [MSC], Klara Scharnagl 2263a [MSC], Klara Scharnagl 1882 [MSC], Klara Scharnagl 1841 [MSC], Klara Scharnagl 2240 [MSC], Klara Scharnagl 1872 [MSC], Klara Scharnagl 1889 [MSC], Klara Scharnagl 1901 [MSC], Klara Scharnagl 1910 [MSC], Klara Scharnagl 1923 [MSC], Klara Scharnagl 1936 [MSC], Klara Scharnagl 1949 [MSC], Klara Scharnagl 2075 [MSC], Klara Scharnagl 2094 [MSC], Klara Scharnagl 2172 [MSC], Klara Scharnagl 2218 [MSC], Klara Scharnagl 2223 [MSC], Klara Scharnagl 2224 [MSC], Klara Scharnagl 2237 [MSC], Klara Scharnagl 1902a [MSC], Holm-Nielsen... 1973-03-30 [GB], Gunnar Harling 1803 [S], Etayo, J. 25808 [hb. Etayo], Etayo, J. 26335 [hb. Etayo]

Dictyographa

Dictyographa arabica Müll.Arg.

[*Opegrapha arabica* (Müll. Arg.) Vain.]
source: Ertz & Tehler (2010), van den Boom et al. (2022); Bungartz, F. 7050 [CDS], Bungartz, F. 5330 [CDS], Bungartz, F. 5346 [CDS], Ertz, D. 11629 [CDS], Ertz, D. 11637 [CDS], Ertz, D. 11645 [CDS], Ertz, D. 11678 [CDS], Ertz, D. 12001 [CDS], Ertz, D. 12040 [CDS], Segura, D. s.n. [CDS], Bungartz, F. 5299 [CDS], Bungartz, F. 6157 [CDS], Bungartz, F. 6393 [CDS], Bungartz, F. 6460 [CDS], Jaramillo, P. 3002 B [CDS], Bungartz, F. 7148 [CDS], Bungartz, F. 7244 [CDS], Bungartz, F. 7260 [CDS], Bungartz, F. 7957 [CDS], Bungartz, F. 7270 [CDS], Bungartz, F. 6069 [CDS], Bungartz, F. 3744 [CDS], Bungartz, F. 5339 [CDS], Bungartz, F. 7150 [CDS], Bungartz, F. 6072 [CDS], Bungartz, F. 4516 [CDS], Bungartz, F. 3804 [CDS], Bungartz, F. 7952 [CDS], Bungartz, F. 6073 [CDS], Bungartz, F. 3775 [CDS], Bungartz, F. 4552 [CDS], Bungartz, F. 3781 [CDS], Aptroot, A. 64404 B [CDS], Bungartz, F. 9779 [CDS], Bungartz, F. 9898 [CDS], Bungartz, F. 9896 [CDS], Bungartz, F. 10099 [CDS], Bungartz, F. 9772 [CDS], Bungartz, F. 6357 [CDS], Bungartz, F. 6358 [CDS], Bungartz, F. 6356 [CDS], Bungartz, F. 3841 [CDS], Bungartz, F. 7950 B [CDS], Bungartz, F. 6354 [CDS], Bungartz, F. 6338 [CDS], Bungartz, F. 6361 [CDS], Bungartz, F. 9911 [CDS], Bungartz, F. 4517 [CDS], Aptroot, A. 64384 [CDS], Aptroot, A. 63021 [CDS], Aptroot, A. 64412 [CDS], Aptroot, A. 64735 [CDS], Aptroot, A. 65329 [CDS], Yánez-Ayabaca, A. 2048 [CDS], Bungartz, F. 9011 [CDS], Bungartz, F. 3807 [CDS], Bungartz, F. 3769 [CDS]

Dictyonema

Dictyonema applanatum Lücking, Dal-Forno & Wilk

source: Fernández-Prado et al. (2022)

Dictyonema barbatum Dal-Forno, Bungartz & Lücking

endemic to Galapagos, Holotype: Bungartz 8363 [CDS 41009], source: Dal-Forno et al. (2017); Bungartz, F. 8363 [CDS], Bungartz, F. 6852 [CDS], Bungartz, F. 8576 [CDS], Bungartz, F. 6906 [CDS], Bungartz, F. 6849 [CDS], Yánez-Ayabaca, A. 1550 [CDS], Aptroot, A. 63148 [CDS], Aptroot, A. 65186 [CDS], Truong, C. 1275 [CDS], Truong, C. 1259 [CDS], Truong, C. 1533 [CDS], Bungartz, F. 4127 A [CDS], Aptroot, A. 64818 [CDS], Aptroot, A. 65523 [CDS], Clerc, P. 08-166 [CDS], Clerc, P. 08-194 [CDS], Herrera-Campos, M.A. 10545 [CDS], Herrera-Campos, M.A. 10555 [CDS], Bungartz, F. 8581 [CDS], Herrera-Campos, M.A. GAL-449 [CDS], Yánez-Ayabaca, A. 1548 [CDS], Yánez-Ayabaca, A. 1549 [CDS], Weber, D. s.n. [CDS], Weber, D. s.n. [CDS]

Dictyonema caespitosum (Johow) Lücking

[*Dictyonema sericeum f. caespitosa* (Johow) P. Metzner, *Laudatea caespitosa* Johow]
source: González et al. (2019)

Dictyonema darwinianum Dal-Forno, Bungartz & Lücking

endemic to Galapagos, Holotype: Dal-Forno 1209 [CDS 44733], source: Dal-Forno et al. (2017); Herrera-Campos, M.A. 10560 [CDS], Dal-Forno, M. 1171 [CDS], Dal-Forno, M. 1174 [CDS], Dal-Forno, M. 1177 [CDS], Dal-Forno, M. 1178 [CDS], Dal-Forno, M. 1179 [CDS], Dal-Forno, M. 1182 A [CDS], Dal-Forno, M. 1191 [CDS], Dal-Forno, M. 1209 [CDS], Dal-Forno, M. 1211 [CDS], Spielmann, A.A. 8249 [CDS], Spielmann, A.A. 10621 [CDS], Dal-Forno, M. 1183 [CDS], Yánez-Ayabaca, A. 1828 [CDS], Yánez-Ayabaca, A. 1842 [CDS], Yánez-Ayabaca, A. 1541 [CDS], Yánez-Ayabaca, A. 1507 [CDS], Nugra, F. 1096 [CDS], Nugra, F. 1051 [CDS], Aptroot, A. 64519 [CDS], Aptroot, A. 65037 A [CDS], Bungartz, F. 3276 [CDS], Bungartz, F. 3956 [CDS], Bungartz, F. 5746 [CDS], Bungartz, F. 6883 [CDS], Bungartz, F. 8350 [CDS], Bungartz, F. 9476 [CDS], Bungartz, F. 7097 A [CDS], Aptroot, A. 63153 [CDS], Aptroot, A. 63192 A [CDS], Aptroot, A. 63198 [CDS], Bungartz, F. 4127 B [CDS], Aptroot, A. 63899 [CDS], Bungartz, F. 3275 [CDS], Aptroot, A. 65638 [CDS], Bungartz, F. 5592 [CDS], Nugra, F. 358 [CDS], Nugra, F. 252 [CDS], Truong, C. 1239 [CDS], Clerc, P. 08-109 [CDS], Bungartz, F. 8258 [CDS], Dal-Forno, M. 1173 [CDS], Dal-Forno, M. 1185 [CDS], Dal-Forno, M. 1184 [CDS], Dal-Forno, M. 1186 [CDS], Dal-Forno, M. 1189 [CDS], Dal-Forno, M. 1208 [CDS], Dal-Forno, M. 1210 [CDS], Dal-Forno, M. 1212 [CDS], Dal-Forno, M. 1215 [CDS], Dal-Forno, M. 1219 [CDS], Dal-Forno, M. 1220 [CDS], Dal-Forno, M. 1224 [CDS], Dal-Forno, M. 1225 [CDS], Yánez-Ayabaca, A. 1514 [CDS], Yánez-Ayabaca, A. 1515 [CDS], Yánez-Ayabaca, A. 1516 [CDS], Yánez-Ayabaca, A. 1520 [CDS], Yánez-Ayabaca, A. 1523 [CDS], Yánez-Ayabaca, A. 1524 [CDS], Yánez-Ayabaca, A. 1527 A [CDS], Yánez-Ayabaca, A. 1528 [CDS], Yánez-Ayabaca, A. 1531 [CDS], Rivas Plata, E. 4081 [CDS], Spielmann, A.A. 8261 [CDS], Spielmann, A.A. 8264 [CDS], Bungartz, F. 9484 [CDS], Yánez-Ayabaca, A. 1874 [CDS], Yánez-Ayabaca, A. 1958 [CDS], Yánez-Ayabaca, A. 2062 [CDS], Yánez-Ayabaca, A. 2063 [CDS], Yánez-Ayabaca, A. 2064 [CDS], Bungartz, F. 10028 [CDS], Yánez-Ayabaca, A. 1825 [CDS], Yánez-Ayabaca, A. 1912 [CDS], Nugra, F. 1031 [CDS], Nugra, F. 1046 [CDS], Nugra, F. 1050 [CDS], Bungartz, F. 10326 [CDS], Yánez-Ayabaca, A. 2056 B [CDS]

Dictyonema discocarpum Lücking, Dal-Forno & Wilk

source: Fernández-Prado et al. (2022)

Dictyonema hapteriferum Lücking, Dal-Forno & Wilk

source: Fernández-Prado et al. (2022)

Dictyonema hernandezii Lücking, Lawrey & Dal-Forno

source: Dal-Forno et al. (2013)

Dictyonema huaorani Dal-Forno, Schmull, Lücking & Lawrey

Holotype FH 00377315, source: Schmull et al. (2014); E. W. Davis... 1051 [FH]

Dictyonema interruptum (Carmich. ex Hook.) Parmasto

Etayo, J. 25696 [hb. Etayo], Etayo, J. 25787 [hb. Etayo], Etayo, J. 25820 [hb. Etayo], Etayo, J. 26329 [hb. Etayo], Etayo, J. 26418 [hb. Etayo]

Dictyonema metallicum Lücking, Dal-Forno & Lawrey

Holotype QCNE, Lücking 26255, source: Dal-Forno et al. (2013), Lücking et al. (2013); Lücking, R. 26255 [INABIOEC-MECN-QCNE]

Dictyonema obscuratum Lücking, A.A. Spielm. & Marcelli

Klara Scharnagl 2077 [MSC]

Dictyonema pectinatum Dal-Forno, Yánez & Lücking

endemic to Galapagos, Holotype: Dal-Forno, M. 1170 [CDS 44705], source: Dal-Forno et al. (2017) Yánez-Ayabaca & et al. (2012); Dal-Forno, M. 1221 [CDS], Dal-Forno, M. 1222 [CDS], Dal-Forno, M. 1193 C [CDS], Dal-Forno, M. 1188 A [CDS], Dal-Forno, M. 1170 [CDS], Yánez-Ayabaca, A. 1877 [CDS]

Dictyonema phyllophilum (Parmasto) Lücking, Dal-Forno & Lawrey

[*Dictyonema sericeum f. phyllophilum* Parmasto]
Klara Scharnagl 2169b [MSC]

Dictyonema ramificans Dal-Forno, Yánez-Ayabaca & Lücking

endemic to Galapagos, Holotype: Dal-Forno 1214 [CDS 44738], source: Dal-Forno et al. (2017); Dal-Forno, M. 1214 [CDS], Yánez-Ayabaca, A. 1517 [CDS], Yánez-Ayabaca, A. 1518 [CDS], Yánez-Ayabaca, A. 1521 [CDS], Yánez-Ayabaca, A. 1534 [CDS], Yánez-Ayabaca, A. 1539 [CDS]

Dictyonema subobscuratum Dal-Forno, Bungartz & Lücking

endemic to Galapagos, Holotype. Bungartz, F. 9549 [CDS 46559], source: Dal-Forno et al. (2017); Yánez-Ayabaca, A. 2058 A [CDS], Bungartz, F. 9549 [CDS], Bungartz, F. 9550 [CDS], Bungartz, F. 9551 [CDS], Bungartz, F. 9552 [CDS], Dal-Forno, M. 1181 [CDS]

Dictyonema thelephora (Spreng.) Zahlbr.

[*Cora aeruginosa* (Nees) Sacc., *Cora neesiana* Lév., *Cora sericea* (Sw.) Fr., *Dematium thelephora* Spreng., *Dichaena sericeum* (Sw.) Overeem, *Dichonema aeruginosum* Blume & T. Nees, *Dichonema diducens* Nyl., *Dichonema sericeum* (Sw.) Mont., *Dictyonema aeruginosum* (Blume & T. Nees) Berk., *Dictyonema excentricum* C. Agardh, *Dictyonema schenckianum* (Müll.Arg.) Zahlbr., *Dictyonema sericeum* (Sw.) Berk., *Dictyonema sericeum f. laminosum* Har., *Dictyonema sericeum f. membranaceum* P. Metzner, *Dictyonema sericeum f. schenckianum* (Müll. Arg.) Parmasto, *Dictyonema sericeum f. sericeum* (Sw.) Berk., *Dictyonema sericeum f. thelephora* (Spreng.) Parmasto, *Dictyonema sericeum f. typica* P. Metzner nom. inval., *Dictyonema sericeum var. aeruginosum* (Blume & T. Nees) Vain., *Dictyonema sericeum var. sericeum* (Sw.) Berk., *Hydnum sericeum* Sw., *Laudatea schenckiana* Müll. Arg., Hedwigia 30(4): 234 (1891), *Rhipidonema excentricum* (C. Agardh) Sacc., *Rhipidonema schenckianum* (Müll. Arg.) Tomas., *Rhipidonema sericeum* (Sw.) Mattir., *Rhipidonema thelephora* (Spreng.) Tomas., *Thelephora sericea* (Sw.) Sw., *Thelephora sericea var. sericea* Schrad.]
source: Müller (1879), Romeguère (1879), Nöske & Sipman (2004), Nöske et al. (2007), Mandl (2007); Klara Scharnagl 1959 [MSC], Klara Scharnagl 2159 [MSC], Erik Asplund L301 [UPS], E. Asplund L 301 [US], J. L. Luteyn... 8593 [US]

Didymellopsis

Didymellopsis latitans (Nyl.) Sacc. ex Clem. & Shear

[*Arthopyrenia latitans* (Nyl.) H. Olivier, *Didymella latitans* (Nyl.) Sacc. & D. Sacc., *Obryzum latitans* Nyl.]
* = lichenicolous fungi (parasites on living lichens); on *Heppia adglutinata*, source: Etayo (2017)

Didymellopsis viridireagens Etayo

* = lichenicolous fungi (parasites on living lichens); on *Leptogium andinum*, and *Leptogium mandonii*, Holotype QCA, Etayo 25440, source: Etayo (2017); Etayo, J. 17342 [hb. Etayo], Etayo, J. 25440 [hb. Etayo], J. Etayo 25572 [hb. Etayo]

Didymocyrtis

Didymocyrtis epiphyscia Ertz & Diederich

[*Phoma physciicola* Keissl., *Phyllosticta physciicola* (Keissl.) Keissl.]
* = lichenicolous fungi (parasites on living lichens); on *Heterodermia* sp., *Heterodermia leucomelos*, & *Heterodermia casarettiana*, source: Etayo (2017; as *Didymocyrtis epiphyscia* s.l.); Etayo, J. 20028 [hb. Etayo], Etayo, J. 20034 [hb. Etayo], Etayo, J. 25368 [hb. Etayo], Etayo, J. 25507 [hb.

Etayo], Etayo, J. 25519 [hb. Etayo], Etayo, J. 25692 [hb. Etayo], J. Etayo 25579 [hb. Etayo]

Didymocyrtis infestans (Speg.) Hafellner

[*Didymosphaerella infestans* (Speg.) Cooke, *Didymosphaeria infestans* Speg., *Discothecium infestans* (Speg.) Vouaux, *Endococcus infestans* (Speg.) Speg., *Microthelia infestans* (Speg.) Kuntze, *Polycoccum infestans* (Speg.) Etayo]
* = lichenicolous fungi (parasites on living lichens); on *Teloschistes flavicans*, source: Etayo (2017); Etayo, J. 25513 [hb. Etayo], Etayo, J. 25904 [hb. Etayo]

Didymocyrtis melanelixiae (Brackel) Diederich, Harris & Etayo

[*Phoma melanelixiae* Brackel]
* = lichenicolous fungi (parasites on living lichens); on *Punctelia rudecta*, source: Etayo (2017), van den Boom et al. (2022); Etayo, J. 20035 [hb. Etayo], Etayo, J. 20035 [QCAM]

Didymocyrtis micropunctum Etayo

* = lichenicolous fungi (parasites on living lichens); on *Parmotrema* sp., Holotype QCA, Etayo 25560, source: Etayo (2017); J. Etayo 25560 [hb. Etayo], Etayo, J. 25560 [QCAM]

Didymocyrtis ramalinae (Roberge ex Desm.) Ertz, Diederich & Hafellner

[*Diederichomyces ficuzzae* (Brackel) Crous & Trakun., *Heptameria ramalinae* (Roberge ex Desm.) Cooke, *Leptosphaeria ramalinae* (Roberge ex Desm.) Sacc., *Phaeospora ramalinae* (Desm.) Vouaux, *Phoma ficuzzae* Brackel, *Sphaeria ramalinae* Roberge ex Desm.]
* = lichenicolous fungi (parasites on living lichens); on *Ramalina* sp., source: Etayo (2017), van den Boom et al. (2022); Etayo, J. 20027 [hb. Etayo]

Dimerella

Dimerella chiodectonoides Kalb

Type Lichenes Neotropici #417 [Kalb, Lich. Neotrop. [Neumarkt]], source: Kalb (1988); Kalb, Klaus ; Kalb, A. 1987-08-26 [CMN], K. Kalb & A. Kalb 1987-08-24 [F], K. Kalb & A. Kalb 417 [UPS], K. Kalb, A. Kalb 1987-08-26 [O], 41848 [TNS]

Dimidiographa

Dimidiographa loandensis (Nyl.) Ertz & Tehler

[*Opegrapha loandensis* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Ertz (2009), Ertz & Tehler (2010); Ertz, D. 11505 [CDS], Bungartz, F. 5034 [CDS], Bungartz, F. 6001 [CDS], Bungartz, F. 5304 [CDS], Bungartz, F. 5930 [CDS], Bungartz, F. 5095 [CDS], Bungartz, F. 5356 [CDS], Bungartz, F. 6466 [CDS], Bungartz, F. 5096 [CDS], Bungartz, F. 5097 [CDS], Bungartz, F. 5273 [CDS], Bungartz, F. 6448 [CDS], Bungartz, F. 4535 [CDS], Bungartz, F. 4536 [CDS], Bungartz, F. 4537 [CDS], Bungartz, F. 4538 [CDS], Bungartz, F. 5098 [CDS], Bungartz, F. 5939 [CDS], Bungartz, F. 5301 [CDS], Bungartz, F. 6461 [CDS], Bungartz, F. 6389 [CDS], Bungartz, F. 5938 [CDS], Jaramillo, P. 2970 C [CDS], Bungartz, F. 7140 [CDS], Bungartz, F. 7151 [CDS], Bungartz, F. 7195 [CDS], Bungartz, F. 7942 [CDS], Simbaña, W. 553 [CDS], Bungartz, F. 7179 [CDS], Nugra, F. 101 [CDS], Nugra, F. 112 [CDS], Nugra, F. 125 [CDS], Bungartz, F. 4433 [CDS], Bungartz, F. 5026 [CDS], Bungartz, F. 4377 [CDS], Bungartz, F. 4648 [CDS], Bungartz, F. 3375 [CDS], Bungartz, F. 4651 [CDS], Bungartz, F. 4586 [CDS], Bungartz, F. 4650 [CDS], Bungartz, F. 4436 [CDS], Aptroot, A. 64913 [CDS], Aptroot, A. 64725 [CDS], Aptroot, A. 64960 [CDS], Aptroot, A. 65015 [CDS], Aptroot, A. 64716 [CDS], Aptroot, A. 65437 [CDS], Nugra, F. 478 [CDS], Aptroot, A. 65611 [CDS], Aptroot, A. 65630 [CDS]

Diorygma

Diorygma antillarum (Vain.) Nelsen, Lücking & Rivas Plata

[*Chiodecton antillarum* Vain., *Herpothallon antillarum* (Vainio) Aptroot, Lücking & G. Thor]
Klara Scharnagl 2048 [MSC], Klara Scharnagl 2181 [MSC], Klara Scharnagl 2182 [MSC]

Diorygma confluens (Fée) Kalb, Staiger & Elix

[*Arthonia confluens* Fée, *Graphina confluens* (Fée) Müll.Arg., *Graphis confluens* (Fée) Fée, *Hemithecium confluens* (Fée) Trevis., *Lecanactis confluens* Mont., *Lecanactis confluens var. confluens* Mont., *Phaeographina confluens* (Fée) Müll. Arg., *Solenographa confluens* (Mont.) A. Massal.]
source: van den Boom et al. (2022), Kalb et al. (2004); R. C. Harris 17811 [NY], R. C. Harris 17828 [NY], R. C. Harris 17840 [NY], R. C. Harris 17903 [NY], R. C. Harris 17922 [NY], R. C. Harris 17894 [NY], COLO-L-0072639 [COLO], R. C. Harris 17840 [US]

Diorygma epiglaucum (Müll. Arg.) Kalb, Staiger & Elix

[*Graphina epiglauca* Müll.Arg.]
source: Nöske et al. (2007), van den Boom et al. (2022), Kalb et al. (2004); K. Kalb 41054 [NY], K. Kalb 18676 [WIS], A. Aptroot s.n. [WIS], Culberson, William, L.... 20446 [DUKE]

Diorygma minisporum Kalb, Staiger & Elix

source: Nöske et al. (2007)

Diorygma monophorum (Nyl.) Kalb, Staiger & Elix

[*Graphina monophora* (Nyl.) Zahlbr., *Graphis monophora* Nyl.]
source: van den Boom et al. (2022)

Diorygma poitaei (Fée) Kalb, Staiger & Elix

[*Ectographis poitaei* (Fée) Trevis., *Glaucinaria poitaei* (Fée) A. Massal., *Graphina melaleuca* Müll.Arg., *Graphina obtectula* Müll.Arg., *Graphina palmeri* Zahlbr., *Graphina poitaei* (Fée) Müll.Arg., *Graphina triangularis* Zahlbr., *Graphina virginea* (Eschw.) Müll.Arg., *Graphis collosporella* Vain., *Graphis homographa* Nyl., *Graphis poitaei* Fée, *Graphis virginea* Nyl., *Leiogramma virgineum* Eschw., *Opegrapha poitaei* (Fée) Bél.]
source: Déleg et. al (2021), Kalb et al. (2004); R. C. Harris 17817 [NY], K. Kalb 18165 [WIS], K. Kalb 19458 [WIS], K. Kalb 19482 [WIS], Aptroot, A. 63133 [CDS], Aptroot, A. 63308 [CDS], Aptroot, A. 63321 [CDS], Aptroot, A. 63330 [CDS], Bungartz, F. 3988 [CDS], Bungartz, F. 5809 [CDS], Bungartz, F. 3713 [CDS], Bungartz, F. 3716 [CDS], Bungartz, F. 5125 [CDS], Bungartz, F. 3677 [CDS], Aptroot, A. 64296 [CDS], Aptroot, A. 64326 [CDS], Pozo, P. 1888 [CDS], Pozo, P. 1886 [CDS], Pozo, P. 1887 [CDS], Bungartz, F. 7074 [CDS], Truong, C. 1343 [CDS], Herrera-Campos, M.A. 10624 [CDS], Herrera-Campos, M.A. 10645 [CDS], Bungartz, F. 8135 [CDS], Bungartz, F. 8640 [CDS], Dal-Forno, M. 1159 [CDS], Rivas Plata, E. 4033 [CDS], Yánez-Ayabaca, A. 1948 [CDS], Rivas Plata, E. 4042 B [CDS], Bungartz, F. 3924 [CDS], Nugra, F. 457 [CDS], Bungartz, F. 5782 [CDS], Yánez-Ayabaca, A. 2054 [CDS], Bungartz, F. 5774 [CDS], Bungartz, F. 10045 [CDS], Aptroot, A. 63943 [CDS], Bungartz, F. 3679 [CDS], Dal-Forno, M. 1158 A [CDS], Bungartz, F. 3994 [CDS], Dal-Forno, M. 1838 [CDS]

Diorygma pruinosum (Eschw.) Kalb, Staiger & Elix

[*Cyclographina platyleuca* (Nyl.) D.D. Awasthi & M. Joshi, *Cyclographina pruinosa* (Eschw.) D.D. Awasthi, *Graphina platyleuca* (Nyl.) Zahlbr., *Graphis platyleuca* Nyl. 1868, *Graphis pruinosa* (Eschw.) Nyl., *Helminthocarpon platyleucum* (Nyl.) Müll.Arg., *Helminthocarpon pruinosum* (Eschw.) Müll.Arg., *Leiogramma pruinosum* Eschw., *Platygrapha albovestita* C. Knight, *Schismatomma albovestitum* (C. Knight) Zahlbr.]
R. C. Harris 17820 [NY]

Diorygma tibellii Kalb, Staiger & Elix

source: Kalb et al. (2004)

Diploicia

Diploicia glebosa (Tuck.) Bungartz, Elix & Kalb

[*Pyxine glebosa* Tuck.]
endemic to Galapagos, Type: Ecuador, Galápagos [specific locality and habitat not recorded], Hassler Expedition, 1872, Hill s.n. [FH-TUCK 197448 – lectotype selected by Bungartz et al. (2016)], source: Bungartz et al. (2016); Bungartz, F. 5367 [CDS], Bungartz, F. 5387 [CDS], Bungartz, F. 5374 A [CDS], Bungartz, F. 5209 A [CDS], Bungartz, F. 5323 A [CDS], Bungartz, F. 6142 [CDS], Bungartz, F. 5275 [CDS], Bungartz, F. 7020 [CDS], Ertz, D. 12046 [CDS], Bungartz, F. 7965 [CDS], Bungartz, F. 4513 [CDS], Aptroot, A. 64367 [CDS], Bungartz, F. 4501 A [CDS], Aptroot, A. 64028

A [CDS], Aptroot, A. 64998 C [CDS], Aptroot, A. 64998 B [CDS]

Diploicia leproidica Bungartz & Elix

endemic to Galapagos, Holotype: Bungartz 9761 [CDS 47078], source: Bungartz et al. (2016); Bungartz, F. 9761 [CDS]

Diploicia neotropica Kalb, Elix & Bungartz

native, questionably endem., Holotype: Aptroot 63280 [CDS 30020], source: Bungartz et al. (2016); Bungartz, F. 6932 [CDS], Aptroot, A. 63266 B [CDS], Aptroot, A. 64356 [CDS], Aptroot, A. 64366 [CDS], Bungartz, F. 3813 [CDS], Bungartz, F. 4499 A [CDS], Bungartz, F. 4501 B [CDS], Bungartz, F. 3757 [CDS], Bungartz, F. 6037 [CDS], Bungartz, F. 6081 [CDS], Bungartz, F. 6463 [CDS], Bungartz, F. 6729 [CDS], Aptroot, A. 64446 [CDS], Bungartz, F. 5396 [CDS], Bungartz, F. 7029 [CDS], Bungartz, F. 7283 [CDS], Tehler, A. 8607 [CDS], Bungartz, F. 8431 [CDS], Yánez-Ayabaca, A. 1568 [CDS], Yánez-Ayabaca, A. 1658 [CDS], Bungartz, F. 8804 [CDS], Bungartz, F. 8856 [CDS], Bungartz, F. 8859 [CDS], Bungartz, F. 8861 [CDS], Bungartz, F. 9170 [CDS], Bungartz, F. 9864 [CDS], Bungartz, F. 9875 [CDS], Bungartz, F. 5323 B [CDS], Bungartz, F. 5374 B [CDS], Aptroot, A. 64998 A [CDS], Bungartz, F. 5209 B [CDS], Bungartz, F. 3758 [CDS], Bungartz, F. 3762 [CDS], Aptroot, A. 64400 [CDS], Aptroot, A. 64444 [CDS], Aptroot, A. 63290 [CDS], Aptroot, A. 63280 [CDS]

Diploicia squamulosa Bungartz & Elix

endemic to Galapagos, Holotype: Bungartz 7597 [CDS 38093], source: Bungartz et al. (2016); Bungartz, F. 7597 [CDS], Bungartz, F. 7749 [CDS]

Diploschistes

Diploschistes actinostomus (Ach.) Zalhbr.

[*Acrorixis actinostoma* (Ach.) Trevis., *Aspicilia aperta* (Schaer.) Motyka nom. inval., *Diploschistes actinostomus f. apertus* (Schaer.) Zahlbr., *Lagerheimina actinostoma* (Ach.) Kuntze, *Lecanora actinostoma* (Ach.) Nyl., *Limboria actinostoma* (Ach.) A. Massal., *Limboria actinostoma var. actinostoma* (Ach.) A. Massal., *Urceolaria actinostoma* Pers., *Urceolaria scruposa var. actinostoma* (Ach.) Grognot, *Verrucaria actinostoma* Ach.]

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Elix & McCarthy (1998), Weber (1986); Weber, W.A. s.n. [CDS], Aptroot, A. 63271 [CDS], Bungartz, F. 5402 [CDS], Bungartz, F. 6309 [CDS], Bungartz, F. 6059 [CDS], Aptroot, A. 64934 [CDS], Bungartz, F. 3863 [CDS], Bungartz, F. 4789 [CDS], Aptroot, A. 65727 [CDS], Aptroot, A. 64448 [CDS], Bungartz, F. 7016 [CDS], Bungartz, F. 7243 [CDS], Yánez-Ayabaca, A. 1629 [CDS], Bungartz, F. 8997 [CDS], Jonitz, H. 22 [CDS], Bungartz, F. 9998 [CDS], Bungartz, F. 6126 [CDS]

Diploschistes badius Lumbsch & Elix

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Ertz, D. 11948 [CDS]

Diploschistes cinereocaesius (Sw.) Vain.

[*Diploschistes scruposus var. cinereocaesius* (Sw.) Müll. Arg., *Lagerheimina cinereocaesia* (Sw.) Kuntze, *Lichen cinereocaesius* Sw., *Urceolaria cinereocaesia* (Sw.) Ach., *Urceolaria scruposa var. cinereocaesia* (Sw.) Müll. Arg.]

source: Sklenář et al. (2010), González et al. (2017b); B. Øllgaard 8768 [NY], H. Balslev 849 [NY], R. C. Harris 17647 [NY], R. C. Harris 17661 [NY], R. C. Harris 17789 [NY], H. Balslev 1039 [NY], H. Balslev 1041 [NY], R. C. Harris 17131 [NY], R. C. Harris 17433 [NY], J. L. Luteyn 8894 [NY], W. A. Weber L-63379 [NY], W. C. Steere E-14 [NY], W.L. Culberson 20384 [ASU], W. L. Culberson 20384 [SBBG], Balslev, H 849 [MSC], K. Kalb 17562 [WIS], K. Kalb 17561 [WIS], K. Kalb 17563 [WIS], G. Guenther s.n. [SRP], R. Rosentreter 13,326 [SRP], Culberson, William, L.... 20372 [DUKE], Culberson, William, L.... 20203 [DUKE], Culberson, William, L.... 20556 [DUKE], Culberson, William, L.... 20130 [DUKE], Culberson, William, L.... 20334 [DUKE], Culberson, William, L.... 20330 [DUKE], Culberson, William, L.... 20556 [DUKE], Culberson, William, L.... 20384 [DUKE], W.L. Culberson... 1987-08-22 [UPS], James L. Luteyn 8894 [PH], Richard C. Harris 17789 [PH], H. Balslev 1041 [PH], William L. Culberson 20384 [LSU], J. Lanier [COLO], L. H. Pike [COLO], Weber, W.A. s.n. [CDS], Aptroot, A. 63212 [CDS], Aptroot, A. 64835 A [CDS], Bungartz, F. 4096 [CDS], Aptroot, A. 65569 [CDS], Bungartz, F. 4179 [CDS], Aptroot, A. 65194 [CDS], Aptroot, A. 65253 [CDS], Bungartz, F. 4057 [CDS], Bungartz, F. 6630 [CDS], Aptroot, A. 65165 A [CDS], Aptroot, A. 65692 [CDS], Bungartz, F. 6794 [CDS], Bungartz, F. 6799 [CDS], Ertz, D. 11893 [CDS], Ertz, D. 11945 [CDS], Bungartz, F. 7415 [CDS], Bungartz, F. 7611 [CDS], Hillmann, G. GAL-108 [CDS], Spielmann, A.A. 8263 [CDS], Bungartz, F. 9883 [CDS], Bungartz, F. 10259 [CDS], Yánez-Ayabaca, A. 2123 [CDS], Bungartz, F. 8975 [CDS], Spielmann, A.A. 10399 [CDS], Bungartz, F. 10314 [CDS], Bungartz, F. 4097 B [CDS], Arvidsson... 1155 [GB], Arvidsson... 6926 [GB], Arvidsson... 1061 [GB], Holm-Nielsen... 4875 [GB], Arvidsson... 870 [GB], Arvidsson... 793 [GB], Arvidsson... 5668 [GB], Lindström, Marie 934 [GB], Arvidsson... 2692 [GB], Arvidsson... 6226 [GB], Arvidsson... 6113 [GB], Arvidsson... 6227 [GB], Arvidsson... 3257 [GB], Andersson, Lennart 52 [GB], Arvidsson... 3256 [GB], Holm-Nielsen... 1973-05-15 [GB], Løjtnant... 14290 [GB], Øllgaard... 8768 [GB]

Diploschistes diacapsis (Ach.) Lumbsch

[*Diploschistes albissimus* (Ach.) Dalla Torre & Sarnth., *Urceolaria albissima* (Ach.) Arnold, *Urceolaria diacapsis* Ach., *Urceolaria scruposa var. diacapsis* (Ach.) Nyl.]

source: González et al. (2017a, b); Telma Paredes 943 [INABIOEC-MECN-QCNE], Telma Paredes 1027 [INABIOEC-MECN-QCNE]

Diploschistes euganeus (A. Massal.) Steiner

[*Limboria euganea* A. Massal., *Urceolaria euganea* (A. Massal.) Jatta]

native, indigenous; Bungartz, F. 6434 [CDS], Bungartz, F. 6139 [CDS]

Diploschistes hypoleucus Zahlbr.

source: González et al. (2017b, 2019)

Diploschistes muscorum (Scop.) R. Sant.

[*Diploschistes bryophilus* (Ehrh.) Zahlbr., *Diploschistes bryophilus f. bryophilus* (Ehrh. ex Ach.) Zahlbr., *Diploschistes bryophilus f. iridatus* (A. Massal.) Lettau, *Diploschistes bryophilus f. pachylepis* Lettau, *Diploschistes bryophilus f. parasitica* (Sommerf.) Servít, *Diploschistes bryophilus var. bryophilus* (Ehrh. ex Ach.) Zahlbr., *Diploschistes bryophilus var. klementianus* Gyeln., *Diploschistes bryophilus var. praematricus* Gyeln., *Diploschistes bryophilus var. rossica* Gyeln., *Diploschistes bryophilus var. rossicus* Gyeln., *Diploschistes lichenicola* (Mont.) Vain., *Diploschistes muscorum subsp. muscorum*, *Diploschistes scruposus f. bryophilus* (Ehrh.) Oxner, *Diploschistes scruposus subsp. muscorum* (Scop.) Clauzade & Cl. Roux, *Diploschistes scruposus var. bryophilus* (Ach.) Müll.Arg., *Diploschistes scruposus var. parasiticus* (Sommerf.) Zahlbr., *Gyalecta bryophila* (Ehrh.) Ach., *Lecanora scruposa var. parasitica* Sommerf., *Lichen bryophilus* Ehrh., *Lichen muscorum* Scop., *Mellitiosporium lichenicola* (Mont. & Fr.) Sacc., *Patellaria muscorum* (Scop.) Hoffm., *Stictis lichenicola* Mont. & Fr., *Urceolaria bryophila* (Ehrh.) Funck, *Urceolaria lichenicola* (Mont. & Fr.) A. Rich.]

* = lichenicolous fungi (parasites on living lichens); on *Cladonia* sp.; parasitized by *Karschia talcophila*, source: Nöske & Sipman (2004), Nöske et al. (2007), Etayo (2017); L. Arvidsson 5481 [F], Arvidsson... 6114 [GB], Arvidsson... 5652 [GB], Arvidsson... 5481 [GB], Marcelo Díaz-Andrade 16 [INABIOEC-MECN-QCNE]

Diploschistes muscorum subsp. bartlettii Lumbsch

* = lichenicolous fungi (parasites on living lichens); on *Cladonia*, source: Lumbsch (1987), Elix & McCarthy (1998); K. Kalb 17564 [WIS], L. Arvidsson 5652 [F], Aptroot, A. 63385 [CDS], Aptroot, A. 64859 [CDS], Aptroot, A. 65164 [CDS], Aptroot, A. 65726 [CDS], Bungartz, F. 4834 [CDS], Ertz, D. 11960 [CDS], Bungartz, F. 7473 [CDS], Clerc, P. 08-104 [CDS], Bungartz, F. 8332 [CDS]

Diploschistes rampoddensis (Nyl.) Zahlbr.

[*Urceolaria rampoddensis* Nyl.]

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 63187 [CDS], Bungartz, F. 4098 [CDS], Bungartz, F. 8189 [CDS], Bungartz, F. 3984 [CDS], Bungartz, F. 4097 A [CDS]

Diploschistes scruposus (Schreber) Norman

[*Lagerheimina scruposa* (Schreb.) Kuntze, *Lecanora scruposa* (Schreb.) Nyl., *Lecanora scruposa f. geographica* Flagey, *Lecanora scruposa f. scruposa* (Schreb.) Nyl., *Lecanora scruposa var. gypsacea* (Ach.) Sommerf., *Lecanora scruposa var. scruposa* (Schreb.) Nyl., *Lichen scruposus* Schreb., *Lichen scuposus* Schreb., *Parmelia scruposa* (Schreb.) Hepp, *Patellaria scruposa* (Schreb.) Hoffm., *Psora scruposa* (Schreb.) Hampe, *Urceolaria scruposa* (Schreb.) Ach., *Urceolaria scruposa f. bryophila* Ehrh., *Urceolaria scruposa f. corticola* Harm., *Urceolaria scruposa f. granulosa* Harm., *Urceolaria scruposa f. isidioidea* Schaer., *Urceolaria scruposa f. leprosa* Flot., *Urceolaria scruposa f. minor* Kremp., *Urceolaria scruposa f. muscicola* Anzi, *Urceolaria scruposa f. ochracea* Anzi, *Urceolaria scruposa f. scruposa* (Schreb.) Ach., *Urceolaria scruposa f. subscruposa* Nyl., *Urceolaria scruposa var. albissima* Ach., *Urceolaria scruposa var. arenaria* Schaer., *Urceolaria scruposa var. bryophila* (Ehrh.) Ach., *Urceolaria scruposa var. cretacea* Ach., *Urceolaria scruposa var. iridata* A. Massal., *Urceolaria scruposa var. minor* (Kremp.) Müll. Arg., *Urceolaria scruposa var. parasitica* Sommerf., *Urceolaria scruposa var. plumbea* Ach., *Urceolaria scruposa var. punctata* H. Olivier, *Urceolaria scruposa var. scruposa* (Schreb.) Ach., *Urceolaria scruposa var. virella* Clemente, *Urceolaria scruposa var. vulgaris* Schaer., *Urceolariomyces scruposae* Cif. & Tomas., *Verrucaria scruposa* (Schreb.) Hoffm.]

source: van den Boom et al. (2022)

Diploschistes scruposus f. argillosus (Ach.) Dalla Torre & Sarnth.

[*Urceolaria argillosa* (Ach.) Röhl., *Urceolaria scruposa f. argillosa* Ach., *Urceolaria scruposa var. argillosa* Ach.]
problematic, no modern record, source: Zahlbruckner (1905, 1907)

Dirina

Dirina approximata Zahlbr.

[*Dirina herrei* Zahlbr., *Dirina paradoxa subsp. approximata* (Zahlbr.) Tehler]
endemic to Galapagos, Tehler et al. (2013) include both sorediate and fertile specimens in *Dirina approximata* and they consider *D. herrei* a synonym; Type of *D. approximata*: Ecuador. Galápagos: Isla Seymour (South Seymour Island), 1929, Albert W.C.T. Herre s. n. [W—lectotype selected by Tehler 1983); B, BM, G, GBG, H, KASSEL, L, LD, M, NY, S-L6, UC, UPS—isolectotypes; no type material in COLO]; type of *D. herrei*: Ecuador. Galápagos: Isla Santa Maria (Charles Isl.) Post Office Bay, 1929, Albert W.C.T. Herre s. n. [LD—lectotype selected by Tehler (1983); UPS—isolectotype and distributed as Zahlbr. Lich Rar. Exs. n. 269 in B, W; no type material in COLO]; F. Bungartz: no original material of *D. approximata* and/or *D. herrei* could be located in COLO; specimens collected Weber have been annotated as *D. approximata* or they were misidentifications of other species, e.g., *Syncesia psaroleuca*], source: Zahlbruckner (1931; protologues for *Dirina approximata* and *Dirina herrei*), Elix & McCarthy (1998), Weber (1966, 1986), Aptroot & Sparrius (2008), Tehler et al. (2013); Yánez-Ayabaca, A. 1922 [CDS], Bungartz, F. 9768 [CDS], Bungartz, F. 3858 [CDS], Bungartz, F. 9216 [CDS], Yánez-Ayabaca, A. 2041 [CDS], Yánez-Ayabaca, A. 2042 [CDS], Bungartz, F. 9345 [CDS], Bungartz, F. 9205 [CDS], Bungartz, F. 9485 [CDS], Weber, W.A. s.n. [CDS], Bungartz, F. 3783 [CDS], Bungartz, F. 3792 [CDS], Bungartz, F. 3860 [CDS], Bungartz, F. 4465 [CDS], Bungartz, F. 4519 [CDS], Bungartz, F. 4539 [CDS], Bungartz, F. 5263 [CDS], Bungartz, F. 5309 [CDS], Bungartz, F. 5342 [CDS], Bungartz, F. 5353 [CDS], Aptroot, A. 63982 [CDS], Aptroot, A. 64360 [CDS], Aptroot, A. 64405 [CDS], Aptroot, A. 64413 [CDS], Aptroot, A. 64466 [CDS], Aptroot, A. 65018 A [CDS], Aptroot, A. 65018 B [CDS], Aptroot, A. 65333 [CDS], Nugra, F. 91 [CDS], Bungartz, F. 6041 [CDS], Bungartz, F. 6418 [CDS], Bungartz, F. 6490 [CDS], Segura, D. s.n [CDS], Segura, D. s.n [CDS], Segura, D. s.n [CDS], Ertz, D. 11655 [CDS], Ertz, D. 11660 [CDS], Ertz, D. 11671 [CDS], Nugra, F. 463 [CDS], Bungartz, F. 7259 [CDS], Bungartz, F. 7937 [CDS], Tehler, A. 8671 [CDS], Tehler, A. 8688 [CDS], Tehler, A. 8702 [CDS], Tehler, A. 8716 [CDS], Tehler, A. 8762 [CDS], Jonitz, H. 7 [CDS]

Dirina pacifica Tehler & Ertz

native, questionably endem., Holotype: S [F210836]; Tehler et al. (2013) described *Dirina pacifica* based on a type from Hawaii, but they also cite specimens from Galapagos and discuss this rather unusually disjunct distribution, pointing out that the Galapagos material is phylogenetically distinct, forming a sister node to specimens analyzed from Hawaii, which might suggest that Galapagos specimens may be a different, although cryptic sister species, source: Weber (1986; reported among/not distinguished from records of *D. approximata*), Aptroot & Sparrius (2008; as *Dirina catalinariae*), Tehler et al. (2013); Bungartz, F. 9487 [CDS], Bungartz, F. 5210 [CDS], Aptroot, A. 65761 [CDS], Aptroot, A. 63294 [CDS], Aptroot, A. 63283 [CDS], Bungartz, F. 3739 [CDS], Bungartz, F. 4796 [CDS], Bungartz, F. 4387 [CDS], Aptroot, A. 65346 [CDS], Aptroot, A. 64012 [CDS], Aptroot, A. 64977 [CDS], Weber, W.A. s.n. [CDS], Bungartz, F. 3849 [CDS], Bungartz, F. 6124 [CDS], Aptroot, A. 63710 [CDS], Bungartz, F. 3442 [CDS], Bungartz, F. 4563 [CDS], Bungartz, F. 5144 [CDS], Bungartz, F. 5400 [CDS], Aptroot, A. 63682 [CDS], Aptroot, A. 64884 [CDS], Bungartz, F. 6088 [CDS], Bungartz, F. 6089 [CDS], Bungartz, F. 6163 [CDS], Bungartz, F. 6164 [CDS], Bungartz, F. 6431 [CDS], Bungartz, F. 6694 [CDS], Bungartz, F. 6936 [CDS], Bungartz, F. 6958 [CDS], Tehler, A. 8693 [CDS], Ertz, D. 11509 [CDS], Ertz, D. 11510 [CDS], Ertz, D. 11647 [CDS], Bungartz, F. 7266 [CDS], Tehler, A. 8600 [CDS], Tehler, A. 8693 [CDS], Tehler, A. 8694 [CDS], Tehler, A. 8726 [CDS], Tehler, A. 8748 [CDS], Tehler, A. 8778 [CDS], Bungartz, F. 9486 A [CDS], Bungartz, F. 9981 A [CDS], Bungartz, F. 3751 [CDS], Aptroot, A. 63708 [CDS], Bungartz, F. 6430 [CDS], Bungartz, F. 3748 [CDS], Aptroot, A. 64437 [CDS]

Dirinaria

Dirinaria aegialita (Afzel. ex Ach.) B.J. Moore

[*Dirinaria aegialita var. aegialita* (Afzel. ex Ach.) B.J. Moore, *Dirinaria aegiliata* (Afzel. ex Ach.) B.J. Moore, *Hagenia aegialita* (Afzel. ex Ach.) Bagl., *Lecanora aegialita* (Afzel. ex Ach.) Ach., *Parmelia aegialita* Afzel. ex Ach., *Physcia aegialita* (Afzel. ex Ach.) Nyl., *Physcia aegialita f. aegialita* (Afzel. ex Ach.) Nyl., *Physcia aegialita f. coccinea* Lynge, *Physcia aegialita var. aegialita* (Afzel. ex Ach.) Nyl., *Physcia aegialita var. obliterata* B. de Lesd., *Physcia aegialita var. saxicola* Räsänen, *Physcia aspera var. alutacea* H. Magn., *Physcia aspera var. aspera* H. Magn.]
source: Dodge (1936), Weber (1966), Elix & McCarthy (1998), Benítez (2016), Benítez et al. (2019; as *Dirinaria* aff. *aegialita* and *Dirinaria aegialita*)); Aptroot, A. 63935 [CDS], Aptroot, A. 64579 [CDS], Aptroot, A. 64020 [CDS], Aptroot, A. 64974 [CDS], Bungartz, F. 8156 [CDS], Bungartz, F. 10551 [CDS], Bungartz, F. 5160 [CDS], Hillmann, G. GAL-80 [CDS]

Dirinaria applanata (Fée) D. D. Awasthi

[*Anaptychia applanata* (Fée) A. Massal., *Dirinaria consimilis var. ochracea* D.D. Awasthi, *Lecanora flavostraminea* (Müll.Arg.) Zahlbr., *Parmelia applanata* Fée, *Parmelia redacta* Stirt., *Physcia applanata* (Fée) Zahlbr., *Physcia flavostramineum* Müll.Arg., *Placodium flavostramineum* Müll.Arg.]
source: Weber (1986), Benítez (2016), Benítez (2019); Bungartz, F. 4085 [CDS], Ertz, D. 11846 [CDS], Simbaña, W. 539 [CDS], Jaramillo, P. 3000 A [CDS], Jaramillo, P. 3011 D [CDS], Jaramillo, P. 3046 B [CDS], Bungartz, F. 7213 [CDS], Bungartz, F. 7618 [CDS], Bungartz, F. 7785 [CDS], Nugra, F. 565 [CDS], Bungartz, F. 8206 [CDS], Bungartz, F. 8207 [CDS], Bungartz, F. 8563 [CDS], Bungartz, F. 8564 [CDS], Aptroot, A. 63068 [CDS], Aptroot, A. 63004 [CDS], Weber, W.A. s.n. [CDS], Aptroot, A. 63287 [CDS], Aptroot, A. 63932 [CDS], Bungartz, F. 3875 [CDS], Bungartz, F. 4451 [CDS], Bungartz, F. 4340 [CDS], Aptroot, A. 64470 [CDS], Aptroot, A. 65371 [CDS], Aptroot, A. 64430 [CDS], Bungartz, F. 6335 [CDS], Bungartz, F. 5158 [CDS], Bungartz, F. 6172 [CDS], Bungartz, F. 6205 [CDS], Bungartz, F. 6222 [CDS], Bungartz, F. 6096 [CDS], Bungartz, F. 6082 [CDS], Bungartz, F. 6453 [CDS], Bungartz, F. 4555 [CDS], Bungartz, F. 6386 [CDS], Bungartz, F. 6048 [CDS], Bungartz, F. 5652 [CDS], Bungartz, F. 6278 [CDS], Bungartz, F. 5046 [CDS], Bungartz, F. 4619 [CDS], Bungartz, F. 4620 [CDS], Bungartz, F. 4633 [CDS], Bungartz, F. 4623 [CDS], Bungartz, F. 6364 [CDS], Bungartz, F. 6369 [CDS], Bungartz, F. 4570 [CDS], Bungartz, F. 6561 [CDS], Bungartz, F. 4858 [CDS], Bungartz, F. 5267 [CDS], Bungartz, F. 5307 [CDS], Bungartz, F. 5092 [CDS], Bungartz, F. 5106 [CDS], Bungartz, F. 5140 [CDS], Bungartz, F. 5128 [CDS], Bungartz, F. 4903 [CDS], Bungartz, F. 4907 [CDS], Bungartz, F. 4660 [CDS], Bungartz, F. 6540 [CDS], Bungartz, F. 6019 [CDS], Bungartz, F. 5963 [CDS], Bungartz, F. 4703 [CDS], Nugra, F. 115 [CDS], Nugra, F. 99 [CDS], Bungartz, F. 6960 [CDS], Bungartz, F. 6982 [CDS], Bungartz, F. 6986 [CDS], Bungartz, F. 7048 [CDS], Ertz, D. 11530 [CDS], Nugra, F. 462 [CDS], Nugra, F. 472 [CDS], Ertz, D. 11736 [CDS], Bungartz, F. 7223 [CDS], Bungartz, F. 7262 [CDS], Bungartz, F. 7331 [CDS], Bungartz, F. 7335 [CDS], Bungartz, F. 7399 [CDS], Bungartz, F. 7520 [CDS], Bungartz, F. 7545 [CDS], Bungartz, F. 7668 [CDS], Bungartz, F. 7893 [CDS], Bungartz, F. 7899 [CDS], Bungartz, F. 7922 [CDS], Bungartz, F. 7934 [CDS], Herrera-Campos, M.A. 10578 [CDS], Herrera-Campos, M.A. 10588 [CDS], Herrera-Campos, M.A. 10603 [CDS], Herrera-Campos, M.A. 10615 [CDS], Herrera-Campos, M.A. 10748 [CDS], Herrera-Campos, M.A. 10813 [CDS], Bungartz, F. 8522 [CDS], Bungartz, F. 8538 [CDS], Bungartz, F. 8668 [CDS], Herrera-Campos, M.A. GAL-458 [CDS], Herrera-Campos, M.A. 10913 A [CDS], Hillmann, G. GAL-150 B [CDS], Hillmann, G. GAL-151 [CDS], Yánez-Ayabaca, A. 1497 [CDS], Nugra, F. 894 [CDS], Spielmann, A.A. 8202 [CDS], Spielmann, A.A. 8203 [CDS], Spielmann, A.A. 8221 [CDS], Spielmann, A.A. 8246 B [CDS], Spielmann, A.A. 8225 [CDS], Spielmann, A.A. 8162 [CDS], Spielmann, A.A. 8208 [CDS], Spielmann, A.A. 8211 [CDS], Yánez-Ayabaca, A. 1599 [CDS], Yánez-Ayabaca, A. 1605 [CDS], Yánez-Ayabaca, A. 1615 [CDS], Yánez-Ayabaca, A. 1616 [CDS], Yánez-Ayabaca, A. 1691 [CDS], Yánez-Ayabaca, A. 1728 [CDS], Bungartz, F. 8890 [CDS], Bungartz, F. 8969 [CDS], Bungartz, F. 9039 [CDS], Bungartz, F. 9041 [CDS], Bungartz, F. 9044 [CDS], Bungartz, F. 9050 [CDS], Bungartz, F. 9057 [CDS], Bungartz, F. 9061 [CDS], Bungartz, F. 9079 [CDS], Bungartz, F. 9130 [CDS], Bungartz, F. 9162 [CDS], Bungartz, F. 9211 [CDS], Bungartz, F. 9377 [CDS], Bungartz, F. 9732 A [CDS], Bungartz, F. 10269 [CDS], Bungartz, F. 9904 [CDS], Bungartz, F. 9534 [CDS], Bungartz, F. 9389 [CDS], Bungartz, F. 9405 [CDS], Bungartz, F. 9404 [CDS], Bungartz, F. 9414 [CDS], Bungartz, F. 9727 C [CDS], Bungartz, F. 3397 [CDS], Spielmann, A.A. 10595 [CDS], Spielmann, A.A. 10707 [CDS], Spielmann, A.A. 10717 [CDS], Spielmann, A.A. 10726 [CDS], Spielmann, A.A. 10728 [CDS], Spielmann, A.A. 10733 [CDS], Spielmann, A.A. 10737 [CDS], Bungartz, F. 10546 [CDS], Bungartz, F. 10537 [CDS], Bungartz, F. 4584 B [CDS], Jonitz, H. 48 A [CDS], Jonitz, H. 52 [CDS], Jonitz, H. 59 A [CDS], Bungartz, F. 5191 [CDS], Bungartz, F. 5657 [CDS], Herrera-Campos, M.A. 10597 [CDS], Yánez-Ayabaca, A. 1724 [CDS]

Dirinaria caesiopicta (Nyl.) D.D. Awasthi

[*Physcia caesiopicta* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 3414 [CDS], Bungartz, F. 5197 [CDS], Aptroot, A. 63703 [CDS], Bungartz, F. 8187 [CDS], Bungartz, F. 9243 [CDS], Bungartz, F. 10216 [CDS]

Dirinaria confluens (Fr.) D. D. Awasthi

[*Dimelaena confluens* (Fr.) Trevis., *Dirinaria confluens var. confluens* (Fr.) D.D. Awasthi, *Parmelia confluens* Fr., *Physcia confluens* (Fr.) Nyl.]
source: Benítez (2016), Benítez et al. (2019; as *Dirinaria* aff. *confluens* and *Dirinaria confluens*), van den Boom et al. (2022); Benítez, A. 18 [HUTPL]

Dirinaria confusa D. D. Awasthi

source: Weber (1986), Benítez (2016); Ertz, D. 12024 [CDS], Nugra, F. 105 [CDS], Jaramillo, P. 3000 B [CDS], Jaramillo, P. 3009 A [CDS], Bungartz, F. 7374 [CDS], Bungartz, F. 7636 [CDS], Weber, W.A. s.n. [CDS], Aptroot, A. 64810 [CDS], Bungartz, F. 3959 [CDS], Bungartz, F. 4346 [CDS], Aptroot, A. 65361 [CDS], Simbaña, W. 542 [CDS], Bungartz, F. 6198 [CDS], Bungartz, F. 6002 [CDS], Bungartz, F. 5138 [CDS], Bungartz, F. 5117 [CDS], Nugra, F. 113 [CDS], Herrera-Campos, M.A. 10678 [CDS], Bungartz, F. 8127 [CDS], Rivas Plata, E. 4009 [CDS], Bungartz, F. 8796 [CDS], Bungartz, F. 8800 [CDS], Bungartz, F. 8903 [CDS], Bungartz, F. 8910 [CDS], Bungartz, F. 9049 [CDS], Bungartz, F. 9157 [CDS], Bungartz, F. 9242 [CDS], Yánez-Ayabaca, A. 1964 [CDS], Bungartz, F. 9716 [CDS], Bungartz, F. 9402 [CDS], Bungartz, F. 9706 [CDS], Bungartz, F. 9715 D [CDS], Bungartz, F. 3347 [CDS], Yánez-Ayabaca, A. 1498 [CDS], Bungartz, F. 7897 [CDS], Spielmann, A.A. 8158 [CDS], Yánez-Ayabaca, A. 1704 [CDS], Bungartz, F. 9946 [CDS], Bungartz, F. 9132 [CDS], Bungartz, F. 9228 [CDS], Bungartz, F. 6368 [CDS], Bungartz, F. 8920 [CDS], Bungartz, F. 8834 [CDS], Bungartz, F. 9708 A [CDS], Bungartz, F. 6022 [CDS], Bungartz, F. 5081 [CDS], Bungartz, F. 8394 [CDS], Bungartz, F. 8952 [CDS], Bungartz, F. 8961 [CDS], Clerc, P. 08-03 [CDS], Yánez-Ayabaca, A. 1667 [CDS], Spielmann, A.A. 8223 [CDS], Spielmann, A.A. 8200 [CDS], Herrera-Campos, M.A. 10761 [CDS], Aptroot, A. 63011 [CDS]

Dirinaria consimilis (Stirt.) D.D. Awasthi

[*Physcia consimilis* Stirt., *Pyxine consimilis* (Stirt.) Stirt.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 4083 [CDS]

Dirinaria leopoldii (Stein) D. D. Awasthi

[*Crocynia leopoldii* Stein]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, one specimen of Weber cited in Awashti (1975): South Plaza, Weber L-40110; Two specimens in COLO (L-40736, L-40762), coll. Itow, source: Awasthi (1975), Elix & McCarthy (1998), Weber (1986); Aptroot, A. 64534 [CDS], Bungartz, F. 5120 [CDS], Ertz, D. 12026 [CDS], Nugra, F. 638 [CDS], Yánez-Ayabaca, A. 1606 [CDS], Bungartz, F. 8915 [CDS], Bungartz, F. 8919 [CDS], Bungartz, F. 9077 [CDS], Bungartz, F. 9136 [CDS], Bungartz, F. 3960 [CDS], Aptroot, A. 65419 B [CDS], Bungartz, F. 9708 B [CDS]

Dirinaria papillulifera (Nyl.) D. D. Awasthi v

[*Physcia papillulifera* Nyl.]
source: Benítez (2016), Benítez et al. (2019); Aptroot, A. 63036 [CDS], Aptroot, A. 65407 [CDS], Bungartz, F. 3541 [CDS], Aptroot, A. 63228 [CDS]

Dirinaria picta (Sw.) Clem. & Schear v

[*Dimelaena picta* (Sw.) Trevis., *Hagenia picta* (Sw.) Bagl., *Lichen pictus* Sw., *Lobaria picta* (Sw.) Raeusch., *Parmelia picta* (Sw.) Ach., *Parmelia plumosa* Taylor, *Physcia picta* (Sw.) Nyl., *Physcia picta f. coccinea* Müll.Arg., *Physcia picta f. erythrocardia* (Tuck.) J.W. Thomson, *Physcia picta f. isidiophora* Nyl., *Physcia picta f. picta* (Sw.) Nyl., *Physcia picta var. coccinea* Müll.Arg., *Physcia picta var. endochroma* H. Magn. & D.D. Awasthi, *Physcia picta var. erythrocardia* Tuck., *Physcia picta var. flavicans* Müll.Arg., *Physcia picta var. picta* (Sw.) Nyl., *Physcia plumosa* (Taylor) Nyl., *Pyxine picta* (Sw.) Tuck., *Pyxine picta var. erythrocardia* Tuck., *Squamaria picta* (Sw.) Ach.]
source: Elix & McCarthy (1998), LeDee (2000), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Benítez (2016), Chuquimarca et al. (2019), Benítez et al. (2019), van den Boom et al. (2022); Aptroot, A. 63028 [CDS], Aptroot, A. 63248 [CDS], Aptroot, A. 63288 [CDS], Bungartz, F. 3539 [CDS], Bungartz, F. 3542 [CDS], Bungartz, F. 3545 [CDS], Aptroot, A. 63934 [CDS], Aptroot, A. 64108 [CDS], Aptroot, A. 65351 [CDS], Bungartz, F. 3344 [CDS], Bungartz, F. 3384 [CDS], Aptroot, A. 64049 [CDS], Bungartz, F. 4462 [CDS], Bungartz, F. 3718 [CDS], Bungartz, F. 3721 [CDS], Aptroot, A. 64232 [CDS], Bungartz, F. 4371 [CDS], Aptroot, A. 65260 [CDS], Bungartz, F. 4070 [CDS], Bungartz, F. 3325 [CDS], Simbaña, W. 546 [CDS], Bungartz, F. 5393 [CDS], Aptroot, A. 64580 A [CDS], Bungartz, F. 6666 [CDS], Aptroot, A. 64092 [CDS], Bungartz, F. 5059 [CDS], Bungartz, F. 4593 [CDS], Bungartz, F. 4600 [CDS], Bungartz, F. 4604 [CDS], Bungartz, F. 4640 [CDS], Bungartz, F. 3725 [CDS], Bungartz, F. 5848 [CDS], Bungartz, F. 4937 [CDS], Bungartz, F. 4678 [CDS], Bungartz, F. 6605 [CDS], Bungartz, F. 4583 [CDS], Bungartz, F. 5920 [CDS], Bungartz, F. 5907 [CDS], Bungartz, F. 5912 [CDS], Bungartz, F. 5925 [CDS], Bungartz, F. 4712 [CDS], Nugra, F. 161 [CDS], Bungartz, F. 6988 [CDS], Ertz, D. 11985 [CDS], Bungartz, F. 7342 [CDS], Bungartz, F. 7357 [CDS], Bungartz, F. 7378 [CDS], Bungartz, F. 7526 [CDS], Bungartz, F. 7729 [CDS], Bungartz, F. 7823 [CDS], Bungartz, F. 7832 [CDS], Bungartz, F. 7971 [CDS], Bungartz, F. 7980 [CDS], Truong, C. 1472 [CDS], Clerc, P. 08-17 [CDS], Herrera-Campos, M.A. 10616 [CDS], Herrera-Campos, M.A. 10730 [CDS], Bungartz, F. 8410 [CDS], Jonitz, H. 29 [CDS], Nugra, F. 882 [CDS], Spielmann, A.A. 8246 A [CDS], Bungartz, F. 9728 A [CDS], Yánez-Ayabaca, A. 1903 [CDS], Yánez-Ayabaca, A. 1935 [CDS], Yánez-Ayabaca, A. 1983 [CDS], Yánez-Ayabaca, A. 2036 [CDS], Yánez-Ayabaca, A. 2078 [CDS], Bungartz, F. 9700 [CDS], Bungartz, F. 9545 [CDS], Bungartz, F. 9807 [CDS], Bungartz, F. 9972 [CDS], Bungartz, F. 9397 [CDS], Bungartz, F. 9819 B [CDS], Bungartz, F. 3720 [CDS], Aptroot, A. 65419 A [CDS], Spielmann, A.A. 10649 [CDS], Ertz, D. 11851 [CDS], Bungartz, F. 9327 [CDS], Bungartz, F. 9553 [CDS], Benítez, A. 20 [HUTPL], Arvidsson... 1972-02-19 [GB]

Distopyrenis

Distopyrenis epidiorygma Etayo et van den Boom v

* = lichenicolous fungi (parasites on living lichens); on *Diorygma*, source: van den Boom et al. (2022)

Dolichousnea

Dolichousnea longissima (Ach.) Articus v

[*Parmelia coralloidea var. longissima* (Ach.) Spreng., *Parmelia longissima* (Ach.) Spreng., *Usnea barbata var. longissima* (Ach.) Schaer., *Usnea longissima* Ach., *Usnea longissima f. longissima* Ach., *Usnea longissima subsp. longissima* Ach., *Usnea longissima var. longissima* Ach.]
problematic, no modern record; the species has often been erroneously been reported from the tropics; most likely misidentifications of *U. mexicana*, source: Müller (1879), Romeguère (1879)

Dolichousnea trichodeoides (Vain. ex Motyka) Articus v

[*Usnea trichodeoides* Motyka]
source: Fernández-Prado et al. (2022)

Dyplolabia

Dyplolabia afzelii (Ach.) A. Massal. v

[*Graphis afzelii* Ach., *Graphis afzelii f. afzelii* Ach., *Graphis afzelii f. atroalba* (Kremp.) Redinger, *Graphis afzelii var. afzelii* Ach., *Graphis afzelii var. nivea* (Fée) Vain.]
source: Weber (1986), Benítez (2016), Benítez et al. (2019); Hillmann, G. GAL-128 [CDS], Bungartz, F. 9634 [CDS]

Echinoplaca

Echinoplaca areolata Lücking & W. R. Buck

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 10019 [CDS], Aptroot, A. 65032 [CDS]

Echinoplaca atrofusca R. Sant. v

source: Lücking (1999, 2008), van den Boom et al. (2022); R. Lücking 96-1090 [WIS], R. Lücking 96-1090 [F]

Echinoplaca atromuralis Lücking v

Holotype QCNE, Lücking 96-431, source: Lücking (2008); Lücking, R. 96-431 [INABIOEC-MECN-QCNE]

Echinoplaca diffluens (Müll.Arg.) R. Sant. v

[*Bacidia diffluens* (Müll.Arg.) Zahlbr., *Patellaria diffluens* Müll.Arg.]
source: Lücking (1999, 2008)

Echinoplaca epiphylla Fée v

source: Lücking (1999, 2008), van den Boom et al. (2022); Lücking, Robert 96-1099 [DUKE], Bungartz, F. 7094 B [CDS], Herrera-Campos, M.A. 10683 A [CDS], Bungartz, F. 8289 C [CDS], Robert Lücking 96-92 [INABIOEC-MECN-QCNE], Robert Lücking 96-706 [INABIOEC-MECN-QCNE], Robert Lücking 96-1100 [INABIOEC-MECN-QCNE], Robert Lücking 96-1198 [INABIOEC-MECN-QCNE]

Echinoplaca epiphylloides Lücking v

Holotype QCNE, Lücking 96-440, source: Lücking (2008); Lücking, R. 96-440 [INABIOEC-MECN-QCNE]

Echinoplaca furcata Sérus.

source: Lücking (1999); R. Lücking 96-174 [WIS], R. Lücking 96-174 [F], Robert Lücking 96-992 [INABIOEC-MECN-QCNE], Robert Lücking 96-713 [INABIOEC-MECN-QCNE]

Echinoplaca furcata subsp. neotropica Lücking

source: Lücking (2008)

Echinoplaca fusconitida Lücking

parasitized by *Gyalideopsis cochlearifera*, source: Lücking (1999, 2008), Etayo (2017); Robert Lücking 96-1181 [INABIOEC-MECN-QCNE], Robert Lücking 96-1123 [INABIOEC-MECN-QCNE], Robert Lücking 96-1125 [INABIOEC-MECN-QCNE]

Echinoplaca handelii (Zahlbr.) Lücking

[*Sporopodium handelii* Zahlbr.]
source: van den Boom et al. (2022)

Echinoplaca intercedens Vězda

source: Lücking (1999, 2008)

Echinoplaca leucotrichoides (Müll.Arg.) R. Sant.

[*Calenia leucotrichoides* Vain.]
source: Lücking (1999, 2008), van den Boom et al. (2022); Bungartz, F. 7064 B [CDS], Bungartz, F. 9663 A [CDS], Bungartz, F. 8635 C [CDS], Bungartz, F. 7085 C [CDS], Bungartz, F. 8626 B [CDS], Bungartz, F. 8625 C [CDS], Bungartz, F. 9666 C [CDS], Bungartz, F. 9664 A [CDS], Bungartz, F. 9662 G [CDS], Bungartz, F. 3942 [CDS], Bungartz, F. 3941 [CDS], Aptroot, A. 64281 [CDS], Bungartz, F. 10971 D [CDS], Robert Lücking 96-91 [INABIOEC-MECN-QCNE], Robert Lücking 96-694 [INABIOEC-MECN-QCNE], Robert Lücking 96-200 [INABIOEC-MECN-QCNE], Robert Lücking 96-898 [INABIOEC-MECN-QCNE], Robert Lücking 96-1149 [INABIOEC-MECN-QCNE]

Echinoplaca lucernifera Kalb & Vězda

source: Lücking (1999, 2008); Bungartz, F. 8281 A [CDS], Bungartz, F. 9666 G [CDS], Bungartz, F. 9662 F [CDS]

Echinoplaca marginata Lücking

source: Lücking (1999, 2008); Robert Lücking 96-1138 [INABIOEC-MECN-QCNE]

Echinoplaca melanotrix Lücking

source: Lücking (1999, 2008)

Echinoplaca pellicula (Müll.Arg.) R. Sant.

[*Arthonia pellicula* Müll.Arg., *Arthonia pellicula f. pellicula* Müll.Arg., *Arthonia pellicula f. trichariosa* Müll.Arg., *Bacidia pellicula* (Müll.Arg.) Zahlbr., *Patellaria pellicula* (Müll.Arg.) Müll.Arg.]
source: Lücking (1999, 2008); Bungartz, F. 8279 C [CDS], Robert Lücking 96-897 [INABIOEC-MECN-QCNE], Robert Lücking 96-434 [INABIOEC-MECN-QCNE]

Echinoplaca similis Kalb & Vězda

source: Lücking (1999, 2008); R. C. Harris 17848 [NY]

Echinoplaca verrucifera Lücking

source: Lücking (1999); Bungartz, F. 7084 A [CDS], Clerc, P. 08-355 B [CDS], Bungartz, F. 8635 B [CDS], Bungartz, F. 8293 C [CDS], Bungartz, F. 7325 D [CDS], Bungartz, F. 8621 B [CDS], Bungartz, F. 8763 C [CDS], Aptroot, A. 64273 B [CDS], Aptroot, A. 64262 [CDS], Bungartz, F. 9666 D [CDS], Bungartz, F. 9663 I [CDS], Bungartz, F. 9662 B [CDS]

Echinoplaca verrucifera f. verrucifera Lücking

source: Lücking (2008)

Emmanuelia

Emmanuelia erosa (Eschw.) Lücking, M. Cáceres & Ant. Simon

[*Lobaria erosa* (Eschw.) Trevisan, *Lobaria quercizans f. erosa* (Eschw.) Malme, *Lobaria quercizans var. erosa* (Eschw.) Vain., *Parmelia erosa* Eschw., *Ricasolia dissecta subsp. erosa* (Eschw.) Nyl., *Ricasolia erosa* (Eschw.) Nyl., *Sticta erosa* (Eschw.) Tuck.]
source: Benítez et al. (2012, 2015), Chuquimarca et al. (2019); Benítez, A. 271 [HUTPL]

Emmanuelia ornata (Malme) Lücking, Moncada & Bungartz

[*Lobaria ornata* Malme]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, previous Galapagos reports of *Lobaria patinifera* or *L. dissecta* according to Simon et al. (2020) refer to *Emmanuelia ornata*, source: Weber (1986), Elix & McCarthy (1998), Simon et al. (2020); Moncada, B. 8489 B [CDS], Moncada, B. 8490 [CDS], Bungartz, F. 10972 [CDS], Moncada, B. 8492 [CDS], Moncada, B. 8489 A [CDS]

Emmanuelia tenuis (Vain.) Lücking, Moncada & Gumboski

[*Lobaria tenuis* Vain.]
parasitized by *Dactylospora lobariella*, source: Nöske et al. (2007), Benítez et al. (2012, 2015), Benítez (2016), Etayo (2017); Benítez, A. 272 [HUTPL]

Enchylium

Enchylium conglomeratum (Hoffm.) Otálora, P.M. Jørg. & Wedin

[*Collema conglomeratum* Hoffm., *Collema pycnocarpum* Nyl., *Gabura conglomerata* (Hoffm.) Kuntze, *Lethagrium conglomeratum* (Hoffm.) Rabenh., *Synechoblastus conglomeratus* (Hoffm.) Körb., *Synechoblastus cyrtaspis* (Tuck.) Fink]
Andersson... 551b [GB], Arvidsson... 2235c [GB]

Enchylium tenax (Sw.) Gray

[*Collema auriculatum var. ceranoides* (Borrer) Nyl., *Collema ceranoides* Borrer, *Collema crispum subsp. ceranoides* (Borrer) Nyl. ex Cromb., *Collema crispum var. cristatulum* Nyl. ex Cromb., *Collema pulposum* (Bernh.) Ach., *Collema pulposum f. compactum*, *Collema pulposum f. hydrocharum*, *Collema pulposum f. papulosum* Schaer., *Collema pulposum f. pulposum* (Bernh.) Ach., *Collema pulposum var. ceranoides* (Borrer) Leight., *Collema pulposum var. compactum* (Ach.) Nyl., *Collema pulposum var. confertum* Harm., *Collema pulposum var. corallinum* A. Massal., *Collema pulposum var. cristatum*, *Collema pulposum var. diffractoareolatum* Schaer., *Collema pulposum var. ligerinum* Hy, *Collema pulposum var. pulposulum* (Nyl.) Cromb., *Collema pulposum var. pulposum* (Bernh.) Ach., *Collema pulposum var. tenax* (Sw.) Nyl., *Collema pulposum var. uniseptatum* Zahlbr., *Collema pulposum var. vulgare* Schaer., *Collema tenax* (Sw.) Ach., *Collema tenax f. tenax* (Sw.) Ach., *Collema tenax var. ceranoides* (Borrer) Degel., *Collema tenax var. corallinum* (A. Massal.) Degel., *Collema tenax var. coronatum* Körb., *Collema tenax var. tenax* (Sw.) Ach., *Collema tenax var. vulgare* (Schaer.) Degel., *Eucollema ceranoides* (Borrer) Horw., *Eucollema ceranoides f. ceranoides* (Borrer) Horw., *Eucollema ceranoides f. cristatulum* (Nyl. ex Cromb.) Horw., *Leptogium palmatum f. corallinum* (A. Massal.) Zahlbr.]
source: Castillo-Monroy et al. (2016)

Endocarpon

Endocarpon nigromarginatum H. Harada

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 64016 [CDS], Ertz, D. 11902 [CDS]

Endocarpon pallidulum (Nyl.) Nyl.

[*Verrucaria pallidula* Nyl.]

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 7054 [CDS], Aptroot, A. 64031 [CDS], Aptroot, A. 65157 [CDS], Bungartz, F. 8455 [CDS], Bungartz, F. 6527 [CDS]

Endocarpon petrolepideum (Nyl.) Hasse

[*Verrucaria petrolepidea* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 65471 [CDS], Bungartz, F. 4665 [CDS]

Endocarpon pusillum Hedw.

[*Dermatocarpon pusillum* (Hedw.) Anzi, *Dermatocarpon pusillum var. pusillum* (Hedw.) Anzi, *Dermatocarpon sorediatum* (Borrer) Arnold, *Dermatocarpon trapeziforme* (J. König) Trevis., *Endocarpon hedwigii* (Ach.) Ach. nom. illegit., *Endocarpon pusillum var. pusillum* Hedw., *Endocarpon sorediatum* (Borrer) Hook., *Endocarpon trapeziforme* (J. König) Flagey, *Endopyrenium pusillum* (Hedw.) Schwend., *Endopyrenium pusillum var. pallidum* Körb., *Endopyrenium pusillum var. pusillum* Körb., *Endopyrenium trapeziforme* (J. König) Stein, *Leightonia pusilla* (Hedw.) Garov., *Lichen trapeziformis* J. König, *Placidium trapeziforme* (J. König) Arnold, *Verrucaria sorediata* Borrer, *Verrucaria trapeziformis* (J. König) Schrad.]
source: Elix & McCarthy (1998), Weber (1986), Castillo-Monroy et al. (2016); Ertz, D. 11947 [CDS], Bungartz, F. 4306 [CDS], Bungartz, F. 4159 [CDS], Bungartz, F. 3587 [CDS], Bungartz, F. 6707 [CDS], Bungartz, F. 10212 [CDS], Aptroot, A. 64880 [CDS], Aptroot, A. 65166 [CDS], Bungartz, F. 4818 [CDS]

Endococcus

Endococcus apicicola (J. Steiner) R. Sant.

[*Endococcus alpestris* D. Hawksw., *Sorothelia apicicola* J. Steiner]
* = lichenicolous fungi (parasites on living lichens); on *Usnea sphacelata* & *Usnea* sp., source: Etayo (2017); J. Etayo 17268 [hb. Etayo], Etayo, J. 20073 [hb. Etayo], Etayo, J. 25504 [hb. Etayo], Etayo, J. 25753 [hb. Etayo], Etayo, J. 27014 [hb. Etayo]

Endococcus oropogonicola Etayo

* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp., & *Oropogon* sp., source: Etayo (2017); Etayo, J. 20074 [hb. Etayo], J. Etayo 25563 [hb. Etayo]

Endococcus parmeliarum Etayo

* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp. and *Anzia* sp., source: Etayo (2017); Etayo, J. 20016 [hb. Etayo], Etayo, J. 20098 [hb. Etayo], Etayo, J. 25711 [hb. Etayo], Etayo, J. 25883 [hb. Etayo]

Endococcus sipmanii Etayo

* = lichenicolous fungi (parasites on living lichens); on *Heterodermia lamelligera*, source: Etayo (2017)

Endophragmiella

Endophragmiella franconica Brackel & Markovsk.

* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp., source: Etayo (2017; as *E.* aff. *franconica*); Etayo, J. 20163 [hb. Etayo], Etayo, J. 25460 [hb. Etayo], Etayo, J. 25502 [hb. Etayo]

Enterographa

Enterographa compunctula (Nyl.) Redinger

[*Chiodecton compunctulum* (Nyl.) Müll.Arg., *Stigmatidium compunctulum* Nyl.]
source: Benítez et al. (2019); Benítez, A. 22 [HUTPL]

Enterographa epigraphis Etayo & Sipman

* = lichenicolous fungi (parasites on living lichens); on *Graphis sitiana*, Holotype B, Sipman 52678a, source: Etayo (2017)

Enterographa leucolyta (Nyl.) Redinger

[*Chiodecton leucolytum* (Nyl.) Zahlbr., *Enterographa praepallens* (Nyl.) Redinger, *Stigmatidium leucolytum* Nyl., *Stigmatidium praepallens* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 63270 [CDS]

Enterographa pallidella (Nyl.) Redinger

[*Chiodecton pallidellum* (Nyl.) Vain., *Platygrapha pallidella* Nyl.]
source: van den Boom et al. (2022); Aptroot, A. 63005 [CDS], Aptroot, A. 63060 [CDS], Aptroot, A. 63067 [CDS], Bungartz, F. 3786 [CDS], Bungartz, F. 3789 [CDS], Bungartz, F. 3790 [CDS]

Enterographa quassiicola Fée

source: Benítez et al. (2019); Benítez, A. 23 [HUTPL]

Enterographa subgelatinosa (Stirt.) Redinger

[*Chiodecton subgelatinosum* (Stirt.) Müll. Arg., *Platygrapha subgelatinosa* Stirt.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 3829 [CDS]

Enterographa tropica Sparrius

source: van den Boom et al. (2022)

Epicladonia

Epicladonia sandstedei (Zopf) D. Hawksw.

[*Diplodina sandstedei* Zopf]
* = lichenicolous fungi (parasites on living lichens); on *Cladonia coccifera* agg. & *Cladonia* sp., source: Etayo (2017); Etayo, J. 19993 [hb. Etayo], Etayo, J. 25930 [hb. Etayo]

Epigloea

Epigloea medioincrassata (Grumm.) Döbbeler

[*Vorarlbergia medioincrassata* Grummann]
* = lichenicolous fungi (parasites on living lichens); on *Dictyonema* sp., source: Etayo (2017); Etayo, J. 26977 [hb. Etayo], Etayo, J. 27043 [hb. Etayo], Etayo, J. 27021 [hb. Etayo]

Epithamnolia

Epithamnolia atrolazulina (Etayo) Diederich

[*Hainesia atrolazulina* Etayo]
* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp., Holotype hb. Etayo, Etayo 15842, source: Etayo (2017)

Epithamnolia rugosopycnidiata Etayo & Flakus

* = lichenicolous fungi (parasites on living lichens); on *Lobariella pallida*, source: Flakus et al. (2019)

Eremothecella

Eremothecella calamicola Syd. & P. Syd.

[*Arthoniopsis calamicola* (Syd. & P. Syd.) Szatala]
source: Lücking (1999, 2008); Robert Lücking 96-937 [INABIOEC-MECN-QCNE]

Erioderma

Erioderma barbellatum P.M. Jørg. & Arv.

Holotype GB, Arvidsson & Arvidsson 4456, source: Jørgensen & Arvidsson (2002); Arvidsson, L.... 4456 [GB], Arvidsson... 7214 [GB], Arvidsson... 7220 [GB], Arvidsson... 1684 [GB], Arvidsson... 1678 [GB], Arvidsson... 6904 [GB], Molau... 2921 [GB], Lindström... 1996 [GB], Arvidsson, L.... 5721 [GB], Arvidsson... 6989 [GB], Arvidsson... 6557 [GB], Lindström... 2332 [GB], Arvidsson... 1634 [GB], Arvidsson... 1722 [GB], Arvidsson... 1716 [GB], Arvidsson... 1717 [GB], Arvidsson... 4446 [GB], Arvidsson... 4449 [GB], Arvidsson... 4557 [GB], Arvidsson... 4454 [GB], Arvidsson... 4448 [GB], Arvidsson... 4162 [GB], Arvidsson... 4791 [GB], Arvidsson... 2117 [GB], Arvidsson... 1750 [GB], Arvidsson... 1748 [GB], Arvidsson... 3409 [GB], Løjtnant... 12846 [GB], Løjtnant... 12769 [GB], Løjtnant... 13014 [GB], Holm-Nielsen... 17922 [GB]

Erioderma cyathophorum P.M. Jørg. & Arv.

Holotype GB, Arvidsson & Arvidsson 4433, source: Jørgensen & Arvidsson (2002, 2004); K. Kalb s.n. [WIS], K. Kalb & A. Kalb 1987-08-28 [UPS], K. Kalb, A. Kalb 1987-08-28 [O], L. Arvidsson... 4442 [BG], K. Kalb, A. 1987-08-28 [BG], 111942 [TNS], Arvidsson... 4441 [GB], Arvidsson, L.... 4433 [GB], Arvidsson... 4436 [GB], Arvidsson... 4437 [GB], Arvidsson... 4435 [GB], Arvidsson... 4438 [GB], Arvidsson... 4439 [GB], Arvidsson... 4440 [GB], Arvidsson... 4442 [GB], Arvidsson... 4443 [GB], Arvidsson... 4444 [GB], Arvidsson... 4451 [GB], Arvidsson... 4453 [GB], Lars Arvidsson... 1679 [GB], Lars Arvidsson... 1680 [GB], Lars Arvidsson... 1723 [GB], Lars Arvidsson... 1724 [GB], Lars Arvidsson... 1725 [GB], Lars Arvidsson... 1726 [GB], Lars Arvidsson... 1727 [GB], Lars Arvidsson... 1728 [GB], Arvidsson, Lars et al. 5747 [GB], Arvidsson... 1885b [GB], Arvidsson, Lars et al. 6987 [GB]

Erioderma divisum P.M. Jørg. & Arv.

parasitized by *Capronia amylacea*, source: Etayo (2017), Nöske et al. (2007), Jørgensen & Arvidsson (2002), Parolly & Kürschner (2004; as *Everniastrum divisum* P.M. Jørg. & Arv. - a name that doesn't exist); Arvidsson... 2112a [GB], Arvidsson... 2112b [GB], Arvidsson... 2112c [GB], Arvidsson... 2112e [GB], Arvidsson... 2111a [GB], Arvidsson... 2112d [GB], Arvidsson... 2111b [GB], Arvidsson, L.; Nilson, D. 2114 [GB], Andersson, Lennart 978 [GB], Løjtnant... 12717 [GB], Arvidsson... 1636 [GB], Arvidsson... 4303 [GB], Arvidsson... 1677 [GB], Arvidsson... 4685 [GB], Arvidsson... 6991 [GB], Etayo, J. 25720 [hb. Etayo]

Erioderma glabrum P.M. Jørg.

source: Nöske et al. (2007), Mandl (2007), Jorgensen & Arvidsson (2002); Arvidsson... 2104 [GB], Arvidsson... 2099 [GB], Arvidsson... 2100 [GB], Arvidsson... 2007 [GB], Arvidsson... 1987 [GB], Arvidsson... 4628 [GB], Arvidsson... 4733 [GB], Arvidsson... 4459 [GB], Arvidsson... 4696 [GB]

Erioderma gloriosum P.M. Jørg. & Arv.

Holotype GB, Arvidsson & Nilson 2127, source: Jørgensen & Arvidsson (2002); Arvidsson... 6070 [GB], Lindström... 1995 [GB], Arvidsson... 6906 [GB], Arvidsson... 7217 [GB], Arvidsson... 4447 [GB], Arvidsson... 6993 [GB], Arvidsson... 6992 [GB], Arvidsson... 1673a [GB], Arvidsson... 1718 [GB], Arvidsson... 1683 [GB], Arvidsson... 1632 [GB], Arvidsson... 4455 [GB], Arvidsson... 4301 [GB], Ståhl, Bertil 299 [GB], Arvidsson... 4631 [GB], Arvidsson... 1259 [GB], Arvidsson... 1334 [GB], Arvidsson... 2116 [GB], Arvidsson... 2124 [GB], Arvidsson... 2126 [GB], Arvidsson... 2125 [GB], Arvidsson... 1788 [GB], Arvidsson... 1747 [GB], Arvidsson... 6952 [GB], Andersson, Lennart 665 [GB], Arvidsson... 4683 [GB], Arvidsson... 4684 [GB], Arvidsson... 3413 [GB]

Erioderma granulosum P.M. Jørg. & Arv.

parasitized by *Niesslia evae*, Holotype GB, Arvidsson & Nilson 2107, source: Etayo (2017), Nöske et al. (2007), Jørgensen & Arvidsson (2001, 2002); Arvidsson, L.; Nilson, D. 2107 [GB], Arvidsson... 6901 [GB], Arvidsson... 6902 [GB], Arvidsson... 6903 [GB], Arvidsson... 7216 [GB], Arvidsson... 4304 [GB], Arvidsson... 1983-07-09 [GB], Arvidsson... 1932a [GB], Arvidsson... 1942 [GB], Arvidsson... 4210 [GB], Arvidsson... 1580 [GB], Arvidsson... 1983-07-11 [GB], Arvidsson... 1638 [GB], Arvidsson... 1676a [GB], Arvidsson... 1745 [GB], Arvidsson... 6953 [GB], Arvidsson... 6996 [GB], Arvidsson... 3475 [GB], Arvidsson... 3412 [GB], Arvidsson... 5820 [GB], Arvidsson... 5896 [GB], Arvidsson... 5860 [GB], Arvidsson... 1874 [GB], Arvidsson... 3693 [GB], Arvidsson... 3676 [GB], Arvidsson... 1262 [GB], Arvidsson... 4639 [GB], Arvidsson... 4634 [GB], Arvidsson... 2117 [GB], Arvidsson... 2118 [GB], Arvidsson... 2113 [GB], Arvidsson... 4743 [GB], Arvidsson... 4742 [GB], Arvidsson... 4818 [GB], Arvidsson... 2342 [GB], Arvidsson... 2341 [GB], Arvidsson... 1979-02-21 [GB], Arvidsson, L.; Nilson, D. 2121 [GB], Arvidsson... 2120 [GB]

Erioderma laminisorediatum P.M. Jørg. & Arv.

Holotype GB, Arvidsson et al. 5720, source: Jørgensen & Arvidsson (2001, 2002); Arvidsson, L.... 5720 [GB], Arvidsson... 6994 [GB], Arvidsson... 981 [GB], Arvidsson... 2114 [GB], Arvidsson... 4632 [GB]

Erioderma leylandii (Taylor) Müll. Arg.

[*Cetraria eriophylla* (C. Knight) Zahlbr., *Erioderma knightii* Shirley, *Erioderma leylandii subsp. azoricum* P.M. Jørg. & P. James, *Erioderma leylandii subsp. leylandii* (Taylor) Müll. Arg., *Erioderma leylandii subsp. velligerum* (Tuck.) P.M. Jørg., *Platysma eriophyllum* C. Knight, *Sticta leylandii* Taylor]
source: Jørgensen & Arvidsson (2002); Arvidsson... 2169 [GB], Arvidsson... 6810 [GB], Ståhl, Bertil et.al. 493 [GB], Ståhl, Bertil 307 [GB], Arvidsson... 2230 [GB], Andersson, Lennart 350 [GB], Lindström, Marie 1028 [GB]

Erioderma marcellii P.M. Jørg. & Arv.

source: Jørgensen & Arvidsson (2001, 2002); Arvidsson... 3492 [GB], Arvidsson... 1983-06-21 [GB], Arvidsson... 1875 [GB], Arvidsson... 6997 [GB], Arvidsson... 4409 [GB], Arvidsson... 1934 [GB], Arvidsson... 1932b [GB], Arvidsson... 1943 [GB], Arvidsson... 1581 [GB], Arvidsson... 2105 [GB], Arvidsson... 2339 [GB], Arvidsson... 5623 [GB], Arvidsson... 3694 [GB], Etayo, J. 25717 [hb. Etayo]

Erioderma mollissimum (Samp.) Du Rietz

[*Lobaria mollissima* Samp.]
source: Nöske & Sipman (2004), Nöske et al. (2007); Jørgensen & Arvidsson (2002); Aptroot, A. 65548 [CDS], Arvidsson... 4641 [GB], Arvidsson... 4642 [GB], Arvidsson... 4643 [GB], Arvidsson... 4644 [GB], Arvidsson... 4562 [GB], Arvidsson... 2338 [GB], Arvidsson... 2106 [GB], Arvidsson... 2165 [GB], Arvidsson... 1749b [GB]

Erioderma nilsonii P.M. Jørg. & Arv.

Holotype GB, Arvidsson 2119, source: Jørgensen & Arvidsson (2001, 2002); Arvidsson, L.... 1639 [GB], Arvidsson... 1675a [GB], Arvidsson... 1676b [GB], Arvidsson... 1715 [GB], Arvidsson... 4299 [GB], Arvidsson... 4306 [GB], Arvidsson... 7215 [GB], Arvidsson, L.... 2119 [GB], Arvidsson... 1786 [GB], Arvidsson... 6995 [GB], Etayo, J. 25721 [hb. Etayo]

Erioderma pallidum P.M. Jørg & Arv. nom. nud.

[*Erioderma wrightii f. pallidum* Nyl.]
R.C. Harris 17266 [BG], R.C. Harris 17240 [BG], R.C. Harris 17313 [BG]

Erioderma papyraceum P.M. Jørg. & Arv.

Holotype GB, Andersson 277, source: Jørgensen & Arvidsson (2002), Nöske et al. (2007); Andersson, Lennart 277 [GB]

Erioderma polycarpum Fée

problematic, no modern record, source: Leighton (1866), Cevallos (2012)

Erioderma pycnidiiferum P.M. Jørg. & Arv.

Holotype GB, Arvidsson & Nilson 2134, source: Jørgensen & Arvidsson (2002), van den Boom et al. (2022); COLO-L-0071596 [COLO], L. Arvidsson, Dan Nilsson 2134 [BG], Arvidsson... 2123 [GB], Arvidsson... 3840 [GB], Arvidsson... 3882 [GB], Arvidsson... 3883 [GB], Arvidsson... 3884b [GB], Arvidsson... 3741 [GB], Arvidsson... 5530 [GB], Arvidsson... 6736d [GB], Arvidsson... 6736b [GB], Arvidsson... 6615 [GB], Arvidsson... 6776 [GB], GB-0202529 1979-02-15 [GB], Arvidsson... 2128 [GB], Arvidsson... 2130 [GB], Arvidsson... 2131 [GB], Arvidsson... 2132 [GB], Arvidsson... 2133 [GB], Arvidsson... 2134 [GB], Arvidsson... 2135 [GB], Arvidsson... 4637 [GB], Arvidsson... 4630 [GB], Arvidsson... 4635 [GB], Arvidsson... 1261 [GB], Arvidsson... 1777 [GB], Arvidsson... 1782 [GB], Arvidsson... 1783 [GB], Arvidsson... 1785 [GB], Arvidsson... 1746 [GB], Arvidsson... 6988 [GB], Arvidsson... 7221 [GB], Arvidsson... 7218 [GB], Arvidsson... 1714 [GB], Arvidsson... 1674 [GB], Arvidsson... 4445 [GB], Arvidsson... 6558 [GB], Arvidsson... 6476 [GB], Arvidsson... 6472 [GB], Etayo, J. 25693 [hb. Etayo]

Erioderma sinuatum P.M. Jørg. & Arv.

Holotype GB, Arvidsson & Nilson 2120, source: Jørgensen & Arvidsson (2002, 2004); L. Arvidsson, Dan Nilsson 2120 [BG], Arvidsson, L.; Nilson, D. 2120 [GB], Arvidsson... 4740 [GB], Arvidsson... 2115 [GB], Arvidsson... 4640 [GB], Arvidsson... 2111 [GB]

Erioderma sorediatum D. J. Galloway & P.M. Jørg.

source: Jørgensen & Arvidsson (2002); Aptroot, A. 63154 [CDS], Aptroot, A. 63392 [CDS], Aptroot, A. 63902 [CDS], Aptroot, A. 64654 [CDS], Bungartz, F. 3975 [CDS], Nugra, F. 425 [CDS], Bungartz, F. 6831 [CDS], Bungartz, F. 6873 [CDS], Clerc, P. 08-106 [CDS], Bungartz, F. 8139

[CDS], Bungartz, F. 8148 [CDS], Bungartz, F. 8351 [CDS], Bungartz, F. 8588 [CDS], Dal-Forno, M. 1217 [CDS], Bungartz, F. 9518 [CDS], Bungartz, F. 10272 [CDS], Yánez-Ayabaca, A. 2056 A [CDS]

Erioderma unguigerum (Bory) Nyl.

[*Lichen unguigerus* Bory, *Malmella unguigera* (Bory) C.W. Dodge, *Nephroma unguigera* (Bory) Ach.]
problematic, no modern record, source: Leighton (1866)

Erioderma verruculosum Vain.

source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Mandl (2007), Jørgensen & Arvidsson (2002); K. Kalb 18629 [WIS], K. Kalb 18630 [WIS], Arvidsson... 3408 [GB], Arvidsson... 3410 [GB], Arvidsson... 2168 [GB], Arvidsson... 4682 [GB], Arvidsson... 4100 [GB], Arvidsson... 6391 [GB], Arvidsson... 6471 [GB], Andersson, Lennart 167 [GB], Arvidsson... 1749 [GB], Arvidsson... 1843 [GB], Arvidsson... 1885a [GB], Arvidsson... 1873 [GB], Arvidsson... 1784 [GB], Arvidsson... 1871 [GB], Arvidsson... 1872 [GB], Arvidsson... 6950 [GB], Arvidsson, Lars et al. 6990 [GB], Arvidsson... 3740 [GB], Arvidsson... 3838 [GB], Arvidsson... 3839 [GB], Arvidsson... 3870 [GB], Arvidsson... 6736a [GB], Arvidsson... 6780 [GB], Lars Arvidsson... 2112 [GB], Lars Arvidsson... 2113 [GB], Lars Arvidsson... 2118 [GB], Lars Arvidsson... 2136 [GB], Arvidsson... 4744 [GB], Arvidsson... 4741 [GB], Arvidsson... 2190 [GB], Arvidsson... 4638 [GB], Ståhl, Bertil 298 [GB], Arvidsson... 306 [GB], Arvidsson... 307 [GB], Arvidsson... 308 [GB], Arvidsson... 309 [GB], Arvidsson... 310 [GB], Arvidsson... 390 [GB], Arvidsson... 3970 [GB], Arvidsson... 3999 [GB], Arvidsson... 4000 [GB], Arvidsson... 4041 [GB], Arvidsson... 3909 [GB], Harling, G. 524 [GB], Andersson... 401 [GB], Arvidsson... 3952 [GB], Arvidsson... 1682 [GB], Arvidsson... 1702 [GB], Arvidsson... 1729 [GB], Arvidsson... 1730 [GB], Arvidsson... 1685 [GB], Arvidsson... 1633 [GB], Arvidsson, L.; Nilson, D. 1933 [GB], Arvidsson... 4302 [GB], Arvidsson... 4450 [GB], Arvidsson... 7219 [GB], Arvidsson... 6900 [GB], Arvidsson... 6905 [GB], GB-0202640 1985-02-27 [GB], Etayo, J. 25712 [hb. Etayo], Etayo, J. 26326 [hb. Etayo]

Erioderma wrightii Tuck.

source: Jørgensen & Arvidsson (2002); Arvidsson... 3850 [GB], Arvidsson... 3850 [GB], Arvidsson... 2162 [GB], Arvidsson... 2163 [GB], Arvidsson... 2164 [GB], Arvidsson... 2167 [GB], Arvidsson... 1841 [GB], Arvidsson... 1842 [GB], Arvidsson... 1844 [GB], Arvidsson... 1845 [GB], Arvidsson... 1870 [GB], Arvidsson... 313 [GB], Arvidsson... 314 [GB], Arvidsson... 312 [GB], Arvidsson, L.... 275 [GB], Arvidsson... 311 [GB], Arvidsson... 4002 [GB], Arvidsson... 557 [GB], Andersson, Lennart 768 [GB], Andersson, Lennart 861 [GB], Andersson... 400 [GB], Arvidsson... 6473 [GB], Arvidsson... 6474 [GB], Arvidsson... 6475 [GB], Arvidsson... 4101 [GB], Arvidsson... 6390 [GB]

Erythricium

Erythricium aurantiacum (Lasch) D. Hawksw. & A. Henrici

[*Illosporium aurantiacum* Lasch, *Marchandiobasidium aurantiacum* (Lasch) Diederich & Schultheis, *Marchandiomyces aurantiacus* (Lasch) Diederich & Etayo]
* = lichenicolous fungi (parasites on living lichens); on *Physcia* sp. & *Heterodermia* sp., source: Etayo (2017); Etayo, J. 25512 [hb. Etayo], J. Etayo 25600 [hb. Etayo]

Eschatogonia

Eschatogonia dissecta Timdal & R. Sant.

Klara Scharnagl 1873 [MSC], Klara Scharnagl 1942 [MSC], Klara Scharnagl 2098 [MSC]

Eschatogonia minuta Timdal & R. Sant.

Klara Scharnagl 1839 [MSC]

Eschatogonia prolifera (Mont.) R. Sant.

[*Biatora prolifera* Mont., *Eschatogonia montagnei* Trevis.]
source: van den Boom et al. (2022); Klara Scharnagl 2241 [MSC], Klara Scharnagl 1852 [MSC], Klara Scharnagl 2261 [MSC], Klara Scharnagl 1843 [MSC], Klara Scharnagl 2248 [MSC], Klara Scharnagl 1893 [MSC], Klara Scharnagl 1898 [MSC], Klara Scharnagl 1899 [MSC], Klara Scharnagl 1912 [MSC], Klara Scharnagl 1915 [MSC], Klara Scharnagl 1980 [MSC], Klara Scharnagl 1992 [MSC], Klara Scharnagl 2012 [MSC], Klara Scharnagl 2030 [MSC], Klara Scharnagl 2043 [MSC], Klara Scharnagl 2049 [MSC], Klara Scharnagl 2103 [MSC], Klara Scharnagl 2177 [MSC], Klara Scharnagl 2187 [MSC], Klara Scharnagl 2209 [MSC], Klara Scharnagl 2234 [MSC], Klara Scharnagl 1902b [MSC], Klara Scharnagl 2180a [MSC]

Etayoa

Etayoa trypethelii (Flakus & Kukwa) Diederich & Ertz

[*Phaeosporobolus trypethelii* Flakus & Kukwa]
* = lichenicolous fungi (parasites on living lichens); on cf. *Pertusaria* and *Graphis sitiana*, source: Etayo (2017, 2020), van den Boom et al. (2022)

Eugeniella

Eugeniella corallifera (Lücking) Lücking, Sérus. & Kalb

[*Bacidia corallifera* Lücking]
source: Lücking (1999, 2008); Lücking (1999); R. Lücking 96-557 [WIS], R. Lücking 96-557 [F], R. Lücking 96-557 [BG]

Eugeniella leucocheila (Tuck.) Lücking, Sérus. & Kalb

[*Biatora leucocheila* (Tuck.) Tuck., *Byssoloma leucocheilum* (Tuck.) Zahlbr., *Byssoloma wettsteinii* (Zahlbr.) Zahlbr., *Eugeniella wettsteinii* (Zahlbr.) Lücking, Sérus. & Kalb, *Lecidea leucocheila* Tuck., *Pilocarpon wettsteinii* Zahlbr.]
source: Lücking (1999, 2008), van den Boom et al. (2022); Robert Lücking 96-503 [INABIOEC-MECN-QCNE], Robert Lücking 96-118 [INABIOEC-MECN-QCNE], Robert Lücking 96-348 [INABIOEC-MECN-QCNE], Lücking, R. 96-347 [QCAM], Lücking, R. 96-502 [QCAM], Lücking, R. 96-811 [QCAM]

Eugeniella ortizii (Lücking) Lücking, Sérus. & Kalb

[*Byssoloma ortizii* Lücking]
source: Lücking (1999, 2008); Bungartz, F. 7308 [CDS]

Eugeniella psychotriae (Müll. Arg.) Lücking, Sérus. & Kalb

[*Bacidia psychotriae* (Müll.Arg.) Zahlbr., *Patellaria psychotriae* Müll.Arg.]
source: Lücking (1999, 2008); Lücking, R. 96-820 [QCAM]

Everniopsis

Everniopsis trulla (Ach.) Nyl.

[*Borrera trulla* (Ach.) Ach., *Evernia trulla* (Ach.) Nyl., *Parmelia trulla* Ach.]
parasitized by *Microsphaeropsis olivacea* & *Nigromacula uniseptata*, source: Etayo (2017); H. Balslev 1520 [ASU], Balslev, H. 1520 [MIN], Balslev, H. 1520 [DUKE], Arvidsson... 7048 [GB], Arvidsson... 7011 [GB], Arvidsson... 7007 [GB], Arvidsson... 1524 [GB], Lindström, Marie 965 [GB], Arvidsson... 6130 [GB], Arvidsson... 5950 [GB], Etayo, J. 20059 [hb. Etayo], Etayo, J. 20067 [hb. Etayo], Etayo, J. 20076 [hb. Etayo], Etayo, J. 25883 [hb. Etayo], Etayo, J. 25884 [hb. Etayo]

Fellhanera

Fellhanera bouteillei (Desmaz.) Vězda

[*Bacidia bouteillei* (Desm.) Hulting, *Biatora bouteillei* (Desm.) A. Massal., *Biatorina bouteillei* (Desm.) Bausch, *Biatorina littorella* (Nyl.) A.L. Sm., *Bilimbia bouteillei* (Desm.) Hulting, *Catillaria bouteillei* (Desm.) Zahlbr., *Catillaria bouteillei f. abieticola* (Nyl.) Vain., *Catillaria bouteillei f. bouteillei* (Desm.) Zahlbr., *Catillaria bouteillei f. degenerans* Vain., *Catillaria bouteillei f. hohenbuehelii* (Poetsch) Vain., *Lecanora bouteillei* (Desm.) Harm., *Lecidea bouteillei* (Desm.) Nyl., *Lecidea littorella* Nyl., *Parmelia bouteillei* Desm.]
source: Lücking (1999, 2008); Aptroot, A. 63151 [CDS], Bungartz, F. 7321 B [CDS], Aptroot, A. 64313 [CDS]

Fellhanera dictyospora Lücking

source: van den Boom et al. (2022)

Fellhanera emarginata Lücking

source: Lücking (1999, 2008); Robert Lücking 96-1010 [INABIOEC-MECN-QCNE]

Fellhanera encephalarti (Vězda) Vězda

[*Catillaria encephalarti* Vězda]
native, indigenous; Bungartz, F. 5014 A [CDS], Bungartz, F. 5013 C [CDS], Bungartz, F. 5015 D [CDS]

Fellhanera fuscatula (Müll.Arg.) Vězda

[*Bacidia fuscatula* (Müll.Arg.) Zahlbr., *Bilimbia fuscatula* (Müll. Arg.) Szatala, *Patellaria fuscatula* Müll.Arg.]
source: Lücking (1999, 2008); Robert Lücking 96-137 [INABIOEC-MECN-QCNE], Robert Lücking 96-550 [INABIOEC-MECN-QCNE], Robert Lücking 96-1188 [INABIOEC-MECN-QCNE]

Fellhanera lisowskii (Vězda) Vězda

[*Bacidia lisowskii* Vězda]
source: Lücking (1999, 2008)

Fellhanera longispora Lücking

source: Lücking (1999, 2008)

Fellhanera misionensis L.I. Ferraro & Lücking

source: Ferraro & Lücking (1999), Lücking (1999, 2008)

Fellhanera muhlei Lücking

source: Lücking (1999, 2008)

Fellhanera naevia (Vain.) Lücking & M. Cáceres

[*Bacidia naevia* Vain.]
source: van den Boom et al. (2022); Bungartz, F. 7079 B [CDS]

Fellhanera paradoxa (Vězda) Vězda

[*Bacidia paradoxa* Vězda]
source: Lücking (1999, 2008), van den Boom et al. (2022)

Fellhanera parvula (Vězda) Vězda

[*Catillaria parvula* Vězda]
source: van den Boom et al. (2022); Bungartz, F. 5007 B [CDS], Bungartz, F. 5008 C [CDS]

Fellhanera rhaphidophylli (Rehm) Vězda

[*Bacidia rhaphidophylli* (Rehm) Zahlbr., *Bilimbia rhaphidophylli* Rehm, *Mycobilimbia rhaphidophylli* (Rehm) Sacc.]
source: Lücking (1999, 2008); Bungartz, F. 9385 D [CDS]

Fellhanera rubida (Müll. Arg.) Lücking

[*Bacidia rubida* (Müll.Arg.) Zahlbr., *Patellaria rubida* Müll.Arg.]
source: Lücking (1999, 2008); Bungartz, F. 5005 A [CDS], Bungartz, F. 5015 C [CDS]

Fellhanera semecarpi (Vain.) Vězda

[*Catillaria semecarpi* Vain.]
source: Lücking (1999, 2008), van den Boom et al. (2022); Robert Lücking 96-1002 [INABIOEC-MECN-QCNE]

Fellhanera stanhopeae (Müll. Arg.) Lücking, Lumbsch & Elix

[*Bacidia stanhopeae* (Müll.Arg.) Zahlbr., *Badimia stanhopeae* (Müll.Arg.) Vězda, *Patellaria stanhopeae* Müll.Arg.]
source: Lücking (1999); Bungartz, F. 8632 A [CDS], Rivas Plata, E. 4099 [CDS], Rivas Plata, E. 4086 [CDS], Bungartz, F. 10456 B [CDS], Bungartz, F. 10455 C [CDS], Spielmann, A.A. 8153 D [CDS], Bungartz, F. 8630 C [CDS], Ertz, D. 11548 B [CDS], Bungartz, F. 9666 E [CDS], Bungartz, F. 9362 D [CDS], Robert Lücking 96-345 [INABIOEC-MECN-QCNE], Robert Lücking 96-817 [INABIOEC-MECN-QCNE], Robert Lücking 96-1151 [INABIOEC-MECN-QCNE], Robert Lücking 96-1014 [INABIOEC-MECN-QCNE]

Fellhanera stictae Etayo

* = lichenicolous fungi (parasites on living lichens); on *Yoshimuriella subdissecta*, *Sticta laciniata*, & *Sticta* sp., Holotype QCA, Etayo 25417, source: Etayo (2017); Etayo, J. 25407 [hb. Etayo], Etayo, J. 25417 [hb. Etayo], Etayo, J. 25421 [hb. Etayo], Etayo, J. 25462 [hb. Etayo], Etayo, J. 25406 [hb. Etayo], Etayo, J. & Palice, Z. 25417 [QCAM]

Fellhanera subfuscatula Lücking

source: Lücking (1999, 2008); R. Lücking 96-492 [WIS], R. Lücking 96-492 [F]

Fellhanera sublecanorina (Nyl.) Vězda

[*Bacidia sublecanorina* (Nyl.) Zahlbr., *Bilimbia sublecanorina* (Nyl.) Szatala, *Platygrapha sublecanorina* Nyl.]
source: Lücking (1999, 2008)

Fellhanera tubulifera Rain. Schub. & Lücking

source: van den Boom et al. (2022)

Ferraroa

Ferraroa hyalina (Lücking) Lücking, Sérus. & Vězda

[*Gyalideopsis hyalina* Lücking]
source: Lücking (1999, 2008)

Fibrillithecis

Fibrillithecis halei (Tuck. & Mont.) Mangold

[*Myriotrema halei* (Tuck. & Mont.) Hale, *Porina halei* Tuck. & Mont., *Thelotrema halei* (Tuck. & Mont.) Zahlbr.]
source: Benítez (2016), Benítez et al. (2019); Benítez, A. 24 [HUTPL]

Fissurina

Fissurina columbina (Tuck.) Staiger

[*Graphina columbina* (Tuck.) M. Wirth & Hale, *Graphina virginalis* (Tuck.) Müll.Arg., *Graphis columbina* Tuck., *Phaeographina columbina* (Tuck.) Zahlbr.]
source: Staiger (2002); K. Kalb 18833 [WIS]

Fissurina comparilis (Nyl.) Nyl.

[*Graphis comparilis* Nyl., *Graphis comparilis f. comparilis* Nyl., *Graphis comparilis var. comparilis* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, identification based on a single specimen (Aptroot 63929); identification confirmed by R. Lücking, previously as *F.* aff. *comparilis* (see Bungartz et al 2009), source: Bungartz et al. (2009); Aptroot, A. 63929 [CDS]

Fissurina dumastii Fée

[*Graphis dumastii* (Fée) Spreng.]
source: Fernández-Prado et al. (2022)

Fissurina dumastioides (Fink) Staiger

[*Graphis dumastioides* Fink]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2009); Nugra, F. 256 [CDS]

Fissurina egena (Nyl.) Nyl. v

[*Graphis egena* Nyl., *Graphis egena f. egena* Nyl.]
source: Benítez et al. (2019); Benítez, A. 26 [HUTPL]

Fissurina elaiocarpa (A.W. Archer) A.W. Archer v

[*Graphina elaiocarpa* A.W. Archer]
K. Kalb 18837 [WIS]

Fissurina incrustans Fée v

[*Graphina glaucoderma* (Nyl.) Müll. Arg., *Graphina glaucoderma var. glaucoderma* (Nyl.) Müll. Arg., *Graphina incrustans* (Fée) Müll. Arg., *Graphis glaucoderma* Nyl., *Graphis incrustans* (Fée) Nyl., *Phaeographina glaucoderma* (Nyl.) Redinger, *Phaeographina glaucoderma var. adpressa* Redinger, *Phaeographina glaucoderma var. glaucoderma* (Nyl.) Redinger]
source: Benítez et al. (2019); Benítez, A. 25 [HUTPL]

Fissurina indica B.O. Sharma, Khadilkar & Makhija v

Klara Scharnagl 2112 [MSC]

Fissurina marginata Staiger v

source: Staiger (2002)

Fissurina nitidescens (Nyl.) Nyl. v

[*Graphina nitidescens* (Nyl.) Riddle, *Graphis nitidescens* Nyl.]
source: Benítez et al. (2019; as *Fissurina* aff. *nitidescens*)

Fissurina subfurfuracea M. Cáceres, Aptroot & Lücking v

Klara Scharnagl 1941 [MSC]

Fissurina subnitida (Nyl.) Nyl. v

[*Graphina subnitida* (Nyl.) Zahlbr., *Graphis subnitida* Nyl.]
Klara Scharnagl 2055 [MSC], Klara Scharnagl 2163 [MSC], Klara Scharnagl 1962a [MSC]

Fissurina tectigera (Eschw.) Lücking & Bungartz

[*Graphina tectigera* (Eschw.) Müll.Arg., *Graphis tectigera* Eschw.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Yánez-Ayabaca, A. 1803 [CDS]

Fissurina timida (Vain.) Lücking & Bungartz

[*Graphis timida* Vain.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 9261 [CDS]

Fissurina triticea (Nyl.) Staiger v

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 172 [HUTPL]

Flakea

Flakea papillata O. E. Erikss. v

[*Agonimia papillata* (O.E. Erikss.) Diederich & Aptroot]
source: Elix & McCarthy (1998), Muggia et al. (2009), Weber (1993), Benítez et al. (2015), Fernández-Prado et al. (2022); Klara Scharnagl 2039 [MSC], Bungartz, F. 5627 [CDS], Bungartz, F. 5634 [CDS], Bungartz, F. 5636 [CDS], Aptroot, A. 65161 [CDS], Bungartz, F. 6938 [CDS], Aptroot, A. 64024 [CDS], Aptroot, A. 64302 [CDS], Bungartz, F. 3589 [CDS], Bungartz, F. 3532 [CDS], Bungartz, F. 9975 [CDS], Bungartz, F. 10462 [CDS], Aptroot, A. 65670 [CDS], Aptroot, A. 65235 [CDS], Aptroot, A. 63707 [CDS], Truong, C. 1291 [CDS], Benítez, A. 173 [HUTPL], Andersson, M. & Kautz, T. AK103 [QCAM]

Flavobathelium

Flavobathelium epiphyllum Lücking, Aptroot & G. Thor v

source: Lücking (1999, 2008); Robert Lücking 96-601 [INABIOEC-MECN-QCNE], Robert Lücking 96-968 [INABIOEC-MECN-QCNE]

Flavoparmelia

Flavoparmelia baltimorensis (Gyeln. & Fóriss) Hale v

[*Parmelia baltimorensis* Gyeln. & Fóriss, *Pseudoparmelia baltimorensis* (Gyeln. & Fóriss) Hale]
Arvidsson... 1983-07-15 [GB]

Flavoparmelia caperata (L.) Hale v

[*Flavoparmelia caperata f. caperata* (L.) Hale, *Flavoparmelia caperata f. sorediosa* (Müll. Arg.) S.Y. Kondr., *Flavoparmelia caperata var. caperata* (L.) Hale, *Imbricaria caperata* (L.) DC., *Lichen caperatus* L., *Lobaria caperata* (L.) Hoffm., *Parmelia caperata* (L.) Ach., *Parmelia caperata f. caperata* (L.) Ach., *Parmelia caperata f. saxicola* Müll.Arg., *Parmelia caperata f. sorediosa* Müll.Arg., *Parmelia caperata var. caperata* (L.) Ach., *Parmelia caperata var. sorediosa* F. Wilson, *Parmelia flavicans* (Tuck.) Herre nom. illegit., *Parmelia herreana* Zahlbr., *Parmelia negativa* Gyeln., *Parmelia perlata subsp. flavicans* Tuck., *Parmelia perlata var. flavicans* Tuck., *Parmotrema caperatum* (L.) M. Choisy, *Platisma caperatum* (L.) Hoffm., *Pseudoparmelia caperata* (L.) Hale]
K. Kalb 18814 [WIS], Culberson, William, L.... 20264 [DUKE], R. M. King 74-110 [US], Aridsson, Lars et al. 7277 [GB], Etayo, J. 25817 [hb. Etayo]

Flavoparmelia ecuadorensis T.H. Nash, Elix & J. Johnst. v

Holotype ASU, Nash 23854, source: Nash et al. (1987); T.H. Nash III 23837 [ASU], T.H. Nash III 23843 [ASU], T.H. Nash III 23849 [ASU], L. Arvidsson 6254 [ASU], L. Arvidsson 6375 [ASU], T.H. Nash III 23854 [ASU], T.H. Nash III 23854 [ASU], K. Kalb 19098 [WIS], T. H. Nash, III 23843 [F], Thomas H. Nash III 23837 [PH], Arvidsson... 6254 [GB], Arvidsson... 6253 [GB], Arvidsson... 6126 [GB], Arvidsson, L.... 6044 [GB], Arvidsson, Lars et al. 6375 [GB]

Flavoparmelia gerlachei (Zahlbr.) Hale v

[*Parmelia antarctica* Vain. non Bitter, *Parmelia gerlachei* Zahlbr.]
T.H. Nash III 23790 [ASU], L. Brako 4990 [US], Arvidsson... 6202 [GB], Arvidsson... 6203 [GB]

Flavoparmelia leucoxantha (Müll. Arg.) Hale ex DePriest & B.W. Hale

[*Parmelia leucoxantha* Müll. Arg., *Pseudoparmelia leucoxantha* (Müll. Arg.) Hale]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 7970 [CDS], Ertz, D. 11737 [CDS], Ertz, D. 12048 [CDS], Bungartz, F. 7988 [CDS], Yánez-Ayabaca, A. 1671 [CDS], Bungartz, F. 8982 [CDS], Bungartz, F. 9001 [CDS], Aptroot, A. 64475 [CDS], Yánez-Ayabaca, A. 1639 [CDS], Aptroot, A. 64995 [CDS]

Flavoparmelia soredians (Nyl.) Hale v

[*Parmelia caperata var. soredians* (Nyl.) Hillmann, *Parmelia conspersa var. soredians* (Nyl.) Boistel, *Parmelia soredians* Nyl., *Parmelia soredians f. soredians* Nyl., *Pseudoparmelia soredians* (Nyl.) Hale]
source: van den Boom et al. (2022)

Flavoplaca

Flavoplaca citrina (Hoffm.) Arup, Frödén & Søchting

[*Blastenia citrina* (Hoffm.) B. de Lesd., *Callopisma citrinum* (Hoffm.) A. Massal., *Caloplaca citrina* (Hoffm.) Th. Fr., *Caloplaca citrina f. citrina* (Hoffm.) Th. Fr., *Caloplaca citrina var. citrina* (Hoffm.) Th. Fr., *Caloplaca citrinella* (Hoffm.) Hepp, *Caloplaca incrustans var. citrina* (Hoffm.) B. de Lesd., *Lecanora citrina* (Hoffm.) Ach., *Lecidea citrina* (Hoffm.) D. Dietr., *Lichen citrinus* (Hoffm.) Ach., *Parmelia citrina* (Hoffm.) Ach., *Parmelia citrina var. citrina* (Hoffm.) Ach., *Placodium citrinum* (Hoffm.) Hepp, *Placodium citrinum f. citrinum* (Hoffm.) Th. Fr., *Placodium citrinum var. citrinum* (Hoffm.) Th. Fr., *Placodium citrinum var. vulcanica* Räsänen, *Pyrenodesmia citrina* (Hoffm.) Trevis., *Verrucaria citrina* Hoffm.]
Arvidsson... 1002 [GB]

Flavopunctelia

Flavopunctelia flaventior (Stirton) Hale

[*Parmelia andreana* Müll. Arg., *Parmelia andreana f. andreana* Müll. Arg., *Parmelia andreana var. andreana* Müll. Arg., *Parmelia andreana var. isidiata* Beschel, *Parmelia flaventior* Stirt., *Parmelia flaventior var. flaventior* Stirt., *Parmelia flaventior var. isidiata* (Beschel) Grummann, *Parmelia kernstockii* Lynge & Zahlbr., *Punctelia flaventior* (Stirt.) Krog]
source: Müller (1879; as *Parmelia andreana*), Romeguère (1879; as *Parmelia andreana*), Benítez et al. (2012, 2015), Chuquimarca et al. (2019), van den Boom et al. (2022); T.H. Nash III 23804 [ASU], K. Kalb 19490 [WIS], K. Kalb 18812 [WIS], K. Kalb 19478 [WIS], Thomas H. Nash III 23804 [LSU], Benítez, A. 174 [HUTPL], Arvidsson, Lars et al. 6595 [GB], Arvidsson... 991 [GB], Arvidsson... 4404 [GB], Arvidsson... 4419 [GB], Arvidsson... 4393 [GB], Arvidsson... 4206 [GB], Arvidsson... 4493 [GB], Arvidsson... 4407 [GB], Arvidsson... 3044 [GB], Arvidsson... 3045 [GB], Arvidsson... 3052 [GB], Arvidsson... 3885c [GB], Arvidsson... 3885b [GB], Arvidsson... 1037 [GB], Arvidsson... 959 [GB], Andersson... 461 [GB], Arvidsson... 4529 [GB], Arvidsson... 4527 [GB], Arvidsson... 3124 [GB], Arvidsson... 3125 [GB], Arvidsson... 3150 [GB], Arvidsson... 3151 [GB], Arvidsson... 3152 [GB], Arvidsson... 3210 [GB], Erik Asplund 1939-05-25 [LD], J. Etayo 25561 [hb. Etayo]

Fulvophyton

Fulvophyton murex (Egea & Torrente ex Sparrius) Ertz & Tehler

[*Sclerophyton murex* Egea & Torrente ex Sparrius]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Aptroot & Sparrius (2008); Weber, W.A. s.n. [CDS], Aptroot, A. 65353 [CDS], Bungartz, F. 4543 [CDS], Bungartz, F. 4553 [CDS], Aptroot, A. 65350 [CDS], Aptroot, A. 65012 [CDS], Aptroot, A. 65016 [CDS], Bungartz, F. 6074 [CDS], Bungartz, F. 5649 [CDS], Bungartz, F. 6265 [CDS], Bungartz, F. 5037 [CDS], Bungartz, F. 6366 [CDS], Bungartz, F. 6342 [CDS], Bungartz, F. 6353 [CDS], Bungartz, F. 5300 [CDS], Bungartz, F. 5126 [CDS], Aptroot, A. 64467 B [CDS], Aptroot, A. 64467 A [CDS], Aptroot, A. 64407 [CDS], Aptroot, A. 64724 [CDS], Aptroot, A. 64421 [CDS], Bungartz, F. 3742 [CDS], Bungartz, F. 3773 [CDS], Bungartz, F. 3794 [CDS], Bungartz, F. 4549 [CDS], Bungartz, F. 4515 [CDS], Bungartz, F. 5340 [CDS], Bungartz, F. 5344 [CDS], Bungartz, F. 5345 [CDS], Bungartz, F. 5269 [CDS], Bungartz, F. 4376 [CDS], Nugra, F. 107 [CDS], Segura, D. s.n. [CDS], Ertz, D. 11504 [CDS], Ertz, D. 11648 [CDS], Ertz, D. 11675 [CDS], Ertz, D. 11682 [CDS], Ertz, D. 11687 [CDS], Ertz, D. 11997 [CDS], Ertz, D. 12050 [CDS], Bungartz, F. 7149 [CDS], Bungartz, F. 7838 [CDS], Bungartz, F. 8396 [CDS], Segura, D. s.n. [CDS], Hillmann, G. GAL-30 [CDS], Bungartz, F. 9012 [CDS], Bungartz, F. 9063 [CDS], Bungartz, F. 9133 [CDS], Bungartz, F. 9165 [CDS], Bungartz, F. 9200 [CDS], Bungartz, F. 9210 [CDS], Bungartz, F. 9224 [CDS], Bungartz, F. 9233 [CDS], Bungartz, F. 9559 [CDS], Yánez-Ayabaca, A. 1789 [CDS], Yánez-Ayabaca, A. 1890 [CDS], Yánez-Ayabaca, A. 2044 [CDS], Bungartz, F. 9753 [CDS], Bungartz, F. 9917 [CDS], Bungartz, F. 9924 [CDS], Bungartz, F. 9752 [CDS], Bungartz, F. 9418 C [CDS]

Fulvophyton subseriale (Nyl.) Ertz & Tehler

[*Chiodecton subseriale* Nyl., *Enterographa subserialis* (Nyl.) Redinger, *Stigmatidium subseriale* (Nyl.) Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Aptroot & Sparrius (2008); Aptroot, A. 65011 [CDS], Aptroot, A. 64736 [CDS], Ertz, D. 11501 [CDS], Aptroot, A. 64467 C [CDS], Tehler, A. 8633 [CDS], Bungartz, F. 9918 [CDS]

Fuscopannaria

Fuscopannaria leucosticta (Tuck.) P.M. Jørg.

[*Pannaria leucosticta* Tuck., *Pannaria leucosticta var. isidiopsis* Nyl., *Pannaria leucosticta var. leucosticta* Tuck., *Pannularia leucosticta* (Tuck.) Stizenb.]
source: Jørgensen & Sipman (2007), Nöske et al. (2007)

Fuscopannaria praetermissa (Nyl.) P.M. Jørg.

[*Lecidea carnosa var. lepidiota* Sommerf., *Pannaria lepidiota* (Sommerf.) Th. Fr., *Pannaria lepidiota f. lepidiota* (Sommerf.) Th. Fr., *Pannaria lepidiota f. primaria* Vain., *Pannaria lepidiota f. sorediosa* Vain., *Pannaria lepidiota var. corallophora* Tuck., *Pannaria praetermissa* Nyl., *Pannularia lepidiota* (Sommerf.) Stizenb., *Parmeliella lepidiota* (Sommerf.) Vain., *Parmeliella lepidiota f. lepidiota* (Sommerf.) Vain., *Parmeliella lepidiota f. neotristis* Gyeln., *Parmeliella lepidiota f. praetermissa* (Nyl.) Gyeln., *Parmeliella lepidiota f. primaria* (Vain.) Gyeln., *Parmeliella lepidiota f. sorediosa* (Vain.) Gyeln., *Parmeliella praetermissa* (Nyl.) P. James, *Trachyderma praetermissum* (Nyl.) Trevis.]
source: Jørgensen & Palice (2010)

Gassicurtia

Gassicurtia coccinea Fée

[*Buellia coccinea* (Fee) Aptroot]
native, indigenous; Ertz, D. 11966 [CDS], Bungartz, F. 7469 [CDS], Bungartz, F. 7472 [CDS]

Gassicurtia pseudosubpulchella Marbach

source: Marbach (2000); K. Kalb 19437 [WIS]

Gassicurtia vaccinii (Vain.) Marbach, Elix & Kalb

[*Buellia vaccinii* Vain.]
K. Kalb 18424 [WIS]

Glaucotrema

Glaucotrema glaucophaenum (Kremp.) Rivas Plata & Lumbsch

[*Myriotrema glaucophaenum* (Kremp.) Hale, *Ocellularia glaucophaena* (Kremp.) Zahlbr. 1923, *Thelotrema glaucophaenum* Kremp.]
source: Nöske et al. (2007), Fernández-Prado et al. (2022)

Gliocephalis

Gliocephalis pulchella (Penz. & Sacc.) D. Hawksw.

[*Gliocladium pulchellum* Penz. & Sacc.]
* = lichenicolous fungi (parasites on living lichens); on *Peltigera polydactyla*, source: Etayo (2017); Etayo, J. 25770 [hb. Etayo], Etayo, J. 25793 [hb. Etayo]

Globosphaeria

Globosphaeria jamesii D. Hawksw.

* = lichenicolous fungi (parasites on living lichens); on *Normandina* sp., source: Etayo (2017); Etayo, J. 20167 [hb. Etayo]

Glyphis

Glyphis cicatricosa Ach.

[*Glyphis achariana* Tuck., *Glyphis confluens* Zenker, *Glyphis favulosa* Ach.]
source: Weber (1986), Elix & McCarthy (1998), Staiger (2002), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Bungartz et al. (2009), Benítez et al. (2015, 2019), Benítez (2016), van den Boom et al. (2022); K. Kalb 18511 [WIS], K. Kalb 18503 [WIS], K. Kalb 18166 [WIS], K. Kalb 18564 [WIS], Bungartz, F. 6183 [CDS], Aptroot, A. 63753 [CDS], Aptroot, A. 65081 [CDS], Bungartz, F. 4040 [CDS], Bungartz, F. 6763 [CDS],

Aptroot, A. 64240 [CDS], Bungartz, F. 3726 [CDS], Bungartz, F. 3729 [CDS], Bungartz, F. 3507 [CDS], Bungartz, F. 6755 [CDS], Bungartz, F. 7061 [CDS], Ertz, D. 11934 [CDS], Bungartz, F. 7500 [CDS], Bungartz, F. 7575 [CDS], Bungartz, F. 7580 [CDS], Bungartz, F. 7672 [CDS], Bungartz, F. 7690 [CDS], Bungartz, F. 7867 [CDS], Truong, C. 1366 [CDS], Tehler, A. 8794 [CDS], Bungartz, F. 8299 [CDS], Bungartz, F. 8593 [CDS], Herrera-Campos, M.A. GAL-456 [CDS], Herrera-Campos, M.A. GAL-460 [CDS], Herrera-Campos, M.A. GAL-469 [CDS], Bungartz, F. 5035 [CDS], Bungartz, F. 9442 [CDS], Bungartz, F. 9729 A [CDS], Bungartz, F. 10164A [CDS], Bungartz, F. 10252 [CDS], Bungartz, F. 9739 [CDS], Bungartz, F. 9729 B [CDS], Bungartz, F. 9731 [CDS], Bungartz, F. 10141 [CDS], Bungartz, F. 10021 [CDS], Yánez-Ayabaca, A. 1855 [CDS], Yánez-Ayabaca, A. 1939 [CDS], Yánez-Ayabaca, A. 1947 [CDS], Yánez-Ayabaca, A. 2060 [CDS], Spielmann, A.A. 10606 [CDS], Spielmann, A.A. 10663 [CDS], Spielmann, A.A. 10659 [CDS], Yánez-Ayabaca, A. 1814 [CDS], Rivas Plata, E. 4072 [CDS], Dal-Forno, M. 1817 [CDS], Benítez, A. 28 [HUTPL], Benítez, A. 175 [HUTPL]

Glyphis scyphulifera (Ach.) Staiger

[*Graphina cupulicarpa* Redinger, *Gymnotrema atratum* (Fée) Nyl., *Gyrostomum scyphuliferum* (Ach.) Nyl., *Gyrostomum scyphuliferum var. macrosporum* B. de Lesd., *Gyrostomum scyphuliferum var. scyphuliferum* (Ach.) Nyl., *Lecanactis obfirmata* Nyl., *Lecidea scyphulifera* Ach., *Phaeographina obfirmata* (Nyl.) Zahlbr., *Thelotrema atratum* Fée]
source: Bungartz et al. (2009), Benítez et al. (2015, 2019), Benítez (2016), Fernández-Prado et al. (2022); Aptroot, A. 63447 [CDS], Bungartz, F. 6484 [CDS], Bungartz, F. 9934 [CDS], Benítez, A. 27 [HUTPL], Benítez, A. 176 [HUTPL]

Gomphillus

Gomphillus hyalinus (Pat.) Lücking, Kalb & Vězda

[*Microstelium hyalinum* Pat.]
parasitized by *Nectriopsis melongenoidea*, source: Nöske et al. (2007), Etayo (2017); R. C. Harris 17644 [NY], Aptroot, A. 64847 [CDS], Aptroot, A. 65555 [CDS]

Gomphillus morchelloides Lücking & Sérus.

W. R. Buck 39207 [NY]

Gomphillus ophiosporus Kalb & Vězda

Holotype Kalb 16605, WIS-L-0089510, source: Kalb & Vězda (1988), Ferraro & Lücking (2005), Nöske et al. (2007); K. Kalb 16605 [WIS], K. Kalb s.n. [WIS], K. Kalb 16604 [WIS], K. Kalb 16606 [WIS], K. Kalb & A. Kalb 1987-08-28 [UPS], COLO-L-0072544 [COLO], K. Kalb, A. Kalb 1987-08-28 [O], 41852 [TNS], Etayo, J. 20133 [hb. Etayo]

Graphina

Graphina elongatoradians Fink

Benítez, A. 185 [HUTPL]

Graphis

Graphis anfractuosa Eschw.

[*Opegrapha anfractuosa* (Eschw.) Mont., *Scaphis anfractuosa* Eschw.]
source: Nöske et al. (2007), Bungartz et al. (2009), Benítez et al. (2015, 2019), Benítez (2016), Fernández-Prado et al. (2022); Nugra, F. 242 [CDS], Nugra, F. 361 [CDS], Nugra, F. 348 [CDS], Nugra, F. 413 [CDS], Bungartz, F. 6902 [CDS], Bungartz, F. 7301 [CDS], Bungartz, F. 7536 [CDS], Benítez, A. 29 [HUTPL], Benítez, A. 179 [HUTPL]

Graphis anguilliformis Taylor

source: Nöske et al. (2007)

Graphis antillarum Vain.

[*Graphina antillarum* (Vain.) Zahlbr.]
source: Fernández-Prado et al. (2022)

Graphis arbusculiformis (Vain.) Lücking

[*Graphis subdisserpens f. arbusculiformis* Vain.]
source: Fernández-Prado et al. (2022)

Graphis aurita Eschw.

[*Opegrapha aurita* (Eschw.) Mont.]
source: Fernández-Prado et al. (2022)

Graphis bettinae Lücking, Umaña, Chaves & Sipman

source: Benítez et al. (2015; as *Graphis* aff. *bettinae* and *Graphis bettinae*), Benítez (2016); Benítez, A. 177 [HUTPL], Benítez, A. 180 [HUTPL], Benítez, A. 181 [HUTPL]

Graphis caesiella Vain.

source: Benítez et al. (2019); Bungartz, F. 3269 [CDS], Bungartz, F. 3550 [CDS], Bungartz, F. 5706 [CDS], Bungartz, F. 5585 [CDS], Aptroot, A. 63831 [CDS], Aptroot, A. 63846 [CDS], Bungartz, F. 6264 [CDS], Bungartz, F. 4437 [CDS], Bungartz, F. 3999 [CDS], Bungartz, F. 4001 [CDS], Aptroot, A. 64246 [CDS], Bungartz, F. 5867 [CDS], Bungartz, F. 5618 [CDS], Bungartz, F. 5127 [CDS], Bungartz, F. 5532 A [CDS], Aptroot, A. 65434 [CDS], Aptroot, A. 65439 [CDS], Aptroot, A. 64312 [CDS], Aptroot, A. 64347 [CDS], Aptroot, A. 64350 [CDS], Bungartz, F. 5909 [CDS], Bungartz, F. 5923 [CDS], Bungartz, F. 5946 [CDS], Bungartz, F. 5903 [CDS], Bungartz, F. 5926 [CDS], Aptroot, A. 63970 [CDS], Nugra, F. 291 A [CDS], Bungartz, F. 6979 [CDS], Nugra, F. 592 [CDS], Bungartz, F. 8243 [CDS], Bungartz, F. 8307 [CDS], Bungartz, F. 9259 [CDS], Bungartz, F. 10146 [CDS], Bungartz, F. 10050 [CDS], Bungartz, F. 9669 [CDS], Bungartz, F. 10145 [CDS], Yánez-Ayabaca, A. 2068 [CDS], Bungartz, F. 10299 [CDS], Jonitz, H. 66 [CDS]

Graphis cervina Müll.Arg.

source: Fernández-Prado et al. (2022)

Graphis cincta (Pers.) Aptroot

[*Opegrapha cincta* Pers.]
source: van den Boom et al. (2022); Aptroot, A. 63258 [CDS], Bungartz, F. 3873 [CDS], Bungartz, F. 4440 [CDS], Bungartz, F. 5139 [CDS], Bungartz, F. 4229 [CDS], Bungartz, F. 6485 [CDS], Bungartz, F. 4689 [CDS], Bungartz, F. 4885 [CDS], Bungartz, F. 4265 [CDS], Nugra, F. 324 [CDS], Aptroot, A. 63832 B [CDS], Bungartz, F. 8126 [CDS], Bungartz, F. 8124 [CDS], Yánez-Ayabaca, A. 1933 [CDS], Bungartz, F. 9695 [CDS], Bungartz, F. 9349 [CDS]

Graphis cinerea (Zahlbr.) M. Nakan.

source: Benítez et al. (2015), Benítez (2016)

Graphis conferta Zenker

source: Benítez et al. (2015), Benítez (2016); Bungartz, F. 7552 [CDS], Bungartz, F. 7300 [CDS], Hillmann, G. GAL-9 [CDS], Benítez, A. 183 [HUTPL]

Graphis crebra Vain.

source: van den Boom et al. (2022); Aptroot, A. 63234 [CDS], Bungartz, F. 6184 [CDS], Bungartz, F. 3363 [CDS], Bungartz, F. 6324 A [CDS], Bungartz, F. 5697 [CDS], Aptroot, A. 65393 [CDS], Bungartz, F. 4406 [CDS], Bungartz, F. 4418 [CDS], Bungartz, F. 6471 [CDS], Bungartz, F. 5902 [CDS], Bungartz, F. 5099 [CDS], Ertz, D. 11738 [CDS], Bungartz, F. 7368 [CDS], Bungartz, F. 7905 [CDS], Nugra, F. 618 [CDS], Bungartz, F. 9154 [CDS], Bungartz, F. 9052 [CDS], Bungartz, F. 9053 [CDS], Bungartz, F. 9595 [CDS], Bungartz, F. 9601 [CDS]

Graphis dendrogramma Nyl.

source: Benítez et al. (2019; as *Graphis* aff. *dendrogramma*), van den Boom et al. (2022); Benítez, A. 31 [HUTPL]

Graphis descissa Müll.Arg.

source: Fernández-Prado et al. (2022)

Graphis dichotoma (Müll. Arg.) Lücking

[*Graphina dichotoma* Müll.Arg.]
source: Bungartz et al. (2009), Benítez (2016); Bungartz, F. 8315 [CDS]

Graphis disserpens Nyl.

[*Graphina disserpens* (Nyl.) Müll.Arg., *Graphina disserpens var. disserpens* (Nyl.) Müll.Arg.]
native, indigenous; Bungartz, F. 8547 [CDS], Truong, C. 1498 [CDS]

Graphis dupaxana Vain.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 10251 [CDS], Bungartz, F. 9516 [CDS]

Graphis duplicata Ach.

[*Graphis duplicata var. peruviana* (Fée) Zahlbr., *Graphis peruviana* (Fée) Spreng., *Opegrapha peruviana* Fée]
source: Nöske et al. (2007)

Graphis elegans (Borrer ex Sm.) Ach.

[*Aulacographa elegans* Leight., *Graphis elegans f. coacervata* Leight., *Graphis elegans f. parallela* (Schaer.) Nyl., *Graphis elegans f. simplicior* Cromb. ex W. Johnson, *Graphis elegans f. stellata* Leight., *Graphis petrina* Nyl., *Opegrapha elegans* Borrer ex Sm., *Opegrapha elegans var. elegans* Borrer ex Sm., *Opegrapha elegans var. parallela* Schaer., *Phaeographis ramificans* (Nyl.) Lettau]
source: Staiger (2002), Nöske & Sipman (2004)

Graphis elixiana A.W. Archer

source: Benítez et al. (2015); Benítez, A. 184 [HUTPL]

Graphis elongatoradians Fink ex Wirth & Hale

source: Benítez et al. (2015), Benítez (2016)

Graphis emersa Müll.Arg.

source: Fernández-Prado et al. (2022)

Graphis flavovirens Makhija & Adaw.

source: Fernández-Prado et al. (2022)

Graphis furcata Fée

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Herrera-Campos, M.A. 10552 [CDS], Hillmann, G. GAL-7 [CDS], Hillmann, G. GAL-39 [CDS], Nugra, F. 1015 [CDS], Bungartz, F. 9301 [CDS], Spielmann, A.A. 10664 A [CDS], Bungartz, F. 10248 [CDS]

Graphis glaucescens Fée

[*Graphis bulacana* Vain.]
source: Bungartz et al. (2009), Déleg et. al (2021), van den Boom et al. (2022), Fernández-Prado et al. (2022); Aptroot, A. 63337 [CDS], Aptroot, A. 64295 [CDS], Bungartz, F. 8224 [CDS], Bungartz, F. 8323 [CDS], Bungartz, F. 8639 [CDS], Clerc, P. 08-362 [CDS]

Graphis handelii Zahlbr.

native, indigenous; Bungartz, F. 7577 [CDS], Bungartz, F. 8424 [CDS], Tehler, A. 8629 [CDS], Bungartz, F. 8260 [CDS]

Graphis immersella Müll.Arg.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Dal-Forno, M. 1226 [CDS]

Graphis immersicans A.W. Archer

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 10250 [CDS]

Graphis insulana (Müll. Arg.) Lücking & Sipman

[*Graphina insulana* Müll.Arg.]
source: Fernández-Prado et al. (2022)

Graphis intricata Fée

[*Opegrapha intricata* Mont.]
source: Fernández-Prado et al. (2022); Aptroot, A. 65326 [CDS], Bungartz, F. 5761 [CDS], Bungartz, F. 4331 [CDS], Bungartz, F. 4330 [CDS], Bungartz, F. 3712 [CDS], Bungartz, F. 3511 [CDS], Bungartz, F. 5866 [CDS], Nugra, F. 309 [CDS], Bungartz, F. 7920 [CDS], Bungartz, F. 5532 B [CDS], Nugra, F. 572 [CDS], Nugra, F. 619 [CDS], Dal-Forno, M. 1161 [CDS], Yánez-Ayabaca, A. 1930 [CDS], Bungartz, F. 5561 [CDS]

Graphis leptoclada Müll.Arg.

[*Graphis rigidula* Müll.Arg.]
source: Benítez et al. (2015, 2019), Benítez (2016); Bungartz, F. 10527 [CDS]

Graphis leptogramma Nyl.

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 187 [HUTPL]

Graphis lineola Ach.

source: van den Boom et al. (2022)

Graphis modesta Zahlbr.

native, indigenous; Bungartz, F. 8505 [CDS], Nugra, F. 551 [CDS], Herrera-Campos, M.A. 10626 [CDS], Herrera-Campos, M.A. 10768 [CDS], Herrera-Campos, M.A. 10631 [CDS], Bungartz, F. 8306 [CDS]

Graphis muscicola (Kalb) Staiger

[*Graphina muscicola* Kalb]
Type Lichenes Neotropici #422 [Kalb, Lich. Neotrop. [Neumarkt]], source: Kalb (1988), Staiger (2002); Kalb, Klaus ; Kalb, A. 1987-09-10 [CMN], K. Kalb & A. Kalb 422 [UPS], K. Kalb, A. Kalb 1987-09-10 [O]

Graphis myrtacea (Müll. Arg.) Lücking

[*Graphina myrtacea* Müll.Arg.]
source: Benítez et al. (2015), Benítez (2016); Benítez, A. 188 [HUTPL], Benítez, A. 189 [HUTPL]

Graphis neoelongata Lücking

[*Enterographa elongata* (Zahlbr.) Redinger, *Graphina elongata* Zahlbr.]
source: Fernández-Prado et al. (2022)

Graphis oxyclada Müll.Arg.

native, indigenous; Bungartz, F. 8309 [CDS], Bungartz, F. 8302 [CDS]

Graphis palmicola Makhija & Adaw.

source: Fernandez-Prado et al. (2021)

Graphis paradisserpens Sipman & Lücking

native, indigenous; Bungartz, F. 8532 [CDS], Bungartz, F. 8539 [CDS]

Graphis pinicola Zahlbr.

source: Benítez et al. (2015), Benítez (2016); Spielmann, A.A. 10607 [CDS]

Graphis platycarpa Eschw.

[*Graphina platycarpa var. platycarpa* (Eschw.) Zahlbr., *Graphina platycarpa var. recta* (Müll.Arg.) Zahlbr., *Graphina sophistica var. recta* Müll.Arg.]
native, indigenous; Bungartz, F. 8497 [CDS]

Graphis proserpens Vain.

source: van den Boom et al. (2022)

Graphis streblocarpa (Bél.) Nyl.

[*Graphina streblocarpa* (Bél.) Müll. Arg., *Graphis diplocheila* Vain., *Leiorreuma streblocarpum* (Bél.) A. Massal., *Opegrapha streblocarpa* Bél., *Phaeographina streblocarpa* (Bél.) Overeem]
source: Benítez et al. (2015); Benítez, A. 198 [HUTPL]

Graphis subcinerea Staiger

source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007)

Graphis subcontorta (Müll. Arg.) Lücking & Chaves

[*Graphina subcontorta* Müll.Arg.]
source: Benítez et al. (2015), Benítez (2016), Benítez et al. (2019, as *Graphis subcontorta* and *Graphis* aff. *subcontorta*)); Benítez, A. 33 [HUTPL], Benítez, A. 199 [HUTPL]

Graphis subintermedians Hale ex Lücking

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Spielmann, A.A. 10671 A [CDS]

Graphis submarginata Lücking

[*Graphis lineola var. marginata* (Meyen & Flot.) Zahlbr.]
source: Fernández-Prado et al. (2022); Rivas Plata, E. 4034 [CDS]

Graphis subserpentina Nyl.

source: Benítez et al. (2015); Benítez, A. 200 [HUTPL]

Graphis tenella Ach.

[*Graphis scripta subsp. tenella* (Ach.) Nyl., *Graphis scripta var. tenella* (Ach.) Tuck., *Opegrapha comma var. tenella* (Ach.) Mont., *Opegrapha tenella* (Ach.) Mont.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2009); Aptroot, A. 65586 [CDS], Bungartz, F. 5551 [CDS], Bungartz, F. 5546 [CDS], Bungartz, F. 5549 [CDS], Bungartz, F. 5566 [CDS], Bungartz, F. 5580 [CDS], Aptroot, A. 63833 [CDS], Bungartz, F. 4035 [CDS], Bungartz, F. 4037 [CDS], Bungartz, F. 4038 [CDS], Bungartz, F. 4988 [CDS], Aptroot, A. 65225 [CDS], Bungartz, F. 5536 [CDS], Aptroot, A. 65459 [CDS], Aptroot, A. 64346 [CDS], Aptroot, A. 64351 [CDS], Bungartz, F. 6613 [CDS], Aptroot, A. 64348 [CDS], Aptroot, A. 64352 [CDS], Bungartz, F. 4148 [CDS], Nugra, F. 280 [CDS], Nugra, F. 325 [CDS], Nugra, F. 453 [CDS], Nugra, F. 524 [CDS], Bungartz, F. 7299 [CDS], Bungartz, F. 7370 [CDS], Bungartz, F. 7691 [CDS], Bungartz, F. 8248 [CDS], Bungartz, F. 9266 [CDS], Bungartz, F. 9267 [CDS], Bungartz, F. 9489 [CDS], Yánez-Ayabaca, A. 1730 [CDS], Yánez-Ayabaca, A. 1740 [CDS], Yánez-Ayabaca, A. 1831 [CDS], Yánez-Ayabaca, A. 1938 [CDS], Yánez-Ayabaca, A. 2061 [CDS], Bungartz, F. 9850 [CDS], Bungartz, F. 9514 [CDS], Bungartz, F. 9849 [CDS], Bungartz, F. 9737 [CDS], Bungartz, F. 9273 [CDS], Bungartz, F. 10041 [CDS], Bungartz, F. 10053 [CDS], Bungartz, F. 9657 [CDS], Bungartz, F. 10034 [CDS], Bungartz, F. 4078 [CDS], Aptroot, A. 65044 [CDS]

Gyalectidium

Gyalectidium catenulatum (Cavalc. & A.A. Silva) Ferraro

[*Tauromyces catenulatus* Cavalc. & A.A. Silva]
source: Lücking (1999, 2008); Macía, M.... s.n. [DUKE], Ertz, D. 11548 A [CDS], Bungartz, F. 5012 B [CDS], Bungartz, F. 5013 D [CDS], Bungartz, F. 8146 B [CDS], Spielmann, A.A. 8241 H [CDS], Herrera-Campos, M.A. 10655 B [CDS], Bungartz, F. 8284 D [CDS], Bungartz, F. 7084 B [CDS], Bungartz, F. 7086 B [CDS], Nugra, F. 910 D6 [CDS], Nugra, F. 910 C6 [CDS]

Gyalectidium colchicum Vězda

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 9359 H [CDS]

Gyalectidium eskuchei Sérus. & J.R. De Sloover

native, indigenous; Bungartz, F. 5014 D [CDS], Bungartz, F. 5013 E [CDS]

Gyalectidium filicinum Müll.Arg.

[*Ectolechia filicina* (Müll. Arg.) Vain., *Sporopodium filicinum* (Müll.Arg.) Zahlbr., *Sporopodium filicinum var. filicinum* (Müll.Arg.) Zahlbr., *Sporopodium filicinum var. leioplacum* Zahlbr.]
parasitized by *Opegrapha velata*, source: Weber (1986), Elix & McCarthy (1998), Lücking (1999, 2008), Lücking & Matzer (2001); Aptroot, A. 64263 A [CDS], Herrera-Campos, M.A. 10634 A [CDS], Herrera-Campos, M.A. 10653 A [CDS], Herrera-Campos, M.A. 10654 [CDS], Herrera-Campos, M.A. 10656 [CDS], Bungartz, F. 8287 A [CDS], Bungartz, F. 8292 A [CDS], Bungartz, F. 8293 D [CDS], Bungartz, F. 8291 B [CDS], Bungartz, F. 8289 F [CDS], Bungartz, F. 8280 D [CDS], Bungartz, F. 8279 B [CDS], Bungartz, F. 10054 D [CDS], Robert Lücking 96-676 [INABIOEC-MECN-QCNE], Robert Lücking 96-444. [INABIOEC-MECN-QCNE], Robert Lücking 96-991 [INABIOEC-MECN-QCNE], Robert Lücking 96-1094. [INABIOEC-MECN-QCNE], Robert Lücking 96-1213. [INABIOEC-MECN-QCNE], Robert Lücking 96-144 [INABIOEC-MECN-QCNE], Robert Lücking 96-673 [INABIOEC-MECN-QCNE]

Gyalectidium imperfectum Vězda

source: Lücking (1999, 2008); Bungartz, F. 5003 A [CDS], Bungartz, F. 5011 A [CDS], Bungartz, F. 5014 E [CDS], Bungartz, F. 5006 B [CDS], Bungartz, F. 5009 B [CDS], Bungartz, F. 5004 B [CDS], Bungartz, F. 5008 B [CDS], Bungartz, F. 5005 C [CDS], Bungartz, F. 5002 B [CDS], Herrera-Campos, M.A. 10655 A [CDS]

Gyalidea

Gyalidea culbersoniana Vězda & Poelt

Holotype: hb. Vězda, Culberson 20555, source: Vězda & Poelt (1990), Nöske et al. (2007); A. Palice 1999-08-26 [F], Palice, Z. s.n. [DUKE], A. Palice 1999-08-26 [UPS]

Gyalidea dodgei Vězda

W.L. Culberson 20555 [ASU]

Gyalidea hyalinescens (Nyl.) Vězda

[*Bacidia hyalinescens* (Nyl.) Zahlbr., *Bilimbia hyalinescens* (Nyl.) Boistel, *Gyalecta hyalinescens* (Nyl.) Vězda, *Lecidea hyalinescens* Nyl.]
source: Nöske & Sipman (2004), Nöske et al. (2007); K. Kalb 19255 [WIS], K. Kalb 16614 [WIS], K. Kalb 18099 [WIS], W.L. Culberson... 1987-08-25 [UPS], William L. Culberson 1987-08-25 [UPS], W. L. Culberson... 20555 [S], W. L Culberson... 20555 [S]

Gyalidea parvula Kalb & Vězda

Holotype WIS, Kalb & Kalb, 17 Aug. 1987, source: Kalb & Vězda (1991); K.A. Kalb 18101 [WIS]

Gyalideopsis

Gyalideopsis aequatoriana Kalb & Vězda

Holotype Kalb 17088, source: Kalb and Vězda (1994); K. Kalb 17770 [WIS], Aptroot, A. 64660 [CDS]

Gyalideopsis albopruinosa Lücking

Holotype QCNE, Lücking 96-1084, source: Lücking (1999, 2008); R. Lücking 96-1084 [INABIOEC-MECN-QCNE], Lücking, R. 96-1084 [INABIOEC-MECN-QCNE]

Gyalideopsis arvidssonii Lücking

Holotype QCNE, Lücking 96-439, source: Lücking (2008); Lücking, R. 96-439 [INABIOEC-MECN-QCNE]

Gyalideopsis cochlearifera Lücking & Sérus.

* = lichenicolous fungi (parasites on living lichens); on *Calenia triseptata*, *Echinoplaca fusconitida*, source: Lücking (1999)

Gyalideopsis gigantea Kalb & Vězda

Holotype Kalb 17748, source: Kalb and Vězda (1994); K. Kalb 17748 [WIS], Bungartz, F. 8268 [CDS]

Gyalideopsis intermedia Lücking

source: Lücking (1999, 2008)

Gyalideopsis laevithallina Lücking

source: Lücking (2008), van den Boom et al. (2022)

Gyalideopsis lobulata Lücking

Holotype QCNE, Lücking 96-1111, source: Lücking (2008); Lücking, R. 96-1111 [INABIOEC-MECN-QCNE]

Gyalideopsis montana Lücking

source: Lücking (1999, 2008)

Gyalideopsis napoensis Kalb & Vězda

Holotype Kalb 17035, source: Kalb and Vězda (1994); K. Kalb 17035 [WIS], Aptroot, A. 63920 [CDS], Aptroot, A. 64227 B [CDS], Aptroot, A. 65249 [CDS], Aptroot, A. 65156 [CDS]

Gyalideopsis pallescens Lücking

source: Lücking (2008), van den Boom et al. (2022)

Gyalideopsis palmata Kalb & Vězda

Holotype Kalb 17745, source: Kalb & Vězda (1994); K. Kalb 17745 [WIS], Aptroot, A. 64661 [CDS], Aptroot, A. 65077 [CDS]

Gyalideopsis rubescens Vězda

source: Lücking (1999, 2008), Lücking & Matzer (2001), van den Boom et al. (2022)

Gyalideopsis rubra Lücking

source: Lücking (1999, 2008)

Gyalideopsis stipitata Kalb & Vězda

parasitized by *Dictyonema* sp., Holotype Kalb 17087, source: Kalb and Vězda (1994), Etayo (2017); K. Kalb 17087 [WIS], Etayo, J. 26985 [hb. Etayo]

Gyalideopsis subaequatoriana Lücking & W. R. Buck

native, indigenous; Aptroot, A. 63181 [CDS], Aptroot, A. 64675 [CDS], Aptroot, A. 64707 [CDS], Aptroot, A. 65055 [CDS], Aptroot, A. 65097 [CDS], Aptroot, A. 65603 [CDS], Aptroot, A. 64283 [CDS], Aptroot, A. 65199 [CDS], Bungartz, F. 4161 [CDS], Bungartz, F. 4163 [CDS], Aptroot, A. 65556 [CDS], Nugra, F. 78 [CDS], Nugra, F. 81 [CDS], Nugra, F. 64 [CDS], Nugra, F. 38 [CDS], Ertz, D. 11719 [CDS], Bungartz, F. 7288 [CDS], Bungartz, F. 7309 [CDS], Bungartz, F. 8753 [CDS]

Gyalideopsis trapperi Kalb & Vězda

Holotype Kalb 423, WIS-L-0121841, source: Kalb & Vězda (1988), Cevallos (2012); W. R. Buck 39496 [NY], Kalb, Klaus ; Kalb, A. 1987-09-10 [CMN], K. Kalb 423 [WIS], K. Kalb & A. Kalb 423 [UPS], 41854 [TNS]

Gyalideopsis usneicola Etayo

* = lichenicolous fungi (parasites on living lichens); on *Usnea* sp. with apothecia, Holotype QCA, Etayo 19974, source: Etayo (2017); Etayo, J. 19974 [hb. Etayo], Etayo, J. 25921 [hb. Etayo], Etayo, J. & Palice, Z. 19974 [QCAM]

Gyalideopsis vainioi Kalb & Vězda

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 63395 C [CDS], Aptroot, A. 63395 D [CDS], Bungartz, F. 7327 A [CDS], Bungartz, F. 9517 [CDS]

Gyalideopsis verruculosa Vězda & Hafellner

source: Lücking (1999, 2008); E. Asplund 196 b [S]

Gyalideopsis vulgaris (Müll. Arg.) Lücking

[*Actinoplaca vulgaris* (Müll. Arg.) Vězda & Poelt, *Lopadium vulgare* Müll.Arg., *Strigula vulgaris* (Müll. Arg.) Lücking nom. inval., *Tricharia vulgaris* (Müll.Arg.) R. Sant.]
source: Elix & McCarthy (1998), Weber (1986), Lücking & Matzer (2001), Lücking (1999), van den Boom et al. (2022); Bungartz, F. 5014 B [CDS], Bungartz, F. 8618 B [CDS], Bungartz, F. 8621 C [CDS], Herrera-Campos, M.A. 10653 C [CDS], Bungartz, F. 7082 B [CDS], Bungartz, F. 8622 B [CDS], Bungartz, F. 8619 B [CDS], Rivas Plata, E. 4088 [CDS]

Gyalideopsis vulgaris f. albopruinosa Lücking

Holotype QCNE, Lücking 96-711, source: Lücking (2008); Lücking, R. 96-711 [INABIOEC-MECN-QCNE]

Gyalideopsis vulgaris f. vulgaris (Müll. Arg.) Lücking

source: Lücking (2008)

Gyalolechia

Gyalolechia andicola Zahlbr.

problematic, no modern record; Ohimborazo: Über abgestorbenen Moosen, bei 4800 m Seehöhe [Nr. 372]., source: Zahlbruckner (1905, 1907)

Gyalolechia flavorubescens (Hudson) Søchting, Frödén & Arup

[*Callopisma aurantiacum var. subgilvum* Müll.Arg., *Caloplaca aurantiaca f. dealbata* Th. Fr., *Caloplaca aurantiaca f. fulva* Zahlbr., *Caloplaca aurantiaca var. diffracta* Lojka, *Caloplaca aurantiaca var. ecrustacea* Erichsen, *Caloplaca aurantiaca var. suberythrella* (Nyl.) H. Olivier, *Caloplaca aurantiaca var. subgilva* (Müll.Arg.) Zahlbr., *Caloplaca aurantiaca var. velana* (A. Massal.) Flagey, *Caloplaca flavorubescens* (Hudson) J. R. Laundon, *Caloplaca flavorubescens f. flavorubescens* (Huds.) J.R. Laundon, *Caloplaca flavorubescens f. microthelia* (Ach.) Verseghy, *Caloplaca flavorubescens subsp. flavorubescens* (Huds.) J.R. Laundon, *Caloplaca flavorubescens var. flavorubescens* (Huds.) J.R. Laundon, *Lecanora aurantiaca var. microthelia* (Ach.) Nyl., *Lichen flavorubescens* Huds., *Parmelia microthelia* Ach.]
source: Fernández-Prado et al. (2022), van den Boom et al. (2022)

Haematomma

Haematomma africanum (J. Steiner) C.W. Dodge

[*Haematomma bubalinum* R.W. Rogers, *Haematomma puniceum var. africanum* J. Steiner]
source: Benítez et al. (2015), Benítez (2016); Benítez, A. 203 [HUTPL]

Haematomma collatum (Stirt.) C.W. Dodge

[*Haematomma puniceum var. collatum* (Stirt.) Zahlbr., *Lecanora punicea var. collata* Stirt.]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007)

Haematomma flexuosum Hillm.

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 204 [HUTPL]

Haematomma nicoyense Nelsen, Lücking & Chaves

source: Benítez et al. (2019)

Haematomma persoonii (Fée) A. Massal.

[*Lecanora persoonii* Fée]
source: Staiger & Kalb (1995); Bungartz, F. 3861 [CDS], Aptroot, A. 63252 [CDS], Simbaña, W. 540 [CDS], Bungartz, F. 6185 [CDS], Aptroot, A. 64759 [CDS], Bungartz, F. 6445 [CDS], Aptroot, A. 63952 [CDS], Bungartz, F. 3561 [CDS], Bungartz, F. 6047 [CDS], Bungartz, F. 5647 [CDS], Bungartz, F. 6255 [CDS], Bungartz, F. 5030 [CDS], Bungartz, F. 6000 [CDS], Bungartz, F. 6352 [CDS], Bungartz, F. 5266 [CDS], Bungartz, F. 4364 [CDS], Bungartz, F. 4900 [CDS], Bungartz, F. 6021 [CDS], Aptroot, A. 65359 [CDS], Bungartz, F. 5977 [CDS], Nugra, F. 108 [CDS], Bungartz, F. 7007 [CDS], Ertz, D. 11628 [CDS], Bungartz, F. 7200 [CDS], Bungartz, F. 7345 [CDS], Bungartz, F. 7452 [CDS], Bungartz, F. 7827 [CDS], Bungartz, F. 7831 [CDS], Bungartz, F. 7981 [CDS], Tehler, A. 8643 [CDS], Bungartz, F. 8400 [CDS], Jonitz, H. 1 [CDS], Yánez-Ayabaca, A. 1493 [CDS], Yánez-Ayabaca, A. 1494 [CDS], Rivas Plata, E. 4002 [CDS], Spielmann, A.A. 8217 [CDS], Yánez-Ayabaca, A. 1635 [CDS], Yánez-Ayabaca, A. 1619 [CDS], Yánez-Ayabaca, A. 1623 [CDS], Yánez-Ayabaca, A. 1649 [CDS], Yánez-Ayabaca, A. 1682 [CDS], Yánez-Ayabaca, A. 1726 [CDS], Bungartz, F. 8953 [CDS], Bungartz, F. 8962 [CDS], Bungartz, F. 9024 [CDS], Bungartz, F. 9066 [CDS], Bungartz, F. 9201 [CDS], Bungartz, F. 9539 [CDS], Bungartz, F. 9618 [CDS], Bungartz, F. 9707 [CDS], Bungartz, F. 9797 [CDS], Yánez-Ayabaca, A. 1982 [CDS], Yánez-Ayabaca, A. 1991 [CDS], Bungartz, F. 9418D [CDS], Bungartz, F. 9715 C [CDS], Jonitz, H. 69 [CDS], Weber, W.A. s.n. [CDS]

Haematomma rufidulum (Fée) A. Massal.

[*Lecanora rufidula* Fée]
K. Kalb 19432 [WIS]

Halecania

Halecania etayoana Palice, Van den Boom & Elix

Holotype PRM, Palice 2571, source: Van den Boom (2009)

Haleomyces

Haleomyces oropogonicola D. Hawksw. & Essl.

* = lichenicolous fungi (parasites on living lichens); on *Oropogon* sp., source: Etayo (2017); Etayo, J. 20019 [hb. Etayo]

Halojulella

Halojulella avicenniae (Borse) Suetrong, K.D. Hyde & E.B.G. Jones

[*Julella avicenniae* (Borse) K.D. Hyde, *Pleospora avicenniae* Borse]
+ = saprophytic fungi related to either lichens or lichenicolous fungi, on various substrates; so far reported only from the Galapagos, native, indigenous; Arboleda, F. 112 [CDS]

Helminthocarpon

Helminthocarpon leprevostii Fée

[*Graphis leprevostii* (Fée) Mont.]
source: Bungartz et al. (2013b), Benítez (2016), Benítez et al. (2019); Aptroot, A. 63307 [CDS], Aptroot, A. 64570 [CDS], Bungartz, F. 5712 [CDS], Bungartz, F. 6239 [CDS], Bungartz, F. 4405 [CDS], Bungartz, F. 4448 [CDS], Bungartz, F. 4390 [CDS], Bungartz, F. 5185 [CDS]

Hemigrapha

Hemigrapha strigulae Matzer

source: van den Boom et al. (2022)

Hemithecium

Hemithecium oryzaeforme (Fée) Staiger

source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007)

Heppia

Heppia adglutinata (Krempelh.) A. Massal.

[*Lecanora adglutinata* Kremp., *Pannaria adglutinata* (Kremp.) Nyl.]
source: Jørgensen and Palice (2015)

Heppia despreauxii (Mont.) Tuck.

[*Anema dodgei* Herre, *Solorina despreauxii* Mont., *Solorinaria despreauxii* Mont.]
source: Castillo-Monroy et al. (2016); Bungartz, F. 4308 [CDS], Aptroot, A. 64831 [CDS], Aptroot, A. 65138 [CDS]

Herpothallon

Herpothallon aurantiacoflavum (B. de Lesd.) Aptroot, Lücking & G. Thor

[*Chiodecton aurantiacoflavum* B. de Lesd.]
source: Déleg et. al (2021), Fernández-Prado et al. (2022); Klara Scharnagl 2270 [MSC], Klara Scharnagl 1986 [MSC]

Herpothallon cinereum G. Thor

source: Fernández-Prado et al. (2022)

Herpothallon confluenticum Aptroot & Lücking

native, indigenous, source: Bungartz et al. (2013b); Klara Scharnagl 2269 [MSC], Klara Scharnagl 1977 [MSC], Klara Scharnagl 2106 [MSC], Klara Scharnagl 2211 [MSC], Nugra, F. 135 [CDS], Nugra, F. 137 [CDS], Clerc, P. 08-114 [CDS], Bungartz, F. 3966 [CDS], Hillmann, G. GAL-81 [CDS], Aptroot, A. 65176 [CDS]

Herpothallon confusum G. Thor

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 206 [HUTPL]

Herpothallon echinatum Aptroot, Lücking & Will-Wolf

source: Bungartz et al. (2013b), Fernández-Prado et al. (2022); Aptroot, A. 64328 [CDS], Bungartz, F. 5616 [CDS], Aptroot, A. 64213 [CDS], Aptroot, A. 64330 [CDS], Bungartz, F. 10983 [CDS]

Herpothallon granulare (Sipman) Aptroot & Lücking

[*Cryptothecia granularis* Sipman]
source: Bungartz et al. (2013b, c), Benítez et al. (2015), Benítez (2016), Fernández-Prado et al. (2022); Bungartz, F. 5810 [CDS], Aptroot, A. 63314 [CDS], Aptroot, A. 63847 [CDS], Bungartz, F. 4238 [CDS], Aptroot, A. 64324 [CDS], Bungartz, F. 3283 [CDS], Bungartz, F. 4997 [CDS], Hillmann, G. GAL-19 [CDS], Hillmann, G. GAL-25 [CDS], Hillmann, G. GAL-56 [CDS], Hillmann, G. GAL-83 [CDS], Nugra, F. 889 [CDS], Nugra, F. 885 [CDS], Spielmann, A.A. 8226 [CDS], Bungartz, F. 9260 [CDS], Bungartz, F. 9312 [CDS], Bungartz, F. 9333 [CDS], Bungartz, F. 9379 [CDS], Bungartz, F. 9488 [CDS], Bungartz, F. 9631 [CDS], Bungartz, F. 9661 [CDS], Bungartz, F. 9671 [CDS], Bungartz, F. 9673 [CDS], Bungartz, F. 9678 [CDS], Nugra, F. 18 [CDS], Yánez-Ayabaca, A. 1841 [CDS], Bungartz, F. 7066 [CDS], Bungartz, F. 3943 [CDS], Bungartz, F. 3993 [CDS], Aptroot, A. 64212 [CDS], Bungartz, F. 9681 [CDS], Bungartz, F. 3470 B [CDS], Aptroot, A. 63787 [CDS], Bungartz, F. 3478 [CDS], Aptroot, A. 64867 [CDS], Bungartz, F. 10970 [CDS], Benítez, A. 207 [HUTPL]

Herpothallon hypoprotocetraricum G. Thor

source: Benítez et al. (2015); Benítez, A. 208 [HUTPL]

Herpothallon hypostictícum Bungartz & Elix

endemic to Galapagos, Holotype: Bungartz 3306 [CDS 26961], source: Bungartz et al. (2013b); Bungartz, F. 4972 A [CDS], Aptroot, A. 65713 [CDS], Bungartz, F. 4105 [CDS], Bungartz, F. 3489 [CDS], Bungartz, F. 3306 [CDS], Bungartz, F. 9423 [CDS], Nugra, F. 13 A [CDS], Nugra, F. 20 B [CDS], Bungartz, F. 6237 [CDS]

Herpothallon minimum Aptroot & Lücking

Klara Scharnagl 1840 [MSC], Klara Scharnagl 2015 [MSC], Klara Scharnagl 2157 [MSC], Klara Scharnagl 1951b [MSC]

Herpothallon nigroisidiatum G. Thor

source: Fernández-Prado et al. (2022)

Herpothallon philippinum (Vain.) Aptroot & Lücking

[*Chiodecton philippinum* Vain., *Cryptothecia philippina* (Vain.) G. Thor]
source: Fernández-Prado et al. (2022)

Herpothallon roseocinctum (Fr.) Aptroot, Lücking & G. Thor

[*Chiodecton sanguineum f. roseocincta* (Fr.) Vain., *Chiodecton sanguineum f. roseocinctum* (Fr.) Vain., *Herpothallon sanguineum f. roseocinctum* (Fr.) Tomas., *Hypochnus roseocinctus* (Fr.) Sacc., *Thelephora roseocincta* Fr.]
source: Benítez et al. (2015; as *Herpothallon* aff. *roseocinctum*, Fernández-Prado et al. (2022); Klara Scharnagl 2263b [MSC], Klara Scharnagl 2023 [MSC], Klara Scharnagl 2062 [MSC], Klara Scharnagl 2080 [MSC], Klara Scharnagl 2095 [MSC], Klara Scharnagl 2107 [MSC], Klara Scharnagl 2139 [MSC], Klara Scharnagl 2212 [MSC], Klara Scharnagl 2214 [MSC], Klara Scharnagl 2227 [MSC], Benítez, A. 205 [HUTPL]

Herpothallon rubrocinctum (Ehrenb.: Fr.) Aptroot, Lücking & G. Thor

[*Chiodecton rubrocinctum* (Ehrenb.) Nyl., *Chiodecton sanguineum* (Sw.) Vain., *Chiodecton sanguineum f. sanguineum* (Sw.) Vain., *Chiodecton sanguineum var. lutescens* Vain., *Chiodecton sanguineum var. sanguineum* (Sw.) Vain., *Corticium rubrocinctum* (Ehrenb.) Bres., *Cryptothecia rubrocincta* (Ehrenb.:Fr.) Thor, *Herpothallon sanguineum* (Sw.) Tobler, *Herpothallon sanguineum f. sanguineum* (Sw.) Tobler, *Hypochnus rubrocinctus* Ehrenb., *Hypochnus sanguineus* (Sw.) Kuntze, *Thelephora sanguinea* Sw.]
source: Müller (1879), Farlow (1902), Stewart (1912), Dodge (1935, 1936), Weber (1966, 1986), Elix & McCarthy (1998), LeDee (2000), Nöske & Sipman (2004), Paroly & Kürschner (2004), Nöske (2005), Nöske et al. (2007), Aptroot et al. (2009), Bungartz et al. (2013b), Benítez et al. (2015), Benítez (2016), Fernández-Prado et al. (2022); Klara Scharnagl 2236 [MSC], A. Johannsen 10-3a and 3b [WIS], A. Johannsen 14-3a [WIS], Alban N. Stewart 1906-01-03 [FH], Alban N. Stewart 1905-10-28 [FH], E.G. Worthley s.n. [BALT], Bungartz, F. 6891 [CDS], Herrera-Campos, M.A. GAL-477 [CDS], Bungartz, F. 8636 [CDS], Nugra, F. 606 [CDS], Bungartz, F. 3314 [CDS], Nugra, F. 226 [CDS], Aptroot, A. 63132 [CDS], Nugra, F. 12 [CDS], Aptroot, A. 65753 [CDS], Weber, W.A. s.n. [CDS], Bungartz, F. 3476 [CDS], Bungartz, F. 5828 [CDS], Bungartz, F. 4993 [CDS], Bungartz, F. 5735 [CDS], Bungartz, F. 6678 [CDS], Bungartz, F. 3270 [CDS], Bungartz, F. 3493 [CDS], Nugra, F. 593 [CDS], Bungartz, F. 8556 [CDS], Herrera-Campos, M.A. 10810 [CDS], Aptroot, A. 63866 [CDS], Herrera-Campos, M.A. 10644 [CDS], Bungartz, F. 4041 [CDS], Tehler, A. 8681 [CDS], Bungartz, F. 3989 [CDS], Ertz, D. 11551 [CDS], Nugra, F. 16 [CDS], Truong, C. 1205 [CDS], Truong, C. 1342 [CDS], Nugra, F. 253 [CDS], Jaramillo, P. 2979 [CDS], Aptroot, A. 65445 [CDS], Aptroot, A. 65050 [CDS], Bungartz, F. 4241 [CDS], Bungartz, F. 4943 [CDS], Anonymous s.n. [CDS], Rivas Plata, E. 4098 [CDS], Rivas Plata, E. 4052 [CDS], Clerc, P. 08-131 A [CDS], Yánez-Ayabaca, A. 1921 [CDS], Yánez-Ayabaca, A. 1945 [CDS], Bungartz, F. 7093 [CDS], Aptroot, A. 64606 [CDS], Nugra, F. 68 [CDS], Nugra, F. 1036 [CDS], Nugra, F. 1124 [CDS], Bungartz, F. 10982 [CDS], Rivas Plata, E. 4042 A [CDS], Bungartz, F. 10674 [CDS], Bungartz, F. 10861 [CDS], Bungartz, F. 10911 [CDS], Benítez, A. 209 [HUTPL], Arvidsson... 3971 [GB], Løjtnant... 135515 [GB], Anna Koffman 558 [INABIOEC-MECN-QCNE], Martha Cuascota 132 [INABIOEC-MECN-QCNE]

Herpothallon rubroechinatum Frisch & G. Thor

native, indigenous, source: Bungartz et al. (2013b); Bungartz, F. 3488 [CDS], Bungartz, F. 5511 [CDS], Bungartz, F. 3284 [CDS], Bungartz, F. 4972 B [CDS], Aptroot, A. 63826 [CDS], Nugra, F. 17 [CDS], Nugra, F. 19 [CDS], Aptroot, A. 64258 [CDS], Aptroot, A. 64323 [CDS]

Herpothallon saxorum Bungartz & Elix

native, questionably endem., Holotype: Bungartz 4874 [CDS 29073], source: Bungartz et al. (2013b, c); Bungartz, F. 7740 [CDS], Herrera-Campos, M.A. 10745 [CDS], Bungartz, F. 8111 [CDS], Bungartz, F. 7803 [CDS], Bungartz, F. 7793 [CDS], Bungartz, F. 4874 [CDS], Ertz, D. 11892 [CDS], Bungartz, F. 10333 [CDS]

Heterocephalacria

Heterocephalacria physciacearum (Diederich) Millanes & Wedin

[*Syzygospora physciacearum* Diederich]
* = lichenicolous fungi (parasites on living lichens); on *Leucodermia boryi* and *L. leucomelos*, *Heterodermia* spp., and *Physcia stellaris*, source: Diederich (1996), Etayo (2017); Etayo, J. 19965 [hb. Etayo], Etayo, J. 25501 [hb. Etayo], Etayo, J. 25632 [hb. Etayo]

Heterocyphelium

Heterocyphelium leucampyx (Tuck.) Vain.

[*Acolium leucampyx* (Tuck.) Tuck., *Acolium leucampyx var. leucampyx* (Tuck.) Tuck., *Acolium leucampyx var. minor* B. de Lesd., *Cyphelium leucampyx* (Tuck.) Zahlbr., *Cyphelium leucampyx var. leucampyx* (Tuck.) Zahlbr., *Cyphelium leucampyx var. minor* (B. de Lesd.) Zahlbr., *Trachylia leucampyx* Tuck., *Tylophoron triloculare* Müll.Arg.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 5733 [CDS], Bungartz, F. 5720 [CDS], Bungartz, F. 4311 [CDS], Bungartz, F. 4321 [CDS], Aptroot, A. 64864 [CDS], Nugra, F. 570 [CDS]

Heterodermia

Heterodermia andina Moberg

Holotype GB, Arvidsson & Arvidsson 3137a, source: Chuquimarca et al. (2019), Moberg (2011), van den Boom et al. (2022); Arvidsson, L.... 3137 a [GB], Lindström... 2456 [GB], Lindström... 2453 [GB], Lindström... 2455 [GB], Arvidsson... 4415 [GB], Arvidsson... 4403a [GB], Arvidsson... 4088 [GB], Arvidsson... 3197 [GB], Arvidsson... 1985-02-14 [GB]

Heterodermia antillarum (Vain.) Swinscow & Krog

[*Anaptychia granulifera var. antillarum* Vain., *Anaptychia tropica var. antillarum* (Vain.) Kurok.]
parasitized by *Lichenopeltella heterodermiicola*, source: Nöske et al. (2007), Etayo (2017); Bungartz, F. 7828 [CDS], Bungartz, F. 7835 [CDS], Weber, W.A. s.n. [CDS], Aptroot, A. 63098 [CDS], Aptroot, A. 63240 [CDS], Aptroot, A. 64781 [CDS], Bungartz, F. 4281 [CDS], Aptroot, A. 65392 [CDS], Bungartz, F. 4434 [CDS], Aptroot, A. 64071 [CDS], Bungartz, F. 4388 [CDS], Bungartz, F. 4313 [CDS], Bungartz, F. 4336 [CDS], Aptroot, A. 65155 [CDS], Aptroot, A. 63300 [CDS], Ertz, D. 11865 [CDS], Ertz, D. 12002 [CDS], Bungartz, F. 7857 [CDS], Nugra, F. 629 [CDS], Nugra, F. 647 [CDS], Yánez-Ayabaca, A. 2102 [CDS], Nugra, F. 611 [CDS], Bungartz, F. 9161 [CDS], Bungartz, F. 9158 [CDS], Bungartz, F. 10221 [CDS], Bungartz, F. 4672 [CDS], Bungartz, F. 5785 [CDS], Nugra, F. 591 [CDS], Bungartz, F. 10534 [CDS], Rivas Plata, E. 4058 [CDS], Nugra, F. 1122 [CDS], Bungartz, F. 7916 [CDS], Aptroot, A. 65268 [CDS], Bungartz, F. 8692 [CDS], Spielmann, A.A. 10723 [CDS], Bungartz, F. 6243 [CDS], Bungartz, F. 8651 [CDS], Yánez-Ayabaca, A. 1685 [CDS], Yánez-Ayabaca, A. 1689 [CDS], Bungartz, F. 9944 [CDS]

Heterodermia arvidssonii Moberg

Holotype GB, Arvidsson & Nilsson 996, source: Moberg (2011); Arvidsson, L.; Nilson, D. 996 [GB], Arvidsson... 1200 [GB]

Heterodermia barbifera (Nyl.) K. P. Singh

[*Anaptychia barbifera* (Nyl.) Trevis., *Anaptychia barbifera var. barbifera* (Nyl.) Trevis., *Anaptychia barbifera var. podocarpoides* Müll.Arg., *Physcia barbifera* Nyl., *Physcia barbifera var. barbifera* Nyl., *Physcia barbifera var. podocarpiza* Stizenb.]
parasitized by *Capronia muellerelloides* & *Xenonectriella vertebrata*, source: Etayo (2017), Nöske et al. (2007), Nöske (2005), Nöske & Sipman (2004); C. H. Dodson 2124 [WIS]

Heterodermia comosa (Eschw.) Follm. & Redón

[*Anaptychia comosa* (Eschw.) Trevis., *Anaptychia comosa var. comosa* (Eschw.) A. Massal., *Anaptychia comosa var. plana* Sambo,

Heterodermia comosa var. comosa (Eschw.) Follmann & Redón, *Heterodermia comosa var. plana* Sambo, *Parmelia comosa* Eschw., *Physcia comosa* Nyl.]

parasitized by *Arthonia heterodermiae* and *Capronia muellerelloides*, source: Weber (1986), Elix & McCarthy (1998), Nöske et al. (2007), Benítez et al. (2012, 2015), Etayo (2017), Chuquimarca et al. (2019), Moberg (2011); Bungartz, F. 4730 [CDS], Aptroot, A. 65563 [CDS], Ertz, D. 11922 [CDS], Nugra, F. 568 [CDS], Bungartz, F. 9326 [CDS], Bungartz, F. 7782 [CDS], Bungartz, F. 7549 [CDS], Nugra, F. 1067 [CDS], Bungartz, F. 10108 [CDS], Bungartz, F. 7656 [CDS], Benítez, A. 214 [HUTPL], Arvidsson... 1972 [GB], Andersson... 510 [GB], Arvidsson... 1970 [GB], Andersson, Lennart 981 [GB], Arvidsson... 1199 [GB], Arvidsson... 1857 [GB], Arvidsson... 1940 [GB], Arvidsson... 1571 [GB], Løjtnant... 14701 [GB], Arvidsson... 3817 [GB], Lindström... 2049 [GB], Gunnar Harling 1990 [S], Carla Cole 90 [INABIOEC-MECN-QCNE], T. Delinks 1267 [INABIOEC-MECN-QCNE], Etayo, J. 19942 [hb. Etayo], Etayo, J. 25709 [hb. Etayo], Etayo, J. 20091 [hb. Etayo], Etayo, J. 26238 [hb. Etayo], Etayo, J. 26248 [hb. Etayo]

Heterodermia diademata (Taylor) D. D. Awasthi v

[*Anaptychia diademata* (Taylor) Kurok., *Anaptychia diademata f. angustata* (Räsänen) Kurok., *Anaptychia diademata f. brachyloba* (Müll. Arg.) Kurok., *Anaptychia diademata f. condensata* (Kurok.) Kurok., *Anaptychia diademata f. diademata* (Taylor) Kurok., *Anaptychia major* (Nyl.) Vain., *Anaptychia speciosa var. major* (Nyl.) Zahlbr., *Heterodermia major* (Nyl.) Trevis., *Parmelia diademata* Taylor, *Physcia major* Nyl., *Physcia speciosa var. major* (Nyl.) Müll.Arg.]

F. Bungartz: wrongly keyed in Martins (2007); the species is fertile and has no vegetative propagules, source: Martins (2007), Nöske (2005), Nöske et al. (2007), Benítez et al. (2015), Chuquimarca et al. (2019), Moberg (2011); Aptroot, A. 65196 [CDS], Ertz, D. 11836 [CDS], Ertz, D. 11919 [CDS], Bungartz, F. 7695 [CDS], Bungartz, F. 6677 [CDS], Nugra, F. 1010 [CDS], Bungartz, F. 10341 A [CDS], Bungartz, F. 8159 [CDS], Bungartz, F. 7679 [CDS], Bungartz, F. 7632 [CDS], Spielmann, A.A. 10390 [CDS], Bungartz, F. 4186 [CDS], Bungartz, F. 7731 [CDS], Bungartz, F. 7696 [CDS], Benítez, A. 216 [HUTPL]

Heterodermia echinata (Taylor) Culb. v

[*Anaptychia echinata* (Taylor) Kurok., *Parmelia echinata* Taylor]

Etayo, J. 26248 [hb. Etayo]

Heterodermia flabellata (Fée) D.D. Awasthi v

[*Anaptychia flabellata* (Fée) A. Massal., *Parmelia flabellata* Fée]

parasitized by *Nanostictis heterodermiae*, source: Etayo (2017), Nöske et al. (2007), Nöske (2005), Nöske & Sipman (2004), Moberg (2011); Arvidsson... 2183 [GB], Arvidsson... 2181 [GB], Arvidsson... 2184 [GB], Arvidsson... 2178 [GB], Arvidsson... 2177 [GB], Arvidsson... 2176 [GB], Arvidsson... 2179 [GB], Andersson... 530 [GB], Andersson, Lennart 1457 [GB], Arvidsson... 2121 [GB], Arvidsson... 2123 [GB], Arvidsson... 2130 [GB], Arvidsson... 2125 [GB], Andersson, Lennart 830 [GB], Arvidsson... 690 [GB], Arvidsson... 4061 [GB], Arvidsson... 6425 [GB], Arvidsson... 3854 [GB], Lindström... 2056 [GB], Arvidsson... 6682 [GB], Lindström, Marie 2255 [GB], Holm-Nielsen... 3054 [GB], Arvidsson... 565 [GB], Etayo, J. 26352 [hb. Etayo]

Heterodermia galactophylla (Tuck.) Culb. v

[*Anaptychia galactophylla* (Tuck.) Trevis., *Parmelia ciliaris var. galactophylla* Tuck., *Parmelia speciosa var. galactophylla* (Tuck.) E. Michener, *Physcia galactophylla* (Tuck.) Nyl., *Physcia latifolia var. galactophylla* (Tuck.) Nyl., *Physcia leucomelos var. galactophylla* (Tuck.) Nyl., *Physcia speciosa var. galactophylla* (Tuck.) Tuck.]

parasitized by *Lichenopeltella heterodermiicola*, source: Nöske & Sipman (2004), Nöske et al. (2007), Mandl (2007), Benítez et al. (2012, 2015; as *H.* aff. *galactophylla* and *Heterodermia galactophylla*), Benítez (2016), Etayo (2017), Miquel & Bungartz (2017), Chuquimarca et al. (2019), Moberg (2011); Aptroot, A. 65105 [CDS], Bungartz, F. 3492 [CDS], Nugra, F. 237 [CDS], Nugra, F. 227 [CDS], Nugra, F. 382 [CDS], Nugra, F. 294 [CDS], Nugra, F. 367 [CDS], Nugra, F. 374 [CDS], Nugra, F. 54 [CDS], Nugra, F. 500 [CDS], Nugra, F. 509 [CDS], Aptroot, A. 65229 [CDS], Nugra, F. 506 [CDS], Bungartz, F. 5601 [CDS], Bungartz, F. 5609 [CDS], Bungartz, F. 5779 [CDS], Bungartz, F. 5595 [CDS], Bungartz, F. 7304 [CDS], Nugra, F. 385 [CDS], Yánez-Ayabaca, A. 2058 B [CDS], Benítez, A. 213 [HUTPL], Benítez, A. 217 [HUTPL], Arvidsson... 3700 [GB], Arvidsson... 3701 [GB], Arvidsson... 6768 [GB], Arvidsson... 6770 [GB], Andersson, Lennart 713 [GB], Arvidsson... 207 [GB], Arvidsson... 174 [GB], Arvidsson... 160 [GB], Arvidsson... 22 [GB], Arvidsson... 162 [GB], Arvidsson... 410 [GB], Arvidsson... 407 [GB], Arvidsson... 566 [GB], Arvidsson... 3887 [GB], Arvidsson... 3071 [GB], Lindström... 2258 [GB], Arvidsson... 2131 [GB], Arvidsson... 2129 [GB], Lindström... 2397 [GB], Arvidsson... 6388 [GB], Arvidsson... 6272 [GB], Etayo, J. 26357 [hb. Etayo]

Heterodermia granulifera (Ach.) Culb. v

[*Anaptychia granulifera* (Ach.) A. Massal., *Parmelia granulifera* Ach., *Physcia granulifera* (Ach.) Tuck., *Physcia hypoleuca var. granulifera* (Ach.) Hue, *Squamaria granulifera* (Ach.) A. Massal.]

source: Moberg (2011), Cevallos (2012); Arvidsson... 3135 [GB], Arvidsson... 4504 [GB]

Heterodermia hypochraea (Vain.) Swinscow & Krog v

source: Benítez et al. (2012, 2015); Benítez, A. 218 [HUTPL]

Heterodermia isidiophora (Nyl.) D.D. Awasthi v

[*Anaptychia speciosa f. isidiophora* (Nyl.) Zahlbr., *Physcia speciosa f. isidiophora* Nyl., *Pseudocyphellaria argyracea f. isidiophora* (Nyl.) H. Magn., *Sticta argyracea f. isidiophora* (Nyl.) Zahlbr.]

source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Mandl (2007), Moberg (2011), Benítez et al. (2012, 2015), Benítez (2016), Chuquimarca et al. (2019); K. Kalb 18671 [WIS], K. Kalb 18855 [WIS], K. Kalb 17041 [WIS], K. Kalb 19074 [WIS], Benítez, A. 220 [HUTPL], Arvidsson... 6657 [GB], Arvidsson... 6683 [GB], Arvidsson... 6655 [GB], Arvidsson... 3820 [GB], Lindström... 2090 [GB], Arvidsson... 2127 [GB], Andersson... 531 [GB], Arvidsson... 2307 [GB], Arvidsson... 2091 [GB], Andersson, Lennart 994 [GB], Gunnar Harling 1863 [S], Erik Asplund L 216 [S], Erik Asplund L165 [S], Erik Asplund L166 [S], Etayo, J. 19952 [hb. Etayo], Etayo, J. 26337 [hb. Etayo], Etayo, J. 26355 [hb. Etayo]

Heterodermia kurokawae Trass v

source: Moberg (2011), Cevallos Solórzano (2012); Lindström... 2186 [GB], Lindström... 2217 [GB], Arvidsson... 3811 [GB], Arvidsson... 4082 [GB], Arvidsson... 696 [GB]

Heterodermia lamelligera (Taylor) Trass v

[*Anaptychia dendritica var. lamelligera* (Taylor) Vain., *Anaptychia lamelligera* (Taylor) Kurok., *Parmelia lamelligera* Taylor]

parasitized by *Endococcus sipmanii*, source: Etayo (2017), van den Boom et al. (2022)

Heterodermia multiciliata (Kurok.) Trass v

[*Anaptychia multiciliata* Kurok.]

source: Moberg (2011), Cevallos Solórzano (2012)

Heterodermia obscurata (Nyl.) Trevisan v

[*Anaptychia heterochroa* Vain., *Anaptychia hypoleuca var. colorata* Zahlbr., *Anaptychia obscurata* (Nyl.) Vain., *Anaptychia obscurata var. obscurata* (Nyl.) Vain., *Anaptychia obscurata var. serpens* Vain., *Anaptychia sorediifera* (Müll. Arg.) Du Rietz & Lynge, *Anaptychia sorediifera var. colorata* (Zahlbr.) Nádv., *Anaptychia sorediifera var. sorediifera* (Müll. Arg.) Du Rietz & Lynge, *Heppia obscuratula* Nyl., *Peltula obscuratula* (Nyl.) Poelt ex Egea, *Physcia obscurata* Nyl.]

source: Davey (1999), Moberg (2011); Aptroot, A. 65317 [CDS], Aptroot, A. 63217 [CDS], Bungartz, F. 3957 [CDS], Bungartz, F. 3307 [CDS], Aptroot, A. 64228 [CDS], Bungartz, F. 4112 [CDS], Aptroot, A. 65701 [CDS], Bungartz, F. 5600 [CDS], Bungartz, F. 6800 [CDS], Bungartz, F. 6879 [CDS], Bungartz, F. 7486 [CDS], Bungartz, F. 8510 [CDS], Jonitz, H. 36 [CDS], Bungartz, F. 9321 [CDS], Bungartz, F. 9482 [CDS], Bungartz, F. 10134 [CDS], Bungartz, F. 3893 [CDS], Bungartz, F. 10540 [CDS], Bungartz, F. 9575 [CDS], Aptroot, A. 64824 [CDS], Yánez-Ayabaca, A. 1893 [CDS], Yánez-Ayabaca, A. 2143 [CDS], Truong, C. 1150 [CDS]

Heterodermia palpebrata (Taylor) Vain. v

source: Benítez et al. (2012, 2015); Benítez, A. 224 [HUTPL]

Heterodermia podocarpa (Bél.) D.D. Awasthi v

[*Anaptychia podocarpa* (Bél.) A. Massal., *Anaptychia podocarpa var. conferta* Vain., *Anaptychia podocarpa var. podocarpa* (Bél.) A. Massal., *Heterodermia podocarpa var. podocarpa* (Bél.) D.D. Awasthi, *Parmelia podocarpa* Bél., *Physcia leucomelos var. podocarpa* (Bél.) Nyl.]

source: Dodge (1936), Weber (1966), Moberg (2011), Miquel & Bungartz (2017); Ertz, D. 11901 [CDS], Bungartz, F. 3519 [CDS], Aptroot, A. 65541 [CDS], Bungartz, F. 4116 [CDS], Bungartz, F. 5000 [CDS], Bungartz, F. 6819 [CDS], Bungartz, F. 6835 [CDS], Bungartz, F. 7658 [CDS], Truong, C. 1207 [CDS], Truong, C. 1520 [CDS], Bungartz, F. 8266 [CDS], Bungartz, F. 8277 [CDS], Bungartz, F. 8361 [CDS], Bungartz, F. 8486 [CDS], Herrera-Campos, M.A. GAL-425 [CDS], Aptroot, A. 65216 [CDS], Spielmann, A.A. 10462 [CDS], Spielmann, A.A. 10428 [CDS], Clerc, P. 08-285 [CDS], Anna Koffman 548 [INABIOEC-MECN-QCNE]

Heterodermia pseudospeciosa (Kurok.) Culb.

[*Anaptychia pseudospeciosa* Kurok., *Anaptychia pseudospeciosa f. pseudospeciosa* Kurok., *Anaptychia pseudospeciosa f. tagawae* Kurok., *Anaptychia pseudospeciosa var. inactiva* Kurok., *Anaptychia pseudospeciosa var. pseudospeciosa* Kurok.]
source: Chuquimarca et al. (2019); Spielmann, A.A. 10471 [CDS]

Heterodermia sitchensis Goward & W. Noble

source: Benítez et al. (2012, 2015), Chuquimarca et al. (2019); Benítez, A. 225 [HUTPL]

Heterodermia spathulifera Moberg & Purvis

source: Moberg (2011), Cevallos (2012), Benítez et al. (2012, 2015), Chuquimarca et al. (2019); Benítez, A. 226 [HUTPL], Arvidsson... 2185 [GB], Arvidsson... 2189 [GB], Arvidsson... 406 [GB]

Heterodermia speciosa (Wulfen) Trevisan

[*Alectoria speciosa* (Wulfen) A. Massal., *Anaptychia pseudospeciosa var. tremulans* (Müll. Arg.) Kurok., *Anaptychia speciosa* (Wulfen) A. Massal., *Anaptychia speciosa f. brachyloba* (Müll.Arg.) Zahlbr., *Anaptychia speciosa f. cinerascens* (Nyl.) Müll.Arg., *Anaptychia speciosa f. cubana* B. de Lesd., *Anaptychia speciosa f. foliolosa* C. Moreau & M. Moreau, *Anaptychia speciosa f. isidiosa* (Nyl.) Zahlbr., *Anaptychia speciosa f. sorediosa* (Müll.Arg.) Zahlbr., *Anaptychia speciosa f. spathulata* Vain., *Anaptychia speciosa f. speciosa* (Wulfen) A. Massal., *Anaptychia speciosa f. subimbricata* (Räsänen) M. Satô, *Anaptychia speciosa var. angustiloba* (Müll.Arg.) Zahlbr., *Anaptychia speciosa var. esorediata* Vain., *Anaptychia speciosa var. linearilobа* Müll.Arg., *Anaptychia speciosa var. lobulifera* Vain., *Anaptychia speciosa var. mexicana* B. de Lesd., *Anaptychia speciosa var. microspora* Kurok., *Anaptychia speciosa var. speciosa* (Wulfen) A. Massal., *Anaptychia speciosa var. stellata* Tuck., *Borrera speciosa* (Wulfen) Mudd, *Dimelaena speciosa* (Wulfen) Norman, *Hagenia speciosa* (Wulfen) De Not., *Heterodermia pseudospeciosa var. tremulans* (Müll. Arg.) Kurok., *Imbricaria speciosa* (Wulfen) DC., *Lichen speciosus* Wulfen, *Lobaria speciosa* (Wulfen) Hoffm., *Parmelia speciosa* (Wulfen) Ach., *Parmelia speciosa f. fagorum* Britzelm., *Parmelia speciosa f. speciosa* (Wulfen) Ach., *Physcia speciosa* (Wulfen) Nyl., *Physcia speciosa f. brachyloba* Müll.Arg., *Physcia speciosa f. cinerascens* Nyl., *Physcia speciosa f. coralligera* Müll.Arg., *Physcia speciosa f. pulvinigera* Müll.Arg., *Physcia speciosa f. sorediosa* Müll.Arg., *Physcia speciosa f. speciosa* (Wulfen) Nyl., *Physcia speciosa f. subgranulosa* Tuck., *Physcia speciosa var. angustiloba* Müll.Arg., *Physcia speciosa var. dactyliza* Nyl., *Physcia speciosa var. speciosa* (Wulfen) Nyl., *Pseudophyscia speciosa* (Wulfen) Müll. Arg., *Pseudophyscia speciosa var. speciosa* (Wulfen) Müll. Arg., *Squamaria speciosa* (Wulfen) Frege, *Xanthoria speciosa* (Wulfen) Horw., *Xanthoria speciosa var. hypoleuca* (Muhl.) Horw., *Xanthoria speciosa var. speciosa* (Wulfen) Horw.]
parasitized by *Sphaerellothecium gallowayi*, source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Moberg (2011), Chuquimarca et al. (2019), Etayo (2017); Aptroot, A. 65458 [CDS], Bungartz, F. 9831 [CDS], Arvidsson... 2245 [GB], Arvidsson... 2243 [GB], Arvidsson... 2244 [GB], Arvidsson... 2180 [GB], Arvidsson... 3813 [GB], Arvidsson... 4509 [GB], Arvidsson... 3039 [GB], Arvidsson... 3049 [GB], Lindström... 2218 [GB], Etayo, J. 25374 [hb. Etayo]

Heterodermia spinigera (Kurok.) Kurok.

[*Anaptychia spinigera* Kurok.]
source: Moberg (2011), Cevallos Solórzano (2012); Ståhl... 439 [GB]

Heterodermia squamulosa (Degel.) Culb.

[*Anaptychia squamulosa* Degel.]
source: Weber (1986), Elix & McCarthy (1998), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Mandl (2007), Moberg (2011), Chuquimarca et al. (2019); Aptroot, A. 65094 [CDS], Bungartz, F. 4032 [CDS], Aptroot, A. 65177 [CDS], Bungartz, F. 6285 [CDS], Bungartz, F. 6681 [CDS], Bungartz, F. 6708 [CDS], Bungartz, F. 6716 [CDS], Nugra, F. 307 [CDS], Nugra, F. 308 [CDS], Nugra, F. 299 [CDS], Nugra, F. 310 [CDS], Nugra, F. 396 [CDS], Bungartz, F. 6911 [CDS], Bungartz, F. 6923 [CDS], Bungartz, F. 7538 [CDS], Bungartz, F. 8318 [CDS], Bungartz, F. 4167 [CDS], Bungartz, F. 4004 [CDS], Spielmann, A.A. 10371 [CDS], Spielmann, A.A. 10476 [CDS], Spielmann, A.A. 10477 [CDS], Spielmann, A.A. 10481 [CDS], Spielmann, A.A. 10518 [CDS], Spielmann, A.A. 10522 [CDS], Spielmann, A.A. 10546 [CDS], Nugra, F. 1055 [CDS], Nugra, F. 1063 [CDS], Nugra, F. 1064 [CDS], Nugra, F. 1066 [CDS], Bungartz, F. 10342 [CDS], Bungartz, F. 10343 [CDS], Nugra, F. 1120 [CDS], Nugra, F. 1132 [CDS], Spielmann, A.A. 10490 [CDS], Spielmann, A.A. 10491 [CDS], Spielmann, A.A. 10478 [CDS], Ertz, D. 11838 A [CDS]

Heterodermia stellata (Vain.) W.A. Weber

[*Anaptychia podocarpa var. stellata* Vain., *Anaptychia stellata* (Vain.) Kurok., *Anaptychia stellata var. stellata* (Vain.) Kurok., *Heterodermia podocarpa var. stellata* Vain., *Heterodermia stellata var. stellata* (Vain.) W.A. Weber]
K. Kalb 18844 [WIS]

Heterodermia subcitrina Moberg

source: Benítez et al. (2012, 2015); Benítez, A. 227 [HUTPL]

Heterodermia subcomosa (Nyl.) Elix

[*Anaptychia subcomosa* (Nyl.) Vain., *Physcia barbifera var. subcomosa* (Nyl.) Müll. Arg., *Physcia latifolia var. subcomosa* (Nyl.) Nyl., *Physcia leucomelos var. subcomosa* Nyl.]
problematic, no modern record, source: Romeguère (1879), Müller (1879)

Heterodermia trichophora (Kurok.) Trass

[*Anaptychia trichophora* Kurok.]
source: Moberg (2011), Cevallos Solórzano (2012); Andersson, Lennart 957 [GB], Andersson, Lennart 1900 [GB]

Heterodermia urtasuni Chaves, Umaña & Sipman

source: van den Boom et al. (2022)

Heterodermia verrucifera (Kurok.) W.A. Weber

[*Anaptychia leucomelaena f. verrucifera* Kurok., *Heterodermia leucomelaena f. verrucifera* Kurok., *Heterodermia leucomelos f. verrucifera* Kurok.]
source: Nöske et al. (2007); Weber, W. A 130589 [MSC], Aptroot, A. 63223 [CDS], Aptroot, A. 65042 [CDS], Aptroot, A. 64052 [CDS], Bungartz, F. 3500 [CDS], Bungartz, F. 4166 [CDS], Bungartz, F. 5719 A [CDS], Bungartz, F. 6664 [CDS], Bungartz, F. 5724 [CDS], Bungartz, F. 5814 [CDS], Bungartz, F. 4734 A [CDS], Nugra, F. 432 [CDS], Ertz, D. 11563 [CDS], Ertz, D. 11584 [CDS], Ertz, D. 11925 [CDS], Bungartz, F. 7108 [CDS], Bungartz, F. 7659 [CDS], Bungartz, F. 7753 [CDS], Nugra, F. 547 [CDS], Nugra, F. 625 [CDS], Herrera-Campos, M.A. 10620 [CDS], Herrera-Campos, M.A. 10784 [CDS], Tehler, A. 8675 [CDS], Jonitz, H. 37 [CDS], Yánez-Ayabaca, A. 1496 A [CDS], Nugra, F. 914 [CDS], Bungartz, F. 9501 [CDS], Bungartz, F. 4031 [CDS], Aptroot, A. 65635 [CDS], Bungartz, F. 10959 [CDS], Clerc, P. 08-28 [CDS], Clerc, P. 08-423 [CDS], Truong, C. 1497 [CDS], Rivas Plata, E. 4047 [CDS]

Homostegia

Homostegia pelvetii (Hepp ex Linds.) Cooke

[*Arthonia pelvetii* (Hepp ex Linds.) H. Olivier, *Arthonia vagans subsp. pelvetii* Hepp ex Almq., *Celidium pelvetii* Hepp ex Linds., *Conida pelvetii* (Hepp ex Linds.) Arnold, *Conida pelvetii f. pelvetii* (Hepp ex Linds.) Arnold, *Conida pelvetii f. solorinae* Rehm]
* = lichenicolous fungi (parasites on living lichens); on *Pseudocyphellaria aurata*, source: Etayo (2017)

Huneckia

Huneckia pollinii (A. Massal.) S.Y. Kondr., Kärnefelt, Elix, A. Thell, Jung Kim, A.S. Kondr. & Hur

[*Blastenia pollinii* A. Massal., *Callopisma ferrugineum var. pollinii* (A. Massal.) Bagl., *Callopisma pollinii* (A. Massal.) Trevis., *Caloplaca cinnamomea subsp. nigricans* (Nyl.) Malme, *Caloplaca phaeocarpella* (Nyl.) Zahlbr., *Caloplaca pollinii* (A. Massal.) Jatta, *Caloplaca pollinii var. major* B. de Lesd., *Caloplaca pollinii var. pollinii* (A. Massal.) Jatta, *Lecanora ferruginea var. nigricans* Nyl., *Lecanora phaeocarpella* Nyl., *Lecanora pollinii* (A. Massal.) Massee, *Lecidea phaeocarpella* (Nyl.) Hue, *Lecidea pollinii* (A. Massal.) Hue, *Physcia phaeocarpa* (Nyl.) Hue, *Placodium ferrugineum f. pollinii* (A. Massal.) Tuck., *Placodium ferrugineum subsp. pollinii* (A. Massal.) Fink, *Placodium ferrugineum var. pollinii* (A. Massal.) Hepp, *Placodium phaeocarpellum* (Nyl.) A.L. Sm., *Placodium pollinii* (A. Massal.) A.L. Sm.]
K. Kalb 19536 [WIS]

Huneckia wrightii (Tuck.) Arup, Søchting & Bungartz

[*Caloplaca hensseniana* Kalb, *Caloplaca neotropica* Wetmore, *Caloplaca wrightii* (Willey) Fink, *Placodium ferrugineum var. wrightii* Willey]

source: Benítez et al. (2019), Bungartz et al. (2020b); Aptroot, A. 64964 A [CDS], Ertz, D. 11754 [CDS], Bungartz, F. 7222 [CDS], Nugra, F. 892 B [CDS], Bungartz, F. 6469 [CDS], Bungartz, F. 8943 [CDS], Bungartz, F. 8946 [CDS], Bungartz, F. 4383 [CDS], Miranda, R. 962 [CDS], Aptroot, A. 63035 [CDS], Aptroot, A. 63962 [CDS], Aptroot, A. 64486 [CDS], Aptroot, A. 63246 [CDS], Aptroot, A. 64787 [CDS], Aptroot, A. 64966 [CDS], Aptroot, A. 65352 [CDS], Yánez-Ayabaca, A. 1797 [CDS], Yánez-Ayabaca, A. 1785 [CDS], Bungartz, F. 8899 [CDS], Bungartz, F. 6245 [CDS], Bungartz, F. 7975 [CDS], Bungartz, F. 9410 [CDS], Bungartz, F. 3558 [CDS], Bungartz, F. 7264 [CDS], Bungartz, F. 7276 [CDS], Bungartz, F. 4636 [CDS], Bungartz, F. 3877 [CDS], Bungartz, F. 7858 [CDS], Bungartz, F. 5690 [CDS], Bungartz, F. 7974 [CDS], Bungartz, F. 3880 [CDS], Nugra, F. 130 [CDS], Aptroot, A. 63795 [CDS], Yánez-Ayabaca, A. 1684 [CDS], Aptroot, A. 65379 B [CDS], Bungartz, F. 5305 [CDS]

Hyalopeziza

Hyalopeziza heterodermiae Etayo

* = lichenicolous fungi (parasites on living lichens); on *Heterodermia leucomelos*, Holotype QCA, Etayo 26405, source: Etayo (2017); J. Etayo 26405 [hb. Etayo], Etayo, J. 26405 [QCAM]

Hyperphyscia

Hyperphyscia adglutinata (Flörke) H. Mayrh. & Poelt

[*Dimelaena adglutinata* (Flörke) Trevis., *Hagenia adglutinata* (Flörke) Bagl. & Carestia, *Hagenia elaeina* (Sm.) Bagl., *Hyperphyscia adglutinata var. adglutinata* (Flörke) H. Mayrhofer & Poelt, *Imbricaria adglutinata* (Flörke) Chevall., *Parmelia adglutinata* (Flörke) Flörke, *Parmelia obscura var. adglutinata* (Flörke) Schaer., *Physcia adglutinata* (Flörke) Nyl., *Physcia adglutinata f. adglutinata* (Flörke) Nyl., *Physcia adglutinata f. sorediata* Nyl., *Physcia adglutinata subsp. adglutinata* (Flörke) Nyl., *Physcia adglutinata var. adglutinata* (Flörke) Nyl., *Physcia adglutinata var. lepraeformis* (Flörke) Zahlbr., *Physcia elaeina* (Sm.) A.L. Sm., *Physcia elaeina f. albida* B. de Lesd., *Physcia elaeina f. elaeina* (Sm.) A.L. Sm., *Physcia elaeina f. pyrithrocardia* (Müll. Arg.) J.W. Thomson, *Physcia elaeina f. tenuissima* Nádv., *Physcia elaeina var. elaeina* (Sm.) A.L. Sm., *Physcia elaeina var. subvirella* Nyl., *Physciopsis adglutinata* (Flörke) M. Choisy, *Physciopsis elaeina* (Sm.) Poelt, *Physciopsis elaeina var. elaeina* (Sm.) Poelt, *Physciopsis elaeina var. pyrithrocardia* (Müll. Arg.) D.D. Awasthi & Kr.P. Singh, *Squamaria elaeina* (Sm.) Hook., *Xanthoria adglutinata* (Flörke) Horw., *Xanthoria adglutinata f. adglutinata* (Flörke) Horw., *Xanthoria adglutinata f. sorediata* (Nyl.) Horw.]

parasitized by *Buelliella physciicola*, source: Dodge (1936), Weber (1966, 1986), Benítez et al. (2019), van den Boom et al. (2022); Weber, W.A. 49 [CDS], Bungartz, F. 6977 [CDS], Bungartz, F. 9690 [CDS], Benítez, A. 36 [HUTPL]

Hyperphyscia cochlearis Scutari

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 4522 [CDS], Bungartz, F. 4524 [CDS], Bungartz, F. 4526 [CDS], Bungartz, F. 4529 [CDS], Bungartz, F. 5181 [CDS], Aptroot, A. 64932 [CDS], Bungartz, F. 4587 [CDS], Aptroot, A. 65460 [CDS], Aptroot, A. 65355 [CDS]

Hyperphyscia confusa Essl., C. A. Morse, & S. Leavitt

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 4588 [CDS], Bungartz, F. 4384 [CDS], Bungartz, F. 5107 [CDS], Bungartz, F. 5716 [CDS], Bungartz, F. 6539 B [CDS], Bungartz, F. 9605 [CDS], Aptroot, A. 63446 B [CDS], Yánez-Ayabaca, A. 1611 [CDS], Bungartz, F. 9056 B [CDS]

Hyperphyscia endochrysea (Nyl.) Filippini, Quiroga, J.M. Rodr. & Estrabou

[*Physcia endochrysea* (Nyl.) Hampe, *Physcia obscura f. endochrysea* Nyl.]

source: Chuquimarca et al. (2019), Benítez et al. (2019); Benítez, A. 61 [HUTPL]

Hyperphyscia granulata (Poelt) Moberg

[*Physciopsis granulata* Poelt]

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Nugra, F. 479 [CDS], Bungartz, F. 7181 [CDS], Bungartz, F. 7210 [CDS], Bungartz, F. 7364 [CDS], Bungartz, F. 9115 [CDS], Bungartz, F. 9234 [CDS]

Hyperphyscia isidiata Moberg

source: van den Boom et al. (2022)

Hyperphyscia minor (Fée) Kalb

[*Dimelaena minor* (Fée) Trevis., *Hyperphyscia minor* (Fée) D.D. Awasthi nom. illegit., *Parmelia minor* Fée, *Physcia adglutinata f. minor* (Fée) Nyl., *Physcia adglutinata var. minor* (Fée) Nyl.,, *Physcia minor* (Fée) Vain., *Physciopsis minor* (Fée) B.J. Moore]

K. Kalb & A. Kalb 1987-07-27 [UPS], K. Kalb, A. Kalb 1987-08-27 [O], 41855 [TNS]

Hyperphyscia pandani (H. Magn.) Moberg

[*Physcia pandani* H. Magn., *Physcia pandani f. pandani* H. Magn.]

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 8548 [CDS], Bungartz, F. 8550 [CDS], Bungartz, F. 10184 B [CDS]

Hyperphyscia pruinosa Moberg

source: van den Boom et al. (2022)

Hyperphyscia pseudocoralloides Scutari

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 5155 [CDS], Bungartz, F. 5114 [CDS], Bungartz, F. 6560 [CDS], Bungartz, F. 6996 [CDS], Bungartz, F. 10184 A [CDS], Aptroot, A. 64038 [CDS]

Hyperphyscia pyrithrocardia (Müll. Arg.) Moberg & Aptroot

[*Physcia adglutinata var. pyrithrocardia* Müll.Arg.]

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Hillmann, G. GAL-65 [CDS]

Hyperphyscia syncolla (Tuck. ex Nyl.) Kalb

[*Physcia syncolla* Tuck. ex Nyl., *Physcia syncolla f. syncolla* Tuck. ex Nyl., *Physciopsis syncolla* (Tuck. ex Nyl.) Poelt, *Physciopsis syncolla var. syncolla* (Tuck. ex Nyl.) Poelt]

Andersson... 552 [GB], Andersson... 554 [GB]

Hypoflavia

Hypoflavia velloziae (Kalb) Marbach

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 229 [HUTPL], Benítez, A. 230 [HUTPL]

Hypogymnia

Hypogymnia bitteri (Lynge) Ahti

[*Hypogymnia protea* Goward, T.Sprib. & Ahti, *Parmelia bitteri* Lynge]

source: van den Boom et al. (2022); Etayo, J. 25740 [hb. Etayo], Etayo, J. 25861 [hb. Etayo], Etayo, J. 25884 [hb. Etayo]

Hypotrachyna

Hypotrachyna afrorevoluta (Krog & Swinscow) Krog & Swinscow

[*Parmelia afrorevoluta* Krog & Swinscow, *Parmelinopsis afrorevoluta* (Krog & Swinscow) Elix & Hale]

R. C. Harris 17207 [NY]

Hypotrachyna americana (Meyen & Flot.) Divakar, A. Crespo, Sipman, Elix & Lumbsch

[*Cetrariastrum americanum* (Meyen & Flot.) W.L. Culb. & C.F. Culb., *Evernia americana* Meyen & Flot., *Evernia americana f. americana* Meyen & Flot., *Everniastrum americanum* (Meyen & Flot.) Hale ex Sipman, *Everniopsis americana* Meyen & Flot., *Imbricaria camtschadalis var. americana* (Meyen & Flot.) Jatta, *Parmelia americana* Meyen & Flot., *Parmelia americana var. americana* Meyen & Flot., *Parmelia camtschadalis f. americana* (Meyen & Flot.) Nyl., *Parmelia camtschadalis var. americana* (Meyen & Flot.) Nyl., *Parmelia cirrhata f. americana* (Mont.) Asahina, *Parmelia cirrhata var. americana* (Mont.) Räsänen]

problematic, no modern record, source: Müller (1879; as *Parmelia camtschadalis* var. *americana*), Romeguère (1879), Zahlbruckner (1905, 1907)

Hypotrachyna andensis Hale v

source: Sipman et al. (2009), Yánez-Ayabaca (2009), van den Boom et al. (2022); Arvidsson... 6043 [GB], Arvidsson... 5527 [GB], Arvidsson... 3394 [GB], Arvidsson... 3336 [GB], Arvidsson... 4317 [GB], Arvidsson... 7209 [GB], Arvidsson... 4242 [GB], Arvidsson... 5833 [GB], Arvidsson... 1958 [GB], Etayo, J. 25662 [hb. Etayo]

Hypotrachyna arsenei (Hale & M. Wirth) Divakar, A. Crespo, Sipman, Elix & Lumbsch v

[*Cetrariastrum arsenei* (Hale & M. Wirth) W.L. Culb. & C.F. Culb., *Everniastrum arsenei* (Hale & M. Wirth) Hale ex Sipman, *Parmelia arsenei* Hale & M. Wirth]
source: Culberson & Culberson (1981), Elix & McCarthy (1998), Weber (1981, 1986), Nöske et al. (2007), Nöske & Sipman (2004), Sipman (1992), Yánez-Ayabaca (2009); Andersson... 504b [GB], Lindström, Marie 1009 [GB]

Hypotrachyna arvidssonii (Sipman) Divakar, A. Crespo, Sipman, Elix & Lumbsch v

[*Everniastrum arvidssonii* Sipman]
Holotype GB, Arvidsson 357b, source: Sipman (1992), Jørgensen & Arvidsson (2004); Andersson, L. 357 b [GB], Arvidsson... 2328 [GB]

Hypotrachyna bogotensis (Vain.) Hale v

[*Parmelia bogotensis* Vain., *Parmelia culmigena* Zahlbr.]
the Type of *Parmelia culmigena* is Meyer 381: EI Altar: Auf Rinden (?), bei 4000 m Seehöhe, source: Zahlbruckner (1905, 1907; as *Parmelia culmigena*), Sipman et al. (2009), Yánez-Ayabaca (2009), Benítez et al. (2012, 2015); K. Kalb 18412 [WIS], K. Kalb 18369 [WIS], Benítez, A. 232 [HUTPL], Arvidsson... 6497a [GB], Arvidsson... 6543 [GB], Arvidsson... 2811 [GB], Arvidsson... 2817 [GB], Arvidsson... 2818 [GB], Arvidsson... 2828 [GB], Arvidsson... 2829 [GB], Arvidsson... 2830 [GB], Arvidsson... 5683 [GB], Arvidsson... 5849 [GB], Arvidsson... 5611 [GB], Arvidsson... 5661 [GB], Arvidsson... 771 [GB], Arvidsson... 5554 [GB], Arvidsson... 5710 [GB], Arvidsson... 5709 [GB], Arvidsson... 3750 [GB], Arvidsson... 6065 [GB], Arvidsson... 3754 [GB], Arvidsson... 4789 [GB], Arvidsson... 4786 [GB], Arvidsson... 4715 [GB], Arvidsson... 2080 [GB], Arvidsson... 1650 [GB], Arvidsson... 1703 [GB], Arvidsson... 1617 [GB], Arvidsson... 1696 [GB], Arvidsson... 1115 [GB], Arvidsson... 4171 [GB], Arvidsson... 4174 [GB], Arvidsson... 4296 [GB], Arvidsson... 4360 [GB], Arvidsson... 7207 [GB], Arvidsson... 7212 [GB], Arvidsson... 7149 [GB], Arvidsson... 6921 [GB], Arvidsson... 7070 [GB], Arvidsson... 1985-03-03 [GB], Holm-Nielsen... 3378 [GB], Holm-Nielsen... 3368 [GB], Arvidsson... 6265 [GB], Arvidsson... 3387 [GB], Arvidsson... 984 [GB], Arvidsson... 3404 [GB], Andersson, Lennart 55 [GB]

Hypotrachyna boquetensis (Hale) Hale v

[*Parmelia boquetensis* Hale]
source: Yánez-Ayabaca (2009)

Hypotrachyna brevidactylata Sipman, Elix & T.H. Nash v

Holotype GB, Arvidsson et al. 6296, source: Sipman et al. (2009); Arvidsson, L.... 6296 [GB], Arvidsson... 961 [GB]

Hypotrachyna brevirhiza (Kurok.) Hale v

[*Parmelia brevirhiza* Kurok., *Parmelia lusitaniensis* Filson]
source: Sipman et al. (2009), Yánez-Ayabaca (2009), van den Boom et al. (2022); Denns H. Knight 1084B [WIS], L. Arvidsson & D. Nilson 960 [US], Arvidsson... 5492 [GB], Arvidsson... 5610 [GB], Arvidsson... 5614 [GB], Arvidsson... 5627 [GB], Arvidsson... 5684 [GB], Arvidsson... 5916 [GB], Arvidsson... 916 [GB], Arvidsson... 960 [GB], Arvidsson... 6496 [GB], Arvidsson... 1101 [GB], Arvidsson... 2700 [GB], Arvidsson... 2758 [GB], Arvidsson... 2762 [GB], Arvidsson... 6297 [GB]

Hypotrachyna caraccensis (Taylor) Hale v

[*Parmelia caraccensis* Taylor, *Parmelia caraccensis f. caraccensis* Taylor, *Parmelia caraccensis var. caraccensis* Taylor, *Parmelia cervicornis f. caraccensis* (Taylor) Hue, *Parmelia sinuosa var. caraccensis* (Taylor) Linds.]
parasitized by *Arctomia* cf. *interfixa*, source: Sipman et al. (2009), Cevallos Solórzano (2012), Etayo (2017); K. Kalb 18599 [WIS], K. Kalb 18574 [WIS], K. Kalb 18645 [WIS], K. Kalb 18598 [WIS], Calvin R. Sperling 5117 [hb. Esslinger], Arvidsson... 4244 [GB], Arvidsson... 4245 [GB], Arvidsson... 4314 [GB], Arvidsson... 4164 [GB], Arvidsson... 4172 [GB], Arvidsson... 6837 [GB], Arvidsson... 6542 [GB], Arvidsson... 6538 [GB], Arvidsson... 6529 [GB], Arvidsson... 6539 [GB], Arvidsson... 1983-07-08 [GB], Holm-Nielsen... 6472 [GB], Arvidsson... 6535 [GB], Etayo, J. 20017 [hb. Etayo]

Hypotrachyna carchiensis Yánez-Ayabaca & Eliasaro v

Holotype QAP, Yánez-Ayabaca 1453b, source: Yánez-Ayabaca & Eliasaro (2009), Yánez-Ayabaca (2009)

Hypotrachyna catawbiensis (Degel.) Divakar, A. Crespo, Sipman, Elix & Lumbsch v

[*Cetrariastrum catawbiense* (Degel.) W.L. Culb. & C.F. Culb., *Everniastrum catawbiense* (Degel.) Hale ex Sipman, *Parmelia catawbiensis* (Degel.) Hale & M. Wirth, *Parmelia sorocheila var. catawbiensis* Degel.]
source: Culberson & Culberson (1981), Sipman (1992), Yánez-Ayabaca (2009); R. C. Harris 17136A [NY], R. C. Harris 17215 [NY], R. C. Harris 17451 [NY], R. C. Harris 17634 [NY], Arvidsson... 7063 [GB], Arvidsson... 1979-02-15 [GB], Arvidsson... 4198b [GB], Arvidsson... 6977 [GB], Arvidsson... 2802 [GB]

Hypotrachyna chicitae (Hale) Hale v

[*Hypotrachyna cinerascens* Kurok. & K.H. Moon, *Parmelia chicitae* Hale]
source: Sipman et al. (2009), Yánez-Ayabaca (2009); K. Kalb 19092 [WIS], Arvidsson... 6121 [GB], Arvidsson... 4240 [GB], Arvidsson... 4239 [GB], Arvidsson... 5761 [GB], Arvidsson... 6027 [GB], Arvidsson... 6026 [GB]

Hypotrachyna chlorina (Müll.Arg.) Hale v

[*Hypotrachyna kashiwadanii* Kurok. & K.H. Moon, *Parmelia chlorina* Müll.Arg.]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Sipman et al. (2009); K. Kalb 18856 [WIS], L. Arvidsson & D. Nilson 380 [US], L. Arvidsson & D. Nilson 1850 [US], Arvidsson... 380 [GB], Arvidsson... 369 [GB], Arvidsson... 346 [GB], Arvidsson... 6748 [GB], Arvidsson... 6410 [GB], Arvidsson... 1924 [GB], Arvidsson... 1850 [GB]

Hypotrachyna cirrhata (Fr.) Divakar, A. Crespo, Sipman, Elix & Lumbsch v

[*Cetrariastrum cirrhatum* (Fr.) W.L. Culb. & C. F. Culb., *Evernia cirrhata* (Fr.) M. Choisy, *Evernia cirrhata f. cirrhata* (Fr.) M. Choisy, *Evernia cirrhata f. confusa* (Du Rietz) Räsänen, *Everniastrum cirrhatum* (Fr.) Hale ex Sipman, *Everniastrum cirrhatum f. cirrhatum* (Fr.) Hale ex Sipman, *Parmelia camtschadalis var. cirrhata* (Fr.) Zahlbr., *Parmelia cirrhata* Fr., *Parmelia cirrhata f. cirrhata* Fr., *Parmelia cirrhata f. confusa* (Du Rietz) Asahina, *Parmelia cirrhata f. granulosa* (Vain.) Asahina, *Parmelia cirrhata f. vermicularis* (Vain.) Asahina, *Parmelia cirrhata var. cirrhata* Fr., *Parmelia cirrhata var. fistulata* (Taylor) Zahlbr., *Parmelia cirrhata var. propagulifera* Räsänen, *Parmelia cirrhata var. sorediantha* Zahlbr., *Pseudevernia cirrhata* (Fr.) R. Schub. & Klem.]
source: Zahlbruckner (1905, 1907), Culberson & Culberson (1981), Nöske et al. (2007), Nöske & Sipman (2004), Sipman (1992), Yánez-Ayabaca (2009), Benítez et al. (2012, 2015), González et al. (2017b); W.L. Culberson 20198 [ASU], Erik Asplund s.n. [WIS], Palice, Z. s.n. [DUKE], Benítez, A. 167 [HUTPL], Arvidsson... 1913 [GB], Arvidsson... 1912 [GB], Arvidsson... 1910 [GB], Arvidsson... 1914 [GB], Arvidsson... 4361 [GB], Arvidsson... 4367a [GB], Arvidsson... 4347 [GB], Arvidsson... 4320 [GB], Andersson... 495 [GB], Andersson... 494 [GB], Andersson... 499 [GB], Arvidsson... 4199 [GB], Arvidsson... 4198a [GB], Arvidsson... 4267 [GB], Arvidsson... 4270 [GB], Arvidsson... 7164 [GB], Arvidsson... 7184 [GB], Arvidsson... 1110 [GB], Arvidsson... 1511 [GB], Arvidsson... 1509 [GB], Arvidsson... 1117 [GB], Arvidsson... 1972-02-07 [GB], Arvidsson... 1104 [GB], Arvidsson... 1109 [GB], Andersson, Lennart 112 [GB], Løjtnant... 1979-06-14 [GB], Arvidsson... 6843 [GB], Arvidsson... 7095 [GB], Harling, Gunnar 25550 [GB], Andersson, Lennart 1980 [GB], Arvidsson... 7143 [GB], Arvidsson... 5912 [GB], Arvidsson... 5911 [GB], Arvidsson... 5923 [GB], Arvidsson... 5913 [GB], Arvidsson... 5908 [GB], Arvidsson... 5907 [GB], Arvidsson... 5924 [GB], Arvidsson... 2853 [GB], Arvidsson... 2850 [GB], Arvidsson... 2852 [GB], Arvidsson... 2851 [GB], Arvidsson... 2848 [GB], Arvidsson... 2849a [GB], Arvidsson... 3031 [GB], Arvidsson... 1985-01-27 [GB], Arvidsson... 5810 [GB], Arvidsson... 5835 [GB], Arvidsson... 5843 [GB], Arvidsson... 5850 [GB], Arvidsson... 5665 [GB], Arvidsson... 5688 [GB], Arvidsson... 5666 [GB], Lindström, Marie 945 [GB], Lindström, Marie 948 [GB], Arvidsson... 749 [GB], Lindström, Marie 912 [GB], Arvidsson... 751 [GB], Arvidsson... 770 [GB], Arvidsson... 717 [GB], Arvidsson... 810 [GB], Arvidsson... 773 [GB], Arvidsson... 752 [GB], Arvidsson... 920 [GB], Arvidsson... 6207 [GB], Arvidsson... 5989 [GB], Arvidsson... 5956 [GB], Arvidsson... 6137 [GB], Arvidsson... 6163 [GB], Arvidsson... 6256 [GB], Arvidsson... 6267 [GB], Holm-Nielsen... 1968-07-06 [GB], Holm-Nielsen... 3137 [GB], Holm-Nielsen... 3356 [GB], Holm-Nielsen... 3246 [GB], Arvidsson... 6318 [GB], Arvidsson... 6352 [GB], Arvidsson... 6594 [GB], Holm-Nielsen... 5366 [GB], Holm-Nielsen... 5825 [GB], Holm-Nielsen... 5540 [GB], Holm-Nielsen... 5523 [GB], Andersson, Lennart 96 [GB], Øllgaard... 8404 [GB], Arvidsson... 3393 [GB], Løjtnant... 13001 [GB], Arvidsson... 5537 [GB], Arvidsson... 5539 [GB], Arvidsson... 6090 [GB], Bohlin, J-E. & Bohlin, M. 3239 [GB], Arvidsson... 6567 [GB], Andersson, Lennart 954 [GB], Andersson, Lennart 1980-04-08 [GB], Arvidsson... 2213 [GB], Arvidsson... 2212 [GB], Arvidsson... 2214 [GB], Arvidsson... 2215 [GB], Arvidsson... 2211 [GB], Andersson... 534 [GB], Andersson... 504a [GB], Andersson... 505 [GB],

Andersson... 568 [GB], Arvidsson... 1955 [GB], Arvidsson... 1957 [GB], Ståhl... 438 [GB], Lindström, Marie 1007 [GB], Lindström, Marie 1034 [GB], Andersson, Lennart 962 [GB], Andersson, Lennart 998 [GB], Andersson, Lennart 345 [GB], Andersson, Lennart 1464 [GB], Ståhl... 425 [GB], Arvidsson... 1325 [GB], E. Asplund 1939-11-11 [LD], William L.... 1987-08-19 [LD], Etayo, J. 25812 [hb. Etayo]

Hypotrachyna citrella (Kurok.) Hale

[*Parmelia citrella* Kurok.]
source: Sipman et al. (2009); K. Kalb 18371 [WIS], K. Kalb 18268 [WIS], COLO-L-0074514 [COLO], Arvidsson... 5591 [GB], Arvidsson... 5970 [GB], Arvidsson... 5972 [GB], Arvidsson... 5973 [GB], Arvidsson... 5832 [GB], Arvidsson... 5848 [GB], Arvidsson... 5843 [GB], Arvidsson... 2823 [GB], Arvidsson... 2827 [GB], Arvidsson... 6917 [GB], Arvidsson... 1642 [GB], Arvidsson... 7040 [GB], Arvidsson... 6069 [GB], Holm-Nielsen... 5852 [GB]

Hypotrachyna columbiensis (Zahlbr.) Divakar, A. Crespo, Sipman, Elix & Lumbsch

[*Everniastrum columbiense* (Zahlbr.) Hale ex Sipman, *Parmelia columbiensis* Zahlbr.]
source: Culberson & Culberson (1981), Sipman (1992), Yánez-Ayabaca (2009); Arvidsson... 4202 [GB], Arvidsson... 4272 [GB], Arvidsson... 2849c [GB], Arvidsson... 1575 [GB]

Hypotrachyna convexa R. P. Baayen & H. Rugenbrink ex Sipman, Elix & T.H. Nash

source: Sipman et al. (2009)

Hypotrachyna croceopustulata (Kurok.) Hale

[*Parmelia croceopustulata* Kurok.]
source: Nöske & Sipman (2004), Nöske et al. (2007), Sipman et al. (2009)

Hypotrachyna dactylifera (Vain.) Hale

[*Parmelia dactylifera* Vain., *Parmelia tiliacea var. leucina* Müll. Arg.]
source: Nöske & Sipman (2004), Nöske (2005, as *Hypotrachyna* cf. *dactylifera*), Nöske et al. (2007, as *Hypotrachyna* cf. *dactylifera*)

Hypotrachyna degelii (Hale) Hale

[*Parmelia degelii* Hale]
source: Nöske & Sipman (2004), Nöske et al. (2007), Yánez-Ayabaca (2009), Sipman et al. (2009), Benítez et al (2012; as *Hypotrachyna* aff. *degelii*), Benítez et al. (2015); Benítez, A. 231 [HUTPL], Andersson, Lennart 1876 [GB], Arvidsson... 143 [GB], Arvidsson... 372 [GB], Arvidsson... 377 [GB]

Hypotrachyna densirhizinata (Kurok.) Hale

[*Parmelia densirhizinata* Kurok.]
parasitized by *Stigmidium hypotrachynicola*, source: Yánez-Ayabaca (2009), Sipman et al. (2009), Benítez et al. (2012, 2015), Etayo (2017), Fernández-Prado et al. (2022); COLO-L-0074545 [COLO], L. Arvidsson & D. Nilson 1023 [US], R. M. King 74172 [US], D. Hanselmann 62 [US], M. E. Hale 42695 [US], M. E. Hale 42808 [US], L. Arvidsson... 4234 [US], L. Arvidsson... 1614 [US], L. Arvidsson & D. Nilson 1116 [US], M. E. Hale 43194 [US], M. E. Hale 42389 [US], M. E. Hale 42895 [US], Benítez, A. 234 [HUTPL], Arvidsson... 7185 [GB], Arvidsson... 7069 [GB], Arvidsson... 7105 [GB], Arvidsson... 4173 [GB], Arvidsson... 4312 [GB], Arvidsson... 1926 [GB], Arvidsson... 1928 [GB], Arvidsson... 1107 [GB], Lindström, Marie 922 [GB], Arvidsson... 6100 [GB], Arvidsson... 918 [GB], Arvidsson... 1954 [GB], Arvidsson... 1116 [GB], Arvidsson... 1525 [GB], Arvidsson... 1529 [GB], Arvidsson... 1530 [GB], Arvidsson... 1614 [GB], Arvidsson... 4234 [GB], Arvidsson... 4313 [GB], Arvidsson... 4173 [GB], Arvidsson... 7076 [GB], Arvidsson... 767 [GB], Arvidsson... 3391 [GB], Arvidsson... 3349 [GB], Arvidsson... 6534 [GB], Arvidsson... 3583 [GB], Arvidsson... 3586 [GB], Arvidsson... 3587 [GB], Arvidsson... 3648 [GB], Arvidsson... 6086 [GB], Arvidsson... 5708 [GB], Etayo, J. 25654 [hb. Etayo]

Hypotrachyna dentella (Hale & Kurok.) Hale

[*Parmelia dentella* Hale & Kurok., *Parmelia laevigata var. ceratina* Müll. Arg.]
source: Mandl (2007; as *H.* cf. *dentella*), Cevallos Solórzano (2012); Arvidsson... 378 [GB]

Hypotrachyna dubitans (Sipman) Divakar, A. Crespo, Sipman, Elix & Lumbsch

[*Cetrariastrum dubitans* Sipman]
K. Kalb 19108 [WIS], Arvidsson... 903 b [GB], Arvidsson... 922 [GB], Arvidsson... 2756 [GB]

Hypotrachyna ecuadorensis (R. Sant.) Divakar, A. Crespo, Sipman, Elix & Lumbsch,

[*Cetrariastrum ecuadorense* (R. Sant.) Sipman, *Everniastrum ecuadorense* (R. Sant.) Hale nom. inval., *Parmelia ecuadorensis* R. Sant.]
Holotype S, Asplund, 3 Jul. 1969, source: Santesson (1942), Culberson & Culberson (1981); Erik Asplund s.n. [WIS], Z. Palice 3732 [F], Palice, Z. 3732 [DUKE], K. Kalb & A. Kalb 1987-08-12 [UPS], Erik Asplund 1939-07-03 [UPS], Z. Palice 3732 [UPS], COLO-L-0064506 [COLO], E. Asplund 180 [O], K. Kalb, A. Kalb 1987-08-12 [O], E. Asplund L 180 [US], L. Arvidsson... 4532 [US], Arvidsson... 903 a [GB], Arvidsson... 917 [GB], Arvidsson... 934 [GB], GB-0189076 937 [GB], Arvidsson... 2688 [GB], Arvidsson... 2689 [GB], Arvidsson... 2690 [GB], Arvidsson... 2704 [GB], Arvidsson... 2854 [GB], Arvidsson, Lars et al. 5536 [GB], Arvidsson, Lars et al. 5847 [GB], Molau... 2267 [GB], Molau... 3252 [GB], Erik Asplund 1939-07-03 [LD], Lars Arvidsson... 1972-03-07 [LD], E. Asplund L180 [S], E. Asplund 1939-07-03 [S]

Hypotrachyna eitenii (Hale) Hale

[*Parmelia eitenii* Hale]
source: Benítez et al. (2012, 2015); Benítez, A. 235 [HUTPL]

Hypotrachyna enderythraea (Zahlbr.) Hale

[*Parmelia enderythraea* Zahlbr.]
source: Nöske et al. (2007), Sipman et al. (2009); L. Arvidsson 6124 [ASU], M. Fiske & C. Schmitt 1696 [US], L. Arvidsson... 3675 [US], Arvidsson... 4736 [GB], Andersson, Lennart 1894 [GB], Arvidsson... 1329 [GB], Arvidsson... 2079b [GB], Arvidsson... 6647 [GB], Arvidsson... 6022 [GB], Arvidsson... 3675 [GB], Arvidsson... 3708 [GB], Arvidsson... 3747 [GB], Arvidsson... 4020 [GB], Holm-Nielsen... 1973-05-17 [GB]

Hypotrachyna endochlora (Leight.) Hale

[*Hypotrachyna endosulphurea* Kurok. & K.H. Moon, *Parmelia endochlora* Leight., *Parmelia pittieri* Müll. Arg., *Parmelia xanthomela* nom. nud.]
source: Yánez-Ayabaca (2009), Sipman et al. (2009); K. Kalb 19442 [WIS], L. Arvidsson... 3499 [US], Arvidsson... 6613 [GB], Arvidsson... 6646 [GB], Arvidsson... 6749 [GB], Arvidsson... 6759 [GB], Lindström... 1999 [GB], Arvidsson... 3843 [GB], Arvidsson... 3756 [GB], Arvidsson... 4601 [GB], Arvidsson... 2200 [GB], Lindström... 2294 [GB], Arvidsson... 3499 [GB], Arvidsson... 7241 [GB], Arvidsson... 6579 [GB]

Hypotrachyna ensifolia (Kurok.) Hale

[*Parmelia ensifolia* Kurok., *Parmelia lobulifera var. insensitiva* Degel.]
source: Yánez-Ayabaca (2009), Sipman et al. (2009), van den Boom et al. (2022); L. Arvidsson... 4170 [US], Arvidsson... 7067 [GB], Arvidsson... 7068 [GB], Arvidsson... 7102 [GB], Arvidsson... 7073 [GB], Arvidsson... 6922 [GB], Arvidsson... 4176 [GB], Arvidsson... 4170 [GB], Arvidsson... 4168 [GB], Arvidsson... 4294 [GB], Arvidsson... 1925 [GB], Arvidsson... 1103 [GB], Arvidsson... 1108b [GB], Arvidsson... 6533 [GB], Arvidsson... 6544 [GB], Arvidsson... 6536 [GB], Arvidsson... 5704 [GB], Arvidsson... 5711 [GB], Arvidsson... 3649 [GB], Arvidsson... 6123 [GB], Arvidsson... 6264 [GB], Arvidsson... 6122 [GB], Arvidsson... 5762 [GB], Holm-Nielsen... 6425 [GB]

Hypotrachyna everniastroides Sipman

source: Nöske & Sipman (2004), Nöske et al. (2007)

Hypotrachyna everniusnica Yánez-Ayabaca & Eliasaro ined.

the description in Yánez-Ayabaca (2009) discusses that specimens assigned to this taxon are chemically identical and morphologically similar both to *H. meyeri* (described from Ecuador) and *H. sinuosa* (reported from Ecuador). Hale (1975) suggested that *H. meyeri* and *H. sinuosa* were synonymous, whereas Swinscow & Krog (1979) believed the two taxa were distinct species, distinguished by location and shape of their soralia. Without molecular evidence it seems premature to formally describe yet another morphotype, *H. everniusnica*, also distinguished only by the shape of its soralia, as a new species, source: Yánez-Ayabaca (2009)

Hypotrachyna exsplendens (Hale) Hale

[*Parmelia exsplendens* Hale]
source: Sipman et al. (2009), González et al. (2019), Yánez-Ayabaca (2009); Bungartz, F. 3278 [CDS], Aptroot, A. 64656 [CDS], Nugra, F. 347 [CDS], Nugra, F. 408 [CDS], Nugra, F. 355 [CDS], Ziemmeck, F. 537 [CDS], Aptroot, A. 63184 [CDS], Bungartz, F. 3281 [CDS], Aptroot, A.

63144 [CDS], Bungartz, F. 8751 [CDS], Bungartz, F. 7314 [CDS], Ziemmeck, F. 743 [CDS], Aptroot, A. 63189 [CDS], Nugra, F. 72 [CDS], Clerc, P. 08-113 [CDS], Bungartz, F. 8150 [CDS], Ertz, D. 11712 A [CDS], Nugra, F. 353 [CDS], Yánez-Ayabaca, A. 1543 [CDS], Lindström... 246 [GB]

Hypotrachyna flavida (Zahlbr.) Hale

[*Parmelia flava* Kremp. nom. illegit., *Parmelia flava f. flava* Kremp. nom. illegit., *Parmelia flava var. flava* Kremp. nom. illegit., *Parmelia flavida* Zahlbr.]
source: Sipman et al. (2009)

Hypotrachyna flavospinulosa Sipman, Elix & T.H. Nash

Holotype GB, Arvidsson et al. 5706, source: Sipman et al. (2009); K. Kalb 18664 [WIS], Arvidsson, L.... 5706 [GB], Arvidsson... 5751 [GB]

Hypotrachyna flavovirens (Kurok.) Hale

[*Parmelia flavovirens* Kurok.]
Etayo, J. 17335 [hb. Etayo]

Hypotrachyna fragilis (Sipman) Divakar, A. Crespo, Sipman, Elix & Lumbsch

[*Everniastrum fragile* Sipman nom. inval., *Everniastrum fragile* Sipman]
source: Sipman (1992), González et al. (2019); Arvidsson... 7064 [GB], Arvidsson... 7166 [GB], Arvidsson... 7165 [GB], Arvidsson... 7183 [GB], Arvidsson... 6911 [GB], Arvidsson... 7133 [GB], Arvidsson... 7134 [GB], Arvidsson... 4201 [GB], Arvidsson... 4273 [GB], Arvidsson... 4321 [GB], Arvidsson... 1695 [GB], GB-0203217 1972-03-15 [GB], Arvidsson... 3577 [GB], Arvidsson... 3571 [GB], Arvidsson... 3646 [GB], Arvidsson... 5538 [GB], Arvidsson... 5713 [GB], Lindström... 2359 [GB], Arvidsson... 1038 [GB], Arvidsson... 1044 [GB], Arvidsson... 818 [GB], Arvidsson... 750 [GB], Arvidsson... 906 [GB], Arvidsson... 5786 [GB], Arvidsson... 5805 [GB], Arvidsson... 6566 [GB], Arvidsson... 6005 [GB], Arvidsson... 6014 [GB], Arvidsson... 5969 [GB], Lindström... 2333 [GB], Arvidsson... 3423 [GB], Arvidsson... 1969 [GB], Arvidsson... 4787 [GB]

Hypotrachyna gondylophora (Hale) Hale

[*Hypotrachyna subsplendens* Kurok. & K.H. Moon, *Parmelia gondylophora* Hale]
source: Sipman et al. (2009), van den Boom et al. (2022); Arvidsson... 3758 [GB]

Hypotrachyna hafellneri Elix, T.H. Nash & Sipman

source: Sipman et al. (2009); Arvidsson... 654 [GB]

Hypotrachyna halei Sipman, Elix & T.H. Nash

source: Sipman et al. (2009)

Hypotrachyna horrescens (Taylor) Krog & Swinsc.

[*Parmelia dissecta* Nyl., *Parmelia horrescens* Taylor, *Parmelia laevigata f. dissecta* (Nyl.) H. Olivier, *Parmelia laevigata subsp. dissecta* (Nyl.) Nyl., *Parmelia saxatilis f. horrescens* (Taylor) Stizenb., *Parmelina dissecta* (Nyl.) Hale, *Parmelina horrescens* (Taylor) Hale, *Parmelinopsis horrescens* (Taylor) Elix & Hale, *Usnea horrescens* (Taylor) Motyka]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Mandl (2007); Aptroot, A. 64575 [CDS], Aptroot, A. 65178 [CDS], Aptroot, A. 65737 [CDS], Bungartz, F. 6591 [CDS], Bungartz, F. 4754 B [CDS], Ertz, D. 11883 [CDS], Bungartz, F. 7122 [CDS], Bungartz, F. 7442 [CDS], Bungartz, F. 7585 [CDS], Bungartz, F. 7761 [CDS], Ertz, D. 11967 [CDS], Bungartz, F. 9977 [CDS]

Hypotrachyna imbricatula (Zahlbr.) Hale

[*Parmelia imbricatula* Zahlbr., *Parmelia lobulifera* Degel., *Parmelia lobulifera var. luteoreagens* Degel.]
source: Nöske & Sipman (2004), Nöske et al. (2007), Mandl (2007), Sipman et al. (2009), van den Boom et al. (2022), Fernández-Prado et al. (2022); L. Arvidsson... 3995 [US], L. Arvidsson & D. Nilson 41 [US], L. Arvidsson & D. Nilson 43 [US], Arvidsson... 4297 [GB], Arvidsson... 1616 [GB], Arvidsson... 7211 [GB], Arvidsson... 2202 [GB], Arvidsson... 4782 [GB], Arvidsson... 43 [GB], Arvidsson... 3997 [GB], Arvidsson... 49 [GB], Arvidsson... 368 [GB], Arvidsson... 553 [GB], Arvidsson... 1852 [GB], Arvidsson... 3038 [GB], Etayo, J. 25655 [hb. Etayo], Etayo, J. 25858 [hb. Etayo], Etayo, J. 25872 [hb. Etayo]

Hypotrachyna immaculata (Kurok.) Hale

[*Parmelia immaculata* Kurok.]
source: Sipman et al. (2009), Mandl (2007); Arvidsson... 1225 [GB], Arvidsson... 3998 [GB]

Hypotrachyna intercalanda (Vain.) Hale

[*Parmelia fragilis* Lynge, *Parmelia intercalanda* Vain.]
source: Yánez-Ayabaca (2009)

Hypotrachyna isidiocera (Nyl.) Hale

[*Parmelia isidiocera* Nyl.]
source: Sipman et al. (2009); Aptroot, A. 63185 [CDS], Bungartz, F. 3968 [CDS], Aptroot, A. 65125 [CDS], Aptroot, A. 65515 [CDS], Nugra, F. 244 [CDS], Nugra, F. 168 [CDS], Nugra, F. 251 [CDS], Nugra, F. 345 [CDS], Nugra, F. 46 [CDS], Bungartz, F. 8154 [CDS], Herrera-Campos, M.A. 10566 [CDS], Arvidsson... 1985-02-03 [GB], Arvidsson... 2826 [GB]

Hypotrachyna isolopezii Elix, T.H. Nash & Sipman

Holotype GB, Arvidsson et al. 5880, source: Sipman et al. (2009); Arvidsson, L.... 5880 [GB]

Hypotrachyna kaernefeltii Divakar, A. Crespo, Sipman, Elix & Lumbsch

[*Cetrariastrum andense* Kärnefelt ex Sipman, *Everniastrum andense* Kärnefelt nom. inval.]
non *Hypotrachyna andensis* Hale, source: Culberson & Culberson (1981; as *Cetrariastrum andense* Kärnefelt ex Sipman), Kärnefelt (1980); M. López-Figueiras... 31880 [S]

Hypotrachyna laevigata (Sm.) Hale

[*Imbricaria laevigata* (Sm.) Arnold, *Lichen laevigatus* Sm., *Parmelia boliviana var. cephalota* Zahlbr., *Parmelia laevigata* (Sm.) Ach., *Parmelia laevigata f. furfuracea* Müll.Arg., *Parmelia laevigata f. laevigata* (Sm.) Ach., *Parmelia laevigata f. luteoreagens* Degel., *Parmelia laevigata f. roseoreagens* Degel., *Parmelia laevigata f. sorediata* Zahlbr., *Parmelia laevigata subsp. extremi-orientalis* Asahina, *Parmelia laevigata subsp. laevigata* (Sm.) Ach., *Parmelia laevigata var. laevigata* (Sm.) Ach., *Parmelia laevigata var. obscuratella* Müll.Arg., *Parmelia laevigata var. tropica* Zahlbr., *Parmelia laevigata var. xanthomyela* (Nyl.) Boistel, *Parmotrema laevigatum* (Sm.) M. Choisy]
source: Leighton (1866), Nöske et al. (2007), Mandl (2007), Yánez-Ayabaca (2009), Sipman et al. (2009), Fernández-Prado et al. (2022); R. C. Harris 17620 [NY], R. C. Harris 17387 [NY], R. C. Harris 17677 [NY], R. C. Harris 17665 [NY], R. C. Harris 17269 [NY], B. Løjtnant 12723 [NY], R. C. Harris 17681 [NY], R. C. Harris 17329 [NY], L. Arvidsson... 3403 [US], R. M. King 7459 [US], L. Arvidsson & D. Nilson 1512 [US], Arvidsson... 3370 [GB], Arvidsson... 3374 [GB], Arvidsson... 3382 [GB], Arvidsson... 3389 [GB], Arvidsson... 3403 [GB], Arvidsson... 1983-06-20 [GB], Arvidsson... 3341 [GB], Arvidsson... 986 [GB], Arvidsson... 4785 [GB], Arvidsson... 4600 [GB], Holm-Nielsen... 6467 [GB], Arvidsson... 7240 [GB], Arvidsson... 6923 [GB], Arvidsson... 1512 [GB], Arvidsson... 1514 [GB], Arvidsson... 4169 [GB], Arvidsson... 4236 [GB], Arvidsson... 6098 [GB], Arvidsson... 6028 [GB], Arvidsson... 6064 [GB], Arvidsson... 5518 [GB], Arvidsson... 5801 [GB], Arvidsson... 2821 [GB], Arvidsson... 1023 [GB], Arvidsson... 5862 [GB], Arvidsson... 6967 [GB], Arvidsson... 6968 [GB], Arvidsson... 6969 [GB], Arvidsson... 6971 [GB]

Hypotrachyna latiloba (Sipman) Divakar, A. Crespo, Sipman, Elix & Lumbsch

[*Everniastrum latilobum* Sipman]
Holotype US, Andersson 4695, source: Sipman (1992), Jørgensen & Arvidsson (2004); L. Arvidsson... 4695 [US], Arvidsson, L.... 4695 [GB]

Hypotrachyna livida (Taylor) Hale

[*Hypotrachyna perexigua* Marcelli & C.H. Ribeiro, *Parmelia livida* Taylor, *Parmelia osseoalbida* Lynge]
source: Sipman et al. (2009); Andersson, Lennart 1893 [GB]

Hypotrachyna longiloba (H. Magn.) C.W. Sm.

[*Hypotrachyna gigas* (Kurok.) Hale, *Parmelia exporrecta* Kurok., *Parmelia gigas* Kurok., *Parmelia longiloba* H. Magn.]
source: Yánez-Ayabaca (2009), Sipman et al. (2009); M. Hermann 1491 [NY], Prescott, G W 1953-02-06 [MSC], Prescott, G W 1953-02-06 [MSC], Prescott, G W 1953-02-06 [MSC], COLO-L-0074577 [COLO], COLO-L-0074565 [COLO], C. W. Penland 404 [US], C. W. Penland s.n. [US], C. W. Penland 404 [US], G. Prescott Al-11 [US], G. Prescott An L-12 [US], G. Prescott Ab-11 [US], L. Arvidsson & D. Nilson 1956 [US], R. M. King 74-64 [US], L. Arvidsson... 4235 [US], Arvidsson... 6914 [GB], Arvidsson... 6915 [GB], Arvidsson... 6916 [GB], Arvidsson... 6918 [GB], Arvidsson... 6919 [GB], Arvidsson... 6920 [GB], Arvidsson... 6838 [GB], Arvidsson... 4233 [GB], Arvidsson... 4235 [GB], Arvidsson... 4238 [GB],

Arvidsson... 4241 [GB], Arvidsson... 1927 [GB], Andersson, Lennart 1507 [GB], Arvidsson... 3611 [GB], Arvidsson... 6029 [GB], Arvidsson... 6030 [GB], Arvidsson... 6074 [GB], Arvidsson... 6083 [GB], Arvidsson... 6085 [GB], Arvidsson... 3580 [GB], Øllgaard... 8037 [GB], Arvidsson... 6528 [GB], Arvidsson... 6530 [GB], Arvidsson... 6531 [GB], Arvidsson... 6540 [GB], Arvidsson... 6546 [GB], Arvidsson... 3402 [GB], Lindström... 2425 [GB], Arvidsson... 3402 [GB], Arvidsson... 2815 [GB], Arvidsson... 1956 [GB], Etayo, J. 19957 [hb. Etayo]

Hypotrachyna lopezii Hale v

source: Yánez-Ayabaca (2009); L. Arvidsson 6022 [ASU]

Hypotrachyna mexicana (Egan) Divakar, A. Crespo, Sipman, Elix & Lumbsch v

[*Cetrariastrum mexicanum* Egan, *Everniastrum mexicanum* (Egan ex W.L. Culb. & C.F. Culb.) Sipman]
Etayo, J. 19946 [hb. Etayo]

Hypotrachyna meyeri (Zahlbr.) Hale v

[*Parmelia meyeri* Zahlbr.]
Typification: Meyer 338; Meyer 365 Paquios: Auf der Erde zwischen Moosen und anderen Erdflechten" bei 3800 m Seehöhe [Nr. 338J. Chimborazo: An gleichen Standorten" bei 4800 m Seehöhe [Nr. 365]., source: Zahlbruckner (1905, 1907), Yánez-Ayabaca (2009), Sipman et al. (2009), van den Boom (2022); Arvidsson... 7072 [GB], Arvidsson... 6263 [GB]

Hypotrachyna microblasta (Vain.) Hale v

[*Hypotrachyna angustissima* Marcelli & C.H. Ribeiro, *Parmelia endorubra f. imbricatiformis* Gyeln., *Parmelia jamaicensis* Vain. nom. illegit., *Parmelia norstictica* Hale, *Parmelia pseudorevoluta* Gyeln., *Parmelia revoluta f. isidiosa* Müll. Arg.]
source: Weber (1986), Elix & McCarthy (1998), Mandl (2007), Nöske & Sipman (2004), Paroly & Kürschner (2004), Nöske et al. (2007); T.H. Nash III 23809 [ASU], M. Lindström 2389 [ASU], M. Lindström... 2385 [ASU], M. Lindström 2800 [ASU], W.A. Weber L--63050 [ASU], Weber, W.; Lanier 63050 [MIN], K. Kalb 18857 [WIS], K. Kalb 19454 [WIS], W. A. Weber [COLO], L. H. Pike [COLO], J. Lanier [COLO], J. Lanier [COLO], J. Lanier [COLO], H. Sipman [COLO], H. Sipman [COLO], W. A. Weber [COLO], COLO-L-0074760 [COLO], L. Arvidsson & D. Nilson 2078 [US], H. Sipman L-63492 [US], W. A. Weber & J. Lanier L-63050 [US], W. A. Weber & J. Lanier L-63050 [US], H. Sipman L-63458 [US], Weber, W.A. s.n. [CDS], Aptroot, A. 63158 [CDS], Aptroot, A. 63188 [CDS], Aptroot, A. 64848 [CDS], Aptroot, A. 63904 [CDS], Aptroot, A. 63924 [CDS], Bungartz, F. 4071 [CDS], Bungartz, F. 4022 [CDS], Bungartz, F. 4046 [CDS], Bungartz, F. 3302 [CDS], Bungartz, F. 3304 [CDS], Bungartz, F. 3305 [CDS], Bungartz, F. 3318 [CDS], Bungartz, F. 3973 [CDS], Bungartz, F. 4110 [CDS], Bungartz, F. 4199 [CDS], Aptroot, A. 65212 [CDS], Aptroot, A. 65254 [CDS], Bungartz, F. 4135 [CDS], Bungartz, F. 4168 [CDS], Bungartz, F. 4133 [CDS], Aptroot, A. 65640 [CDS], Nugra, F. 364 [CDS], Nugra, F. 157 [CDS], Nugra, F. 33 [CDS], Bungartz, F. 4756 [CDS], Bungartz, F. 6820 [CDS], Bungartz, F. 6833 [CDS], Bungartz, F. 6834 [CDS], Bungartz, F. 6863 A [CDS], Bungartz, F. 7633 [CDS], Truong, C. 1270 [CDS], Truong, C. 1281 [CDS], Clerc, P. 08-168 [CDS], Herrera-Campos, M.A. 10558 [CDS], Herrera-Campos, M.A. 10563 [CDS], Herrera-Campos, M.A. 10573 [CDS], Herrera-Campos, M.A. 10701 [CDS], Bungartz, F. 8160 [CDS], Bungartz, F. 8362 [CDS], Bungartz, F. 8573 [CDS], Yánez-Ayabaca, A. 1501 [CDS], Herrera-Campos, M.A. 10710 [CDS], Yánez-Ayabaca, A. 1522 [CDS], Yánez-Ayabaca, A. 1525 [CDS], Yánez-Ayabaca, A. 1529 [CDS], Yánez-Ayabaca, A. 1530 [CDS], Yánez-Ayabaca, A. 1532 [CDS], Yánez-Ayabaca, A. 1542 [CDS], Yánez-Ayabaca, A. 1551 [CDS], Bungartz, F. 8251 [CDS], Bungartz, F. 8752 [CDS], Spielmann, A.A. 10443 [CDS], Nugra, F. 1041 [CDS], Spielmann, A.A. 10442 [CDS], Nugra, F. 1090 [CDS], Spielmann, A.A. 10488 [CDS], Nugra, F. 1081 [CDS], Spielmann, A.A. 10449 [CDS], Spielmann, A.A. 10425 [CDS], Spielmann, A.A. 10409 [CDS], Spielmann, A.A. 10456 [CDS], Spielmann, A.A. 10444 [CDS], Spielmann, A.A. 10591 [CDS], Spielmann, A.A. 10416 [CDS], Spielmann, A.A. 10452 [CDS], Spielmann, A.A. 10447 [CDS], Spielmann, A.A. 10438 [CDS], Nugra, F. 1088 [CDS], Nugra, F. 360 [CDS], Lindström... 2128 [GB], Arvidsson... 4694 [GB], Arvidsson... 4165 [GB], Arvidsson... 4714 [GB], Arvidsson... 1328 [GB], Arvidsson... 2078 [GB], Lindström... 2384 [GB], Lindström... 2389 [GB], Lindström... 2385 [GB], Lindström... 2354 [GB], Arvidsson... 3757 [GB], Arvidsson... 3790 [GB], Andersson, Lennart 643 [GB], Arvidsson... 3933 [GB], Arvidsson... 4019 [GB], Arvidsson... 24 [GB], Arvidsson... 363 [GB], Andersson... 408 [GB], Lindström... 2292 [GB], Arvidsson... 3385 [GB], Etayo, J. 17334 [hb. Etayo], Etayo, J. 26280 [hb. Etayo]

Hypotrachyna microblastella Elix, T.H. Nash & Sipman v

source: Sipman et al. (2009); Arvidsson... 4177 [GB], Arvidsson... 4598 [GB], Arvidsson... 2079a [GB], Arvidsson... 2079b [GB], Arvidsson... 1330 [GB]

Hypotrachyna minarum (Vain.) Krog & Swinsc. v

[*Parmelia hubrichtii* E.C. Berry, *Parmelia minarum* Vain., *Parmelina minarum* (Vain.) Skorepa, *Parmelinopsis minarum* (Vain.) Elix & Hale]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Mandl (2007), Benítez et al. (2012, 2015), van den Boom et al. (2022); K. Kalb 19380 [WIS], Aptroot, A. 65057 [CDS], Aptroot, A. 65071 [CDS], Aptroot, A. 65226 [CDS], Aptroot, A. 65685 [CDS], Yánez-Ayabaca, A. 1502 [CDS], Bungartz, F. 7551 [CDS], Spielmann, A.A. 10747 [CDS], Yánez-Ayabaca, A. 1526 [CDS], Bungartz, F. 7697 [CDS], Benítez, A. 315 [HUTPL]

Hypotrachyna monilifera (Kurok.) Hale v

[*Parmelia monilifera* Kurok.]
source: Sipman et al. (2009); K. Kalb 18388 [WIS]

Hypotrachyna montufariensis Yánez-Ayabaca & Eliasaro v

source: Yánez-Ayabaca (2009)

Hypotrachyna neocrenata Elix, T.H. Nash & Sipman v

source: Sipman et al. (2009); Lindström... 2135 [GB], Arvidsson... 340 [GB]

Hypotrachyna nepalensis (Taylor) Divakar, A. Crespo, Sipman, Elix & Lumbsch v

[*Cetrariastrum nepalense* (Taylor) W.L. Culb. & C.F. Culb., *Everniastrum nepalense* (Taylor) Hale ex Sipman, *Parmelia nepalensis* Taylor]
problematic; an exsiccati specimen collected and identified by Asplund #82 as *Parmelia confusa* [Lichenes Austroamericani ex herbario Regnelliano (Santesson, Lich. Austroamer. Herb. Regnelliano [Stockholm] #355)] in WIS has been annotated by Hale as *Parmelia nepalense*, the specimen in S is also identified as such, but a specimen in O is annotated as *Parmotrema confusum*; none of these names are synonymous; Erik Asplund 1939-06-09 [LD], Erik Asplund 82 [S]

Hypotrachyna nigrociliata (de Lesd.) Divakar, A. Crespo, Sipman, Elix & Lumbsch v

[*Cetrariastrum nigrociliatum* (B. de Lesd.) W.L. Culb. & C.F. Culb., *Everniastrum nigrociliatum* (B. de Lesd.) Hale ex Sipman, *Parmelia imitata* Hale & M. Wirth, *Parmelia nigrociliata* B. de Lesd.]
source: Culberson & Culberson (1981); Arvidsson... 4487 [GB], Andersson, Lennart 357a [GB], Arvidsson... 6138 [GB]

Hypotrachyna norlopezii Elix, T.H. Nash & Sipman v

source: Sipman et al. (2009); Arvidsson... 3356 [GB], Arvidsson... 6837 [GB]

Hypotrachyna noskeae Elix, T.H. Nash & Sipman v

Holotype LOJA, Nöske 59, source: Nöske et al. (2007), Sipman et al. (2009)

Hypotrachyna osseoalba (Vain.) Park & Hale v

[*Hypotrachyna formosana* (Zahlbr.) Hale, *Parmelia formosana* Zahlbr., *Parmelia osseoalba* Vain.]
source: Sipman et al. (2009); Aptroot, A. 64576 [CDS], Aptroot, A. 65059 [CDS], Aptroot, A. 65668 [CDS], Bungartz, F. 6665 [CDS], Ertz, D. 11903 [CDS], Ertz, D. 11907 [CDS], Bungartz, F. 7135 [CDS], Bungartz, F. 7429 [CDS], Bungartz, F. 7467 [CDS], Bungartz, F. 7468 [CDS], Bungartz, F. 7493 [CDS], Bungartz, F. 7587 [CDS], Bungartz, F. 7626 [CDS], Bungartz, F. 7628 [CDS], Bungartz, F. 7643 [CDS], Bungartz, F. 7646 [CDS], Bungartz, F. 7703 [CDS], Bungartz, F. 7836 [CDS], Bungartz, F. 7882 [CDS], Bungartz, F. 6667 B [CDS], Bungartz, F. 7642 [CDS], Yánez-Ayabaca, A. 2106 [CDS], Yánez-Ayabaca, A. 2119 [CDS], Arvidsson... 1849 [GB]

Hypotrachyna palmarum (Lynge) Hale v

[*Parmelia palmarum* Lynge nom. inval.]
source: Sipman et al. (2009)

Hypotrachyna paracitrella Sipman & Palice v

Holotype PRA, Palice 8487, source: Lumbsch et al. (2011)

Hypotrachyna parasinuosa Sipman & Palice v

Holotype PRA, Palice 8487b, source: Lumbsch et al. (2011)

Hypotrachyna partita Hale

source: Sipman et al. (2009), van den Boom et al. (2022); Arvidsson... 5801 [GB], Arvidsson... 6966 [GB], Arvidsson... 7208 [GB], Arvidsson... 1106 [GB], Arvidsson... 1108 [GB], Etayo, J. 25932 [hb. Etayo], Etayo, J. 26270 [hb. Etayo]

Hypotrachyna peruviana (Nyl.) Hale

[*Parmelia peruviana* Nyl.]
source: Yánez-Ayabaca (2009), Sipman et al. (2009), Fernández-Prado et al. (2022)

Hypotrachyna physcioides (Nyl.) Hale

[*Parmelia boliviana* Nyl., *Parmelia confusula* Zahlbr., *Parmelia digitata* Lynge, *Parmelia gracilis* Müll. Arg. nom. illegit., *Parmelia laevigata var. gracilis* Müll. Arg., *Parmelia physcioidea* Nyl.]
source: Müller (1879; as *Parmelia laevigata* var. *gracilis*), Romeguère (1879; as *Parmelia laevigata* var. *gracilis*), Yánez-Ayabaca (2009), Sipman et al. (2009), Mandl (2007); K. Kalb 18150 [WIS], L. Arvidsson & D. Nilson 1105 [US], Løjtnant... 1979-03-18 [GB], Arvidsson... 6099 [GB], Arvidsson... 6098 [GB], Løjtnant... 12723 [GB], Arvidsson... 4602 [GB], Arvidsson... 2082 [GB], Arvidsson... 3328 [GB]

Hypotrachyna physodalica (Hale) Hale

[*Parmelia physodalica* Hale]
source: Sipman et al. (2009)

Hypotrachyna producta Hale

[*Parmelia producta* (Hale) J.P. Dey]
source: Yánez-Ayabaca (2009), Sipman et al. (2009)

Hypotrachyna prolongata (Kurok.) Hale

[*Hypotrachyna rachista* (Hale) Hale, *Parmelia lobulifera var. sanguineoreagens* Degel., *Parmelia prolongata* Kurok., *Parmelia rachista* Hale]
source: Yánez-Ayabaca (2009), Sipman et al. (2009), Benítez et al. (2012, 2015); Benítez, A. 236 [HUTPL], Arvidsson... 6965 [GB], Arvidsson... 2075 [GB], Arvidsson... 1645 [GB], Arvidsson... 4603 [GB]

Hypotrachyna protenta Hale

source: Nöske et al. (2007), Sipman et al. (2009)

Hypotrachyna protocetrarica Elix, T.H. Nash & Sipman

Holotype GB, Arvidsson & Nilson 1965, source: Sipman et al. (2009); Arvidsson, L.; Nilson, D. 1965 [GB]

Hypotrachyna pseudolopezii Sipman, Elix & T.H. Nash

Arvidsson... 2826A [GB], Arvidsson... 2827 [GB]

Hypotrachyna pulvinata (Fée) Hale

[*Parmelia caraccensis f. pulvinata* (Fée) Zahlbr., *Parmelia pulvinata* Fée, *Parmelia subsinuosa* Nyl.]
source: Yánez-Ayabaca (2009), Sipman et al. (2009), van den Boom et al. (2022); Harris, R. 17116 [MIN], K. Kalb 18338 [WIS], K. Kalb 18320 [WIS], K. Kalb 18667 [WIS], K. Kalb 19370 [WIS], R. M. King 74-93 [US], D. Ugent & V. Ugent s.n. [US], D. Ugent & V. Ugent s.n. [US], L. Arvidsson & D. Nilson 774 [US], L. Arvidsson... 2793 [US], L. Arvidsson... 4239 [US], Arvidsson... 1960 [GB], Andersson... 492 [GB], Arvidsson... 6293 [GB], Arvidsson... 6294 [GB], Arvidsson... 6303 [GB], Arvidsson... 6304 [GB], Arvidsson... 2793 [GB], Arvidsson... 2800 [GB], Arvidsson... 2793 [GB], Arvidsson... 5618 [GB], Arvidsson... 5648 [GB], Arvidsson... 5757 [GB], Arvidsson... 5790 [GB], Arvidsson... 774 [GB], Holm-Nielsen... 5664 [GB], Arvidsson... 985 [GB]

Hypotrachyna reducens (Nyl.) Hale

[*Parmelia reducens* Nyl.]
source: Zahlbruckner (1905, 1907), Nöske & Sipman (2004), Mandl (2007), Yánez-Ayabaca (2009), Sipman et al. (2009), Benítez et al. (2012, 2015), Chuquimarca et al. (2019), Nöske et al. (2007); L. Arvidsson 5973 [ASU], L. Arvidsson 6535 [ASU], I. L. Wiggins L-38948 [US], Benítez, A. 237 [HUTPL], Etayo, J. 26002 [hb. Etayo]

Hypotrachyna revoluta (Flörke) Hale

[*Imbricaria revoluta* (Flörke) Flot., *Imbricaria sinuosa f. concentrica* Arnold, *Parmelia forsteri* Leight., *Parmelia laevigata var. forsteri* (Leight.) Leight., *Parmelia quercina var. erratica* (Linds.) Hillmann, *Parmelia revoluta* Flörke, *Parmelia revoluta f. foliolifera* Erichsen, *Parmelia revoluta f. nuda* Müll.Arg., *Parmelia revoluta f. revoluta* Flörke, *Parmelia revoluta var. britannica* (D. Hawksw. & P. James) V. Wirth, *Parmelia revoluta var. concentrica* (Arnold) Cromb., *Parmelia revoluta var. erratica* (Linds.) Zahlbr., *Parmelia revoluta var. granulata* Harm., *Parmelia revoluta var. minor* Harm., *Parmelia revoluta var. revoluta* Flörke, *Parmelia sinuosa var. erratica* Linds., *Parmelia sinuosa var. excentrica* Mudd]
source: Zahlbruckner (1905, 1907), Yánez-Ayabaca (2009), Sipman et al. (2009), Benítez et al. (2012, 2015), Benítez (2016), Chuquimarca et al. (2019); R. C. Harris 17136B [NY], Benítez, A. 238 [HUTPL], Arvidsson... 7283 [GB], Arvidsson... 1508 [GB], Arvidsson... 756 [GB], Arvidsson, L. 7283 [CANB]

Hypotrachyna rockii (Zahlbr.) Hale

[*Parmelia rockii* Zahlbr.]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Benítez et al. (2012, 2015), Benítez (2016), Chuquimarca et al. (2019), van den Boom et al. (2022); K. Kalb 18610 [WIS], K. Kalb 18275 [WIS], K. Kalb 18149 [WIS], Benítez, A. 239 [HUTPL], Arvidsson... 165 [GB], Arvidsson... 2077 [GB], Arvidsson... 2076 [GB], Arvidsson... 6295 [GB], Arvidsson... 6298 [GB], Arvidsson... 2769 [GB], Arvidsson... 6970 [GB], Arvidsson... 6493 [GB], Arvidsson... 6497 [GB], Arvidsson... 6496 [GB], Arvidsson... 6062 [GB], Lindström... 2386 [GB], Arvidsson... 1118 [GB], Arvidsson... 1576 [GB], Arvidsson... 4315 [GB], Arvidsson... 4166 [GB], Andersson, Lennart 54 [GB], Arvidsson... 3289 [GB], Arvidsson... 3305 [GB], Lindström... 2290 [GB], Arvidsson... 4079 [GB], Arvidsson... 4080 [GB], Arvidsson... 686 [GB], Arvidsson... 6428 [GB], Holm-Nielsen... 123 [GB], Arvidsson... 5682 [GB], Arvidsson... 5905 [GB], Arvidsson... 5609 [GB], Arvidsson... 5612 [GB], Arvidsson... 2819 [GB], Arvidsson... 2821 [GB], Arvidsson... 3036 [GB]

Hypotrachyna salreducens Elix, T.H. Nash & Sipman

source: Sipman et al. (2009)

Hypotrachyna sanjosensis Elix, T.H. Nash & Sipman

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 8149 [CDS], Bungartz, F. 6825 [CDS], Spielmann, A.A. 10586 [CDS]

Hypotrachyna sinuosa (Sm.) Hale

[*Imbricaria sinuosa* (Sm.) Körb., *Imbricaria sinuosa f. sinuosa* (Sm.) Körb., *Imbricaria sinuosa var. angustifolia* Anzi, *Imbricaria sinuosa var. latifolia* Anzi, *Imbricaria sinuosa var. sinuosa* (Sm.) Körb., *Lichen sinuosus* Sm., *Parmelia sinuosa* (Sm.) Ach., *Parmelia sinuosa var. hypothrix* Nyl., *Parmelia sinuosa var. sinuosa* (Sm.) Ach.]
parasitized by *Nesolechia oxyspora* & *Nigromacula uniseptata*, source: Sklenář et al. (2010), Sipman et al. (2009), Etayo (2017), Chuquimarca et al. (2019), van den Boom et al. (2022); L. Arvidsson 6084 [ASU], L. Arvidsson 6104 [ASU], K. Kalb 19101 [WIS], K. Kalb 19084 [WIS], K. Kalb 18658 [WIS], K. Kalb 18661 [WIS], COLO-L-0074928 [COLO], R. M. King 74-4 [US], Arvidsson... 4175 [GB], Arvidsson... 4237 [GB], Arvidsson... 4316 [GB], Arvidsson... 4243 [GB], Arvidsson... 1673b [GB], Arvidsson... 1621 [GB], Arvidsson... 1643 [GB], Arvidsson... 7107 [GB], Arvidsson... 5685 [GB], Arvidsson... 5602 [GB], Arvidsson... 5630 [GB], Arvidsson... 5751 [GB], Arvidsson... 5752 [GB], Arvidsson... 5904 [GB], Arvidsson... 2941 [GB], Arvidsson... 2824 [GB], Arvidsson... 2825 [GB], Arvidsson... 956 [GB], Arvidsson... 755 [GB], Arvidsson... 904 [GB], Arvidsson... 908 [GB], Arvidsson... 3338 [GB], Arvidsson... 3320 [GB], Lindström... 2422 [GB], Lindström... 2329 [GB], Arvidsson... 1276 [GB], Arvidsson... 4784 [GB], Arvidsson... 6545 [GB], Arvidsson... 2754 [GB], Arvidsson... 2755 [GB], Arvidsson... 5971 [GB], Arvidsson... 6294 [GB], Arvidsson... 6124 [GB], Arvidsson... 1736 [GB], Arvidsson... 5556 [GB], Arvidsson... 6067 [GB], Arvidsson... 6084 [GB], Arvidsson... 5705 [GB], Arvidsson... 6104 [GB], Brako, L. 4359a [CANB], Harris, R.C. 17189 [CANB], Etayo, J. 20057 [hb. Etayo], Etayo, J. 20060 [hb. Etayo], Etayo, J. 20141 [hb. Etayo], Etayo, J. 25658 [hb. Etayo], Etayo, J. 25659 [hb. Etayo], Etayo, J. 25660 [hb. Etayo], Etayo, J. 25662 [hb. Etayo], Etayo, J. 26002 [hb. Etayo], Etayo, J. 26004 [hb. Etayo], Etayo, J. 26019 [hb. Etayo], Etayo, J. 26276 [hb. Etayo]

Hypotrachyna sinuosella Elix, T.H. Nash & Sipman

Etayo, J. 27018 [hb. Etayo]

Hypotrachyna sorocheila (Vain.) Divakar, A. Crespo, Sipman, Elix & Lumbsch,

[*Cetrariastrum sorocheilum* (Vain.) W.L. Culb. & C.F. Culb., *Everniastrum sorocheilum* (Vain.) Hale ex Sipman, *Parmelia sorocheila* Vain., *Parmelia sorocheila var. catawbiense* Degel., *Parmelia sorocheila var. sorocheila* Vain.]
source: Culberson & Culberson (1981), Sipman (1992); Culberson, William, L.... 20342 [DUKE], Culberson, William, L.... 20571 [DUKE], Culberson, William, L.... 20342 [DUKE], L. Arvidsson 962 [US], Arvidsson... 5842 [GB], Arvidsson... 5687 [GB], Arvidsson... 5629 [GB], Arvidsson... 5603 [GB], Arvidsson... 5910 [GB], Arvidsson... 5909 [GB], Arvidsson... 2849b [GB], Arvidsson... 718 [GB], Arvidsson... 846 [GB], Arvidsson... 969 [GB], Arvidsson... 962 [GB], Arvidsson... 1039 [GB], Arvidsson... 913 [GB], Arvidsson... 4268 [GB], Arvidsson... 4269 [GB], Arvidsson... 4271 [GB], Arvidsson... 1615 [GB], Arvidsson... 1644 [GB], Arvidsson... 4318 [GB], Arvidsson... 4367b [GB], Arvidsson... 1510b [GB], Arvidsson... 1095 [GB], Arvidsson... 6075 [GB], Arvidsson... 3576 [GB], Arvidsson... 3578 [GB], Arvidsson... 6136 [GB], Arvidsson... 6291 [GB], Arvidsson... 3278 [GB], Arvidsson... 3436 [GB], Arvidsson... 2330 [GB], Arvidsson... 4788 [GB], Arvidsson... 6366 [GB], Arvidsson... 6317 [GB], R. C. Harris 1983-12-10 [LD], William L.... 1987-08-22 [LD], R. C. Harris 17105 [S], William L.... 20342 [S], Erik Asplund L 36b [S], Erik Asplund L 81 [S], Etayo, J. 25615 [hb. Etayo], Etayo, J. 25802 [hb. Etayo]

Hypotrachyna spinulosa Sipman, Elix & T.H. Nash v

source: Sipman et al. (2009); Løjtnant... 14759 [GB], Arvidsson... 7281 [GB], Arvidsson... 1105 [GB]

Hypotrachyna spumosa (Asahina) Krog & Swinsc. v

[*Parmelia spumosa* Asahina, *Parmelina spumosa* (Asahina) Hale, *Parmelinopsis spumosa* (Asah.) Elix & Hale]
source: Fernández-Prado et al. (2022)

Hypotrachyna steyermarkii (Hale) Hale v

[*Parmelia steyermarkii* Hale]
source: Sipman et al. (2009), van den Boom (2022); Arvidsson... 554 [GB], Arvidsson... 3995 [GB], Arvidsson... 3932 [GB], Arvidsson... 4599 [GB], Arvidsson... 1853 [GB]

Hypotrachyna stictifera Kurok. & K.H. Moon v

source: Sipman et al. (2009); Lindström... 2291 [GB], Lindström... 2293 [GB], Arvidsson... 171 [GB]

Hypotrachyna subfatiscens (Kurok.) Swinscow & Krog

[*Parmelia subfatiscens* Kurok., *Parmelina subfatiscens* (Kurok.) Hale, *Parmelinopsis subfatiscens* (Kurok.) Elix & Hale]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, previously as *Parmelinopsis spumosa* (Asahina) Elix & Hale, but different chemistry; Bungartz, F. 7062 [CDS], Yánez-Ayabaca, A. 2074 [CDS], Yánez-Ayabaca, A. 2101 [CDS], Aptroot, A. 65594 [CDS], Aptroot, A. 65315 [CDS], Aptroot, A. 65593 [CDS], Aptroot, A. 64234 [CDS], Aptroot, A. 63316 [CDS], Aptroot, A. 64508 [CDS], Bungartz, F. 7123 [CDS], Aptroot, A. 63931 [CDS]

Hypotrachyna sublaevigata (Nyl.) Hale v

[*Parmelia canescens* Kurok., *Parmelia chilena* Nyl., *Parmelia sublaevigata* Nyl., *Parmelia tiliacea var. sublaevigata* Nyl.]
source: Yánez-Ayabaca (2009), Sipman et al. (2009); K. Kalb 18657 [WIS], L. Arvidsson & D. Nilson 1021 [US], R. M. King... 74-177 [US], L. Arvidsson... 4167 [US], Holm-Nielsen... 4863 [GB], Arvidsson... 342 [GB], Arvidsson... 1097 [GB], Arvidsson... 4399 [GB], Arvidsson... 4167 [GB], Arvidsson... 7066 [GB], Arvidsson... 6496 [GB], Arvidsson... 907 [GB], Arvidsson... 1021 [GB], Arvidsson... 3247 [GB]

Hypotrachyna subpartita Yánez-Ayabaca & Eliasaro v

source: Yánez-Ayabaca (2009)

Hypotrachyna subphysodalica (Hale) Hale v

[*Parmelia subphysodalica* Hale]
source: van den Boom et al. (2022)

Hypotrachyna subplana (Sipman) Divakar, A. Crespo, Sipman, Elix & Lumbsch v

[*Cetrariastrum subplanum* (Sipman) Kurok., *Everniastrum subplanum* Sipman]
source: Yánez-Ayabaca (2009); Aptroot, A. 63652 [CDS]

Hypotrachyna swinscowii (Hale) Krog & Swinscow v

[*Parmelia swinscowii* Hale, *Parmelina swinscowii* (Hale) Hale, *Parmelinopsis swinscowii* (Hale) Elix & Hale]
T.H. Nash III 23850 [ASU]

Hypotrachyna tariensis Elix v

source: Yánez-Ayabaca (2009), Sipman et al. (2009); K. Kalb 18635 [WIS], K. Kalb 18663 [WIS], Arvidsson... 7213 [GB], Arvidsson... 5760 [GB], Arvidsson... 5750 [GB], Arvidsson... 6063 [GB], Arvidsson... 5707 [GB], Holm-Nielsen... 17924 [GB], Arvidsson... 3420 [GB]

Hypotrachyna taylorensis (M. E. Mitch.) Hale v

[*Parmelia revoluta f. rugosa* (Taylor) Hillmann, *Parmelia revoluta var. rugosa* Cromb., *Parmelia rugosa* Taylor, *Parmelia rugosa var. lundensis* Fr., *Parmelia rugosa var. rugosa* Taylor, *Parmelia taylorensis* M.E. Mitch.]
source: Yánez-Ayabaca (2009)

Hypotrachyna vexans (Zahlbr. ex W.L. Culb. & C.F. Culb.) Divakar, A. Crespo, Sipman, Elix & Lumbsch v

[*Cetrariastrum vexans* Zahlbr. ex W.L. Culb. & C. F. Culb., *Everniastrum vexans* (Zahlbr. ex W.L. Culb. & C.F. Culb.) Hale ex Sipman, *Parmelia vexans* Zahlbr. nom. inval.]
source: Weber (1981, 1986), Culberson & Culberson (1981) , Sipman (1992), Elix & McCarthy (1998), Nöske & Sipman (2004), Paroly & Kürschner (2004), Nöske et al. (2007), Mandl (2007), Benítez et al. (2012, 2015), Yánez-Ayabaca (2009); T.H. Nash III 23803 [ASU], William A. Weber 1976-05-10 [BRY], D. Ugent K [WIS], D. Ugent [W] [WIS], D. Ugent [J] [WIS], Thomas H. Nash III 23803 [LSU], J. L. Luteyn... 8815 [US], Aptroot, A. 65508 [CDS], Aptroot, A. 64678 [CDS], Bungartz, F. 4029 [CDS], Bungartz, F. 4020 [CDS], Bungartz, F. 3982 [CDS], Bungartz, F. 4114 [CDS], Bungartz, F. 4731 [CDS], Aptroot, A. 65219 [CDS], Bungartz, F. 4164 [CDS], Bungartz, F. 6826 [CDS], Bungartz, F. 6925 [CDS], Ertz, D. 11853 [CDS], Bungartz, F. 7533 [CDS], Truong, C. 1179 [CDS], Truong, C. 1228 [CDS], Truong, C. 1246 [CDS], Clerc, P. 08-130 [CDS], Herrera-Campos, M.A. 10577 [CDS], Bungartz, F. 8360 [CDS], Spielmann, A.A. 10457 [CDS], Spielmann, A.A. 10461 [CDS], Spielmann, A.A. 10464 [CDS], Spielmann, A.A. 10573 [CDS], Spielmann, A.A. 10596 [CDS], Nugra, F. 1048 [CDS], Nugra, F. 1068 [CDS], Nugra, F. 1082 [CDS], Nugra, F. 1083 [CDS], Nugra, F. 1092 [CDS], Bungartz, F. 10400 [CDS], Bungartz, F. 10955 [CDS], Bungartz, F. 7566 B [CDS], Bungartz, F. 10901 [CDS], Bungartz, F. 10925 [CDS], Benítez, A. 168 [HUTPL], Arvidsson... 5712 [GB], Arvidsson... 5524 [GB], Arvidsson... 5540 [GB], Lindström... 2351 [GB], Lindström... 1998 [GB], Lindström... 1984 [GB], Arvidsson... 6752 [GB], Arvidsson... 6764 [GB], Arvidsson... 3647 [GB], Arvidsson... 3695 [GB], Arvidsson... 3764 [GB], Lindström... 2035 [GB], Arvidsson... 5430 [GB], Arvidsson... 5424 [GB], Arvidsson... 5496 [GB], Arvidsson... 5938 [GB], Arvidsson... 5811 [GB], Arvidsson... 6806 [GB], Arvidsson... 1053 [GB], Arvidsson... 847 [GB], Arvidsson... 2959 [GB], Arvidsson... 2958 [GB], Arvidsson... 3043 [GB], Løjtnant... 15708 [GB], Andersson... 430 [GB], Arvidsson... 6909 [GB], Arvidsson... 7243 [GB], Arvidsson... 4200 [GB], Lindström... 2278 [GB], Lindström... 2296 [GB], Lindström... 2298 [GB], Lindström... 2306 [GB], Arvidsson... 3437 [GB], Arvidsson... 3438 [GB], Arvidsson... 3470 [GB], Arvidsson... 6365 [GB], Arvidsson... 4095 [GB], Arvidsson... 4058 [GB], Arvidsson... 6582 [GB], Arvidsson... 6581 [GB], Arvidsson... 6589 [GB], Arvidsson... 1752 [GB], Arvidsson... 1753 [GB], Holm-Nielsen... 1067 [GB], Arvidsson... 2803 [GB], Andersson, Lennart 1892 [GB], Andersson, Lennart 1458 [GB], Arvidsson... 2329 [GB], Andersson... 533 [GB], Arvidsson... 1959 [GB], Holm-Nielsen... 3715 [GB], Erik Asplund 1939-05-23 [LD], Etayo, J. 25615 [hb. Etayo], Etayo, J. 25681 [hb. Etayo], Etayo, J. 25745 [hb. Etayo]

Hypotrachyna wirthii Sipman, Elix & T.H. Nash v

source: Sipman et al. (2009); Arvidsson... 3584 [GB]

Hypotrachyna zamoraensis Sipman, Elix & T.H. Nash v

Holotype LOJA, Nöske 60, source: Nöske et al. (2007), Sipman et al. (2009)

Icmadophila

Icmadophila aversa (Nyl.) Rambold & Hertel v

[*Glossodium aversum* Nyl.]
source: Nöske & Sipman (2004), Nöske et al. (2007); Marcelo Díaz-Andrade 19 [INABIOEC-MECN-QCNE], Diego Naranjo 11 [INABIOEC-MECN-QCNE], Rosa Batallas Molina 460 [INABIOEC-MECN-QCNE]

Illosporium

Illosporium roseum Mart. v

[*Illosporium carneum* Fr., *Illosporium roseum var. roseum* Mart., *Lepra carnea* Ehrh., *Lepra rosea* (Schreb.) Willd., *Lepraria rosea* (Schreb.) Ach., *Lichen roseus* Schreb., *Parmelia rosea* (Schreb.) Lyngb., *Parmelia rosea f. rosea* Gyeln., *Tubercularia rosea* (Schreb.) Pers., *Tubercularia rosea var. carnea* (Ehrh.) Pers., *Tubercularia rosea var. rosea* (Schreb.) Pers.]
* = lichenicolous fungi (parasites on living lichens); on *Peltigera* sp., source: Etayo (2017); Etayo, J. 20033 [hb. Etayo]

Inoderma

Inoderma epigaeum (Pers.) Gray v

[*Lichen terrestris* Sm., *Pyrenotea epigaea* (Pers.) Spreng., *Sphaeria epigaea* Pers., *Thrombium aoristoides* I.M. Lamb, *Thrombium epigaeum* (Pers.) Wallr., *Verrucaria epigaea* (Pers.) Ach., *Verrucaria epigaea var. epigaea* (Pers.) Ach.]
R. C. Harris 17018 [NY]

Intralichen

Intralichen christiansenii (D. Hawksw.) D. Hawksw. & M. S. Cole

[*Bispora christiansenii* D. Hawksw.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 65198 B [CDS]

Intralichen lichenicola (M.S. Christ. & D. Hawksw.) D. Hawksw. & M.S. Cole v

[*Trimmatostroma lichenicola* M.S. Christ. & D. Hawksw.]
J. Etayo 19908 [hb. Etayo]

Japewiella

Japewiella tavaresiana (H. Magn.) Printzen v

[*Japewia carrollii* (Coppins & P. James) Tønsberg, *Japewia tavaresiana* (H. Magn.) Coppins & A.M. Coppins nom. inval., *Japewiella carrollii* (Coppins & P. James) Printzen, *Lecidea carrollii* Coppins & P. James, *Lecidea tavaresiana* H. Magn.]
source: van den Boom et al. (2022)

Julella

Julella asema R.C. Harris

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 64729 [CDS], Bungartz, F. 4490 [CDS], Bungartz, F. 3791 [CDS], Aptroot, A. 64428 [CDS]

Julella geminella (Nyl.) R.C. Harris

[*Polyblastia geminella* (Nyl.) Trevis., *Polyblastiopsis geminella* (Nyl.) Zahlbr., *Polyblastiopsis rappii* Zahlbr., *Thelenella geminella* (Nyl.) Vain., *Verrucaria geminella* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 4491 [CDS], Bungartz, F. 4493 [CDS], Bungartz, F. 5077 [CDS], Bungartz, F. 5110 [CDS], Bungartz, F. 5100 [CDS], Aptroot, A. 64732 [CDS], Aptroot, A. 64731 [CDS], Yánez-Ayabaca, A. 1782 [CDS], Bungartz, F. 10004 [CDS]

Karschia

Karschia talcophila (Ach.) Körb. v

[*Abrothallus talcophilus* (Ach.) A. Massal., *Buellia talcophila* (Ach.) Körb., *Lecidea talcophila* Ach., *Mycoblastus talcophilus* (Ach.) Trevis., *Poetschia talcophila* (Ach.) Stein]
* = lichenicolous fungi (parasites on living lichens); on *Diploschistes* sp., *Diploschistes muscorum* and *Trapelia* sp., source: Etayo (2017); Etayo, J. 25526 [hb. Etayo], J. Etayo 25605 [hb. Etayo], Etayo, J. 27033 [hb. Etayo], Etayo, J. 27039 [hb. Etayo]

Keratosphaera

Keratosphaera batistae H.B.P. Upadhyay v

[*Sphaeromma mazosiae* H.B.P. Upadhyay, 1964]
* = lichenicolous fungi (parasites on living lichens); on *Mazosia phyllosema*, source: Lücking (1999), Etayo (2017)

Keratosphaera porinae Matzer v

* = lichenicolous fungi (parasites on living lichens); on *Porina subepiphylla*, source: Etayo (2017)

Knufia

Knufia peltigerae (Fuckel) Réblová & Unter. v

[*Acanthostigma peltigerae* (Fuckel) G. Winter, *Capronia peltigerae* (Fuckel) D. Hawksw., *Enchnosphaeria peltigerae* (Fuckel) Sacc., *Herpotrichiella peltigerae* (Fuckel) D. Hawksw., *Trichosphaeria peltigerae* Fuckel]
J. Etayo 26307 [hb. Etayo], Etayo, J. 26986 [hb. Etayo]

Koerberiella

Koerberiella wimmeriana (Körb.) Stein

[*Aspicilia leucophyma* (Leight.) Hue, *Aspicilia leucophyma var. leucophyma* (Leight.) Hue, *Aspicilia leucophyma var. littoralis* (Vain.) Räsänen, *Lecanora leucophyma* Leight., *Lecanora wimmeriana* (Körb.) Poetsch, *Zeora wimmeriana* Körb.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 4456 [CDS], Aptroot, A. 64942 [CDS], Aptroot, A. 65691 [CDS]

Lacrima

Lacrima aphanotripta (Nyl.) Bungartz, Søchting & Arup

[*Caloplaca aphanotripta* (Nyl.) Zahlbr., *Caloplaca griseovirens* (A.L. Sm.) Zahlbr., *Caloplaca isidiosissimus* Breuss, *Lecanora aphanotripta* Nyl., *Placodium aphanotriptum* (Nyl.) Eckfeldt, *Placodium griseovirens* A.L. Sm.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2020b); Bungartz, F. 4100 [CDS], Bungartz, F. 4051 [CDS], Aptroot, A. 65085 [CDS], Aptroot, A. 64874 [CDS]

Lacrima epiphora (Taylor) Bungartz, Søchting & Arup

[*Callopisma aurantiacum f. epiphora* (Lightf.) Müll. Arg., *Callopisma aurantiacum f. epiphorum* (Taylor) Müll. Arg., *Caloplaca aurantiaca f. epiphora* (Taylor) Zahlbr., *Caloplaca epiphora* (Taylor) Dodge, *Caloplaca epiphora var. epiphora* (Taylor) C.W. Dodge, *Caloplaca epiphora var. fuscescens* C.W. Dodge, *Lecanora epiphora* Taylor]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2020b); Weber, W.A. s.n. [CDS], Aptroot, A. 64629 A [CDS], Bungartz, F. 5714 [CDS], Bungartz, F. 5786 [CDS], Bungartz, F. 4421 [CDS], Bungartz, F. 9592 [CDS], Bungartz, F. 10234 [CDS], Bungartz, F. 5167 [CDS], Bungartz, F. 6298 [CDS], Ertz, D. 12021 [CDS], Yánez-Ayabaca, A. 1784 [CDS], Aptroot, A. 65388 [CDS], Bungartz, F. 6248 [CDS], Bungartz, F. 8421 [CDS], Bungartz, F. 6452 [CDS], Bungartz, F. 7790 [CDS], Aptroot, A. 63961 [CDS]

Lacrima galapagoensis Bungartz & Søchting

endemic to Galapagos, Holotype: Bungartz 4813 [CDS 28977], source: Bungartz et al. (2020b); Bungartz, F. 4861 [CDS], Bungartz, F. 4715 [CDS], Aptroot, A. 65743 [CDS], Bungartz, F. 4091 [CDS], Bungartz, F. 4776 [CDS], Aptroot, A. 63715 [CDS], Bungartz, F. 6296 [CDS], Bungartz, F. 4813 [CDS], Bungartz, F. 9098 [CDS], Bungartz, F. 5992 [CDS], Aptroot, A. 63688 [CDS], Aptroot, A. 64892 [CDS], Aptroot, A. 65114 [CDS]

Lasioloma

Lasioloma arachnoideum (Kremp.) R. Sant.

[*Lopadium arachnoideum* (Kremp.) Müll. Arg., *Phlyctis arachnoidea* Kremp., *Sporopodium leprieurii var. arachnoideum* (Kremp.) Vain.]
source: Lücking (1999, 2008), van den Boom et al. (2022); Robert Lücking 96-147 [INABIOEC-MECN-QCNE], Robert Lücking 96-1145 [INABIOEC-MECN-QCNE], Robert Lücking 96-244 [INABIOEC-MECN-QCNE], Robert Lücking 96-518 [INABIOEC-MECN-QCNE]

Lasioloma stephanellum (Nyl.) Lücking & Sérus.

[*Lecidea stephanella* Nyl., *Lopadium stephanellum* (Nyl.) Zahlbr.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 63395 E [CDS], Aptroot, A. 63869 [CDS], Aptroot, A. 64525 A [CDS]

Lathagrium

Lathagrium neglectum (Degel.) Otálora, P.M. Jørg. & Wedin

[*Collema neglectum* Degel.]
source: Cevallos Solórzano (2012); Andersson... 551a [GB], Andersson... 501 [GB]

Lawreyella

Lawreyella lobariella (S.Y. Kondr. & D.J. Galloway) Flakus, Etayo, Kukwa & Rodr. Flakus

[*Unguiculariopsis lobariella* S.Y. Kondr. & D.J. Galloway]
* = lichenicolous fungi (parasites on living lichens); on *Lobariella pallida* & *L. crenulata*, source: Kondratyuk and Galloway (1995), Etayo (2017); J. Etayo 17258 [hb. Etayo], Etayo, J. 17338 [hb. Etayo], Etayo, J. 19953 [hb. Etayo], Etayo, J. 20106 [hb. Etayo], Etayo, J. 20148 [hb. Etayo], Etayo, J. 25472 [hb. Etayo], Etayo, J. 25538 [hb. Etayo], J. Etayo 25588 [hb. Etayo], Etayo, J. 25897 [hb. Etayo], Etayo, J. 26006 [hb. Etayo]

Lawreymyces

Lawreymyces palicei Lücking & Moncada nom. inval.

* = lichenicolous fungi (parasites on living lichens); on *Agonimia foliacea*, endolichenic fungus known only from DNA sequences; the names of the genus and species are formally invalid because the Code requires deposition of physical specimens and not just DNA sequences as types, source: Lücking & Moncada (2017), Diederich (2022)

Lecanactis

Lecanactis epileuca (Nyl.) Tehler

[*Lecanactis subattingens* (Nyl.) R.C. Harris, *Platygrapha subattingens* Nyl., *Schismatomma subattingens* (Nyl.) Zahlbr.]
parasitized by *Chaenothecopsis brevipes*, source: Nöske & Sipman (2004), Nöske et al. (2007), Etayo (2017), van den Boom et al. (2022); Clerc, P. 08-294 [CDS], Herrera-Campos, M.A. GAL-428 [CDS], Bungartz, F. 6676 [CDS], Clerc, P. 08-296 [CDS], Bungartz, F. 10176 [CDS], Bungartz, F. 10182 [CDS], Bungartz, F. 10242 [CDS], Yánez-Ayabaca, A. 1869 [CDS]

Lecania

Lecania cyrtella (Ach.) Th. Fr.

[*Biatora cyrtella* (Ach.) Mann, *Biatorina cyrtella* (Ach.) Körb., *Biatorina sambucina* Körb., *Bilimbia anomala* Mudd, *Bilimbia cyrtella* (Ach.) Branth & Rostr., *Lecania cyrtella subsp. cyrtella* (Ach.) Th. Fr., *Lecania sambucina* (Körb.) Arnold, *Lecaniella cyrtella* (Ach.) Jatta, *Lecaniella sambucina* (Körb.) Jatta, *Lecanora cyrtella* (Ach.) Röhl., *Lecidea cyrtella* Ach., *Lecidea cyrtella subsp. cyrtella* Ach., *Lecidea cyrtella subsp. heeri* (Hepp ex A. Massal.) Nyl., *Lecidea cyrtella subsp. heerii* (Hepp ex A. Massal.) Nyl., *Lichen cyrtellus* (Ach.) Sm., *Patellaria cyrtella* (Ach.) Müll.Arg., *Sporoblastia cyrtella* (Ach.) Trevis.]
source: van den Boom et al. (2022)

Lecania subfuscula (Nyl.) S. Ekman

[*Bacidia circumpallens* (Nyl.) Arnold, *Bacidia siberiensis* (Willey) Zahlbr., *Bacidia sibiriensis* (Willey) Zahlbr., *Bacidia subfuscula* (Nyl.) Th. Fr., *Bilimbia subfuscula* (Nyl.) Th. Fr., *Bilimbia subfuscula f. frigida* Th. Fr., *Bilimbia subfuscula f. subfuscula* (Nyl.) Th. Fr., *Lecidea circumpallens* Nyl., *Lecidea subfuscula* Nyl.]
source: van den Boom et al. (2022)

Lecanographa

Lecanographa brattiae (Egea & Ertz) Ertz & Tehler

[*Opegrapha brattiae* Egea & Ertz]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Ertz & Tehler (2010); Ertz, D. 11608 [CDS], Clerc, P. 08-270 A [CDS], Aptroot, A. 64983 [CDS]

Lecanographa hypothallina (Zahlbr.) Egea & Torrente

[*Lecanactis nashii* Egea & Torrente, *Opegrapha hassei* Zahlbr., *Opegrapha hypothallina* (Zahlbr.) Tehler, *Platygrapha hypothallina* Zahlbr., *Schismatomma hypothallinum* (Zahlbr.) Hasse]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Aptroot & Sparrius (2008); Bungartz, F. 3853 [CDS], Bungartz, F. 3601 [CDS], Bungartz, F. 3602 [CDS], Bungartz, F. 3822 [CDS], Aptroot, A. 64394 [CDS], Bungartz, F. 3821 [CDS], Bungartz, F. 3824 [CDS], Ertz, D. 11602 [CDS]

Lecanographa illecebrosula (Müll. Arg.) Egea & Torrente

[*Lecanactis illecebrosula* (Müll.Arg.) Zahlbr., *Opegrapha illecebrosula* Müll.Arg.]
source: Benítez et al. (2019); Benítez, A. 38 [HUTPL]

Lecanographa imitans Werner & Follmann

* = lichenicolous fungi (parasites on living lichens); on *Rocella gracilis* (as: *Roccella humboldtiana* var. *hypochromatica*), Holotype KOELN 35310, source: Follmann & Werner (2003)

Lecanographa laingiana Diederich, Egea & Sipman

source: Aptroot & Sparrius (2008), Benítez (2016), Benítez et al. (2019); Aptroot, A. 64620 [CDS], Bungartz, F. 5987 [CDS], Aptroot, A. 64381 [CDS], Aptroot, A. 64403 [CDS], Bungartz, F. 3834 [CDS], Bungartz, F. 3796 [CDS], Bungartz, F. 3777 [CDS], Ertz, D. 11663 [CDS], Ertz, D. 11727 [CDS], Ertz, D. 11731 [CDS], Bungartz, F. 7162 [CDS], Bungartz, F. 7171 [CDS], Bungartz, F. 7180 [CDS], Bungartz, F. 7269 [CDS], Bungartz, F. 7856 [CDS], Bungartz, F. 8472 B [CDS], Bungartz, F. 7306 B [CDS], Bungartz, F. 8817 [CDS]

Lecanographa lyncea (Sm.) Egea & Torrente

[*Arthonia lyncea* (Sm.) Ach., *Lecidea lyncea* (Sm.) Ach., *Lichen lynceus* Sm., *Opegrapha lyncea* (Sm.) Borrer ex Hook., *Opegrapha lyncea f. lyncea* (Sm.) Borrer ex Hook., *Opegrapha lyncea f. nigra* (DC.) M. Choisy, *Spiloma lyncea* (Sm.) Ach.]
source: Aptroot & Sparrius (2008), Benítez (2016), Benítez et al. (2019); Weber, W.A. s.n. [CDS], Bungartz, F. 4634 [CDS], Aptroot, A. 65568 [CDS], Bungartz, F. 4520 [CDS], Aptroot, A. 64373 [CDS], Aptroot, A. 64404 A [CDS], Aptroot, A. 64408 B [CDS], Bungartz, F. 3741 [CDS], Bungartz, F. 3793 [CDS], Aptroot, A. 64414 [CDS], Ertz, D. 11572 [CDS], Herrera-Campos, M.A. 10692 [CDS], Bungartz, F. 8328 [CDS], Bungartz, F. 8329 [CDS], Bungartz, F. 8371 [CDS], Bungartz, F. 8374 [CDS], Bungartz, F. 8469 [CDS], Nugra, F. 907 [CDS], Yánez-Ayabaca, A. 1576 [CDS], Bungartz, F. 8898 [CDS], Bungartz, F. 9073 [CDS], Bungartz, F. 9127 [CDS]

Lecanographa microcarpella (Müll. Arg.) Egea & Torrente

[*Lecanactis microcarpella* (Müll.Arg.) Zahlbr., *Opegrapha microcarpella* Müll.Arg.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, in Aptroot & Sparrius (2008) cited as *Lecanographa illecebrosula*, misidentifications accordig to specimen annotations by F. Bungartz, 2008 and D. Ertz, 2011, source: Aptroot & Sparrius (2008); Aptroot, A. 65381 [CDS], Bungartz, F. 6214 [CDS], Aptroot, A. 64595 [CDS], Aptroot, A. 64487 [CDS], Aptroot, A. 65626 [CDS], Bungartz, F. 4592 [CDS], Bungartz, F. 4432 [CDS], Ertz, D. 11513 [CDS], Ertz, D. 11561 [CDS], Ertz, D. 11562 [CDS], Bungartz, F. 4638 [CDS], Bungartz, F. 4910 [CDS], Rivas Plata, E. 4010 [CDS], Yánez-Ayabaca, A. 1625 [CDS], Yánez-Ayabaca, A. 1683 [CDS], Yánez-Ayabaca, A.

1699 [CDS], Bungartz, F. 8894 [CDS], Bungartz, F. 9074 [CDS], Bungartz, F. 9803 [CDS], Tehler, A. 8647 [CDS], Bungartz, F. 4674 [CDS], Aptroot, A. 63232 [CDS]

Lecanographa subcaesioides Egea & Torrente

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Aptroot & Sparrius (2008); Bungartz, F. 5205 [CDS], Aptroot, A. 64544 [CDS], Aptroot, A. 64721 [CDS], Aptroot, A. 65242 [CDS], Bungartz, F. 3810 [CDS], Bungartz, F. 4778 [CDS], Aptroot, A. 65716 [CDS], Bungartz, F. 4782 [CDS], Bungartz, F. 4809 [CDS], Ertz, D. 11577 [CDS], Ertz, D. 11589 [CDS], Ertz, D. 11770 [CDS], Ertz, D. 11800 [CDS], Ertz, D. 11877 [CDS], Ertz, D. 11885 [CDS], Ertz, D. 11955 [CDS], Ertz, D. 11968 [CDS], Bungartz, F. 7383 [CDS], Bungartz, F. 7590 [CDS], Bungartz, F. 7769 [CDS], Ertz, D. 11820 A [CDS], Nugra, F. 641 [CDS], Bungartz, F. 5152 A [CDS], Bungartz, F. 8740 [CDS], Bungartz, F. 9984 [CDS], Bungartz, F. 9992 [CDS], Bungartz, F. 9983 [CDS]

Lecanora

Lecanora achroa Nyl.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2020); Nugra, F. 111 [CDS], Bungartz, F. 9604 [CDS], Bungartz, F. 4483 [CDS], Bungartz, F. 9399 [CDS]

Lecanora albella (Pers.) Ach. v

[*Lecanora albella f. albella* (Pers.) Ach., *Lecanora albella subsp. albella* (Pers.) Ach., *Lecanora albella var. albella* (Pers.) Ach., *Lecanora albella var. rubescens* (Imshaug & Brodo) Lumbsch, *Lecanora pallida var. rubescens* Imshaug & Brodo, *Lecanora subalbella* Nyl., *Lecanora subfusca f. albella* (Pers.) Leight., *Lichen albellus* Pers., *Lichen pallidus* Schreb., *Parmelia albella* (Pers.) Ach., *Parmelia pallida var. albella* (Pers.) Schaer., *Psora albella* (Pers.) Hampe, *Rinodina albella* (Pers.) Gray, *Verrucaria albella* (Pers.) Hoffm.]
source: Návas (1908), Cevallos Solórzano (2012), van den Boom et al. (2022)

Lecanora albellula Nyl. v

[*Lecanora piniperda* Körb., *Lecanora piniperda f. detrusa* (Th. Fr.) Hedl., *Lecanora piniperda f. nigrescens* Hedl., *Lecanora piniperda f. piniperda* Körb., *Lecanora piniperda f. polita* Hedl., *Lecanora piniperda subsp. piniperda* Körb., *Lecanora piniperda subsp. sarcopisoides* (A. Massal.) Hedl., *Lecanora piniperda var. glaucella* (Flot.) Körb., *Lecanora piniperda var. ochrostoma* (Hepp) Körb., *Lecanora piniperda var. piniperda* Körb., *Lecanora piniperda var. prorumpens* Erichsen]
source: van den Boom et al. (2022)

Lecanora allophana Nyl. v

[*Lecanora subfusca* Müll.Arg., *Lecanora subfusca f. alboflavescens* (A. Massal.) Jatta, *Lecanora subfusca f. allophana* Ach., *Lecanora subfusca f. aspicilioides* Harm., *Lecanora subfusca f. conferta* Hillmann, *Lecanora subfusca f. cretacea* Malbr., *Lecanora subfusca f. dispersa* Hillmann, *Lecanora subfusca f. expansa* (Ach.) Zahlbr., *Lecanora subfusca f. exuta* Nyl., *Lecanora subfusca f. flavescens* Sommerf., *Lecanora subfusca f. melacarpoides* Zahlbr., *Lecanora subfusca f. paupera* Th. Fr., *Lecanora subfusca f. pinastri* (Schaer.) Cromb., *Lecanora subfusca f. sorediella* Arnold, *Lecanora subfusca f. spodophaeoides* Leight., *Lecanora subfusca f. sublactea* Harm., *Lecanora subfusca f. transcendens* Nyl., *Lecanora subfusca var. albella* (Pers.) Fr., *Lecanora subfusca var. albidolutescens* Tuck., *Lecanora subfusca var. anomala* Meyen & Flot., *Lecanora subfusca var. argentata* Ach., *Lecanora subfusca var. atrynea* Ach., *Lecanora subfusca var. biatorea* Nyl., *Lecanora subfusca var. bryophila* Schaer., *Lecanora subfusca var. campestris* (Schaer.) Rabenh., *Lecanora subfusca var. castanea* Meyen & Flot., *Lecanora subfusca var. cenisia* Stizenb., *Lecanora subfusca var. chlarothera* (Nyl.) Vain., *Lecanora subfusca var. circumplumescens* Nyl., *Lecanora subfusca var. compacta* Müll.Arg., *Lecanora subfusca var. conjugens* Müll.Arg., *Lecanora subfusca var. distans* (Pers.) D. Dietr., *Lecanora subfusca var. duplicata* Tuck., *Lecanora subfusca var. excrescens* Hillmann, *Lecanora subfusca var. flavescens* Sommerf., *Lecanora subfusca var. geographica* A. Massal., *Lecanora subfusca var. glebulosa* Flot., *Lecanora subfusca var. hypnorum* (Wulfen) Schaer., *Lecanora subfusca var. innovata* Hillmann, *Lecanora subfusca var. lecideoides* Nyl., *Lecanora subfusca var. margaritacea* Körb., *Lecanora subfusca var. melaleuca* Müll.Arg., *Lecanora subfusca var. melanocardia* Tuck., *Lecanora subfusca var. mesophana* Nyl., *Lecanora subfusca var. minor* Müll.Arg., *Lecanora subfusca var. orbicularis* A. Massal. ex Bagl., *Lecanora subfusca var. pallidevirens* Meyen & Flot., *Lecanora subfusca var. pelidnocarpa* Mont., *Lecanora subfusca var. rufa* (Weiss) Ach., *Lecanora subfusca var. subcrenulata* Vain., *Lecanora subfusca var. subgranulata* Nyl., *Lecanora subfusca var. testaceopallida* Müll.Arg., *Lecanora subfusca var. variolosa* Körb.]
problematic, no modern record, the name *Lecanora allophana* (Ach.) Nyl. is now considered a synonym of *L. albella* (Pers.) Ach., but Guderley (1999) does not report that species and it is not clear what the records in *Lecanora subfusca* var. *allophana* in Návas (1908) and of *L. subfusca* in Diels (1937) corresponds to, source: Návas (1908; as *Lecanora subfusca* var. *allophana*), Diels (1937; as *Lecanora subfusca*))

Lecanora argentata (Ach.) Malme v

[*Lecanora subfusca f. argentata* (Ach.) Flot., *Lecanora subfuscata* H. Magn., *Lecanora subfuscata f. geographica* (Flagey) Szatala, *Lecanora subfuscata f. lignicola* Szatala, *Lecanora subfuscata f. melacarpa* (Harm.) Szatala, *Lecanora subfuscata f. subfuscata* H. Magn., *Lecanora subfuscata f. variolosa* (Körb.) Grummann, *Lecanora subfuscata var. excrescens* (Hillmann) Hillmann, *Lecanora subfuscata var. rhododendri* Poelt, *Lecanora subfuscata var. subfuscata* H. Magn., *Lecanora subfuscata var. variolosa* Körb., *Parmelia subfusca var. argentata* Ach., *Urceolaria acharii var. argentata* Ach.]
source: Guderley (1999); K. Kalb 19397 [WIS], K. Kalb 18507 [WIS], K. Kalb 18508 [WIS], K. Kalb 18543 [WIS]

Lecanora atro-ocellata Bungartz

endemic to Galapagos, Holotype: Ertz 11821 [CDS 37180], source: Bungartz et al. (2020); Bungartz, F. 7408 [CDS], Bungartz, F. 6784 [CDS], Ertz, D. 11806 [CDS], Ertz, D. 11821 [CDS], Bungartz, F. 7427 [CDS], Bungartz, F. 7584 [CDS], Bungartz, F. 7593 [CDS], Bungartz, F. 8166 [CDS], Bungartz, F. 6776 [CDS], Bungartz, F. 6786 [CDS]

Lecanora austro-oceanica Hertel & Leuckert

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. 2020

Lecanora austrosorediosa Lumbsch

[*Biatora sorediosa* Rambold]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. 2020; Bungartz, F. 4851 [CDS], Bungartz, F. 7885 [CDS], Aptroot, A. 65347 [CDS], Bungartz, F. 4626 [CDS], Aptroot, A. 65396 [CDS], Bungartz, F. 6425 [CDS], Bungartz, F. 6426 [CDS], Bungartz, F. 4399 [CDS], Bungartz, F. 4566 [CDS], Aptroot, A. 65748 [CDS], Aptroot, A. 64939 [CDS], Bungartz, F. 6942 [CDS], Truong, C. 1513 [CDS], Bungartz, F. 9355 [CDS], Bungartz, F. 9580 [CDS], Bungartz, F. 4612 [CDS], Spielmann, A.A. 10615 [CDS], Bungartz, F. 9764 [CDS], Bungartz, F. 9356 [CDS], Yánez-Ayabaca, A. 1771 [CDS], Bungartz, F. 10472 [CDS], Spielmann, A.A. 10744 [CDS], Spielmann, A.A. 10743 [CDS], Bungartz, F. 4398 [CDS]

Lecanora avium (Zahlbr.) Hertel

[*Lecidea chilena* Zahlbr.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Elix & McCarthy (1998), Weber (1986), Bungartz et al. (2020); Bungartz, F. 6312 [CDS], Bungartz, F. 6411 [CDS], Bungartz, F. 10228 [CDS]

Lecanora cactacea Bungartz & Elix

endemic to Galapagos, Holotype: Bungartz 8178 [CDS 40824], source: Bungartz et al. (2020); Bungartz, F. 8177 [CDS], Bungartz, F. 8178 [CDS], Truong, C. 1174 [CDS]

Lecanora caesiorubella Ach. v

[*Lecanora australiensis* Zahlbr., *Lecanora caesiorubella subsp. caesiorubella* Ach., *Lecanora cancriformis* (Hoffm.) Vain., *Lecanora leucoma* Nyl., *Lecanora pallida var. caesiorubella* (Ach.) H. Magn., *Lecanora pulverata* Stirt., *Parmelia caesiorubella* (Ach.) Fr., *Patellaria caesiorubella* (Ach.) Trevis., *Verrucaria cancriformis* Hoffm.]
source: Elix & McCarthy (1998), Weber (1986), Benítez et al. (2015), Benítez (2016), Bungartz et al. (2020); Bungartz, F. 6018 [CDS], Simbaña, W. 537 [CDS], Bungartz, F. 7401 [CDS], Bungartz, F. 7441 [CDS], Bungartz, F. 7677 [CDS], Bungartz, F. 7817 [CDS], Bungartz, F. 7845 [CDS], Ertz, D. 11815 [CDS], Weber, W.A. s.n. [CDS], Simbaña, W. 557 [CDS], Aptroot, A. 64764 [CDS], Bungartz, F. 3921 [CDS], Aptroot, A. 64592 [CDS], Bungartz, F. 3882 [CDS], Bungartz, F. 6316 [CDS], Bungartz, F. 5044 [CDS], Aptroot, A. 65627 [CDS], Bungartz, F. 6348 [CDS], Aptroot, A. 64909 A [CDS], Bungartz, F. 4350 [CDS], Aptroot, A. 65421 [CDS], Bungartz, F. 5976 [CDS], Bungartz, F. 6983 [CDS], Ertz, D. 11980 [CDS], Ertz, D. 11990 [CDS], Bungartz, F. 7394 [CDS], Bungartz, F. 7398 A [CDS], Bungartz, F. 7638 [CDS], Herrera-Campos, M.A. 10759 [CDS], Herrera-Campos, M.A. 10766 [CDS], Bungartz, F. 8392 [CDS], Bungartz, F. 8393 [CDS], Herrera-Campos, M.A. GAL-475 [CDS], Bungartz, F. 4466 [CDS], Spielmann, A.A. 8218 [CDS], Spielmann, A.A. 8224 [CDS], Bungartz, F. 9710 [CDS], Bungartz, F. 9945 [CDS], Yánez-Ayabaca, A. 1990 [CDS], Yánez-Ayabaca, A. 2025 [CDS], Bungartz, F. 9713 C [CDS], Ertz, D. 11974 [CDS], Ertz, D. 12010 [CDS], Herrera-Campos, M.A. 10767 [CDS], Yánez-Ayabaca, A. 2019 [CDS], Bungartz, F. 8940 [CDS], Bungartz, F. 8959 [CDS], Bungartz, F. 6225 [CDS], Bungartz, F. 6254 [CDS], Bungartz, F. 5656 [CDS], Truong, C. 1295 [CDS]

Lecanora cerebriformis Bungartz & Aptroot

endemic to Galapagos, Holotype: Bungartz 6633 [CDS 34853], source: Bungartz et al. (2020); Bungartz, F. 5215 [CDS], Bungartz, F. 6313 [CDS], Bungartz, F. 3654 [CDS], Bungartz, F. 5061 [CDS], Bungartz, F. 6568 [CDS], Bungartz, F. 6633 [CDS], Bungartz, F. 6650 [CDS], Bungartz, F. 6725 [CDS], Bungartz, F. 7134 [CDS], Clerc, P. 08-332 [CDS], Clerc, P. 08-398 [CDS], Bungartz, F. 8760 [CDS], Bungartz, F. 10192 [CDS], Yánez-Ayabaca, A. 2035 [CDS], Yánez-Ayabaca, A. 2122 [CDS], Aptroot, A. 64021 [CDS], Bungartz, F. 10260 [CDS], Ertz, D. 11882 [CDS]

Lecanora cerebrosorediata Aptroot & Bungartz

endemic to Galapagos, Holotype: Bungartz 6596 [CDS 34816], source: Bungartz et al. (2020); Aptroot, A. 63125 [CDS], Aptroot, A. 63284 [CDS], Bungartz, F. 5389 [CDS], Bungartz, F. 5410 [CDS], Bungartz, F. 5377 [CDS], Bungartz, F. 5212 [CDS], Bungartz, F. 5216 [CDS], Bungartz, F. 6492 [CDS], Bungartz, F. 6502 [CDS], Bungartz, F. 5752 [CDS], Bungartz, F. 6099 [CDS], Bungartz, F. 6294 [CDS], Aptroot, A. 64536 [CDS], Aptroot, A. 64099 [CDS], Aptroot, A. 64119 A [CDS], Aptroot, A. 64122 [CDS], Aptroot, A. 65006 [CDS], Bungartz, F. 6063 [CDS], Aptroot, A. 64011 [CDS], Bungartz, F. 3600 [CDS], Bungartz, F. 5357 [CDS], Aptroot, A. 64363 [CDS], Bungartz, F. 6596 [CDS], Bungartz, F. 6645 [CDS], Bungartz, F. 6651 [CDS], Bungartz, F. 6726 [CDS], Bungartz, F. 4794 [CDS], Bungartz, F. 4800 [CDS], Aptroot, A. 65719 [CDS], Aptroot, A. 65759 [CDS], Bungartz, F. 7026 [CDS], Ertz, D. 11604 [CDS], Bungartz, F. 7133 [CDS], Bungartz, F. 7238 [CDS], Bungartz, F. 7809 [CDS], Bungartz, F. 7959 [CDS], Clerc, P. 08-329 [CDS], Bungartz, F. 8465 [CDS], Bungartz, F. 4801 D [CDS], Bungartz, F. 8759 [CDS], Bungartz, F. 9005 [CDS], Bungartz, F. 10277 [CDS], Bungartz, F. 9876 B [CDS], Aptroot, A. 64447 [CDS], Ertz, D. 11778 [CDS], Bungartz, F. 9979 [CDS], Bungartz, F. 9873 [CDS], Bungartz, F. 9760 [CDS], Bungartz, F. 8931 [CDS], Jonitz, H. 25 B [CDS], Aptroot, A. 64123 [CDS], Bungartz, F. 6564 [CDS], Bungartz, F. 6724 [CDS], Bungartz, F. 7197 [CDS], Bungartz, F. 8691 [CDS], Bungartz, F. 8748 [CDS], Yánez-Ayabaca, A. 1656 [CDS], Yánez-Ayabaca, A. 1661 [CDS], Bungartz, F. 9002 [CDS], Bungartz, F. 9614 [CDS], Bungartz, F. 9966 [CDS], Bungartz, F. 10209 [CDS], Bungartz, F. 8980 B [CDS]

Lecanora chlarotera Nyl. v

[*Lecanora chlarotera f. crassula* (H. Magn.) Poelt, *Lecanora crassula* H. Magn., *Lecanora distincta var. chlarona* Ach., *Lecanora subfusca var. chlarona* (Ach.) Ach.]
source: Návas (1908; as *Lecanora subfusca* var. *chlarona*), Guderley (1999), Benítez et al. (2015, 2019), Benítez (2016), Chuquimarca et al. (2019); Benítez, A. 40 [HUTPL], Benítez, A. 242 [HUTPL], Lindström... 2459 [GB]

Lecanora confusoides Bungartz & Printzen

endemic to Galapagos, Holotype: Bungartz 8833 [CDS 45651], source: Bungartz et al. (2020); Bungartz, F. 8833 [CDS], Bungartz, F. 6044 [CDS], Bungartz, F. 5404 [CDS], Bungartz, F. 8874 [CDS], Bungartz, F. 6370 [CDS], Bungartz, F. 7207 [CDS], Bungartz, F. 7184 [CDS], Bungartz, F. 7206 A [CDS], Aptroot, A. 64808 [CDS], Bungartz, F. 6013 [CDS], Bungartz, F. 6481 [CDS], Bungartz, F. 6476 [CDS], Bungartz, F. 6340 [CDS], Nugra, F. 903 [CDS], Bungartz, F. 5658 [CDS], Bungartz, F. 9229 [CDS], Aptroot, A. 64916 [CDS], Truong, C. 1471 [CDS], Yánez-Ayabaca, A. 1565 [CDS], Bungartz, F. 7254 [CDS], Bungartz, F. 6390 [CDS], Aptroot, A. 65684 [CDS]

Lecanora darwiniana Bungartz & Elix

endemic to Galapagos, Holotype: Bungartz 4859 [CDS 29055], source: Bungartz et al. (2020); Bungartz, F. 4852 [CDS], Bungartz, F. 4859 [CDS], Aptroot, A. 65570 [CDS]

Lecanora flavidomarginata B. de Lesd. v

source: Guderley (1999), Cevallos (2012), Benítez et al. (2015), Benítez (2016); Benítez, A. 243 [HUTPL], Arvidsson... 5701 [GB]

Lecanora floridula Lumbsch v

source: Guderley (1999); Aptroot, A. 63741 [CDS], Aptroot, A. 63052 [CDS], Aptroot, A. 63255 [CDS], Aptroot, A. 63807 [CDS], Aptroot, A. 64786 [CDS], Bungartz, F. 3937 [CDS], Bungartz, F. 3556 [CDS], Bungartz, F. 3557 [CDS], Bungartz, F. 3324 [CDS], Bungartz, F. 6387 [CDS], Bungartz, F. 4990 [CDS], Aptroot, A. 65414 [CDS], Bungartz, F. 4425 [CDS], Bungartz, F. 4427 [CDS], Bungartz, F. 4428 [CDS], Bungartz, F. 4430 [CDS], Bungartz, F. 4431 [CDS], Aptroot, A. 64915 [CDS], Bungartz, F. 6474 [CDS], Bungartz, F. 4401 [CDS], Bungartz, F. 7072 [CDS], Bungartz, F. 7077 [CDS], Bungartz, F. 7853 [CDS], Jaramillo, P. 2876 A [CDS], Clerc, P. 08-05 [CDS], Clerc, P. 08-10 [CDS], Clerc, P. 08-383 [CDS], Bungartz, F. 8411 [CDS], Bungartz, F. 8616 [CDS], Bungartz, F. 8652 [CDS], Bungartz, F. 8656 [CDS], Bungartz, F. 8662 [CDS], Bungartz, F. 8694 [CDS], Hillmann, G. GAL-110 [CDS], Bungartz, F. 9046 [CDS], Bungartz, F. 9751 [CDS], Yánez-Ayabaca, A. 1795 [CDS], Aptroot, A. 64086 [CDS], Bungartz, F. 9799 [CDS], Bungartz, F. 9699 [CDS], Bungartz, F. 9412 [CDS], Aptroot, A. 65091 [CDS], Bungartz, F. 6261 [CDS], Bungartz, F. 8927 [CDS], Yánez-Ayabaca, A. 1794 [CDS], Herrera-Campos, M.A. GAL-493 [CDS], Herrera-Campos, M.A. GAL-483 [CDS]

Lecanora fulvastra Kremp. v

K. Kalb 18460 [WIS], Arvidsson... 1183 [GB]

Lecanora galactiniza Nyl.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2020); Aptroot, A. 64002 [CDS], Aptroot, A. 64950 [CDS], Bungartz, F. 4961 [CDS], Aptroot, A. 65267 [CDS], Bungartz, F. 4870 [CDS], Aptroot, A. 65472 [CDS], Bungartz, F. 6715 [CDS], Bungartz, F. 4706 [CDS], Bungartz, F. 6951 [CDS], Bungartz, F. 6956 [CDS], Ertz, D. 11874 [CDS], Bungartz, F. 7812 [CDS], Bungartz, F. 7884 [CDS], Jaramillo, P. 2890 [CDS], Herrera-Campos, M.A. 10744 [CDS], Bungartz, F. 8434 [CDS], Bungartz, F. 10148 [CDS], Aptroot, A. 63955 [CDS], Bungartz, F. 4758 [CDS], Bungartz, F. 5207 [CDS]

Lecanora helva Stizenb. v

[*Lecanora albellaria* Müll.Arg., *Lecanora alligata* Stirt.]
source: Benítez et al. (2015, 2019), Benítez (2016), Chuquimarca et al. (2019), van den Boom et al. (2022); Benítez, A. 41 [HUTPL], Benítez, A. 244 [HUTPL], Benítez, A. 245 [HUTPL], Benítez, A. 246 [HUTPL]

Lecanora kalbii Bungartz & Elix

endemic to Galapagos, Holotype: Bungartz 6432 [CDS 34647], source: Bungartz et al. (2020); Bungartz, F. 6432 [CDS]

Lecanora legalloana Elix & Øvstedal

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2020); Bungartz, F. 6435 [CDS], Aptroot, A. 64548 [CDS], Bungartz, F. 3664 [CDS], Bungartz, F. 5739 [CDS], Aptroot, A. 63695 [CDS], Bungartz, F. 5952 [CDS], Bungartz, F. 6728 [CDS], Aptroot, A. 65735 [CDS], Bungartz, F. 4772 [CDS], Bungartz, F. 6954 [CDS], Bungartz, F. 6962 [CDS], Nugra, F. 613 [CDS], Truong, C. 1515 [CDS], Clerc, P. 08-300 [CDS], Bungartz, F. 8646 [CDS], Bungartz, F. 5639 [CDS], Bungartz, F. 4876 [CDS], Nugra, F. 901 [CDS], Bungartz, F. 8840 [CDS], Bungartz, F. 9353 [CDS], Bungartz, F. 9971 [CDS], Bungartz, F. 9996 [CDS], Bungartz, F. 10000 [CDS], Bungartz, F. 10147 [CDS], Bungartz, F. 10264 [CDS], Bungartz, F. 9457 [CDS], Bungartz, F. 9429 [CDS], Herrera-Campos, M.A. GAL-489 [CDS], Yánez-Ayabaca, A. 1872 [CDS], Bungartz, F. 9366 [CDS], Bungartz, F. 9579 [CDS], Bungartz, F. 4823 [CDS], Bungartz, F. 9999 [CDS], Aptroot, A. 64088 [CDS], Yánez-Ayabaca, A. 1758 [CDS]

Lecanora leproplaca Zahlbr. v

source: van den Boom et al. (2022)

Lecanora leprosa Fée v

source: Elix & McCarthy (1998), Guderley (1999), Weber (1986), Bungartz et al. (2020); K. Kalb 18464 [WIS], Bungartz, F. 3387 [CDS], Bungartz, F. 3394 [CDS], Aptroot, A. 64778 [CDS], Aptroot, A. 63954 [CDS], Bungartz, F. 6319 [CDS], Bungartz, F. 6039 [CDS], Bungartz, F. 4435 [CDS], Bungartz, F. 4441 [CDS], Bungartz, F. 6346 [CDS], Bungartz, F. 4374 [CDS], Bungartz, F. 7053 [CDS], Bungartz, F. 7203 [CDS], Bungartz, F. 7688 [CDS], Bungartz, F. 7938 [CDS], Jaramillo, P. 3046 A [CDS], Bungartz, F. 9067 [CDS], Yánez-Ayabaca, A. 1975 [CDS], Bungartz, F. 9744 C [CDS], Kricke, R. s.n. [CDS], Kricke, R. s.n. [CDS], Bungartz, F. 10485 [CDS], Yánez-Ayabaca, A. 1601 [CDS], Bungartz, F. 8891 [CDS], Yánez-Ayabaca, A. 1554 [CDS], Yánez-Ayabaca, A. 2043 [CDS], Bungartz, F. 8877 [CDS], Bungartz, F. 10486 [CDS], Yánez-Ayabaca, A. 2039 [CDS], Bungartz, F. 6767 [CDS], Bungartz, F. 8476 [CDS], Bungartz, F. 8866 [CDS], Jaramillo, P. 3004 A [CDS]

Lecanora malagae Bungartz & Elix

endemic to Galapagos, Holotype: Bungartz 10352 [CDS 52326], source: Bungartz et al. (2020); Aptroot, A. 65295 [CDS], Bungartz, F. 4130 [CDS], Bungartz, F. 10352 [CDS], Bungartz, F. 10351 [CDS], Bungartz, F. 9431 [CDS]

Lecanora neonashii Lumbsch v

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 247 [HUTPL]

Lecanora ombligulata Kalb, Bungartz & Elix

endemic to Galapagos, Holotype: Bungartz 7008 [CDS 36515], source: Bungartz et al. (2020); Bungartz, F. 5249 [CDS], Bungartz, F. 7008 [CDS], Bungartz, F. 8171 [CDS], Bungartz, F. 7420 C [CDS]

Lecanora oreinoides (Körb.) Hertel & Rambold

[*Aspicilia oreinoides* Körb., *Carbonea oreinoides* (Körb.) Brusse, *Lecidea angolensis* Müll.Arg., *Lecidea angolensis var. angolensis* Müll.Arg., *Lecidea angolensis var. orientalis* J. Steiner, *Lecidea angolensis var. riograndensis* Malme, *Lecidea angolensis var. vegetior* Zahlbr., *Lecidea lactea f. oreinoides* (Körb.) Nyl., *Lecidea mundula* Müll.Arg., *Lecidea oreinoides* (Körb.) Hochst, *Lecidea pantherina f. oreinoides* (Körb.) Zahlbr., *Lecidea tennessensis* Nyl.]

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Elix & McCarthy (1998), Weber (1986), Bungartz et al. (2020); Bungartz, F. 6297 [CDS], Bungartz, F. 6781 [CDS], Bungartz, F. 6789 [CDS], Bungartz, F. 7271 [CDS], Bungartz, F. 9856 [CDS], Bungartz, F. 10380 [CDS], Weber, W.A. s.n. [CDS], Bungartz, F. 3568 [CDS], Bungartz, F. 9964 [CDS], Bungartz, F. 10211 [CDS], Bungartz, F. 10205 [CDS]

Lecanora praeferenda (Nyl.) Nyl. v

[*Lecanora albella var. praeferenda* Nyl., *Lecanora subfusca var. praeferenda* (Nyl.) Stizenb.]

source: Guderley (1999), Cevallos Solórzano (2012); K. Kalb 18286 [WIS], K. Kalb 19479 [WIS], K. Kalb 19115 [WIS]

Lecanora prosecha Ach.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2020); Bungartz, F. 5633 [CDS], Bungartz, F. 9509 [CDS], Bungartz, F. 6563 [CDS], Bungartz, F. 6636 [CDS]

Lecanora pseudopinguis W.A. Weber

endemic to Galapagos, Type: Ecuador. Galápagos: Isla Santa Cruz, just E of Darwin Station, Academy Bay, exposed point, just above high tide mark, on rock, 10-Apr-1967, Weber, W.A. & Lanier, J. s.n. [COLO 297761 (L-63675) – holotype!; further isotypes also distributed as Weber, Lich. Exs. [Boulder (Colorado)] no. 500], source: Weber (1981, 1986), Elix & McCarthy (1998), Bungartz et al. (2020); Weber, W.A. s.n. [CDS], Aptroot, A. 63101 [CDS], Aptroot, A. 63423 [CDS], Aptroot, A. 63263 [CDS], Aptroot, A. 64811 [CDS], Bungartz, F. 5153 [CDS], Bungartz, F. 5154 [CDS], Bungartz, F. 5388 [CDS], Bungartz, F. 5194 [CDS], Bungartz, F. 6499 [CDS], Bungartz, F. 6501 [CDS], Bungartz, F. 6504 [CDS], Bungartz, F. 6078 [CDS], Bungartz, F. 3401 [CDS], Bungartz, F. 6291 [CDS], Bungartz, F. 3554 [CDS], Aptroot, A. 64121 [CDS], Aptroot, A. 64125 [CDS], Aptroot, A. 65103 [CDS], Aptroot, A. 65009 A [CDS], Bungartz, F. 3653 [CDS], Aptroot, A. 64032 [CDS], Bungartz, F. 3609 [CDS], Bungartz, F. 5053 [CDS], Bungartz, F. 3444 [CDS], Aptroot, A. 65408 [CDS], Bungartz, F. 6427 [CDS], Bungartz, F. 4821 [CDS], Bungartz, F. 6378 [CDS], Aptroot, A. 64980 [CDS], Bungartz, F. 5295 [CDS], Bungartz, F. 4864 [CDS], Bungartz, F. 6631 [CDS], Bungartz, F. 5278 [CDS], Bungartz, F. 5988 [CDS], Bungartz, F. 3833 [CDS], Bungartz, F. 5978 [CDS], Bungartz, F. 6690 [CDS], Bungartz, F. 6701 [CDS], Bungartz, F. 4780 [CDS], Aptroot, A. 64452 [CDS], Aptroot, A. 64453 A [CDS], Bungartz, F. 6888 [CDS], Bungartz, F. 6933 [CDS], Bungartz, F. 7009 [CDS], Nugra, F. 484 A [CDS], Ertz, D. 11785 [CDS], Bungartz, F. 7219 [CDS], Bungartz, F. 7242 [CDS], Bungartz, F. 7249 [CDS], Bungartz, F. 7278 [CDS], Bungartz, F. 7330 [CDS], Bungartz, F. 7423 [CDS], Bungartz, F. 7596 [CDS], Bungartz, F. 7772 [CDS], Bungartz, F. 7795 [CDS], Bungartz, F. 7967 [CDS], Jaramillo, P. 2887 B [CDS], Ertz, D. 11792 A [CDS], Truong, C. 1540 [CDS], Clerc, P. 08-39 [CDS], Clerc, P. 08-265 [CDS], Herrera-Campos, M.A. 10773 [CDS], Tehler, A. 8690 [CDS], Bungartz, F. 8163 [CDS], Bungartz, F. 8456 [CDS], Herrera-Campos, M.A. GAL-407 A [CDS], Herrera-Campos, M.A. GAL-421 [CDS], Bungartz, F. 8761 [CDS], Spielmann, A.A. 8214 [CDS], Yánez-Ayabaca, A. 1580 A [CDS], Yánez-Ayabaca, A. 1654 [CDS], Yánez-Ayabaca, A. 1709 [CDS], Bungartz, F. 8798 [CDS], Bungartz, F. 8806 [CDS], Bungartz, F. 8933 [CDS], Bungartz, F. 8980 A [CDS], Bungartz, F. 9101 [CDS], Bungartz, F. 9108 [CDS], Bungartz, F. 9119 [CDS], Bungartz, F. 9238 [CDS], Bungartz, F. 9827 [CDS], Yánez-Ayabaca, A. 1919 [CDS], Yánez-Ayabaca, A. 2136 [CDS], Bungartz, F. 9750 [CDS], Bungartz, F. 9868 [CDS], Bungartz, F. 9548 [CDS], Bungartz, F. 6097 [CDS], Nugra, F. 884 [CDS], Jonitz, H. 26 [CDS], Bungartz, F. 9876 A [CDS], Bungartz, F. 4799 [CDS], Bungartz, F. 7800 [CDS], Bungartz, F. 4622 [CDS], Bungartz, F. 8839 [CDS], Bungartz, F. 9177 [CDS], Bungartz, F. 8847 [CDS], Jonitz, H. 25 A [CDS], Bungartz, F. 5392 [CDS], Arturo, X. s.n. [CDS], Yánez-Ayabaca, A. 1503 [CDS]

Lecanora pyrrhosporoides Bungartz, Elix & Printzen

endemic to Galapagos, Holotype: Aptroot 64140 [CDS 30703]; originally erroneously reported by Bungartz et al. (2013c) as *Phyrrospora quernea*, source: Bungartz et al. (2013c), Bungartz et al. (2020); Aptroot, A. 64117 [CDS], Bungartz, F. 9124 [CDS], Bungartz, F. 8225 [CDS], Bungartz, F. 7354 [CDS], Aptroot, A. 63062 [CDS], Yánez-Ayabaca, A. 1602 [CDS], Jonitz, H. 48 B [CDS], Bungartz, F. 9091 [CDS], Aptroot, A. 64140 [CDS], Aptroot, A. 65589 [CDS], Bungartz, F. 4359 [CDS], Bungartz, F. 4375 [CDS]

Lecanora schindleri Guderley

endemic to Galapagos, Type: Ecuador: Galápagos: Isla Floreana. just N of Black Beach, lava flow near the shore, on bark of *Bursera*, 24-Apr-1976, Weber, W.A. s.n. & Lanier, J. (COLO 294539, L-62983 – holotype!), source: Guderley (1999), Bungartz et al. (2020); Aptroot, A. 64788 [CDS], Bungartz, F. 6323 [CDS], Aptroot, A. 63965 B [CDS], Bungartz, F. 4484 [CDS], Bungartz, F. 4075 [CDS], Bungartz, F. 6272 [CDS], Bungartz, F. 4412 [CDS], Bungartz, F. 4936 [CDS], Aptroot, A. 65422 [CDS], Bungartz, F. 4668 [CDS], Bungartz, F. 4887 [CDS], Ertz, D. 11999 [CDS], Bungartz, F. 7501 [CDS], Bungartz, F. 7573 [CDS], Bungartz, F. 7574 [CDS], Bungartz, F. 7674 [CDS], Bungartz, F. 7694 [CDS], Bungartz, F. 7833 [CDS], Bungartz, F. 7846 [CDS], Bungartz, F. 7847 [CDS], Bungartz, F. 7850 [CDS], Bungartz, F. 7940 [CDS], Bungartz, F. 7398 B [CDS], Bungartz, F. 3909 [CDS]

Lecanora strobilina (Sprengel) Kieffer v

[*Lecanora conizaea f. strobilina* (Spreng.) H. Olivier, *Lecanora conizaea var. strobilina* (Spreng.) Flagey, *Lecanora strobilina* Ach., *Lecanora strobilina* Ach. nom. illegit., *Lecanora symmicta f. strobilina* (Spreng.) H. Olivier, *Lecanora varia f. strobilina* (Spreng.) Flagey, *Lecanora varia var. strobilina* (Spreng.) Th. Fr., *Parmelia strobilina* Spreng.]

source: Bungartz et al. (2020), van den Boom et al. (2022); Bungartz, F. 8198 [CDS], Nugra, F. 124 [CDS], Aptroot, A. 64809 [CDS], Bungartz, F. 7494 [CDS], Bungartz, F. 5045 [CDS], Bungartz, F. 4572 [CDS], Bungartz, F. 7770 [CDS], Bungartz, F. 7466 [CDS], Truong, C. 1233 [CDS], Bungartz, F. 7859 [CDS], Bungartz, F. 7728 [CDS], Aptroot, A. 65420 [CDS], Bungartz, F. 7816 [CDS], Bungartz, F. 8201 [CDS]

Lecanora subalbellina Vain. v

in Guderley (1999) erroneoulsy cited from the Galapagos, but the specimens were collected in Cotopaxi National Park (hb. Kricke), source: Guderley (1999), van den Boom et al. (2022)

Lecanora subaureoides Aptroot & Bungartz

endemic to Galapagos, Holotype: Aptroot 65158 [CDS 31741], source: Bungartz et al. (2020); Herrera-Campos, M.A. GAL-408 [CDS], Aptroot, A. 65246 [CDS], Aptroot, A. 64792 [CDS], Aptroot, A. 65158 [CDS], Aptroot, A. 65751 [CDS], Bungartz, F. 8730 [CDS]

Lecanora subcrenulata Müll.Arg.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2020); Bungartz, F. 7617 [CDS]

Lecanora subimmergens Vain.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2020); Bungartz, F. 7600 [CDS], Aptroot, A. 64893 [CDS], Aptroot, A. 65154 [CDS]

Lecanora subimmersa (Fée) Vain.

[*Aspicilia subimmersa* (Fée) Hue, *Aspicilia subimmersa subsp. subimmersa* (Fée) Hue, *Lecanora laevissima* C. Knight, *Lecidea leioplaca* Müll.Arg., *Lecidea subimmersa* Fée, *Lecidea wilsonii* Räsänen]

Lecanora subimmersa subsp. ramboldii Lumbsch & Elix

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Guderley (1999), Bungartz et al. (2020); Bungartz, F. 6311 [CDS], Bungartz, F. 8451 [CDS], Nugra, F. 904 [CDS]

Lecanora subimmersa subsp. subimmersa (Fée) Vain. v

source: Guderley (1999), Bungartz et al. (2020); Bungartz, F. 5229 [CDS], Nugra, F. 558 [CDS]

Lecanora subravida Nyl. v

source: van den Boom et al. (2022; as *Lecanora* aff. *subravida*)

Lecanora substrobilina Printzen

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2020); Bungartz, F. 7343 [CDS]

Lecanora sulfurescens Fée v

[*Lecanora sulphurescens* Fée]

source: Elix & McCarthy (1998), Guderley (1999), Weber (1986), Bungartz et al. (2020); Aptroot, A. 63093 [CDS], Aptroot, A. 63709 [CDS]

Lecanora terpenoidea Bungartz & Elix

endemic to Galapagos, Holotype: Aptroot 65410 [CDS 31996], source: Bungartz et al. (2020); Aptroot, A. 65410 [CDS], Aptroot, A. 65401 [CDS], Bungartz, F. 4860 [CDS], Aptroot, A. 65588 [CDS]

Lecanora tropica Zahlbr. v

source: Guderley (1999), Bungartz et al. (2020), van den Boom et al. (2022); K. Kalb 19425 [WIS], K. Kalb 18285 [WIS], K. Kalb 19406 [WIS], K. Kalb 18287 [WIS], Aptroot, A. 64777 [CDS], Bungartz, F. 6325 [CDS], Bungartz, F. 3560 [CDS], Aptroot, A. 63964 [CDS], Aptroot, A. 64485 [CDS], Bungartz, F. 6274 [CDS], Bungartz, F. 4372 [CDS], Bungartz, F. 4928 [CDS], Bungartz, F. 4929 [CDS], Bungartz, F. 6482 [CDS], Bungartz, F. 6520 [CDS], Bungartz, F. 6940 [CDS], Bungartz, F. 7192 [CDS], Bungartz, F. 7380 [CDS], Herrera-Campos, M.A. 10754 [CDS], Bungartz, F. 8398 [CDS], Bungartz, F. 8425 [CDS], Bungartz, F. 9540 [CDS], Bungartz, F. 10530 [CDS], Yánez-Ayabaca, A. 1688 [CDS], Bungartz, F. 7675 [CDS]

Lecanora varia (Hoffm.) Ach. v

[*Lecanora varia var. denigrata* Mudd, *Patellaria varia* Hoffm.]
source: Benítez et al. (2015), Benítez (2016); Benítez, A. 248 [HUTPL], Etayo, J. 25851 [hb. Etayo]

Lecidea

Lecidea andina Zahlbr. v

problematic, name not resolved; Type: Ecuador. Chimborazo: Auf abgestorbenen Moospolstern, bei 5300 m Seehöhe [Nr. 400; W – ?holotype, according to Zahlbruckner (1905, p. 76)], source: Zahlbruckner (1905, 1907; as *Lecidea* [sect. *Eulecidia*] *andina*)

Lecidea auriculata Th. Fr.

[*Lecidea confoederans* Nyl., *Lecidea phylliscocarpa* Nyl.]

Lecidea auriculata subsp. brachyspora Th. Fr. v

[*Lecidea auriculata var. brachyspora* (Th. Fr.) Lettau, *Lecidea brachyspora* Th. Fr. nom. illegit [non. Müll. Arg.]]
parasitized by *Muellerella erratica*, source: Etayo (2017; as *Lecidea brachyspora*, an illegitimate name preceded by *Lecidea brachyspora* Müll. Arg. (= *Karschia brachyspora*))

Lecidea fuscoatra (L.) Ach. v

[*Biatora fumosa* (Hoffm.) Hepp, *Biatora livescens* (Leight.) Walt. Watson, *Lecidea cechumena* Ach., *Lecidea cechumena var. cechumena* Ach., *Lecidea fumosa* (Hoffm.) Ach., *Lecidea fumosa f. fumosa* (Hoffm.) Ach., *Lecidea fumosa f. symphicarpea* Hazsl., *Lecidea fumosa var. deusta*, *Lecidea fumosa var. fumosa* (Hoffm.) Ach., *Lecidea fumosa var. mosigii* Ach., *Lecidea fumosa var. nitida* Schaer., *Lecidea fumosa var. ocellulata* Schaer., *Lecidea fumosa var. polygonia* Flot., *Lecidea fuscoatra f. mosigii* (Ach.) Nyl., *Lecidea fuscoatra var. fuscoatra* (L.) Ach., *Lecidea livescens* Leight., *Lecidea prostratula* Stirt., *Lichen cechumenus* (Ach.) Sm., *Lichen cechumenus var. cechumenus* (Ach.) Sm., *Lichen fuscoater* L., *Patellaria fumosa* (Hoffm.) Hoffm., *Patellaria fuscoatra* (L.) DC., *Placodium fumosum* (Hoffm.) Link, *Psora fumosa* (Hoffm.) A. Massal., *Psora fumosa var. fumosa* (Hoffm.) A. Massal., *Psora fumosa var. turgida* Anzi, *Psora prostratula* (Stirt.) Walt. Watson, *Verrucaria fumosa* Hoffm.]
Aptroot, A. 63668 [CDS]

Lecidea polytropoides Zahlbr. v

problematic, name not resolved; Type: Ecuador. Chimborazo: Auf humöser Erde und über abgestorbenen Moosen, bei 5300 m Seehöhe [Nr. 316, 317, 403, 405; W – syntypes, according to Zahlbruckner (1905, p. 75), needs lectotypification], source: Zahlbruckner (1905, 1907; as *Lecidea* [sect. *Biatora*] *polytropoides*)

Lecidella

Lecidella achristotera (Nyl.) Hertel & Leuckert v

[*Lecidea achristotera* Nyl.]
source: van den Boom et al. (2022)

Lecidella asema (Nyl.) Körb.

[*Lecidea alienata* Nyl., *Lecidea asema* Nyl., *Lecidea catalinaria* Stizenb., *Lecidea effugiens* Nilson, *Lecidea elaeochromoides* (Nyl.) Flagey, *Lecidea parasema var. elaeochromoides* Nyl., *Lecidea polyantha* Taylor ex Leight., *Lecidea subincongrua* Nyl., *Lecidea subincongrua f. elaeochromoides* (Nyl.) H. Magn., *Lecidea subincongrua f. subincongrua* Nyl., *Lecidea subincongrua var. elaeochromoides* (Nyl.) Poelt, *Lecidea subincongrua var. subincongrua* Nyl., *Lecidea vulgata f. effugiens* (Nilson) Zahlbr., *Lecidella asema var. elaeochromoides* (Nyl.) Nimis & Tretiach, *Lecidella elaeochromoides* (Nyl.) Knoph & Hertel, *Lecidella polyantha* Taylor ex Leight., *Lecidella subincongrua var. elaeochromoides* (Nyl.) Hertel & Leuckert, *Lithographa larbalestieri* Leight.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 3563 [CDS], Bungartz, F. 4059 [CDS], Bungartz, F. 3579 [CDS], Bungartz, F. 3564 [CDS], Bungartz, F. 4873 [CDS], Aptroot, A. 65671 B [CDS]

Lecidella punctuliformis (Nyl.) Kalb v

[*Lecidea punctuliformis* Nyl., *Lecidea punctuliformis var. punctuliformis* Nyl.]
K. Kalb 19665 [WIS], K. Kalb 19654 [WIS], K. Kalb 19656 [WIS], K. Kalb 19664 [WIS], K. Kalb 19669 [WIS], K. Kalb 19655 [WIS], K. Kalb 19666 [WIS], K. Kalb 19667 [WIS]

Lecidella scabra (Taylor) Hertel & Leuckert

[*Lecidea enterochlora* Taylor, *Lecidea parasema var. prasinula* Wedd., *Lecidea prasinula* (Wedd.) B. de Lesd., *Lecidea prasinula f. major* B. de Lesd., *Lecidea prasinula f. prasinula* (Wedd.) B. de Lesd., *Lecidea scabra* Taylor, *Lecidea scabra f. scabra* Taylor, *Lecidella prasinula* (Wedd.) Hertel 1980]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 4171 [CDS]

Lecidopyrenopsis

Lecidopyrenopsis corticola Vain.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 6848 [CDS], Bungartz, F. 8155 [CDS], Bungartz, F. 5843 [CDS]

Leightoniomyces

Leightoniomyces phillipsii (Berk. & Leighton) D. Hawksw. & B. Sutton v

[*Cephalotrichum phillipsii* (Berk. & Leight.) S. Hughes, *Doratomyces phillipsii* (Berk. & Leight.) F.J. Morton & G. Sm., *Periconia phillipsii* Berk. & Leight., *Sporocybe phillipsii* (Berk. & Leight.) Sacc., *Stysanus phillipsii* (Berk. & Leight.) E.W. Mason & M.B. Ellis]
* = lichenicolous fungi (parasites on living lichens); on soil with algae, source: Etayo (2017)

Leioderma

Leioderma glabrum D.J. Galloway & P.M. Jørg. v

source: Jørgensen & Arvidsson(2004), Nöske & Sipman (2004), Benítez et al. (2012, 2015); Z. Palice 3806 dupl. [BG], Benítez, A. 250 [HUTPL]

Leioderma sorediatum D. J. Galloway & P.M. Jørg. v

source: Jørgensen & Arvidsson(2004), Nöske & Sipman (2004)

Leioderma spongiosum P.M. Jørg. & Arv. v

Holotype GB, Arvidsson & Nilsson 1896, source: Jørgensen and Arvidsson (2004); Arvidsson, L.; Nilson, D. 1896 [GB]

Leiorreuma

Leiorreuma exaltatum (Mont. & v.d. Bosch) Staiger v

[*Graphis diversa* Nyl., *Phaeographis exaltata* (Mont. & v. d. Bosch) Müll.Arg.]
source: Benítez et al. (2015), Benítez (2016); Benítez, A. 251 [HUTPL]

Leiorreuma hypomelaenum (Müll. Arg.) Staiger

[*Phaeographis hypomelaena* Müll.Arg.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 5530 A [CDS]

Leiorreuma patellulum (Fée) Staiger v

[*Arthonia patellula* Fée, *Graphis patellula* (Fée) Nyl., *Lecanactis patellula* (Fée) Nyl., *Phaeographis patellula* (Fée) Müll.Arg.]
source: Staiger (2002), Cevallos Solórzano (2012)

Leiorreuma sericeum (Eschw.) Staiger v

[*Glyphis sericea* (Eschw.) Nyl., *Graphis sericea* (Eschw.) Nyl., *Lecanactis sericea* (Eschw.) Kremp., *Lecanactis sericea var. sericea* (Eschw.) Kremp., *Leiogramma sericeum* Eschw., *Phaeographis sericea* (Eschw.) Müll. Arg., *Phaeographis sericea var. sericea* (Eschw.) Müll. Arg.]
source: Bungartz et al. (2009), van den Boom et al. (2022); Aptroot, A. 63755 [CDS], Bungartz, F. 3904 [CDS], Aptroot, A. 64582 [CDS], Aptroot, A. 64587 [CDS], Bungartz, F. 4946 [CDS], Aptroot, A. 64911 [CDS], Aptroot, A. 65435 C [CDS], Bungartz, F. 5921 [CDS], Bungartz, F. 5940 [CDS], Bungartz, F. 7001 [CDS], Ertz, D. 11583 [CDS], Bungartz, F. 7112 [CDS], Bungartz, F. 7883 [CDS], Nugra, F. 581 [CDS], Bungartz, F. 8467 [CDS]

Lempholemma

Lempholemma intricatum (Arnold) Zahlbr. v

[*Lecidea fennica* Räsänen, *Leciophysma fennicum* Räsänen, *Omphalaria intricata* Arnold, *Physma intricatum* (Arnold) J. Steiner, *Synalissa intricata* (Arnold) Nyl., *Synalissina intricata* (Arnold) Nyl.]
source: Jørgensen and Palice (2015)

Lepidocollema

Lepidocollema imbricatulum (Müll. Arg.) P.M. Jørg. v

[*Pannaria imbricatula* Müll.Arg., *Parmeliella imbricatula* (Müll. Arg.) P.M. Jørg.]
source: Jørgensen & Arvidsson (2004), Cevallos Solórzano (2012)

Lepidocollema marianum (Fr.) P.M. Jørg. v

[*Pannaria mariana* (Fr.) Müll.Arg., *Pannaria mariana f. isidioidea* Müll.Arg., *Pannaria mariana f. mariana* (Fr.) Müll.Arg., *Pannaria mariana f. pulvinata* (C.W. Dodge) Zahlbr., *Pannaria mariana var. accolens* (Stirt.) Zahlbr., *Pannaria mariana var. curta* Räsänen, *Pannaria mariana var. isidioidea* Müll.Arg., *Pannaria mariana var. mariana* (Fr.) Müll.Arg., *Pannaria mariana var. radiata* (Nyl.) Vain., *Pannaria pannosa f. isidiophora* Tuck., *Pannaria pannosa f. pannosa* Nyl., *Pannaria pannosa var. accolens* Stirt., *Pannaria pannosa var. biatorina* Tuck., *Pannaria pannosa var. pannosa* Nyl., *Parmelia mariana* Fr., *Parmeliella mariana* (Fr.) P.M. Jørg. & D. J. Galloway, *Parmeliella mariana f. mariana* (Fr.) P.M. Jørg. & D.J. Galloway]
source: Jørgensen & Arvidsson (2004), Cevallos Solórzano (2012; as *Parmeliella mariana*); COLO-L-0083414 [COLO]

Lepidocollema stylophorum (Vain.) P.M. Jørg.

[*Pannaria stylophora* Vain., *Parmeliella stylophora* (Vain.) P.M. Jørg.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Ertz, D. 11906 A [CDS], Bungartz, F. 7641 [CDS], Bungartz, F. 8004 [CDS], Bungartz, F. 7653 [CDS], Bungartz, F. 7654 [CDS]

Lepra

Lepra commutata (Mull.Arg) Lendemer & R.C.Harris v

[*Pertusaria commutata* Müll.Arg., *Pertusaria copiosa* Erichsen, *Variolaria commutata* (Müll. Arg.) Lendemer, R.C. Harris & A.M. Ruiz nom. inval.]
source: Bungartz et al. (2015), van den Boom et al. (2022); Bungartz, F. 3958 [CDS], Bungartz, F. 3911 [CDS], Bungartz, F. 3641 [CDS], Bungartz, F. 4048 [CDS], Bungartz, F. 5032 [CDS], Bungartz, F. 4328 [CDS], Bungartz, F. 4944 [CDS], Bungartz, F. 4104 [CDS], Bungartz, F. 5878 [CDS], Bungartz, F. 4225 [CDS], Bungartz, F. 4656 [CDS], Aptroot, A. 65457 [CDS], Bungartz, F. 4828 [CDS], Bungartz, F. 3574 [CDS], Nugra, F. 6 [CDS], Ertz, D. 11864 [CDS], Bungartz, F. 7098 [CDS], Bungartz, F. 7110 [CDS], Bungartz, F. 7502 [CDS], Bungartz, F. 7530 [CDS], Bungartz, F. 7561 [CDS], Bungartz, F. 7637 [CDS], Herrera-Campos, M.A. 10673 [CDS], Bungartz, F. 8671 [CDS], Hillmann, G. GAL-34 [CDS], Hillmann, G. GAL-125 [CDS], Bungartz, F. 9302 [CDS], Bungartz, F. 9339 [CDS], Bungartz, F. 9346 [CDS], Bungartz, F. 9626 [CDS], Bungartz, F. 9940 [CDS], Bungartz, F. 9949 [CDS], Bungartz, F. 10012 [CDS], Yánez-Ayabaca, A. 1746 [CDS], Yánez-Ayabaca, A. 2094 [CDS], Bungartz, F. 10128 [CDS], Bungartz, F. 9335 [CDS], Bungartz, F. 3695 [CDS], Bungartz, F. 3329 [CDS], Aptroot, A. 64233 [CDS], Aptroot, A. 64555 [CDS], Aptroot, A. 63401 [CDS], Aptroot, A. 63097 [CDS], Bungartz, F. 9503 [CDS], Bungartz, F. 9563 [CDS]

Lepra erythrella (Müll. Arg.) I. Schmitt, B.G. Hodk. & Lumbsch v

[*Marfloraea erythrella* (Müll. Arg.) S.Y. Kondr., Lőkös & Hur, *Pertusaria erythrella* Müll.Arg.]
source: Bungartz et al. (2015), van den Boom et al. (2022); Ertz, D. 11856 [CDS]

Lepra excludens (Nyl.) Hafellner v

[*Collema excludens* (Nyl.) Räsänen, *Marfloraea excludens* (Nyl.) S.Y. Kondr., Lőkös & Hur, *Pertusaria ceuthocarpa* Fr., *Pertusaria ceuthocarpa f. ceuthocarpa* Fr., *Pertusaria ceuthocarpa var. ceuthocarpa* Fr., *Pertusaria ceuthocarpoides* Zahlbr., *Pertusaria ceuthocarpoides var. ceuthocarpoides* Zahlbr., *Pertusaria dealbata var. excludens* (Nyl.) Boistel, *Pertusaria excludens* Nyl., *Pertusaria microsticta* (Sm. & Sow.) Erichsen]
source: Benítez et al. (2015); R. C. Harris 16931 [NY], R. C. Harris 17678 [NY], Benítez, A. 328 [HUTPL]

Lepra gedehana (Zahlbr.) Sipman v

[*Pertusaria gedehana* Zahlbr.]
source: van den Boom et al. (2022)

Lepra hypothamnolica (Dibben) Lendemer & R.C.Harris v

[*Pertusaria hypothamnolica* Dibben]
source: Benítez et al. (2015), Benítez (2016); Benítez, A. 329 [HUTPL], Benítez, A. 330 [HUTPL], Benítez, A. 331 [HUTPL], Benítez, A. 332 [HUTPL]

Lepra leucosorodes (Nyl.) I. Schmitt, B.G. Hodk. & Lumbsch

[*Pertusaria leucosorodes* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2015); Bungartz, F. 4736 [CDS], Bungartz, F. 7439 [CDS], Bungartz, F. 4069 [CDS], Aptroot, A. 65035 [CDS], Bungartz, F. 3287 [CDS], Bungartz, F. 8265 [CDS], Bungartz, F. 8543 [CDS], Clerc, P. 08-325 [CDS]

Lepra multipunctoides (Dibben) Lendemer & R.C. Harris v

[*Pertusaria multipunctoides* Dibben, *Variolaria multipunctoides* (Dibben) Lendemer, Hodk. & R.C. Harris]
source: Benítez et al. (2015), Benítez (2016); Benítez, A. 333 [HUTPL], Benítez, A. 334 [HUTPL]

Lepra oahuensis H. Magn. ex Bungartz, Archer & Elix

[*Lepra oahuensis* H. Magn. ex A.W. Archer & Elix nom. inval., *Pertusaria oahuensis* H. Magn. nom. inval.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2015); Bungartz, F. 5849 [CDS], Bungartz, F. 8176 [CDS], Aptroot, A. 64082 [CDS]

Lepra ventosa (Malme) Lendemer & R.C.Harris v

[*Pertusaria ventosa* Malme]
source: Benítez et al. (2015), Benítez (2016); Benítez, A. 335 [HUTPL], Benítez, A. 336 [HUTPL], Benítez, A. 337 [HUTPL], Benítez, A. 338 [HUTPL], Benítez, A. 339 [HUTPL], Benítez, A. 340 [HUTPL]

Lepraria

Lepraria achariana Flakus & Kukwa

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2013c); Ertz, D. 11579 [CDS]

Lepraria albicans (Th. Fr.) Lendemer & Hodk. v

[*Leprocaulon albicans* (Th. Fr.) Nyl. ex Hue, *Stereocaulon albicans* Th. Fr.]
source: Zahlbruckner (1905, 1907), Marcano et al. (1997); T.H. Nash III 23851 [ASU], D. Ugent s.n. [WIS], Etayo, J. 20088 [hb. Etayo], Etayo, J. 25846 [hb. Etayo], Etayo, J. 25849 [hb. Etayo]

Lepraria arbuscula (Nyl.) Lendemer & Hodk. v

[*Leprocaulon arbuscula* (Nyl.) Nyl., *Stereocaulon arbuscula* Nyl., *Stereocaulon arbuscula var. aberrans* Asahina, *Stereocaulon arbuscula var. arbuscula* Nyl.]
source: Nöske & Sipman (2004), Nöske et al. (2007), Mandl (2007)

Lepraria congesta (Nyl.) Lendemer & B.P. Hodk. v

[*Leprocaulon congestum* (Nyl.) I.M. Lamb & A.M. Ward, *Stereocaulon congestum* Nyl.]
source: Mandl (2007), Cevallos Solórzano (2012; as *Leprocaulon congestum*), van den Boom et al. (2022), Marcano et al. (1997); D. Ugent s.n. [WIS], K. Kalb 19120 [WIS]

Lepraria cryptovouauxii Kukwa, Flakus & Guzow-Krzemińska v

source: Guzow-Krzemińska et al. (2019)

Lepraria finkii (B. de Lesd.) R.C. Harris

[*Crocynia aliciae* Hue, *Crocynia americana* B. de Lesd., *Crocynia andrewii* B. de Lesd., *Crocynia finkii* B. de Lesd., *Crocynia mollissima* B. de Lesd.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2013c); Bungartz, F. 3925 [CDS], Aptroot, A. 64491 [CDS], Aptroot, A. 63825 [CDS], Truong, C. 1536 [CDS], Clerc, P. 08-215 [CDS], Clerc, P. 08-228 [CDS]

Lepraria gracilescens (Nyl.) Lendemer & Hodk. v

[*Leprocaulon gracilescens* (Nyl.) Lamb & Ward, *Stereocaulon albicans var. gracillescens* (Nyl.) C.W. Dodge, *Stereocaulon gracilescens* Nyl.]
source: Cevallos Solórzano (2012; as *Leprocaulon gracilescens*); Etayo, J. 27017 [hb. Etayo]

Lepraria incana (L.) Ach.

[*Crocynia tephra* Hue, *Lecidea incana* (L.) Ach., *Lepra incana* (L.) F.H. Wigg., *Lepraria aeruginosa* (Weiss) Sm., *Patellaria incana* (L.) Spreng., *Pulveraria incana* (L.) Flörke, *Verrucaria incana* (L.) P. Gaertn., G. Mey. & Scherb.]
preliminary identification, native, indigenous, not in the strict sense, but *Lepraria* aff. *incana*, source: Bungartz et al. (2013c; as *Lepraria* aff. *incana*); Bungartz, F. 3934 [CDS]

Lepraria lendemeri Bungartz, Elix, Hillmann & Kalb

endemic to Galapagos, Holotype: Hillmann GAL-10 [CDS 44773], source: Bungartz et al. (2013c); Hillmann, G. GAL-10 [CDS], Aptroot, A. 63130 [CDS], Nugra, F. 47 [CDS]

Lepraria nigrocincta Diederich, Sérus. & Aptroot v

source: Nöske et al. (2007)

Lepraria tenella (Tuck.) Lendemer & B.P. Hodk.

[*Leprocaulon tenellum* Tuck., *Stereocaulon tenellum* Tuck.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, erroneoulsy listed as *Stereocaulon albicans* by Elix & McCarthy (1998); as *"Lepraria tenellum"* by Lendemer & Hodkinson (2013), erroneous use of gener for the the species' epithet according to Art. 23.5 Melbourne Code, source: Bungartz et al. (2013c), Elix & McCarthy (1998), Lendemer & Hodkinson (2013), Weber (1981, 1986); Aptroot, A. 65051 [CDS], Bungartz, F. 9368 [CDS], Bungartz, F. 9376 [CDS], Bungartz, F. 9510 [CDS], Bungartz, F. 10186 [CDS], Bungartz, F. 10262 [CDS], Spielmann, A.A. 10515 [CDS], Aptroot, A. 65501 [CDS], Truong, C. 1290 [CDS], Aptroot, A. 65258 [CDS], Bungartz, F. 7614 [CDS], Ertz, D. 11779 [CDS], Bungartz, F. 4797 [CDS], Bungartz, F. 4857 [CDS], Aptroot, A. 65205 [CDS], Clerc, P. 08-157 [CDS], Bungartz, F. 8331 [CDS], Hillmann, G. GAL-94 [CDS], Bungartz, F. 4102 [CDS], Aptroot, A. 63375 [CDS], Bungartz, F. 4292 [CDS], Ertz, D. 11962 [CDS], Bungartz, F. 6305 [CDS], Bungartz, F. 8584 [CDS], Clerc, P. 08-328 [CDS], Bungartz, F. 6301 [CDS], Aptroot, A. 64028 B [CDS], Bungartz, F. 8203 [CDS], Aptroot, A. 64109 [CDS], Aptroot, A. 65728 [CDS], Aptroot, A. 64034 [CDS], Ertz, D. 11928 [CDS], Weber, W.A. s.n. [CDS], Spielmann, A.A. 10517 [CDS], Spielmann, A.A. 10516 [CDS], Spielmann, A.A. 10404 [CDS], Bungartz, F. 4132 B [CDS], Hillmann, G. GAL-102 [CDS], Bungartz, F. 8214 [CDS], Hillmann, G. GAL-103 [CDS], Bungartz, F. 6649 [CDS], Clerc, P. 08-170 [CDS], Bungartz, F. 7735 [CDS], Bungartz, F. 3655 [CDS], Aptroot, A. 65228 [CDS], Bungartz, F. 6718 [CDS], Ertz, D. 11605 [CDS], Spielmann, A.A. 10563 [CDS], Spielmann, A.A. 10505 [CDS]

Lepraria umbricola Tønsberg v

source: Nöske & Sipman (2004; as *L.* cf. *umbricola*, Nöske et al. (2007)

Lepraria vouauxii (Hue) R.C. Harris v

[*Crocynia vouauxii* Hue, *Leproloma vouauxii* (Hue) J. R. Laundon]
native, indigenous, source: Bungartz et al. (2013c); Bungartz, F. 4178 [CDS], Aptroot, A. 65171 [CDS], Aptroot, A. 65476 A [CDS], Aptroot, A. 65666 [CDS], Bungartz, F. 4759 [CDS]

Leprocaulon

Leprocaulon microscopicum (Vill.) Gams ex D. Hawksw. v

[*Baeomyces nanus* (Ach.) Hepp, *Leprocaulon quisquiliare* (Leers) M. Choisy, *Lichen microscopicus* Vill., *Lichen nanus* Ach., *Lichen quisquiliaris* Leers, *Stereocaulon microscopicum* (Vill.) Frey., *Stereocaulon quisquilare*, *Stereocaulon quisquiliare* (Leers) Hoffm.]
source: Cevallos Solórzano (2012), Marcano et al. (1997)

Leprocollema

Leprocollema novocaledonianum A.L. Sm.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 63089 [CDS]

Leproplaca

Leproplaca chrysodeta (Vain.) J. R. Laundon ex Ahti

[*Callopisma chrysodetum* (Vain.) Räsänen, *Caloplaca chrysodeta* (Vain. ex Räsänen) Dombr., *Placodium chrysodetum* Vain.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2020b); Bungartz, F. 7595 [CDS]

Leptobarya

Leptobarya aurantiicarpa Etayo v

* = lichenicolous fungi (parasites on living lichens); on *Leptogium azureum* and *L. foveolatum*, source: Etayo (2017); Etayo, J. 20149 [hb. Etayo], Etayo, J. 25383 [hb. Etayo], Etayo, J. 25383 [QCAM]

Leptobarya nigra Etayo v

* = lichenicolous fungi (parasites on living lichens); on *Leptogium* sp., source: Etayo (2017); Etayo, J. 20053 [hb. Etayo], Etayo, J. 23448 [hb. Etayo], Etayo, J. & Palice, Z. 20053 [QCAM]

Leptogidium

Leptogidium dendriscum (Nyl.) Nyl.

[*Ephebe byssoides* Carrington, *Leptodendriscum byssoides* (Carrington) Vain., *Leptodendriscum moorei* (Hepp ex Leight.) Vain., *Leptodendriscum neocaledonicum* Vain., *Leptogidiomyces dendrisci* Cif. & Tomas., *Leptogidium byssoides* (Carrington) Zahlbr., *Leptogidium delicatulum* Vain., *Leptogidium neocaledonicum* (Vain.) Zahlbr., *Leptogium dendriscum* Nyl., *Leptogium moorei* Hepp ex Leight., *Polychidium dendriscum* (Nyl.) Henssen]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Mandl (2007)

Leptogidium stipitatum (Vězda & W. A. Weber) T. Sprib. & Muggia

[*Polychidium stipitatum* Vězda & W.A. Weber]
preliminary identification, F. Bungartz: material needs verification; Aptroot, A. 64694 [CDS], Aptroot, A. 64649 [CDS], Dal-Forno, M. 1176 [CDS]

Leptogium

Leptogium aciculare P.M. Jørg.

Holotype E, Spruce Lichenes Andini et Amazonici 125, source: Jørgensen (1975), Jørgensen & Arvidsson (2004); F. R. Fosberg & M. Giler 22602 a [US], Etayo, J. 26340 [hb. Etayo]

Leptogium adpressum Nyl.

source: van den Boom et al. (2022)

Leptogium andinum P.M. Jørg.

parasitized by *Didymellopsis viridireagens*, source: Etayo (2017), Fernández-Prado et al. (2022); R.C. Harris 17113 [BG], Etayo, J. 17342 [hb. Etayo], Etayo, J. 25941 [hb. Etayo]

Leptogium austroamericanum (Malme) C.W. Dodge

[*Leptogium caesium var. austroamericanum* (Malme) Zahlbr., *Leptogium cyanescens var. austroamericanum* Malme]
source: Benítez et al. (2012, 2015, 2019), Chuquimarca et al. (2019); Benítez, A. 254 [HUTPL]

Leptogium azureum (Sw.) Mont.

[*Collema azureum* (Sw.) Ach., *Leptogium moluccanum var. azureum* (Sw.) Asahina, *Leptogium tremelloides var. azureum* Nyl., *Lichen azureus* Sw., *Parmelia azurea* (Sw. ex Ach.) Ach.]
parasitized by *Leptobarya aurantiicarpa, Stigmidium leptogii*, *Lichenopeltella leptogii*, *Pronectria hymeniicola*, *Pronectria leptogii*, and *Xenonectriella leptaleoides*, source: Nöske et al. (2007), Bungartz (2008), Ochoa-Jiménez et al. (2015), Benítez et al. (2012, 2015), Benítez (2016), Etayo (2017), Chuquimarca et al. (2019), Déleg at al. (2021), van den Boom et al. (2022); Klara Scharnagl 2087 [MSC], Culberson, William, L.... 20439 [DUKE], Culberson, William, L.... 20420 [DUKE], S. Itow [COLO], Aptroot, A. 63157 A [CDS], Aptroot, A. 63916 [CDS], Ziemmeck, F. 547 [CDS], Bungartz, F. 3450 [CDS], Bungartz, F. 3464 [CDS], Ziemmeck, F. 490 A [CDS], Bungartz, F. 4050 [CDS], Aptroot, A. 65537 [CDS], Bungartz, F. 4117 [CDS], Aptroot, A. 65209 [CDS], Bungartz, F. 5569 [CDS], Nugra, F. 378 [CDS], Nugra, F. 383 [CDS], Nugra, F. 404 [CDS], Nugra, F. 302 [CDS], Nugra, F. 316 A [CDS], Nugra, F. 319 A [CDS], Nugra, F. 197 [CDS], Nugra, F. 248 [CDS], Nugra, F. 152 [CDS], Nugra, F. 398 [CDS], Nugra, F. 224 [CDS], Nugra, F. 272 [CDS], Nugra, F. 274 [CDS], Nugra, F. 175 [CDS], Ertz, D. 11715 [CDS], Clerc, P. 08-236 [CDS], Nugra, F. 1084 [CDS], Benítez, A. 255 [HUTPL], Etayo, J. 20123 [hb. Etayo], J. Etayo 25338 [hb. Etayo], Etayo, J. 25381 [hb. Etayo], Etayo, J. 25382 [hb. Etayo], Etayo, J. 25395 [hb. Etayo], Etayo, J. 25397 [hb. Etayo], Etayo, J. 25505 [hb. Etayo], Etayo, J. 25643 [hb. Etayo], Etayo, J. 25691 [hb. Etayo], Etayo, J. 25708 [hb. Etayo], Etayo, J. 25726 [hb. Etayo], Etayo, J. 26355 [hb. Etayo], Etayo, J. 20151 [hb. Etayo]

Leptogium brebissonii Mont.

[*Collema ruginosum* Dufour ex Schaer., *Leptogiopsis brebissonii* (Mont.) Müll.Arg., *Leptogium ruginosum* (Dufour ex Schaer.) Nyl., *Lethagrium ruginosum* (Dufour ex Schaer.) Bagl., *Synechoblastus ruginosus* (Dufour ex Schaer.) Hepp]
source: Fernández-Prado et al. (2022), van den Boom et al. (2022); Erik Asplund L97 [S]

Leptogium bullatulum Müll.Arg.

source: Leighton (1866), Fernández-Prado et al. (2022)

Leptogium burgessii (L.) Mont.

[*Collema burgessii* (L.) Ach., *Leptogium burgesii* (L.) Mont., *Lichen burgessii* L., *Mallotium burgessii* (L.) Gray, *Parmelia burgessii* (L.) Ach.]
parasitized by *Xenonectriella leptaleoides* & *Tremella leptogii*, source: Benítez et al. (2012, 2015), Etayo (2017), Chuquimarca et al. (2019), Fernández-Prado et al. (2022); Culberson, William, L.... 20519 [DUKE], Culberson, William, L.... 20539 [DUKE], Calvin R. Sperling 5126 [hb. Esslinger], L. B. Holm-Nielsen 5258 [US], L. B. Holm-Nielsen 5828 [US], Benítez, A. 256 [HUTPL], Stalin Cáceres... 51 [INABIOEC-MECN-QCNE], Etayo, J. 20122 [hb. Etayo], Etayo, J. 20139 [hb. Etayo], Etayo, J. 25375 [hb. Etayo], Etayo, J. 25398 [hb. Etayo], J. Etayo 25542 [hb. Etayo], Etayo, J. 25699 [hb. Etayo], Etayo, J. 25824 [hb. Etayo], Etayo, J. 25937 [hb. Etayo]

Leptogium burnetiae C.W. Dodge

parasitized by *Pronectria leptogii*, source: Benítez et al. (2012, 2015; as *Leptogium burnetii*), Chuquimarca et al. (2019; as *Leptogium burnetii*), Etayo (2017; as *Leptogium* cf. *burnetiae*); Culberson, William, L.... 20529 [DUKE], Benítez, A. 257 [HUTPL], Etayo, J. 25788 [hb. Etayo], Etayo, J. 26402 [hb. Etayo]

Leptogium caperatum P.M. Jørg. & A.K. Wallace

source: Jørgensen (1997)

Leptogium chloromelum (Ach.) Nyl.

[*Collema chloromelum* (Ach.) Ach., *Lichen chloromelos* Sw., *Lichen chloromelus* (Ach.) Sw., *Lichen chloromelus* Sw. ex Ach. nom. inval., *Parmelia chloromela* Ach.]
source: Benítez et al. (2012, 2015), Fernández-Prado et al. (2022); Benítez, A. 258 [HUTPL]

Leptogium cochleatum (Dicks.) P.M. Jørg. & P. James

[*Lichen cochleatus* Dicks.]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Benítez et al. (2012, 2015), Benítez (2016), Chuquimarca et al. (2012, 2019), Fernández-Prado et al. (2022); Benítez, A. 259 [HUTPL]

Leptogium coralloideum (Meyen & Flot.) Vain.

[*Leptogium diaphanum f. coralloideum* Meyen & Flot., *Parmelia coralloidea* (Meyen & Flot.) Vain., *Parmelia coralloidea var. coralloidea* (Meyen & Flot.) Vain.]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Ochoa-Jiménez et al. (2015), Benítez et al. (2012, 2015), Chuquimarca et al. (2019), Fernández-Prado et al. (2022); Culberson, William, L.... 20428 [DUKE], MacDougal, John 1959 [DUKE], Benítez, A. 260 [HUTPL], J. Etayo 17254 [hb. Etayo], J. Etayo 17282 [hb. Etayo], J. Etayo 25551 [hb. Etayo], Etayo, J. 25644 [hb. Etayo]

Leptogium corticola (Taylor) Tuck.

[*Collema corticola* Taylor]
source: Benítez et al. (2012, 2015), González et al. (2017b, 2019), Chuquimarca et al. (2019), Fernández-Prado et al. (2022); Culberson, William, L.... 20417 [DUKE], Culberson, William, L.... 20444 [DUKE], Benítez, A. 261 [HUTPL], Gunnar Harling 1882 [S]

Leptogium cyanescens (Ach.) Körb.

[*Collema cyanescens* (Ach.) Rabenh., *Collema tremelloides var. cyanescens* Ach., *Leptogium cyanizum* Nyl. nom. illegit., *Leptogium tremelloides var. cyanescens* (Ach.) Hepp, *Lichen cyanescens* Pers., *Parmelia cyanescens* (Pers.) Ach., *Stephanophorus cyanizum* (Nyl.) Nyl., *Verrucaria cyanescens* (Pers.) Hoffm.]
source: Weber (1981), Weber (1986), Elix & McCarthy (1998), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Bungartz (2008), Benítez et al. (2012), Benítez (2016), Etayo (2017), Miquel & Bungartz (2017), Chuquimarca et al. (2019), Fernández-Prado et al. (2022); W.A. Weber 1976-04-16 [ASU], W.A. Weber L-40283 [ASU], Weber, W. A 130586 [MSC], Weber, W. 40283 [MIN], William A. Weber 1976-04-16 [BRY], W.A. Weber s.n. [WIS], Culberson, William, L.... 20416 [DUKE], Weber, William, A.... s.n. [DUKE], W.A. Weber... 1976-04-16 [UPS], W. A. Weber L-40283 [USU], W. A. Weber & J. Lanier 1976-04-16 [FH], unknown 1976-04-16 [ALA], W.A. Weber, J. Lanier 1976-04-16 [BG], W. A. Weber L-41139 [US], W.A. Weber, J. Lanier 506 [UBC], W.A. Weber l-40283 [UBC], Weber, W.A. s.n. [CDS], Aptroot, A. 63149 [CDS], Aptroot, A. 63156 [CDS], Aptroot, A. 63309 [CDS], Aptroot, A. 63310 [CDS], Aptroot, A. 63157 B [CDS], Ziemmeck, F. 520 [CDS], Aptroot, A. 64696 [CDS], Aptroot, A. 64845 [CDS], Aptroot, A. 63915 [CDS], Aptroot, A. 64823 [CDS], Bungartz, F. 3449 [CDS], Aptroot, A. 63845 [CDS],

Ziemmeck, F. 490 B [CDS], Bungartz, F. 3484 [CDS], Aptroot, A. 65542 [CDS], Bungartz, F. 3691 [CDS], Bungartz, F. 3681 [CDS], Aptroot, A. 65653 [CDS], Bungartz, F. 5548 [CDS], Bungartz, F. 5563 [CDS], Ziemmeck, F. 1073 [CDS], Bungartz, F. 6769 [CDS], Bungartz, F. 5802 [CDS], Bungartz, F. 5624 [CDS], Bungartz, F. 5626 [CDS], Bungartz, F. 5514 [CDS], Bungartz, F. 5525 [CDS], Bungartz, F. 4881 [CDS], Bungartz, F. 6687 [CDS], Bungartz, F. 6675 [CDS], Bungartz, F. 4835 [CDS], Nugra, F. 388 [CDS], Nugra, F. 402 [CDS], Nugra, F. 403 A [CDS], Nugra, F. 405 [CDS], Nugra, F. 340 [CDS], Nugra, F. 281 [CDS], Nugra, F. 317 [CDS], Nugra, F. 318 [CDS], Nugra, F. 301 [CDS], Nugra, F. 370 [CDS], Nugra, F. 217 [CDS], Nugra, F. 234 [CDS], Nugra, F. 151 [CDS], Nugra, F. 199 [CDS], Nugra, F. 267 [CDS], Nugra, F. 74 [CDS], Nugra, F. 11 [CDS], Nugra, F. 53 [CDS], Bungartz, F. 6828 [CDS], Bungartz, F. 6877 [CDS], Bungartz, F. 6884 [CDS], Ertz, D. 11560 [CDS], Ertz, D. 11908 [CDS], Nugra, F. 496 [CDS], Nugra, F. 501 A [CDS], Nugra, F. 505 [CDS], Nugra, F. 508 [CDS], Bungartz, F. 7634 [CDS], Bungartz, F. 7649 [CDS], Bungartz, F. 7752 [CDS], Bungartz, F. 7998 [CDS], Bungartz, F. 7999 [CDS], Truong, C. 1208 A [CDS], Truong, C. 1245 [CDS], Clerc, P. 08-22 [CDS], Herrera-Campos, M.A. 10547 [CDS], Herrera-Campos, M.A. 10696 [CDS], Bungartz, F. 8161 [CDS], Bungartz, F. 8272 A [CDS], Bungartz, F. 8357 [CDS], Bungartz, F. 8583 [CDS], Herrera-Campos, M.A. 10905 [CDS], Yánez-Ayabaca, A. 1500 [CDS], Nugra, F. 896 [CDS], Rivas Plata, E. 4039 [CDS], Rivas Plata, E. 4051 [CDS], Bungartz, F. 9459 [CDS], Bungartz, F. 9343 [CDS], Bungartz, F. 9660 [CDS], Yánez-Ayabaca, A. 1810 [CDS], Yánez-Ayabaca, A. 1829 [CDS], Yánez-Ayabaca, A. 1844 [CDS], Yánez-Ayabaca, A. 1937 [CDS], Spielmann, A.A. 10423 [CDS], Spielmann, A.A. 10637 [CDS], Nugra, F. 1020 [CDS], Bungartz, F. 10345 [CDS], Bungartz, F. 10347 [CDS], Bungartz, F. 10469 [CDS], Nugra, F. 1106 [CDS], Nugra, F. 1133 [CDS], Nugra, F. 1135 [CDS], Bungartz, F. 10545 [CDS], Spielmann, A.A. 8156 [CDS], Yánez-Ayabaca, A. 1843 [CDS], Benítez, A. 42 [HUTPL], Benítez, A. 262 [HUTPL], J. Etayo 17285 [hb. Etayo], Etayo, J. 25385 [hb. Etayo], Etayo, J. 26252 [hb. Etayo]

Leptogium davidii M. Lindstr.

Holotype GB, Andersson et al. 426, source: Lindström (2007); Andersson, L.... 426 [GB]

Leptogium denticulatum Nyl.

Klara Scharnagl 1884 [MSC], Klara Scharnagl 1961 [MSC], Klara Scharnagl 1963 [MSC], Klara Scharnagl 1972 [MSC], Klara Scharnagl 2183 [MSC]

Leptogium diaphanum (Sw.) Mont.

[*Collema diaphanum* (Sw.) Ach., *Lichen diaphanus* Sw., *Lobaria diaphana* (Sw.) Raeusch., *Parmelia diaphana* (Sw.) Ach., *Patellaria diaphana* (Sw.) Wallr.]
source: Müller (1879), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Benítez et al. (2012, 2015), Chuquimarca et al. (2019); Culberson, William, L.... 20471 [DUKE], Benítez, A. 263 [HUTPL], Erik Asplund 288 [S]

Leptogium digitatum (A. Massal.) Zahlbr.

[*Stephanophorus digitatus* A. Massal.]
Neotype: GB-0128178, Arvidsson 293; neotype selected by Jørgenssen (1973), source: Jørgenssen (1973), Jørgensen (1975; p 454: only mentioned in the key as occuring in Ecuador-Bolivia), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Kitaura & Marcelli (2013); Arvidsson, L.; Nilson, D. 293 [GB]

Leptogium epiphyllum M. Lindstr.

Holotype NY, Brako 5236, source: Lindström (2007); L. Brako 5236 [NY]

Leptogium eriodermoides Arv. & P.M. Jørg.

Holotype GB, Arvidsson & Nilson 1635, source: Jørgensen (1997), Jørgensen & Arvidsson (2004); L. Arvidsson, D. Nilsson 1635 dupl. [BG], Arvidsson, L.; Nilson, D. 1635 [GB]

Leptogium hildenbrandii (Garov.) Nyl.

[*Collema hildenbrandii* Garov., *Collema myochroum var. hildenbrandii* (Garov.) Rabenh., *Leptogiomyces hildenbrandii* (Garov.) E.A. Thomas ex Cif. & Tomas.]
source: Davey (1999), Cevallos Solórzano (2012)

Leptogium isidiosellum (Riddle) Sierk

[*Leptogium marginellum var. isidiosellum* Riddle]
source: Kalb & Aptroot (2017); Culberson, William, L.... 20434 [DUKE], Erik Asplund L208 [S]

Leptogium javanicum (Mont. & Bosch) Mont.

[*Stephanophorus javanicus* Mont. & Bosch]
source: Fernández-Prado et al. (2022); Bungartz, F. 5527 [CDS], Bungartz, F. 5529 [CDS], Nugra, F. 397 [CDS], Nugra, F. 282 [CDS], Bungartz, F. 5526 [CDS], Nugra, F. 283 [CDS], Ertz, D. 11554 [CDS], Ertz, D. 11833 [CDS]

Leptogium juressianum Tav.

Etayo, J. 26283 [hb. Etayo]

Leptogium laceroides B. de Lesd.

[*Leptogium americanum* Degel.]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Benítez et al. (2012, 2015), Chuquimarca et al. (2019), Fernández-Prado et al. (2022); Benítez, A. 264 [HUTPL], Gunnar Harling 1918 [S], Etayo, J. 25869 [hb. Etayo]

Leptogium mandonii P.M. Jørg.

parasitized by *Didymellopsis viridireagens*, source: Etayo (2017); Etayo, J. 25841 [hb. Etayo], Etayo, J. 26013 [hb. Etayo]

Leptogium marginellum (Sw.) Gray

[*Collema marginellum* (Sw.) Raeusch., *Leptogium marginellum var. marginellum* (Sw.) Gray, *Lichen marginellus* Sw., *Parmelia marginella* (Sw.) Ach.]
source: Dodge (1936), Weber (1966, 1986), Elix & McCarthy (1998), LeDee (2000), Bungartz (2008), Benítez et al. (2012, 2015), Benítez (2016), Chuquimarca et al. (2019), Fernández-Prado et al. (2022); Weber, W.A. s.n. [CDS], Aptroot, A. 63334 [CDS], Bungartz, F. 3928 [CDS], Aptroot, A. 64505 [CDS], Bungartz, F. 3536 [CDS], Aptroot, A. 63917 [CDS], Bungartz, F. 3707 [CDS], Bungartz, F. 3451 [CDS], Bungartz, F. 3452 [CDS], Bungartz, F. 3454 [CDS], Bungartz, F. 3462 [CDS], Bungartz, F. 3465 [CDS], Bungartz, F. 4026 [CDS], Bungartz, F. 4080 [CDS], Bungartz, F. 3483 [CDS], Bungartz, F. 4121 [CDS], Aptroot, A. 65230 [CDS], Bungartz, F. 3683 [CDS], Bungartz, F. 3693 [CDS], Aptroot, A. 65652 [CDS], Bungartz, F. 5547 [CDS], Bungartz, F. 6669 [CDS], Bungartz, F. 5740 [CDS], Bungartz, F. 5723 [CDS], Bungartz, F. 5016 [CDS], Bungartz, F. 5017 [CDS], Bungartz, F. 5783 [CDS], Bungartz, F. 5834 [CDS], Bungartz, F. 5528 [CDS], Bungartz, F. 4728 [CDS], Bungartz, F. 4713 [CDS], Nugra, F. 198 A [CDS], Nugra, F. 208 [CDS], Nugra, F. 189 [CDS], Nugra, F. 191 [CDS], Nugra, F. 212 [CDS], Nugra, F. 247 [CDS], Nugra, F. 165 [CDS], Bungartz, F. 6803 [CDS], Bungartz, F. 6818 [CDS], Bungartz, F. 6836 [CDS], Bungartz, F. 6846 [CDS], Ertz, D. 11555 [CDS], Nugra, F. 507 [CDS], Nugra, F. 501 B [CDS], Nugra, F. 316 B [CDS], Nugra, F. 630 [CDS], Truong, C. 1344 [CDS], Truong, C. 1535 [CDS], Clerc, P. 08-19 [CDS], Herrera-Campos, M.A. 10652 [CDS], Tehler, A. 8676 [CDS], Bungartz, F. 8128 [CDS], Bungartz, F. 8246 A [CDS], Herrera-Campos, M.A. GAL-430 [CDS], Herrera-Campos, M.A. 10900 [CDS], Hillmann, G. GAL-42 [CDS], Hillmann, G. GAL-143 [CDS], Hillmann, G. GAL-140 [CDS], Hillmann, G. GAL-142 [CDS], Hillmann, G. GAL-150 A [CDS], Rivas Plata, E. 4057 [CDS], Bungartz, F. 9264 [CDS], Bungartz, F. 9304 [CDS], Bungartz, F. 9342 [CDS], Bungartz, F. 9357 [CDS], Bungartz, F. 9495 [CDS], Bungartz, F. 10253 [CDS], Bungartz, F. 10036 [CDS], Yánez-Ayabaca, A. 1739 [CDS], Yánez-Ayabaca, A. 1748 [CDS], Yánez-Ayabaca, A. 1759 [CDS], Yánez-Ayabaca, A. 1779 [CDS], Yánez-Ayabaca, A. 1851 [CDS], Yánez-Ayabaca, A. 1944 [CDS], Yánez-Ayabaca, A. 1950 [CDS], Spielmann, A.A. 10374 [CDS], Spielmann, A.A. 10666 [CDS], Spielmann, A.A. 10669 [CDS], Spielmann, A.A. 10713 [CDS], Bungartz, F. 10293 [CDS], Bungartz, F. 10295 [CDS], Bungartz, F. 10427 [CDS], Bungartz, F. 10464 [CDS], Nugra, F. 1113 [CDS], Bungartz, F. 9511 C [CDS], Bungartz, F. 8272 B [CDS], Benítez, A. 265 [HUTPL]

Leptogium menziesii Mont.

[*Collema menziesii* (Sm.) Ach., *Parmelia menziesii* (Sm.) Ach.]
source: Roumeguère (1879), Müller (1879), Zahlbruckner (1907), Zahlbruckner (1905); COLO-L-0078553 [COLO]

Leptogium milligranum Sierk

source: Weber (1986), Elix & McCarthy (1998), Benítez et al. (2012, 2015), Ochoa-Jiménez et al. (2015), Chuquimarca et al. (2019); often erroneously cited as *L. millegranum*; Bungartz, F. 3894 [CDS], Aptroot, A. 65040 [CDS], Aptroot, A. 64223 [CDS], Aptroot, A. 65136 [CDS], Bungartz, F. 9498 [CDS], Bungartz, F. 10424 [CDS], Bungartz, F. 5492 [CDS], Benítez, A. 266 [HUTPL]

Leptogium papillosum (B. de Lesd.) Dodge

[*Leptogium hildenbrandii var. papillosum* B. de Lesd.]
source: Arvidsson (1991), Cevallos (2012)

Leptogium paramense (P.M. Jørg. & Palice) A. Košuth. & Wedin

[*Collema paramense* P.M. Jørg. & Palice, *Rostania paramensis* (P.M. Jørg. & Palice) P.M. Jørg. & Palice, *Scytinium paramense* (P.M. Jørg. & Palice) Otálora, P.M. Jørg. & Wedin]
source: Jørgensen & Palice (2012), Jørgensen & Palice (2015), Košuthová et al. (2019)

Leptogium phyllocarpum (Pers.) Mont.

[*Collema phyllocarpum* Pers., *Collema turneri* Taylor ex Hook. f., *Leptogium bullatum* (Sw.) Mont., *Leptogium bullatum f. phyllocarpum* (Pers.) Tuck., *Leptogium bullatum var. bullatum* (Sw.) Mont., *Leptogium phyllocarpum var. turneri* (Taylor ex Hook. f.) Zahlbr., *Stephanophorus phyllocarpum* (Pers.) Mont.]
parasitized by *Pronectria leptogii, Trichonectria leptogiicola, Stigmidium leptogii, Tremella leptogii* and *Xenonectriella leptaleoides*, source: Müller (1879), Návas (1908), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Bungartz (2008), Benítez et al. (2012, 2015), Benítez (2016), Déleg et al. (2021), Chuquimarca et al. (2019), van den Boom et al. (2022), Fernández-Prado et al. (2022); R. Rosentreter 13,342 [SRP], M. Acosta Solis 10985 [F], Culberson, William, L.... 20232 [DUKE], Culberson, William, L.... 20440 [DUKE], Culberson, William, L.... 20208 [DUKE], Culberson, William, L.... 20447 [DUKE], Aptroot, A. 63433 [CDS], Aptroot, A. 63120 [CDS], Bungartz, F. 3889 [CDS], Aptroot, A. 64087 [CDS], Aptroot, A. 64041 [CDS], Aptroot, A. 64875 [CDS], Aptroot, A. 65618 [CDS], Ziemmeck, F. 650 [CDS], Aptroot, A. 64962 [CDS], Bungartz, F. 3498 [CDS], Aptroot, A. 63991 [CDS], Aptroot, A. 64053 [CDS], Bungartz, F. 6662 [CDS], Bungartz, F. 5481 [CDS], Bungartz, F. 5482 [CDS], Bungartz, F. 5240 [CDS], Bungartz, F. 5679 [CDS], Bungartz, F. 6263 [CDS], Bungartz, F. 5691 [CDS], Bungartz, F. 5190 [CDS], Bungartz, F. 5863 [CDS], Nugra, F. 126 [CDS], Nugra, F. 158 [CDS], Bungartz, F. 6930 [CDS], Ertz, D. 11706 [CDS], Ertz, D. 11898 [CDS], Bungartz, F. 7355 [CDS], Bungartz, F. 7387 [CDS], Bungartz, F. 7569 [CDS], Bungartz, F. 7640 [CDS], Bungartz, F. 7666 [CDS], Bungartz, F. 7844 [CDS], Bungartz, F. 7924 [CDS], Truong, C. 1506 [CDS], Bungartz, F. 8312 [CDS], Bungartz, F. 8470 [CDS], Herrera-Campos, M.A. GAL-452 [CDS], Bungartz, F. 8744 [CDS], Bungartz, F. 9139 [CDS], Bungartz, F. 9309 [CDS], Bungartz, F. 9455 [CDS], Bungartz, F. 9770 [CDS], Bungartz, F. 10123 [CDS], Yánez-Ayabaca, A. 1753 [CDS], Yánez-Ayabaca, A. 1858 [CDS], Spielmann, A.A. 10577 [CDS], Spielmann, A.A. 10578 [CDS], Spielmann, A.A. 10579 [CDS], Spielmann, A.A. 10580 [CDS], Nugra, F. 1002 [CDS], Nugra, F. 1008 [CDS], Bungartz, F. 10365 [CDS], Benítez, A. 268 [HUTPL], Gunnar Harling 1917 [S], J. Etayo 17283 [hb. Etayo], Etayo, J. 17345 [hb. Etayo], J. Etayo 20177 [hb. Etayo], Etayo, J. 25375 [hb. Etayo], Etayo, J. 25395 [hb. Etayo], J. Etayo 25552 [hb. Etayo], J. Etayo 25592 [hb. Etayo], Etayo, J. 25609 [hb. Etayo], Etayo, J. 25642 [hb. Etayo], Etayo, J. 25727 [hb. Etayo], Etayo, J. 25765 [hb. Etayo], Etayo, J. 25789 [hb. Etayo], Etayo, J. 25842 [hb. Etayo], Etayo, J. 25999 [hb. Etayo], Etayo, J. 26271 [hb. Etayo], Etayo, J. 26349 [hb. Etayo], J. Etayo 26663 [hb. Etayo], Etayo, J. 26663 [QCAM]

Leptogium phyllocarpum var. macrocarpum Nyl.

problematic, name not resolved, no modern record, source: Müller (1879)

Leptogium punctulatum Nyl.

[*Leptogium foveolatum* Nyl.]
parasitized by *Leptobarya aurantiicarpa* and *Xenonectriella leptaleoides*, source: Müller (1879), Leighton (1866), Weber (1981; as *Leptogium foveolatum*), Weber (1986), Elix & McCarthy (1998), Bungartz (2008), Etayo (2017); Cox, Cymon, J. 157a/01 [DUKE], Weber, W.A. s.n. [CDS], Aptroot, A. 65041 [CDS], Bungartz, F. 4009 [CDS], Bungartz, F. 4010 [CDS], Bungartz, F. 4049 [CDS], Bungartz, F. 4064 [CDS], Bungartz, F. 4099 [CDS], Bungartz, F. 5555 [CDS], Bungartz, F. 6807 [CDS], Herrera-Campos, M.A. 10564 [CDS], Bungartz, F. 8246 B [CDS], Nugra, F. 891 [CDS], Bungartz, F. 9471 [CDS], Bungartz, F. 9515 [CDS], Bungartz, F. 10281 [CDS], Bungartz, F. 9305 [CDS], Bungartz, F. 9497 [CDS], Yánez-Ayabaca, A. 1823 [CDS], Yánez-Ayabaca, A. 1918 [CDS], Spielmann, A.A. 10582 [CDS], Nugra, F. 1004 A [CDS], Bungartz, F. 5570 [CDS], Etayo, J. 20149 [hb. Etayo], J. Etayo 20174 [hb. Etayo], Etayo, J. 25757 [hb. Etayo], Etayo, J. 25774 [hb. Etayo], Etayo, J. 25781 [hb. Etayo], Etayo, J. 25830 [hb. Etayo], Etayo, J. 26016 [hb. Etayo]

Leptogium resupinans Nyl.

source: Cevallos Solórzano (2012); Etayo, J. 25656 [hb. Etayo]

Leptogium reticulatum Mont.

[*Leptogiopsis reticulata* (Mont.) Müll.Arg.]
source: Andersson & Gradstein (2005), Cevallos (2012)

Leptogium stipitatum Vain.

source: Cevallos (2012), Arvidsson (1991)

Leptogium sulcatum M. Lindstr.

source: Cevallos Solórzano (2012), Lindström (2007)

Leptogium transversum M. Lindstr.

Holotype GB, Andersson 1898, source: Lindström (2007); Andersson, L. 1898 [GB]

Leptogium tremelloides (L.) S. Gray

[*Collema plicatum* Pers., *Collema tremelloides* (L. f.) Ach., *Collema tremelloides var. tremelloides* (L. f.) Ach., *Leptogium tremelloides f. tremelloides* (L. f.) Gray, *Leptogium tremelloides subsp. tremelloides* (L. f.) Gray, *Leptogium tremelloides var. tremelloides* (L. f.) Gray, *Parmelia tremelloides* (L. f.) Ach.]
source: Müller (1879), Zahlbruckner (1905, 1907)

Leptogium velutinum P.M. Jørg.

Holotype GB, Arvidsson & Nilson 1767, source: Jørgensen (1997), Sklenář et al. (2010; as *L.* cf. *velutinum*); Arvidsson, L.; Nilson, D. 1767 [GB], Arvidsson, L.; Nilson, D. 1767 [GB], Maria Prieto Ec-Lep_2010 [S], Etayo, J. 25707 [hb. Etayo]

Leptogium vesiculosum (Sw.) Malme

[*Leptogium bullatum var. vesiculosum* (Sw.) Tuck., *Lichen vesiculosus* Sw., *Lobaria vesiculosa* (Sw.) Raeusch.]
parasitized by *Capronia leptogii* & *Tremella leptogii*, source: Nöske & Sipman (2004), Nöske et al. (2007), Etayo (2017); Culberson, William, L.... 20418 [DUKE], Culberson, William, L.... 20424 [DUKE], L. B. Holm-Nielsen 3145 [US], J. N. Rose 23473 [US], Etayo, J. 25625 [hb. Etayo], Etayo, J. 25789 [hb. Etayo], J. Etayo 26314 [hb. Etayo], Etayo, J. 26351 [hb. Etayo]

Leptotrema

Leptotrema lepadodes (Tuck.) Zahlbr.

[*Leptotrema lepadodes var. lepadodes* (Tuck.) Zahlbr., *Thelotrema lepadodes* Tuck., *Thelotrema lepadodes subsp. lepadodes* Tuck., *Thelotrema lepadodes var. lepadodes* Tuck.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Hillmann, G. GAL-20 [CDS]

Letrouitia

Letrouitia domingensis (Pers.) Hafeller & Bellem.

[*Bombyliospora domingensis* (Pers.) Zahlbr., *Bombyliospora domingensis f. domingensis* (Pers.) Zahlbr., *Bombyliospora domingensis var. aurantiaca* Zahlbr., *Bombyliospora domingensis var. boninensis* Asahina, *Bombyliospora domingensis var. colorata* Vain., *Bombyliospora domingensis var. coralloidea* (Müll.Arg.) Zahlbr., *Bombyliospora domingensis var. domingensis* (Pers.) Zahlbr., *Bombyliospora domingensis var. flavocrocea* (Nyl.) Zahlbr., *Bombyliospora domingensis var. glaucotropa* Vain., *Bombyliospora domingensis var. inexplicata* (Nyl.) Malme, *Bombyliospora domingensis var. inspersa* J. Steiner, *Heterothecium domingense* (Pers.) Tuck., *Lecanora domingensis* (Pers.) Ach., *Lecidea domingensis* (Pers.) Nyl., *Lecidea domingensis var. coralloidea* (Müll. Arg.) Shirley, *Lecidea domingensis var. inexplicata* Nyl., *Lopadium domingense* (Pers.) Fink, *Miltidea domingensis* (Pers.) Stirt., *Patellaria domingensis* Pers., *Patellaria domingensis var. coralloidea* Müll.Arg., *Patellaria domingensis var. domingensis* Pers., *Patellaria domingensis var. inexplicata* (Nyl.) Müll.Arg., *Placodium domingense* (Pers.) Vain.]
source: Nöske et al. (2007)

Letrouitia flavidula (Tuck.) Hafellner

[*Bombyliospora flavidula* (Tuck.) Zahlbr., *Lecanora flavidula* (Tuck.) Nyl., *Lecidea flavidula* Tuck., *Placodium flavidulum* (Tuck.) Vain.]
source: Nöske et al. (2007)

Letrouitia transgressa (Malme) Hafellner & Bellem.

[*Bombyliospora domingensis f. transgressa* Malme]

Klara Scharnagl 2088 [MSC]

Lettauia

Lettauia hypotrachynae Etayo

* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp., source: Etayo (2017); Etayo, J. 25435 [hb. Etayo], Etayo, J. 25482 [hb. Etayo]

Lettauia usneae Etayo

* = lichenicolous fungi (parasites on living lichens); on *Usnea* sp., Holotype QCA, Etayo 19940, source: Etayo (2017); Etayo, J. 19940 [hb. Etayo], Etayo, J. & Palice, Z. 19940 [QCAM]

Leucodecton

Leucodecton occultum (Eschw.) Frisch

[*Leptotrema compunctum* (Ach.) Müll.Arg., *Leptotrema compunctum f. compunctum* (Ach.) Müll.Arg., *Leptotrema compunctum f. portoricense* (Vain.) Zahlbr., *Leptotrema compunctum var. antillarum* (Vain.) Zahlbr., *Leptotrema compunctum var. compunctum* (Ach.) Müll.Arg., *Leptotrema compunctum var. persicinum* Müll.Arg., *Leptotrema compunctum var. praiense* (Vain.) Zahlbr., *Leptotrema compunctum var. purpuratum* Müll.Arg., *Leptotrema occultum* (Eschw.) Hale, *Lichen compunctus* Sm., *Myriotrema compunctum* (Ach.) Hale, *Myriotrema occultum* (Eschw.) Hale, *Thelotrema compunctum* (Sm.) Nyl., *Thelotrema compunctum f. compunctum* (Sm.) Nyl., *Thelotrema compunctum f. portoricense* Vain., *Thelotrema compunctum var. antillarum* Vain., *Thelotrema compunctum var. compunctum* (Sm.) Nyl., *Thelotrema compunctum var. praiense* Vain., *Thelotrema compunctum var. purpuratum* (Müll. Arg.) Vain., *Thelotrema occultum* Eschw., *Tremotyliomyces occulti* Cif. & Tomas., *Urceolaria compuncta* (Sm. ex Ach.) Ach.]
source: Benítez (2016), Benítez et al. (2019); Aptroot, A. 63135 [CDS], Aptroot, A. 63237 [CDS], Aptroot, A. 63437 [CDS], Simbaña, W. 543 [CDS], Aptroot, A. 63950 [CDS], Bungartz, F. 3338 [CDS], Bungartz, F. 6252 [CDS], Bungartz, F. 5039 [CDS], Aptroot, A. 64973 [CDS], Bungartz, F. 4360 [CDS], Bungartz, F. 6519 [CDS], Bungartz, F. 5929 [CDS], Aptroot, A. 63978 [CDS], Bungartz, F. 3575 [CDS], Aptroot, A. 63055 [CDS], Bungartz, F. 6980 [CDS], Bungartz, F. 7983 [CDS], Bungartz, F. 8474 [CDS], Bungartz, F. 8670 [CDS], Spielmann, A.A. 8253 [CDS], Spielmann, A.A. 8205 [CDS], Spielmann, A.A. 8210 [CDS], Bungartz, F. 9942 [CDS], Bungartz, F. 10479 [CDS]

Leucodecton subcompunctum (Nyl.) Frisch

[*Diploschistes diffractus* (Müll.Arg.) Zahlbr., *Diploschistes diffractus f. diffractus* (Müll.Arg.) Zahlbr., *Diploschistes diffractus f. saxicola* (Kremp.) Zahlbr., *Leptotrema diffractum* Müll.Arg., *Leptotrema polycarpum* Müll. Arg., *Leptotrema subcompunctum* (Nyl.) Zahlbr., *Myriotrema subcompunctum* (Nyl.) Hale, *Thelotrema subcompunctum* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Truong, C. 1530 [CDS], Clerc, P. 08-372 [CDS], Herrera-Campos, M.A. GAL-494 [CDS], Bungartz, F. 8661 [CDS], Bungartz, F. 8674 [CDS], Bungartz, F. 8666 [CDS]

Leucodermia

Leucodermia appalachensis (Kurok.) Kalb

[*Anaptychia appalachensis* Kurok., *Heterodermia appalachensis* (Kruok.) W.L. Culb.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 8501 [CDS], Nugra, F. 86 [CDS]

Leucodermia boryi (Fée) Kalb

[*Anaptychia boryi* (Fée) Mass., *Anaptychia boryi var. boryi* (Fée) A. Massal., *Anaptychia neoleucomelaena* Kurok., *Anaptychia neoleucomelaena f. neoleucomelaena* Kurok., *Anaptychia neoleucomelaena f. sorediosa* (Jatta) Kurok., *Anaptychia neoleucomelaena f. squarrosa* (Vain.) Kurok., *Anaptychia neoleucomelaena var. neoleucomelaena* Kurok., *Anaptychia neoleucomelaena var. squarrosa* (Vain.) Kurok., *Heterodermia boryi* (Fée) Kr.P. Singh & S.R. Singh, *Heterodermia boryi f. boryi* (Fée) Kr.P. Singh & S.R. Singh, *Heterodermia leucomelaena subsp. boryi* (Fée) Swinscow & Krog, *Heterodermia leucomelos subsp. boryi* (Fée) Swinscow & Krog]
parasitized by *Stigmidium heterodermiae* & *Syzygospora physciacearum* , source: Etayo (2017); W.L. Culberson 20267 [ASU], Culberson, William, L.... 20268 [DUKE], Culberson, William, L.... 20472 [DUKE], Culberson, William, L.... 20504 [DUKE], Culberson, William, L.... 20218 [DUKE], Culberson, William, L.... 20391 [DUKE], Culberson, William, L.... 20363 [DUKE], Culberson, William, L.... 20285 [DUKE], Culberson, William, L.... 20362 [DUKE], Culberson, William, L.... 20266 [DUKE], Culberson, William, L.... 20255 [DUKE], Nugra, F. 257 [CDS], Aptroot, A. 63849 [CDS], Bungartz, F. 4042 [CDS], Bungartz, F. 3711 [CDS], Ertz, D. 11924 A [CDS], Bungartz, F. 10360 [CDS], Spielmann, A.A. 10463 [CDS], Holm-Nielsen... 1426 [GB], Arvidsson... 4511 [GB], Arvidsson... 3392 [GB], Arvidsson... 3440 [GB], Arvidsson... 6363 [GB], Arvidsson... 6328 [GB], Arvidsson... 6588 [GB], Arvidsson... 1543 [GB], Arvidsson... 5964 [GB], Arvidsson... 6283 [GB], Arvidsson... 2780 [GB], Arvidsson... 3761 [GB], Arvidsson... 3760 [GB], Arvidsson... 3525 [GB], Arvidsson... 3537 [GB], Arvidsson... 6656 [GB], Arvidsson... 1040 [GB], Arvidsson... 820 [GB], Arvidsson... 822 [GB], Arvidsson... 824 [GB], Arvidsson... 823 [GB], Arvidsson... 819 [GB], Arvidsson... 716 [GB], Arvidsson... 5828 [GB], Arvidsson... 5466 [GB], Arvidsson... 5482 [GB], Arvidsson... 5838 [GB], Arvidsson... 5488 [GB], Arvidsson... 2855 [GB], Arvidsson... 2952 [GB], Arvidsson... 2951 [GB], Arvidsson... 3104 [GB], Arvidsson... 5427 [GB], Arvidsson... 5403 [GB], Arvidsson... 5404 [GB], Andersson... 456 [GB], Lindström, Marie 956 [GB], William L.... 1987-08-20 [LD], L. Holm-Nielsen... 1426 [S], William L.... 20267 [S], J. Etayo 17251 [hb. Etayo], Etayo, J. 19955 [hb. Etayo], Etayo, J. 19963 [hb. Etayo], Etayo, J. 19965 [hb. Etayo], J. Etayo 25559 [hb. Etayo], J. Etayo 25581 [hb. Etayo], Etayo, J. 25610 [hb. Etayo], Etayo, J. 25614 [hb. Etayo], Etayo, J. 26413 [hb. Etayo]

Leucodermia circinalis (Zahlbr.) Kalb

[*Anaptychia leucomelaena f. circinalis* Zahlbr., *Anaptychia leucomelos f. circinalis* Zahlbr., *Anaptychia neoleucomelaena f. circinalis* (Zahlbr.) Kurok., *Heterodermia boryi f. circinalis* (Zahlbr.) J.C. Wei, *Heterodermia circinalis* (Zahlbr.) W.A. Weber, *Heterodermia neoleucomelaena f. circinalis* (Zahlbr.) Follmann & Redón]
Typification: Meyer 397; Meyer 399; Type from Ecuador, but typification not determined, source: Zahlbruckner (1905), Nöske et al. (2007); Weber (1981), Nöske & Sipman (2004), Nöske et al. (2007), Mandl (2007); Bungartz, F. 4296 [CDS], Aptroot, A. 65123 [CDS], Aptroot, A. 65507 [CDS], Bungartz, F. 5801 [CDS], Ertz, D. 11854 [CDS], Bungartz, F. 7542 [CDS], Nugra, F. 173 B [CDS]

Leucodermia fertilis (Moberg) Kalb

[*Heterodermia fertilis* Moberg]
Holotype GB, Arvidsson & Arvidsson 4158, source: Moberg (2011); Arvidsson, L.... 4158 [GB], Andersson... 532 [GB], Andersson, Lennart 340 [GB], Andersson, Lennart 935 [GB], Arvidsson... 3538 [GB], Arvidsson... 1983-06-24 [GB], Arvidsson... 1146 [GB], Arvidsson... 1570 [GB], Lindström, Marie 1982-02-04 [GB], Arvidsson... 4232 [GB], Arvidsson... 5490 [GB], Arvidsson... 1042 [GB], Arvidsson... 6288 [GB], Lindström, Marie 923 [GB], Lindström, Marie 930 [GB]

Leucodermia leucomelos (L.) Kalb

[*Anaptychia 'leucomelaena'* (L.) Vain., *Anaptychia leucomelaena* (L.) Vain., *Anaptychia leucomelaena f. leucomelaena*, *Anaptychia leucomelos* (L.) Vain., *Anaptychia leucomelos var. leucomelos* (L.) A. Massal., *Borrera leucomelos* (L.) Ach., *Hagenia leucomelos* (L.) Schwend., *Heterodermia leucomelaena* (L.) Poelt, *Heterodermia leucomelaena f. leucomelaena* (L.) Poelt, *Heterodermia leucomelaena subsp. leucomelaena* (L.) Poelt, *Heterodermia leucomelaena var. leucomelaena* (L.) Poelt, *Heterodermia leucomelos* (L.) Poelt, *Heterodermia leucomelos f. leucomelos* (L.) Poelt, *Heterodermia leucomelos subsp. leucomelos* (L.) Poelt, *Heterodermia leucomelos var. leucomelos* (L.) Poelt, *Lichen leucomelos* L., *Lobaria leucomelos* (L.) Raeusch., *Parmelia leucomelos* (L.) Ach., *Parmelia leucomelos var. leucomelos* (L.) Ach., *Parmelia speciosa var. leucomelos* (L.) Eschw., *Physcia leucomelos* (L.) Michx., *Physcia leucomelos f. leucomelos* (L.) Michx., *Physcia leucomelos var. leucomelos* (L.) Michx., *Physcia speciosa var. leucomelos* (L.) Tuck., *Teloschistes leucomelos* (L.) A. Schneid., *Xanthoria leucomelos* (L.) Horw.]
parasitized by *Abrothallus heterodermiicola, Nectriopsis lichenophila, Arthonia heterodermiae, Hyalopeziza heterodermiae*, *Lichenoconium* cf. *echinosporum*, *Lichenopeltella heterodermiae*, & *Didymocyrtis epiphyscia*, source: Romeguère (1879), Davey (1999), Nöske (2005), Nöske & Sipman (2004), Mandl (2007), Nöske et al. (2007), Moberg (2011), Ochoa-Jiménez et al. (2015), Benítez et al. (2012, 2015), Etayo (2017), Chuquimarca et al. (2019), van den Boom et al. (2022); Asplund, E 66 [MSC], Lawrence H. Pike 2621 [OSC], Lawrence H. Pike 2700 [OSC], W.A. Weber s.n. [WIS], D. Ugent D [WIS], Erik Asplund s.n. [WIS], UC1459367 [UC], COLO-L-0073656 [COLO], W. A. Weber [COLO], W. A. Weber [COLO], W. A. Weber [COLO], H. Sipman [COLO], H. Sipman [COLO], W. A. Weber [COLO], H. Sipman [COLO], H. Sipman [COLO], F. Ortiz C. [COLO], H. Sipman [COLO], W. A. Weber [COLO], H. Sipman [COLO], H. Sipman [COLO], W. A. Weber [COLO], L. H. Pike [COLO], W. A. Weber [COLO], unknown 1976-05-11 [ALA], W.A. Weber... 1976-05-11 [O], E. Asplund 66 [O], Bungartz, F. 4669 [CDS], Bungartz, F. 4769 [CDS], Bungartz, F. 7860 [CDS], Herrera-Campos, M.A. 10662 [CDS], Bungartz, F. 8216 [CDS], Bungartz, F. 8320 [CDS], Bungartz, F. 8693 [CDS], Hillmann, G. GAL-114 [CDS], Hillmann, G. GAL-120 [CDS], Yánez-Ayabaca, A. 1997 [CDS], Weber, W.A. s.n. [CDS], Aptroot, A. 63386 [CDS], Aptroot, A. 65210 [CDS], Bungartz, F. 4155 [CDS], Aptroot, A. 65633 [CDS], Bungartz, F. 7543 [CDS], Bungartz, F. 8494 [CDS], Bungartz, F. 9310 [CDS], Bungartz, F. 9315 [CDS], Bungartz, F. 9847 [CDS], Yánez-Ayabaca, A. 1812 [CDS], Yánez-Ayabaca, A. 1949 [CDS],

Bungartz, F. 10014 [CDS], Bungartz, F. 10007 [CDS], Nugra, F. 1039 [CDS], Nugra, F. 1045 [CDS], Bungartz, F. 10346 [CDS], Spielmann, A.A. 10489 [CDS], Spielmann, A.A. 10484 [CDS], Bungartz, F. 4734 C [CDS], Benítez, A. 222 [HUTPL], Eriksson, John 1947-09-06 [GB], Eriksson, John 1947-09-06 [GB], Eriksson, John 1947-09-06 [GB], Arvidsson... 3144 [GB], Arvidsson... 3154 [GB], Arvidsson... 3155 [GB], Arvidsson... 3143 [GB], Arvidsson... 3463 [GB], Arvidsson... 3375 [GB], Lindström... 2305 [GB], Arvidsson... 3853 [GB], Arvidsson... 3852 [GB], Lindström... 2391 [GB], Lindström... 2374 [GB], Andersson, Lennart 689 [GB], Arvidsson... 6364 [GB], Arvidsson... 3069 [GB], Arvidsson... 2808 [GB], Ståhl... 497 [GB], Arvidsson... 5607 [GB], Arvidsson... 2796b [GB], Arvidsson... 4555 [GB], Arvidsson... 2331 [GB], Arvidsson... 1279 [GB], Holm-Nielsen... 4527 [GB], Andersson... 468 [GB], Arvidsson... 7136 [GB], W. A. Weber... 1976-05-11 [LD], Gunnar Harling 5345b [S], Anders Tehler 8675 [S], Anders Tehler 8675 [S], Gunnar Harling 1864 [S], Gunnar Harling 1967 [S], Gunnar Harling 1838 [S], Erik Asplund L 215 [S], J. Etayo 17239 [hb. Etayo], Etayo, J. 19938 [hb. Etayo], Etayo, J. 20034 [hb. Etayo], Etayo, J. 25442 [hb. Etayo], Etayo, J. 25479 [hb. Etayo], Etayo, J. 25521 [hb. Etayo], Etayo, J. 25632 [hb. Etayo], Etayo, J. 25903 [hb. Etayo], Etayo, J. 25935 [hb. Etayo], Etayo, J. 26250 [hb. Etayo], Etayo, J. 26358 [hb. Etayo], J. Etayo 26673 [hb. Etayo], Balslev... HB 3515 [QCAM], Gradstein... GSV 69 [QCAM], Etayo, J. 26673 [QCAM]

Leucodermia leucomelos f. albociliata (Hue) Bungartz

[*Anaptychia albociliata* (Nyl.) Vain., *Anaptychia leucomelos f. albociliata* (Nyl.) Hue, *Anaptychia ophioglossa f. albociliata* (Nyl.) Kurok., *Heterodermia leucomelaena f. albociliata* (Nyl.) D.D. Awasthi, *Heterodermia leucomelos f. albociliata* (Nyl.) D.D. Awasthi, *Physcia leucomelos f. albociliata* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 7384 [CDS], Bungartz, F. 7488 [CDS], Bungartz, F. 7513 [CDS], Bungartz, F. 7524 [CDS], Bungartz, F. 7660 [CDS], Bungartz, F. 7687 [CDS], Nugra, F. 597 [CDS], Nugra, F. 617 [CDS], Bungartz, F. 8300 [CDS], Bungartz, F. 3955 [CDS], Bungartz, F. 5717 [CDS], Bungartz, F. 4740 [CDS], Bungartz, F. 4746 [CDS], Herrera-Campos, M.A. 10679 [CDS], Bungartz, F. 9499 [CDS], Bungartz, F. 10170 [CDS], Nugra, F. 1069 [CDS], Ertz, D. 11924 B [CDS], Bungartz, F. 10194 [CDS], Bungartz, F. 9583 [CDS], Bungartz, F. 9296 [CDS], Bungartz, F. 9316 [CDS], Spielmann, A.A. 10495 [CDS], Spielmann, A.A. 10388 [CDS], Yánez-Ayabaca, A. 1859 [CDS]

Leucodermia lutescens (Kurok.) Kalb v

[*Anaptychia lutescens* Kurok., *Heterodermia lutescens* (Kurok.) Follmann]
parasitized by *Lichenopeltella heterodermiicola*, source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Moberg (2011), Etayo (2017), van den Boom et al. (2022); Arvidsson... 408 [GB], Arvidsson... 411 [GB], Arvidsson... 54 [GB], Arvidsson... 161 [GB], Arvidsson... 531 [GB], Arvidsson... 563 [GB], Arvidsson... 1876 [GB], Arvidsson... 1282 [GB], Arvidsson... 966 [GB], Lindström... 2247 [GB], Arvidsson... 694 [GB], Arvidsson... 6382 [GB], Arvidsson... 6287 [GB], Arvidsson... 2282 [GB], Arvidsson... 3831 [GB], Arvidsson... 3802 [GB], Lindström... 2113 [GB], Lindström... 6796 [GB], Holm-Nielsen... 6966 [GB], J. Etayo 17286 [hb. Etayo], Etayo, J. 25935 [hb. Etayo]

Leucodermia vulgaris (Vain.) Kalb v

[*Anaptychia leucomelos var. vulgaris* Vain., *Anaptychia vulgaris* (Vain.) Kurok., *Heterodermia vulgaris* (Vain.) Follmann & Redón]
parasitized by *Xenonectriella vertebrata*, source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Mandl (2007); Arvidsson... 2052 [GB], Arvidsson... 2197 [GB], Arvidsson... 3058 [GB], Andersson... 443 [GB], Arvidsson... 3696 [GB], Lindström... 2091 [GB], Lindström... 2348 [GB], Arvidsson... 1284 [GB], Andersson, Lennart 1000 [GB], Etayo, J. 19998 [hb. Etayo], Etayo, J. 20039 [hb. Etayo], Etayo, J. 25680 [hb. Etayo], Etayo, J. 25936 [hb. Etayo], Etayo, J. 27016 [hb. Etayo]

Lichenobarya

Lichenobarya usneae (Etayo) Etayo, Diederich & Lawrey v

[*Neobarya usneae* Etayo]
* = lichenicolous fungi (parasites on living lichens); on red species of *Usnea* sp., source: Etayo (2017); J. Etayo 17279 [hb. Etayo], Etayo, J. 19969 [hb. Etayo]

Lichenochora

Lichenochora bacidiispora Etayo v

* = lichenicolous fungi (parasites on living lichens); on *Parmotrema* sp., Holotype QCA, Etayo 25361, source: Etayo (2017); J. Etayo 25361 [hb. Etayo]

Lichenochora chimaerica Etayo v

* = lichenicolous fungi (parasites on living lichens); on *Pertusaria* sp., Holotype QCA, Etayo 26020, source: Etayo (2017); Ekman (1996); Etayo, J. 20007 [hb. Etayo], Etayo, J. 26020 [hb. Etayo]

Lichenochora galligena R. Sant. & Hafellner v

* = lichenicolous fungi (parasites on living lichens); on *Physcia* sp., source: Etayo (2017), van den Boom et al. (2022); Etayo, J. 26336 [hb. Etayo], Etayo, J. 26360 [hb. Etayo]

Lichenochora tertia Etayo, Flakus & Rodr. Flakus v

* = lichenicolous fungi (parasites on living lichens); on *Xanthoria elegans*, source: Etayo (2017)

Lichenoconium

Lichenoconium cargillianum (Linds.) D. Hawksw. v

[*Microthelia cargilliana* Linds.]
* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp., *Ramalina celastri*, *Ramalina* sp., and *Xanthoparmelia* sp., source: Etayo (2017); Etayo, J. 20069 [hb. Etayo], J. Etayo 25350 [hb. Etayo], Etayo, J. 25491 [hb. Etayo], J. Etayo 25555 [hb. Etayo], J. Etayo 25577 [hb. Etayo], J. Etayo 26674 [hb. Etayo]

Lichenoconium echinosporum D. Hawksw. v

* = lichenicolous fungi (parasites on living lichens); on *Heterodermia* spp. & *Leucodermia leucomelos*, source: Etayo (2017; as *L.* cf. *echinosporum*); Etayo, J. 19938 [hb. Etayo], Etayo, J. 20093 [hb. Etayo], Etayo, J. 20117 [hb. Etayo], Etayo, J. 25459 [hb. Etayo]

Lichenoconium erodens M.S. Christ. & D. Hawksw. v

* = lichenicolous fungi (parasites on living lichens); on corticolous species of *Usnea* sp., *Hypotrachyna* sp., and *Parmotrema* sp., source: Etayo (2017), van den Boom et al. (2022); J. Etayo 25332 [hb. Etayo], Etayo, J. 25377 [hb. Etayo], Etayo, J. 26414 [hb. Etayo], J. Etayo 17235 [hb. Etayo], J. Etayo 26669 [hb. Etayo], J. Etayo 26679 [hb. Etayo]

Lichenoconium lecanorae (Jaap) D. Hawksw. v

[*Coniosporium lecanorae* Jaap, *Coniothyrium lecanoracearum* Vouaux, Bull. Soc. mycol. Fr. 30(3): 293 (1914), *Lichenoconium lecanoracearum* (Vouaux) Petr. & Syd.]
Etayo, J. 25507 [hb. Etayo]

Lichenoconium usneae (Anzi) D. Hawksw. v

[*Coniothyrium imbricariae* Allesch., *Coniothyrium jaapii* Died., *Coniothyrium usneae* (Anzi) Vouaux, *Epicoccum usneae* Anzi, *Lichenoconium imbricariae* (Allesch.) Keissl., *Lichenoconium jaapii* (Died.) Petr. & Syd.]
* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp., *Lecanora* gr. *varia*, *Punctelia rudecta* & on *Abrothallus* sp. on *Usnea* sp., source: Etayo (2017); Etayo, J. 20111 [hb. Etayo], Etayo, J. 25437 [hb. Etayo], Etayo, J. 25482 [hb. Etayo], Etayo, J. 26998 [hb. Etayo]

Lichenoconium xanthoriae M.S. Christ. v

J. Etayo 25579 [hb. Etayo], J. Etayo 25597 [hb. Etayo]

Lichenodiplis

Lichenodiplis lecanorae (Vouaux) Dyko & D. Hawksw. v

[*Microdiplodia lecanorae* Vouaux, *Pharcidia cerinaria* (Mudd) Sacc., *Sphaeria cerinaria* Mudd, *Tichothecium cerinarium* (Mudd) Berl. & Voglino]
* = lichenicolous fungi (parasites on living lichens); on *Caloplaca* sp. and *Pertusaria* sp., source: Etayo (2017); J. Etayo 17247 [hb. Etayo], Etayo, J. 20075 [hb. Etayo], J. Etayo 25360 [hb. Etayo]

Lichenohendersonia

Lichenohendersonia uniseptata Etayo & Calat.

* = lichenicolous fungi (parasites on living lichens); on *Punctelia stictica*, source: Etayo (2017); Etayo, J. 25673 [hb. Etayo]

Lichenomphalia

Lichenomphalia hudsoniana (H. S. Jenn.) Redhead, Lutzoni, Moncalvo & Vilgalys

[*Botrydina viridis* (Ach.) Redhead & Kuyper, *Coriscium viride* (Ach.) Vain., *Dermatocarpon viride* (Ach.) W. Mann, *Endocarpon laetevirens* (Borrer) Taylor, *Endocarpon viride* Ach., *Lenormandia laetevirens* (Borrer) Nyl., *Lenormandia viridis* (Ach.) Arnold, *Normandina laetevirens* (Borrer) Nyl., *Normandina viridis* (Ach.) Nyl., *Omphalina hudsoniana* (H. S. Jenn.) H. E. Bigelow, *Omphalina luteolilacina* (J. Favre) D.M. Hend., *Phytoconis viridis* (Ach.) Redhead & Kuyper]

* = lichenicolous fungi (parasites on living lichens); on *Sticta* sp., *Peltigera* sp., and *Lobariella subexornata*, source: Etayo (2017; cited as "*Corsicum viride*", i.e., in quotation marks)

Lichenopeltella

Lichenopeltella communis Etayo

* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp. & *Everniastrum* sp., source: Etayo (2017); Etayo, J. 17290 [hb. Etayo], Etayo, J. 17336 [hb. Etayo], J. Etayo 19909 [hb. Etayo], J. Etayo 19914 [hb. Etayo], Etayo, J. 19975 [hb. Etayo], Etayo, J. 19979 [hb. Etayo], Etayo, J. 20021 [hb. Etayo], Etayo, J. 20056 [hb. Etayo], Etayo, J. 20060 [hb. Etayo], Etayo, J. 20163 [hb. Etayo], Etayo, J. 25387 [hb. Etayo], Etayo, J. 25392 [hb. Etayo], Etayo, J. 25393 [hb. Etayo], Etayo, J. 25517 [hb. Etayo], Etayo, J. 25649 [hb. Etayo], Etayo, J. 25858 [hb. Etayo], Etayo, J. 25927 [hb. Etayo], J. Etayo 26299 [hb. Etayo], Etayo, J. 26416 [hb. Etayo], Etayo, J. 26990 [hb. Etayo], Etayo, J. 26992 [hb. Etayo], Etayo, J. 27007 [hb. Etayo], Etayo, J. 17287 [hb. Etayo], Etayo, J. 20095 [hb. Etayo], Etayo, J. & Palice, Z. 27007 [QCAM]

Lichenopeltella epiphylla R. Sant., 1988

* = lichenicolous fungi (parasites on living lichens); on *Porina* sp., source: Lücking (1999), Lücking & Matzer (2001)

Lichenopeltella heterodermiae Diederich

* = lichenicolous fungi (parasites on living lichens); on *Heterodermia* spp. & *Leucodermia leucomelos*, source: Etayo (2017); Etayo, J. 20110 [hb. Etayo], Etayo, J. 25431 [hb. Etayo], J. Etayo 25543 [hb. Etayo]

Lichenopeltella heterodermiicola M. S. Cole & D. Hawksw.

* = lichenicolous fungi (parasites on living lichens); on *Heterodermia antillarum*, *H. lutescens*, *H. galactophylla*, and other *Heterodermia* species, source: Etayo (2017); Etayo, J. 25479 [hb. Etayo], Etayo, J. 26357 [hb. Etayo], Etayo, J. & Palice, Z. 20041 [QCAM]

Lichenopeltella heterodermiicola subsp. endothallina Etayo

* = lichenicolous fungi (parasites on living lichens); on *Heterodermia* sp., Holotype QCA, Etayo 20041, source: Etayo (2017); Etayo, J. 20041 [hb. Etayo]

Lichenopeltella hypotrachynae Diederich

* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp., source: Etayo (2017); Etayo, J. 19930 [hb. Etayo]

Lichenopeltella leptogii Diederich

* = lichenicolous fungi (parasites on living lichens); on *Leptogium azureum* & *Leptogium* sp., source: Etayo (2017); Etayo, J. 20000 [hb. Etayo], Etayo, J. 20025 [hb. Etayo], J. Etayo 26406 [hb. Etayo]

Lichenopeltella lobariae Etayo & Diederich

* = lichenicolous fungi (parasites on living lichens); on *Sticta weigelii* & *Sticta* sp., source: Etayo (2017); Etayo, J. 20160 [hb. Etayo], Etayo, J. 25839 [hb. Etayo]

Lichenopeltella microspora Diederich

* = lichenicolous fungi (parasites on living lichens); on *Sticta* sp. & *Sticta weigelii* , source: Etayo (2017); J. Etayo 19910 [hb. Etayo], Etayo, J. 20105 [hb. Etayo], Etayo, J. 20132 [hb. Etayo], Etayo, J. 26359 [hb. Etayo]

Lichenopeltella minuta R. Sant.

* = lichenicolous fungi (parasites on living lichens); on *Marchandiomphalina foliacea*, source: Etayo (2017), Santesson (1989)

Lichenopeltella ramalinae Etayo & Diederich

* = lichenicolous fungi (parasites on living lichens); on *Ramalina* sp., source: Etayo (2017); J. Etayo 25339 [hb. Etayo], Etayo, J. 25649 [hb. Etayo]

Lichenopeltella thalamica Etayo, Flakus & Kukwa

* = lichenicolous fungi (parasites on living lichens); on *Pseudocyphellaria arvidssonii*, *P. aurata*, & *P. clathrata*, Holotype QCA, Etayo 17234, source: Etayo (2017); J. Etayo 17234 [hb. Etayo], Etayo, J. 19929 [hb. Etayo], J. Etayo 25589 [hb. Etayo], Etayo, J. 25624 [hb. Etayo], Etayo, J. 25682 [hb. Etayo], Etayo, J. 25823 [hb. Etayo], Etayo, J. 26327 [hb. Etayo]

Lichenopeltella thamnoliae R. Sant.

* = lichenicolous fungi (parasites on living lichens); on *Thamnolia vermicularis* & *Thamnolia subbuliformis*, source: Etayo (2017)

Lichenopenicillus

Lichenopenicillus versicolor Etayo

* = lichenicolous fungi (parasites on living lichens); on *Sticta* sp. & *Leptogium* sp., Holotype QCA, Etayo 25675, source: Etayo (2017); Etayo, J. 25675 [hb. Etayo]

Lichenostigma

Lichenostigma cosmopolites Hafellner & Calat.

* = lichenicolous fungi (parasites on living lichens); on *Xanthoparmelia* sp., source: Etayo (2017), van den Boom et al. (2022); J. Etayo 25590 [hb. Etayo], Etayo, J. 25666 [hb. Etayo]

Lichenostigma maureri Hafellner

[*Abrothallus usneae auct.* non Rabenh., *Phaeosporobolus usneae* D. Hawksw. & Hafellner]

* = lichenicolous fungi (parasites on living lichens); on *Usnea* sp., *Usnea rubicunda*, *Alectoria ochroleuca*, *Alectoria sarmentosa* & *Ramalina peruviana*, source: Etayo (2017); Etayo, J. 17288 [hb. Etayo], Etayo, J. 20071 [hb. Etayo], Etayo, J. 20072 [hb. Etayo], Etayo, J. 20178 [hb. Etayo], J. Etayo 25342 [hb. Etayo], Etayo, J. 25447 [hb. Etayo], Etayo, J. 25448 [hb. Etayo], Etayo, J. 25471 [hb. Etayo]

Lichenotubeufia

Lichenotubeufia boomiana Etayo

* = lichenicolous fungi (parasites on living lichens); on *Sticta fuliginosa* & *Sticta* sp., Holotype QCA, Etayo 26982, source: Etayo (2017); Etayo, J. 19966 [hb. Etayo], Etayo, J. 26982 [hb. Etayo], Etayo, J. & Palice, Z. 26982 [QCAM]

Lichenotubeufia eriodermatis (Etayo) Etayo

[*Tubeufia eriodermatis* Etayo]

* = lichenicolous fungi (parasites on living lichens); on *Sticta fuliginosa*, source: Etayo (2017)

Lichenotubeufia heterodermiae (Etayo) Etayo

[*Tubeufia heterodermiae* Etayo]

* = lichenicolous fungi (parasites on living lichens); on *Porina subepiphylla*, *Heterodermia* sp., *Heterodermia leucomelos* & *Physcia* sp., source:

Etayo (2017), van den Boom et al. (2022); J. Etayo 17253 [hb. Etayo], Etayo, J. 19932 [hb. Etayo], Etayo, J. 25531 [hb. Etayo]

Lichenotubeufia pannariae (Etayo) Etayo

[*Tubeufia pannariae* Etayo]
source: Etayo (2017)

Lichenotubeufia tafallae Etayo

* = lichenicolous fungi (parasites on living lichens); on *Porina subepiphylla*, *Leptogium* sp., Holotype QCA, Etayo 20150, source: Etayo (2017); Etayo, J. 20150 [hb. Etayo]

Lithothelium

Lithothelium fluorescens Aptroot & Sipman

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 5406 [CDS], Bungartz, F. 3640 [CDS], Bungartz, F. 9088 [CDS], Bungartz, F. 9129 [CDS], Aptroot, A. 64431 [CDS], Bungartz, F. 9791 [CDS]

Lithothelium illotum (Nyl.) Aptroot

[*Plagiocarpa illota* (Nyl.) R.C. Harris, *Plagiocarpa langloissi* R.C. Harris 1980, *Pseudopyrenula illota* (Nyl.) Vain., *Verrucaria diluta* Nyl. nom. illegit.]
source: Benítez et al. (2019); Aptroot, A. 63058 [CDS], Yánez-Ayabaca, A. 1731B [CDS]

Lithothelium microsporum R.C. Harris

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, F. Bungartz & R. Miranda: Galapagos material of this species erroneously referred to as *L. obtectum* by Aptroot (2006), source: Aptroot (2006; as *Lithothelium obtectum*); Bungartz, F. 3690 [CDS]

Lithothelium obtectum (Müll.Arg.) Aptroot

[*Arthopyrenia obtecta* (Müll.Arg.) Müll.Arg., *Astrothelium africanum* Zahlbr., *Sagedia obtecta* Müll.Arg., *Verrucaria obtecta* Müll.Arg.]
source: Aptroot (1991), Cevallos Solórzano (2012); R. C. Harris 17877 [NY], A. Aptroot 11203 [NY]

Llimoniella

Llimoniella bergeriana Etayo

* = lichenicolous fungi (parasites on living lichens); on *Porina subepiphylla*, *Punctelia* sp., Holotype QCA, Etayo 17248, source: Etayo (2017); J. Etayo 17248 [hb. Etayo], Etayo, J. 17248 [QCAM]

Llimoniella parmotrematis Etayo

* = lichenicolous fungi (parasites on living lichens); on *Parmotrema* sp., Holotype QCA, Etayo 28576, source: Etayo (2017); J. Etayo 28576 [hb. Etayo], Etayo, J. 28576 [QCAM]

Llimoniella placopsidis Diederich & Fryday

* = lichenicolous fungi (parasites on living lichens); on *Placopsis gelida*, source: Etayo (2017)

Lobaria

Lobaria pulmonaria (L.) Hoffm.

[*Dermatodea pulmonaria* (L.) A. St.-Hil., *Lichen pulmonarius* L., *Lobaria pulmonacea* (Ach.) Shirley, *Lobaria pulmonaria f. hypomela* (Delise) Cromb., *Parmelia pulmonacea* Ach., *Parmelia pulmonaria* (L.) Spreng., *Platysma pulmonarium* (L.) Frege, *Pulmonaria reticulata* Hoffm., *Sticta pulmonacea* (Ach.) Ach., *Sticta pulmonacea var. hypomela* Delise, *Sticta pulmonacea var. papillaris* Delise, *Sticta pulmonacea var. pleurocarpa* Ach., *Sticta pulmonacea var. pulmonacea* (Ach.) Ach., *Sticta pulmonaria* (L.) Biroli, *Sticta pulmonaria f. pulmonaria* (L.) Biroli, *Sticta pulmonaria var. hypomela* (Delise) Duby]
parasitized by *Capronia solitaria*, problematic, only cited as host lichen in Etayo (2012), source: Etayo (2017)

Lobariella

Lobariella botryoides (Yoshim. & Arv.) Moncada & Lücking

[*Durietzia botryoides* (Yoshim. & Arv.) Yoshim., *Lobaria botryoides* Yoshim. & Arv.]
Holotype GB, Arvidsson, Linqvist & Lindström 6072, source: Yoshimura & Arvidsson (1994), Jørgensen & Arvidsson (2004), Moncada et al. (2013); Arvidsson, L.... 6072 [GB], Etayo, J. 17328 [hb. Etayo], Etayo, J. 17338 [hb. Etayo], Etayo, J. 25709 [hb. Etayo], Etayo, J. 26272 [hb. Etayo], Etayo, J. 26976 [hb. Etayo], Etayo, J. 27027 [hb. Etayo]

Lobariella corallophora (Yoshim.) B. Moncada & Lücking

[*Lobaria exornata var. corallophora* Yoshim.]
source: Yoshimura & Arvidsson (1994)

Lobariella crenulata (Hook. in Kunth) Yoshim.

[*Durietzia crenulata* (Hook.) Yoshim., *Lobaria crenulata* (Hook.) Trev., *Lobaria crenulata var. crenulata* (Hook. f.) Trevis., *Myelochroa crenulata* (J.D. Zhao) Hale ex DePriest & B.W. Hale, *Parmelia crenulata* Hook. f., *Parmelina crenulata* (J.D. Zhao) J.C. Wei, *Ricasolia crenulata* Nyl., *Sticta crenulata* (Hook. f.) Delise]
parasitized by *Cornutispora ophiurospora, Tremella lobariacearum, Nectriopsis curtiseta, Ovicuculispora parmeliae, Unguculariopsis lobariella*, *Xenonectriella rugulatispora*, *Tremella lobariacearum*, and *Bulbilla applanata*, source: Leighton (1866; as *Ricasolia crenulata*), Návas (1908; as *Ricasolia crenulata*), Yoshimura & Arvidsson (1994), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Benítez et al. (2012, 2015), Benítez (2016), Etayo (2017); Benítez, A. 273 [HUTPL], Etayo, J. 19939 [hb. Etayo], Etayo, J. 20121 [hb. Etayo], Etayo, J. 20124 [hb. Etayo], Etayo, J. 20127 [hb. Etayo], Etayo, J. 20148 [hb. Etayo], Etayo, J. 20164 [hb. Etayo], Etayo, J. 25429 [hb. Etayo], J. Etayo 25553 [hb. Etayo], J. Etayo 25569 [hb. Etayo], Etayo, J. 25677 [hb. Etayo], Etayo, J. 25759 [hb. Etayo], Etayo, J. 25800 [hb. Etayo], Etayo, J. 25837 [hb. Etayo], Etayo, J. 25886 [hb. Etayo], Etayo, J. 25896 [hb. Etayo], Etayo, J. 26332 [hb. Etayo], Etayo, J. 26338 [hb. Etayo]

Lobariella exornata (Zahlbr.) Yoshim.

[*Durietzia exornata* (Zahlbr.) Yoshim., *Lobaria crenulata var. exornata* Zahlbr., *Lobaria exornata* (Zahlbr.) Yoshim., *Lobaria exornata var. exornata* (Zahlbr.) Yoshim.]
source: Yoshimura & Arvidsson (1994), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Benítez et al. (2012, 2015); López, A. 202 [CDS], Benítez, A. 274 [HUTPL], Etayo, J. 25809 [hb. Etayo], Etayo, J. 25826 [hb. Etayo], Etayo, J. 26350 [hb. Etayo]

Lobariella pallida (Hook.) B. Moncada & Lücking

[*Durietzia pallida* (Hook. f.) Yoshim., *Lobaria fulvella* (Taylor) C. W. Dodge, *Lobaria pallida* (Hook. f.) Trevis., *Parmelia fulvella* Taylor, *Ricasolia pallida* (Hook. f.) Nyl., *Sticta pallida* Hook. f.]
parasitized by *Arthonia lobariellae*, *Cornutispora ophiurospora*, *Dactylospora lobariella*, *Niesslia stictarum*, *N. stictarum* ssp. *nuda*, *Xenonectriella rugulatispora*, *Epithamnolia rugosopycnidiata*, *Tremella lobariacearum*, and *Trichonectria setadpressa*, Holotype BM, Hooker s.n., source: Yoshimura & Arvidsson (1994), Nöske & Sipman (2004), Nöske et al. (2007), Benítez et al. (2012, 2015), Moncada et al. (2013), Flakus et al. (2019), Etayo (2017); Benítez, A. 275 [HUTPL], Alfredo Bernard [S], Richard C. Harris 17514 [S], J. Etayo 17258 [hb. Etayo], Etayo, J. 19953 [hb. Etayo], Etayo, J. 20106 [hb. Etayo], Etayo, J. 20135 [hb. Etayo], Etayo, J. 20166 [hb. Etayo], J. Etayo 20172 [hb. Etayo], Etayo, J. 25472 [hb. Etayo], Etayo, J. 25535 [hb. Etayo], J. Etayo 25553 [hb. Etayo], Etayo, J. 25628 [hb. Etayo], Etayo, J. 25694 [hb. Etayo], Etayo, J. 25708 [hb. Etayo], Etayo, J. 25810 [hb. Etayo], Etayo, J. 25818 [hb. Etayo], Etayo, J. 25897 [hb. Etayo], Etayo, J. 25992 [hb. Etayo], Etayo, J. 26006 [hb. Etayo], Etayo, J. 26249 [hb. Etayo], J. Etayo 26683 [hb. Etayo], Etayo, J. 26683 [QCAM]

Lobariella sipmanii B. Moncada, Betanc. & Lücking

Etayo, J. 27027 [hb. Etayo]

Lobariella subexornata (Yoshim.) Yoshim.

[*Durietzia subexornata* (Yoshim.) Yoshim., *Lobaria subexornata* Yoshim.]
parasitized by *Roselliniella ramirezii, Trichonectria setadpressa, Tremella lobariacearum* & *Athelia arachnoidea*, source: Yoshimura & Arvidsson

(1994), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Mandl (2007), Etayo (2017), Chuquimarca et al. (2019); Etayo, J. 19947 [hb. Etayo], Etayo, J. 19986 [hb. Etayo], Etayo, J. 20136 [hb. Etayo], Etayo, J. 20162 [hb. Etayo], Etayo, J. 25627 [hb. Etayo], Etayo, J. 25639 [hb. Etayo], Etayo, J. 25718 [hb. Etayo], Etayo, J. 25741 [hb. Etayo], Etayo, J. 25782 [hb. Etayo], Etayo, J. 25915 [hb. Etayo], Etayo, J. 26318 [hb. Etayo], Etayo, J. 26350 [hb. Etayo], J. Etayo 26672 [hb. Etayo], Etayo, J. 26672 [QCAM]

Loflammia

Loflammia epiphylla (Fée) Lücking & Vězda

[*Calopadia epiphylla* (Fée) Vězda, *Lecanora epiphylla* Fée, *Loflammia flammea* (Müll.Arg.) Vězda, *Lopadium flammeum* Müll.Arg.]
source: Lücking (1999, 2008), van den Boom et al. (2022); Bungartz, F. 8630 A [CDS], Bungartz, F. 8629 A [CDS], Bungartz, F. 8627 A [CDS]

Loflammia gabrielis (Müll.Arg.) Vězda

[*Bacidia gabrielis* (Müll.Arg.) Zahlbr., *Bilimbia gabrielis* (Müll. Arg.) Szatala, *Patellaria gabrielis* Müll.Arg.]
source: Lücking (1999, 2008)

Logilvia

Logilvia gilva (Müll.Arg.) Vězda

[*Lopadium gilvum* Müll.Arg.]
source: Lücking (1999, 2008)

Lopezaria

Lopezaria versicolor (Fée) Kalb & Hafellner

[*Bacidia versicolor* (Nyl.) Trevis., *Biatora versicolor* (Nyl.) Mont. & Van den Bosch, *Biatorina versicolor* (Nyl.) Hellb., *Catinaria versicolor* (Fée) Sipman, *Heterothecium versicolor* (Nyl.) Flot., *Megalaria versicolor* (Flotow) Fryday & Lendemer, *Megalospora versicolor* (Fée) Zahlbr., *Megalospora versicolor var. argyrodes* (Vain.) Zahlbr., *Megalospora versicolor var. incondita* (Kremp.) Vain., *Megalospora versicolor var. microcarpa* Zahlbr., *Megalospora versicolor var. versicolor* (Fée) Zahlbr., *Patellaria versicolor* (Nyl.) Müll.Arg.]
parasitized by *Opegrapha lopezariae*, source: Nöske et al. (2007), Nöske & Sipman (2004), Benítez et al. (2015), Benítez (2016), Etayo (2017), van den Boom et al. (2022); K. Kalb 19441 [WIS], K. Kalb 18490 [WIS], K. Kalb 19270 [WIS], K. Kalb 18329 [WIS], K. Kalb 18346 [WIS], K. Kalb 18428 [WIS], K. Kalb 18513 [WIS], K. Kalb 19277 [WIS], K. Kalb 18467 [WIS], K. Kalb 18853 [WIS], K. Kalb 19388 [WIS], Arvidsson... 417 [GB], Arvidsson... 5443 [GB], Arvidsson... 6822 [GB], Aridsson, Lars et al. 7235 [GB], Andersson, Lennart et al. 496 [GB], Arvidsson... 1888 [GB], Lindström... 2297 [GB], Andersson, Lennart 612 [GB], Andersson, Lennart 720 [GB], Arvidsson... 3062 [GB], Arvidsson... 3243 a [GB], Arvidsson... 3516 [GB], Arvidsson... 4365 [GB]

Lyromma

Lyromma nectandrae Bat. & H. Maia

source: Lücking (1999,2008), Lücking & Matzer (2001)

Lyromma ornatum Lücking, Kalb & Sérus.

source: Lücking & Matzer (2001), Lücking (1999, 2008)

Malcolmiella

Malcolmiella gyalectoides (Vain.) Cáceres & Lücking

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 280 [HUTPL]

Malmidea

Malmidea badimioides (M. Cáceres & Lücking) M. Cáceres & Kalb

[*Malcolmiella badimioides* Cáceres & Lücking]
source: Lücking (2008)

Malmidea furfurosa (Tuck. ex Nyl.) Kalb & Lücking

[*Biatora furfurosa* (Tuck. ex Nyl.) Tuck., *Malcolmiella furfurosa* (Tuck. ex Nyl.) Cáceres & Lücking]
source: Fernández-Prado et al. (2022); Klara Scharnagl 1888 [MSC], Klara Scharnagl 2121 [MSC]

Malmidea fuscella (Müll. Arg.) Kalb & Lücking

[*Lecidea fuscella* Müll.Arg., *Malcolmiella fuscella* (Müll. Arg.) Cáceres & Lücking]
source: Benítez et al. (2015), Benítez (2016), van den Boom et al. (2022); Benítez, A. 277 [HUTPL], Benítez, A. 278 [HUTPL], Benítez, A. 279 [HUTPL]

Malmidea granifera (Ach.) Kalb, Rivas Platas & Lumbsch

[*Huilia granifera* (Ach.) Kr.P. Singh, *Lecanora granifera* Ach., *Lecidea granifera* (Ach.) Vain., *Lecidea granifera var. granifera* (Ach.) Vain., *Malcolmiella granifera* (Ach.) Kalb & Lücking]
source: Lücking (2008); Klara Scharnagl 1822b [MSC], Klara Scharnagl 1985 [MSC]

Malmidea hypomelaena (Nyl.) Kalb & Lücking

[*Biatora hypomela* (Nyl.) Tuck., *Lecidea hypomelaena* Nyl., *Lecidea hypomelaena f. hypomelaena* Nyl., *Lecidea hypomelaena var. hypomelaena* Nyl., *Malcolmiella hypomelaena* (Nyl.) Cáceres & Lücking]
source: van den Boom et al. (2022; as *Malmidea hypomela*)

Malmidea leptoloma (Müll. Arg.) Kalb & Lücking

[*Biatora leptoloma* (Müll. Arg.) Hellb., *Lecidea leptoloma* Müll.Arg., *Malcolmiella leptoloma* (Müll. Arg.) Cáceres & Lücking]
source: van den Boom et al. (2022)

Malmidea nigromarginata (Malme) Lücking & Breuss

[*Lecidea nigromarginata* Malme, *Lecidea nigromarginata var. nigromarginata* Malme]
Klara Scharnagl 1933 [MSC]

Malmidea perisidiata (Malme) Kalb & Lücking

[*Lecidea piperis var. perisidiata* Malme, *Malcolmiella perisidiata* (Malme) Cáceres & Lücking]
Klara Scharnagl 1999 [MSC]

Malmidea perplexa Kalb

Klara Scharnagl 1997 [MSC]

Malmidea piperis (Sprengel) Kalb, Rivas Plata & Lumbsch

[*Biatora piperis* (Spreng.) Räsänen, *Biatora piperis f. piperis* (Spreng.) Räsänen, *Lecanora piperis* Spreng., *Lecidea piperis* (Spreng.) Nyl., *Lecidea piperis f. piperis* (Spreng.) Nyl., *Lecidea piperis var. piperis* (Spreng.) Nyl., *Malcolmiella piperis* (Spreng.) Kalb & Lücking]
source: Fernández-Prado et al. (2022), van den Boom et al. (2022)

Malmidea polycampia (Tuck.) Kalb & Lücking

[*Lecidea polycampia* Tuck., *Malcolmiella flavopustulosa* Cáceres & Lücking, *Malmidea flavopustulosa* (M. Cáceres & Lücking) M. Cáceres & Kalb]
Klara Scharnagl 2014 [MSC], Klara Scharnagl 2044 [MSC]

Malmidea psychotrioides (Kalb & Lücking) Kalb, Rivas Plata & Lumbsch

[*Malcolmiella psychotrioides* Kalb & Lücking]

source: Lücking (1999, 2008), Lücking & Matzer (2001), Fernández-Prado et al. (2022); Klara Scharnagl 2108 [MSC], Klara Scharnagl 2116 [MSC]

Malmidea rhodopsis (Tuck.) Kalb, Rivas Plata & Lumbsch

[*Biatora rhodopis* Tuck., *Biatora rhodopsis* Tuck., *Malcolmiella rhodopsis* (Tuck.) Kalb & Lücking, *Malmidea rhodopis* (Tuck.) Kalb, Rivas Plata & Lumbsch]
source: Benítez et al. (2015); Benítez, A. 282 [HUTPL]

Malmidea vinosa (Eschw.) Kalb, Rivas Plata & Lumbsch

[*Lecidea vinosa* Eschw., *Malcolmiella vinosa* (Eschw.) Kalb & Lücking]
source: Fernández-Prado et al. (2022)

Maronea

Maronea constans (Nyl.) Hepp

[*Acarospora constans* (Nyl.) H. Olivier, *Lecanora constans* Nyl., *Maronea carolinae* H. Magn., *Maroneomyces constantis* Cif. & Tomas., *Rinodina constans* (Nyl.) Tuck.]
source: Benítez et al. (2015), Benítez (2016); K. Kalb & A. Kalb 1987-08-26 [UPS], K. Kalb, A. Kalb 1987-08-26 [O], Benítez, A. 283 [HUTPL]

Massalongia

Massalongia carnosa (Dickson) Körb.

[*Biatora carnosa* (Dicks.) Rabenh., *Lecanora carnosa* (Dicks.) Hook. f., *Lecanora muscorum* Ach., *Lecidea carnosa* (Dicks.) Sommerf., *Lecidea carnosa var. carnosa* (Dicks.) Sommerf., *Lecidea carnosa var. lepidota* Sommerf., *Lichen carnosus* Dicks., *Massalongia carnosa f. muscorum* (Ach.) Gyeln., *Massalongia carnosa var. determinata* (Nyl.) A.L. Sm., *Pannaria carnosa* (Dicks.) Rabenh., *Pannaria muscorum* (Ach.) Delise, *Pannaria muscorum f. meizospora* Harm., *Pannaria muscorum f. muscorum* (Ach.) Delise, *Pannaria muscorum var. determinata* Nyl., *Pannaria muscorum var. muscorum* (Ach.) Delise, *Pannularia carnosa* (Dicks.) Cromb., *Pannularia muscorum* (Ach.) Stizenb., *Parmelia carnosa* (Dicks.) Schaer., *Parmelia muscorum* (Ach.) Fr., *Parmeliella muscorum* (Ach.) Müll.Arg., *Psora carnosa* (Dicks.) Hoffm., *Psoroma muscorum* (Ach.) Gray, *Racoblenna carnosa* (Dicks.) Trevis., *Squamaria muscorum* (Ach.) Hook., *Zeora muscorum* (Ach.) Flot.]
Etayo, J. 27022 [hb. Etayo]

Mazosia

Mazosia carnea (Eckfeldt) Aptroot & M. Cáceres

[*Enterographa carnea* (Eckfeldt) R.C. Harris, *Ocellularia carnea* (Eckfeldt) Zahlbr., *Thelotrema carneum* Eckfeldt]
source: Benítez (2016), Benítez et al. (2019); Benítez, A. 45 [HUTPL]

Mazosia dispersa (J. Hedrick) R. Sant.

[*Calenia dispersa* J. Hedrick]
source: Lücking (1999, 2008), van den Boom et al. (2022)

Mazosia longispora Lücking & Matzer

source: Lücking (1999, 2008)

Mazosia melanophthalma (Müll.Arg.) R. Sant.

[*Opegrapha melanophthalma* Müll.Arg., *Platygrapha melanophthalma* (Müll. Arg.) Müll. Arg.]
source: Lücking (1999, 2008), Nöske et al. (2007), Déleg et al. (2021)

Mazosia paupercula (Müll.Arg.) R. Sant.

[*Lecanactis paupercula* (Müll.Arg.) Zahlbr., *Opegrapha paupercula* Müll.Arg.]
source: Déleg et al. (2021)

Mazosia phyllosema (Nyl.) Zahlbr.

[*Platygrapha phyllosema* Nyl.]
parasitized by *Keratosphaera batistae*, source: Lücking (1999, 2008), Etayo (2017), van den Boom et al. (2022)

Mazosia pilosa Kalb & Vězda

source: Lücking (1999, 2008)

Mazosia praemorsa (Stirt.) R. Sant.

[*Platygrapha praemorsa* Stirt.]
source: Lücking (1999, 2008)

Mazosia pseudobambusae Kalb & Vězda

source: Lücking (1999, 2008)

Mazosia rotula (Mont.) A. Massal.

[*Chiodecton rotula* (Mont.) Vain., *Opegrapha rotula* (Mont.) Müll.Arg., *Opegrapha rotula var. rotula* (Mont.) Müll.Arg., *Phyllocharis rotula* (Mont.) Trevis., *Platygrapha rotula* (Mont.) Stirt., *Platygrapha rotula f. rotula* (Mont.) Stirt., *Strigula rotula* Mont.]
source: Lücking (1999, 2008), Lücking & Matzer (2001); Robert Lücking 96-470 [INABIOEC-MECN-QCNE], Robert Lücking 96-919 [INABIOEC-MECN-QCNE], Robert Lücking 96-1148 [INABIOEC-MECN-QCNE], Robert Lücking 96-101 [INABIOEC-MECN-QCNE], Robert Lücking 96-767 [INABIOEC-MECN-QCNE]

Mazosia rubropunctata R. Sant.

parasitized by *Arthonia pseudopegraphina*, source: Lücking (1999, 2008), Etayo (2017)

Mazosia tenuissima Lücking & Matzer

source: Lücking (1999, 2008)

Mazosia tumidula (Müll. Arg.) Zahlbr.

[*Platygrapha tumidula* Stirt. nom. illegit., *Rotula tumidula* Müll. Arg.]
source: Lücking (1999, 2008); R. Lücking 96-952 [WIS], R. Lücking 96-952 [F]

Megalaria

Megalaria bengalensis Jagadeesh, Aptroot, G.P. Sinha & Kr.P. Singh

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Jagadeesh Ram et al. (2007); Bungartz, F. 9371 [CDS], Yánez-Ayabaca, A. 1749 [CDS], Bungartz, F. 9456 [CDS], Bungartz, F. 10121 [CDS], Bungartz, F. 10130 [CDS], Bungartz, F. 9283 [CDS], Bungartz, F. 9332 [CDS], Bungartz, F. 10113 [CDS], Clerc, P. 08-290 [CDS], Aptroot, A. 63313 [CDS], Aptroot, A. 65084 [CDS], Aptroot, A. 63191 [CDS], Bungartz, F. 10071 [CDS], Aptroot, A. 65291 [CDS], Hillmann, G. GAL-16 [CDS]

Megalaria endochroma (Fée) Fryday & Lendemer

[*Catillaria endochroma* (Fée) Zahlbr., *Catillochroma endochroma* (Fée) Kalb [orthographic error], *Catillochroma endochromum* (Fée) Kalb, *Lecanora endochroma* Fée, *Lecidea endochroma* (Fée) Nyl.]
K. Kalb 19263 [WIS], Arvidsson, Lars et al. 6445 [GB], Arvidsson, Lars et al. 6446 [GB], Arvidsson... 424 [GB], Andersson, Lennart 770 [GB]

Megalaria grossa (Pers. ex Nyl.) Hafellner

[*Biatora grossa* (Pers. ex Nyl.) G. Merr., *Biatorina grossa* (Pers. ex Nyl.) Mudd, *Bilimbia grossa* (Pers. ex Nyl.) Branth & Rostr., *Catillaria grossa* (Pers. ex Nyl.) Körb., *Catillaria leucoplaca* (DC.) A. Massal., *Catinaria grossa* (Pers. ex Nyl.) Vain., *Catinaria leucoplaca* (DC.) Zahlbr., *Heterothecium grossum* (Pers. ex Nyl.) Tuck., *Lecidea grossa* Pers. ex Nyl., *Megalospora grossa* (Nyl.) Vězda, *Patellaria grossa* (Pers. ex Nyl.) Müll. Arg.]

Arvidsson... 3297 [GB]

Megalaria intermiscens (Nyl.) Fryday & Lendemer

[*Catillaria intermiscens* (Nyl.) Zahlbr., *Catillochroma intermiscens* (Nyl.) Kalb, *Lecidea intermiscens* Nyl., *Patellaria intermiscens* (Nyl.) Müll.Arg.]
K. Kalb 19395 [WIS]

Megalaria pulverea (Borrer) Hafellner & Schreiner

[*Biatorina pulverea* (Borrer) Mudd, *Catillaria pulverea* (Borrer) Lettau, *Catillochroma pulverea* (Borrer) Kalb, *Catinaria pulverea* (Borrer) Vězda & Poelt, *Lecidea pulverea* Borrer, *Patellaria pulverea* (Borrer) Müll. Arg.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2013c); Bungartz, F. 3964 [CDS], Aptroot, A. 64683 [CDS]

Megaloblastenia

Megaloblastenia marginiflexa (Hook. f. & Taylor) Sipman

[*Biatora marginiflexa* (Hook. f. & Taylor) C. Bab., *Blastenia consanguinea* Müll.Arg., *Lecidea consanguinea* (Müll.Arg.) Hue, *Lecidea marginiflexa* Hook. f. & Taylor, *Lecidea marginiflexa var. marginiflexa* Hook. f. & Taylor, *Megalospora marginiflexa* (Hook. f. & Taylor) Zahlbr., *Patellaria marginiflexa* (Hook. f. & Taylor) Müll. Arg.]
source: Nöske et al. (2007)

Megaloblastenia marginiflexa var. dimota (Malme) Sipman

[*Megalospora dimota* Malme]
source: Nöske & Sipman (2004), Nöske et al. (2007)

Megalospora

Megalospora admixta (Nyl.) Sipman

[*Heterothecium admixtum* (Nyl.) A. Massal., *Lecidea admixta* Nyl., *Lopadium admixtum* (Nyl.) Zahlbr.]
source: Nöske & Sipman (2004), Nöske et al. (2007), Benítez et al. (2015), Benítez (2016), Etayo (2017); K. Kalb 18498 [WIS], K. Kalb 19276 [WIS], K. Kalb 18435 [WIS], K. Kalb 18271 [WIS], K. Kalb 18270 [WIS], K. Kalb 19280 [WIS], Benítez, A. 289 [HUTPL]

Megalospora albescens Sipman

source: Fernández-Prado et al. (2022)

Megalospora galapagoensis Bungartz, Ziemmeck & Lücking

endemic to Galapagos, Type: Ecuador. Galápagos: Isla Sán Cristóbal, trail from Cerro Pelado to El Ripioso, 0°52'S, 89°28'W, 392 m, transition zone, *Psidium guajava* forest with some old *Hippomane mancinella* trees and dense understory of *Rubus niveus*, *Tournefortia rufosericea* and *Zanthoxylum fagara*, on bark, S-exposed side of inclined *Hippomane mancinella* trunk (ca. 20 cm in diameter), semi-shaded, wind- and rain-sheltered, August 2008, Bungartz 8516 (CDS 41162 – holotype!, F – isotype!), source: Lumbsch et al. (2011); Truong, C. 1509 [CDS], Herrera-Campos, M.A. 10918 [CDS], Bungartz, F. 3987 [CDS], Bungartz, F. 8516 [CDS], Clerc, P. 08-295 [CDS]

Megalospora melanodermia (Müll.Arg.) Zahlbr.

[*Megalospora melanodermia var. purpurea* Elix, *Patellaria melanodermia* Müll.Arg.]
source: Benítez et al. (2015), Chuquimarca et al. (2019); Benítez, A. 290 [HUTPL]

Megalospora sulphurata Mey. & Flot.

[*Biatora taitensis* Mont., *Blastenia taitensis* (Mont.) Trevis., *Catillaria sulphurata* (Meyen) Vain., *Heterothecium taitense* (Mont.) Mont. & Bosch, *Lecidea sulphurata* (Meyen) Vain., *Lecidea taitensis* (Mont.) Nyl., *Lecidea taitensis var. epiglauca* Nyl., *Lecidea taitensis var. taitensis* (Mont.) Nyl., *Megalospora taitense* (Mont.) Overeem & D. Overeem, *Patellaria sulphurata* (Meyen) Müll. Arg., *Patellaria sulphurata var. sulphurata* (Meyen) Müll. Arg., *Patellaria taitensis* (Mont.) Müll.Arg.]

Megalospora sulphurata var. nigricans (Müll. Arg.) Riddle

[*Megalospora vigilans var. nigricans* (Müll.Arg.) Zahlbr., *Patellaria vigilans var. nigricans* Müll.Arg.]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Benítez et al. (2015), Benítez (2016); Benítez, A. 291 [HUTPL]

Megalospora sulphurata var. sulphurata Meyen

source: Benítez et al. (2015, 2019); Benítez, A. 46 [HUTPL], Benítez, A. 292 [HUTPL]

Megalospora tuberculosa (Fée) Sipman

[*Bacidia pachycarpa* (Delise ex Duby) Trevis., *Bacidia tuberculosa* (Fée) Trevis., *Biatora pachycarpa* (Delise ex Duby) Fr., *Biatora tuberculosa* (Fée) Mont., *Bilimbia pachycarpa* (Delise ex Duby) Boistel, *Bombyliospora incana* A.L. Sm., *Bombyliospora pachycarpa* (Delise ex Duby) A. Massal., *Bombyliospora tuberculosa* (Fée) A. Massal., *Bombyliospora tuberculosa f. geotropa* (Stizenb.) Zahlbr., *Bombyliospora tuberculosa f. tuberculosa* (Fée) A. Massal., *Bombyliospora tuberculosa var. australica* Räsänen, *Bombyliospora tuberculosa var. tuberculosa* (Fée) A. Massal., *Heterothecium tuberculosum* (Fée) Flot., *Heterothecium tuberculosum var. amplficans* (Nyl.) Tuck., *Heterothecium tuberculosum var. tuberculosum* (Fée) Flot., *Lecidea pachycarpa* Fr., *Lecidea tuberculosa* Fée, *Lecidea tuberculosa f. geotropa* Stizenb., *Lecidea tuberculosa f. tuberculosa* Fée, *Lichen incanus* (Hook.) Sm. & Sowerby, *Megalospora pachycarpa* H. Olivier, *Megaspora pachycarpa* (Delise ex Duby) H. Olivier, *Patellaria pachycarpa* Delise ex Duby, *Patellaria tuberculosa* (Fée) Spreng.]
parasitized by *Skyttea megalosporae*, source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Benítez et al. (2015), Benítez (2016), Etayo (2017), van den Boom et al. (2022), Fernández-Prado et al. (2022); Benítez, A. 293 [HUTPL], Etayo, J. 20050 [hb. Etayo], Etayo, J. 25927 [hb. Etayo]

Megaspora

Megaspora verrucosa (Ach.) Arcadia & A. Nordin nom. cons.

[*Amygdalaria verrucosa* (Ach.) Körb., *Aspicilia mutabilis* (Ach.) Körb., *Aspicilia mutabilis f. corticola* Norman, *Aspicilia mutabilis f. mutabilis* (Ach.) Körb., *Aspicilia verrucosa* (Ach.) Körb., *Aspicilia verrucosa f. corticola-asiatica* Gintovt, *Aspicilia verrucosa f. rugulosa* Norman, *Aspicilia verrucosa f. verrucosa* (Ach.) Körb., *Aspicilia verrucosa subsp. mutabilis* (Ach.) Cl. Roux, *Aspicilia verrucosa subsp. verrucosa* (Ach.) Körb., *Gussonea verrucosa* (Ach.) Trevis., *Lecanora urceolata* (Anzi) Nyl., *Lecanora verrucosa* (Ach.) Laurer, *Lecanora verrucosa f. rugulosa* Norman, *Lecanora verrucosa f. verrucosa* Ach., *Megaspora verrucosa* (Ach.) Hafellner & V. Wirth Nom. rejic., *Megaspora verrucosa var. mutabilis* (Ach.) Nimis & Cl. Roux, *Megaspora verrucosa var. verrucosa* (Ach.) Hafellner & V. Wirth, *Pachyospora mutabilis* (Ach.) A. Massal., *Pachyospora verrucosa* (Ach.) Massal., *Parmelia verrucosa* (Ach.) Spreng., *Pertusaria freyi* Erichsen, *Pertusaria freyi subsp. freyi* Erichsen, *Pertusaria freyi subsp. monosticha* Erichsen, *Pertusaria freyi var. freyi* Erichsen, *Pertusaria freyi var. monosticha* (Erichsen) Erichsen, *Urceolaria mutabilis* Ach., *Urceolaria scruposa var. verrucosa* (Ach.) Schaer., *Urceolaria verrucosa* Ach.]
source: Sklenář et al. (2010), Fernández-Prado et al. (2022); R. C. Harris 17422 [NY], H. Balslev 3896 [NY], K. Kalb 19130 [WIS]

Melanographa

Melanographa tribulodes (Tuck.) Müll. Arg.

[*Encephalographa anthracothecii* Diederich, *Melaspilea tribulodes* (Tuck.) Müll.Arg., *Opegrapha tribulodes* Tuck.]
* = lichenicolous fungi (parasites on living lichens); on *Pyrenula andina*, source: Etayo (2017)

Melanotopelia

Melanotopelia africana Sérus., M. Brand, Ertz, Eb. Fischer, Killmann & van den Boom

* = lichenicolous fungi (parasites on living lichens); on *Dictyonema glabratum*, source: Etayo (2017)

Melaspilea

Melaspilea cupularis Müll.Arg.

source: van den Boom et al. (2022)

Melaspilea diplasiospora (Nyl.) Müll.Arg.

[*Melanographa diplasiospora* (Nyl.) Müll. Arg., *Melaspileopsis diplasiospora* (Nyl.) Ertz & Diederich, *Opegrapha diplasiospora* Nyl.]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007)

Melaspilea epigena Müll.Arg.

* = lichenicolous fungi (parasites on living lichens); on *Myriotrema urceolare*, source: Etayo (2017; as *Melaspilea* cf. *epigena*)

Melaspilea urceolata (Fr.) Ertz & Diederich nom. illegit.

[*Buellia arthonioides* (Fée) Arnold, *Catillaria arthonioides* (Fée) A. Massal., *Melaspilea arthonioides* (Fée) Nyl., *Poetschia arthonioides* (Fée) Stein]
preliminary identification, F. Bungartz: material needs verification; Aptroot, A. 64717 [CDS]

Melaspileella

Melaspileella proximella (Nyl.) Ertz & Diederich

[*Arthonia proximella* Nyl., *Banhegyia setispora* L. Zeller & Tóth., *Banhegyia uralensis* (Naumov) Kohlm., *Buellia proximella* (Nyl.) Rabenh., *Catillaria proximella* (Nyl.) Th. Fr., *Celidium proximellum* (Nyl.) P. Karst., *Celidium proximellum var. proximellum* (Nyl.) P. Karst., *Celidium proximellum var. uralense* Naumov, *Coniangium proximellum* (Nyl.) Hellb., *Melaspilea proximella* (Nyl.) Nyl. ex Norrlin]
preliminary identification, F. Bungartz: material needs verification; Aptroot, A. 64715 [CDS]

Menegazzia

Menegazzia neotropica Bjerke

source: Cevallos Solórzano (2012), Bjerke (2002)

Menegazzia subsimilis (H. Magn.) R. Sant.

[*Parmelia subsimilis* H. Magn.]
source: Nöske et al. (2007)

Menegazzia terebrata (Hoffm.) A. Massal.

[*Hypogymnia pertusa* (Schaer.) Nyl., *Imbricaria diatrypa* (Ach.) DC., *Imbricaria pertusa* (Schaer.) Arnold, *Imbricaria terebrata* (Hoffm.) Körb., *Lichen diatrypus* Ach., *Lichen pertusus* L., *Lobaria terebrata* Hoffm., *Menegazzia diatrypa* (Ach.) A. Massal., *Menegazzia pertusa* (Schaer.) Stein, *Menegazzia pertusa f. pertusa* (Schaer.) J. Stein, *Menegazzia pertusa var. pertusa* (Schaer.) J. Stein, *Parmelia diatrypea* (Ach.) Ach., *Parmelia pertusa* Schaer., *Parmelia pertusa f. excelsicola* Gyeln., *Parmelia pertusa f. pertusa* Schaer., *Parmelia pertusa f. subimpertusa* Nyl., *Parmelia pertusa f. ventricosa* Hue, *Parmelia pertusa var. coskinodes* F. Wilson, *Parmelia pertusa var. epifusca* Gyeln., *Parmelia pertusa var. montana* F. Wilson, *Parmelia pertusa var. nigrilimbata* Hillmann, *Parmelia pertusa var. pertusa* Schaer., *Parmelia physodes var. terebrata* (Hoffm.) Torss., *Parmelia sipeana* Gyeln., *Physcia diatrypa* (Ach.) Gray]
source: Nöske & Sipman (2004), Bjerke (2002)

Merismatium

Merismatium corae (Pat.) Etayo & R. Sant.

[*Leptosphaeria corae* Pat.]
* = lichenicolous fungi (parasites on living lichens); on *Dicytionema interruptum*, & *D. glabratum*, source: Etayo (2017); J. Etayo 25565 [hb. Etayo], J. Etayo 26689 [hb. Etayo]

Merismatium decolorans (Rehm) Triebel

[*Amphisphaeria decolorans* (Rehm) Brenckle, *Phaeospora decolorans* Rehm, *Tichothecium decolorans* Rehm]
* = lichenicolous fungi (parasites on living lichens); on *Trapeliopsis haumanii*, *T. glaucolepidea*, and cf. *Stereocaulon*, source: Etayo (2017); Etayo, J. 26999 [hb. Etayo]

Micarea

Micarea cinerea (Schaer.) Hedl.

[*Arthrosporum cinereum* (Schaer.) H. Olivier, *Bacidia carneoalbens* (Nyl.) A.L. Sm., *Bacidia cinerea* (Schaer.) Trevis., *Biatora cinerea* (Schaer.) Nägeli, *Bilimbia cinerea* (Schaer.) Körb., *Hastifera tenuispora* D. Hawksw. & Poelt, *Lecidea carneoalbens* Nyl., *Lecidea cinerea* Schaer., *Lecidea cinerea var. cinerea* Schaer., *Micarea cinerea f. tenuispora* (D. Hawksw. & Poelt) Fryday, *Zeora lightfootii var. cinerea* (Schaer.) Flot.]
* = lichenicolous fungi (parasites on living lichens); on *Sticta* sp., source: Etayo (2017); Etayo, J. 25882 [hb. Etayo]

Micarea coppinsii Tønsberg

Z. Palice 2739 dupl. [BG]

Micarea lignaria (Ach.) Hedl.

[*Bacidia arceutina f. brevispora* Wheldon & Travis, *Bacidia arceutina var. brevispora* (Wheldon & Travis) Wheldon & Travis, *Bacidia gomphillacea* (Nyl.) Zahlbr., *Bacidia lignaria* (Ach.) Lettau, *Bacidia lignaria f. endoleuca* (Leight.) Zahlbr., *Bacidia lignaria f. lignaria* (Ach.) Lettau, *Bacidia lignaria f. nigrata* (Nyl.) Zahlbr., *Bacidia lignaria var. lignaria* (Ach.) Lettau, *Bacidia milliaria* (Fr.) Sandst., *Biatora lignaria var. saxigena* Hepp, *Biatora milliaria* (Fr.) Tuck., *Bilimbia gomphillacea* (Nyl.) Hellb., *Bilimbia lignaria* (Ach.) A. Massal., *Bilimbia lignaria var. lignaria* (Ach.) A. Massal., *Bilimbia lignaria var. trisepta* (Nägeli) Arnold, *Bilimbia milliaria* (Fr.) Körb., *Bilimbia milliaria var. lignaria* (Ach.) Körb., *Bilimbia milliaria var. milliaria* (Fr.) Körb., *Bilimbia milliaria var. saxatilis* Mudd, *Bilimbia milliaria var. terrestris* Körb., *Lecidea geomaea* Taylor, *Lecidea lignaria* Ach., *Lecidea milliaria* Fr., *Lecidea milliaria var. endoleuca* Leight., *Lecidea milliaria var. lignaria* (Ach.) Fr., *Lecidea milliaria var. milliaria* Fr., *Lecidea milliaria var. saxigena* Leight., *Lecidea milliaria var. triseptata* Nyl., *Micarea gomphillacea* (Nyl.) Vězda, *Micarea lignaria f. gomphillacea* (Nyl.) Hellb., *Micarea lignaria var. lignaria* (Ach.) Hedl., *Patellaria lignaria* (Ach.) Spreng., *Patellaria milliaria* (Fr.) Wallr., *Stereocauliscum gomphillaceum* Nyl.]
* = lichenicolous fungi (parasites on living lichens); on *Sticta* sp., source: Etayo (2017); Etayo, J. 20015 [hb. Etayo], Etayo, J. 20014 [hb. Etayo]

Micarea magellanica (Müll. Arg.) Fryday

[*Bacidia magellanica* (Müll.Arg.) Zahlbr., *Bilimbia magellanica* (Müll. Arg.) Oxner, *Patellaria magellanica* Müll.Arg.]
P. Kulísek, D. Stancík 4517 dupl. [BG]

Micarea stereocaulorum van den Boom & Etayo

* = lichenicolous fungi (parasites on living lichens); on *Stereocaulon* sp., Holotype QCA, Etayo 17309, source: Etayo (2017); Etayo, J. 17309 [hb. Etayo], Etayo, J. 17309 [QCAM]

Microtheliopsis

Microtheliopsis uleana Müll.Arg.

[*Microtheliopsidomyces uleanae* Cif. & Tomas.]
parasitized by *Stigmidium porinae*, source: Lücking (1999, 2008), Lücking & Matzer (2001)

Microtheliopsis winkleri Lücking

source: Lücking (1999, 2008), Lücking & Matzer (2001)

Milospium

Milospium graphideorum (Nyl.) D. Hawksw.

[*Coniothecium graphideorum* (Nyl.) Keissl., *Spilomium graphideorum* Nyl.]
* = lichenicolous fungi (parasites on living lichens); on *Arthonia* sp., source: Etayo (2017); Aptroot, A. 63726 B [CDS]

Miriquidica

Miriquidica nigroleprosa (Vain.) Hertel & Rambold

[*Acarospora nigroleprosa* H. Olivier, *Lecanora nigroleprosa* Vain., *Lecidea liljenstroemii* Du Rietz, *Lecidea lindstroemii* Lynge, *Lecidea nigroleprosa* (Vain.) H. Magn., *Miriquidica liljenstroemii* (Du Rietz) R. Sant., *Miriquidica nigroleprosa var. liljenstroemii* (Du Rietz) Owe-Larss. & Rambold, *Miriquidica nigroleprosa var. nigroleprosa* (Vain.) Hertel & Rambold]
preliminary identification, F. Bungartz: material needs verification; Aptroot, A. 65247 [CDS], Bungartz, F. 4137 [CDS], Bungartz, F. 4142 [CDS], Bungartz, F. 4175 [CDS]

Muellerella

Muellerella erratica (A. Massal.) Hafellner & V. John

[*Endococcus erraticus* Nyl., *Microthelia ecatonospora var. athallina* Müll.Arg., *Muellerella pygmaea var. athallina* (Müll.Arg.) Triebel, *Mycoporum erraticum* (A. Massal.) Jatta, *Sychnogonia erratica* (A. Massal.) Trevis., *Tichothecium erraticum* A. Massal., *Tichothecium erraticum subsp. erraticum* A. Massal., *Tichothecium pygmaeum var. erraticum* (A. Massal.) Vouaux, *Verrucaria erratica* (A. Massal.) Leight.]
* = lichenicolous fungi (parasites on living lichens); on *Caloplaca*, *Lecanora* gr. *dispesa*, *Lecidea brachyspora*, and *Rhizocarpon geminatum*, source: Etayo (2017); Etayo, J. 20040 [hb. Etayo]

Muellerella lichenicola (Sommerf.) D. Hawksw.

[*Arthopyrenia cookei* (Linds.) Arnold, *Endococcus atricola* (Linds.) H. Olivier, *Microthelia atricola* Linds., *Microthelia cookei* Linds., *Muellerella atricola* (Linds.) Sacc. & D. Sacc., *Muellerella atricola var. atricola* (Linds.) Sacc. & D. Sacc., *Mycosphaerella cookei* (Lind) Sacc. & D. Sacc., *Tichothecium erraticum subsp. microphorum* (Nyl.) A.L. Sm., *Tichothecium lichenicola* (Sommerf.) R. Sant., *Verrucaria microphora* Nyl.]
* = lichenicolous fungi (parasites on living lichens); on *Caloplaca* sp., source: Etayo (2017); Etayo, J. 20031 [hb. Etayo]

Muellerella ventosicola (Mudd) D. Hawksw.

[*Microthelia ventosicola* Mudd, *Mycoporum pygmaeum var. ventosicola* (Mudd) Jatta, *Pyrenula ventosicola* (Mudd) Willey, *Tichothecium pygmaeum var. ventosicola* (Mudd) G. Winter, *Verrucaria ventosicola* (Mudd) Leight.]
* = lichenicolous fungi (parasites on living lichens); on *Rhizocarpon geminatum*, source: Etayo (2017)

Musaespora

Musaespora kalbii Lücking & Sérus.

source: Lücking (1999, 2008)

Mycocalicium

Mycocalicium americanum (R. Sant.) Tibell

[*Calicium americanum* R. Sant., *Mycocalicium americanun* (R. Sant.) Tibell]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 4424 [CDS], Aptroot, A. 63073 [CDS], Bungartz, F. 5326 [CDS], Bungartz, F. 4562 [CDS], Bungartz, F. 4489 [CDS], Bungartz, F. 4594 [CDS], Bungartz, F. 4426 [CDS], Bungartz, F. 4429 [CDS], Aptroot, A. 64901 [CDS], Aptroot, A. 64744 [CDS], Ertz, D. 11776 A [CDS], Ertz, D. 11869 [CDS], Ertz, D. 12036 [CDS], Bungartz, F. 7183 [CDS], Bungartz, F. 7576 [CDS], Bungartz, F. 7941 [CDS]

Mycoporum

Mycoporum buckii R.C. Harris

preliminary identification, F. Bungartz: material needs verification; Aptroot, A. 65415 [CDS]

Mycoporum compositum (A. Massal.) R.C. Harris

[*Arthothelium lichenale* (Peck) M.E. Barr, *Bottaria composita* A. Massal., *Dermatina pyrenocarpa* (Nyl.) Zahlbr., *Mycoporum pycnocarpum* Nyl., *Mycoporum pycnocarpum var. ohiense* Nyl., *Mycoporum pycnocarpum var. pycnocarpum* Nyl., *Pyrenastrum compositum* Hepp]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Nugra, F. 553 [CDS], Aptroot, A. 64245 [CDS], Aptroot, A. 65311 [CDS], Aptroot, A. 65454 [CDS], Aptroot, A. 63342 [CDS], Nugra, F. 580 [CDS]

Mycoporum eschweileri (Müll. Arg.) R.C. Harris

[*Mycoporellum eschweileri* Müll.Arg., *Tomasellia eschweileri* (Müll. Arg.) R.C. Harris]
source: Benítez et al. (2019); Bungartz, F. 6032 [CDS], Aptroot, A. 63405 [CDS], Aptroot, A. 64633 [CDS], Aptroot, A. 64083 [CDS], Bungartz, F. 4068 [CDS], Aptroot, A. 64079 [CDS], Aptroot, A. 65341 [CDS], Aptroot, A. 65601 A [CDS], Aptroot, A. 65455 [CDS], Bungartz, F. 7459 A [CDS], Aptroot, A. 63038 [CDS]

Mycoporum lacteum (Ach.) R.C. Harris

[*Arthopyrenia epidermidis var. lactea* (Ach.) A.L. Sm., *Mycoporellum hassei* Zahlbr., *Mycoporellum lacteum* (Ach.) Zahlbr., *Mycoporellum sparsellum* (Nyl.) Müll.Arg., *Mycoporum sparsellum* Nyl., *Porina bonplandii* Müll.Arg., *Tomasellia lactea* (Ach.) R.C. Harris, *Tomasellia sparsella* (Nyl.) R.C. Harris, *Verrucaria cinerea var. lactea* (Ach.) Duby, *Verrucaria lactea* (Ach.) Eschw., *Verrucaria stigmatella var. lactea* Ach.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 7892 [CDS], Aptroot, A. 63805 [CDS], Aptroot, A. 64590 [CDS], Bungartz, F. 4106 [CDS], Bungartz, F. 4228 [CDS], Aptroot, A. 65130 [CDS]

Myelochroa

Myelochroa degelii (Hale) Elix & Hale

[*Parmelina degelii* Hale]
source: Arvidsson (1991), Yánez-Ayabaca (2009), Nöske & Sipman (2004), Cevallos (2012)

Myeloconis

Myeloconis guyanensis P. M. McCarthy & Elix

Klara Scharnagl 1860 [MSC], Klara Scharnagl 2105 [MSC]

Myriochapsa

Myriochapsa psoromica (M. Cáceres, L.S. de Jesus & T.S. Vieira) M. Cáceres, Lücking & Lumbsch

[*Chapsa psoromica* M. Cáceres, L.S. de Jesus & T.S. Vieira]
Klara Scharnagl 1829 [MSC]

Myriolecis

Myriolecis crenulata (Ach.) Śliwa, Zhao Xin & Lumbsch

[*Lecanora crenulata* (Ach.) Hook., *Lecanora crenulata f. crenulata* (Ach.) Hook., *Lecanora crenulata var. crenulata* (Ach.) Hook., *Lecanora exomila* Stirt., *Lecanora hagenii var. crenulata* Ach., *Patellaria crenulata* (Hook.) Wallr.]
source: Cevallos Solórzano (2012), Zahlbruckner (1907), Zahlbruckner (1905)

Myrionora

Myrionora pseudocyphellariae (Etayo) S. Ekman & Palice

[*Scoliciosporum pseudocyphellariae* Etayo]
* = lichenicolous fungi (parasites on living lichens); on *Dictyonema glabratum*, source: Etayo (2017), Palice et al. (2013); Etayo, J. 25744 [hb. Etayo]

Myriospora

Myriospora westbergii K. Knudsen & Bungartz
endemic to Galapagos, Holotype: Aptroot 65667 [CDS 32258], source: Knudsen & Bungartz (2014); Bungartz, F. 4762 [CDS], Aptroot, A. 65667 [CDS], Aptroot, A. 65671 A [CDS]

Myriostigma

Myriostigma candidum Kremp. v
[*Arthonia candida* (Kremp.) Vain., *Arthothelium candidum* (Kremp.) Müll. Arg., *Cryptothecia candida* (Kremp.) R. Sant.]
source: Lücking (1999); R. C. Harris 17815 [NY], R. C. Harris 17816 [NY], R. C. Harris 17799 [NY], R. C. Harris 17834 [NY], R. C. Harris 17878 [NY], Erik Asplund 315 [S]

Myriostigma filicinum (Ellis & Everh.) Frisch & G. Thor v
[*Ascomycetella filicina* Ellis & Everh., *Cryptothecia filicina* (Ellis & Everh.) Lücking & G. Thor]
source: Lücking (1999, 2008), Fernández-Prado et al. (2022)

Myriostigma napoense (Kalb & Jonitz) Kukwa v
[*Cryptothecia napoensis* Kalb & Jonitz]
Holotype Kalb 38968, source: Kalb et al. (2012)

Myriotrema

Myriotrema concretum (Fée) Hale v
[*Thelotrema concretum* Fée, *Thelotrema concretum var. concretum* Fée]
source: Nöske et al. (2007)

Myriotrema congestum (Hale) Hale v
[*Ocellularia congesta* Hale]
source: Nöske et al. (2007)

Myriotrema hartii (Müll.Arg.) Hale v
[*Thelotrema hartii* Müll.Arg.]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007)

Myriotrema microporum (Mont.) Hale v
[*Ocellularia micropora* (Mont.) Müll.Arg., *Thelotrema microporum* Mont.]
source: Fernández-Prado et al. (2022)

Myriotrema myrioporum (Tuck.) Hale
[*Ocellularia myriopora* (Tuck.) Müll.Arg., *Thelotrema myrioporum* Tuck.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, F. Bungarz: one specimen det. Hale as *Myriotrema olivaceum* Fée (Santiago, on *Zanthoxylum*, coll. Pike ID18-19, (OSC 101980) has been revised by R. Lücking to belong to *M. myrioporum*

Myriotrema myriotremoides (Nyl.) Hale v
[*Ocellularia myriotremoides* (Nyl.) Zahlbr., *Thelotrema myriotremoides* Nyl.]
source: Nöske et al. (2007)

Myriotrema urceolare (Ach.) Hale v
[*Leptotrema urceolare* (Ach.) Müll.Arg., *Ocellularia urceolaris* Ach., *Stigmagora urceolaris* (Ach.) Trevis., *Thelotrema urceolare* Ach., *Urceolaria thelotremoides* A. Massal.]
parasitized by *Melaspilea* cf. *epigena*, source: Nöske et al. (2007), Etayo (2017); Klara Scharnagl 1958 [MSC], Klara Scharnagl 2005 [MSC], Klara Scharnagl 2171 [MSC]

Myxophora

Myxophora leptogiophila (Minks ex G. Winter) Nik. Hoffm. & Hafellner v
[*Leptorhaphis leptogiophila* Minks ex G. Winter, *Leptosphaeria leptogiophila* (Minks ex G. Winter) G. Winter, *Metasphaeria leptogiophila* (Minks ex G. Winter) Berl. & Voglino]
* = lichenicolous fungi (parasites on living lichens); on *Collema* sp. and *Leptogium* sp., source: Etayo (2017); Etayo, J. 20180 [hb. Etayo], Etayo, J. 25494 [hb. Etayo]

Nanostictis

Nanostictis confusa Etayo v
* = lichenicolous fungi (parasites on living lichens); on *Everniastrum* sp., Holotype QCA, Etayo 25670, source: Etayo (2017); Etayo, J. 20141 [hb. Etayo], Etayo, J. 25670 [hb. Etayo], Etayo, J. 26422 [hb. Etayo]

Nanostictis heterodermiae Etayo & Sipman v
* = lichenicolous fungi (parasites on living lichens); on *Heterodermia flabellata*, Holotype B, Sipman 53071, source: Etayo (2017)

Nanostictis peltigerae M.S. Christ. v
* = lichenicolous fungi (parasites on living lichens); on *Peltigera* sp., source: Etayo (2017); R. C. Harris 17319-A [NY], Etayo, J. 20045 [hb. Etayo], Etayo, J. 25866 [hb. Etayo]

Nanostictis stictae Etayo v
* = lichenicolous fungi (parasites on living lichens); on *Sticta* sp., source: Etayo (2017); Etayo, J. 19964 [hb. Etayo], Etayo, J. 20014 [hb. Etayo], Etayo, J. 20047 [hb. Etayo]

Nebularia

Nebularia incrassata (P.M. Jørg.) P.M. Jørg. v
[*Parmeliella incrassata* P.M. Jørg.]
Holotype GB, Arvidsson & Nilson, 7 Mar. 1972, source: Jørgensen (1998), Jørgensen (2000), Jørgensen & Arvidsson (2004); Arvidsson, L.; Nilson, D. 938 [GB], Arvidsson, L.; Nilson, D. 938 [GB], Arvidsson, L.; Nilson, D. 938 [GB]

Nebularia psoromoides (P.M. Jørg. & Palice) P.M. Jørg. v
[*Parmeliella psoromoides* P.M. Jørg. & Palice]
Holotype PRA, Palice 11977, source: Jørgensen & Palice (2010)

Nectria

Nectria byssophila Rossman v
* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp., *Normandina pulchella*, *Parmotrema* sp., *Stereocaulon* sp., and *Teloschistes flavicans*, source: Etayo (2017); J. Etayo 17235 [hb. Etayo], Etayo, J. 17304 [hb. Etayo], Etayo, J. 25513 [hb. Etayo], Etayo, J. 25517

[hb. Etayo], Etayo, J. 25836 [hb. Etayo], Etayo, J. 25915 [hb. Etayo]

Nectriopsis

Nectriopsis albida Etayo

* = lichenicolous fungi (parasites on living lichens); on *Sticta* sp., source: Etayo (2017); Etayo, J. 25403 [hb. Etayo]

Nectriopsis curtiseta Etayo

* = lichenicolous fungi (parasites on living lichens); on *Lobariella crenulata*, *Sticta weigelii* & *Sticta* sp., source: Etayo (2017); J. Etayo 17262 [hb. Etayo], Etayo, J. 17331 [hb. Etayo], Etayo, J. 17349 [hb. Etayo], Etayo, J. 20009 [hb. Etayo], Etayo, J. 20044 [hb. Etayo], Etayo, J. 20090 [hb. Etayo], Etayo, J. 20107 [hb. Etayo], Etayo, J. 25373 [hb. Etayo], Etayo, J. 25394 [hb. Etayo], Etayo, J. 25401 [hb. Etayo], Etayo, J. 25408 [hb. Etayo], Etayo, J. 25414 [hb. Etayo], Etayo, J. 25430 [hb. Etayo], J. Etayo 25563 [hb. Etayo], Etayo, J. 25684 [hb. Etayo], Etayo, J. 25766 [hb. Etayo], Etayo, J. 25873 [hb. Etayo], Etayo, J. 26004 [hb. Etayo], Etayo, J. 26325 [hb. Etayo]

Nectriopsis guamuesii Etayo

* = lichenicolous fungi (parasites on living lichens); on *Sticta* sp., source: Etayo (2017); Etayo, J. 25404 [hb. Etayo], Etayo, J. 19936 [hb. Etayo]

Nectriopsis lecanodes (Ces.) Diederich & Schroers

[*Lasionectria lecanodes* (Ces.) Petch, *Nectria lecanodes* (Ces.) Fuckel, *Nectria lecanodes var. euryspora* Vouaux, *Nectria lecanodes var. lecanodes* Ces., *Sphaeria lecanodes* Ces.]
* = lichenicolous fungi (parasites on living lichens); on *Peltigera laciniata*, *Peltigera rufescens* , source: Etayo (2017); J. Etayo 19916 [hb. Etayo], Etayo, J. 25637 [hb. Etayo], Etayo, J. 25669 [hb. Etayo], J. Etayo 26301 [hb. Etayo]

Nectriopsis lichenophila (Speg.) Etayo

[*Nectria lichenophila* Speg.]
* = lichenicolous fungi (parasites on living lichens); on *Leucodermia leucomelos* and species of *Heterodermia*, source: Etayo (2017); Etayo, J. 19987 [hb. Etayo], Etayo, J. 20091 [hb. Etayo], Etayo, J. 20117 [hb. Etayo], Etayo, J. 20146 [hb. Etayo], Etayo, J. 25431 [hb. Etayo], Etayo, J. 25519 [hb. Etayo], J. Etayo 25548 [hb. Etayo]

Nectriopsis melongenoidea Etayo & Palice

* = lichenicolous fungi (parasites on living lichens); on *Gomphillus hyalinus*, source: Etayo (2017)

Nectriopsis physciicola D. Hawksw. & Earl.-Benn.

* = lichenicolous fungi (parasites on living lichens); on *Phaeophyscia* sp., source: Etayo (2017)

Nectriopsis rubefaciens (Ellis & Everh.) M.S. Cole & D. Hawksw.

[*Nectria rubefaciens* Ellis & Everh., *Trichonectria rubefaciens* (Ellis & Everh.) Diederich & Schroers]
* = lichenicolous fungi (parasites on living lichens); on *Parmotrema reticulatum*, source: Etayo (2017); Etayo, J. 17292 [hb. Etayo], Etayo, J. 20005 [hb. Etayo], Etayo, J. 20019 [hb. Etayo], J. Etayo 25343 [hb. Etayo]

Nectriopsis vinosa Etayo

* = lichenicolous fungi (parasites on living lichens); on *Gomphillus hyalinus* & *Usnea* sp., source: Etayo (2017); Etayo, J. 19983 [hb. Etayo], Etayo, J. & Palice, Z. 19983 [QCAM]

Nectriopsis vivida Etayo & Sipman

* = lichenicolous fungi (parasites on living lichens); on crustaceous lichen, probably *Gomphillales*, source: Etayo (2017)

Neobarya

Neobarya ciliaris Etayo

* = lichenicolous fungi (parasites on living lichens); on *Heterodermia* sp., source: Etayo (2017); J. Etayo 25335 [hb. Etayo]

Neolamya

Neolamya peltigerae (Mont.) Theiss. & Syd.

[*Lamyella peltigerae* (Mont.) Berl., *Ophiobolus peltigerae* (Mont.) Sacc., *Rhaphidophora peltigerae* (Mont.) Mont., *Sphaeria peltigerae* Mont.]
* = lichenicolous fungi (parasites on living lichens); on *Peltigera* sp., source: Etayo (2017)

Neoprotoparmelia

Neoprotoparmelia multifera (Nyl.) Garima Singh, Lumbsch & I. Schmitt

[*Lecanora multifera* Nyl., *Maronina multifera* (Nyl.) Hafellner & R.W. Rogers, *Protoparmelia multifera* (Nyl.) Kantvilas, Papong & Lumbsch]
source: Benítez et al. (2015), Benítez (2016); Benítez, A. 284 [HUTPL], Benítez, A. 285 [HUTPL], Benítez, A. 286 [HUTPL]

Nephroma

Nephroma helveticum Ach.

[*Nephroma resupinatum var. helveticum* (Ach.) Gyeln., *Nephromium helveticum* (Ach.) Nyl., *Nephromium helveticum var. helveticum* (Ach.) Nyl., *Ornatinephroma resupinatum var. helveticum* (Ach.) Gyeln., *Peltigera helvetica* (Ach.) Spreng.]
source: Sipman (1999), Cevallos (2012)

Nephroma plumbeum (Mont.) Mont.

[*Nephromium plumbeum* (Mont.) Nyl., *Opisteria plumbea* (Mont.) Vain., *Peltigera plumbea* Mont.]
Etayo, J. 26012 [hb. Etayo]

Niesslia

Niesslia evae Etayo

* = lichenicolous fungi (parasites on living lichens); on *Erioderma granulosum* & *Erioderma* sp., source: Etayo (2017); Etayo, J. 20142 [hb. Etayo], Etayo, J. 20143 [hb. Etayo], Etayo, J. 25452 [hb. Etayo]

Niesslia globospora Etayo

* = lichenicolous fungi (parasites on living lichens); on *Dictyonema* sp., source: Etayo (2017); Etayo, J. 26977 [hb. Etayo]

Niesslia lobariae Etayo & Diederich

* = lichenicolous fungi (parasites on living lichens); on *Sticta weigelii* and *S. humboldtii*, source: Etayo (2017); Etayo, J. 20109 [hb. Etayo], Etayo, J. 20114 [hb. Etayo], Etayo, J. 26983 [hb. Etayo]

Niesslia pseudocyphellariae Etayo & Diederich

* = lichenicolous fungi (parasites on living lichens); on *Peltigera polydactyla*, *Peltigera* sp. & *Yoshimuriella subdissecta*, source: Etayo (2017); Etayo, J. 20045 [hb. Etayo], Etayo, J. 25474 [hb. Etayo], Etayo, J. 25771 [hb. Etayo]

Niesslia schizospora Etayo

* = lichenicolous fungi (parasites on living lichens); on *Dichosporidium* sp., *Lobariella crenulata*, source: Etayo (2017); Etayo, J. 19978 [hb. Etayo], J. Etayo 25570 [hb. Etayo], Etayo, J. 26409 [hb. Etayo]

Niesslia stictarum (Nannf. & R. Sant.) R. Sant. & Tretiach

[*Nitschkiopsis stictarum* Nannf. & R. Sant.]
* = lichenicolous fungi (parasites on living lichens); on *Sticta* cf. *filix*, *S. tomentosa*, *S. humboldtii*, *S. weigelii*, and *Lobariella pallida*, source: Etayo

(2017); Etayo, J. 19991 [hb. Etayo], Etayo, J. 20165 [hb. Etayo], J. Etayo 20171 [hb. Etayo], Etayo, J. 25379 [hb. Etayo], Etayo, J. 25391 [hb. Etayo], Etayo, J. 25406 [hb. Etayo], Etayo, J. 25450 [hb. Etayo], Etayo, J. 25480 [hb. Etayo], Etayo, J. 26022 [hb. Etayo], Etayo, J. 26974 [hb. Etayo], Etayo, J. 27029 [hb. Etayo]

Niesslia stictarum subsp. nuda Etayo

* = lichenicolous fungi (parasites on living lichens); on *Lobariella pallida*, source: Etayo (2017); Etayo, J. 25608 [hb. Etayo]

Niesslia tetrahedrospora Etayo

* = lichenicolous fungi (parasites on living lichens); on *Pertusaria* sp., source: Etayo (2017); Etayo, J. 25924 [hb. Etayo]

Nigromacula

Nigromacula uniseptata (D. Hawksw.) D. Hawksw., 2003

[*Nigromacula hypotrachynae* Etayo, *Vouauxiella uniseptata* D. Hawksw.]
* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp., *Hypotrachyna sinuosa*, *Everniopsis trulla*, source: Etayo (2017); Etayo, J. 20138 [hb. Etayo], Etayo, J. 27003 [hb. Etayo]

Nigrovothelium

Nigrovothelium tropicum (Ach.) Lücking, M. P. Nelsen & Aptroot

[*Bathelium compositum* (Vain.) C.W. Dodge, *Pseudopyrenula bicincta* Zahlbr., *Pseudopyrenula composita* Vain., *Pseudopyrenula deightonii* C.W. Dodge, *Pseudopyrenula pyrenuloides* Zahlbr., *Pseudopyrenula tropica* (Ach.) Müll.Arg., *Pseudopyrenula verrucosa* Vain., *Pyrenula gaudichaudii* (Fée) Pers., *Pyrenula tropica* (Ach.) Trevis., *Sagedia tropica* (Ach.) A. Massal., *Spermatodium tropicum* (Ach.) Trevis., *Trypethelium compositum* (Vain.) Zahlbr., *Trypethelium tropicum* (Ach.) Müll.Arg., *Trypethelium tropicum var. nigratum* Müll.Arg., *Trypethelium tropicum var. tropicum* (Ach.) Müll.Arg., *Verrucaria gaudichaudii* Fée, *Verrucaria tropica* Ach.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Aptroot et al. (2016), Elix & McCarthy (1998), LeDee (2000), Weber (1986); Weber, W.A. 7 [CDS], Aptroot, A. 63105 [CDS], Bungartz, F. 3362 [CDS], Bungartz, F. 3354 [CDS], Bungartz, F. 5065 [CDS], Bungartz, F. 6468 [CDS], Bungartz, F. 6512 [CDS], Bungartz, F. 8554 A [CDS], Rivas Plata, E. 4076 [CDS]

Normandina

Normandina pulchella (Borrer) Nyl.

[*Endocarpon pulchellum* Borrer, *Lauderlindsaya borreri* (Leighton) R. Sant., *Lenormandia jungermanniae* Nyl., *Lenormandia pulchella* (Borrer) A. Massal., *Normandina jungermanniae* (Nyl.) Nyl., *Normandina jungermanniae var. jungermanniae* (Nyl.) Nyl., *Normandina jungermanniae var. sorediosa* H. Olivier, *Polyblastia armericola* Walt. Watson, *Sphaeria borreri* Tul., *Verrucaria pulchella* Borrer]
parasitized by *Capronia normandinae* & *Nectria byssophila* ; * = lichenicolous fungi (parasites on living lichens); on *Leptogium* sp., source: Müller (1879), Weber (1986), Elix & McCarthy (1998), Davey (1999), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Mandl (2007), Ochoa-Jiménez et al. (2015), Benítez et al. (2015), Benítez (2016), González et al. (2017a, b), Etayo (2017), Chuquimarca et al. (2019); Aptroot, A. 63216 [CDS], Aptroot, A. 63789 [CDS], Bungartz, F. 3962 [CDS], Aptroot, A. 64820 [CDS], Bungartz, F. 4286 [CDS], Aptroot, A. 65206 [CDS], Aptroot, A. 65491 [CDS], Bungartz, F. 7294 [CDS], Nugra, F. 407 B [CDS], Moncada, B. 8426 [CDS], Dal-Forno, M. 1193 E [CDS], Benítez, A. 300 [HUTPL], Etayo, J. 17317 [hb. Etayo], Etayo, J. 20006 [hb. Etayo], Etayo, J. 20015 [hb. Etayo], Etayo, J. 20167 [hb. Etayo], Etayo, J. 25412 [hb. Etayo], Etayo, J. 26412 [hb. Etayo], Etayo, J. 26418 [hb. Etayo], Etayo, J. 26443 [hb. Etayo], Etayo, J. 26996 [hb. Etayo]

Norrlinia

Norrlinia peltigericola (Nyl.) Theiss. & Syd.

[*Pleosphaeriopsis peltigericola* (Nyl.) Vain., *Pleosphaeropsis peltigericola* (Nyl.) Vain., *Pleosphaerulina peltigericola* (Nyl.) Vouaux, *Pleospora peltigericola* (Nyl.) Zopf, *Polyblastia peltigericola* (Nyl.) H. Olivier, *Verrucaria peltigericola* Nyl.]
* = lichenicolous fungi (parasites on living lichens); on *Omphalina foliacea*, source: Santesson (1989)

Notoparmelia

Notoparmelia protosulcata (Hale) A. Crespo, Ferencová & Divakar

[*Parmelia protosulcata* Hale]
Etayo, J. 25424 [hb. Etayo]

Nyungwea

Nyungwea anguinella (Nyl.) Aptroot, in Aptroot & Cáceres

[*Chiodecton anguinellum* (Nyl.) Vain., *Enterographa anguinella* (Nyl.) Redinger, *Opegrapha anguinella* (Nyl.) Ertz & Diederich, *Stigmatidium anguinellum* Nyl.]
source: Aptroot & Sparrius (2008), van den Boom et al. (2022); Aptroot, A. 64390 [CDS], Aptroot, A. 63981 [CDS], Segura, D. s.n. [CDS], Ertz, D. 11519 [CDS], Ertz, D. 11527 [CDS], Ertz, D. 11536 [CDS], Ertz, D. 12037 [CDS], Bungartz, F. 7947 [CDS], Bungartz, F. 7949 [CDS], Bungartz, F. 7950 A [CDS], Bungartz, F. 7955 [CDS], Yánez-Ayabaca, A. 1588 [CDS], Yánez-Ayabaca, A. 1614 [CDS], Bungartz, F. 8814 [CDS], Bungartz, F. 8820 [CDS], Bungartz, F. 9013 [CDS]

Obryzum

Obryzum friesii (Keissl.) Nik. Hoffm. & Hafellner

[*Physalospora friesii* Keissl.]
* = lichenicolous fungi (parasites on living lichens); on *Leptogium* sp., source: Etayo (2017)

Obscuroplaca

Obscuroplaca tortuca (Søchting & Bungartz) Søchting & Bungartz

[*Phaeoplaca tortuca* Søchting & Bungartz]
endemic to Galapagos, Holotype: Bungartz 3644 [CDS 27462], source: Bungartz et al. (2020b); Bungartz, F. 5512 [CDS], Bungartz, F. 3644 [CDS], Bungartz, F. 6388 [CDS], Bungartz, F. 6218 [CDS], Aptroot, A. 65379 A [CDS], Bungartz, F. 3963 [CDS], Aptroot, A. 64699 [CDS], Aptroot, A. 65189 A [CDS], Yánez-Ayabaca, A. 1994 [CDS]

Oceanoplaca

Oceanoplaca caesiosorediata (Arup & van den Boom) Arup

[*Caloplaca caesiosorediata* Arup & van den Boom]
source: van den Boom et al. (2022)

Oceanoplaca chemoisidiosa Søchting & Bungartz

endemic to Galapagos, Holotype: Bungartz 6417 [CDS 34632], source: Bungartz et al. (2020b); Bungartz, F. 3864 [CDS], Bungartz, F. 6436 [CDS], Bungartz, F. 6417 [CDS], Aptroot, A. 64354 [CDS], Bungartz, F. 8737 [CDS]

Oceanoplaca isidiosa (Vain.) Bungartz, Søchting & Arup

[*Caloplaca isidiosa* (Vain.) Zahlbr., *Placodium isidiosum* Vain.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Elix & McCarthy (1998), Weber (1986), Bungartz et al. (2020b); Weber, W.A. s.n. [CDS], Weber, W.A. s.n. [CDS], Aptroot, A. 65644 A [CDS], Ertz, D. 11692 [CDS], Yánez-Ayabaca, A. 1628 [CDS], Bungartz, F. 9824 [CDS], Bungartz, F. 9895 [CDS], Bungartz, F. 3753 [CDS], Bungartz, F. 4502 [CDS], Bungartz, F. 5143 [CDS], Bungartz, F. 5281 [CDS], Bungartz, F. 5316 [CDS], Truong, C. 1539 [CDS], Bungartz, F. 6036 [CDS], Bungartz, F. 6080 [CDS], Bungartz, F. 6100 [CDS], Aptroot, A. 63704 [CDS], Aptroot, A. 64107 [CDS], Aptroot, A. 64442 [CDS], Aptroot, A. 65404 [CDS], Bungartz, F. 7281 [CDS], Bungartz, F. 6293 [CDS], Aptroot, A. 63123 [CDS], Bungartz, F. 7015 [CDS], Bungartz, F. 7246 [CDS], Bungartz, F. 8797 [CDS], Bungartz, F.

8457 [CDS], Bungartz, F. 8853 [CDS], Bungartz, F. 8813 [CDS], Bungartz, F. 9103 [CDS], Bungartz, F. 9906 [CDS], Bungartz, F. 9183 [CDS], Nugra, F. 489 [CDS], Bungartz, F. 6702 [CDS], Bungartz, F. 3838 [CDS], Bungartz, F. 9246 [CDS], Aptroot, A. 65744 [CDS], Aptroot, A. 63262 [CDS], Bungartz, F. 5196 [CDS], Aptroot, A. 65467 [CDS], Bungartz, F. 6337 [CDS], Bungartz, F. 5320 [CDS], Bungartz, F. 4618 [CDS], Bungartz, F. 5376 [CDS], Bungartz, F. 5364 [CDS], Bungartz, F. 3409 [CDS], Bungartz, F. 7251 [CDS], Bungartz, F. 5211 [CDS], Aptroot, A. 64401 [CDS], Aptroot, A. 64719 [CDS], Spielmann, A.A. 10739 [CDS], Bungartz, F. 10549 [CDS], Adsersen, H. s.n. [CDS]

Oceanoplaca sideritoides Søchting & Bungartz

endemic to Galapagos, Holotype: Bungartz 6516 [CDS 34733], source: Bungartz et al. (2020b); Bungartz, F. 3597 [CDS], Bungartz, F. 5969 [CDS], Ertz, D. 11941 [CDS], Ertz, D. 11940 [CDS], Bungartz, F. 5960 [CDS], Bungartz, F. 3883 [CDS], Truong, C. 1541 [CDS], Aptroot, A. 64095 [CDS], Bungartz, F. 3663 [CDS], Aptroot, A. 64948 [CDS], Bungartz, F. 10223 [CDS], Bungartz, F. 7128 [CDS], Bungartz, F. 6699 [CDS], Aptroot, A. 64545 [CDS], Bungartz, F. 4457 [CDS], Bungartz, F. 6516 [CDS], Bungartz, F. 8459 [CDS], Aptroot, A. 63686 [CDS], Aptroot, A. 63268 [CDS]

Ocellularia

Ocellularia albocincta (Hale) Divakar & Mangold v

[*Myriotrema albocinctum* Hale]
Klara Scharnagl 1904 [MSC], Klara Scharnagl 1905 [MSC], Klara Scharnagl 2109 [MSC], Klara Scharnagl 2166 [MSC], Klara Scharnagl 1858a [MSC]

Ocellularia ascidioidea Hale v

Klara Scharnagl 2168 [MSC]

Ocellularia barroensis Hale v

source: Lücking (2015); R. C. Harris 17891 [NY], Klara Scharnagl 1849 [MSC], Klara Scharnagl 1857 [MSC], Klara Scharnagl 1914 [MSC], Klara Scharnagl 1916 [MSC], Klara Scharnagl 1921 [MSC], Klara Scharnagl 2235 [MSC], Klara Scharnagl 1858b [MSC], Klara Scharnagl 1925a [MSC]

Ocellularia buckii Lücking v

source: Déleg et al. (2021)

Ocellularia cavata (Ach.) Müll.Arg. v

[*Thelotrema cavatum* Ach., *Thelotrema cavatum var. cavatum* Ach., *Thelotrema cavatum var. confertum* Nyl., *Thelotrema cavatum var. dolichosporum* Nyl., *Thelotrema cavatum var. granuliferum* Nyl., *Thelotrema cavatum var. obturatum* Nyl., *Thelotrema cavatum var. planius* Nyl., *Thelotrema cavatum var. porinoides* Nyl., *Thelotrema cavatum var. submutatum* Nyl., *Thelotrema chrysotroma* Vain.]
source: Nöske et al. (2007), Fernández-Prado et al. (2022)

Ocellularia chonestoma (Leight.) Zahlbr. v

[*Ascidium chonestomum* Leight.]
source: Nöske et al. (2007), Fernández-Prado et al. (2022)

Ocellularia crocea (Kremp.) Overeem & D. Overeem v

[*Ascidium croceum* Kremp., *Phaeotrema croceum* (Kremp.) Zahlbr.]
source: Lücking (2015); R. C. Harris 17835 [NY]

Ocellularia cryptica Lücking v

Klara Scharnagl 1850 [MSC]

Ocellularia endoperidermica Lücking v

Holotype NY, Harris 17905, source: Lücking (2015); R. C. Harris 17905 [NY]

Ocellularia landronii Hale v

source: Nöske et al. (2007)

Ocellularia obturascens (Nyl.) Hale v

[*Leptotrema bahianum* (Ach.) Müll.Arg., *Leptotrema bahianum var. asiaticum* Zahlbr., *Leptotrema bahianum var. bahianum* (Ach.) Müll.Arg., *Leptotrema bahianum var. obturascens* (Nyl.) Müll.Arg., *Leptotrema bahianum var. ruptum* (Nyl.) Zahlbr., *Leptotrema obturascens* (Nyl.) Hale, *Myriotrema bahianum* (Ach.) Hale, *Ocellularia bahiana* (Ach.) Hale, *Thelotrema bahianum* (Ach.) Ach., *Thelotrema bahianum var. antillarum* Vain., *Thelotrema bahianum var. bahianum* (Ach.) Ach., *Thelotrema bahianum var. obturascens* Nyl., *Thelotrema bahianum var. ruptum* Nyl., *Thelotrema lepadinum var. bahianum* Ach.]
source: Nöske et al. (2007), Déleg et al. (2021); Klara Scharnagl 1998 [MSC], Klara Scharnagl 2170 [MSC]

Ocellularia papillata (Leight.) Zahlbr. v

[*Thelotrema papillatum* Leight.]
source: Nöske et al. (2007)

Ocellularia perforata (Leight.) Müll. Arg. v

[*Thelotrema perforatum* Leight., *Thelotrema perforatum var. perforatum* Leight.]
source: Nöske et al. (2007), Fernández-Prado et al. (2022); Klara Scharnagl 2022 [MSC]

Ocellularia pichinchensis Lücking v

Holotype NY, Harris 17927, source: Lücking (2015); R. C. Harris 17927 [NY], R. C. Harris 17829 [NY]

Ocellularia rhodostroma (Mont.) Zahlbr. v

[*Ascidium rhodostroma* Mont., *Ascidium rhodostroma var. rhodostroma* Mont., *Ectolechia rhodostroma* (Mont.) A. Massal., *Thelotrema domingense var. rhodostromum* (Mont.) Tuck.]
source: van den Boom et al. (2022)

Ocellularia rongklaensis (Homchant. & Coppins) Lücking v

[*Myriotrema rongklaense* Homchant. & Coppins]
Klara Scharnagl 1848 [MSC]

Ocellularia terebrata (Ach.) Müll.Arg. v

[*Ocellularia terebrata f. subeminescens* (Nyl.) Zahlbr., *Ocellularia terebrata f. terebrata* (Ach.) Müll.Arg., *Ocellularia terebrata var. terebrata* (Ach.) Müll.Arg., *Thelotrema terebratum* Ach., *Thelotrema terebratum f. subeminescens* Nyl., *Thelotrema terebratum f. terebratum* Ach., *Thelotrema terebratum var. terebratum* Ach.]
source: Nöske et al. (2007)

Ocellularia violacea Räsänen v

[*Ocellularia violacea var. glauca* Räsänen, *Ocellularia violacea var. violacea* Räsänen]
Klara Scharnagl 1815 [MSC], Klara Scharnagl 1938 [MSC]

Ocellularia viridipallens Müll.Arg. v

[*Thelotrema viridipallens* (Müll. Arg.) Shirley]
Klara Scharnagl 1851 [MSC], Klara Scharnagl 2033 [MSC], Klara Scharnagl 2054 [MSC], Klara Scharnagl 2071 [MSC], Klara Scharnagl 2086 [MSC], Klara Scharnagl 2215 [MSC]

Ochrolechia

Ochrolechia africana Vain.

[*Ochrolechia verrucosa* Kalb]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, in Weber (1966, 1986) and Elix & McCarthy (1998) as *Ochrolechia pallescens*, source: Elix & McCarthy (1998), Weber (1966, 1986); Bungartz, F. 8606 [CDS], Bungartz, F. 6758 [CDS], Bungartz, F. 5031 [CDS], Aptroot, A. 65632 [CDS], Bungartz, F. 4218 [CDS], Bungartz, F. 7191 [CDS], Truong, C. 1499 [CDS], Herrera-Campos,

M.A. GAL-455 [CDS], Jonitz, H. 24 [CDS], Yánez-Ayabaca, A. 1620 [CDS], Yánez-Ayabaca, A. 1641 [CDS], Bungartz, F. 8918 [CDS], Bungartz, F. 8937 [CDS], Bungartz, F. 9025 [CDS], Bungartz, F. 9071 [CDS], Bungartz, F. 9084 [CDS], Bungartz, F. 9128 [CDS], Bungartz, F. 9619 [CDS], Yánez-Ayabaca, A. 1914 [CDS], Bungartz, F. 9801 [CDS]

Ochrolechia austroamericana (Räsänen) Räsänen

[*Ochrolechia pallescens var. austroamericana* Räsänen]
source: Kukwa et al. (2013)

Ochrolechia parella (L.) A. Massal.

[*Gasparrinia pallescens var. parella* (L.) Tornab., *Lecanora pallescens var. parella* (L.) Schaer., *Lecanora parella* (L.) Ach., *Lecanora parella f. parella* (L.) Ach., *Lecanora parella f. phloeoleuca* Nyl., *Lecanora parella var. parella* (L.) Ach., *Lichen parellus* L., *Ochrolechia pallescens var. parella* (L.) Körb., *Ochrolechia parella f. phloeoleuca* (Nyl.) Zahlbr., *Parmelia pallescens f. parella* (L.) Durieu & Mont., *Parmelia pallescens var. parella* (L.) Fr., *Parmelia parella* (L.) Ach., *Parmelia parella f. rupestris* Schaer., *Patellaria parella* (L.) Hoffm., *Patellaria parella var. rupestris* DC., *Rinodina parella* (L.) Gray, *Variolaria lactea* Wahlenb. nom. illegit., *Verrucaria parella* (L.) F.H. Wigg.]
problematic, no modern record; the record in Cevallos (2012) is based on Návas (1908) from Pifo (near Quito), source: Návas (1908; as *Lecanora parella*), Cevallos (2012)

Ochrolechia pseudopallescens Brodo

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 302 [HUTPL], Benítez, A. 303 [HUTPL], Benítez, A. 304 [HUTPL], Benítez, A. 305 [HUTPL]

Opegrapha

Opegrapha agelaeotera Vain.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 6181 [CDS], Bungartz, F. 3896 [CDS], Aptroot, A. 64557 [CDS], Bungartz, F. 3323 [CDS], Bungartz, F. 6247 [CDS], Bungartz, F. 6275 [CDS], Bungartz, F. 5698 [CDS], Bungartz, F. 4444 [CDS], Bungartz, F. 5179 [CDS], Bungartz, F. 4382 [CDS], Bungartz, F. 4661 [CDS], Bungartz, F. 5910 [CDS], Bungartz, F. 5904 [CDS], Bungartz, F. 5924 [CDS], Bungartz, F. 6971 [CDS], Ertz, D. 11515 [CDS], Ertz, D. 11565 [CDS], Ertz, D. 11699 [CDS], Ertz, D. 11827 [CDS], Ertz, D. 11831 [CDS], Ertz, D. 11913 [CDS], Ertz, D. 11930 [CDS], Ertz, D. 12007 [CDS], Ertz, D. 12051 [CDS], Bungartz, F. 7177 [CDS], Bungartz, F. 7683 [CDS], Bungartz, F. 7711 [CDS], Bungartz, F. 7848 [CDS], Bungartz, F. 7849 [CDS], Bungartz, F. 7851 [CDS], Bungartz, F. 7881 [CDS], Bungartz, F. 7925 [CDS], Bungartz, F. 9450 [CDS], Bungartz, F. 9835 [CDS], Bungartz, F. 9467 [CDS], Bungartz, F. 9694 [CDS], Bungartz, F. 9709 [CDS]

Opegrapha astraea Tuck.

[*Melanographa leucina* Müll. Arg., *Melaspilea leucina* (Müll.Arg.) Müll.Arg., *Melaspilea octomera* Müll.Arg., *Opegrapha alborimosa* Zahlbr., *Opegrapha alborimosa f. alborimosa* Zahlbr., *Opegrapha alborimosa f. brevicarpa* Redinger, *Opegrapha alborimosa f. tenuirimis* Redinger, *Opegrapha alborimosa var. alborimosa* Zahlbr., *Opegrapha alborimosa var. candissima* Redinger, *Opegrapha alborimosa var. globulifica* Redinger, *Opegrapha alborimosa var. reticulata* Redinger, *Opegrapha alborimosa var. senescens* Redinger, *Opegrapha humilis* Müll.Arg., *Opegrapha interalbata* Nyl., *Opegrapha interveniens* Müll.Arg., *Opegrapha leucina* Müll.Arg. ex Shirley]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 63736 [CDS], Aptroot, A. 65299 [CDS], Ertz, D. 11705 [CDS], Bungartz, F. 9522 [CDS]

Opegrapha blakii Ertz & Diederich

* = lichenicolous fungi (parasites on living lichens); on sterile thallus similar to *Ochrolechia*, source: Ertz et al. (2004), Etayo (2017); K. Kalb 18420 [WIS]

Opegrapha cactacearum Riedl

source: van den Boom et al. (2022); Aptroot, A. 63064 [CDS], Bungartz, F. 6064 [CDS], Bungartz, F. 3836 [CDS], Bungartz, F. 3788 [CDS], Aptroot, A. 64422 [CDS], Bungartz, F. 6359 [CDS], Bungartz, F. 6360 [CDS], Bungartz, F. 5668 [CDS], Bungartz, F. 3782 [CDS], Ertz, D. 11523 [CDS], Ertz, D. 11535 [CDS], Ertz, D. 11537 [CDS], Ertz, D. 11693 [CDS], Nugra, F. 465 [CDS], Ertz, D. 12043 [CDS], Bungartz, F. 7193 [CDS], Bungartz, F. 7944 [CDS], Bungartz, F. 8372 [CDS], Bungartz, F. 8373 [CDS], Bungartz, F. 8376 [CDS], Bungartz, F. 8378 [CDS], Bungartz, F. 8382 [CDS], Bungartz, F. 6339 [CDS], Bungartz, F. 9812 [CDS], Bungartz, F. 9921 [CDS]

Opegrapha chapsae Etayo

* = lichenicolous fungi (parasites on living lichens); on *Chapsa* sp., Holotype QCA, Etayo 25926, source: Etayo (2017); Etayo, J. 25926 [hb. Etayo], Etayo, J. & Palice, Z. 25926 [QCAM]

Opegrapha diagrapha Nyl.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Ertz, D. 11524 [CDS], Jonitz, H. 53 [CDS]

Opegrapha difficilior Nyl.

source: Benítez (2016), Benítez et al. (2019); Bungartz, F. 3643 [CDS], Aptroot, A. 64112 [CDS], Bungartz, F. 5288 [CDS], Aptroot, A. 64382 A [CDS], Bungartz, F. 3745 [CDS], Ertz, D. 11522 [CDS], Dal-Forno, M. 1153 [CDS]

Opegrapha foreaui (C. Moreau & M. Moreau) Hafellner & R. Sant.

[*Telimena foreaui* C. Moreau & M. Moreau]
* = lichenicolous fungi (parasites on living lichens); on *Heterodermia* sp., source: Etayo (2017), van den Boom et al. (2022); Aptroot, A. 63266 A [CDS], Etayo, J. 20037 [hb. Etayo]

Opegrapha lambinonii Sérus.

source: Lücking (1999; as *Opegrapha* cf. *lambinonii*)

Opegrapha lopezariae Etayo & Sipman

* = lichenicolous fungi (parasites on living lichens); on *Lopezaria versicolor*, Holotype B, Sipman 52589, source: Etayo (2017)

Opegrapha melanospila Müll.Arg.

[*Mycobilimbia melanospila* (Müll. Arg.) Vouaux]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Ertz, D. 11698 B [CDS], Ertz, D. 11849 B [CDS], Ertz, D. 11868 [CDS]

Opegrapha ochroplaca Redinger

Klara Scharnagl 2142 [MSC]

Opegrapha porinicola Matzer

* = lichenicolous fungi (parasites on living lichens); on *Phyllophiale alba*, source: Lücking (1999)

Opegrapha serusiauxii Lücking

Holotype QCNE, Lücking 96-946, source: Lücking (2008); Lücking, R. 96-946 [INABIOEC-MECN-QCNE]

Opegrapha sphaerophoricola Isbrand & Alstrup

* = lichenicolous fungi (parasites on living lichens); on *Bunodophoron* sp., source: Etayo (2017); Etayo, J. 20153 [hb. Etayo]

Opegrapha stellanigra Etayo

* = lichenicolous fungi (parasites on living lichens); on *Sticta* cf. *filix*, Holotype QCA, Etayo 20116, source: Etayo (2017); Etayo, J. 19996 [hb. Etayo], Etayo, J. 20116 [hb. Etayo], Etayo, J. 25378 [hb. Etayo], Etayo, J. 25421 [hb. Etayo], Etayo, J. & Palice, Z. 20116 [QCAM]

Opegrapha trilocularis Müll.Arg.

source: Benítez (2016), Benítez et al. (2019); Aptroot, A. 63032 [CDS], Bungartz, F. 3835 [CDS], Bungartz, F. 3779 [CDS], Ertz, D. 11526 [CDS], Aptroot, A. 64382 B [CDS], Ertz, D. 11697 [CDS], Ertz, D. 11707 [CDS], Bungartz, F. 9275 [CDS], Bungartz, F. 9787 [CDS]

Opegrapha trochodes Coppins, F. Berger & Ertz

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 5845 [CDS]

Opegrapha uniseptata Matzer

* = lichenicolous fungi (parasites on living lichens); on *Strigula phyllogena*, source: Lücking (1999)

Opegrapha velata (Müll. Arg.) Vain.

[*Aulaxina velata* Müll.Arg.]
* = lichenicolous fungi (parasites on living lichens); on *Gyalectidium filicinum*, source: Lücking (1999), Lücking & Matzer (2001)

Opegrapha vulgata (Ach.) Ach.

[*Graphis vulgata* (Ach.) Wallr., *Graphis vulgata var. periblastetica* Wallr. nom.illegit., *Hysterina vulgata* (Ach.) Gray, *Lichen vulgatus* Ach., *Opegrapha cinerea* Chevall., *Opegrapha cinerea f. cinerea* Chevall., *Opegrapha confluens* (Ach.) Stizenb., *Opegrapha devulgata* Nyl., *Opegrapha lithyrga var. confluens* Ach., *Opegrapha vulgata f. vulgata* (Ach.) Ach., *Opegrapha vulgata var. cinerea* (Chevall.) Blomb. & Forssell, *Opegrapha vulgata var. devulgata* (Nyl.) H. Olivier, *Opegrapha vulgata var. parallela* Müll.Arg., *Opegrapha vulgata var. vulgata* (Ach.) Ach., *Pyrenotea lutea* Leight.]
source: Benítez et al. (2019; as *Opegrapha* aff. *vulgata*); Ertz, D. 11502 [CDS], Bungartz, F. 8901 [CDS], Bungartz, F. 9409 [CDS], Bungartz, F. 9541 [CDS]

Opegrapha xerica Torrente & Egea

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 9642 [CDS]

Orcularia

Orcularia elixii Kalb & Giralt

source: van den Boom & Elix (2022)

Orcularia insperata (Nyl.) Kalb & Giralt

[*Amandinea insperata* (Nyl.) H. Mayrhofer & Ropin, *Berengeria metabolica* (Ach.) Trevis., *Buellia biloculata* (Nyl.) H. Olivier, *Buellia biloculata var. biloculata* (Nyl.) H. Olivier, *Buellia polospora* (Leight.) Shirley, *Buellia polospora var. polospora* (Leight.) Shirley, *Lecania fuscella f. metabolica* (Ach.) Grummann, *Lecanora biloculata* (Nyl.) Nyl., *Lecanora insperata* Nyl., *Lecanora metabolica* Ach., *Lecidea biloculata* Nyl., *Lecidea insperata* (Nyl.) Nyl., *Lecidea polospora* Leight., *Lichen metabolicus* (Ach.) Lam., *Patellaria metabolica* (Ach.) DC., *Pseudobuellia biloculata* (Nyl.) B. de Lesd., *Rinodina biloculata* (Nyl.) Sheard, *Rinodina insperata* (Nyl.) Malme, *Rinodina metabolica* (Ach.) Anzi, *Rinodina metabolica var. exigua* (Ach.) Körb., *Rinodina metabolica var. maculiformis* (Hepp) Körb., *Rinodina metabolica var. metabolica* (Ach.) Anzi, *Rinodina metabolica var. phaeocarpa* Müll.Arg., *Rinodina metabolica var. volletica* Flörke, *Zeora metabolica* (Ach.) Flot., *Zeora metabolica var. metabolica* (Ach.) Flot.]
source: Marbach (2000); K. Kalb 18479 [WIS], K. Kalb 18504 [WIS], K. Kalb 18478 [WIS]

Oropogon

Oropogon aliphaticus Essl.

source: Sipman (1992); Calvin Sperling B1010b [hb. Esslinger]

Oropogon americanus Essl.

source: Sipman (1992); Lars Arvidsson 5898 [hb. Esslinger], Calvin R. Sperling 5288 [hb. Esslinger], Calvin Sperling 5119A [hb. Esslinger]

Oropogon barbaticus Essl.

source: Sipman (1992), van den Boom et al. (2022); R. Rosentreter 13,348 [SRP], Calvin R. Sperling 5119 [hb. Esslinger], Calvin Sperling B1010 [hb. Esslinger], Calvin R. Sperling 11 [hb. Esslinger]

Oropogon bicolor Essl.

source: Sipman (1992), van den Boom et al. (2022); Erik Asplund 277 [WIS], Calvin R. Sperling 5256 [hb. Esslinger], R. C. Harris 17323 [hb. Esslinger], Calvin Sperling B1010c [hb. Esslinger]

Oropogon byssaceus Essl.

U. Molau 2553 [hb. Esslinger]

Oropogon diffractaicus Essl.

source: Sipman (1992); R. C. Harris 17650 [hb. Esslinger]

Oropogon fissuratus Essl.

source: Sipman (1992); Calvin R. Sperling 5118 [hb. Esslinger], M. Lindstrom 5658 [hb. Esslinger], L. Arvidsson 5429 [hb. Esslinger]

Oropogon formosanus Asahina

source: Sipman (1992), Nöske et al. (2007), Mandl (2007); Calvin R. Sperling 5256 [hb. Esslinger], Calvin Sperling 5119B [hb. Esslinger]

Oropogon granulosus Essl.

source: Sipman (1992); Lars Arvidsson 5779 [hb. Esslinger]

Oropogon lorobic Essl.

source: Nöske et al. (2007), Mandl (2007); Lars Arvidsson 7198-A [hb. Esslinger]

Oropogon loxensis (Fée) Th. Fr.

[*Alectoria loxensis* (Fée) Nyl., *Alectoria loxensis var. loxensis* (Fée) Nyl., *Atestia loxensis* (Fée) Trevis., *Cornicularia loxensis* Fée, *Oropogon loxensis f. loxensis* (Fée) Th. Fr., *Oropogon loxensis var. loxensis* (Fée) Th. Fr.]
source: Müller (1879), Zahlbruckner (1905, 1907), Sipman (1992), van den Boom et al. (2022); C. Sperling B-1011 [ASU], S.R. Gradstein 169 [ASU], Asplund, E 47 [MSC], Asplund, E 277 [MSC], Harriet G. Barclay 9073 [WIS], C. H. Dodson 1366 [WIS], Harriet G. Barclay 8821C [WIS], P. K. Armstrong 650 [WIS], Patricia K. Armstrong 650 [WIS], Culberson, William, L.... 20204 [DUKE], Sperling, Calvin, R.... B1011 [DUKE], Culberson, William, L.... 20209 [DUKE], Culberson, William, L.... 20246 [DUKE], Culberson, William, L.... 20185 [DUKE], Culberson, William, L.... 20196 [DUKE], Culberson, William, L.... 20197 [DUKE], Culberson, William, L.... 20258 [DUKE], Culberson, William, L.... 20354 [DUKE], K. Kalb & A. Kalb 1987-08-12 [UPS], COLO-L-0082409 [COLO], Calvin Sperling 21 August 1980 [hb. Esslinger], Calvin Sperling B1007 [hb. Esslinger], Calvin R. Sperling 5257 [hb. Esslinger], Lois Brako 4429 [hb. Esslinger], Calvin R. Sperling 5289 [hb. Esslinger], Calvin R. Sperling 5120 [hb. Esslinger], Calvin Sperling B1011 [hb. Esslinger], Lois Brako 4491b [hb. Esslinger], E. Asplund 47 [O], E. Asplund 277 [O], C. R. Sperling... s.n. [US], R. C. Harris s.n. [US], L. B. Holm-Nielsen... s.n. [US], L. B. Holm-Nielsen... s.n. [US], Simon Lægaard... 1999-11-21 [LD], E. Asplund 1939-09-11 [LD], Calvin Sperling... 1980-08-11 [LD], Erik Asplund 1939-05-23 [LD], Kalb, K. 1987-08-12 [CANB], Kalb, K. 1987-08-12 [CANB], Erik Asplund L224 [S], Erik Asplund L49 [S], R. C. Harris 17100 [S], A. Rimbach [S], Erik Asplund 240 [S], Erik Asplund L417 [S], Gunnar Harling 1930 [S]

Oropogon macilentus Essl.

source: Sipman (1992), Jørgensen & Arvidsson (2004); Calvin R. Sperling 5258 [hb. Esslinger]

Oropogon pendulus Essl.

source: Sipman (1992)

Oropogon sperlingii Essl.

source: Sipman (1992); R.C. Harris 17200 [hb. Esslinger]

Ovicuculispora

Ovicuculispora parmeliae (Berk. & M. A. Curtis) Etayo

[*Cucurbitaria heterospora* (Speg.) Kuntze, *Diplodia parmeliae* Berk. & M.A. Curtis, *Diplodina parmeliae* (Berk. & M.A. Curtis) Sacc., *Nectria diplocarpa* Ellis & Everh., *Nectria heterospora* Speg., *Nectria parmeliae* (Berk. & Curt.) D. Hawskw., *Nectriopsis parmeliae* (Berk. & M. A. Curtis) M. S. Cole & D. Hawksw.]
* = lichenicolous fungi (parasites on living lichens); on *Lobariella crenulata*, *Phaeophyscia* sp., *Parmotrema*, and *Flavopunctelia flaventior*, source:

Etayo (2017), van den Boom et al. (2022); Etayo, J. 20164 [hb. Etayo]

Pachnolepia

Pachnolepia pruinata (Pers.) Frisch & G. Thor

[*Arthonia chiodectella* Nyl., *Arthonia impolita* (Hoffm.) Borrer, *Arthonia impolita f. impolita* (Hoffm.) Borrer, *Arthonia impolita f. subtilis* (Erichsen) Zahlbr., *Arthonia impolita var. chiodectonoides* Tuck., *Arthonia impolita var. fuscescens* Erichsen, *Arthonia impolita var. impolita* (Hoffm.) Borrer, *Arthonia impolita var. macrospora* Erichsen, *Arthonia pruinata* (Pers.) A. L. Sm., *Arthonia pruinosa* Ach., *Arthonia pruinosa var. pruinosa* Ach., *Arthonia pruinosa var. spilomatica* Ach., *Lecanactis impolita* (Ehrh.) Fr., *Leprantha impolita* (Ehrh.) Körb., *Lichen impolitus* Ehrh., *Lichen pruinatus* Pers., *Opegrapha impolita* (Ehrh.) M. Choisy, *Pachnolepia impolita* (Ehrh.) A. Massal., *Parmelia impolita* (Ehrh.) Ach., *Urceolaria impolita* (Ehrh.) Link, *Verrucaria impolita* (Ehrh.) Hoffm.]
source: Benítez et al. (2019); Benítez, A. 3 [HUTPL]

Pallidogramme

Pallidogramme chrysenteron (Mont.) Staiger, Kalb & Lucking

[*Graphis chrysenteron* Mont., *Leucogramma chrysenteron* (Mont.) A. Massal., *Phaeographina chrysenteron* (Mont.) Müll.Arg.]
source: van den Boom et al. (2022)

Pannaria

Pannaria andina P.M. Jørg. & Sipman

Holotype GB, Arvidsson & Nilson 1984, source: Jørgensen & Arvidsson (2004), Jørgensen & Sipman (2004), Nöske et al. (2007), Benítez et al. (2012, 2015; as *Parmeliella andina*), Benítez (2016; as *Parmeliella andina*); Benítez, A. 311 [HUTPL], Arvidsson, L.; Nilson, D. 1984 [GB], Etayo, J. 25843 [hb. Etayo], Etayo, J. 27015 [hb. Etayo]

Pannaria conoplea (Ach.) Bory

[*Imbricaria conoplea* (Ach.) DC., *Pannaria pityrea* (DC.) Degel. [G. Nilsson], *Pannaria rubiginosa var. conoplea* (Ach.) Körb., *Parmelia conoplea* Ach.]
source: Davey (1999), Jørgensen & Arvidsson (2004), Nöske et al. (2007), Benítez et al. (2012, 2015), Benítez (2016), Chuquimarca et al. (2019); Benítez, A. 308 [HUTPL]

Pannaria hookeri (Borrer) Nyl.

[*Lecanora hookeri* (Borrer) Hook., *Lecanora leucolepis* (Wahlenb.) Ach., *Lichen hookeri* Borrer, *Lichen leucolepis* Wahlenb., *Pannaria leucolepis* (Wahlenb.) Nyl., *Parmelia leucolepis* (Wahlenb.) Wallr., *Squamaria leucolepis* Hook., *Zeora hookeri* (Borrer) Flot.]
source: Jørgensen & Palice (2010)

Pannaria malmei Dodge

source: Jørgensen & Arvidsson (2004), Jørgensen & Sipman (2004)

Pannaria mosenii C.W. Dodge

source: Jørgensen & Arvidsson (2004), Jørgensen & Sipman (2004), Benítez et al. (2012, 2015), Benítez (2016); Benítez, A. 309 [HUTPL]

Pannaria pannosa (Sw.) Nyl.

[*Lecidea pannosa* (Sw.) Ach., *Lichen pannosus* Sw., *Pannaria mariana var. pannosa* (Sw.) Hue, *Parmelia pannosa* (Sw.) Sw., *Parmeliella pannosa* (Sw.) Müll. Arg., *Parmeliella pannosa var. pannosa* (Sw.) Müll. Arg.]
source: Jørgensen & Arvidsson (2004), Nöske & Sipman (2004), Mandl (2007), Nöske (2005), Nöske et al. (2007), van den Boom et al. (2022); Etayo, J. 25710 [hb. Etayo], Etayo, J. 26342 [hb. Etayo], Etayo, J. 26352 [hb. Etayo]

Pannaria prolificans Vain.

source: Jørgensen & Arvidsson (2004), Benítez et al. (2012, 2015); Benítez, A. 310 [HUTPL], Etayo, J. 25806 [hb. Etayo]

Pannaria rubiginosa (Ach.) Delise

[*Amphiloma rubiginosum* (Ach.) Hepp, *Lecanora rubiginosa* (Ach.) Nyl., *Lichen affinis* Dicks., *Lichen crenulatus* With., *Lichen rubiginosus* Ach., *Parmelia plumbea var. affinis* (Dicks.) Taylor, *Parmelia rubiginosa* (Ach.) Ach., *Parmelia rubiginosa var. araneosa* C. Bab., *Parmelia rubiginosa var. rubiginosa* (Ach.) Ach., *Squamaria affinis* (Dicks.) Hook., *Trachyderma rubiginosum* (Ach.) Norman, *Zeora rubiginosa* (Ach.) Flot.]
parasitized by *Roselliniella pannariae*, source: Leighton (1866), Jørgensen & Arvidsson (2004), Jørgensen & Sipman (2004), Nöske & Sipman (2004), Nöske et al. (2007), van den Boom et al. (2022), Etayo (2017); J. Etayo 17241 [hb. Etayo], Etayo, J. 17339 [hb. Etayo], Etayo, J. 20104 [hb. Etayo], J. Etayo 25591 [hb. Etayo], Etayo, J. 25662 [hb. Etayo], Etayo, J. 25754 [hb. Etayo], Etayo, J. 25821 [hb. Etayo], Etayo, J. 26348 [hb. Etayo], Etayo, J. 26415 [hb. Etayo]

Pannaria tavaresii P.M. Jørg.

source: Jørgensen & Arvidsson (2004), Nöske & Sipman (2004), Nöske et al. (2007)

Paragyalideopsis

Paragyalideopsis breussii Etayo

* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp., Holotype QCA, Etayo 19941, source: Etayo (2017); Etayo, J. 19941 [hb. Etayo], Etayo, J. & Palice, Z. 19941 [QCAM]

Paragyalideopsis floridae (Etayo & Diederich) Etayo

[*Gyalideopsis floridae* Etayo & Diederich]
* = lichenicolous fungi (parasites on living lichens); on *Parmotrema* sp., source: Etayo (2017)

Paragyalideopsis minuta Etayo

* = lichenicolous fungi (parasites on living lichens); on *Trypethelium annulare*, Holotype QCA, Etayo 20154, source: Etayo (2017); Etayo, J. 20154 [hb. Etayo], Etayo, J. & Palice, Z. 20154 [QCAM]

Parainoa

Parainoa subconcolor (Anzi) Resl & T. Sprib.

[*Biatora subconcolor* Anzi, *Lecidea subconcolor* (Anzi) Jatta, *Trapelia subconcolor* (Anzi) Hertel, *Trapeliopsis subconcolor* (Anzi) Hertel]
J. Etayo & Z. Palice 8600 [F], J. Etayo & Z. Palice 8354 [F]

Parallopsora

Parallopsora brakoae (Timdal) Kistenich, Timdal & Bendiksby

[*Phyllopsora brakoae* Timdal]
source: Fernández-Prado et al. (2022)

Parapyrenis

Parapyrenis aurora (Zahlbr.) Aptroot

[*Microthelia aurora* Zahlbr.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 63057 [CDS]

Parasiphula

Parasiphula complanata (Hook. f. & Taylor) Kantvilas & Grube

[*Siphula complanata* (Hook. f. & Taylor) Ohlsson nom. inval., *Siphula complanata* (Hook. f. & Taylor) R. Sant. nom. inval., *Siphula patagonica* Vain., *Siphula subcoriacea* Müll.Arg., *Siphula subcoriacea var. subcoriacea* Müll.Arg., *Sphaerophorus complanatus* Hook. f. & Taylor]

source: Arvidsson (1991), Sipman (1999), Cevallos (2012), Bussmann & Sharon (2009; mentioning ethnobotanical use of a not closely determined *Siphula*)

Parmelia

Parmelia camtschadalis (Ach.) Eschw.

[*Borrera camtschadalis* Ach., *Evernia camtschadalis* (Ach.) Mont., *Imbricaria camtschadalis* (Ach.) Jatta, *Parmelia camtschadalis f. camtschadalis* (Ach.) Eschw., *Parmelia camtschadalis var. camtschadalis* (Ach.) Eschw., *Xanthoparmelia camtschadalis* (Ach.) Hale]

Parmelia camtschadalis f. tenuis Müll.Arg.

[*Parmelia camtschadalis var. tenuis* (Müll. Arg.) Jatta, *Parmelia cirrhata f. tenuis* (Müll. Arg.) Zahlbr.]

problematic name not resolved; Müller (1879) suggests it is similar to *Leucodermia leucomelos* (≡ *Physcia leucolema*), source: Müller (1879)

Parmelia caraccensis Taylor

[*Hypotrachyna caraccensis* (Taylor) Hale, *Parmelia caraccensis f. caraccensis* Taylor, *Parmelia caraccensis var. caraccensis* Taylor, *Parmelia cervicornis f. caraccensis* (Taylor) Hue, *Parmelia sinuosa var. caraccensis* (Taylor) Linds.]

Parmelia caraccensis f. adspersa Zahlbr.

Type: Ecuador. El Altar: Auf dem Erdboden, steril, bei 4200 m Seehöhe [N. 341; W – ?holotype, according to Zahlbruckner (1905, p. 82)].;
problematic, name not resolved, no modern record, source: Zahlbruckner (1905; as *Parmelia caracassana* var. *guatemalensis* f. *adspersa*)

Parmelia caraccensis var. guatemalensis J. Steiner

problematic, no modern record, source: Zahlbruckner (1905)

Parmelia cervicornis Tuck. ex Nyl.

[*Parmelia laevigata var. cervicornis* (Tuck. ex Nyl.) Leight.]
problematic, no modern record, source: Leighton (1866)

Parmelia confusa Du Rietz

problematic; an exsiccati specimen collected and identified by Asplund #82 as *Parmelia confusa* [Lichenes Austroamericani ex herbario Regnelliano (Santesson, Lich. Austroamer. Herb. Regnelliano [Stockholm] #355)] in WIS has been annotated by Hale as *Parmelia nepalense*, the specimen in S is also identified as such, but a specimen in O is annotated as *Parmotrema confusum*; none of these names are synonymous; Erik Asplund 82 [WIS]

Parmelia hildebrandtii Kremp.

problematic, name not resolved, no modern record, source: Müller (1891)

Parmelia laevigata (Sm.) Ach.

[*Hypotrachyna laevigata* (Sm.) Hale, *Imbricaria laevigata* (Sm.) Arnold, *Lichen laevigatus* Sm., *Parmelia boliviana var. cephalota* Zahlbr., *Parmelia laevigata f. furfuracea* Müll.Arg., *Parmelia laevigata f. laevigata* (Sm.) Ach., *Parmelia laevigata f. luteoreagens* Degel., *Parmelia laevigata f. roseoreagens* Degel., *Parmelia laevigata f. sorediata* Zahlbr., *Parmelia laevigata subsp. extremi-orientalis* Asahina, *Parmelia laevigata subsp. laevigata* (Sm.) Ach., *Parmelia laevigata var. laevigata* (Sm.) Ach., *Parmelia laevigata var. obscuratella* Müll.Arg., *Parmelia laevigata var. tropica* Zahlbr., *Parmelia laevigata var. xanthomyela* (Nyl.) Boistel, *Parmotrema laevigatum* (Sm.) M. Choisy]

Parmelia laevigata var. obscurata Müll. Arg.

problematic, name not resolved, no modern record, source: Müller (1879), Romeguère (1879)

Parmelia saxatilis (L.) Ach.

[*Geissodea saxatilis* (L.) J. St.-Hil., *Imbricaria saxatilis* (L.) Körb., *Imbricaria saxatilis f. nigrescens* Britzelm., *Imbricaria saxatilis f. saxatilis* (L.) Körb., *Imbricaria saxatilis var. omphalodes* (L.) Körb., *Imbricaria saxatilis var. saxatilis* (L.) Körb., *Lichen laciniatus var. saxatilis* (L.) Weiss, *Lichen saxatilis* L., *Parmelia quercina f. furfuracea* (Schaer.) Zahlbr., *Parmelia saxatilis f. caesiopruinosa* Nyl. ex Cromb., *Parmelia saxatilis f. furfuracea* Schaer., *Parmelia saxatilis var. aizonii* Delise ex Duby, *Parmelia saxatilis var. furfuracea* (Schaer.) Linds., *Parmelia saxatilis var. panniformis*, *Parmotrema saxatile* (L.) M. Choisy, *Parmotrema saxatile var. aizoni* (Delise) M. Choisy, *Parmotrema saxatile var. saxatile* (L.) M. Choisy, *Platysma saxatile* (L.) Frege]

source: Davey (1999), Cevallos (2012)

Parmeliella

Parmeliella angustiloba P.M. Jørg. & Arv.

Holotype GB, Arvidsson et al. 6418, source: Jørgensen & Arvidsson (2004); L. Arvidsson... 6418 dupl. [BG], Arvidsson, L.... 6418 [GB]

Parmeliella conopleioides P.M. Jørg.

source: Jørgensen & Arvidsson (2004)

Parmeliella corallina P.M. Jørg. & Palice

Holotype PRA, Kulíšek, Palice 4387, source: Jørgensen & Palice (2010)

Parmeliella delicata P.M. Jørg. & Arv.

parasitized by *Pygmaeosphaera sipmaniana*, Holotype GB, Arvidsson & Nilsson 2095, source: Etayo (2017), Nöske et al. (2007), Jørgensen & Arvidsson (2004), Benítez et al. (2012, 2015), Benítez (2016); L. Arvidsson, Dan Nilsson 2095 dupl. [BG], Benítez, A. 312 [HUTPL], Arvidsson, L.; Nilson, D. 2095 [GB]

Parmeliella expansa P.M. Jørg. & Arv.

Holotype GB, Arvidsson & Arvidsson 3094, source: Jørgensen & Arvidsson (2004); L. Arvidsson, A. 3094 dupl. [BG], Arvidsson, L.... 3094 [GB]

Parmeliella isidiopannosa P.M. Jørg.

source: Jørgensen & Arvidsson (2004), Nöske et al. (2007)

Parmeliella miradorensis Vain.

source: Nöske et al. (2007), Jørgensen & Arvidsson (2004), Jørgensen (2000), Benítez et al. (2012, 2015), Benítez (2016); Benítez, A. 313 [HUTPL]

Parmeliella paramensis P.M. Jørg. & Arv.

Holotype GB, Arvidsson & Arvidsson 2729, source: Jørgensen & Arvidsson (2004); Arvidsson, L.... 2729 [GB]

Parmelina

Parmelina lindmanii (Lynge) Hale

[*Myelochroa lindmanii* (Lynge) Elix & Hale, *Parmelia lindmanii* Lynge, *Parmelinella lindmanii* (Lynge) A.S.Rodrigues, Canez & A.P.Lorenz, *Parmotrema lindmanii* (Lynge) Kurok.]

source: Cevallos (2012), van den Boom et al. (2022)

Parmelinella

Parmelinella wallichiana (Taylor) Elix & Hale

[*Parmelia wallichiana* Taylor, *Parmelina wallichiana* (Taylor) Hale, *Pseudoparmelia wallichiana* (Taylor) Krog & Swinscow]

source: van den Boom et al. (2022); Nugra, F. 70 A [CDS]

Parmotrema

Parmotrema andinum (Müll. Arg.) Hale

[*Parmelia andina* Müll. Arg.]
Typification: André 4324; Lectotype G, Hannington s.n. (Designated by Hale, Contr. U.S. natnl. Herb. 36(5): 236. 1965). Registration Identifier 596457; problematic, no modern record, source: Müller (1879), Romeguère (1879)

Parmotrema arnoldii (Du Rietz) Hale

[*Imbricaria nilgherrensis* Arnold, *Parmelia arnoldii* Du Rietz, *Parmelia arnoldii f. arnoldii* Du Rietz, *Parmelia arnoldii f. pallescens* Asahina, *Parmelia arnoldii f. subpallecsens* Kurok., *Parmelia subarnoldii* Abbayes, *Parmotrema subarnoldii* (Abbayes) Hale]
source: Nöske & Sipman (2004), Ochoa-Jiménez et al. (2015, 2018), Benítez et al. (2012, 2015), Benítez (2016), Benítez et al. (2019), Chuquimarca et al. (2019); Benítez, A. 317 [HUTPL]

Parmotrema austrosinense (Zahlbr.) Hale

[*Parmelia austrosinensis* Zahlbr.]
source: Benítez et al. (2012, 2015), Chuquimarca et al. (2019); Benítez, A. 318 [HUTPL]

Parmotrema bangii (Vain.) Hale

[*Parmelia bangii* Vain.]
source: González et al. (2019), Fernández-Prado et al. (2022); Bungartz, F. 5493 [CDS]

Parmotrema cactacearum Bungartz & Spielmann

native, questionably endem., Holotype: Bungartz 5888 [CDS 33565], source: Bungartz & Spielmann (2019); Bungartz, F. 5888 [CDS]

Parmotrema cetratum (Ach.) Hale

[*Parmelia cetrata* Ach., *Parmelia cetrata f. cetrata* Ach., *Parmelia cetrata var. cetrata* Ach., *Parmelia perforata subsp. cetrata* (Ach.) Tuck., *Parmelia perforata var. cetrata* (Ach.) Fr., *Rimelia cetrata* (Ach.) Hale & Fletcher]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007); Erik Asplund L19 [S]

Parmotrema clavuliferum (Räsänen) Streimann

[*Parmelia clavulifera* Räsänen, *Rimelia clavulifera* (Räsänen) Kurok.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz & Spielmann (2019); Bungartz, F. 3916 [CDS], Bungartz, F. 4804 [CDS], Bungartz, F. 5900 [CDS], Nugra, F. 394 [CDS], Bungartz, F. 7117 [CDS], Bungartz, F. 7388 [CDS], Bungartz, F. 7498 [CDS], Bungartz, F. 7608 [CDS], Herrera-Campos, M.A. GAL-441 [CDS], Nugra, F. 445 [CDS], Aptroot, A. 63159 [CDS], Nugra, F. 84 [CDS], Aptroot, A. 63769 [CDS], Nugra, F. 414 [CDS], Bungartz, F. 3320 [CDS], Aptroot, A. 64069 [CDS], Nugra, F. 338 [CDS], Nugra, F. 411 [CDS], Aptroot, A. 63152 [CDS], Bungartz, F. 3311 [CDS], Aptroot, A. 65456 [CDS], Aptroot, A. 65270 [CDS], Aptroot, A. 65193 [CDS], Bungartz, F. 8790 [CDS], Spielmann, A.A. 8179 [CDS], Bungartz, F. 10226 [CDS], Bungartz, F. 6589 [CDS], Spielmann, A.A. 10450 [CDS], Bungartz, F. 10958 [CDS], Bungartz, F. 7454 [CDS], Clerc, P. 08-84 [CDS], Yánez-Ayabaca, A. 2124 [CDS], Bungartz, F. 9953 [CDS], Yánez-Ayabaca, A. 2029 [CDS], Yánez-Ayabaca, A. 2016 [CDS], Bungartz, F. 8598 [CDS], Bungartz, F. 7389 [CDS], Bungartz, F. 6602 [CDS], Bungartz, F. 6578 [CDS], Bungartz, F. 7901 [CDS], Bungartz, F. 7390 [CDS]

Parmotrema commensuratum (Hale) Hale

[*Parmelia commensurata* Hale, *Rimelia commensurata* (Hale) Hale & Fletcher]
source: Nöske et al. (2007)

Parmotrema conferendum Hale

[*Canomaculina conferenda* (Hale) Elix, *Rimeliella conferenda* (Hale) Kurok.]
source: Chuquimarca et al. (2019)

Parmotrema conformatum (Vain.) Hale

[*Parmelia conformata* Vain.]
source: Nöske & Sipman (2004), Nöske et al. (2007); Aptroot, A. 64963 [CDS], Bungartz, F. 3914 [CDS], Bungartz, F. 4338 [CDS], Aptroot, A. 64572 [CDS], Bungartz, F. 8535 [CDS]

Parmotrema confusum Hale

problematic; an exsiccati specimen collected and identified by Asplund #82 as *Parmelia confusa* [Lichenes Austroamericani ex herbario Regnelliano (Santesson, Lich. Austroamer. Herb. Regnelliano [Stockholm] #355)] in WIS has been annotated by Hale as *Parmelia nepalense*, the specimen in S is also identified as such, but a specimen in O is annotated as *Parmotrema confusum*; none of these names are synonymous; E. Asplund 82 [O]

Parmotrema cooperi (J. Steiner & Zahlbr.) Sérus.

[*Parmelia cooperi* J. Steiner & Zahlbr.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz & Spielmann (2019); Aptroot, A. 65659 [CDS]

Parmotrema coralliforme (Hale) Hale

[*Parmelia coralliformis* Hale]
source: van den Boom et al. (2022)

Parmotrema crinitum (Ach.) Choisy

[*Imbricaria crinita* (Ach.) Arnold, *Imbricaria proboscidea* (Taylor) Jatta, *Parmelia chlorocarpa* Müll. Arg., *Parmelia crinita* Ach., *Parmelia crinita var. crinita* Ach., *Parmelia crinita var. inactiva* H. Magn., *Parmelia perforata subsp. crinita* (Ach.) Tuck., *Parmelia perlata f. dissectula* Nyl., *Parmelia proboscidea* Taylor, *Parmelia proboscidea f. bulbifera* Hue, *Parmelia proboscidea f. proboscidea* Taylor, *Parmelia proboscidea f. sorediifera* (Müll.Arg.) Müll.Arg., *Parmelia proboscidea var. corallina* Müll.Arg., *Parmelia proboscidea var. eciliata* J.D. Zhao, *Parmelia proboscidea var. ornatula* Zahlbr., *Parmelia proboscidea var. proboscidea* Taylor, *Parmelia proboscidea var. saxicola* Sambo, *Parmelia proboscidea var. sorediifera* Müll.Arg.]
native, indigenous, source: Bungartz & Spielmann (2019), Elix & McCarthy (1998), Weber (1986); T.H. Nash III 23821 [ASU], Bungartz, F. 4188 [CDS], Bungartz, F. 6754 [CDS], Aptroot, A. 65208 [CDS], Nugra, F. 628 [CDS], Clerc, P. 08-172 A [CDS], Aptroot, A. 64697 [CDS], Aptroot, A. 64862 [CDS], Aptroot, A. 63770 [CDS], Bungartz, F. 7566 A [CDS], Bungartz, F. 9317 [CDS], Bungartz, F. 9336 [CDS], Yánez-Ayabaca, A. 1752 [CDS], Yánez-Ayabaca, A. 1760 [CDS], Yánez-Ayabaca, A. 1853 [CDS], Yánez-Ayabaca, A. 1857 [CDS], Yánez-Ayabaca, A. 2086 [CDS], Yánez-Ayabaca, A. 2090 [CDS], Bungartz, F. 8542 [CDS], Spielmann, A.A. 10720 [CDS], Spielmann, A.A. 10722 [CDS], Nugra, F. 627 [CDS], Bungartz, F. 8659 [CDS], Nugra, F. 646 [CDS], Bungartz, F. 10258 [CDS], Bungartz, F. 4181 [CDS], Yánez-Ayabaca, A. 2108 [CDS], Spielmann, A.A. 10678 [CDS], Bungartz, F. 9500 [CDS], Clerc, P. 08-55 [CDS], Spielmann, A.A. 10719 [CDS], Spielmann, A.A. 10644 [CDS], Spielmann, A.A. 10460 [CDS], Spielmann, A.A. 10667 [CDS], Spielmann, A.A. 10698 [CDS], Ertz, D. 11829 [CDS], Bungartz, F. 9582 [CDS], Harris, R.C. 17794 [CANB]

Parmotrema cristiferum (Taylor) Hale

[*Parmelia cristifera* Taylor, *Parmelia cristifera f. cinerata* Zahlbr., *Parmelia cristifera f. cristifera* Taylor, *Parmelia cristifera f. pallida* Räsänen, *Parmelia cristifera var. abissinica* Sambo, *Parmelia cristifera var. cristifera* Taylor, *Parmelia perforata var. ulophylla* Meyen & Flot.]
source: Dodge (1936), Weber (1966, 1981, 1986), Elix & McCarthy (1998), Benítez et al. (2012, 2015), Benítez (2016), Bungartz & Spielmann (2019), Chuquimarca et al. (2019; as *P. chinense*); Bungartz, F. 3953 [CDS], Bungartz, F. 3528 [CDS], Bungartz, F. 3471 [CDS], Bungartz, F. 4262 [CDS], Bungartz, F. 4261 [CDS], Bungartz, F. 3731 [CDS], Bungartz, F. 3735 [CDS], Bungartz, F. 4189 [CDS], Bungartz, F. 4950 [CDS], Bungartz, F. 4951 [CDS], Bungartz, F. 6760 [CDS], Bungartz, F. 5890 [CDS], Bungartz, F. 5846 [CDS], Bungartz, F. 4959 [CDS], Bungartz, F. 5722 [CDS], Bungartz, F. 5788 [CDS], Nugra, F. 331 [CDS], Pozo, P. 1885 [CDS], Nugra, F. 544 [CDS], Nugra, F. 578 [CDS], Nugra, F. 616 [CDS], Bungartz, F. 8264 [CDS], Bungartz, F. 8488 [CDS], Bungartz, F. 8514 [CDS], Aptroot, A. 64055 [CDS], Nugra, F. 221 [CDS], Aptroot, A. 63138 [CDS], Aptroot, A. 63775 [CDS], Aptroot, A. 63828 [CDS], Nugra, F. 277 [CDS], Aptroot, A. 63919 [CDS], Nugra, F. 273 [CDS], Nugra, F. 313 [CDS], Nugra, F. 297 [CDS], Bungartz, F. 6672 [CDS], Nugra, F. 3 [CDS], Nugra, F. 213 [CDS], Nugra, F. 416 [CDS], Nugra, F. 141 B [CDS], Aptroot, A. 64315 [CDS], Aptroot, A. 64841 [CDS], Aptroot, A. 64509 [CDS], Aptroot, A. 65271 [CDS], Spielmann, A.A. 8183 [CDS], Spielmann, A.A. 8177 [CDS], Bungartz, F. 9954 A [CDS], Bungartz, F. 10011 [CDS], Yánez-Ayabaca, A. 1764 [CDS], Yánez-Ayabaca, A. 1780 [CDS], Yánez-Ayabaca, A. 1837 [CDS], Yánez-Ayabaca, A. 1850 [CDS], Yánez-Ayabaca, A. 1852 [CDS], Yánez-Ayabaca, A. 1942 [CDS], Yánez-Ayabaca, A. 2028 [CDS], Yánez-Ayabaca, A. 2097 [CDS], Spielmann, A.A. 10381 [CDS], Hillmann, G. GAL-35 [CDS], Nugra, F. 609 [CDS], Nugra, F. 1100 [CDS], Spielmann, A.A. 10373 [CDS], Nugra, F. 1119 [CDS], Bungartz, F. 6861 [CDS], Bungartz, F. 9411 [CDS], Nugra, F. 1013 [CDS], Spielmann, A.A. 10693 [CDS], Nugra, F. 897 [CDS], Herrera-Campos, M.A. 10641 [CDS], Herrera-Campos, M.A. 10548 [CDS], Nugra, F. 1018 [CDS], Herrera-

Campos, M.A. 10629 [CDS], Spielmann, A.A. 10378 [CDS], Nugra, F. 1006 [CDS], Spielmann, A.A. 10380 A [CDS], Spielmann, A.A. 10636 [CDS], Spielmann, A.A. 10368 [CDS], Yánez-Ayabaca, A. 1835 A [CDS], Spielmann, A.A. 10422 [CDS], Clerc, P. 08-133 [CDS], Spielmann, A.A. 8184 A [CDS], Simbaña, W. 567 [CDS], Spielmann, A.A. 8178 [CDS], Spielmann, A.A. 8187 [CDS], Spielmann, A.A. 8188 [CDS], Spielmann, A.A. 8152 [CDS], Clerc, P. 08-93 A [CDS], Spielmann, A.A. 10695 [CDS], Hillmann, G. GAL-127 [CDS], Yánez-Ayabaca, A. 1801 [CDS], Simbaña, W. 559 [CDS], Clerc, P. 08-34 [CDS], Nugra, F. 626 [CDS], Spielmann, A.A. 10647 [CDS], Bungartz, F. 10062 [CDS], Bungartz, F. 9637 [CDS], Bungartz, F. 7665 [CDS], Spielmann, A.A. 10668 [CDS], Spielmann, A.A. 10670 [CDS], Yánez-Ayabaca, A. 1839 [CDS], Spielmann, A.A. 8176 [CDS], Bungartz, F. 5586 [CDS], Spielmann, A.A. 8155 [CDS], Spielmann, A.A. 8175 [CDS], Clerc, P. 08-172 B [CDS], Benítez, A. 319 [HUTPL]

Parmotrema cristobalii (L.I. Ferraro & Elix) O. Blanco, A. Crespo, Divakar, Elix & Lumbsch

[*Canomaculina cristobalii* (L.I. Ferraro & Elix) Elix, *Rimeliella cristobalii* L.I. Ferraro & Elix, Mycotaxon 49: 406 (1993)]
source: Benítez et al. (2012, 2015); Benítez, A. 115 [HUTPL]

Parmotrema dilatatum (Vain.) Hale

[*Parmelia dilatata* Vain.]
native, indigenous, source: Bungartz & Spielmann (2019), Elix & McCarthy (1998), Weber (1986); Bungartz, F. 8458 [CDS], Bungartz, F. 8460 [CDS], Bungartz, F. 6939 [CDS], Yánez-Ayabaca, A. 1979 [CDS], Bungartz, F. 6952 [CDS], Bungartz, F. 9980 [CDS], Bungartz, F. 6287 [CDS], Bungartz, F. 6740 [CDS]

Parmotrema dominicanum (Vain.) Hale

[*Parmelia dominicana* Vain.]
source: Fernández-Prado et al. (2022); Bungartz, F. 7886 [CDS], Weber, W.A. s.n. [CDS], Aptroot, A. 63051 [CDS], Aptroot, A. 63312 [CDS], Aptroot, A. 64201 [CDS], Bungartz, F. 3337 [CDS], Aptroot, A. 65609 [CDS], Aptroot, A. 64917 [CDS], Aptroot, A. 63434 [CDS], Bungartz, F. 6216 [CDS], Bungartz, F. 6232 [CDS], Bungartz, F. 6318 [CDS], Bungartz, F. 6396 [CDS], Bungartz, F. 6405 [CDS], Bungartz, F. 6751 [CDS], Bungartz, F. 5686 [CDS], Bungartz, F. 5687 [CDS], Bungartz, F. 6510 [CDS], Bungartz, F. 5915 [CDS], Bungartz, F. 5962 [CDS], Bungartz, F. 7352 [CDS], Herrera-Campos, M.A. 10600 [CDS], Bungartz, F. 8213 [CDS], Bungartz, F. 8607 [CDS], Herrera-Campos, M.A. GAL-419 [CDS], Yánez-Ayabaca, A. 1663 [CDS], Yánez-Ayabaca, A. 1668 [CDS], Bungartz, F. 9529 [CDS], Yánez-Ayabaca, A. 1963 [CDS], Yánez-Ayabaca, A. 1698 B [CDS], Aptroot, A. 63717 [CDS], Aptroot, A. 63718 [CDS], Herrera-Campos, M.A. 10601 [CDS], Bungartz, F. 6993 [CDS], Bungartz, F. 8667 [CDS], Spielmann, A.A. 10746 [CDS], Bungartz, F. 8210 [CDS], Simbaña, W. 552 [CDS], Spielmann, A.A. 8154 [CDS], Spielmann, A.A. 10729 [CDS], Bungartz, F. 8605 [CDS], Bungartz, F. 9065 [CDS], Spielmann, A.A. 10730 [CDS], Spielmann, A.A. 10718 [CDS], Spielmann, A.A. 10750 [CDS], Spielmann, A.A. 8186 [CDS], Bungartz, F. 9621 [CDS], Clerc, P. 08-201 [CDS], Bungartz, F. 8658 [CDS], Herrera-Campos, M.A. 10594 [CDS], Jaramillo, P. 2970 D [CDS]

Parmotrema eborinum (Hale) Hale

[*Parmelia eborina* Hale]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz & Spielmann (2019), Elix & McCarthy (1998), Weber (1986); Luong, T.T. s.n. [CDS]

Parmotrema eciliatum (Nyl.) Hale

[*Parmelia crinita var. eciliata* Nyl.]
source: Nöske & Sipman (2004; as *P.* cf. *eciliatum*); Etayo, J. 26331 [hb. Etayo]

Parmotrema endosulphureum (Hillm.) Hale

[*Parmelia endosulphurea* (Hillmann) Hale, *Parmelia tinctoria var. endosulphurea* Hillmann]
source: Déleg et al. (2021); Aptroot, A. 64319 [CDS], Aptroot, A. 64067 [CDS], Aptroot, A. 65447 [CDS], Bungartz, F. 4938 [CDS], Bungartz, F. 4949 [CDS], Bungartz, F. 4964 [CDS], Bungartz, F. 4981 [CDS], Aptroot, A. 64499 [CDS], Aptroot, A. 64510 [CDS], Pozo, P. 2014 A [CDS], Bungartz, F. 5777 [CDS], Bungartz, F. 5692 [CDS], Bungartz, F. 5793 [CDS], Bungartz, F. 5819 [CDS], Bungartz, F. 5161 [CDS], Bungartz, F. 4922 [CDS], Bungartz, F. 5889 [CDS], Bungartz, F. 6619 [CDS], Nugra, F. 393 [CDS], Nugra, F. 298 [CDS], Nugra, F. 246 [CDS], Nugra, F. 239 [CDS], Nugra, F. 352 [CDS], Nugra, F. 415 [CDS], Pozo, P. 1993 C [CDS], Nugra, F. 448 [CDS], Bungartz, F. 9270 [CDS], Bungartz, F. 9334 [CDS], Yánez-Ayabaca, A. 1738 [CDS], Yánez-Ayabaca, A. 1923 [CDS], Yánez-Ayabaca, A. 1943 [CDS], Yánez-Ayabaca, A. 1953 [CDS], Bungartz, F. 10037 [CDS], Bungartz, F. 9844 [CDS], Bungartz, F. 10005 [CDS], Bungartz, F. 9990 [CDS], Bungartz, F. 9936 [CDS], Bungartz, F. 10139 [CDS], Bungartz, F. 9986 [CDS], Bungartz, F. 9443 [CDS], Nugra, F. 545 [CDS], Nugra, F. 140 [CDS], Nugra, F. 534 [CDS], Bungartz, F. 9947 A [CDS], Nugra, F. 166 [CDS], Spielmann, A.A. 10401 [CDS], Spielmann, A.A. 8182 [CDS], Bungartz, F. 7537 [CDS], Bungartz, F. 8551 [CDS], Spielmann, A.A. 10684 [CDS], Bungartz, F. 5617 [CDS], Bungartz, F. 8597 [CDS], Spielmann, A.A. 10421 [CDS], Spielmann, A.A. 10402 [CDS], Spielmann, A.A. 10433 [CDS], Spielmann, A.A. 10753 [CDS], Spielmann, A.A. 10398 [CDS], Yánez-Ayabaca, A. 2112 [CDS], Yánez-Ayabaca, A. 1905 [CDS], Yánez-Ayabaca, A. 1854 [CDS], Yánez-Ayabaca, A. 1899 [CDS], Bungartz, F. 9581 [CDS], Hillmann, G. GAL-36 [CDS], Yánez-Ayabaca, A. 2129 [CDS], Spielmann, A.A. 10646 [CDS], Spielmann, A.A. 10648 [CDS], Spielmann, A.A. 10690 [CDS], Spielmann, A.A. 10686 [CDS], Spielmann, A.A. 10383 [CDS], Spielmann, A.A. 10382 [CDS], Spielmann, A.A. 10694 [CDS], Nugra, F. 1022 [CDS], Bungartz, F. 6920 [CDS], Spielmann, A.A. 10682 [CDS], Bungartz, F. 10541 [CDS], Herrera-Campos, M.A. 10675 [CDS], Yánez-Ayabaca, A. 1750 [CDS], Nugra, F. 543 [CDS], Nugra, F. 573 [CDS], Nugra, F. 604 [CDS], Spielmann, A.A. 10696 [CDS], Truong, C. 1365 [CDS], Nugra, F. 622 [CDS], Yánez-Ayabaca, A. 1817 [CDS], Spielmann, A.A. 10370 [CDS], Spielmann, A.A. 10672 [CDS], Spielmann, A.A. 10709 [CDS], Herrera-Campos, M.A. 10608 [CDS], Spielmann, A.A. 10685 [CDS], Clerc, P. 08-50 [CDS], Nugra, F. 583 [CDS], Yánez-Ayabaca, A. 1835 B [CDS], Spielmann, A.A. 8197 [CDS], Erik Asplund L2 [S]

Parmotrema erectociliatum Spielmann & Bungartz

endemic to Galapagos, Type: Ecuador. Galápagos: Isla Santa Cruz, vicinity of Academy Bay, just N of Research Station, dry zone, below barranco, on huge boulder of a talus slope, 15-Feb-1964, Weber, W.A. 403 (L-40540, COLO 192658 – holotype!), source: Bungartz & Spielmann (2019)

Parmotrema exquisitum (Kurok.) DePriest & B.W. Hale

[*Parmelia exquisita* Kurok.]
source: Benítez et al. (2012, 2015, 2019; as *Parmotrema* aff. *exquisitum* and *Parmotrema exquisitum*), Benítez (2016), Chuquimarca et al. (2019); Benítez, A. 50 [HUTPL], Benítez, A. 316 [HUTPL], Benítez, A. 320 [HUTPL]

Parmotrema flavescens (Kremp.) Hale

[*Parmelia flavescens* (Kremp.) Nyl., *Parmelia glaberrima var. flavescens* Kremp., *Parmelia mauriensis* Hue]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz & Spielmann (2019); Bungartz, F. 7791 [CDS], Bungartz, F. 4743 [CDS], Yánez-Ayabaca, A. 2135 [CDS], Bungartz, F. 10219 [CDS], Bungartz, F. 9973 [CDS], Aptroot, A. 65174 [CDS], Bungartz, F. 6813 [CDS], Clerc, P. 08-164 [CDS], Herrera-Campos, M.A. 10574 [CDS], Bungartz, F. 6607 [CDS], Aptroot, A. 65730 [CDS], Bungartz, F. 6795 [CDS]

Parmotrema flavotinctum (Hale) Hale

[*Parmelia flavotincta* Hale]
source: van den Boom et al. (2022)

Parmotrema fractum (Hale) Hale

[*Parmelia fracta* Hale]
source: Sipman (1999), Cevallos (2012)

Parmotrema gardneri (Dodge) Serus.

[*Parmelia gardneri* C.W. Dodge]
L. Arvidsson & D. Nilson 2282 [US], L. Arvidsson... 4145 [US]

Parmotrema grayanum (Hue) Hale

[*Parmelia grayana* Hue]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz & Spielmann (2019); Bungartz, F. 4088 [CDS], Aptroot, A. 65115 A [CDS], Spielmann, A.A. 10531 [CDS], Spielmann, A.A. 10530 [CDS], Aptroot, A. 65115 B [CDS], Aptroot, A. 65409 [CDS]

Parmotrema hababianum (Gyeln.) Hale

[*Parmelia hababiana* Gyeln.]
L. Arvidsson & D. Nilson 2260 [US]

Parmotrema hypotropum (Nyl.) Hale

[*Imbricaria hypotropa* (Nyl.) Jatta, *Parmelia hypotropa* Nyl., *Parmelia perforata var. hypotropa* (Nyl.) Tuck.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz & Spielmann (2019)

Parmotrema internexum (Nyl.) Hale v

[*Parmelia internexa* Nyl.]
source: Benítez et al. (2012, 2015), Bungartz & Spielmann (2019), Miquel & Bungartz (2017); Aptroot, A. 65545 [CDS]

Parmotrema lacteum Marcelli & Spielmann

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz & Spielmann (2019); Clerc, P. 08-30 [CDS]

Parmotrema latissimum (Fée) Hale v

[*Parmelia latissima* Fée]
native, indigenous, source: Bungartz & Spielmann (2019); Aptroot, A. 63420 [CDS], Yánez-Ayabaca, A. 1882 [CDS], Bungartz, F. 6753 [CDS], Bungartz, F. 8684 [CDS], Clerc, P. 08-402 [CDS]

Parmotrema lawreyi Bungartz & Spielmann

endemic to Galapagos, Holotype: Bungartz 6187 [CDS 34399], source: Bungartz & Spielmann (2019); Bungartz, F. 6187 [CDS]

Parmotrema marcellianum Spielmann & Bungartz

endemic to Galapagos, Holotype: Bungartz 9881 [CDS 47219], source: Bungartz & Spielmann (2019); Bungartz, F. 9881 [CDS], Bungartz, F. 6791 [CDS], Ertz, D. 11870 A [CDS], Ertz, D. 11879 [CDS], Bungartz, F. 7810 [CDS], Clerc, P. 08-163 [CDS]

Parmotrema mellissii (C.W. Dodge) Hale v

[*Parmelia mellissii* C.W. Dodge]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Mandl (2007), Benítez et al. (2012, 2015), Bungartz & Spielmann (2019), van den Boom et al. (2022), Fernández-Prado et al. (2022); Aptroot, A. 63209 [CDS], Aptroot, A. 64657 [CDS], Bungartz, F. 3319 [CDS], Bungartz, F. 4301 [CDS], Aptroot, A. 65175 [CDS], Bungartz, F. 4303 [CDS], Herrera-Campos, M.A. 10592 [CDS], Bungartz, F. 8218 [CDS], Bungartz, F. 4754 A [CDS], Aptroot, A. 65741 [CDS], Bungartz, F. 3917 [CDS], Bungartz, F. 4744 [CDS], Benítez, A. 322 [HUTPL]

Parmotrema merrillii (Vain.) Hale v

[*Parmelia merrillii* Vain.]
source: Nöske et al. (2007)

Parmotrema mesotropum (Müll. Arg.) Hale

[*Parmelia mesotropa* Müll. Arg.]
preliminary identification, the single specimen reported as *Parmotrema* cf. *mesotropum* by Bungartz & Spielmann (2019) is sterile and lacks both soredia and apothecia; unlike *P. mesotropum* s.str., this specimen does not contain caperatic and protolichesterinic acid, but instead we observed only a pale unidentified spot at Rf 30 in solvent C., source: Bungartz & Spielmann (2019; as *Parmotrema* cf. *mesotropum*); Bungartz, F. 7372 [CDS]

Parmotrema mordenii (Hale) Hale

[*Parmelia mordenii* Hale]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz & Spielmann (2019); Bungartz, F. 4397 [CDS], Clerc, P. 08-153 [CDS], Bungartz, F. 5408 [CDS], Yánez-Ayabaca, A. 2020 [CDS], Yánez-Ayabaca, A. 2021 [CDS], Bungartz, F. 9576 [CDS], Aptroot, A. 63092 [CDS], Yánez-Ayabaca, A. 1961 [CDS], Yánez-Ayabaca, A. 1881 [CDS], Bungartz, F. 5753 [CDS], Bungartz, F. 6722 [CDS], Bungartz, F. 9861 [CDS], Bungartz, F. 5368 [CDS], Yánez-Ayabaca, A. 2091 [CDS], Hillmann, G. GAL-149 [CDS], Bungartz, F. 8194 [CDS], Bungartz, F. 7787 [CDS], Spielmann, A.A. 10372 [CDS], Spielmann, A.A. 10441 [CDS], Bungartz, F. 9854 [CDS], Aptroot, A. 63716 [CDS], Bungartz, F. 9427 [CDS], Spielmann, A.A. 10565 [CDS], Bungartz, F. 9432 [CDS], Ertz, D. 11758 B [CDS]

Parmotrema neosubcrinitum C.H. Ribeiro & Marcelli

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz & Spielmann (2019); Bungartz, F. 6593 [CDS]

Parmotrema overeemii (Zahlbr.) Elix v

[*Parmelia overeemii* Zahlbr.]
source: Nöske & Sipman (2004), Nöske et al. (2007)

Parmotrema peralbidum (Hale) Hale v

[*Parmelia peralbida* Hale]
source: Cevallos (2012), Benítez et al. (2012; as *Parmotrema* aff. *peralbidum*), Benítez et al. (2015), Chuquimarca et al. (2019); Benítez, A. 323 [HUTPL]

Parmotrema perforatum (Jacq.) A. Massal. v

[*Imbricaria perforata* (Wulfen) Körb., *Lichen perforatus* Jacq., *Lobaria perforata* (Wulfen) Michx., *Parmelia erecta* E. C. Berry, *Parmelia hypotropoides* Nyl. ex Willey, *Parmelia perforata* (Jacq.) Ach., *Parmelia perforata f. integra* Kremp., *Parmelia perforata var. microspora* Räsänen, *Parmelia perforata var. replicata* Meyen & Flot., *Parmelia perforata var. santiagoënsis* Räsänen, *Parmelia perlata var. perforata* (Jacq.) Koltz, *Platisma perforatum* (Wulfen) Hoffm.]
problematic, no modern record, source: Müller (1879)

Parmotrema perlatum (Hudson) M. Choisy v

[*Imbricaria ciliata* (DC.) Arnold, *Imbricaria perlata* (Huds.) Körb., *Imbricaria perlata var. excrescens* Arnold, *Imbricaria perlata var. perlata* (Huds.) Körb., *Lichen perlatus* Huds., *Lobaria perlata* (Huds.) Hoffm., *Parmelia coniocarpa* Laurer, *Parmelia perlata* (Huds.) Ach., *Parmelia perlata f. corallina* (Müll.Arg.) Müll.Arg., *Parmelia perlata f. perlata* (Huds.) Ach., *Parmelia perlata f. soralifera* Woron. & Pachunoff{?}, *Parmelia perlata f. sorediifera* Müll.Arg., *Parmelia perlata subsp. cetrata* (Ach.) Boistel, *Parmelia perlata var. ciliata* (DC.) Duby, *Parmelia perlata var. flavogranulosa* Vain., *Parmelia perlata var. munda* Harm., *Parmelia perlata var. perlata* (Huds.) Ach., *Parmelia perlata var. platyloba* Müll.Arg., *Parmelia perlata var. rubescens* Th. Fr., *Parmelia perlata var. sorediata* Schaer., *Parmelia perlata var. subrevoluta* Müll.Arg., *Parmelia perlata var. tentaculata* Wallr., *Parmelia trichotera* Hue, *Parmelia trichotera f. munda* (Harm.) Harm., *Parmelia trichotera f. subnuda* Erichsen, *Parmelia trichotera f. trichotera* Hue, *Parmelia trichotera var. plombii* B. de Lesd., *Parmelia trichotera var. subincana* Maheu & A. Gillet, *Parmelia trichotera var. trichotera* Hue, *Parmotrema perlatum var. ciliata* (DC.) M. Choisy, *Parmotrema perlatum var. perlatum* (Huds.) M. Choisy, *Parmotrema trichotera* (Hue) M. Choisy, *Platysma perlatum* (Huds.) Frege]
source: Davey (1999)

Parmotrema pilosum (Stizenb.) Krog & Swinscow v

[*Canomaculina pilosa* (Stizenb.) Elix & Hale, *Parmelia pilosa* Stizenb., *Parmelina pilosa* (Stizenb.) Hale]
source: Hale (1976), Benítez et al. (2012), Benítez (2016), Chuquimarca et al (2019)

Parmotrema praesorediosum (Nyl.) Hale

[*Parmelia praesorediosa* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz & Spielmann (2019), Elix & McCarthy (1998), Weber (1986); LeDee, O.E. OEL-00-05 [CDS], Weber, W.A. s.n. [CDS], Aptroot, A. 63079 [CDS], Aptroot, A. 63231 [CDS], Aptroot, A. 65116 [CDS], Aptroot, A. 64091 [CDS], Bungartz, F. 6317 [CDS], Bungartz, F. 3349 [CDS], Bungartz, F. 6401 [CDS], Aptroot, A. 64483 [CDS], Bungartz, F. 5653 [CDS], Bungartz, F. 5671 [CDS], Bungartz, F. 5056 [CDS], Aptroot, A. 65376 [CDS], Bungartz, F. 4597 [CDS], Bungartz, F. 6470 [CDS], Bungartz, F. 6475 [CDS], Bungartz, F. 4697 [CDS], Bungartz, F. 6711 [CDS], Nugra, F. 160 [CDS], Spielmann, A.A. 8180 [CDS], Spielmann, A.A. 8189 [CDS], Yánez-Ayabaca, A. 1960 [CDS], Yánez-Ayabaca, A. 2027 [CDS], Bungartz, F. 9841 [CDS], Bungartz, F. 9735 [CDS], Bungartz, F. 9714 [CDS], Bungartz, F. 9840 [CDS], Bungartz, F. 4932 [CDS], Jaramillo, P. 2834 [CDS], Herrera-Campos, M.A. 10575 [CDS], Bungartz, F. 9151 [CDS], Yánez-Ayabaca, A. 2004 [CDS], Clerc, P. 08-154 [CDS], Yánez-Ayabaca, A. 1783 [CDS], Bungartz, F. 8951 [CDS], Bungartz, F. 7891 [CDS], Bungartz, F. 8950 [CDS], Bungartz, F. 7277 [CDS], Bungartz, F. 9413 [CDS], Nugra, F. 123 [CDS], Bungartz, F. 10510 [CDS], Yánez-Ayabaca, A. 1676 [CDS], Yánez-Ayabaca, A. 1612 [CDS], Yánez-Ayabaca, A. 1610 [CDS], Spielmann, A.A. 8190 [CDS]

Parmotrema pustulotinctum Spielmann & Bungartz

native, questionably endem., Holotype: Bungartz 4624 [CDS 28711], source: Bungartz & Spielmann (2019); Bungartz, F. 4624 [CDS]

Parmotrema rampoddense (Nyl.) Hale

[*Parmelia rampoddensis* Nyl., *Parmelia subinvoluta* Hale]
source: Nöske (2005), Nöske et al. (2007), Benítez et al. (2012, 2015), Benítez (2016), Bungartz & Spielmann (2019); Benítez, A. 324 [HUTPL]

Parmotrema reticulatum (Taylor) M. Choisy

[*Canomaculina leucosemotheta* (Hue) Elix, *Parmelia ciliata* (DC.) Nyl., *Parmelia concors* Kremp., *Parmelia laevigata var. reticulata* (Taylor) Linds., *Parmelia leucosemotheta* Hue, *Parmelia leucosemotheta f. isidiata* Hue, *Parmelia leucosemotheta f. leucosemotheta* Hue, *Parmelia macquariensis* C.W. Dodge, *Parmelia perforata f. perforata* (Wulfen) Ach., *Parmelia perforata var. ciliata* Nyl., *Parmelia perforata var. perforata* (Wulfen) Ach., *Parmelia pseudovirens* Gyeln., *Parmelia reticulata* Taylor, *Parmelia reticulata f. nuda* Hue, *Parmelia reticulata f. reticulata* Taylor, *Parmelia reticulata var. corniculata* Abbayes, *Parmelia reticulata var. discedens* Hillmann, *Parmelia reticulata var. reticulata* Taylor, *Parmelia urceolata var. sorediifera* Müll.Arg., *Parmelia urceolata var. subcetrata* Müll.Arg., *Parmelia virens var. sorediata* Müll.Arg., *Parmotrema leucosemothetum* (Hue) Hale, *Parmotrema pseudovirens* (Gyeln.) Elix, *Rimelia reticulata* (Taylor) Hale & Fletcher]
parasitized by *Dacampia pentaseptata,Arthonia muscigena,Cylindronectria cyanobactericola,Clypeococcum amylaceum,C. rugosisporum,Pseudonitschkia parmotrematis,Xenonectriella subimperspicua var. degenerans*, and *Trichonectria rubefaciens*, source: Weber (1986), Elix & McCarthy (1998), Davey (1999), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Sklenář et al. (2010), Etayo (2017), Bungartz & Spielmann (2019), Chuquimarca et al. (2019); D. Ugent [60] [WIS], R. C. Harris 17171 [US], Bungartz, F. 7268 [CDS], Bungartz, F. 7489 [CDS], Bungartz, F. 9022 [CDS], Bungartz, F. 9023 [CDS], Aptroot, A. 64891 [CDS], Weber, W.A. s.n. [CDS], Aptroot, A. 64918 [CDS], Aptroot, A. 65221 [CDS], Aptroot, A. 65272 [CDS], Nugra, F. 83 [CDS], Nugra, F. 422 [CDS], Nugra, F. 477 [CDS], Aptroot, A. 65703 [CDS], Yánez-Ayabaca, A. 1640 [CDS], Bungartz, F. 10125 [CDS], Nugra, F. 1086 [CDS], Spielmann, A.A. 10601 [CDS], Spielmann, A.A. 10600 [CDS], Spielmann, A.A. 10532 [CDS], Spielmann, A.A. 10508 [CDS], Bungartz, F. 10409 [CDS], Spielmann, A.A. 10523 [CDS], Spielmann, A.A. 10465 [CDS], Spielmann, A.A. 10509 [CDS], Spielmann, A.A. 10377 [CDS], Bungartz, F. 7437 [CDS], Nugra, F. 1089 [CDS], Nugra, F. 1093 [CDS], Bungartz, F. 7783 [CDS], Spielmann, A.A. 10417 [CDS], Spielmann, A.A. 10584 [CDS], Spielmann, A.A. 10437 [CDS], Spielmann, A.A. 10524 [CDS], Bungartz, F. 7392 [CDS], Spielmann, A.A. 10550 [CDS], Spielmann, A.A. 10525 [CDS], Nugra, F. 1134 [CDS], Spielmann, A.A. 10418 [CDS], Spielmann, A.A. 10590 [CDS], Spielmann, A.A. 10468 [CDS], Spielmann, A.A. 10575 [CDS], Spielmann, A.A. 10494 [CDS], Spielmann, A.A. 10583 [CDS], Harris, R.C. 17171 [CANB], Etayo, J. 19980 [hb. Etayo], Etayo, J. 20097 [hb. Etayo], Etayo, J. 20112 [hb. Etayo], Etayo, J. 25373 [hb. Etayo], Etayo, J. 25427 [hb. Etayo], Etayo, J. 25439 [hb. Etayo], Etayo, J. 25464 [hb. Etayo], Etayo, J. 25515 [hb. Etayo], Etayo, J. 25534 [hb. Etayo], Etayo, J. 25892 [hb. Etayo], Etayo, J. 25938 [hb. Etayo], Etayo, J. 26236 [hb. Etayo], Etayo, J. 26333 [hb. Etayo], J. Etayo 26671 [hb. Etayo]

Parmotrema robustum (Degel.) Hale

[*Parmelia robusta* Degel.]
source: Nöske & Sipman (2004; as *P.* cf. *robustum*), Nöske (2005), Nöske et al. (2007)

Parmotrema saxoisidiatum Spielmann & Bungartz

native, questionably endem., Holotype: Bungartz 10207 [CDS 47626], source: Bungartz & Spielmann (2019); Bungartz, F. 10207 [CDS]

Parmotrema soredioaliphaticum Estrabou & Adler

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz & Spielmann (2019); Bungartz, F. 7340 [CDS], Ertz, D. 11758 A [CDS]

Parmotrema subisidiosum (Müll. Arg.) Hale & Fletcher

[*Parmelia cetrata var. subisidiosa* Müll. Arg., *Rimelia subisidiosa* (Müll. Arg.) Hale & Fletcher]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Benítez et al. (2012, 2015), Bungartz & Spielmann (2019), Chuquimarca et al. (2019); Bungartz, F. 7528 [CDS], Bungartz, F. 4853 [CDS], Aptroot, A. 65093 [CDS], Bungartz, F. 4284 [CDS], Bungartz, F. 4030 [CDS], Bungartz, F. 4084 [CDS], Bungartz, F. 3590 [CDS], Bungartz, F. 4136 [CDS], Aptroot, A. 64524 [CDS], Bungartz, F. 6590 [CDS], Bungartz, F. 6603 [CDS], Nugra, F. 170 A [CDS], Bungartz, F. 4960 [CDS], Clerc, P. 08-93 B [CDS], Bungartz, F. 6816 [CDS], Bungartz, F. 6919 [CDS], Bungartz, F. 6841 [CDS], Bungartz, F. 6566 [CDS], Bungartz, F. 7475 [CDS], Bungartz, F. 7456 [CDS], Bungartz, F. 4888 [CDS], Bungartz, F. 6809 [CDS], Bungartz, F. 7476 [CDS], Bungartz, F. 7497 [CDS], Benítez, A. 407 [HUTPL]

Parmotrema subsumptum (Nyl.) Hale

[*Canomaculina subsumpta* (Nyl.) Elix, *Parmelia subsumpta* Nyl., *Rimeliella subsumpta* (Nyl.) Kurok.]
source: Nöske et al. (2007); Nöske et al. (2007)

Parmotrema subtinctorium (Zahlbr.) Hale

[*Canomaculina subtinctoria* (Zahlbr.) Elix, *Parmelia subtinctoria* Zahlbr., *Parmelia virens f. isidiosa* Müll.Arg., *Parmotrema subcrinitum* (Nyl.) Hale ined., *Rimelia subtinctoria* (Zahlbr.) Kurok., *Rimeliella subtinctoria* (Zahlbr.) Kurok.]
source: Chuquimarca et al. (2019)

Parmotrema succinreticulatum (Eliasaro & Adler) O. Blanco, A. Crespo, Divakar, Elix & Lumbsch

[*Rimelia succinreticulata* Eliasaro & Adler]
source: Benítez et al. (2012, 2015); Benítez, A. 408 [HUTPL]

Parmotrema sulphuratum (Nees & Flotow) Hale

[*Parmelia brisbanensis* Stirt., *Parmelia sulphurata* Nees & Flot.]
source: Déleg et al. (2021)

Parmotrema tinctorum (Despr. ex Nyl.) Hale

[*Lichen chinensis* Osbeck, *Parmelia tinctorum* Despr. ex Nyl., *Parmotrema chinense* (Osbeck) Hale & Ahti]
source: Dodge (1936), Weber (1966, 1981, 1986), Elix & McCarthy (1998), Bungartz & Spielmann (2019), Chuquimarca et al. (2019; as *P. chinense*); Bungartz, F. 8212 [CDS], Weber, W.A. s.n. [CDS], Aptroot, A. 63025 [CDS], Aptroot, A. 63407 [CDS], Bungartz, F. 3637 [CDS], Bungartz, F. 3335 [CDS], Bungartz, F. 3336 [CDS], Bungartz, F. 3343 [CDS], Bungartz, F. 3656 [CDS], Aptroot, A. 64008 [CDS], Aptroot, A. 65375 [CDS], Bungartz, F. 4404 [CDS], Bungartz, F. 3591 [CDS], Bungartz, F. 4312 [CDS], Aptroot, A. 64906 [CDS], Aptroot, A. 65250 [CDS], Aptroot, A. 65162 [CDS], Bungartz, F. 3573 [CDS], Simbaña, W. 544 [CDS], Bungartz, F. 4285 [CDS], Bungartz, F. 6752 [CDS], Bungartz, F. 6236 [CDS], Bungartz, F. 4635 [CDS], Bungartz, F. 5169 [CDS], Bungartz, F. 6580 [CDS], Bungartz, F. 4856 [CDS], Bungartz, F. 5084 [CDS], Bungartz, F. 6511 [CDS], Bungartz, F. 5893 [CDS], Bungartz, F. 4677 [CDS], Bungartz, F. 4824 [CDS], Bungartz, F. 6598 [CDS], Bungartz, F. 6517 [CDS], Bungartz, F. 4790 [CDS], Bungartz, F. 4714 [CDS], Bungartz, F. 4717 [CDS], Bungartz, F. 6922 [CDS], Bungartz, F. 7000 [CDS], Bungartz, F. 7443 [CDS], Bungartz, F. 7451 [CDS], Bungartz, F. 7750 [CDS], Bungartz, F. 7890 [CDS], Bungartz, F. 8215 [CDS], Bungartz, F. 8420 [CDS], Bungartz, F. 8664 [CDS], Bungartz, F. 8935 [CDS], Bungartz, F. 8958 [CDS], Bungartz, F. 9064 [CDS], Bungartz, F. 9152 [CDS], Bungartz, F. 9160 [CDS], Bungartz, F. 9528 [CDS], Bungartz, F. 9995 [CDS], Bungartz, F. 10550 [CDS], Bungartz, F. 10189 [CDS], Bungartz, F. 7589 [CDS], Bungartz, F. 9110 [CDS], Bungartz, F. 9954 B [CDS], Bungartz, F. 6215 [CDS], Bungartz, F. 6227 [CDS], Bungartz, F. 4295 [CDS], Bungartz, F. 6595 [CDS]

Parmotrema ultralucens (Krog) Hale

[*Canomaculina ultralucens* (Krog) Elix & J.B. Chen, *Parmelia subcrinita* Nyl., *Parmelia ultralucens* Krog]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz & Spielmann (2019), Elix & McCarthy (1998), Weber (1986); Bungartz, F. 4702 [CDS], Aptroot, A. 64625 [CDS], Bungartz, F. 6303 [CDS], Ertz, D. 11837 [CDS], Bungartz, F. 7755 [CDS], Bungartz, F. 7792 [CDS], Bungartz, F. 7802 [CDS], Bungartz, F. 10195 [CDS], Yánez-Ayabaca, A. 2130 [CDS], Spielmann, A.A. 10440 [CDS], Spielmann, A.A. 10467 [CDS], Spielmann, A.A. 10549 [CDS], Spielmann, A.A. 10721 [CDS], Spielmann, A.A. 10725 [CDS], Bungartz, F. 3913 [CDS], Aptroot, A. 63377 [CDS], Spielmann, A.A. 8201 [CDS], Yánez-Ayabaca, A. 1838 [CDS], Bungartz, F. 8609 [CDS], Bungartz, F. 8673 [CDS], Bungartz, F. 10274 [CDS], Bungartz, F. 5972 [CDS], Bungartz, F. 8217 [CDS], Bungartz, F. 6583 [CDS], Bungartz, F. 6610 [CDS], Bungartz, F. 6579 [CDS], Nugra, F. 644 [CDS], Yánez-Ayabaca, A. 2017 [CDS], Bungartz, F. 6238 [CDS]

Parmotrema virescens Hale

source: Hale (1986), Nöske (2005), Nöske et al. (2007); Bungartz, F. 8211 [CDS], Herrera-Campos, M.A. 10587 [CDS]

Parmotrema viridiflavum (Hale) Hale

[*Parmelia viridiflava* Hale]
source: Nöske & Sipman (2004), Nöske et al. (2007)

Parmotrema weberi Hale ex Spielmann & Bungartz

endemic to Galapagos, Holotype: COLO 294622, source: Bungartz & Spielmann (2019)

Parmotrema xanthinum (Müll. Arg.) Hale

[*Parmelia aberrans* (Vain.) Abbayes, *Parmelia caperata var. madagascariacea* Hue, *Parmelia chrysantha* Tuck., *Parmelia madagascariacea* (Hue) Abbayes, *Parmelia nyasensis* C.W. Dodge, *Parmelia perlata var. xanthina* (Müll. Arg.) Stizenb., *Parmelia proboscidea var. xanthina* Müll. Arg., *Parmelia xanthina* (Müll. Arg.) Vain., *Parmelia xanthina f. aberrans* Vain., *Parmelia xanthina f. isidiosa* Müll. Arg., *Parmelia xanthina f. xanthina* (Müll. Arg.) Vain., *Parmelia xanthina var. xanthina* (Müll. Arg.) Vain., *Parmotrema aberrans* (Vain.) des Abbayes, *Parmotrema madagascariaceum* (Hue) Hale, *Parmotrema nyasense* (C.W. Dodge) R.S. Egan nom. illegit.]

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, *Parmotrema xanthinum* was first reported from the Galapagos by Weber (1986), subsequently by Elix & McCarthy (1998). Bungartz & Spielmann (2019) treated it as distinct from *P. nyasense*, arguing that *P. xanthinum* lacks gyrophoric acid and has much broader lobes and eciliate isidia; all Galapagos material contains gyrophoric acid and Bungartz & Spielmann (2019) therefore considered reports of *P. xanthinum* doubtful; Egan et al. (2016) examined the holotype of *P. nyasense*, confirming gyrophyoric acid, but publishing the new combination *P. nyasense* without an identifier [nom inval. Art. F5.1]; Lendemer (2016) treats both chemotypes as the same, *Parmelia xanthina* (Müll. Arg.) Vain. 1890 having taxonomic priority; according to Egan et al. (2016) the name refers to the gyrophyoric acid deficient chemotype; if both chemotypes are considered distinct, *P. nyasense* should be validated, source: Bungartz & Spielmann (2019); A. Aptroot 65730 [ASU], Bungartz, F. 7766 [CDS], Ertz, D. 11781 [CDS], Bungartz, F. 7604 [CDS], Ertz, D. 11894 [CDS]

Parmotrema zollingeri (Hepp) Hale

[*Parmelia latissima var. corniculata* Kremp., *Parmelia zollingeri* Hepp]

source: Benítez et al. (2012, 2015); Benítez, A. 325 [HUTPL]

Parmotremopsis

Parmotremopsis antillensis (Nyl.) Elix & Hale

[*Parmelia antillensis* Nyl., *Parmelia blastica* Vain., *Parmelina antillensis* (Nyl.) Hale]

source: Nöske et al. (2007)

Peltigera

Peltigera andensis Vitik.

source: Vitikainen (1995), González et al. (2017b)

Peltigera austroamericana Zahlbr.

source: González et al. (2019), Magain et al. (2018; as *P. austroamericana* / *fibrilloides* s.l.); Etayo, J. 20018 [hb. Etayo], Etayo, J. 25394 [hb. Etayo], Etayo, J. 25845 [hb. Etayo]

Peltigera canina (L.) Willd.

[*Dermatodea canina* (L.) A. St.-Hil., *Lichen caninus* L., *Lichen caninus var. caninus* L., *Lichen caninus var. pellucidus* Weber, *Peltidea canina* (L.) Ach., *Peltidea canina var. canina* (L.) Ach., *Peltidea leucorrhiza* Flörke, Deutsche Lich. 8: 10 (1821), *Peltidea ulorrhiza* Flörke, *Peltidea ulorrhiza var. ulorrhiza* Flörke, *Peltigera canina f. leucorrhiza* (Flörke) Flörke, *Peltigera canina var. ulorrhiza* (Flörke) Schaer. nom. illegit., *Peltophora canina* (L.) Clem., *Pulmonaria terrestris* Bory nom. illegit.]

source: Zahlbruckner (1905, 1907; as *Peltigera canina* var. *ulorrhiza*; Dr. C. Arzeni s.n. [ILLS]

Peltigera collina (Ach.) Schrader

[*Lichen collinus* Ach., *Peltidea collina* (Ach.) Röhl., *Peltidea horizontalis var. collina* (Ach.) Wahlenb., *Peltidea polydactylon var. collina* (Ach.) Sommerf., *Peltidea rufescens var. collina* (Ach.) Ach., *Peltidea scutata var. collina* (Ach.) Gyeln., *Peltigera aphthosa var. collina* (Ach.) Wallr., *Peltigera polydactylon var. collina* (Ach.) Sommerf., *Peltigera scutata var. collina* (Ach.) Duby, Bot. Gall., Edn 2 (Paris) 2: 598 (1830)]

Etayo, J. 25773 [hb. Etayo]

Peltigera didactyla (With.) J. R. Laundon

[*Lichen spurius* Ach., *Peltidea canina var. spuria* (Ach.) DC., *Peltidea erumpens* Taylor, *Peltidea spuria* (Ach.) Ach., *Peltigera canina subsp. erumpens* (Taylor) Vain., *Peltigera canina var. erumpens* (Taylor) Hue, *Peltigera canina var. spuria* (Ach.) Schaer., *Peltigera erumpens* (Taylor) Elenkin, *Peltigera erumpens f. densa* Gyeln., *Peltigera erumpens f. erumpens* (Taylor) Lange, *Peltigera erumpens f. glabrescens* Gyeln., *Peltigera erumpens f. hazslinszkyi* (Gyeln.) Szatala, *Peltigera erumpens f. leptoderma* (Nyl.) Schol. ex Lynge, *Peltigera erumpens f. scabrida* Gyeln., *Peltigera erumpens var. erumpens* (Taylor) Lange, *Peltigera erumpens var. hazslinszkyi* (Gyeln.) Oxner, *Peltigera erumpens var. leptoderma* (Nyl.) Dombr., *Peltigera rufescens f. spuria* (Ach.) Körb., *Peltigera rufescens var. spuria* (Ach.) Gyeln., *Peltigera spuria* (Ach.) DC., *Peltigera spuria f. hazslinszkyi* (Gyeln.) H. Magn., *Peltigera spuria f. sorediata* (Schaer.) Grummann, *Peltigera spuria f. spuria* (Ach.) DC., *Peltigera spuria var. calcicola* Räsänen, *Peltigera spuria var. erumpens* (Taylor) Harm., *Peltigera spuria var. hazslinszkyi* (Gyeln.) Trass, *Peltigera spuria var. leptoderma* (Nyl.) Frey, *Peltigera spuria var. magyarica* (Gyeln.) Szatala, *Peltigera spuria var. spuria* (Ach.) DC., *Peltigera spuria var. uluguruensis* Vězda]

source: González et al. (2019), Sklenář et al. (2010), Nöske et al. (2007); Etayo, J. 19948 [hb. Etayo]

Peltigera dolichorhiza (Nyl.) Nyl.

[*Peltigera dolichorhiza f. pseudocrispoides* Gyeln., *Peltigera dolichorrhiza* (Nyl.) Nyl. [orthographic error], *Peltigera polydactylon f. dolichorhiza* Nyl.]

parasitized by *Skyttella mulleri*, source: Müller (1879), Romeguère (1879), Weber (1986), Elix & McCarthy (1998), Nöske & Sipman (2004), Nöske et al. (2007), González et al. (2019), Etayo (2017), Magain et al. (2023, in press); Truong, C. 1231 [CDS], Clerc, P. 08-250 [CDS], Herrera-Campos, M.A. 10693 [CDS], Bungartz, F. 8339 [CDS], Bungartz, F. 8348 [CDS], Bungartz, F. 8368 [CDS], Etayo, J. 25458 [hb. Etayo]

Peltigera ecuadoriana Gyeln.

Type: Meyer 360 (probably at W?), source: Magain et al. (2018; possibly the correct name for one lineage of *P. austroamericana* s.str.)

Peltigera extenuata (Vain.) Lojka

[*Peltigera didactyla var. extenuata* (Nyl. ex Vain.) Goffinet & Hastings, *Peltigera hazslinszkyi* Gyeln.]

source: Magain et al. (2018; as *P. extenuata* s.l.)

Peltigera globulata Miadl. & Magain

source: Magain et al. (2018, as *P. ponojensis*), Miądlikowska et al. (2023)

Peltigera horizontalis (Hudson) Baumg.

[*Antilyssa horizontalis* (Huds.) Choisy, *Lichen horizontalis* Huds., *Lichen horizontalis var. horizontalis* Huds., *Peltidea horizontalis* (Huds.) Ach., *Peltidea horizontalis var. horizontalis* (Huds.) Ach., *Peltigera canina var. horizontalis* (Huds.) L. Marchand, *Peltigera horizontalis f. muscorum* (Schaer.) Zahlb., *Peltigera horizontalis var. muscorum* Schaer., *Peltigera rufescens var. horizontalis* (Huds.) Spreng.]

Etayo, J. 25870 [hb. Etayo]

Peltigera kukwae Magain, Miadl. & Sérus.

source: Magain et al. (2023)

Peltigera laciniata (G. Merr.) Gyeln.

[*Peltigera canina f. laciniata* G. Merr.]

parasitized by *Vezdaea aestivalis, Nectriopsis lecanodes* & *Bacidia viridescens*, source: Nöske & Sipman (2004), Nöske et al. (2007), Etayo (2017), Magain et al. (2018); Etayo, J. 17333 [hb. Etayo], Etayo, J. 17349 [hb. Etayo], J. Etayo 19915 [hb. Etayo], J. Etayo 26296 [hb. Etayo]

Peltigera massonii Magain, Miadl. & Sérus.

source: Magain et al. (2023)

Peltigera microdactyla Nyl.

source: Müller (1879), Zahlbruckner (1905, 1907), González et al. (2019),; Etayo, J. 26007 [hb. Etayo]

Peltigera neopolydactyla (Gyelnik) Gyelnik

[*Peltigera polydactylon var. neopolydactylis* Gyeln.]

Etayo, J. 25866 [hb. Etayo], Etayo, J. 26279 [hb. Etayo]

Peltigera polydactylon (Neck.) Hoffm.

[*Lichen caninus var. polydactylon* (Neck.) Lightf., *Lichen polydactylon* Neck., *Peltidea polydactyla var. polydactyla* (Neck.) Ach., *Peltidea polydactylon* (Neck.) Ach., *Peltigera canina var. polydactylon* (Neck.) Branth & Rostr., *Peltigera polydactyla* (Necker) Hoffm. [orthographic error], *Peltigera polydactylon f. polydactylon* (Neck.) Hoffm., *Peltigera polydactylon subsp. udeghe* Magain, Miadl. & Sérus., *Peltigera polydactylon var. major* Schaer., *Peltigera polydactylon var. polydactylon* (Neck.) Hoffm., *Peltigera rufescens var. polydactylon* (Neck.) Torss.]

parasitized by *Gliocephalis pulchella, Niesslia pseudocyphellariae, Stigmidium peltideae* & *Agonimia tristicula*, problematic; Magain (pers. com.): *P. polydactylon* s.str. doesn't occur in Ecuador; the records by Müller (1879) and Etayo (2017, as substrate of several lichenicolous fungi) could belong to the morphologically similar *P. dolichorhiza*, or *P. kukwae* (both reported from Ecuador), or *P. esslingeri* (currently not confirmed from the country), source: Müller (1879), Etayo (2017); J. Etayo 25576 [hb. Etayo], J. Etayo 25580 [hb. Etayo], Etayo, J. 25635 [hb. Etayo], Etayo, J. 25669 [hb. Etayo], Etayo, J. 25771 [hb. Etayo], Etayo, J. 25793 [hb. Etayo]

Peltigera pulverulenta (Taylor) Nyl.

[*Peltidea pulverulenta* Taylor]

source: Magain et al. (2023, in press); Etayo, J. 26282 [hb. Etayo]

Peltigera rufescens (Weiss) Humb.

[*Lichen caninus var. rufescens* Weiss, *Lichen rufescens* (Weiss) Neck., *Peltidea rufescens* (Weiss) Ach., *Peltidea rufescens var. rufescens* (Weiss) Ach., *Peltigera canina var. rufescens* (Weiss) Mudd]

parasitized by *Corticifraga peltigerae* & *Nectriopsis lecanodes* , source: Müller (1879), Leighton (1866), Etayo (2017); H.J.M. Sipman 7801 [ASU], Hugh H. Iltis E-532x [WIS], Etayo, J. 25637 [hb. Etayo], J. Etayo 26302 [hb. Etayo]

Peltigera scabrosa Th. Fr.

[*Peltigera rufescens var. scabrosa* (Th. Fr.) Nyl.]

problematic, no modern record; Magain (pers. com.): probably a confusion with *P. pulverulenta*, source: Müller (1879), Romeguère (1879)

Peltigera sipmanii Magain, Miadl. & Sérus.

source: Magain et al. (2023)

Peltigera soredians Vitik.

parasitized by *Pronectria robergei, Skyttella mulleri, Stigmidium peltideae*, *Dacampia rufescentis* and *Refractohilum peltigerae*, source: Etayo (2017), Magain et al. (2018); J. Etayo 26307 [hb. Etayo], J. Etayo 26308 [hb. Etayo]

Peltigera spuriella Vain.

parasitized by *Roselliniella peltigericola*, source: Hawksworth & Miądlikowska (1997), Etayo (2017); COLO-L-0085106 [COLO]

Peltigera ulcerata Müll.Arg.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, previously misidentified as *P. didactyla* (originally reported by Weber 1986 as *P. erumpens*, later re-identified as *P. spuria* and subsequently cited by Elix & McCarthy as *P. didactyla*), the specimens are not tomentose and thus misidentifications of *P. ulcerata* Müll. Arg, source: Elix & McCarthy (1998), Weber (1986); Spielmann, A.A. 10611 [CDS], Bungartz, F. 10330 [CDS], Spielmann, A.A. 10448 [CDS]

Peltigera vainioi Gyeln.

source: González et al. (2019), Magain et al. (2018; as *P. ponojensis*/*monticola* s.l.)

Peltula

Peltula bolanderi (Tuck.) Wetmore

[*Heppia bolanderi* (Tuck.) Vain., *Pannaria bolanderi* Tuck., *Pannariella bolanderi* (Tuck.) Gyeln.]

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 6135 [CDS], Ertz, D. 11688 [CDS], Bungartz, F. 5409 [CDS], Bungartz, F. 6171 [CDS], Aptroot, A. 64478 [CDS], Bungartz, F. 6153 [CDS], Bungartz, F. 3764 [CDS], Bungartz, F. 6092 [CDS], Bungartz, F. 7032 [CDS], Bungartz, F. 7220 [CDS], Spielmann, A.A. 10741 [CDS], Aptroot, A. 64992 [CDS], Aptroot, A. 64988 [CDS], Bungartz, F. 7279 [CDS], Aptroot, A. 64439 [CDS], Aptroot, A. 64391 B [CDS], Bungartz, F. 6134 B [CDS]

Peltula euploca (Ach.) Poelt ex Pišút

[*Dermatocarpon euplocum* (Ach.) A.L. Sm., *Endocarpon euplocum* (Ach.) Ach., *Heppia euploca* (Ach.) Vain., *Heppia guepinii* (Delise) Nyl., *Heppia polyphylla* B. de Lesd., *Lichen euplocus* Ach., *Verrucaria euploca* (Ach.) Borrer]

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Elix & McCarthy (1998), Weber (1986); Bungartz, F. 3868 A [CDS], Bungartz, F. 4645 [CDS], Bungartz, F. 4581 [CDS], Aptroot, A. 64986 [CDS], Aptroot, A. 64985 [CDS], Aptroot, A. 65405 [CDS], Aptroot, A. 64477 D [CDS], Aptroot, A. 64479 B [CDS], Bungartz, F. 3870 B [CDS], Aptroot, A. 63722 [CDS], Aptroot, A. 64477 D [CDS]

Peltula impressa (Vain.) Swiscow & Krog

[*Heppia impressa* Vain.]

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 65413 [CDS], Bungartz, F. 6742 [CDS], Yánez-Ayabaca, A. 1637 [CDS], Bungartz, F. 8995 [CDS], Aptroot, A. 63100 [CDS], Bungartz, F. 6727 [CDS]

Peltula obscurans (Nyl.) Gyelnik

[*Acarospora subglebosa* (Müll.Arg.) Hue, *Endocarpiscum obscurans* Nyl., *Heppia acarosporoides* Müll.Arg., *Heppia guepinii var. obscurans* (Nyl.) Boistel, *Heppia obscurans* (Nyl.) Nyl., *Heppia subglebosa* (Müll. Arg.) I.M. Lamb, *Peltula subglebosa* (Müll. Arg.) Filson, *Placodium subglebosum* Müll.Arg.]

source: Castillo-Monroy et al. (2016)

Peltula omphaliza (Nyl.) Wetmore

[*Endocarpiscum omphalizum* (Nyl.) Müll.Arg., *Heppia omphaliza* Nyl.]

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; W. R. Taylor 872 [FH]

Peltula patellata (Bagl.) Swinscow & Krog

[*Acarospora patellata* Bagl., *Heppia australiensis* Müll.Arg., *Heppia leptopholis* Nyl. ex Hasse, *Heppia patellata* (Bagl.) Stizenb., *Heppia polyspora* Tuck., *Heppia terrena* Nyl. ex Hasse, *Peltula australiensis* (Müll. Arg.) Filson]

source: Castillo-Monroy et al. (2016)

Peltula placodizans (Zahlbr.) Wetmore

[*Endocarpiscum placodizans* (Zahlbr.) Fink, *Heppia placodizans* Zahlbr., *Peltula decorticans* (Müll. Arg.) Filson, *Placoheppia placodizans* (Zahlbr.) Oxner, *Pyrenopsidium decorticans* Müll.Arg., *Solorinaria placodizans* (Zahlbr.) Gyeln.]

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 5243 A [CDS], Bungartz, F. 3870 A [CDS], Bungartz, F. 3871 [CDS], Aptroot, A. 64391 A [CDS], Aptroot, A. 64987 [CDS], Aptroot, A. 64479 A [CDS], Aptroot, A. 65337 [CDS], Bungartz, F. 4391 [CDS]

Peltula steppae (Kalb) Büdel, Kauff & Bachran

[*Phyllopeltula steppae* Kalb]

source: Bustamante et al. (2018)

Peltula tortuosa (Nees) Wetmore

[*Dufourea tortuosa* Nees, *Heppia tortuosa* (Nyl.) Vain., *Heterina tortuosa* Nyl.]

problematic, no modern record, only reported by Nylander (1874) from the Andes and Amazon, not specifically from Ecuador, source: Nylander (1874; as *Heterina tortuosa*)

Periconia

Periconia atra Corda

* = lichenicolous fungi (parasites on living lichens); on *Sticta tomentosa* & *Yoshimuriella subdissecta*, source: Etayo (2017); Etayo, J. 25445 [hb. Etayo]

Periconia digitata (Cooke) Sacc.

[*Sporocybe digitata* Cooke]
Etayo, J. 25481 [hb. Etayo]

Pertusaria

Pertusaria albinea Tuck.

endemic to Galapagos, Type (FH): Ecuador. Galápagos: on bark, coll. Rev. T. Hill, Hassler Expedition [FH-Tuck 60330 – holotype (not seen); US 69128 – isotype!]; F. Bungartz: holotype not found during visit to FH, possibly on loan to I. Messuti, one specimen in COLO, collected and identified by Weber as *P. albinea* [COLO 188868 (L-40346)]; Tuckerman (1877) described this species based on material collected in the Galapagos Islands by H. Willey during the Hassler Expedition of 1872; consequently, the name has priority over *Pertusaria albinea* Müll.Arg. (Bulletin de l'Herbier Boissier 3: 639, 1895), source: Bungartz et al. (2015), Elix & McCarthy (1998), Farlow (1902), Stewart (1912), Weber (1966, 1986); Ertz, D. 11748 [CDS], Bungartz, F. 7379 [CDS], Aptroot, A. 65389 [CDS]

Pertusaria albineoides Bungartz, A.W. Archer, Yánez-Ayabaca & Elix

endemic to Galapagos, Holotype: Bungartz 4066 [CDS 27996], source: Bungartz et al. (2015); Bungartz, F. 4066 [CDS], Aptroot, A. 65073 [CDS], Aptroot, A. 65075 [CDS]

Pertusaria cerroazulensis Bungartz, A.W. Archer, Yánez-Ayabaca & Elix

endemic to Galapagos, Holotype: Spielmann 10594 [CDS 51961], source: Bungartz et al. (2015); Spielmann, A.A. 10572 [CDS], Bungartz, F. 10388 [CDS], Spielmann, A.A. 10594 [CDS], Spielmann, A.A. 10571 [CDS], Spielmann, A.A. 10554 [CDS]

Pertusaria darwiniana Yánez-Ayabaca & Bungartz

endemic to Galapagos, Holotype: Bungartz 7712 [CDS 38214], source: Bungartz et al. (2015); Nugra, F. 620 [CDS], Aptroot, A. 63794 [CDS], Bungartz, F. 4268 [CDS], Bungartz, F. 7556 [CDS], Bungartz, F. 9643 [CDS], Bungartz, F. 9937 [CDS], Bungartz, F. 10249 A [CDS], Yánez-Ayabaca, A. 2103 [CDS], Aptroot, A. 64910 [CDS], Bungartz, F. 9648 [CDS], Bungartz, F. 10137 [CDS], Yánez-Ayabaca, A. 1756 [CDS], Clerc, P. 08-390 [CDS], Bungartz, F. 7712 [CDS], Aptroot, A. 64528 [CDS]

Pertusaria endochroma Müll.Arg.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2015); Ertz, D. 11905 [CDS], Bungartz, F. 7544 A [CDS], Bungartz, F. 7650 [CDS], Bungartz, F. 7699 C [CDS], Bungartz, F. 3594 [CDS], Bungartz, F. 7843 [CDS], Ertz, D. 11740 A [CDS], Aptroot, A. 64577 [CDS], Bungartz, F. 10402 [CDS], Jaramillo, P. 2970 B [CDS], Bungartz, F. 6253 [CDS]

Pertusaria endoxantha Vain.

[*Pertusaria norstictica* A.W. Archer]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2015); Bungartz, F. 7570 [CDS], Ertz, D. 11860 [CDS], Bungartz, F. 7567 [CDS], Bungartz, F. 7544 B [CDS]

Pertusaria flavens Nyl.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2015); Bungartz, F. 3359 [CDS], Bungartz, F. 4353 [CDS], Bungartz, F. 9142 [CDS], Spielmann, A.A. 10758 [CDS], Bungartz, F. 6258 [CDS], Bungartz, F. 10405 [CDS], Ertz, D. 11826 [CDS], Bungartz, F. 6229 [CDS], Bungartz, F. 4550 [CDS], Spielmann, A.A. 10569 [CDS], Aptroot, A. 63241 [CDS], Bungartz, F. 7985 [CDS]

Pertusaria flavida (DC.) J.R. Laundon

[*Isidium lutescens* (Hoffm.) Turner & Borrer, *Isidium phragmaeum* (Ach.) Röhl., *Isidium phymatodes var. phragmaeum* Ach., *Lepra lutescens* (Hoffm.) Hoffm., *Lichen lutescens* Hoffm., *Pertusaria fallax var. variolosa*, *Pertusaria lutescens* (Hoffm.) Lamy, *Pertusaria lutescens f. fagicola* Høeg, *Pertusaria lutescens f. lutescens* (Eschw.) Kremp., *Pertusaria lutescens f. phragmaea* (Ach.) Erichsen, *Pertusaria lutescens var. lutescens* (Eschw.) Kremp., *Pertusaria lutescens var. sublaevis* Erichsen, *Pertusaria lutescens var. viridisordida* Erichsen, *Pertusaria wulfenii var. lutescens* (Hoffm.) Th. Fr., *Variolaria flavida* DC., *Verrucaria lutescens* (Hoffm.) Hoffm.]
source: van den Boom et al. (2022)

Pertusaria galapagoensis Elix, Yánez-Ayabaca, A.W. Archer & Bungartz

endemic to Galapagos, Holotype: Bungartz 10070 [CDS 47465], source: Bungartz et al. (2015); Aptroot, A. 64698 [CDS], Bungartz, F. 9281 [CDS], Bungartz, F. 10070 [CDS], Clerc, P. 08-135 [CDS]

Pertusaria lucidotetra Sipman

source: van den Boom et al. (2022)

Pertusaria lueckingii Bungartz, A.W. Archer & Elix

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, Holotype: Bungartz 10074 [CDS 47469], source: Bungartz et al. (2015); Bungartz, F. 10074 [CDS], Yánez-Ayabaca, A. 1868 [CDS], Spielmann, A.A. 10369 [CDS], Aptroot, A. 65641 [CDS], Spielmann, A.A. 10638 [CDS], Bungartz, F. 10445 [CDS]

Pertusaria medullamarilla Yánez-Ayabaca, Bungartz, A.W. Archer & Elix

endemic to Galapagos, Holotype: Aptroot 64089 [CDS 30650], source: Bungartz et al. (2015); Bungartz, F. 4866 [CDS], Bungartz, F. 6635 [CDS], Truong, C. 1508 [CDS], Clerc, P. 08-393 [CDS], Bungartz, F. 10213 [CDS], Aptroot, A. 64089 [CDS], Aptroot, A. 65738 [CDS], Bungartz, F. 6653 [CDS]

Pertusaria nigrata Kremp.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2015); Bungartz, F. 4165 [CDS], Bungartz, F. 4013 [CDS], Aptroot, A. 65034 [CDS]

Pertusaria papillata (Ach.) Tuck.

source: Benítez et al. (2015; as *Pertusaria* aff. *papillata*); Benítez, A. 327 [HUTPL]

Pertusaria pseudoparnassia Sipman

Holotype LOJA, Nöske & Sipman 183, source: van den Boom et al. (2022)

Pertusaria stictica Nugra, A.W. Archer, Bungartz & Elix

endemic to Galapagos, Holotype: Nugra 451 [CDS 36765], source: Bungartz et al. (2015); Bungartz, F. 10024 [CDS], Nugra, F. 451 [CDS]

Pertusaria tapadensis Elix & A.W. Archer

source: van den Boom et al. (2022)

Pertusaria tejocotensis B. de Lesd.

Pertusaria tejocotensis var. stictica A.W. Archer, Bungartz & Yánez-Ayabaca

endemic to Galapagos, Type: Ecuador. Galápagos: Isla Pinzón, E-facing side of a valley on the W-slope of the highest mountain, 0°36'49"S, 90°40'14"W, 294 m alt., transition zone, E-facing basalt cliff, *Scalesia baurii* ssp. *baurii* and *Polypodium tridens* growing on the basalt cliff, on top and flat slope of sunny, wind- and rain-exposed basalt boulder, 16 Feb 2006, Bungartz 3608 (CDS27426 – holotype!), source: Bungartz et al. (2015); Nugra, F. 117 [CDS], Bungartz, F. 5201 [CDS], Bungartz, F. 4288 [CDS], Bungartz, F. 5313 [CDS], Bungartz, F. 5051 [CDS], Bungartz, F. 4865 [CDS], Aptroot, A. 65140 [CDS], Bungartz, F. 6790 [CDS], Bungartz, F. 6931 [CDS], Bungartz, F. 7012 [CDS], Bungartz, F. 7033 [CDS], Bungartz, F. 7417 [CDS], Bungartz, F. 7724 [CDS], Bungartz, F. 7771 [CDS], Truong, C. 1279 [CDS], Herrera-Campos, M.A. GAL-405 [CDS], Herrera-Campos, M.A. GAL-418 [CDS], Yánez-Ayabaca, A. 1657 [CDS], Bungartz, F. 8929 [CDS], Bungartz, F. 9111 [CDS], Bungartz, F. 10225 [CDS], Bungartz, F. 3608 [CDS], Herrera-Campos, M.A. 10747 [CDS], Ertz, D. 11811 [CDS], Aptroot, A. 64010 [CDS], Bungartz, F. 5970 [CDS], Bungartz, F. 6055 [CDS], Bungartz, F. 6442 [CDS], Nugra, F. 557 [CDS], Clerc, P. 08-267 [CDS], Bungartz, F. 7806 [CDS], Bungartz, F. 7613 [CDS], Bungartz, F. 6775 [CDS], Bungartz, F. 4290 [CDS], Bungartz, F. 8436 [CDS], Bungartz, F. 6611 [CDS], Bungartz, F. 10381 [CDS], Aptroot, A. 65141 [CDS], Truong, C. 1242 [CDS], Ertz, D. 11801 A [CDS], Clerc, P. 08-147 [CDS], Clerc, P. 08-392 [CDS], Yánez-Ayabaca, A. 1660 [CDS], Bungartz, F. 9616 [CDS], Bungartz, F. 4289 [CDS], Aptroot, A. 65708 [CDS], Bungartz, F. 9871 [CDS], Yánez-Ayabaca, A. 2137 [CDS],

Bungartz, F. 4801 C [CDS], Aptroot, A. 65397 [CDS], Nugra, F. 639 [CDS], Bungartz, F. 10191 [CDS], Bungartz, F. 10394 [CDS], Aptroot, A. 64550 [CDS]

Pertusaria tenella Müll.Arg.

source: van den Boom et al. (2022)

Pertusaria tetrathalamia (Fée) Nyl.

[*Pertusaria leioplacoides var. plicatula* Müll.Arg., *Pertusaria tetrathalamia f. tetrathalamia* (Fée) Nyl., *Pertusaria tetrathalamia var. plicatula* (Müll.Arg.) Müll.Arg., *Pertusaria tetrathalamia var. tetrathalamia* (Fée) Nyl., *Porina tetrathalamia* (Fée) Fée, *Trypethelium subumbilicatum* C. Knight, *Trypethelium tetrathalamium* Fée]

source: van den Boom et al. (2022); Bungartz, F. 3502 [CDS], Ertz, D. 11926 [CDS], Bungartz, F. 7680 [CDS], Bungartz, F. 7730 [CDS], Nugra, F. 278 [CDS], Bungartz, F. 7699 A [CDS], Aptroot, A. 63396 [CDS], Aptroot, A. 63803 [CDS], Bungartz, F. 7699 B [CDS], Aptroot, A. 64578 [CDS], Clerc, P. 08-191 [CDS]

Pertusaria texana Müll.Arg.

[*Pertusaria disticha* Erichsen]

source: Bungartz et al. (2015), Benítez et al. (2019), van den Boom et al. (2022); Bungartz, F. 7978 [CDS], Bungartz, F. 8478 [CDS], Bungartz, F. 3371 [CDS], Bungartz, F. 3535 [CDS], Bungartz, F. 6046 [CDS], Bungartz, F. 5660 [CDS], Bungartz, F. 5678 [CDS], Bungartz, F. 4590 [CDS], Bungartz, F. 4901 [CDS], Bungartz, F. 4916 [CDS], Aptroot, A. 65190 A [CDS], Bungartz, F. 6985 [CDS], Ertz, D. 11761 [CDS], Bungartz, F. 7939 [CDS], Truong, C. 1500 [CDS], Bungartz, F. 8395 [CDS], Bungartz, F. 8672 [CDS], Rivas Plata, E. 4008 [CDS], Yánez-Ayabaca, A. 1621 [CDS], Yánez-Ayabaca, A. 1721 [CDS], Bungartz, F. 8963 [CDS], Bungartz, F. 9525 [CDS], Bungartz, F. 9765 [CDS], Bungartz, F. 9929 [CDS], Nugra, F. 460 [CDS], Nugra, F. 109 [CDS], Bungartz, F. 4652 [CDS], Bungartz, F. 6025 [CDS], Bungartz, F. 9195 [CDS], Bungartz, F. 9069 [CDS], Bungartz, F. 4639 [CDS], Bungartz, F. 3621 [CDS], Bungartz, F. 9010 [CDS], Bungartz, F. 7201 [CDS], Bungartz, F. 7225 [CDS], Bungartz, F. 4546 [CDS], Bungartz, F. 5270 [CDS], Bungartz, F. 9028 [CDS], Bungartz, F. 6398 [CDS], Bungartz, F. 3328 [CDS], Aptroot, A. 65074 [CDS], Aptroot, A. 65343 [CDS], Aptroot, A. 63953 [CDS], Jaramillo, P. 2821 [CDS], Jaramillo, P. 2832 [CDS], Simbaña, W. 547 [CDS], Yánez-Ayabaca, A. 1972 [CDS], Yánez-Ayabaca, A. 1981 [CDS], Hillmann, G. GAL-29 [CDS], Weber, W.A. s.n. [CDS], Tehler, A. 8645 [CDS], Ertz, D. 11626 [CDS], Bungartz, F. 3326 [CDS], Bungartz, F. 7356 [CDS], Bungartz, F. 7175 [CDS], Bungartz, F. 7187 [CDS], Bungartz, F. 8941 [CDS], Yánez-Ayabaca, A. 1987 [CDS], Nugra, F. 1077 [CDS], Bungartz, F. 6523 [CDS], Clerc, P. 08-161 [CDS], Benítez, A. 51 [HUTPL]

Pertusaria thelocarpoides Nyl.

source: van den Boom et al. (2022)

Pertusaria thioisidiata Yánez-Ayabaca, Bungartz, A.W. Archer & Elix

Pertusaria thioisidiata var. isidiogyrophorica Yánez-Ayabaca, Bungartz, A.W. Archer & Elix

endemic to Galapagos, Holotype: Bungartz 4793 [CDS 28925], source: Bungartz et al. (2015); Aptroot, A. 65571 [CDS], Bungartz, F. 4793 [CDS]

Pertusaria thioisidiata var. thioisidiata Yánez-Ayabaca, Bungartz, A.W. Archer & Elix

endemic to Galapagos, Holotype: Bungartz 4140 [CDS 28171], source: Bungartz et al. (2015); Bungartz, F. 3981 [CDS], Ertz, D. 11891 [CDS], Bungartz, F. 7619 [CDS], Bungartz, F. 7715 [CDS], Bungartz, F. 4143 [CDS], Aptroot, A. 65694 [CDS], Aptroot, A. 63171 [CDS], Aptroot, A. 64551 [CDS], Aptroot, A. 64889 [CDS], Aptroot, A. 63925 [CDS], Bungartz, F. 4140 [CDS]

Pertusaria thiospoda C. Knight

[*Pertusaria bispora* Farl. ex Linder, *Pertusaria leiotera* Müll.Arg., *Pertusaria minuta* C. Knight, *Pertusaria schizostomella* Müll.Arg.]

according to Bungartz et al. (2015) so far only reported from the Galapagos (including the neotype), possibly also in mainland Ecuador, but the species appears to have its centre of distribution in the western Pacific, where it is common and widely distributed in coastal Australia, Lord Howe Island, Norfolk Island, and Vanuatu; only one record is known as far east as the Cook Islands, native, indigenous, Neotype of *P. bispora*: Stewart 8407 [FH00377356, neotype selected by Bungartz et al. (2015)], source: Bungartz et al. (2015); Bungartz, F. 9620 [CDS]

Pertusaria tuberculifera Nyl.

source: van den Boom et al. (2022)

Pertusaria xanthodes Müll.Arg.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, in the Galapagos only known from a single specimen collected on bark of *Bursera graveolens* in the dry zone of Santa Fé (Jonitz, H. 28), source: Bungartz et al. (2015); Jonitz, H. 28 [CDS]

Pertusaria xanthoisidiata A.W. Archer, Bungartz & Elix

endemic to Galapagos, Holotype: Bungartz 5837 [CDS 33512], source: Bungartz et al. (2015); Truong, C. 1510 [CDS], Bungartz, F. 8528 [CDS], Bungartz, F. 5837 [CDS], Clerc, P. 08-311 [CDS], Bungartz, F. 8657 [CDS], Bungartz, F. 8660 [CDS], Herrera-Campos, M.A. GAL-485 [CDS], Herrera-Campos, M.A. GAL-495 [CDS], Aptroot, A. 65590 [CDS]

Pertusaria xantholeucoides Müll.Arg.

[*Lepra xantholeucoides* (Müll. Arg.) I. Schmitt, A.W. Archer & Lumbsch]

Pertusaria xantholeucoides var. thamnolica Bungartz & Yánez-Ayabaca

endemic to Galapagos, Holotype: Bungartz 4755 [CDS 28887], source: Bungartz et al. (2015); Bungartz, F. 7425 [CDS], Bungartz, F. 7719 [CDS], Bungartz, F. 7725 [CDS], Bungartz, F. 6594 [CDS], Ertz, D. 11786 [CDS], Bungartz, F. 10222 [CDS], Spielmann, A.A. 10535 [CDS], Bungartz, F. 4755 [CDS]

Phacopsis

Phacopsis usneae R. Sant.

* = lichenicolous fungi (parasites on living lichens); on *Usnea* sp., source: Etayo (2017); Etayo, J. 19974 [hb. Etayo]

Phaeographina

Phaeographina caesiopruinosa (Fée) Müll.Arg.

[*Arthonia caesiopruinosa* Fée, *Arthothelium caesiopruinosum* (Fée) A. Massal., *Graphis caesiopruinosa* (Fée) Kremp., *Graphis scalpturata var. plurifera* Nyl., *Hemithecium caesiopruinosum* (Fée) Trevis., *Phaeographina plurifera* (Nyl.) Fink, *Phaeographina scalpturata var. plurifera* (Nyl.) Müll.Arg., *Platygramme caesiopruinosa* (Fée) Fée]

source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), van den Boom et al. (2022)

Phaeographis

Phaeographis atromaculata (A.W. Archer) A.W. Archer

[*Phaeographina atromaculata* A.W. Archer, *Phaeographis illitoraticola* Lendemer, R.C. Harris & Yahr nom. inval., *Phaeographis kalbii* Staiger]

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz & et al. (2009); Aptroot, A. 64589 [CDS], Bungartz, F. 6659 [CDS], Aptroot, A. 64078 [CDS], Aptroot, A. 65591 [CDS]

Phaeographis brasiliensis (A. Massal.) Kalb & Matthes-Leicht

[*Creographa brasiliensis* A. Massal., *Graphis subtigrina* Vain., *Graphis tigrinella f. subtigrina* (Vain.) Vain., *Phaeographina brasiliensis* (A. Massal.) Zahlbr., *Phaeographis subtigrina* (Vain.) Zahlbr., *Sarcographa tricosa f. subtigrina* (Vain.) Zahlbr., *Ustalia brasiliensis* (A. Massal.) Stizenb.]

source: Leighton (1866), Benítez et al. (2015, 1019), Benítez (2016), Chuquimarca et al. (2019); Bungartz, F. 8504 [CDS], Bungartz, F. 8557 [CDS], Clerc, P. 08-387 A [CDS], Yánez-Ayabaca, A. 1495 [CDS], Aptroot, A. 64299 [CDS], Nugra, F. 552 [CDS], Clerc, P. 08-52 [CDS], Bungartz, F. 8134 [CDS], Bungartz, F. 8133 [CDS], Benítez, A. 55 [HUTPL], Benítez, A. 58 [HUTPL]

Phaeographis decipiens Müll.Arg.

source: Chuquimarca et al. (2019), Benítez et al. (2019); Bungartz, F. 7870 [CDS], Bungartz, F. 7904 [CDS], Bungartz, F. 7921 [CDS], Bungartz, F. 8262 [CDS], Benítez, A. 53 [HUTPL]

Phaeographis dendritica (Ach.) Müll.Arg.

[*Arthonia sinensigrapha* Fée, *Graphis dendritica* (Ach.) Ach., *Graphis dendritica f. dendritica* (Ach.) Ach., *Graphis dendritica f. obtusa* Leight., *Graphis dendritica var. dendritica* (Ach.) Ach., *Graphis dendritica var. obtusa* Mudd, *Graphis sinensigrapha* (Fée) A. Massal., *Hymenodecton dendriticum* (Ach.) Leight., *Opegrapha dendritica* Ach., *Phaeographis dendritica var. obtusa* (Leight.) Müll. Arg., *Phaeographis dendritica var. sinensigrapha* (Fée) Zahlbr., *Platygramma dendritica* (Ach.) G. Mey., *Platygramma dendriticum* (Ach.) G. Mey.]
source: Weber (1986), Elix & McCarthy (1998), Nöske et al. (2007), Bungartz et al. (2009), Benítez et al. (2015), Benítez (2016), Chuquimarca et al. (2019); K. Kalb 18418 [WIS], K. Kalb 18115 [WIS], K. Kalb 18514 [WIS], K. Kalb 18551 [WIS], K. Kalb 18087 [WIS], K. Kalb 18114 [WIS], Aptroot, A. 64754 [CDS], Aptroot, A. 65600 [CDS], Ertz, D. 11825 [CDS], Bungartz, F. 7523 [CDS], Bungartz, F. 7535 [CDS], Bungartz, F. 7539 [CDS], Herrera-Campos, M.A. 10812 [CDS], Benítez, A. 349 [HUTPL]

Phaeographis fusca Staiger

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2009); Aptroot, A. 65314 [CDS], Aptroot, A. 63160 [CDS], Aptroot, A. 63173 [CDS], Aptroot, A. 64588 [CDS], Aptroot, A. 64665 [CDS], Bungartz, F. 3290 [CDS], Bungartz, F. 3508 [CDS], Bungartz, F. 5136 [CDS], Bungartz, F. 4690 [CDS], Aptroot, A. 65517 [CDS], Bungartz, F. 6850 [CDS], Bungartz, F. 6900 [CDS], Bungartz, F. 7912 [CDS], Bungartz, F. 7919 [CDS], Bungartz, F. 5530 B [CDS], Truong, C. 1490 [CDS], Bungartz, F. 8574 [CDS], Bungartz, F. 8578 [CDS], Clerc, P. 08-387 B [CDS], Bungartz, F. 10030 [CDS], Bungartz, F. 9652 [CDS], Bungartz, F. 9627 [CDS], Bungartz, F. 10033 [CDS]

Phaeographis haematites (Fée) Müll.Arg.

[*Graphis haematites* Fée, *Pyrographa haematites* (Fée) A. Massal.]
H.H. Iltis E-148 [WIS]

Phaeographis inconspicua (Fée) Müll.Arg.

[*Graphis inconspicua* Fée]
source: Benítez et al. (2015), Benítez (2016)

Phaeographis intricans (Nyl.) Vain.

[*Graphis intricans* Nyl., *Sarcographa intricans* (Nyl.) Müll. Arg.]
source: Lücking (2008), Bungartz et al. (2009), Benítez (2016, 2019), Chuquimarca et al. (2019), van den Boom et al. (2022); Aptroot, A. 63333 [CDS], Aptroot, A. 63177 [CDS], Aptroot, A. 64631 [CDS], Bungartz, F. 4248 [CDS], Aptroot, A. 64062 [CDS], Bungartz, F. 4326 [CDS], Aptroot, A. 64244 [CDS], Bungartz, F. 3513 [CDS], Bungartz, F. 5869 [CDS], Bungartz, F. 5870 [CDS], Bungartz, F. 5847 [CDS], Bungartz, F. 6624 [CDS], Aptroot, A. 63972 [CDS], Bungartz, F. 4244 [CDS], Nugra, F. 372 [CDS], Nugra, F. 419 [CDS], Nugra, F. 458 [CDS], Bungartz, F. 7824 [CDS], Yánez-Ayabaca, A. 1732 [CDS], Yánez-Ayabaca, A. 1834 [CDS], Yánez-Ayabaca, A. 1849 [CDS], Bungartz, F. 9630 [CDS], Bungartz, F. 9256 [CDS], Bungartz, F. 9289 [CDS], Bungartz, F. 10167 [CDS], Bungartz, F. 10171 [CDS], Dal-Forno, M. 1872 [CDS], Benítez, A. 56 [HUTPL]

Phaeographis inusta (Ach.) Müll.Arg.

[*Graphis inusta* Ach., *Graphis inusta var. emergens* Vain. ex Van der Byl, *Graphis inusta var. inusta* Ach., *Opegrapha inusta* (Ach.) Tuck.]
source: Chuquimarca et al. (2019), Benítez et al. (2019); Benítez, A. 54 [HUTPL]

Phaeographis leiogrammodes (Kremp.) Müll. Arg.

[*Graphis leiogrammodes* Kremp., *Phaeographina leiogrammodes* (Kremp.) M. Wirth & Hale]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2009); Aptroot, A. 64586 [CDS], Aptroot, A. 64061 [CDS], Bungartz, F. 4691 [CDS], Ertz, D. 12027 [CDS], Nugra, F. 532 [CDS], Bungartz, F. 7692 [CDS], Bungartz, F. 10029 [CDS]

Phaeographis lobata (Eschw.) Müll.Arg.

[*Graphis lobata* (Eschw.) Reinke, *Lecanactis lobata* Eschw., *Leiogramma lobatum* (Eschw.) Eschw., *Pachnolepia lobata* (Eschw.) Körb.]
source: Bungartz et al. (2009), Benítez (2016, 2019); Aptroot, A. 63340 [CDS], Aptroot, A. 63796 [CDS], Aptroot, A. 64970 [CDS], Aptroot, A. 64243 [CDS], Bungartz, F. 3504 [CDS], Bungartz, F. 3517 [CDS], Aptroot, A. 65597 [CDS], Bungartz, F. 5892 [CDS], Bungartz, F. 6621 [CDS], Bungartz, F. 6625 [CDS], Ertz, D. 11993 [CDS], Bungartz, F. 7826 [CDS], Bungartz, F. 8112 [CDS], Bungartz, F. 8596 [CDS], Bungartz, F. 9713 A [CDS], Bungartz, F. 9715 A [CDS], Bungartz, F. 9732 C [CDS], Bungartz, F. 9728D [CDS], Spielmann, A.A. 10665 [CDS], Spielmann, A.A. 10652 [CDS], Spielmann, A.A. 10655 [CDS], Spielmann, A.A. 10656 [CDS], Spielmann, A.A. 10660 [CDS], Bungartz, F. 10418 [CDS], Aptroot, A. 63180 A [CDS], Yánez-Ayabaca, A. 1504 A [CDS]

Phaeographis major (Kremp.) Lücking

[*Lecanactis sericea var. major* Kremp., *Phaeographis sericea var. major* (Kremp.) Zahlbr.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2009); Aptroot, A. 63346 [CDS], Aptroot, A. 65319 [CDS], Aptroot, A. 64685 [CDS], Bungartz, F. 3510 [CDS], Bungartz, F. 3514 [CDS], Bungartz, F. 6857 [CDS], Bungartz, F. 6859 B [CDS]

Phaeographis nylanderi (Vain.) Zahlbr.

[*Phaeographis brevinigra* Sipman ined.]
the name *Phaeographis brevinigra* was used by H. Sipman in his Provisional determination keys for the Graphidales of Costa Rica (Sipman 2008); according to H. Sipman (pers. com. 2023) the three specimens in B, for which this working name was used, belong to *Phaeographis nylanderi*, therefore specimens cited by Benítez et al. (2015) and Benítez (2016) from Ecuador, identified using the online key, most likely also belong to this species, source: Benítez et al. (2015; as *Phaeographis brevinigra*), Benítez (2016; as *Phaeographis brevinigra*)

Phaeographis punctiformis (Eschw.) Müll.Arg.

[*Graphis punctiformis* (Eschw.) Nyl., *Leiogramma punctiforme* Eschw.]
source: Bungartz et al. (2009), Chuquimarca et al. (2019), Benítez et al. (2019); Aptroot, A. 64967 [CDS], Bungartz, F. 5871 [CDS], Bungartz, F. 5137 [CDS], Bungartz, F. 4347 [CDS], Bungartz, F. 4369 [CDS], Bungartz, F. 4370 [CDS], Aptroot, A. 65416 [CDS], Bungartz, F. 7005 [CDS], Ertz, D. 11772 [CDS], Ertz, D. 12006 [CDS], Bungartz, F. 7403 [CDS], Bungartz, F. 7453 [CDS], Bungartz, F. 7819 [CDS], Bungartz, F. 7842 [CDS], Jaramillo, P. 2965 [CDS], Nugra, F. 555 [CDS], Bungartz, F. 8119 [CDS], Bungartz, F. 8403 [CDS], Bungartz, F. 8407 [CDS], Bungartz, F. 8427 [CDS], Bungartz, F. 8447 [CDS], Clerc, P. 08-47 [CDS], Bungartz, F. 9131 [CDS], Bungartz, F. 9705 A [CDS], Bungartz, F. 9727 B [CDS], Yánez-Ayabaca, A. 2126 [CDS], Bungartz, F. 9736 [CDS], Bungartz, F. 9845 [CDS], Bungartz, F. 9726 [CDS], Bungartz, F. 9713 B [CDS], Bungartz, F. 9732 B [CDS], Benítez, A. 52 [HUTPL]

Phaeographis quadrifera (Nyl.) Staiger

[*Graphis quadrifera* Nyl., *Phaeographina quadrifera* (Nyl.) Zahlbr.]
source: Nöske et al. (2007), Chuquimarca et al. (2019)

Phaeographis scalpturata (Ach.) Staiger

[*Ectographis scalpturata* (Ach.) Trevis., *Graphina scalpturata* (Ach.) Müll. Arg., *Graphis scalpturata* Ach., *Graphis scalpturata f. scalpturata* Ach., *Graphis scalpturata var. scalpturata* Ach., *Leiogramma scalpturatum* (Ach.) Eschw., *Opegrapha scalpturata* (Ach.) Mont., *Phaeographina scalpturata* (Ach.) Müll.Arg., *Phaeographina scalpturata subsp. scalpturata* (Ach.) Müll.Arg., *Phaeographina scalpturata var. scalpturata* (Ach.) Müll.Arg.]
source: Leighton (1866), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Benítez et al. (2015), Benítez (2016), van den Boom et al. (2022), Fernández-Prado et al. (2022); K. Kalb 42151 [WIS], Benítez, A. 351 [HUTPL]

Phaeographis spondaica (Nyl.) Lücking

[*Graphina lecanographa* (Nyl.) Müll.Arg., *Graphis lecanographa* Nyl., *Leptotrema spondaicum* (Nyl.) Zahlbr., *Phaeographina lecanographa* (Nyl.) Müll.Arg., *Phaeographis lecanographa* (Nyl.) Staiger, *Thelotrema spondaicum* Nyl.]
source: Nöske et al. (2007)

Phaeographis striata Bungartz

endemic to Galapagos, Holotype: Bungartz 6606 [CDS 34826], source: Bungartz et al. (2009); Aptroot, A. 64870 [CDS], Bungartz, F. 6606 [CDS]

Phaeographopsis

Phaeographopsis neotropica Vězda & Kalb

source: van den Boom et al. (2022)

Phaeophyscia

Phaeophyscia endococcinodes (Poelt) Essl.

[*Phaeophyscia endococcina var. endococcinodes* (Poelt) Moberg, *Physcia endococcinodes* Poelt, *Physcia endococcinodes var. endococcinodes* Poelt, *Physcia endococcinodes var. megalospora* Poelt, *Physcia endococcinodes var. stellata* Poelt]
parasitized by *Stigmidium pumilum*, source: Nöske et al. (2007), Etayo (2017), van den Boom et al. (2022); K. Kalb 19500 [WIS], K. Kalb 19509 [WIS], K. Kalb 19544 [WIS], K. Kalb 19503 [WIS], K. Kalb 19510 [WIS], Etayo, J. 20040 [hb. Etayo]

Phaeophyscia hirsuta (Mereschk.) Essl.

[*Physcia hirsuta* Mereschk., *Physcia hirsuta var. echinella* Poelt, *Physcia hirsuta var. hirsuta* Mereschk.]
source: van den Boom et al. (2022); Aptroot, A. 64941 [CDS]

Phaeophyscia hispidula (Ach.) Essl.

[*Dimelaena setosa* (Ach.) Trevis., *Parmelia hispidula* Ach., *Parmelia setosa* Ach., *Physcia hispidula* (Ach.) Frey, *Physcia hispidula subsp. exornatula* (Zahlbr.) Poelt, *Physcia hispidula subsp. hispidula* (Ach.) Frey, *Physcia hispidula subsp. primaria* Poelt, *Physcia setosa* (f. virella) B. de Lesd., *Physcia setosa f. deminuta* Cromb., *Physcia setosa f. setosa* (Ach.) Nyl., *Physcia setosa f. sulphurascens* Zahlbr., *Physcia setosa f. virella* B. de Lesd., *Physcia setosa var. albociliata* B. de Lesd., *Physcia setosa var. exornatula* Zahlbr., *Physcia setosa var. setosa* (Ach.) Nyl.]
parasitized by *Reconditella physconiarum*, source: Ochoa-Jiménez et al. (2015), Nöske et al. (2007), Nöske (2005), Nöske & Sipman (2004), Etayo (2017; as *Phaeophyscia* cf. *hispidula*), van den Boom et al. (2022); K. Kalb 19474 [WIS], K. Kalb 19534 [WIS], K. Kalb 19496 [WIS], K. Kalb 19499 [WIS]

Phaeophyscia limbata (Poelt) Kashiw.

[*Physcia hispidula subsp. limbata* Poelt]
source: Benítez et al. (2012, 2015; as *Phaeophyscia* aff. *limbata*), Chuquimarca et al. (2019; as *Phaeophyscia* aff. *limbata*); Benítez, A. 353 [HUTPL]

Phaeophyscia nigricans (Flörke) Moberg

[*Lecanora nigricans* Flörke, *Parmelia obscura f. sciastrella* Nyl., *Parmelia tremulicola* (Nyl.) Arnold, *Physcia nigricans* (Flörke) Stizenb., *Physcia nigricans f. fusca* (Räsänen) Zahlbr., *Physcia nigricans f. nigricans* (Flörke) Stizenb., *Physcia nigricans f. parvula* (Vain.) Nádv., *Physcia nigricans f. tremulicola* (Nyl.) Maas Geest., *Physcia nigricans var. auraënsis* (Vain.) Räsänen, *Physcia nigricans var. groenlandica* Å.E. Dahl, *Physcia nigricans var. helvetica* (Vain. ex Räsänen) Frey, *Physcia nigricans var. nigricans* (Flörke) Stizenb., *Physcia nigricans var. sciastrella* (Nyl.) Lynge, *Physcia nigricans var. tremulicola* (Nyl.) Lynge, *Physcia sciastrella* (Nyl.) Harm., *Physcia sciastrella var. sciastrella* (Nyl.) Harm., *Physcia sciastrella var. sublurida* Vain., *Physcia tremulicola* Nyl., *Physcia tremulicola f. atra* Lynge, *Physcia tremulicola f. tremulicola* Nyl., *Physcia tremulicola subsp. leptothallina* Vain., *Physcia tremulicola subsp. tremulicola* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 10531 A [CDS]

Phaeophyscia orbicularis (Necker) Moberg

[*Anaptychia obscura* (Ehrh.) A. Massal., *Anaptychia obscura var. cycloselis* (Ach.) A. Massal., *Anaptychia obscura var. obscura* (Ehrh.) A. Massal., *Borrera obscura* (Ehrh.) Mudd, *Borrera obscura var. obscura* (Ehrh.) Mudd, *Borrera obscura var. virella* (Ach.) Mudd, *Dimelaena obscura* (Ehrh.) Norman, *Hagenia obscura* (Ehrh.) De Not., *Imbricaria cycloselis* (Ach.) DC., *Imbricaria obscura* (Ehrh.) Kickx, *Lecanora virella* (Ach.) Ach., *Lichen cycloselis* Ach., *Lichen orbicularis* Neck., *Lichen virellus* Ach., *Lobaria obscura* (Ehrh.) Gaertn., G. Mey. & Scherb., *Lobaria orbicularis* (Baumg.) Hoffm., *Parmelia cycloselis* (Ach.) Ach., *Parmelia cycloselis var. cycloselis* (Ach.) Ach., *Parmelia obscura* (Ehrh.) Fr., *Parmelia obscura f. cycloselis* (Ach.) Körb., *Parmelia obscura f. obscura* (Ehrh.) Fr., *Parmelia obscura f. orbicularis* (Baumg.) Arnold, *Parmelia obscura f. pseudoplatani* Britzelm., *Parmelia obscura var. muscicola* Schaer., *Parmelia obscura var. obscura* (Ehrh.) Fr., *Parmelia obscura var. saxicola* A. Massal., *Parmelia virella* (Ach.) Ach., *Phaeophyscia orbicularis f. virella* (Ach.) J. Nowak, *Phaeophyscia orbicularis var. hueana* (Harm.) Clauzade & Cl. Roux, *Physcia cycloselis* (Ach.) Vain. ex Räsänen, *Physcia cycloselis f. cycloselis* (Ach.) Vain., *Physcia cycloselis f. elongata* Räsänen, *Physcia cycloselis f. sorediifera* (Nyl.) Räsänen, *Physcia cycloselis var. cycloselis* (Ach.) Vain. ex Räsänen, *Physcia hueana* (Harm.) Klem., *Physcia obscura* Nyl., *Physcia obscura f. hueana* Harm., *Physcia obscura f. obscura* (Ehrh.) Fürnr., *Physcia obscura var. cycloselis* (Ach.) J.J. Kickx, *Physcia obscura var. obscura* (Ehrh.) Fürnr., *Physcia obscura var. virella* (Ach.) Leight., *Physcia orbicularis* (Necker) Poetsch, *Physcia orbicularis f. albida* B. de Lesd., *Physcia orbicularis f. albociliata* (B. de Lesd.) J.W. Thomson, *Physcia orbicularis f. bicolor* (Britzelm.) Grummann, *Physcia orbicularis f. calcicola* Nádv., *Physcia orbicularis f. cycloselis* (Ach.) Szatala, *Physcia orbicularis f. elongata* (Räsänen) Räsänen, *Physcia orbicularis f. insignis* (Mereschk.) Frey, *Physcia orbicularis f. intermedia* Schade, *Physcia orbicularis f. orbicularis* (Baumg.) Poetsch, *Physcia orbicularis f. pallida* Räsänen, *Physcia orbicularis f. pseudoplatani* (Britzelm.) Sántha, *Physcia orbicularis f. tristis* Räsänen, *Physcia orbicularis f. virella* (Ach.) Schade, *Physcia orbicularis var. ciliata*, *Physcia orbicularis var. hueana* (Harm.) Clauzade & Cl. Roux, *Physcia orbicularis var. labrata* (Mereschk.) B. de Lesd., *Physcia orbicularis var. orbicularis* (Baumg.) Poetsch, *Physcia orbicularis var. sorediifera* (Nyl.) Räsänen, *Physcia orbicularis var. transatlantica* Räsänen, *Physcia orbicularis var. virella* (Ach.) A.L. Sm., *Physcia ulothrix var. virella* (Ach.) Cromb., *Physcia virella* (Ach.) Flagey, *Physcia virella f. pallidior* Mereschk., *Physcia virella f. tenuisecta* Mereschk., *Physcia virella f. ticinensis* Mereschk., *Physcia virella f. virella* (Ach.) Flagey, *Physcia virella var. gracilis* Mereschk., *Physcia virella var. hueana* (Harm.) Lindau, *Physcia virella var. virella* (Ach.) Flagey, *Placodium orbiculare* (Baumg.) Hoffm., *Psora orbicularis* Baumg., *Rinodina virella* (Ach.) Körb., *Squamaria obscura* (Ehrh.) Beltr., *Xanthoria obscura* (Ehrh.) Horw., *Xanthoria ulothrix var. virella* (Ach.) Horw.]
source: van den Boom et al. (2022); Etayo, J. 20038 [hb. Etayo], Etayo, J. 25370 [hb. Etayo]

Phaeophyscia pusilloides (Zahlbr.) Essl.

[*Physcia pusilloides* Zahlbr.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 65720 [CDS], Bungartz, F. 10448 A [CDS]

Phaeotrema

Phaeotrema pachysporum (Nyl.) Zahlbr.

[*Thelotrema pachysporum* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 64692 [CDS], Bungartz, F. 3546 [CDS], Aptroot, A. 64878 [CDS], Bungartz, F. 4182 [CDS], Bungartz, F. 6628 [CDS], Nugra, F. 326 [CDS], Nugra, F. 138 [CDS], Bungartz, F. 6895 [CDS], Ertz, D. 11859 [CDS], Bungartz, F. 7558 [CDS], Bungartz, F. 9454 [CDS], Bungartz, F. 9341 [CDS], Hillmann, G. GAL-101 [CDS]

Phlyctella

Phlyctella andensis Nyl.

source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), van den Boom et al. (2022)

Phlyctella brasiliensis (Nyl.) Nyl.

[*Phlyctis brasiliensis* Nyl.]
source: van den Boom et al. (2022)

Phlyctis

Phlyctis andensis Nyl.

source: Nöske et al. (2007)

Phlyctis boliviensis Nyl.

[*Phlyctidia boliviensis* (Nyl.) Müll.Arg. nom inval., *Phlyctidia ludoviciensis* Müll.Arg., *Phlyctis ludoviciensis* (Müll. Arg.) Lendemer]
source: van den Boom et al. (2022); R. C. Harris 16993 [NY], R. C. Harris 16896 [NY]

Phoma

Phoma dubia (Linds.) Sacc. & Trotter

[*Abrothallus dubius* (Linds.) Müll. Arg., Bull. Herb. Boissier 1: 85 (1894), *Phymatopsis dubia* Linds.]
* = lichenicolous fungi (parasites on living lichens); on *Chrysothrix candelaris*, *Usnea* sp., source: Etayo (2017); Etayo, J. 26239 [hb. Etayo], Etayo, J. 26347 [hb. Etayo]

Phoma peltigerae (P. Karst.) D. Hawksw.

[*Phyllosticta peltigerae* P. Karst.]
* = lichenicolous fungi (parasites on living lichens); on *Yoshimuriella subdissecta*, source: Etayo (2017; as *Phoma* aff. *peltigerae*)

Phomatospora

Phomatospora dinemasporium J. Webster

[*Dematium aureum var. strigosum* Pers., *Dematium strigosum* (Pers.) Pers., *Dinemasporium strigosum* (Fr.) Sacc., *Peziza laevigata* Fr.]
* = lichenicolous fungi (parasites on living lichens); on *Sticta tomentosa* and *Yoshimuriella subdissecta*, source: Etayo (2017); Etayo, J. 25481 [hb. Etayo]

Phyllobaeis

Phyllobaeis erythrella (Mont.) Kalb

[*Baeomyces erythrellus* (Mont.) Nyl., *Baeomyces imbricatus var. erythrellus* (Mont.) B.G. de Vries, *Biatora erythrella* Mont., *Tubercularia erythrella* (Mont.) Kuntze]
source: Nöske et al. (2007), Nöske & Sipman (2004), Mittermeier (2015), van den Boom et al. (2022); B. M. Boom 1381 [NY], P. Armstrong s.n. [WIS], K. Kalb 17039 [WIS], Patricia Armstrong 1005 [WIS], Boom, B.M. 1381 [QCAM]

Phyllobaeis imbricata (Hook.) Kalb & Gierl

[*Baeomyces imbricatus* Hook., *Baeomyces imbricatus var. imbricatus* Hook., *Ludovicia imbricata* (Hook.) Trevis., *Tubercularia imbricata* (Hook.) Kuntze]
parasitized by *Arthrorhaphis phyllobaeis* and *Sphaerellothecium coniodes*, source: Nöske & Sipman (2004), Nöske et al. (2007), Etayo (2017), González et al. (2017a, b, 2019), van den boom et al. (2022); L. B. Holm-Nielsen 17261 [NY], L. B. Holm-Nielsen 3390 [NY], L. B. Holm-Nielsen 5382 [NY], R. C. Harris 17366 [NY], H. Balslev 2074 [NY], H. Balslev 1612 [NY], L. Brako 4383 [NY], W. R. Buck 10015 [NY], Lois Brako 4383 [WIS], K. Kalb s.n. [WIS], K. Kalb 18640 [WIS], K. Kalb 17090 [WIS], K. Kalb 18865 [WIS], K. Kalb & A. Kalb 1987-08-10 [UPS], K. Kalb, A. Kalb 1987-08-10 [O], Aptroot, A. 63655 [CDS], Telma Paredes 742 [INABIOEC-MECN-QCNE], Carla Cole 283 [INABIOEC-MECN-QCNE], Marcelo Díaz-Andrade 40 [INABIOEC-MECN-QCNE], Telma Paredes 994 [INABIOEC-MECN-QCNE], Telma Paredes 778 [INABIOEC-MECN-QCNE], Telma Paredes 810 [INABIOEC-MECN-QCNE], Telma Paredes 798 [INABIOEC-MECN-QCNE], Telma Paredes 815 [INABIOEC-MECN-QCNE], Telma Paredes 826 [INABIOEC-MECN-QCNE], Telma Paredes 838 [INABIOEC-MECN-QCNE], Telma Paredes 941 [INABIOEC-MECN-QCNE], Telma Paredes 978 [INABIOEC-MECN-QCNE], Telma Paredes 997 [INABIOEC-MECN-QCNE], Etayo, J. 17303 [hb. Etayo], Etayo, J. 17350 [hb. Etayo], Etayo, J. 20051 [hb. Etayo], Etayo, J. 25663 [hb. Etayo], Etayo, J. 25931 [hb. Etayo], Holm-Nielsen... 1429 [QCAM], Balslev, H. 1612 [QCAM], Harris, R.C. 17597 [QCAM], Holm-Nielsen... 3390 [QCAM], Brako, L. 4485 [QCAM], Balslev, H. 2074 [QCAM], Holm-Nielsen... 5530 [QCAM], Holm-Nielsen... 5382 [QCAM]

Phyllobathelium

Phyllobathelium anomalum Lücking

Holotype QCNE, Lücking 96-254, source: Lücking (2008); Lücking, R. 96-254 [INABIOEC-MECN-QCNE]

Phyllobathelium chlorogastricum (Müll. Arg.) Aptroot & Lücking

[*Campylothelium chlorogastricum* (Müll.Arg.) Aptroot, *Cryptothelium chlorogastricum* (Müll.Arg.) Zahlbr., *Heufleria chlorogastrica* Müll.Arg., *Phyllobathelium megapotamicum* (Malme) R. Sant., *Phyllobathelium thaxteri* (Vain.) Zahlbr., *Thelenella megapotamica* Malme, *Thelenella thaxteri* Vain., *Thelenella thaxteri var. heterogena* Vain.]
source: Lücking (1999), Lücking (2008; as *Phyllobathelium thaxteri*)

Phyllobathelium epiphyllum (Müll.Arg.) Müll.Arg.

[*Bathelium epiphyllum* Müll.Arg.]
source: Lücking (1999)

Phyllobathelium firmum (Stirt.) Vězda

[*Opercularia firma* Stirt.]
source: Lücking & Matzer (2001), Lücking et al. (2008), van den Boom et al. (2022); Palice, Z.; et al. s.n. [DUKE]

Phyllobathelium leguminosae (Cavalc. & A.A. Silva) Lücking & Sérus.

[*Septoriomyces leguminosae* Cavalc. & A.A. Silva]
source: Lücking (1999, 2008), Lücking & Matzer (2001)

Phylloblastia

Phylloblastia inconspicua Lücking

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Truong, C. 1209 [CDS]

Phyllogyalidea

Phyllogyalidea epiphylla (Vězda) Lücking & Aptroot

[*Gyalidea epiphylla* Vězda]
source: Lücking (1999, 2008); R. Lücking 96-705 [WIS], R. Lücking 96-705 [F]

Phyllopeltula

Phyllopeltula corticola (Büdel & R. Sant.) Kalb

[*Peltula corticola* Büdel & R. Sant.]
source: van den Boom et al. (2022)

Phyllophiale

Phyllophiale fusca R. Sant.

source: Lücking (1999)

Phyllophiale viridis Lücking & M. Cáceres

source: Lücking & Cáceres (1999), Lücking (1999)

Phyllopsora

Phyllopsora buettneri (Müll.Arg.) Zahlbr.

[*Lecidea buettneri* (Müll.Arg.) Stizenb., *Phyllopsora buettneri var. buettneri* (Müll.Arg.) Zahlbr., *Phyllopsora buettneri var. munda* (Malme) Brako, *Psora buettneri* Müll.Arg.]
source: Déleg et al. (2021), Fernández-Prado et al. (2022)

Phyllopsora chlorophaea (Müll.Arg.) Zahlbr.

[*Lecidea furfuracea f. schizophylla* Vain.]
source: Benítez et al. (2015), Benítez (2016), Déleg et al. (2021); Benítez, A. 356 [HUTPL], Benítez, A. 357 [HUTPL]

Phyllopsora concinna Kistenich & Timdal

source: Kistenich et al. (2019)

Phyllopsora confusa Swinscow & Krog

source: Brako (1991); Klara Scharnagl 2028 [MSC], Klara Scharnagl 2029 [MSC], K. Kalb 17573 [WIS], K. Kalb 17576 [WIS], Clerc, P. 08-303 [CDS], Bungartz, F. 3932 [CDS], Bungartz, F. 3293 [CDS], Bungartz, F. 8255 [CDS], Bungartz, F. 8519 [CDS], Herrera-Campos, M.A. GAL-478 [CDS], Yánez-Ayabaca, A. 1952 [CDS], Bungartz, F. 10052 [CDS], Spielmann, A.A. 10387 [CDS], Spielmann, A.A. 10705 [CDS], Spielmann, A.A. 10714 [CDS], Bungartz, F. 10416 [CDS], Aptroot, A. 64495 [CDS], Spielmann, A.A. 10706 [CDS], Aptroot, A. 63339 [CDS]

Phyllopsora corallina (Eschw.) Müll.Arg.

[*Biatora corallina* (Eschw.) Hook. & Taylor, *Lecidea corallina* Eschw., *Phyllopsora corallina var. subglaucella* G.K. Mishra, Upreti & Nayaka, *Phyllopsora parvifolia var. corallina* (Tuck.) G. Merr., *Psora corallina* (Eschw.) Müll. Arg.]
source: Elix et al. (1990), Brako (1991), Fernández-Prado et al. (2022); K. Kalb 17569 [WIS], K. Kalb 17570 [WIS], K. Kalb 17568 [WIS], K. Kalb 17084 [WIS], K. Kalb 17566 [WIS]

Phyllopsora corallina var. corallina (Eschw.) Müll.Arg.

[*Lecidea corallina var. corallina* Eschw.]
source: Brako (1991)

Phyllopsora fendleri (Tuck. & Mont.) Müll. Arg.

[*Biatora fendleri* Tuck. & Mont., *Lecidea fendleri* (Tuck. & Mont.) Nyl.]
source: Benítez et al. (2015), Benítez (2016); Benítez, A. 358 [HUTPL]

Phyllopsora furfuracea (Pers.) Zahlbr.

[*Lecidea furfuracea* Pers., *Lecidea furfuracea var. furfuracea* Pers., *Lecidea sanguineoatra var. furfuracea* (Pers.) Nyl.]
source: Brako (1991), Benítez (2016), Fernández-Prado et al. (2022); Benítez, A. 359 [HUTPL]

Phyllopsora glaucescens Timdal

source: Benítez et al. (2015), Benítez (2016); Klara Scharnagl 2092 [MSC], Benítez, A. 360 [HUTPL]

Phyllopsora gossypina (Sw.) Kistenich, Timdal, Bendiksby & S. Ekman

[*Amphiloma gossypinum* (Sw.) Nyl., *Byssocaulon gossypinum* (Sw.) Müll. Arg., *Crocynia gossypina* (Sw.) A. Massal., *Lecidea gossypina* (Sw.) Ach., *Lichen gossypinus* Sw., *Symplocia gossypina* (Sw.) A. Massal.]
source: Flakus et al. (2013); Klara Scharnagl 1868 [MSC], Klara Scharnagl 1819 [MSC], Klara Scharnagl 2259 [MSC], Klara Scharnagl 2260 [MSC], Klara Scharnagl 1831 [MSC], Klara Scharnagl 1900 [MSC], Klara Scharnagl 1926 [MSC], Klara Scharnagl 1929 [MSC], Klara Scharnagl 2025 [MSC], Klara Scharnagl 2061 [MSC], Klara Scharnagl 2065 [MSC], Klara Scharnagl 2066 [MSC], Klara Scharnagl 2176 [MSC], Klara Scharnagl 2024b [MSC], K. Kalb 18829 [WIS]

Phyllopsora hispaniolae Timdal

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 361 [HUTPL]

Phyllopsora intermediella (Nyl.) Zahlbr.

[*Lecidea intermediella* Nyl., *Psora intermediella* (Nyl.) Müll.Arg.]
source: Brako (1991), Fernández-Prado et al. (2022); Klara Scharnagl 1966 [MSC], Bungartz, F. 5730 [CDS], Bungartz, F. 5879 A [CDS], Bungartz, F. 3700 [CDS], Hillmann, G. GAL-58 [CDS], Hillmann, G. GAL-75 [CDS], Hillmann, G. GAL-77 [CDS], Rivas Plata, E. 4053 [CDS], Bungartz, F. 9378 [CDS], Bungartz, F. 10230 [CDS], Yánez-Ayabaca, A. 1807 [CDS], Yánez-Ayabaca, A. 1860 [CDS], Nugra, F. 1121 [CDS], Nugra, F. 207 [CDS], Aptroot, A. 65648 [CDS], Bungartz, F. 5590 [CDS], Bungartz, F. 4953 [CDS], Aptroot, A. 64325 [CDS], Nugra, F. 334 [CDS]

Phyllopsora isidiotyla (Vain.) Riddle

[*Lecidea isidiotyla* Vain.]
source: Benítez et al. (2015), Benítez (2016), Chuquimarca et al. (2019); Klara Scharnagl 2256 [MSC], Klara Scharnagl 1869 [MSC], Benítez, A. 362 [HUTPL], Benítez, A. 363 [HUTPL], Benítez, A. 364 [HUTPL]

Phyllopsora kalbii Brako

[*Biatora kalbii* (Brako) S.Y. Kondr.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 5710 [CDS], Bungartz, F. 5734 [CDS], Bungartz, F. 5792 [CDS], Bungartz, F. 5784 [CDS], Bungartz, F. 5162 [CDS], Bungartz, F. 4971 [CDS], Bungartz, F. 4967 [CDS], Bungartz, F. 6546 [CDS], Bungartz, F. 7908 [CDS], Clerc, P. 08-36 [CDS], Bungartz, F. 9372 [CDS], Bungartz, F. 9569 [CDS], Bungartz, F. 10237 [CDS], Yánez-Ayabaca, A. 2107 [CDS], Aptroot, A. 65607 [CDS], Bungartz, F. 4258 [CDS], Aptroot, A. 65181 [CDS], Aptroot, A. 64924 [CDS], Nugra, F. 4 [CDS], Bungartz, F. 6539 A [CDS]

Phyllopsora lividocarpa Timdal

source: Déleg et al. (2021)

Phyllopsora longiuscula (Nyl.) Zahlbr.

[*Lecidea longiuscula* Nyl., *Psora longiuscula* (Nyl.) Müll.Arg.]
Klara Scharnagl 2081 [MSC], Klara Scharnagl 2189 [MSC]

Phyllopsora minor Brako

[*Lecidea corallina var. schizophylloides* Vain., *Phyllopsora corallina var. schizophylloides* (Vain.) Zahlbr.]
Klara Scharnagl 1885 [MSC], Klara Scharnagl 2027 [MSC]

Phyllopsora ochroxantha (Nyl.) Zahlbr.

[*Lecidea ochroxantha* Nyl., *Lecidea ochroxantha f. ochroxantha* Nyl., *Phyllopsora corallina var. ochroxantha* (Nyl.) Brako, *Psora ochroxantha*, *Wolseleyidea ochroxantha* (Nyl.) S.Y. Kondr., Farkas & Lőkös]
source: Elix et al. (1990), Brako (1991)

Phyllopsora parvifolia (Pers.) Müll.Arg.

[*Biatora parvifolia* (Pers.) Mont., *Lecidea parvifolia* Pers., *Lecidea parvifolia f. parvifolia* Pers., *Lecidea parvifolia f. subgranulosa* Tuck., *Lecidea parvifolia var. granulosa* (Müll. Arg.) Shirley, *Lecidea parvifolia var. parvifolia* Pers., *Phyllopsora parvifolia f. parvifolia* (Pers.) Müll.Arg., *Phyllopsora parvifolia var. fibrillifera* Müll.Arg., *Phyllopsora parvifolia var. granulosa* (Müll.Arg.) Müll.Arg., *Phyllopsora parvifolia var. parvifolia* (Pers.) Müll Arg., *Phyllopsora parvifolia var. subgranulosa* (Tuck.) Müll.Arg., *Psora parvifolia* (Pers.) A. Massal., *Psora parvifolia var. granulosa* Müll.Arg., *Zeora parvifolia* (Pers.) C. Müll.]
source: Brako (1991), Benítez et al. (2015), Benítez (2016); K. Kalb 17579 [WIS], K. Kalb 17574 [WIS], Bungartz, F. 5816 [CDS], Aptroot, A. 65746 [CDS], Benítez, A. 365 [HUTPL]

Phyllopsora parvifoliella (Nyl.) Müll.Arg.

[*Lecidea parvifoliella* Nyl.]
source: Benítez et al. (2015), Benítez (2016), Fernández-Prado et al. (2022); Benítez, A. 366 [HUTPL]

Phyllopsora phaeobyssina (Vain.) Timdal

[*Lecidea breviuscula var. phaeobyssina* Vain., *Phyllopsora breviuscula var. phaeobyssina* (Vain.) Zahlbr., *Phyllopsora corallina var. phaeobyssina* (Vain.) Brako]
source: Brako (1991)

Phyllopsora porphyromelaena (Vain.) Zahlbr.

[*Phyllopsora buettneri var. glauca* (B. de Lesd.) Brako, *Phyllopsora parvifolia var. glauca* B. de Lesd.]
source: Brako (1991; as *P. buettneri* var. *glauca*; chemotypes 1 & 3)

Phyllopsora pyrrhomelaena (Tuck.) Swinscow & Krog

[*Biatora pyrrhomelaena* Tuck., *Lecidea pyrrhomelaena* (Tuck.) Tuck.]
K. Kalb 18681 [WIS]

Phyllopsora pyxinoides (Nyl.) Kistenich, Timdal, Bendiksby & S. Ekman

[*Crocynia pyxinoides* Nyl.]
source: Fernández-Prado et al. (2022), van den Boom et al. (2022)

Phyllopsora santensis (Tuck.) Swinscow & Krog

[*Lecidea santensis* Tuck., *Phyllopsora corallina var. santensis* (Tuck.) Brako]
source: Brako (1991), Benítez et al. (2015); Klara Scharnagl 2010 [MSC], Klara Scharnagl 1951a [MSC], Benítez, A. 367 [HUTPL], Benítez, A. 368 [HUTPL], Benítez, A. 369 [HUTPL]

Phyllopsora subcrustacea (Malme) Brako

[*Lecidea corallina var. subcrustacea* Malme, *Phyllopsora corallina var. subcrustacea* (Malme) Zahlbr.]
source: Fernández-Prado et al. (2022)

Physcia

Physcia adscendens (Fr.) H. Olivier

[*Parmelia anthelina* Ach., *Parmelia stellaris var. adscendens* Fr., *Physcia aipolia f. anthelina* (Ach.) Vain., *Physcia ascendens* Bitter, *Physcia stellaris var. adscendens* (Fr.) Rabenh.]
source: Moberg (1990)

Physcia aipolia (Ehrh. ex Humb.) Fürnr.

[*Imbricaria aipolia* (Ehrh. ex Humb.) DC., *Lichen aipolius* Ehrh. ex Humb., *Lobaria aipolia* (Ehrh. ex Humb.) Hoffm., *Parmelia aipolia* (Ehrh. ex Humb.) Ach., *Parmelia aipolia var. aipolia* (Ehrh. ex Humb.) Ach., *Parmelia aipolia var. cercidia* Ach., *Parmelia stellaris var. aipolia* (Ehrh. ex Humb.) Fr., *Physcia aipolia var. cercidia* (Ach.) Nyl., *Physcia stellaris var. aipolia* (Ehrh. ex Humb.) Tuck., *Physcia stellaris var. cercidia* (Ach.) Th. Fr., *Squamaria aipolia* (Ehrh. ex Humb.) Frege, *Xanthoria aipolia* (Ehrh.) Horw., *Xanthoria aipolia var. aipolia* (Ehrh.) Horw., *Xanthoria aipolia var. anthelina* (Ach.) Horw., *Xanthoria aipolia var. cercidia* (Ach.) Horw.]
source: Moberg (1990), Ochoa-Jiménez et al. (2015), Chuquimarca et al. (2019)

Physcia albata (F. Wilson) Hale

[*Dimelaena alboplumbea* (Taylor) Trevis., *Parmelia albata* F. Wilson, *Parmelia alboplumbea* Taylor, *Physcia alboplumbea* (Taylor) Nyl.]
K. Kalb 19497 [WIS]

Physcia atrostriata Moberg

source: Moberg (1990), Chuquimarca et al. (2019); Jaramillo, P. 2881 B [CDS], Weber, W.A. s.n. [CDS], Aptroot, A. 63061 [CDS], Aptroot, A. 63788 [CDS], Bungartz, F. 3940 [CDS], Bungartz, F. 4124 [CDS], Bungartz, F. 3543 [CDS], Aptroot, A. 63908 [CDS], Aptroot, A. 64825 [CDS], Bungartz, F. 3458 [CDS], Bungartz, F. 3460 [CDS], Aptroot, A. 64003 [CDS], Bungartz, F. 4260 [CDS], Bungartz, F. 4283 [CDS], Bungartz, F. 3995 [CDS], Bungartz, F. 4957 [CDS], Bungartz, F. 4976 [CDS], Bungartz, F. 3515 [CDS], Bungartz, F. 4213 [CDS], Aptroot, A. 65279 [CDS], Bungartz, F. 3684 [CDS], Aptroot, A. 64316 [CDS], Aptroot, A. 65490 [CDS], Bungartz, F. 3577 [CDS], Aptroot, A. 63990 [CDS], Aptroot, A. 63311 [CDS], Nugra, F. 190 [CDS], Bungartz, F. 6286 [CDS], Bungartz, F. 5737 [CDS], Bungartz, F. 5832 [CDS], Bungartz, F. 5175 [CDS], Bungartz, F. 5874 [CDS], Bungartz, F. 5112 [CDS], Bungartz, F. 5521 [CDS], Bungartz, F. 5967 [CDS], Bungartz, F. 6709 [CDS], Nugra, F. 303 [CDS], Nugra, F. 315 [CDS], Nugra, F. 269 [CDS], Nugra, F. 150 [CDS], Nugra, F. 45 [CDS], Nugra, F. 50 [CDS], Nugra, F. 429 [CDS], Nugra, F. 430 [CDS], Bungartz, F. 6910 [CDS], Ertz, D. 11971 [CDS], Nugra, F. 494 [CDS], Nugra, F. 517 [CDS], Nugra, F. 518 [CDS], Bungartz, F. 7104 [CDS], Bungartz, F. 7105 [CDS], Bungartz, F. 7499 [CDS], Bungartz, F. 7754 [CDS], Bungartz, F. 7778 [CDS], Nugra, F. 343 B [CDS], Nugra, F. 554 [CDS], Nugra, F. 623 [CDS], Nugra, F. 631 [CDS], Nugra, F. 635 [CDS], Truong, C. 1345 [CDS], Clerc, P. 08-24 [CDS], Herrera-Campos, M.A. 10628 [CDS], Bungartz, F. 8308 [CDS], Bungartz, F. 8440 [CDS], Bungartz, F. 8549 [CDS], Herrera-Campos, M.A. GAL-415 [CDS], Bungartz, F. 8745 [CDS], Hillmann, G. GAL-137 [CDS], Rivas Plata, E. 4038 [CDS], Spielmann, A.A. 8245 [CDS], Bungartz, F. 8864 [CDS], Bungartz, F. 9147 [CDS], Bungartz, F. 9298 [CDS], Bungartz, F. 9361 [CDS], Bungartz, F. 9511 A [CDS], Bungartz, F. 9577 [CDS], Bungartz, F. 9603 [CDS], Bungartz, F. 10156 [CDS], Yánez-Ayabaca, A. 1741 [CDS], Yánez-Ayabaca, A. 1775 [CDS], Yánez-Ayabaca, A. 1873 [CDS], Bungartz, F. 10035 [CDS], Bungartz, F. 10132 [CDS], Bungartz, F. 9344 [CDS], Bungartz, F. 9811 [CDS], Bungartz, F. 9542 [CDS], Bungartz, F. 9311 [CDS], Bungartz, F. 10131 [CDS], Bungartz, F. 9458 [CDS], Bungartz, F. 9271 [CDS], Bungartz, F. 9318 [CDS], Bungartz, F. 10151 [CDS], Bungartz, F. 9938 [CDS], Nugra, F. 336 [CDS], Spielmann, A.A. 10400 [CDS], Spielmann, A.A. 10557 [CDS], Spielmann, A.A. 10688 [CDS], Spielmann, A.A. 10692 [CDS], Spielmann, A.A. 10742 [CDS], Nugra, F. 1014 [CDS], Bungartz, F. 10294 [CDS], Bungartz, F. 10344 [CDS], Bungartz, F. 10423 [CDS], Bungartz, F. 10467 [CDS], Nugra, F. 1115 [CDS], Bungartz, F. 10363 [CDS], Bungartz, F. 10984 [CDS], Bungartz, F. 9437 [CDS], Yánez-Ayabaca, A. 1968 [CDS], Bungartz, F. 9460 A [CDS]

Physcia biziana (A. Massal.) Zahlbr.

[*Dimelaena biziana* (A. Massal.) Trevis., *Physcia ragusana var. biziana* (A. Massal.) Zahlbr., *Squamaria biziana* A. Massal.]
source: van den Boom (2022)

Physcia cinerea Moberg

source: Moberg (1990)

Physcia convexa Nyl.

source: Moberg (1990), Cevallos (2012)

Physcia coronifera Moberg

Holotype GB, Arvidsson & Nilsson 2134, source: Moberg (1990), Nöske et al. (2007); K. Kalb 19498 [WIS], K. Kalb 19539 [WIS], Arvidsson, L.; Nilson, D. 2134 [GB]

Physcia crispa Nyl.

[*Dimelaena crispa* (Nyl.) Trevis., *Physcia stellaris subsp. crispa* (Nyl.) Tuck.]
source: Elix & McCarthy (1998), Chuquimarca et al. (2019), Benítez et al. (2019); Bungartz, F. 7267 [CDS], Bungartz, F. 4527 [CDS], Bungartz, F. 4839 [CDS], Bungartz, F. 7188 [CDS], Yánez-Ayabaca, A. 2133 [CDS], Aptroot, A. 65243 [CDS], Aptroot, A. 65354 [CDS], Spielmann, A.A. 10687 [CDS], Nugra, F. 1139 [CDS], Aptroot, A. 64920 [CDS], Yánez-Ayabaca, A. 1747 [CDS], Yánez-Ayabaca, A. 1737 [CDS], Aptroot, A. 64377 [CDS], Bungartz, F. 9692 [CDS], Bungartz, F. 4671 [CDS], Bungartz, F. 4641 [CDS], Bungartz, F. 6770 [CDS], Bungartz, F. 6544 [CDS], Aptroot, A. 64923 B [CDS], Benítez, A. 60 [HUTPL]

Physcia decorticata Moberg

source: Moberg (1990), Nöske et al. (2007), Mandl (2007); K. Kalb 19538 [WIS], K. Kalb 19508 [WIS], Bungartz, F. 5577 [CDS], Bungartz, F. 3474 [CDS], Bungartz, F. 9655 [CDS], Bungartz, F. 10043 [CDS], Bungartz, F. 10312 B [CDS]

Physcia dimidiata (Arnold) Nyl.

[*Parmelia albinea var. dimidiata* (Arnold) Jatta, *Parmelia dimidiata* (Arnold) Arnold, *Parmelia pulverulenta var. dimidiata* Arnold, *Physcia aipolia var. dimidiata* (Arnold) Nyl., *Physcia albinea var. dimidiata* (Arnold) Nyl., *Physcia dimidiata f. dimidiata* (Arnold) Nyl., *Physcia dimidiata var. dimidiata* (Arnold) Nyl., *Physcia stellaris f. dimidiata* (Arnold) Boistel, *Physcia stellaris var. dimidiata* (Arnold) Berdau]
source: van den Boom et al. (2022)

Physcia dimidiata var. ornata (Nádv.) Moberg

[*Physcia dimidiata f. ornata* Nádv.]
source: Moberg (1990)

Physcia dubia (Hoffm.) Lettau

[*Lobaria dubia* Hoffm., *Parmelia caesia var. teretiuscula* Ach., *Parmelia dubia* (Hoffm.) Röhl., *Parmelia dubia f. dubia* (Hoffm.) Röhl., *Parmelia dubia var. dubia* (Hoffm.) Röhl., *Parmelia pulchella var. dubia* (Hoffm.) Schaer., *Physcia caesia f. teretiuscula* (Ach.) Harm., *Physcia caesia var. dubia* (Hoffm.) Th. Fr., *Physcia caesia var. teretiuscula* (Ach.) Nyl., *Physcia dubia var. teretiuscula* (Ach.) Clauzade & Cl. Roux, *Physcia teretiuscula* (Ach.) Lynge, *Physcia teretiuscula f. corticola* Kosk.{?}, *Physcia teretiuscula f. pallidula* Nádv., *Physcia teretiuscula f. teretiuscula* (Ach.) Lynge, *Placodium dubium* (Hoffm.) Frege, *Xanthoria caesia f. teretiuscula* (Ach.) Horw.]
problematic, no modern record, source: Zahlbruckner (1907)

Physcia erumpens Moberg

source: Nöske (2005), Nöske & Sipman (2004), Moberg (1990); Aptroot, A. 63233 [CDS], Aptroot, A. 63243 [CDS], Aptroot, A. 63689 [CDS], Aptroot, A. 64210 [CDS], Aptroot, A. 63115 [CDS], Bungartz, F. 3634 [CDS], Aptroot, A. 64106 [CDS], Bungartz, F. 3645 [CDS], Aptroot, A. 64005 [CDS], Bungartz, F. 4984 [CDS], Aptroot, A. 64235 [CDS], Aptroot, A. 65257 [CDS], Aptroot, A. 65280 [CDS], Aptroot, A. 65448 [CDS], Simbaña, W. 532 [CDS], Bungartz, F. 3345 [CDS]

Physcia insularis Zahlbr.

native, questionably endem., according to Weber (1986 p. 478) the type of this species designated by Zahlbruckner (Ann. Mycol. 29:86. 1831) is deposited in Vienna (Floreana, Post Office Bay, Herre s.n.; W); Weber (1986) cites several specimens in COLO that he considers identical [L-40343 COLO 188855 (erroneously as L-30434); L-40198 COLO 189935; L-4038, COLO 188941; and L-40449 COLO 193411]; he emphasizes that he disagrees with Thompson (1963 p. 14) who, based on Zahlbruckner, Krypt. Exs. no. 3170, suggested that the species, contrary to the protologue, is not sorediate, but fertile; Weber points out that exsiccate specimens must not necessarily be considered identical with Zahlbruckner's type, further suggesting that the exsiccata might be a mixture of both *P. insularis* and *P. mexicana*; it is not clear, however, if Weber (1986 p. 478) has actually seen type material, when he annotated one specimen (L-40343, COLO 188855) as "p.p.; exactly matching the type", source: Thomson (1963), Weber (1966, 1986), Elix & McCarthy (1998); 04575851 [NY], A. W. C. T. Herre [F], UC523745 [UC], A.W.C.T. Herre [O], A.W.C.T. Herre [O], 17484 [TNS], A. W. C. T. Herre [LD]

Physcia integrata Nyl. v

[*Physcia dilatata subsp. integrata* Nyl.]
source: Nöske & Sipman (2004), Nöske (2005), Moberg (1990)

Physcia kalbii Moberg

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 7657 [CDS], Bungartz, F. 7706 [CDS], Nugra, F. 599 [CDS], Hillmann, G. GAL-73 [CDS], Bungartz, F. 10232 [CDS], Aptroot, A. 64229 [CDS], Aptroot, A. 63992 [CDS], Bungartz, F. 7784 [CDS], Bungartz, F. 4416 [CDS], Aptroot, A. 64921 [CDS], Yánez-Ayabaca, A. 1804 [CDS]

Physcia lacinulata Müll.Arg. v

source: Moberg (1990); K. Kalb 19520 [WIS]

Physcia leucomelos (L.) Michx.

[*Anaptychia 'leucomelaena'* (L.) Vain., *Anaptychia leucomelaena* (L.) Vain., *Anaptychia leucomelaena f. leucomelaena*, *Anaptychia leucomelos* (L.) Vain., *Anaptychia leucomelos var. leucomelos* (L.) A. Massal., *Borrera leucomelos* (L.) Ach., *Hagenia leucomelos* (L.) Schwend., *Heterodermia leucomelaena* (L.) Poelt, *Heterodermia leucomelaena f. leucomelaena* (L.) Poelt, *Heterodermia leucomelaena subsp. leucomelaena* (L.) Poelt, *Heterodermia leucomelaena var. leucomelaena* (L.) Poelt, *Heterodermia leucomelos* (L.) Poelt, *Heterodermia leucomelos f. leucomelos* (L.) Poelt, *Heterodermia leucomelos subsp. leucomelos* (L.) Poelt, *Heterodermia leucomelos var. leucomelos* (L.) Poelt, *Leucodermia leucomelos* (L.) Kalb, *Lichen leucomelos* L., *Lobaria leucomelos* (L.) Raeusch., *Parmelia leucomelos* (L.) Ach., *Parmelia leucomelos var. leucomelos* (L.) Ach., *Parmelia speciosa var. leucomelos* (L.) Eschw., *Physcia leucomelos f. leucomelos* (L.) Michx., *Physcia leucomelos var. leucomelos* (L.) Michx., *Physcia speciosa var. leucomelos* (L.) Tuck., *Teloschistes leucomelos* (L.) A. Schneid., *Xanthoria leucomelos* (L.) Horw.]

Physcia leucomelos var. angustifolia Nyl. nom. illegit. v

problematic, name not resolved, no modern record, source: Romeguère (1879)

Physcia lopezii Moberg v

source: Moberg (1990), Nöske et al. (2007), Aptroot (2002); K. Kalb 19542 [WIS], K. Kalb 19543 [WIS], K. Kalb 16639 [WIS], K. Kalb 16646 [WIS], K. Kalb 19512 [WIS]

Physcia mexicana B. de Lesd.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 7257 [CDS], Nugra, F. 93 [CDS], Bungartz, F. 4485 [CDS], Aptroot, A. 65017 [CDS], Bungartz, F. 4487 [CDS], Aptroot, A. 63439 [CDS], Bungartz, F. 7189 [CDS], Aptroot, A. 64468 [CDS], Nugra, F. 98 [CDS], Aptroot, A. 65331 [CDS]

Physcia mobergii Bungartz

[*Physcia lobulata* Moberg nom. illegit.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, taxonomic comment the name *Physcia lobulata* Moberg (1990) is illegitimate because *Physcia lobulata* (Flörke) Arnold (1884) precedes it; *Physcia lobulata* (Flörke) Arnold is a synonym of *Seawardiella lobulata*; the replacement name for *Physcia lobulata* Moberg is published as *Physcia mobergii*; Bungartz, F. 7103 [CDS], Aptroot, A. 63791 [CDS], Aptroot, A. 64756 [CDS], Aptroot, A. 63363 [CDS], Bungartz, F. 3952 [CDS], Aptroot, A. 64504 [CDS], Aptroot, A. 63903 [CDS], Aptroot, A. 63923 [CDS], Aptroot, A. 63835 [CDS], Bungartz, F. 4998 [CDS], Bungartz, F. 3719 [CDS], Bungartz, F. 3722 [CDS], Aptroot, A. 64231 [CDS], Bungartz, F. 3685 [CDS], Aptroot, A. 64341 [CDS], Aptroot, A. 64929 [CDS], Bungartz, F. 5568 [CDS], Bungartz, F. 5732 [CDS], Bungartz, F. 5516 [CDS], Bungartz, F. 5522 [CDS], Bungartz, F. 4670 [CDS], Nugra, F. 329 [CDS], Nugra, F. 343 A [CDS], Nugra, F. 333 [CDS], Nugra, F. 270 [CDS], Nugra, F. 386 [CDS], Nugra, F. 154 [CDS], Clerc, P. 08-121 [CDS], Bungartz, F. 8241 [CDS], Hillmann, G. GAL-52 [CDS], Bungartz, F. 9338 [CDS], Bungartz, F. 9375 [CDS], Bungartz, F. 9382 [CDS], Bungartz, F. 10077 [CDS], Yánez-Ayabaca, A. 1755 [CDS], Yánez-Ayabaca, A. 1951 [CDS], Bungartz, F. 10042 [CDS], Bungartz, F. 10118 [CDS], Bungartz, F. 9680 [CDS], Bungartz, F. 9322 [CDS], Bungartz, F. 9276 [CDS], Bungartz, F. 3692 [CDS], Nugra, F. 504 [CDS], Spielmann, A.A. 10677 [CDS]

Physcia pachyphylla Müll.Arg. v

source: Moberg (1990)

Physcia poncinsii Hue v

source: Moberg (1990), Chuquimarca et al. (2019), van den Boom et al. (2022); Aptroot, A. 64208 [CDS], Aptroot, A. 63995 [CDS], Aptroot, A. 63742 [CDS], Aptroot, A. 64821 [CDS], Aptroot, A. 65021 [CDS], Aptroot, A. 63009 [CDS], Aptroot, A. 63293 [CDS]

Physcia rolfii Moberg v

source: Moberg (1990); K. Kalb 19517 [WIS], Bungartz, F. 3878 [CDS], Aptroot, A. 64728 [CDS]

Physcia sinuosa Moberg

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 65625 [CDS], Aptroot, A. 65391 [CDS]

Physcia sorediosa (Vain.) Lynge v

[*Physcia integrata f. sorediosa* (Vain.) Müll. Arg., *Physcia integrata var. sorediosa* Vain.]
source: Dodge (1936), Weber (1966, 1986), Moberg (1990), Elix & McCarthy (1998), Ochoa-Jiménez et al. (2015), Nöske et al. (2007), Chuquimarca et al. (2019), Benítez et al. (2019), van den Boom et al. (2022); K. Kalb 19511 [WIS], K. Kalb 19518 [WIS], Bungartz, F. 7895 [CDS], Bungartz, F. 7996 [CDS], Nugra, F. 560 [CDS], Aptroot, A. 63193 [CDS], Aptroot, A. 63922 [CDS], Aptroot, A. 65106 [CDS], Aptroot, A. 64006 [CDS], Aptroot, A. 64048 [CDS], Bungartz, F. 4282 [CDS], Aptroot, A. 65398 [CDS], Bungartz, F. 4209 [CDS], Aptroot, A. 65290 [CDS], Bungartz, F. 3686 [CDS], Aptroot, A. 64321 [CDS], Aptroot, A. 63994 [CDS], Bungartz, F. 5598 [CDS], Bungartz, F. 5787 [CDS], Bungartz, F. 5811 [CDS], Bungartz, F. 5833 [CDS], Bungartz, F. 5817 [CDS], Bungartz, F. 5642 [CDS], Bungartz, F. 5840 [CDS], Nugra, F. 289 [CDS], Bungartz, F. 6812 [CDS], Ertz, D. 11586 A [CDS], Bungartz, F. 7522 [CDS], Hillmann, G. GAL-54 [CDS], Hillmann, G. GAL-74 [CDS], Hillmann, G. GAL-76 [CDS], Hillmann, G. GAL-49 B [CDS], Bungartz, F. 9600 [CDS], Bungartz, F. 10173 [CDS], Bungartz, F. 10233 [CDS], Bungartz, F. 10235 [CDS], Bungartz, F. 4962 [CDS], Bungartz, F. 3469 [CDS], Aptroot, A. 64230 [CDS], Bungartz, F. 3698 [CDS], Spielmann, A.A. 10497 [CDS], Spielmann, A.A. 10552 [CDS], Spielmann, A.A. 10556 [CDS], Spielmann, A.A. 10645 [CDS], Spielmann, A.A. 10691 [CDS], Spielmann, A.A. 10745 [CDS], Spielmann, A.A. 10756 [CDS], Nugra, F. 1001 [CDS], Nugra, F. 1009 [CDS], Bungartz, F. 10298 [CDS], Bungartz, F. 10300 [CDS], Bungartz, F. 10304 [CDS], Bungartz, F. 10306 [CDS], Bungartz, F. 10311 [CDS], Bungartz, F. 10312 A [CDS], Bungartz, F. 10471 [CDS], Bungartz, F. 10473 [CDS], Nugra, F. 1109 [CDS], Nugra, F. 1136 [CDS], Bungartz, F. 10529 [CDS], Bungartz, F. 10539 [CDS], Spielmann, A.A. 10742B [CDS], Aptroot, A. 63993 [CDS], Nugra, F. 205 [CDS], Bungartz, F. 4958 [CDS], Bungartz, F. 4973 [CDS], Aptroot, A. 63727 [CDS], Clerc, P. 08-54 [CDS], Aptroot, A. 63793 [CDS], Aptroot, A. 64923 A [CDS], Aptroot, A. 65658 [CDS], Bungartz, F. 9460 B [CDS], Bungartz, F. 7065 [CDS], Rivas Plata, E. 4059 A [CDS], Spielmann, A.A. 10389 [CDS], Yánez-Ayabaca, A. 1928 [CDS], Yánez-Ayabaca, A. 1805 [CDS], Ertz, D. 11591 A [CDS], Benítez, A. 62 [HUTPL], Etayo, J. 25690 [hb. Etayo]

Physcia stellaris (L.) Nyl. v

[*Anaptychia stellaris* (L.) A. Massal., *Borrera stellaris* (L.) Mudd, *Dimelaena stellaris* (L.) Norman, *Geissodea stellaris* (L.) J. St.-Hil., *Hagenia stellaris* (L.) De Not., *Imbricaria stellaris* (L.) DC., *Lichen stellaris* L., *Lobaria stellaris* (L.) Hoffm., *Parmelia stellaris* (L.) Ach., *Parmelia stellaris var. pseudoincisa* Th. Fr., *Parmelia stellaris var. radiata* Ach., *Parmelia stellaris var. rosulata* Ach., *Parmelia stellaris var. stellaris* (L.) Ach., *Physcia retrogressa* Stirt., *Physcia stellaris f. rosulata* (Ach.) Nyl., *Squamaria stellaris* (L.) Frege, *Xanthoria stellaris* (L.) Horw., *Xanthoria stellaris var. leptalea* (Ach.) Horw., *Xanthoria stellaris var. stellaris* (L.) Horw., *Xanthoria stellaris var. subobscura* (Nyl.) Horw.]
parasitized by *Heterocephalacria physciacearum*, source: Déleg et al. (2021)

Physcia tribacia (Ach.) Nyl.

[*Borrera caesia var. tribacia* (Ach.) Mudd, *Dimelaena tribacia* (Ach.) Trevis., *Lecanora tribacia* Ach., *Parmelia caesia var. tribacia* (Ach.) Torss., *Parmelia erosa* Borrer nom. illegit., *Parmelia stellaris var. tribacia* (Ach.) Torss., *Parmelia tribacia* (Ach.) Sommerf., *Parmelia tribacia var. tribacia* (Ach.) Sommerf., *Physcia albinea var. tribacia* (Ach.) Malbr., *Physcia caesia f. tribacia* (Ach.) H. Olivier, *Physcia caesia var. tribacia* (Ach.) Tuck., *Physcia erosa* Zwackh, *Physcia stellaris f. tribacia* (Ach.) P. Syd., *Physcia stellaris subsp. tribacia* (Ach.) Vain., *Physcia stellaris var. tribacia* (Ach.) Tuck., *Physcia tribacia var. tenuis* Müll.Arg., *Psoroma tribacium* (Ach.) Gray, *Squamaria tribacia* (Ach.) Hook., *Xanthoria erosa* (Borrer) Horw., *Xanthoria tribacia* (Ach.) Horw.]
parasitized by *Pronectria echinulata*, source: Moberg (1990), Etayo (2017; as *Physcia* cf. *tribacia*), van den Boom et al. (2022)

Physcia undulata Moberg

source: van den Boom et al. (2022), Moberg (1990); K. Kalb 19513 [WIS], K. Kalb 19528 [WIS], K. Kalb 19541 [WIS], Aptroot, A. 64050 [CDS]

Physcidia

Physcidia squamulosa Tuck.

Klara Scharnagl 2273a [MSC]

Physma

Physma byrsaeum (Afzel. ex Ach.) Müll.Arg.

[*Collema amphiurum* Nyl., *Collema byrsaeum* (Afzel. ex Ach.) Ach., *Collema hypolasium* Stirt., *Dichodium amphiurum* (Nyl.) Nyl., *Dichodium byrsaeum* (Afzel. ex Ach.) Nyl., *Dichodium byrsinum* (Afzel. ex Ach.) Nyl., *Gabura byrsaea* (Afzel. ex Ach.) Kuntze, *Gabura byrsina* (Afzel. ex Ach.) Kuntze, *Lempholemma hypolasium* (Stirt.) Zahlbr., *Lichen furvus * byrsaeum* (Afzel. ex Ach.) Lam., *Parmelia byrsaea* Afzel. ex Ach., *Physma amphiurum* (Nyl.) Zahlbr., *Physma byrsaeum var. amphiurum* (Nyl.) Müll. Arg.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, F. Bungartz: only one single, historic specimen (Sipman L-70, COLO L-63545, from Cerro Azul, Isabela, H. Sipman L-70, 22-25 June 1976); recently found again on a collection trip to Cerro Azul, source: Elix & McCarthy (1998), Weber (1986); Sipman, H.J.M. L-70 [CDS], Spielmann, A.A. 10379 [CDS], Spielmann, A.A. 10585 [CDS], Nugra, F. 1005 [CDS], Nugra, F. 1030 [CDS], Bungartz, F. 10296 [CDS], Bungartz, F. 10301 [CDS]

Piccolia

Piccolia conspersa (Fée) Vain.

[*Biatorella conspersa* (Fée) Vain., *Biatorella conspersa f. conspersa* (Fée) Vain., *Heterothecium conspersum* (Fée) Flot., *Lecidea conspersa* Fée]
source: Nöske et al. (2007), van den Boom et al. (2022); K. Kalb 18368 [WIS], K. Kalb 18863 [WIS], Aptroot, A. 64300 [CDS], Bungartz, F. 5807 [CDS], Bungartz, F. 5824 [CDS], Aptroot, A. 64293 [CDS]

Piccolia wrightii (Tuck.) Hafellner

[*Biatorella wrightii* (Tuck.) Zahlbr., *Heterothecium wrightii* (Tuck.) Tuck., *Lecidea wrightii* Tuck.]
source: van den Boom et al. (2022)

Pilophorus

Pilophorus cereolus (Ach.) Th. Fr.

[*Lichen cereolus* Ach., *Stereocaulon cereolinum var. cereolus* (Ach.) Th. Fr., *Stereocaulon cereolus* (Ach.) anon.]
Etayo, J. 23445 [hb. Etayo]

Placidiopsis

Placidiopsis minor R.C. Harris

Placidiopsis minor var. longispora Etayo & Breuss

* = lichenicolous fungi (parasites on living lichens); on cf. *Diploschistes*, Holotype QCA, Etayo & Breuss, source: Etayo (2017); Etayo, J. 25527 [hb. Etayo], Etayo, J. & Palice, Z. 25527 [QCAM]

Placidium

Placidium corticola (Räsänen) Breuss

[*Catapyrenium corticola* (Räsänen) Breuss, *Dermatocarpon corticola* Räsänen]
source: Breuss (1993), Cevallos (2012); Arvidsson... 2242 [GB], Arvidsson... 4674 [GB]

Placidium lachneoides (Breuss) Breuss

[*Catapyrenium lachneoides* Breuss]
source: Breuss (1993)

Placopsis

Placopsis contortuplicata I. M. Lamb.

Etayo, J. 17348 [hb. Etayo]

Placopsis gelida (L.) Lindsay

[*Lecanora gelida* (L.) Ach., *Lecanora gelida f. gelida* (L.) Ach., *Lecanora gelida f. leprosula* Zahlbr., *Lecanora gelida f. neglecta* Degel., *Lecanora gelida f. terricola* Cromb., *Lecanora gelida var. carnea* (Räsänen) Zahlbr., *Lecanora gelida var. gelida* (L.) Ach., *Lecanora gelida var. vitellina* Hook. f. & Taylor, *Lichen gelidus* L., *Parmelia gelida* (L.) Ach., *Patellaria gelida* (L.) Trevis., *Placodium gelidum* (L.) Gray, *Psoroma gelidum* (L.) Rabenh., *Squamaria gelida* (L.) Hook., *Squamaria gelida f. gelida* (L.) Hook.]
parasitized by *Llimoniella placopsidis* & *Taeniolella diederichiana* , source: Etayo (2017), van den Boom et al. (2022); J. Etayo 19907 [hb. Etayo], J. Etayo 19922 [hb. Etayo], J. Etayo 19925 [hb. Etayo]

Placopsis lambii Hertel & V. Wirth

[*Squamaria gelida f. dispersa* Cromb.]
source: Galloway & Arvidsson (2007), Cevallos (2012)

Placopsis parellina (Nyl.) I. M. Lamb.

[*Lecanora parellina* Nyl., *Placopsis microphylla* (I.M. Lamb) D.J. Galloway, *Placopsis parellina f. microphylla* I.M. Lamb]
parasitized by *Capronia andina* & *Roselliniopsis palicei*, source: Galloway & Arvidsson (2007), Etayo (2017); W. R. Buck 39291 [NY], L. B. Holm-Nielsen 17252 [NY], Etayo, J. 26264 [hb. Etayo], J. Etayo 26304 [hb. Etayo], Etayo, J. 26997 [hb. Etayo]

Placopsis rhodocarpa (Nyl.) Nyl.

[*Lecanora rhodocarpa* (Nyl.) Nyl., *Placodium rhodocarpum* (Nyl.) Müll.Arg., *Placopsis parellina var. rhodocarpa* (Nyl.) I.M. Lamb, *Squamaria rhodocarpa* Nyl.]
parasitized by *Taeniolella diederichiana* & *Stigmidium placopsidis*, source: Galloway & Arvidsson (2007), Etayo (2017); R. C. Harris 16940 [NY], W. R. Buck 39190 [NY], R. C. Harris 17050 [NY], R. C. Harris 17050 [NY], Richard C Harris 17050 [WIS], Richard C Harris 57000 [KANU], R.C. Harris 17050 [BG], 125618 1983-01-01 [TNS], Richard C. Harris 1983-12-14 [LD], Harris, R.C. 17050 [CANB], Etayo, J. 25419 [hb. Etayo], Etayo, J. 26266 [hb. Etayo], J. Etayo 26304 [hb. Etayo], J. Etayo 26305 [hb. Etayo]

Placopsis roivainenii I.M. Lamb

source: Galloway & Arvidsson (2007), Cevallos (2012)

Placopsis subcribellans (I.M. Lamb) D.J. Galloway

[*Placopsis parellina f. subcribellans* I.M. Lamb]
source: Cevallos (2012), Galloway & Arvidsson (2007)

Placynthiella

Placynthiella icmalea (Ach.) Coppins & P. James

[*Biatora fuliginea* (Ach.) Fr., *Biatora fuliginea var. fuliginea* (Ach.) Fr., *Biatora uliginosa var. fuliginea* (Ach.) Fr., *Epinyctis fuliginea* (Ach.) Wallr., *Lecidea fuliginea* Ach., *Lecidea fuliginea f. fuliginea* Ach., *Lecidea fuliginea f. saxicola* Harm., *Lecidea fuliginea var. fuliginea* Ach., *Lecidea fuliginea var. fuscovirens* Vain., *Lecidea icmalea* Ach., *Lecidea uliginosa var. fuliginea* (Ach.) Link, *Pannularia perfurfurea* Nyl., *Parmeliella corallinoides f. perfurfurea* (Nyl.) Gyeln., *Parmeliella perfurfurea* (Nyl.) Zahlbr., *Patellaria fuliginea* (Ach.) Spreng., *Placynthiella perfurfurea* (Nyl.) Gyeln., *Saccomorpha icmalea* (Ach.) Clauzade & Cl. Roux]
Etayo, J. 26980 [hb. Etayo]

Platythecium

Platythecium grammitis (Fée) Staiger

[*Diorygma grammitis* Eschw., *Fissurina grammitis* Mont., *Graphis grammatis* Fée, *Graphis grammitis* Fée, *Graphis grammitis f. grammitis* Fée, *Opegrapha grammitis* (Mont.) Bél., *Ustalia grammitis* (Mont.) Stizenb.]
source: Nöske & Sipman (2004)

Platythecium hypoleptum (Nyl.) M. Nakan. & Kashiw.

[*Graphis hypolepta* Nyl., *Thalloloma hypoleptum* (Nyl.) Staiger]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 10161 [CDS]

Platythecium leiogramma (Nyl.) Staiger

[*Graphis leiogramma* Nyl., *Phaeographis leiogramma* (Nyl.) Zahlbr.]
source: Nöske et al. (2007)

Platythecium serpentinellum (Nyl.) Staiger

[*Graphis serpentinella* Nyl., *Phaeographis serpentinella* (Nyl.) Zahlbr.]
source: van den Boom et al. (2022)

Plectocarpon

Plectocarpon aequatoriale Etayo

* = lichenicolous fungi (parasites on living lichens); on *Sticta* sp., Holotype PRA, Kulíšek et al. s.n., source: Etayo (2017); J. Etayo 26404 [hb. Etayo]

Plectocarpon galapagoense Ertz & Bungartz

* = lichenicolous fungi (parasites on living lichens); on *Sarcographa tricosa*, native, questionably endem., Holotype: Bungartz 5759 [CDS 33415], source: Hyde et al. (2019); Bungartz, F. 5759 [CDS]

Podostictina

Podostictina encoensis (R. Sant.) D.J. Galloway & de Lange

[*Podostictina encoensis* (R. Sant.) D.J. Galloway & de Lange nom. inval., *Pseudocyphellaria encoensis* R. Sant.]
source: Galloway & Arvidsson (1990); Bungartz, F. 8502 [CDS], Bungartz, F. 9567 [CDS], Bungartz, F. 6683 [CDS], Bungartz, F. 3480 [CDS]

Polyblastidium

Polyblastidium albicans (Pers.) S.Y. Kondr., Lőkös & Hur

[*Anaptychia domingensis* (Ach.) A. Massal., *Anaptychia ravenelii* (Tuck.) Zahlbr., *Heterodermia albicans* (Pers.) Swinscow & Krog, *Parmelia albicans* Pers., *Physcia albicans* (Pers.) J.W. Thomson, *Physcia albicans f. albicans* (Pers.) J.W. Thomson]
source: Elix & McCarthy (1998), Weber (1986), Moberg (2011), Chuquimarca et al. (2019); Weber, W. A [MSC], Bungartz, F. 4947 [CDS], Aptroot, A. 64194 [CDS], Bungartz, F. 4115 [CDS], Bungartz, F. 7738 [CDS], Bungartz, F. 7709 [CDS], Spielmann, A.A. 10661 [CDS], Bungartz, F. 10408 [CDS], Spielmann, A.A. 10521 [CDS], Bungartz, F. 7875 [CDS], Bungartz, F. 4934 [CDS], Aptroot, A. 63747 [CDS], Bungartz, F. 9670 [CDS], Ertz, D. 11759 [CDS], Bungartz, F. 7705 [CDS], Bungartz, F. 4287 [CDS], Bungartz, F. 7484 [CDS], Nugra, F. 1080 [CDS], Bungartz, F. 10399 [CDS], Bungartz, F. 10410 [CDS], Bungartz, F. 7518 [CDS], Spielmann, A.A. 10587 [CDS], Spielmann, A.A. 10602 [CDS], Spielmann, A.A. 10588 [CDS], Bungartz, F. 9324 [CDS], Bungartz, F. 7670 [CDS], Bungartz, F. 10407 [CDS], Bungartz, F. 7351 [CDS], Nugra, F. 49 [CDS], Bungartz, F. 8565 [CDS], Bungartz, F. 7866 [CDS], Arvidsson... 3040 [GB], Arvidsson... 3041 [GB], Ståhl... 415 [GB]

Polyblastidium casarettianum (A. Massal.) Kalb

[*Anaptychia casarettiana* A. Massal., *Heterodermia casarettiana* (A. Massal.) Trevisan]
parasitized by *Didymocyrtis epiphyscia*, source: Nöske et al. (2007); Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Etayo (2017); Bungartz, F. 4151 [CDS], Bungartz, F. 3470 A [CDS], Bungartz, F. 8257 [CDS], Bungartz, F. 4045 [CDS], Spielmann, A.A. 10597 [CDS], Clerc, P. 08-217 [CDS], Bungartz, F. 7541 [CDS], Ertz, D. 11910 [CDS], Herrera-Campos, M.A. 10571 [CDS], Bungartz, F. 8511 [CDS], Bungartz, F. 7627 [CDS], Nugra, F. 645 [CDS], Bungartz, F. 6840 [CDS], Bungartz, F. 7702 [CDS], Yánez-Ayabaca, A. 1957 [CDS], Spielmann, A.A. 10576 [CDS], Bungartz, F. 4113 [CDS], Aptroot, A. 64658 [CDS], Aptroot, A. 64693 [CDS], Nugra, F. 1087 [CDS], Bungartz, F. 5603 [CDS], Bungartz, F. 7707 [CDS], Bungartz, F. 6856 [CDS], Etayo, J. 25692 [hb. Etayo], Etayo, J. 26244 [hb. Etayo]

Polyblastidium corallophorum (Taylor) Kalb

[*Anaptychia corallophora* (Taylor) Lynge, *Anaptychia hypoleuca subsp. corallophora* (Taylor) Vain., *Heterodermia corallophora* (Taylor) Skorepa, *Parmelia corallophora* Taylor, *Physcia corallophora* (Taylor) Nyl., *Physcia speciosa f. isidiosa* Müll. Arg., *Pseudophyscia hypoleuca var. corallophora* (Taylor) Hue]
source: Weber (1986), Elix & McCarthy (1998), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Benítez et al. (2012, 2015), Chuquimarca et al. (2019), Moberg (2011), van den Boom et al. (2022); K. Kalb 17045 [WIS], Gunnar Harling 1965 [O], Bungartz, F. 3974 [CDS], Bungartz, F. 8788 [CDS], 121855 [TNS], Lindström... 2021 [GB], Lindström... 2047 [GB], Lindström... 2048 [GB], Lindström... 2061 [GB], Lindström... 2062 [GB], Lindström... 2089 [GB], Lindström... 2092 [GB], Lindström... 2101 [GB], Lindström... 2112 [GB], Lindström... 2114 [GB], Arvidsson... 6751 [GB], Arvidsson... 6681 [GB], Arvidsson... 6658 [GB], Lindström... 2347 [GB], Arvidsson... 3814 [GB], Arvidsson... 3719 [GB], Lindström... 2399 [GB], Lindström... 2398 [GB], Arvidsson... 3478 [GB], Arvidsson... 3482 [GB], Arvidsson... 1985-02-15 [GB], Arvidsson... 687 [GB], Arvidsson... 7266 [GB], Arvidsson... 7267 [GB], Arvidsson... 1625 [GB], Arvidsson... 1939 [GB], Arvidsson... 1102 [GB], Arvidsson... 1537 [GB], Arvidsson... 2303 [GB], Arvidsson... 2305 [GB], Arvidsson... 2085 [GB], Arvidsson... 2088 [GB], Arvidsson... 3070 [GB], Arvidsson... 3072 [GB], Arvidsson... 3092 [GB], Arvidsson... 4038 [GB], Arvidsson... 2090 [GB], Ståhl... 1987-02-10 [GB], Andersson, Lennart 1498 [GB], Andersson, Lennart 354 [GB], Gunnar Harling 1947-06-27 [LD], Gunnar Harling 1956 [S], Gunnar Harling 2034 [S]

Polyblastidium hypoleucum (Ach.) Kalb

[*Anaptychia hypoleuca* (Muhl.) Vain., *Anaptychia hypoleuca f. contractosorediosa* Sambo, *Anaptychia hypoleuca f. granulosa* Kurok., *Anaptychia hypoleuca f. hypoleuca* (Muhl.) A. Massal., *Anaptychia hypoleuca f. minutula* Räsänen, *Anaptychia hypoleuca f. rubescens* Räsänen, *Anaptychia hypoleuca var. fulvescens* Vain., *Anaptychia hypoleuca var. hypoleuca* (Muhl.) A. Massal., *Anaptychia hypoleuca var. rottboellii* Vain., *Heterodermia hypoleuca* (Ach.) Trevis., *Heterodermia hypoleuca f. hypoleuca* (Ach.) Trevis., *Heterodermia hypoleuca var. divergens* Trass, *Heterodermia hypoleuca var. hypoleuca* (Ach.) Trevis., *Parmelia hypoleuca* Mühl., *Parmelia hypoleuca f. coralloidea* Müll.Arg., *Parmelia hypoleuca f. hypoleuca* Müll.Arg., *Physcia hypoleuca* (Mühl.) Tuck., *Physcia hypoleuca var. hypoleuca* Tuck., *Physcia hypoleuca var. tremulans* Müll.Arg., *Physcia speciosa var. hypoleuca* (Mühl.) Nyl., *Pseudophyscia hypoleuca* (Mühl.) Hue]
source: Moberg (2011), Cevallos (2012), Benítez et al. (2012, 2015), Chuquimarca et al. (2019); Benítez, A. 219 [HUTPL], Andersson... 550 [GB]

Polyblastidium japonicum (M. Satô) Kalb

[*Anaptychia dendritica var. japonica* M. Sat, *Anaptychia dendritica var. propagulifera* Vain., *Anaptychia hypoleuca var. sorediifera* (Müll. Arg.) Vain., *Anaptychia japonica* (M. Satô) Kurok., *Anaptychia japonica var. japonica* (M. Satô) Kurok., *Anaptychia japonica var. reagens* Kurok., *Anaptychia propagulifera* (Vain.) Ozenda & Clauzade, *Anaptychia speciosa f. sorediifera* (Müll.Arg.) Zahlbr., *Anaptychia subheterochroa var. propagulifera* (Vain.) Kurok., *Heterodermia dendritica var. propagulifera* (Vain.) Poelt, *Heterodermia japonica* (M. Satô)

Swinscow & Krog, *Heterodermia japonica var. japonica* (M. Satô) Swinscow & Krog, *Physcia speciosa f. sorediifera* Müll.Arg., *Pseudophyscia speciosa var. hypoleuca*]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Benítez et al. (2012, 2015), Benítez (2016), Chuquimarca et al. (2019), Fernández-Prado et al. (2022); Nugra, F. 258 [CDS], Nugra, F. 245 [CDS], Aptroot, A. 63143 [CDS], Aptroot, A. 63792 [CDS], Aptroot, A. 64489 [CDS], Aptroot, A. 64511 [CDS], Bungartz, F. 3949 [CDS], Aptroot, A. 64857 [CDS], Aptroot, A. 63911 [CDS], Ziemmeck, F. 535 [CDS], Ziemmeck, F. 545 [CDS], Ziemmeck, F. 536 [CDS], Aptroot, A. 65054 [CDS], Aptroot, A. 64659 [CDS], Bungartz, F. 4995 [CDS], Bungartz, F. 5001 [CDS], Bungartz, F. 4272 [CDS], Bungartz, F. 4273 [CDS], Bungartz, F. 3316 [CDS], Bungartz, F. 4111 [CDS], Aptroot, A. 65220 [CDS], Aptroot, A. 65203 [CDS], Bungartz, F. 4145 [CDS], Aptroot, A. 65639 [CDS], Nugra, F. 32 [CDS], Aptroot, A. 65213 [CDS], Nugra, F. 328 [CDS], Nugra, F. 288 [CDS], Nugra, F. 346 [CDS], Nugra, F. 156 [CDS], Nugra, F. 354 [CDS], Nugra, F. 359 [CDS], Nugra, F. 349 [CDS], Nugra, F. 350 [CDS], Bungartz, F. 3280 [CDS], Nugra, F. 264 [CDS], Nugra, F. 424 [CDS], Nugra, F. 423 [CDS], Bungartz, F. 6823 [CDS], Bungartz, F. 6824 [CDS], Bungartz, F. 6827 [CDS], Bungartz, F. 6855 [CDS], Bungartz, F. 6865 [CDS], Bungartz, F. 6876 [CDS], Bungartz, F. 6887 [CDS], Ertz, D. 11729 [CDS], Bungartz, F. 7317 [CDS], Bungartz, F. 7328 [CDS], Bungartz, F. 7669 [CDS], Ertz, D. 11714 A [CDS], Bungartz, F. 7995 [CDS], Truong, C. 1151 [CDS], Clerc, P. 08-111 [CDS], Herrera-Campos, M.A. 10557 [CDS], Herrera-Campos, M.A. 10561 [CDS], Herrera-Campos, M.A. 10569 [CDS], Herrera-Campos, M.A. 10642 [CDS], Herrera-Campos, M.A. 10650 [CDS], Rivas Plata, E. 4048 [CDS], Spielmann, A.A. 8230 [CDS], Nugra, F. 148 [CDS], Nugra, F. 238 [CDS], Bungartz, F. 4156 [CDS], Nugra, F. 1003 [CDS], Nugra, F. 1054 [CDS], Nugra, F. 919 [CDS], Aptroot, A. 65137 [CDS], Benítez, A. 221 [HUTPL], Arvidsson... 46 [GB], Arvidsson... 164 [GB], Arvidsson... 47 [GB], Arvidsson... 48 [GB], Arvidsson... 49 [GB], Arvidsson... 338 [GB], Arvidsson... 409 [GB], Arvidsson... 4035 [GB], Arvidsson... 4037 [GB], Arvidsson... 4036 [GB], Arvidsson... 4046 [GB], Arvidsson... 6680 [GB], Arvidsson... 6617 [GB], Arvidsson... 6653 [GB], Lindström... 2383 [GB], Arvidsson... 3816 [GB], Arvidsson... 3818 [GB], Arvidsson... 2306 [GB], Arvidsson... 2304 [GB], Arvidsson... 2083 [GB], Arvidsson... 2086 [GB], Arvidsson... 2190 [GB], Arvidsson... 4622 [GB], Andersson, Lennart 995 [GB], Andersson, Lennart 1473 [GB], Arvidsson... 7153 [GB], Arvidsson... 7135 [GB], Arvidsson... 7058 [GB], Arvidsson... 7085 [GB], Arvidsson... 1572 [GB], Andersson... 473 [GB], Arvidsson... 4326 [GB], Arvidsson... 4378 [GB], Arvidsson... 4508 [GB], Arvidsson... 4149 [GB], Arvidsson... 4266 [GB], Arvidsson... 1043 [GB], Arvidsson... 801 [GB], Arvidsson... 768 [GB], Arvidsson... 3093 [GB], Arvidsson... 2954 [GB], Lindström... 2272 [GB], Lindström... 2254 [GB], Lindström... 2248 [GB], Arvidsson... 5865 [GB], Arvidsson... 5477 [GB], Arvidsson... 5600 [GB], Arvidsson... 6423 [GB], Arvidsson... 689 [GB], Arvidsson... 2770 [GB], Arvidsson... 2799 [GB], Arvidsson... 2186 [GB], Arvidsson... 2189 [GB], Arvidsson... 2132 [GB], Arvidsson... 2133 [GB], Arvidsson... 2122 [GB], Arvidsson... 1858 [GB], Arvidsson... 1856 [GB], Arvidsson... 1805 [GB], Arvidsson... 3483 [GB], Arvidsson... 3237 [GB], Arvidsson... 3137 [GB], Arvidsson... 6329 [GB], Arvidsson... 6354 [GB], Etayo, J. 20030 [hb. Etayo]

Polyblastidium magellanicum (Zahlbr.) Kalb

[*Anaptychia magellanica* Zahlbr., *Anaptychia magellanica f. magellanica* Zahlbr., *Anaptychia magellanica var. magellanica* Zahlbr., *Heterodermia magellanica* (Zahlbr.) Swinscow & Krog]
source: Nöske et al. (2007), Moberg (2011); Arvidsson... 2943 [GB], Arvidsson... 3198 [GB], Arvidsson... 6003 [GB], Lindström... 2046 [GB], Arvidsson... 1277 [GB], Arvidsson... 1281 [GB], Arvidsson... 1280 [GB], Arvidsson... 2084 [GB], Andersson... 512 [GB], Arvidsson... 1971 [GB], Arvidsson... 51 [GB], Arvidsson... 50 [GB], Arvidsson... 163 [GB], Arvidsson... 145 [GB], Arvidsson... 3976 [GB], Arvidsson... 690 [GB], Arvidsson... 4130 [GB], Arvidsson... 693 [GB], Arvidsson... 700 [GB], Arvidsson... 4059 [GB], Arvidsson... 6424 [GB]

Polyblastidium microphyllum (Kurok.) Kalb

[*Anaptychia hypoleuca var. microphylla* Kurok., *Anaptychia microphylla* (Kurok.) Kurok., *Anaptychia microphylla f. granulosa* (Kurok.) Kurok., *Anaptychia microphylla f. microphylla* (Kurok.) Kurok., *Heterodermia microphylla* (Kurok.) Skorepa, *Heterodermia microphylla f. microphylla* (Kurok.) Skorepa]
source: Benítez et al. (2012, 2015); Benítez, A. 223 [HUTPL]

Polycauliona

Polycauliona candelaria (L.) Frödén, Arup, & Søchting

[*Borrera candelaria* (Weber ex F.H. Wigg.) Kickx, *Callopisma candelarium* (L.) Trevis., *Courtoisia candelaris* (L.) L. Marchand, *Diblastia candelaria* (L.) Trevis., *Imbricaria candelaria* (Weber ex F.H. Wigg.) Chevall., *Lecanora candelaria* (L.) Ach., *Lecanora candelaria var. candelaria* (L.) Ach., *Lepropinacia candelaria* (Weber ex F.H. Wigg.) A. St.-Hil., *Lichen candelarius* L., *Lobaria candelaria* (L.) Hoffm., *Massjukiella candelaria* (L.) S.Y. Kondr., Fedorenko, S. Stenroos, Kärnefelt, Elix, Hur & A. Thell, *Parmelia candelaria* (Weber ex F.H. Wigg.) Ach., *Parmelia candelaria var. candelaria* (Weber ex F.H. Wigg.) Ach., *Parmelia candelaria var. lychnea* Ach., *Parmelia parietina f. candelaris* (L.) Körb., *Parmelia parietina var. lychnea* (Ach.) Fr., *Parmelia parietina var. pygmaea* Bory, *Parmocarpus pygmaeus* (Fr.) Trevis., *Patellaria candelaris* (L.) DC., *Physcia candelaria* (Weber ex F.H. Wigg.) Anzi, *Physcia candelaria var. candelaria* (Weber ex F.H. Wigg.) Anzi, *Physcia controversa var. lychnea* (Ach.) Rabenh., *Physcia lychnea* (Ach.) Nyl., *Physcia lychnea f. lychnea* (Ach.) Nyl., *Physcia lychnea var. lychnea* (Ach.) Nyl., *Physcia parietina subsp. lychnea* (Ach.) Nyl., *Physcia parietina var. lychnea* (Ach.) A. Massal., *Physcia polycarpa var. lychnea* (Ach.) Vain., *Placodium candelarium* Weber ex F.H. Wigg., *Placodium candelarium f. candelarium* (L.) Weber ex F.H. Wigg., *Placodium candelarium var. candelarium* (L.) Weber ex F.H. Wigg., *Psora candelaria* (L.) Baumg., *Psoroma candelarium* (L.) Gray, *Pyrenodesmia candelaria* (Weber ex F.H. Wigg.) Trevis., *Squamaria candelaria* (L.) Howitt, *Squamaria candelaria var. candelaria* (L.) Howitt, *Teloschistes candelarius* (L.) Fink, *Teloschistes candelarius var. candelarius* (L.) Fink, *Teloschistes candelarius var. pygmaeus* (Bory) Fink, *Teloschistes controversus var. lychneus* (Ach.) Müll.Arg., *Teloschistes lychneus* (Ach.) Tuck., *Teloschistes parietinus var. lychneus* (Ach.) F. Wilson, *Xanthoria candelaria* (L.) Th. Fr., *Xanthoria candelaria f. candelaria* (L.) Th. Fr., *Xanthoria candelaria var. candelaria* (L.) Th. Fr., *Xanthoria controversa var. lychnea* (Ach.) Rabenh., *Xanthoria lychnea* (Ach.) Th. Fr., *Xanthoria lychnea f. lychnea* (Ach.) Th. Fr., *Xanthoria lychnea var. lychnea* (Ach.) Th. Fr., *Xanthoria lychnea var. pygmaea* (Borrer) Th. Fr., *Xanthoria nowakii* S.Y. Kondr. & Bielczyk]
source: Davey (1999); Annika & Lars Arvidsson 1983-06-12 [LD]

Polycauliona phlogina (Ach.) Arup, Frödén & Søchting

[*Blastenia phlogina* (Ach.) B. de Lesd., *Callopisma phloginum* (Ach.) Arnold, *Caloplaca citrina f. phlogina* (Ach.) D. Hawksw., *Caloplaca phlogina* (Ach.) Flagey, *Caloplaca phlogina f. phlogina* (Ach.) Flagey, *Lecanora phlogina* (Ach.) Nyl., *Lecidea phlogina* (Ach.) Hue, *Parmelia citrina var. phlogina* Ach., *Placodium phloginum* (Ach.) A.L. Sm., *Scythioria phlogina* (Ach.) S.Y. Kondr., Kärnefelt, Elix, A. Thell & Hur, *Xanthoria phlogina* (Ach.) Arnold]
problematic, no modern record; the record in Cevallos (2012) is based on Návas (1908) from Pifo (near Quito), source: Návas (1908), Cevallos (2012)

Polycauliona stellata (Wetmore & Kärnefelt) Arup, Frödén & Søchting

[*Caloplaca stellata* Wetmore & Kaerneflt, *Massjukiella stellata* (Wetmore & Kärnefelt) S.Y. Kondr.]
Arvidsson... 1016 [GB], Arvidsson... 1015 [GB]

Polychidium

Polychidium muscicola (Sw.) Gray

[*Collema muscicola* (Sw.) Ach., *Cornicularia muscicola* (Sw.) DC., *Garovaglia muscicola* (Sw.) Trevis., *Homodium muscicola* (Sw.) Nyl., *Leptogium muscicola* (Sw.) Fr., *Lichen muscicola* Sw., *Parmelia muscicola* (Sw.) Ach., *Patellaria muscicola* (Sw.) Wallr.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 63155 [CDS], Nugra, F. 296 [CDS], Bungartz, F. 8147 [CDS], Dal-Forno, M. 1193 D [CDS], Truong, C. 1149 B [CDS]

Polycoccum

Polycoccum arnoldii (Hepp) D. Hawksw.

[*Phaeospora arnoldii* Hepp, *Tichothecium arnoldii* (Hepp) Körb.]
* = lichenicolous fungi (parasites on living lichens); on *Diploschistes* sp., source: Etayo (2017); J. Etayo 26687 [hb. Etayo]

Polycoccum deformans R. Sant. & Brackel

* = lichenicolous fungi (parasites on living lichens); on *Placopsis* cf. *gelida* & *Placopsis* sp., source: Etayo (2017); Etayo, J. 23452 [hb. Etayo]

Polycoccum dictyonematis Etayo

* = lichenicolous fungi (parasites on living lichens); on *Dictyonema glabratum* s.l., source: Etayo (2017); J. Etayo 25565 [hb. Etayo], J. Etayo 25566 [hb. Etayo], J. Etayo 25567 [hb. Etayo], Etayo, J. 25565 [QCAM]

Polycoccum longisporum Etayo

* = lichenicolous fungi (parasites on living lichens); on *Sticta* sp., source: Etayo (2017); Etayo, J. 20052 [hb. Etayo], Etayo, J. 25865 [hb. Etayo], Etayo, J. 26420 [hb. Etayo], Etayo, J. 25882 [hb. Etayo]

Polycoccum minutulum Kocourková & F. Berger

* = lichenicolous fungi (parasites on living lichens); on cf. *Trapelia,* & *Trapelia* sp., source: Etayo (2017)

Polycoccum nigrosporum Etayo

* = lichenicolous fungi (parasites on living lichens); on *Buellia* cf. *aethalea*, source: Etayo (2017)

Polycoccum pulvinatum (Eitner) R. Sant.

[*Polycoccum galligenum* Vězda, *Tichothecium pulvinatum* Eitner]
* = lichenicolous fungi (parasites on living lichens); on *Physcia* sp., source: Etayo (2017); Etayo, J. 20028 [hb. Etayo]

Polycoccum versisporum (Bagl. & Carestia) D. Hawksw.

[*Microthelia versispora* Bagl. & Carestia]
* = lichenicolous fungi (parasites on living lichens); on *Rhizocarpon geminatum*, source: Etayo (2017)

Polymeridium

Polymeridium subcinereum (Nyl.) R.C. Harris

[*Arthopyrenia subimitans* Müll.Arg., *Porina subcinerea* (Nyl.) Zahlbr., *Pseudopyrenula follmannii* C.W. Dodge, *Pyrenula subcinerea* (Nyl.) Tuck., *Verrucaria subcinerea* Nyl.]
source: Benítez et al. (2019); Benítez, A. 63 [HUTPL]

Porina

Porina africana Müll.Arg.

[*Porina platystoma* Müll.Arg., *Verrucaria africana* (Müll. Arg.) Stizenb.]
source: McCarthy & Palice (2003), van den Boom et al. (2022)

Porina alba (R. Sant.) Lücking

[*Phyllophiale alba* R. Sant.]
parasitized by *Opegrapha porinicola*, source: Lücking (1999, 2008), Lücking & Matzer (2001); Robert Lücking 96-151 [INABIOEC-MECN-QCNE], Robert Lücking 96-421 [INABIOEC-MECN-QCNE], Robert Lücking 96-980 [INABIOEC-MECN-QCNE]

Porina albida Lücking

Holotype QCNE, Lücking 96-987, source: Lücking & Matzer (2001), Lücking (2008); Lücking, R. 96-987 [INABIOEC-MECN-QCNE]

Porina andreana Lücking & Vězda

source: Lücking (1999, 2008)

Porina atlantica (Erichsen) P.M. Jørg.

[*Ocellularia atlantica* Erichsen, *Porina guaranitica* Malme]
source: McCarthy & Palice (2003), van den Boom et al. (2022)

Porina atropunctata Lücking & Vězda

source: Lücking (1999)

Porina barbifera Lücking

Holotype QCNE, Lücking 96-394, source: Lücking (2008); Lücking, R. 96-394 [INABIOEC-MECN-QCNE]

Porina conspersa Malme

source: Lücking (1999, 2008), Déleg at al. (2021); Klara Scharnagl 2207 [MSC], Aptroot, A. 64327 [CDS], Bungartz, F. 10292 [CDS]

Porina coralloidea P. James

[*Zamenhofia coralloidea* (P. James) Clauzade & Cl. Roux]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 3714 [CDS], Aptroot, A. 65310 [CDS], Aptroot, A. 64237 [CDS]

Porina cubana Vězda

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Rivas Plata, E. 4101 [CDS], Spielmann, A.A. 8153 B [CDS], Aptroot, A. 64268 B [CDS]

Porina curtula Malme

Klara Scharnagl 2266 [MSC]

Porina distans Vězda & Vivant

source: Lücking (1999, 2008), Nöske et al. (2007); Bungartz, F. 5635 [CDS], Clerc, P. 08-293 [CDS], Bungartz, F. 9269 [CDS], Bungartz, F. 9306 [CDS], Bungartz, F. 9461 [CDS], Bungartz, F. 9462 [CDS], Yánez-Ayabaca, A. 1743 [CDS], Aptroot, A. 64026 [CDS], Aptroot, A. 64623 [CDS], Bungartz, F. 3701 [CDS], Bungartz, F. 8256 [CDS], Bungartz, F. 8647 [CDS], Aptroot, A. 64287 [CDS], Yánez-Ayabaca, A. 1772 [CDS], Bungartz, F. 6768 [CDS], Hillmann, G. GAL-8 [CDS], Bungartz, F. 5741 [CDS]

Porina dolichophora (Nyl.) Müll.Arg.

[*Verrucaria dolichophora* Nyl.]
source: McCarthy & Palice (2003)

Porina epiphylla Fée

[*Lecanora epiphylla* (Fée) Fée nom. illegit., *Phylloporina epiphylla var. epiphylla* (Fée) Müll.Arg., *Pyrenula epiphylla* (Fée) Plitt, *Verrucaria epiphylla* (Fée) Eschw.]
source: Lücking (1999, 2008), Nöske et al. (2007), van den Boom et al. (2022); Klara Scharnagl 2169a [MSC]

Porina exasperatula Vain.

source: Nöske et al. (2007); Klara Scharnagl 2186 [MSC]

Porina filispora Lücking

Holotype QCNE, Lücking 96-642, source: Lücking (2008); Lücking, R. 96-642 [INABIOEC-MECN-QCNE]

Porina fulvella Müll.Arg.

[*Phylloporina fulvella* (Müll. Arg.) Szatala]
source: Lücking (1999, 2008)

Porina fusca Lücking

source: Lücking (1999, 2008)

Porina guianensis Lücking & Vězda

source: Lücking (1999, 2008)

Porina imitatrix Müll.Arg.

source: Lücking (1999, 2008), Benítez et al. (2015), Benítez (2016); Klara Scharnagl 1861 [MSC], Klara Scharnagl 1908 [MSC], Klara Scharnagl 1937 [MSC], Klara Scharnagl 1952 [MSC], Klara Scharnagl 1979 [MSC], Benítez, A. 372 [HUTPL]

Porina internigrans (Nyl.) Müll.Arg.

[*Porina araucariae* Müll.Arg., *Porina brisbanensis* Müll.Arg., *Porina glauca* Müll.Arg., *Porina phaeophthalma* Shirley, *Porina praestantior* Müll.Arg., *Porina praestantior var. praestantior* Müll.Arg., *Verrucaria internigrans* (Nyl.) Nyl., *Verrucaria mastoidea var. internigrans* Nyl.]

source: Benítez (2015), Benítez (2016), Fernández-Prado et al. (2022), van den Boom et al. (2022); Klara Scharnagl 2273b [MSC], Klara Scharnagl 1855 [MSC], Klara Scharnagl 2250 [MSC], Klara Scharnagl 2252 [MSC], Klara Scharnagl 2264 [MSC], Klara Scharnagl 1879 [MSC], Klara Scharnagl 1911 [MSC], Klara Scharnagl 1924 [MSC], Klara Scharnagl 1932 [MSC], Klara Scharnagl 1953 [MSC], Klara Scharnagl 2003 [MSC], Klara Scharnagl 2007 [MSC], Klara Scharnagl 2013 [MSC], Klara Scharnagl 2037 [MSC], Klara Scharnagl 2041 [MSC], Klara Scharnagl 2042 [MSC], Klara Scharnagl 2051 [MSC], Klara Scharnagl 2058 [MSC], Klara Scharnagl 2069 [MSC], Klara Scharnagl 2074 [MSC], Klara Scharnagl 2084 [MSC], Klara Scharnagl 2085 [MSC], Klara Scharnagl 2125 [MSC], Klara Scharnagl 2127 [MSC], Klara Scharnagl 2196 [MSC], Klara Scharnagl 2203 [MSC], Klara Scharnagl 2204 [MSC], Klara Scharnagl 2205 [MSC], Klara Scharnagl 2230a [MSC], Benítez, A. 373 [HUTPL], Benítez, A. 374 [HUTPL]

Porina karnatakensis Makhija, Adaw. & Patw.

source: Lücking (2008)

Porina leptosperma Müll.Arg.

[*Phylloporina leptosperma* (Müll.Arg.) Müll.Arg.]
source: Lücking (1999, 2008)

Porina leptospermoides Müll.Arg.

source: Lücking (1999, 2008), Nöske et al. (2007)

Porina limbulata (Kremp.) Vain.

[*Phylloporina limbulata* (Kremp.) Müll. Arg., *Verrucaria limbulata* Kremp.]
source: Lücking (1999, 2008), Lücking & Matzer (2001), Nöske et al. (2007); Robert Lücking 96-1221 [INABIOEC-MECN-QCNE], Robert Lücking 96-385 [INABIOEC-MECN-QCNE], Robert Lücking 96-847 [INABIOEC-MECN-QCNE], Robert Lücking 96-849 [INABIOEC-MECN-QCNE], Robert Lücking 96-153 [INABIOEC-MECN-QCNE]

Porina lucida R. Sant.

[*Phylloporina lucida* (R. Sant.) Szatala]
source: Lücking (1999, 2008); Robert Lücking 96-620 [INABIOEC-MECN-QCNE], Robert Lücking 96-982 [INABIOEC-MECN-QCNE]

Porina melanops Malme

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 65406 [CDS], Bungartz, F. 8758 [CDS], Bungartz, F. 8642 [CDS]

Porina mirabilis Lücking & Vězda

source: Lücking (1999)

Porina moralesiae Lücking

source: Lücking (1999)

Porina napensis Lücking

Holotype QCA, Lücking 96-975, source: Lücking (1999, 2008)

Porina nucula Ach.

[*Porina endochrysa* Mont., *Porina mastoidea var. rudis* Müll.Arg., *Porina nucula var. endochrysa* (Mont.) Zahlbr., *Porina pallida* Müll.Arg., *Porina rudis* (Müll.Arg.) Müll.Arg., *Porophora nucula* (Ach.) Spreng., *Segestria nucula* (Ach.) Hellb., *Sphaeromphale nucula* (Ach.) Trevis., *Verrucaria endochrysa* (Mont.) Nyl.]
source: Lücking (1999, 2008), Nöske et al. (2007), Benítez et al. (2015; as *Porina* aff. *nucula* and *Porina nucula*), Benítez (2016), Benítez et al. (2019), Déleg et al. (2021); Yánez-Ayabaca, A. 1742 [CDS], Aptroot, A. 64703 [CDS], Bungartz, F. 4000 [CDS], Aptroot, A. 64251 [CDS], Benítez, A. 371 [HUTPL], Benítez, A. 375 [HUTPL]

Porina papillifera F. Schill.

[*Verrucaria papillifera* Stirt. nom. illegit.]
source: Lücking (1999, 2008), Lücking & Matzer (2001); R. Lücking 96-632 [WIS], Robert Lücking 96-1222 [INABIOEC-MECN-QCNE], Robert Lücking 96-611 [INABIOEC-MECN-QCNE], Robert Lücking 96-386 [INABIOEC-MECN-QCNE], Robert Lücking 96-846 [INABIOEC-MECN-QCNE]

Porina pichinchensis Lücking

Holotype QCA, Lücking 96-1178, source: Lücking (1999, 2008)

Porina pseudoapplanata Lücking & M. Cáceres

source: Lücking (2008)

Porina radiata Kalb, Lücking & Vězda

[*Porina rugosa* Kalb & Vězda]
source: Lücking (1999, 2008), Lücking & Matzer (2001); Robert Lücking 96-625 [INABIOEC-MECN-QCNE], Robert Lücking 96-1220 [INABIOEC-MECN-QCNE], Robert Lücking 96-399 [INABIOEC-MECN-QCNE]

Porina repanda (Stirt.) Stirt.

[*Verrucaria repanda* Stirt.]
source: Lücking (1999, 2008); R. Lücking 96-953 [WIS], Robert Lücking 96-660 [INABIOEC-MECN-QCNE], Robert Lücking 96-662 [INABIOEC-MECN-QCNE], Robert Lücking 96-970 [INABIOEC-MECN-QCNE]

Porina rufula (Kremp.) Vain.

[*Phylloporina rufula* (Kremp.) Müll. Arg., *Phylloporina rufula f. rufula* (Kremp.) Müll. Arg., *Phylloporina rufula var. rufula* (Kremp.) Müll. Arg., *Porina pseudofulvella* Sérus., *Verrucaria rufula* Kremp.]
source: Lücking (1999, 2008), van den Boom et al. (2022); Robert Lücking 96-251 [INABIOEC-MECN-QCNE]

Porina subepiphylla Lücking & Vězda

parasitized by *Sphaeromma porinae* & *Keratosphaera porinae* , source: Lücking (1999, 2008), Lücking & Matzer (2001), Etayo (2017); R. Lücking 96-490 [WIS], Robert Lücking 96-657 [INABIOEC-MECN-QCNE], Robert Lücking 96-1189 [INABIOEC-MECN-QCNE], Robert Lücking 96-417 [INABIOEC-MECN-QCNE]

Porina tetracerae (Ach.) Müll.Arg.

[*Clathroporina tetracerae* (Ach.) R.C. Harris, *Porina persimilis* Müll.Arg., *Porina tetracerae var. persimilis* (Müll. Arg.) P.M. McCarthy, *Pyrenula tetracerae* (Ach.) Ach., *Verrucaria mastoidea var. tetracerae* (Ach.) Nyl., *Verrucaria tetracerae* Ach.]
source: Lücking (1999, 2008), Nöske et al. (2007), Déleg et al. (2021); Klara Scharnagl 1833 [MSC], Klara Scharnagl 1825 [MSC], Klara Scharnagl 1830 [MSC], Klara Scharnagl 1838 [MSC], Klara Scharnagl 1837 [MSC], Klara Scharnagl 1832 [MSC], Klara Scharnagl 2253 [MSC], Klara Scharnagl 1927 [MSC], Klara Scharnagl 1947 [MSC], Klara Scharnagl 1960 [MSC], Klara Scharnagl 1965 [MSC], Klara Scharnagl 1982 [MSC], Klara Scharnagl 1987 [MSC], Klara Scharnagl 1993 [MSC], Klara Scharnagl 2017 [MSC], Klara Scharnagl 2032 [MSC], Klara Scharnagl 2045 [MSC], Klara Scharnagl 2047 [MSC], Klara Scharnagl 2078 [MSC], Klara Scharnagl 2083 [MSC], Klara Scharnagl 2096 [MSC], Klara Scharnagl 2097 [MSC], Klara Scharnagl 2099 [MSC], Klara Scharnagl 2115 [MSC], Klara Scharnagl 2117 [MSC], Klara Scharnagl 2135 [MSC], Klara Scharnagl 2141 [MSC], Klara Scharnagl 2147 [MSC], Klara Scharnagl 2151 [MSC], Klara Scharnagl 2155 [MSC], Klara Scharnagl 2156 [MSC], Klara Scharnagl 2162 [MSC], Klara Scharnagl 2190 [MSC], Klara Scharnagl 2200 [MSC], Benítez, A. 59 [HUTPL]

Porina tetramera (Malme) R. Sant.

[*Phylloporina tetramera* Malme]
source: Lücking (1999), Lücking & Matzer (2001, 2008), van den Boom et al. (2022); Aptroot, A. 63343 B [CDS], Bungartz, F. 7087 [CDS], Nugra, F. 910 D1 [CDS], Spielmann, A.A. 8153 A [CDS], Spielmann, A.A. 8235 A [CDS], Spielmann, A.A. 8241 A [CDS], Rivas Plata, E. 4082 B [CDS], Bungartz, F. 8289 E [CDS], Bungartz, F. 8288 B [CDS]

Porina triseptata (Vězda) Lücking

[*Trichothelium triseptatum* Vězda]

source: Lücking (1999, 2008)

Porina vezdae Lücking

source: Lücking (1999, 2008)

Pronectria

Pronectria biglobosa Etayo

* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp., Holotype QCA, Etayo 27006, source: Etayo (2017); Etayo, J. 25384 [hb. Etayo], Etayo, J. 25432 [hb. Etayo], Etayo, J. 25622 [hb. Etayo], J. Etayo 26285 [hb. Etayo], Etayo, J. 27006 [hb. Etayo]

Pronectria echinulata Lowen

* = lichenicolous fungi (parasites on living lichens); on *Physcia* cf. *tribacia*, source: Etayo (2017); Etayo, J. 25530 [hb. Etayo]

Pronectria hymeniicola Etayo

* = lichenicolous fungi (parasites on living lichens); on *Collema glaucophthalmum* and *Leptogium azureum*, source: Etayo (2017); Etayo, J. 20123 [hb. Etayo], Etayo, J. 25399 [hb. Etayo], J. Etayo 25547 [hb. Etayo], J. Etayo 26664 [hb. Etayo], Etayo, J. 26664 [QCAM]

Pronectria leptaleae (J. Steiner) Lowen

[*Nectriella leptaleae* (J. Steiner) R. Sant., *Pharcidia leptaleae* J. Steiner, *Xenonectriella leptaleae* (J. Steiner) Rossman & Lowen]
* = lichenicolous fungi (parasites on living lichens); on *Physcia* sp., source: Etayo (2017; as *X.* aff. *leptalea*; spelling of epithet orthographically incorrect, correct spelling is *leptaleae*); Etayo, J. 20028 [hb. Etayo]

Pronectria leptogii Etayo

* = lichenicolous fungi (parasites on living lichens); on *Leptogium* sp. (sterile), *L. azureum*, *L.* cf. *burnetiae*, and *L. phyllocarpum*, source: Etayo (2017; as *Pronectria leptogii* agg.); Etayo, J. 17330 [hb. Etayo], Etayo, J. 25411 [hb. Etayo], Etayo, J. 25457 [hb. Etayo], Etayo, J. 25676 [hb. Etayo]

Pronectria oligospora Lowen & Rogerson

[*Pronectria oligospora subsp. oligospora* Lowen & Rogerson, *Pronectria oligospora var. oligospora* Lowen & Rogerson]
* = lichenicolous fungi (parasites on living lichens); on *Punctelia rudecta*, source: Etayo (2017); Etayo, J. 20062 [hb. Etayo]

Pronectria parmotrematis Etayo

* = lichenicolous fungi (parasites on living lichens); on *Parmotrema* sp., Holotype QCA, Etayo 17259, source: Etayo (2017), Etayo (2001); J. Etayo 17259 [hb. Etayo], J. Etayo 17280 [hb. Etayo]

Pronectria pycnidioidea Etayo

* = lichenicolous fungi (parasites on living lichens); on *Heterodermia* sp., Holotype QCA, Etayo 17234, source: Etayo (2017); J. Etayo 17252 [hb. Etayo]

Pronectria robergei (Mont. & Desm.) Lowen

[*Nectria peltigerae* W. Phillips & Plowr., *Nectria robergei* Mont. & Desm.]
* = lichenicolous fungi (parasites on living lichens); on *Peltigera soredians*, source: Etayo (2017); J. Etayo 26308 [hb. Etayo]

Pronectria roseopunctata Etayo

* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp., source: Etayo (2017); Etayo, J. 19967 [hb. Etayo], J. Etayo 25351 [hb. Etayo]

Pronectria sticticola Etayo

* = lichenicolous fungi (parasites on living lichens); on *Sticta* sp., *S.* aff. *weigelii* & *S.* cf. *weigelii* , source: Etayo (2017); Etayo, J. 17295 [hb. Etayo], Etayo, J. 17320 [hb. Etayo], Etayo, J. 17324 [hb. Etayo], Etayo, J. 19977 [hb. Etayo], Etayo, J. 20049 [hb. Etayo], Etayo, J. 20102 [hb. Etayo], Etayo, J. 20120 [hb. Etayo], Etayo, J. 25413 [hb. Etayo], Etayo, J. 25797 [hb. Etayo], Etayo, J. 26274 [hb. Etayo], J. Etayo 26666 [hb. Etayo], Etayo, J. 26666 [QCAM]

Protoparmeliopsis

Protoparmeliopsis ertzii Bungartz & Elix

endemic to Galapagos, Holotype: Ertz 11813 [CDS 37172], source: Bungartz et al. (2020); Ertz, D. 11813 [CDS]

Protounguicularia

Protounguicularia fasciculata (Etayo) Etayo

[*Unguiculariopsis fasciculata* Etayo]
* = lichenicolous fungi (parasites on living lichens); on *Ramalina* sp., source: Etayo (2017); J. Etayo 25349 [hb. Etayo]

Protounguicularia usneae Etayo

* = lichenicolous fungi (parasites on living lichens); on *Usnea* sp., Holotype QCA, Etayo 17267, source: Etayo (2017); J. Etayo 17267 [hb. Etayo]

Pseudobogoriella

Pseudobogoriella annonacea (Müll. Arg.) Lücking, R. Miranda & Aptroot

[*Bogoriella annonacea* (Müll. Arg.) Aptroot & Lücking, *Microthelia annonacea* Müll.Arg., *Mycomicrothelia annonacea* (Müll. Arg.) D. Hawksw.]
source: Aptroot (1991), Cevallos (2012)

Pseudobogoriella captiosa (Kremp.) Lücking, R. Miranda & Aptroot

[*Bogoriella captiosa* (Kremp.) Aptroot & Lücking, *Microthelia captiosa* (Kremp.) Müll. Arg., *Mycomicrothelia captiosa* (Kremp.) D. Hawksw., *Verrucaria captiosa* Kremp.]
source: Nöske et al. (2007)

Pseudobogoriella hemisphaerica (Müll. Arg.) Lücking, R. Miranda & Aptroot

[*Bogoriella hemisphaerica* (Müll. Arg.) Aptroot & Lücking, *Microthelia hemisphaerica* Müll.Arg., *Mycomicrothelia hemisphaerica* (Mull. Arg.) D. Hawksw.]
source: Aptroot (1991), Cevallos (2012)

Pseudobogoriella miculiformis (Müll. Arg.) Lücking, R. Miranda & Aptroot

[*Bogoriella miculiformis* (Nyl. ex Müll. Arg.) Aptroot & Lücking, *Microthelia miculiformis* Nyl. ex Müll. Arg., *Mycomicrothelia miculiformis* (Nyl. ex Müll. Arg.) D. Hawksw., *Verrucaria miculiformis* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 3520 [CDS], Spielmann, A.A. 10605 [CDS]

Pseudobogoriella socialis (Zahlbr.) Lücking, R. Miranda & Aptroot

[*Bogoriella socialis* (Zahlbr.) Aptroot & Lücking, *Microthelia socialis* Zahlbr., *Mycomicrothelia socialis* (Zahlbr.) D. Hawksw.]
source: Aptroot (1991), Cevallos (2012)

Pseudobogoriella subfallens (Müll. Arg.) Lücking, R. Miranda & Aptroot

[*Bogoriella subfallens* (Müll. Arg.) Aptroot & Lücking, *Microthelia subfallens* Müll.Arg., *Mycomicrothelia subfallens* (Müll. Arg.) D. Hawksw., *Verrucaria subfallens* Nyl. nom. inval.]
source: Aptroot (1991), Elix & McCarthy (1998), Weber (1993), Benítez et al. (2015), Benítez (2016), Fernández-Prado et al. (2022); Bungartz, F. 9441 [CDS], Aptroot, A. 65543 [CDS], Aptroot, A. 65544 [CDS], Aptroot, A. 65560 [CDS], Aptroot, A. 65061 A [CDS], Benítez, A. 298 [HUTPL]

Pseudocalopadia

Pseudocalopadia mira Lücking

source: Lücking (1999, 2008)

Pseudochapsa

Pseudochapsa dilatata (Müll. Arg.) Parnmen, Lücking & Lumbsch

[*Chapsa dilatata* (Müll. Arg.) Kalb, *Ocellularia dilatata* Müll.Arg., *Thelotrema dilatatum* (Müll.Arg.) Hale]
source: Chuquimarca et al (2019), Benítez et al. (2019); Benítez, A. 11 [HUTPL]

Pseudochapsa subdactylifera (Sipman) Lücking

[*Myriotrema subdactyliferum* Sipman]
Klara Scharnagl 2026 [MSC]

Pseudocyphellaria

Pseudocyphellaria argyracea (Delise) Vain.

[*Lichen argyraceus* (Delise) Bory, *Pseudocyphellaria argyracea f. argyracea* (Delise) Vain., *Pseudocyphellaria argyracea var. argyracea* (Delise) Vain., *Pseudocyphellaria argyracea var. sorediifera* (Delise) Malme, *Sticta argyracea f. argyracea* Delise, *Sticta argyracea var. argyracea* Delise, *Sticta argyracea var. sorediifera* Delise, *Stictina argyracea f. argyracea* (Delise) Nyl., *Stictina argyracea var. argyracea* (Delise) Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Elix & McCarthy (1998), Galloway & Arvidsson (1990), Weber (1986); Clerc, P. 08-282 [CDS], Truong, C. 1489 [CDS], Bungartz, F. 6685 [CDS], Bungartz, F. 8521 [CDS], Truong, C. 1518 A [CDS], Bungartz, F. 10056 [CDS], Yánez-Ayabaca, A. 2033 [CDS], Yánez-Ayabaca, A. 2057 [CDS]

Pseudocyphellaria bartlettii D.J. Galloway

[*Pseudocyphellaria mougeotiana f. isidiosa* (Müll.Arg.) Zahlbr., *Sticta mougeotiana f. isidiata* (Müll.Arg.) Zahlbr., *Stictina mougeotiana f. isidiosa* Müll.Arg.]
source: Galloway & Arvidsson (1990)

Pseudocyphellaria billardierei (Delise) Räsänen

[*Crocodia richardii* (Mont.) Trevis., *Lobaria billardierei* Delise, *Lobaria billardierei var. billardierei* Delise, *Lobaria fossulata var. richardii* (Mont.) Hellb., *Pseudocyphellaria billardieri* (Delise) Räsänen, *Pseudocyphellaria flotowiana* (Laurer) Malme, *Pseudocyphellaria linearis* (Hook. f. & Taylor) C.W. Dodge, *Pseudocyphellaria richardii* (Mont.) Räsänen, *Pseudocyphellaria richardii var. richardii* (Mont.) Räsänen, *Sticta billardierei* Delise, *Sticta billardierei var. billardierei* Delise, *Sticta billardierei var. lacinulata* (Kremp.) Müll. Arg., *Sticta cellulifera f. billardierei* (Delise) Nyl., *Sticta cellulifera f. lacinulata* (Kremp.) Stizenb., *Sticta faveolata var. billardierei* (Delise) C. Bab., *Sticta faveolata var. richardii* (Mont.) Linds., *Sticta flotowiana* Laurer, *Sticta flotowiana var. flotowiana* Laurer, *Sticta fossulata f. lacinulata* Kremp., *Sticta fossulata f. linearis* (Hook. f. & Taylor) Stizenb., *Sticta fossulata var. richardii* (Mont.) Nyl., *Sticta foveolata var. richardii* (Mont.) Linds., *Sticta linearis* Hook. f. & Taylor, *Sticta richardii* Mont., *Sticta richardii f. richardii* Mont., *Sticta richardii var. richardii* Mont., *Sticta richardii var. rufovirescens* C. Bab.]
source: Müller (1879, as *Sticta linearis*)

Pseudocyphellaria clathrata (De Not.) Malme

[*Crocodia clathrata* (De Not.) Trevis., *Sticta aurata f. clathrata* (De Not.) Kremp., *Sticta clathrata* De Not.]
parasitized by *Lichenopeltella thalamica*, source: Etayo (2017), Galloway & Arvidsson (1990), van den Boom et al. (2022); J. Etayo 17234 [hb. Etayo], Etayo, J. 19929 [hb. Etayo], Etayo, J. 26327 [hb. Etayo]

Pseudocyphellaria crocata (L.) Vain.

[*Celidium keisslerianum* Gyeln., *Cyanisticta aurigera* (Bory) C.W. Dodge, *Cyanisticta aurigera var. aurigera* (Bory) C.W. Dodge, *Cyanisticta crocata* (L.) Gyeln., *Cyanisticta crocata f. crocata* (L.) Räsänen, *Cyanisticta crocata var. crocata* (L.) Räsänen, *Cyanisticta mougeotiana var. aurigera* (Delise) Szatala, *Lichen crocatus* L., *Lobaria crocata* (L.) Raeusch., *Pseudocyphellaria mougeotiana f. aurigera* (Delise) I.M. Lamb, *Pseudocyphellaria mougeotiana var. aurigera* (Delise) Vain., *Pulmonaria aurigera* Bory, *Saccardoa crocata* (L.) Trevis., *Sticta aurigera* Delise, *Sticta aurigera var. aurigera* Delise, *Sticta crocata* (Hoffm.) DC., *Sticta crocata f. crocata* (L.) Ach., *Sticta crocata var. crocata* (L.) Ach., *Stictina crocata* (L.) Nyl., *Stictina crocata f. crocata* (L.) Nyl.]
problematic; according to Lücking et al. (2017) none of the 13 species previously treates as *P. crocata* are *P. crocata* s.str.; according to Elix & McCarthy (1998) reported for the Galapagos by Weber (1986) as *Pseudocyphellaria mougeotiana* var. *aurigera* with *Pseudocyphellaria xantholoma* as a synonym; all names currently not resolved, source: Zahlbruckner (1907), Zahlbruckner (1905), Dodge (1936), Weber (1966, 1986), Elix & McCarthy (1998), Galloway & Arvidsson (1990), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Benítez et al. (2012, 2015), Chuquimarca et al. (2019); A. Aptroot 3065 [ASU], L. B. Holm-Nielsen... 3482 [US], Benítez, A. 378 [HUTPL], Etayo, J. 25630 [hb. Etayo], Etayo, J. 25697 [hb. Etayo], Etayo, J. 25760 [hb. Etayo], Etayo, J. 25764 [hb. Etayo], Etayo, J. 25803 [hb. Etayo], Etayo, J. 25804 [hb. Etayo]

Pseudocyphellaria dozyana (Mont. & Bosch) D.J. Galloway

[*Saccardoa dozyana* (Mont. & Bosch) Trevis., *Sticta dozyana* Mont. & Bosch, *Stictina dozyana* (Mont. & Bosch) Nyl.]
Weber (1993) suggests that this species was previously listed by Weber (1986) as *Pseudocyphellaria mougeotiana* var. *aurigera*, saying that although Galapagos specimens were verified by Galloway, they were not included in Galloway & Arvidsson (1990), source: Weber (1986; as *Pseudocyphellaria mougeotiana* var. *aurigera*), Weber (1993), Elix & McCarthy (1998), Galloway (1985), Galloway & Arvidsson (1990); Herrera-Campos, M.A. 10562 [CDS], Truong, C. 1518 B [CDS], Bungartz, F. 5613 [CDS], Nugra, F. 42 [CDS], Nugra, F. 51 [CDS], Aptroot, A. 63843 [CDS], Bungartz, F. 4249 [CDS], Nugra, F. 24 [CDS], Nugra, F. 387 [CDS], Bungartz, F. 6904 [CDS], Clerc, P. 08-304 [CDS], Nugra, F. 178 [CDS], Rivas Plata, E. 4061 [CDS], Bungartz, F. 10057 [CDS], Bungartz, F. 10255 [CDS], Bungartz, F. 10273 [CDS], Bungartz, F. 9483 [CDS], Bungartz, F. 10023 [CDS], Yánez-Ayabaca, A. 1876 A [CDS], Aptroot, A. 65529 [CDS], Nugra, F. 144 A [CDS], Aptroot, A. 65539 [CDS], Bungartz, F. 10254 [CDS], Moncada, B. 8437 [CDS], Moncada, B. 8488 [CDS]

Pseudocyphellaria intricata (Delise) Vain.

[*Cyanisticta intricata* (Delise) Räsänen, *Cyanisticta intricata var. intricata* (Delise) Räsänen, *Cyanisticta normalis* Gyeln., *Pseudocyphellaria thouarsii var. intricata* (Delise) Degel., *Sticta intricata* Delise, *Sticta intricata f. intricata* Delise, *Sticta intricata var. intricata* Delise, *Stictina argyracea var. intricata* (Delise) Leight., *Stictina intricata* (Delise) Nyl., *Stictina intricata var. intricata* (Delise) Nyl.]
source: Galloway & Arvidsson (1990); Etayo, J. 25766 [hb. Etayo], Etayo, J. 26403 [hb. Etayo]

Pseudocyphellaria sandwicensis (Zahlbr.) Moncada & Lücking

[*Cyanisticta sandwicensis* (Zahlbr.) Gyeln., *Sticta crocata f. sandwicensis* Zahlbr.]
source: Lücking et al. (2017)

Pseudocyphellaria xanthosticta (Pers.) Moncada & Lücking

[*Sticta xanthosticta* Pers.]
source: Lücking et al. (2017)

Pseudonitschkia

Pseudonitschkia parmotrematis Coppins & S.Y. Kondr.

* = lichenicolous fungi (parasites on living lichens); on *Parmotrema reticulatum*, source: Etayo (2017); Etayo, J. 20097 [hb. Etayo]

Pseudoparmelia

Pseudoparmelia cubensis (Nyl.) Elix & Nash

[*Parmelia cubensis* Nyl., *Parmelia leucochlora* Tuck.]
source: Nöske et al. (2007), Elix et al. (1997)

Pseudoparmelia relicinoides Elix & T.H. Nash

source: Nöske et al. (2007)

Pseudopyrenula

Pseudopyrenula diluta (Fée) Müll.Arg.

[*Arthopyrenia diluta* (Fée) Harm., *Pseudopyrenula albonitens* Müll.Arg., *Pseudopyrenula atroalba* Vain., *Pseudopyrenula diluta var. diluta* (Fée) Müll.Arg., *Pseudopyrenula erumpens* Müll.Arg., *Pseudopyrenula oahuensis* H. Magn., *Pseudopyrenula sitiana* Vain., *Pyrenula diluta* (Fée) Tuck., *Verrucaria diluta* Fée]
source: Nöske et al. (2007), Benítez (2016), Benítez et al. (2019), van den Boom et al. (2022); Truong, C. 1346 B [CDS], Bungartz, F. 9268 [CDS], Bungartz, F. 10013 [CDS], Aptroot, A. 64084 B [CDS], Aptroot, A. 64558 [CDS], Aptroot, A. 64066 [CDS], Bungartz, F. 4327 [CDS], Bungartz, F. 4442 [CDS], Bungartz, F. 4896 [CDS], Bungartz, F. 9328 [CDS], Benítez, A. 69 [HUTPL]

Pseudopyrenula subgregaria Müll.Arg.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Albert W. C. T. Herre L-41176 [LSU]

Pseudopyrenula subnudata Müll.Arg.

[*Arthopyrenia minutissima* Vain., *Pseudopyrenula araucariae* Vain., *Pseudopyrenula confluens* G. Merr., *Pseudopyrenula diluta var. degenerans* Vain., *Pseudopyrenula elliptica* Müll.Arg., *Pseudopyrenula flavicans* Müll.Arg., *Pseudopyrenula limitata* Szatala, *Pyrenula hagmannii* Redinger]
source: Weber (1993; as *Pseudopyrenula subgregaria*), Elix & McCarthy (1998), Benítez (2016), Benítez et al. (2019), van den Boom et al. (2022); Bungartz, F. 6859 A [CDS], Ertz, D. 11600 [CDS], Bungartz, F. 5780 [CDS], Bungartz, F. 5771 [CDS], Bungartz, F. 5135 [CDS], Ertz, D. 11594 [CDS], Bungartz, F. 7529 [CDS], Bungartz, F. 8590 [CDS], Hillmann, G. GAL-6 [CDS], Hillmann, G. GAL-89 [CDS], Rivas Plata, E. 4075 [CDS], Miranda, R. 963 [CDS], Miranda, R. 967 [CDS], Yánez-Ayabaca, A. 1832 [CDS], Bungartz, F. 5764 [CDS], Bungartz, F. 7075 [CDS], Bungartz, F. 5835 [CDS], Bungartz, F. 7527 [CDS], Bungartz, F. 5754 [CDS], Bungartz, F. 4322 [CDS], Bungartz, F. 5757 [CDS], Bungartz, F. 3549 [CDS], Bungartz, F. 8562 [CDS], Bungartz, F. 6851 [CDS], Ertz, D. 11733 [CDS], Aptroot, A. 64533 [CDS], Aptroot, A. 63338 [CDS], Aptroot, A. 64605 [CDS], Aptroot, A. 63304 [CDS], Aptroot, A. 65309 [CDS], Aptroot, A. 63983 [CDS], Aptroot, A. 64634 [CDS], Aptroot, A. 64766 [CDS], Aptroot, A. 65308 [CDS], Aptroot, A. 63802 [CDS], Hillmann, G. GAL-5 A [CDS], Bungartz, F. 10318 [CDS], Bungartz, F. 3903 [CDS], Bungartz, F. 9629 [CDS], Bungartz, F. 9852 A [CDS], Bungartz, F. 10032 [CDS], Bungartz, F. 9633 [CDS], Bungartz, F. 10165 [CDS], Bungartz, F. 9255 [CDS], Yánez-Ayabaca, A. 1761 [CDS], Bungartz, F. 9677 [CDS], Yánez-Ayabaca, A. 1929 [CDS], Bungartz, F. 3715 A [CDS], Benítez, A. 70 [HUTPL]

Pseudorobillarda

Pseudorobillarda peltigerae Diederich

* = lichenicolous fungi (parasites on living lichens); on *Parmotrema* sp., source: Etayo (2017)

Pseudosagedia

Pseudosagedia atrocoerulea (Müll. Arg.) Hafellner & Kalb

[*Phylloporina atrocoerulea* (Müll.Arg.) Müll.Arg., *Porina atrocoerulea* Müll.Arg.]
source: Lücking (1999, 2008), Lücking & Matzer (2001); Bungartz, F. 7092 [CDS], Rivas Plata, E. 4085 B [CDS], Herrera-Campos, M.A. 10634 E [CDS], Bungartz, F. 7088 C [CDS], Bungartz, F. 7084 E [CDS]

Pseudosagedia cestrensis (Michener) R.C. Harris

[*Porina cestrensis* (Tuck. ex Michener) Müll.Arg., *Porina cestrensis var. cestrensis* (Tuck.) Müll. Arg., *Sagedia cestrensis* Tuck., *Trichothelium cestrense* (Michener) R.C. Harris, *Verrucaria cestrensis* Tuck. ex E. Michener]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 7312 B [CDS]

Pseudosagedia guentheri (Flot.) Hafellner & Kalb

[*Amphoridium koerberi* (Hepp) A. Massal., *Porina grandis var. lucens* Taylor, *Porina guentheri* (Flot.) Zahlbr., *Porina guentheri var. guentheri* (Flot.) Zahlbr., *Porina guentheri var. lucens* (Taylor) Swinscow, *Porina koerberi* (Flot.) Lettau, *Sagedia koerberi* (Flot.) Körb., *Sagedia koerberi f. koerberi* (Flot.) Körb., *Segestria koerberi* (Flot.) Hellb., *Spermatodium koerberi* (Flot.) Trevis., *Spermatodium koerberi var. guentheri* (Flot.) Trevis., *Trichothelium guentheri* (Flotow) R.C. Harris, *Verrucaria guentheri* Flot., *Verrucaria koerberi* Hepp]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 64025 [CDS]

Pseudosagedia nitidula (Müll. Arg.) Hafellner & Kalb

[*Phylloporina nitidula* (Müll.Arg.) Müll.Arg., *Phylloporina nitidula f. nitidula* (Müll.Arg.) Müll.Arg., *Phylloporina nitidula f. validior* Zahlbr., *Porina nitidula* Müll.Arg., *Trichothelium nitidulum* (Müll. Arg.) R.C. Harris]
source: Lücking (1999, 2008), van den Boom et al. (2022); Rivas Plata, E. 4085 A [CDS], Aptroot, A. 64216 [CDS], Bungartz, F. 8231 B [CDS], Nugra, F. 910 D2 [CDS], Nugra, F. 910 C3 [CDS]

Pseudoseptoria

Pseudoseptoria usneae (Vouaux) D. Hawksw.

[*Phoma usneae* Vouaux]
* = lichenicolous fungi (parasites on living lichens); on *Usnea* sp., source: Etayo (2017); J. Etayo 26688 [hb. Etayo]

Pseudospiropes

Pseudospiropes costaricensis (E.F. Morris) de Hoog & Arx

[*Pleurophragmium costaricense* E.F. Morris]
* = lichenicolous fungi (parasites on living lichens); on *Pseudocyphellaria aurata*, source: Etayo (2017); Etayo, J. 25631 [hb. Etayo]

Psilolechia

Psilolechia lucida (Ach.) Choisy

[*Biatora lucida* (Ach.) Fr., *Biatora lucida var. lucida* (Ach.) Fr., *Biatora lucida var. theiotea* (Ach.) Räsänen, *Lecidea lucida* Ach., *Lecidea lucida f. lucida* (Ach.) Ach., *Lecidea lucida f. theiotea* (Ach.) Zahlbr., *Lecidea lucida var. lucida* (Ach.) Ach., *Lecidea lucida var. theiotea* Ach., *Lichen lucidus* Ach., *Patellaria lucida* (Ach.) Spreng., *Patellaria theiotea* (Ach.) Wallr., *Patellaria theiotea var. lucida* (Ach.) Wallr.]
source: Nöske & Sipman (2004), Nöske et al. (2007); Aptroot, A. 65143 [CDS], Etayo, J. 25780 [hb. Etayo]

Psiloparmelia

Psiloparmelia distincta (Nyl.) Hale

[*Parmelia distincta* Nyl., *Parmelia distincta f. distincta* Nyl., *Xanthoparmelia distincta* (Nyl.) Hale]
source: Zahlbruckner (1905, 1907), Nash (1992), Cevallos (2012); T.H. Nash III 23789 [ASU], T.H. Nash III 23792 [ASU], T.H. Nash III 23793 [ASU], T.H. Nash III 23842 [ASU], T.H. Nash III 23852 [ASU], T.H. Nash III 23852 [ASU], T.H. Nash III 23791 [ASU], T.H. Nash III 23848 [ASU], T.H. Nash III 23792 [ASU], T.H. Nash III 23836 [ASU], T.H. Nash III 23835 [ASU], T.H. Nash III 23842 [ASU], T.H. Nash III 23789 [WIS], K. Kalb 18604 [WIS], K. Kalb 19289 [WIS], K. Kalb 19290 [WIS], H. H. Iltis & M. G. Iltis E-448 [US], R. C. Harris 17441 [US], R. M. King 7440 [US], R. M. King 7467 [US], K. & A. Kalb 1987-08-13 [LD]

Psiloparmelia flavobrunnea (Müll. Arg.) Elix & T.H. Nash

[*Parmelia flavobrunnea* Müll.Arg., *Xanthoparmelia flavobrunnea* (Müll.Arg.) Hale]
source: Nash (1992); L. Arvidsson 6313 [ASU]

Psiloparmelia norstictica Elix & T.H. Nash

source: Nash (1992)

Psora

Psora icterica (Mont.) Müll.Arg.

[*Biatora icterica* Mont., *Lecidea icterica* (Mont.) Taylor, *Schaereria icterica* (Mont.) Gyeln., *Schaereria icterica f. argentina* (Gyeln.) Gyeln., *Schaereria icterica f. icterica* (Mont.) Gyeln., *Schaereria icterica var. argentina* Gyeln., *Schaereria icterica var. icterica* (Mont.) Gyeln.]
R.C. Harris 17417 [ASU], Harris, Richard C 17417 [MSC], Harris, R. 17417 [MIN], R.C. Harris 17417 [WIS], K. Kalb 19126 [WIS], K. Kalb 19127 [WIS], R. Rosentreter 13,341 [SRP], K. Kalb & A. Kalb 1987-08-12 [UPS], Klaus Kalb s.n. [LSU], Richard C. Harris 17417 [MOR], R. Rosentreter 13341 [O], K. Kalb, A. Kalb 1987-08-12 [O]

Psora nipponica (Zahlbr.) Gotth. Schneider

[*Lecidea nipponica* Zahlbr., *Lecidea novomexicana* (B. de Lesd.) R.A. Anderson, *Psora novomexicana* B. de Lesd.]
source: Elix & McCarthy (1998), Castillo-Monroy et al. (2016)

Psoroglaena

Psoroglaena costaricensis Henssen

source: Nöske et al. (2007)

Psoroglaena cubensis Müll.Arg.

native, indigenous; Klara Scharnagl 2268 [MSC], Klara Scharnagl 2221 [MSC], Aptroot, A. 65534 [CDS], Bungartz, F. 3702 [CDS], Aptroot, A. 65695 [CDS], Aptroot, A. 63141 [CDS], Aptroot, A. 63838 [CDS], Aptroot, A. 63839 [CDS], Aptroot, A. 63842 [CDS]

Psoroglaena epiphylla Lücking

Klara Scharnagl 2040 [MSC]

Psoroglaena stigonemoides (Orange) Henssen

[*Leucocarpia stigonemoides* (Orange) Hafellner & Kalb, *Macentina stigonemoides* Orange]
source: Fernández-Prado et al. (2022); Aptroot, A. 63820 [CDS], Aptroot, A. 65552 [CDS]

Psoroma

Psoroma cinnamomeum Malme

Psoroma cinnamomeum subsp. andinum P.M. Jørg. & Palice

Holotype PRA, Soldán, Palice 4350, source: Jørgensen & Palice (2010); Z. Palice, Z. Soldán 4552 [BG]

Psoroma hypnorum (Vahl) Gray

[*Amphiloma hypnorum* (Vahl) Nägeli, *Courtoisia hypnorum* (Vahl) L. Marchand, *Lecanora hypnorum* (Vahl) Ach., *Lecanora hypnorum f. hypnorum* (Vahl) Ach., *Lichen hypnorum* Vahl, *Pannaria hypnorum* (Vahl) Körb., *Pannaria hypnorum f. hypnorum* (Vahl) Körb., *Pannaria hypnorum var. hypnorum* (Vahl) Körb., *Parmelia hypnorum* (Vahl) Ach., *Patellaria hypnorum* (Vahl) DC., *Squamaria hypnorum* (Vahl) Hook., *Trachyderma hypnorum* (Vahl) Norman, *Zeora hypnorum* (Vahl) Flot.]
source: Jørgensen & Arvidsson (2004), Cevallos (2012)

Psoroma macrosporum (P.M. Jørg. & Palice) P.M. Jørg.

[*Santessoniella macrospora* P.M. Jørg. & Palice]
Holotype PRA, Palice 2750, source: Jørgensen & Palice (2010)

Psoroma paleaceum (Fr.) Nyl.

[*Lecanora paleacea* (Fr.) Hook. & Taylor, *Parmelia paleacea* Fr., *Psora paleaceum* (Fr.) Nyl., *Psoroma coralloideum* Nyl., *Psoroma hypnorum var. coralloideum* Nyl., *Psoroma hypnorum var. paleaceum* (Fr.) Rostr.]
source: Jørgensen & Palice (2010)

Psoroma tenue Henssen

source: Jørgensen & Palice (2010)

Psorotheciopsis

Psorotheciopsis albomaculans (Rehm) R. Sant.

[*Linhartia albomaculans* (Rehm) Sacc. & P. Syd., *Tapesia albomaculans* Rehm]
source: Lücking (1999, 2008)

Psorotheciopsis guajalitensis Lücking

Holotype QCNE, Lücking 96-181, source: Lücking (1999, 2008); R. Lücking 96-181 [WIS], R. Lücking 96-181 [F], Lücking, Robert 96-181 [DUKE], Robert Lücking 184 [UPS], Lucking, R. 96-181 [CANB], R. Lücking 96-181 [INABIOEC-MECN-QCNE], Lücking, R. 96-181 [INABIOEC-MECN-QCNE]

Psorotheciopsis patellarioides (Rehm) R. Sant.

[*Calloria patellarioides* Rehm, *Catillaria patellarioides* (Rehm) R. Sant. ex Thorold, *Linhartia patellarioides* (Rehm) Vězda]
source: Lücking (1999, 2008)

Psorotheciopsis philippinensis (Rehm) Lücking

[*Linhartia philippinensis* Rehm, *Microphiale philippinensis* (Rehm) Zahlbr.]
source: Lücking (1999, 2008), van den Boom et al. (2022)

Psorotichia

Psorotichia hassei Fink ex J. Hedrick

preliminary identification, the only specimen (Bungartz, F. 6122) was determined by M. Schultz as "cf."; Bungartz, F. 6122 [CDS]

Psorotichia murorum A. Massal.

[*Collemopsis murorum* (A. Massal.) Stizenb.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, first erroneously identified as *Psorotichia schaereri* by M. Schultz in 2006, source: Schultz & Aptroot (2008); Bungartz, F. 3967 [CDS]

Pterygiopsis

Pterygiopsis guyanensis M. Schultz, Porembski & Büdel

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 7272 [CDS]

Puiggariella

Puiggariella nemathora (Mont.) S.H. Jiang, Lücking & J.C. Wei

[*Strigula nemathora* Mont., *Strigula nemathora f. hypothelia* (Nyl.) Lücking, *Strigula nemathora f. nemathora* Mont., *Strigula nemathora var. hypothelia* (Nyl.) R. Sant., *Strigula nemathora var. nemathora* Mont.]
source: Lücking (1999, 2008), Lücking & Matzer (2001), van den Boom et al. (2022)

Punctelia

Punctelia borreri (Sm.) Krog

[*Imbricaria borreri* (Sm.) Körb., *Lichen borreri* Sm., *Parmelia borreri* (Sm.) Turner, *Parmelia borreri f. borreri* (Sm.) Turner, *Parmelia borreri var. borreri* (Sm.) Turner, *Parmelia borreri var. pseudoborreri* (Asahina) Targé & Lambinon, *Parmelia pseudoborreri* Asahina]
source: Ochoa-Jiménez et al. (2015), van den Boom et al. (2022)

Punctelia colombiana Sérus.

source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), van den Boom et al. (2022); K. Kalb 18539 [WIS], K. Kalb 18538 [WIS], K. Kalb 18537 [WIS], K. Kalb 18534 [WIS], K. Kalb 18517 [WIS]

Punctelia constantimontium Sérus.

source: van den Boom et al. (2022); Etayo, J. 26247 [hb. Etayo]

Punctelia crispa Marcelli, Jungbluth & Elix

source: Benítez et al. (2012; as *Punctelia* aff. *crispa*), Benítez et al. (2015), Benítez (2016); Benítez, A. 379 [HUTPL]

Punctelia hypoleucites (Nyl.) Krog

[*Parmelia borreri subsp. hypoleucites* (Nyl.) Nyl., *Parmelia hypoleucites* Nyl.]
source: van den Boom et al. (2022)

Punctelia oxyspora (Tul.) Divakar, A. Crespo & Lumbsch

[*Abrothallus oxysporus* Tul., *Biatora oxyspora* (Tul.) Tuck., *Epithallia oxyspora* (Tul.) Nyl., *Lecidea oxyspora* (Tul.) Nyl., *Lecidea oxyspora var. oxyspora* (Tul.) Nyl., *Nesolechia fusca* (Triebel & Rambold) Pérez-Ortega, *Nesolechia oxyspora* (Tul.) A. Massal., *Nesolechia oxyspora var. fusca* (Triebel & Rambold) Diederich, *Phacopsis fusca* (Triebel & Rambold) Diederich, *Phacopsis oxyspora* (Tul.) Triebel & Rambold, *Phacopsis oxyspora var. fusca* Triebel & Rambold, *Phacopsis oxyspora var. oxyspora* (Tul.) Triebel & Rambold, *Scutula oxyspora* (Tul.) P. Karst.]
* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp., *Xanthoparmelia* cf. *microspora*, *Parmotrema reticulatum*, *Punctelia stictica*, *Hypotrachyna sinuosa*, *Punctelia reducta*, *Everniastrum* sp., and *Parmotrema* sp.; also parasitized by *Stigmidium epinesolechia*, name not well resolved; based on molecular evidence, Divakar et al. (2017) placed *Nesolechia*, a genus of lichenicolous fungi, in synonymy with *Punctelia*, a well known genus, mostly comprised of large foliose lichens; since *Nesolechia* A. Massal. 1856 is the older name, but the lichenicolous fungi in the genus *Nesolechia* remain poorly known, Divakar et al. (2017), proposed to conserve *Punctelia* Krog 1982 against *Nesolechia*, and consequently transferred the type species *N. oxyspora* into *Punctelia*, source: Etayo (2017), van den Boom et al. (2022); Etayo, J. 17336 [hb. Etayo], Etayo, J. 20057 [hb. Etayo], Etayo, J. 20061 [hb. Etayo], Etayo, J. 20062 [hb. Etayo], Etayo, J. 20112 [hb. Etayo], Etayo, J. 20118 [hb. Etayo], Etayo, J. 25402 [hb. Etayo], Etayo, J. 25498 [hb. Etayo], Etayo, J. 25658 [hb. Etayo], Etayo, J. 25661 [hb. Etayo], Etayo, J. 25934 [hb. Etayo], Etayo, J. 17287 [hb. Etayo], J. Etayo 26670 [hb. Etayo]

Punctelia reddenda (Stirton) Krog

[*Parmelia borreri var. reddenda* (Stirt.) Boistel, *Parmelia reddenda* Stirt.]
source: Benítez et al. (2012; as *Punctelia* aff. *reddenda*), Benítez et al. (2015), Chuquimarca et al. (2019), van den Boom et al. (2022); Benítez, A. 380 [HUTPL]

Punctelia rudecta (Ach.) Krog

[*Imbricaria rudecta* (Ach.) Jatta, *Parmelia borreri subsp. rudecta* (Ach.) Fink, *Parmelia borreri var. rudecta* (Ach.) Tuck., *Parmelia rudecta* Ach., *Parmelia rudecta f. rudecta* Ach., *Parmelia rudecta var. rudecta* Ach.]
parasitized by *Pronectria oligospora, Nesolechia oxyspora, Abrothallus parmeliarum, Didymocyrtis melanelixiae, Lichenoconium usneae, Stigmidium epinesolechia* and *Lichenoconium erodens*, source: Etayo (2017), González et al. (2019), Chuquimarca et al. (2019),van den Boom et al. (2022); Culberson, William, L.... 20124 [DUKE], Etayo, J. 20035 [hb. Etayo], Etayo, J. 20087 [hb. Etayo], Etayo, J. 20111 [hb. Etayo], Etayo, J. 25828 [hb. Etayo]

Punctelia stictica (Delise ex Duby) Krog

[*Imbricaria borreri var. stictica* (Delise ex Duby) Flot., *Parmelia borreri var. stictica* Delise ex Duby, *Parmelia dubia var. stictica* (Delise ex Duby) Schaer., *Parmelia stictica* (Delise ex Duby) Nyl., *Parmotrema sticticum* (Delise ex Duby) M. Choisy]
parasitized by *Rinodina conradii, Nesolechia oxyspora* & *Lichenohendersonia uniseptata*, source: Zahlbruckner (1905, 1907; as *Parmelia dubia* var. *stictica* Zahlbr. - *Parmelia borreri* var. *stictica* Delise ex Duby), Sklenář et al. (2010; as *P.* cf. *stictica*), Etayo (2017), van den Boom et al. (2022; as *P.* cf. *stictica*); T.H. Nash III 23814 [ASU], T.H. Nash III 23831 [ASU], Harris, R. 17377 [MIN], Richard C Harris 17068 [WIS], Richard C. Harris 17059 [MOR], William A Weber s.n. [hb. Esslinger], A. Arvidsson... 2705 [US], Erik Asplund L 90 [S], Erik Asplund L 134 [S], L. Holm-Nielsen... 1069 [S], J. Etayo 17266 [hb. Etayo], Etayo, J. 25661 [hb. Etayo], Etayo, J. 25666 [hb. Etayo], Etayo, J. 25805 [hb. Etayo], Etayo, J. 25834 [hb. Etayo]

Punctelia subpraesignis (Nyl.) Krog

[*Parmelia subpraesignis* Nyl.]
source: van den Boom et al. (2022); Alice Johannsen 11 [WIS]

Punctelia subrudecta (Nyl.) Krog

[*Parmelia borreri var. subrudecta* (Nyl.) Clauzade & Cl. Roux, *Parmelia dubia var. foliosa* B. de Lesd., *Parmelia subrudecta* Nyl., *Parmelia subrudecta f. subrudecta* Nyl., *Parmelia subrudecta var. subrudecta* Nyl.]
source: Davey (1999), Cevallos (2012), Chuquimarca et al. (2019)

Punctelia toxodes (Stirt.) Kalb & M. Götz

[*Parmelia toxodes* Stirt.]
K. Kalb 19475 [WIS], K. Kalb 18529 [WIS], K. Kalb 18448 [WIS]

Pycnotrema

Pycnotrema pycnoporellum (Nyl.) Rivas Plata & Lücking

[*Myriotrema pycnoporellum* (Nyl.) Hale, *Thelotrema pycnoporellum* Nyl.]
source: Nöske et al. (2007)

Pygmaeosphaera

Pygmaeosphaera coccocarpiae (Diederich) Etayo & Diederich

[*Nectriopsis coccocarpiae* Diederich]
* = lichenicolous fungi (parasites on living lichens); on *Coccocarpia domingensis*, source: Etayo (2017)

Pygmaeosphaera epigraphis Etayo & Sipman

* = lichenicolous fungi (parasites on living lichens); on *Graphis* cf. *angustata*, Holotype B, Sipman 53081a, source: Etayo (2017)

Pygmaeosphaera sipmaniana Etayo

* = lichenicolous fungi (parasites on living lichens); on *Parmeliella delicata*, Holotype B, Sipman 52171, source: Etayo (2017)

Pyrenidium

Pyrenidium actinellum Nyl.

[*Dacampiosphaeria rivana* (De Not.) D. Hawksw., *Didymosphaeria neottizans* (Leight.) A.L. Sm., *Leptosphaeria baeomycearia* (Linds.) Sacc. & Trotter, *Leptosphaeria caninae* (W. Phillips & Plowr.) Sacc., *Leptosphaeria leucomelaria* (Mudd) Vouaux, *Leptosphaeria neottizans* (Leight.) Zopf, *Leptosphaeria oligospora* (Vain.) Sacc. & D. Sacc., *Leptosphaeria rivana* (De Not.) Sacc., *Leptosphaeria rivana f. rivana* (De Not.) Sacc., *Leptosphaeria rivana f. solorinae* Rehm, *Microthelia baeomycearia* Linds., *Phaeospora baeomycearia* (Linds.) Arnold, *Phaeospora leucomelaria* (Mudd) Sacc. & P. Syd., *Pyrenidiomyces actinelli* Cif. & Tomas., *Pyrenidium rivanum* (De Not.) Nav.-Ros., Cl. Roux & Diederich, *Pyrenidum actinellum* Nyl., *Sphaeria caninae* Plowr. & W. Phillips, *Sphaeria leucomelaria* Mudd, *Sphaeria rivana* De Not., *Tichothecium leucomelarium* (Mudd) Berl. & Voglino, *Trypethelium peltigereum* G. Merr., *Verrucaria neottizans* Leight.]
* = lichenicolous fungi (parasites on living lichens); on *Peltigera* sp., source: Etayo (2017); R. C. Harris 17009-A [NY], R. Rosentreter 13,326 [SRP], Etayo, J. 25522 [hb. Etayo]

Pyrenidium hypotrachynae Y. Joshi

Etayo, J. 20055 [hb. Etayo], J. Etayo 25344 [hb. Etayo]

Pyrenidium santessonii Lücking

* = lichenicolous fungi (parasites on living lichens); on *Bapalmuia* sp., source: Lücking (1999)

Pyrenidium zamiae (Müll. Arg.) Matzer

[*Ocellularia zamiae* Müll.Arg., *Phyllophthalmaria zamiae* (Müll. Arg.) Zahlbr.]
* = lichenicolous fungi (parasites on living lichens); on *Porina* sp., source: Lücking (1999)

Pyrenocollema

Pyrenocollema halodytes (Nyl.) R.C. Harris

[*Arthopyrenia consequens* (Nyl.) Arnold, *Arthopyrenia consequens var. halodytes* (Nyl.) H. Olivier, *Arthopyrenia gyalectoides* M. Knowles ex A.L. Sm., *Arthopyrenia halodytes* (Nyl.) Arnold, *Arthopyrenia halodytes f. fusca* B. de Lesd., *Arthopyrenia halodytes f. halodytes* (Nyl.) Arnold, *Arthopyrenia halodytes var. halodytes* (Nyl.) Arnold, *Arthopyrenia halodytes var. hollii* A.L. Sm., *Arthopyrenia halodytes var. tenuicula* (Wedd.) H. Olivier, *Arthopyrenia kelpii* Körb., *Collemopsidium halodytes* (Nyl.) Grube & B.D. Ryan, *Collemopsidium halodytes* (Nyl.) Grube & B.D. Ryan nom. inval., *Leiophloea halodytes* (Nyl.) Trevis., *Paraphysothele halodytes* (Nyl.) Keissl., *Paraphysothele halodytes f. fusca* (B. de Lesd.) Keissl., *Paraphysothele halodytes f. halodytes* (Nyl.) Keissl., *Paraphysothele halodytes f. tenuicula* (Wedd.) Keissl., *Pseudarthopyrenia gyalectoides* (M. Knowles ex A.L. Sm.) Keissl., *Thelidium halodytes* (Nyl.) Erichsen, *Thelidium halodytes f. halodytes* (Nyl.) Erichsen, *Thelidium halodytes f. tenuiculum* (Wedd.) Erichsen, *Verrucaria consequens* Nyl., *Verrucaria fluctigena* Nyl., *Verrucaria halodytes* Nyl., *Verrucaria kelpii* (Körb.) Sandst., *Verrucaria litoralis var. consequens* (Nyl.) Wedd., *Verrucaria litoralis var. halodytes* (Nyl.) Wedd., *Verrucaria litoralis var. tenuicula* Wedd.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 65631 [CDS], Aptroot, A. 64747 [CDS]

Pyrenographa

Pyrenographa irregularis (Wehm.) R.C. Harris

[*Phaeopeltosphaeria irregularis* Wehm.]
+ = saprophytic fungi related to either lichens or lichenicolous fungi, on various substrates, native, indigenous, a possible synonym is *Pyrenographa xylographoides* Aptroot (with submuriform spores, see comments in Harris 1995); basionym: *Phaeopeltosphaeria irregularis* Wehmeyer; Type. ECUADOR. Galapagos: South Seymour Island, on dead, decorticated wood of *Bursera graveolens*, 6 Sep 1945, Martin 6251 (NY, isotype), source: Aptroot (1991, as *Pyrenographa xylographoides*), Harris (1995), Martin (1948)

Pyrenopsis

Pyrenopsis portoricensis Zahlbr.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 5224 [CDS], Bungartz, F. 6006 [CDS], Bungartz, F. 5241 [CDS]

Pyrenothrix

Pyrenothrix nigra Riddle

[*Lichenothrix riddlei* Henssen, *Pleosphaeria lichenothricis* Henssen]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 7057 E [CDS], Aptroot, A. 64709 C [CDS], Bungartz, F. 7059 B [CDS]

Pyrenula

Pyrenula adacta Fée

[*Parathelium martinicanum* Vain., *Pyrenula caraibica* Aptroot & Etayo, *Pyrenula marginatula* Müll.Arg., *Pyrenula martinicana* (Vain.) R.C. Harris]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, synonyms in Aptroot (2012); Bungartz, F. 10436 [CDS], Bungartz, F. 8317 [CDS], Aptroot, A. 64642 [CDS], Aptroot, A. 65436 [CDS]

Pyrenula aggregata (Fée) Fée

[*Melanotheca aggregata* (Fée) Müll. Arg., *Pyrenula costaricensis* Müll.Arg., *Spermatodium aggregatum* (Fée) Trevis., *Verrucaria aggregata f. aggregata* Fée]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, synonyms in Aptroot (2012); Aptroot, A. 63179 [CDS], Bungartz, F. 6897 [CDS], Aptroot, A. 64687 [CDS], Aptroot, A. 63140 [CDS]

Pyrenula andina Aptroot

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 383 [HUTPL]

Pyrenula anomala (Ach.) Vain.

[*Melanotheca achariana* Fée, *Melanotheca anomala* (Ach.) A. Massal., *Mycoporum anomalum* (Ach.) Trevis., *Pyrenula achariana* (Fée) Vain., *Pyrenula achariana var. achariana* (Fée) Vain., *Pyrenula achariana var. angolensis* Vain., *Trypethelium anomalum* Ach., *Trypethelium anomalum f. anomalum* Ach., *Trypethelium anomalum var. anomalum* Ach., *Trypethelium anomalum var. leucostomum* Nyl., *Trypethelium anomalum var. obscurescens* (Vain.) Zahlbr.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, synonyms in Aptroot (2012); Aptroot, A. 65182 [CDS], Nugra, F. 62 [CDS]

Pyrenula aspistea (Afzel. ex Ach.) Ach.

[*Polyblastia aspistea* (Afzel. ex Ach.) Trevis., *Pyrenula aquila* R.C. Harris, *Pyrenula nitida var. aspistea* (Afzel. ex Ach.) Trevis., *Verrucaria aspistea* Afzel. ex Ach., *Verrucaria nitida subsp. aspistea* (Afzel. ex Ach.) Nyl.]
source: Fernández-Prado et al. (2022); A. Aptroot 11208 [NY], A. Aptroot 10698 [NY], Klara Scharnagl 2229 [MSC], Klara Scharnagl 2102b [MSC], Ertz, D. 11734 [CDS]

Pyrenula astroidea (Fée) R.C. Harris

[*Heufleria pentagrastica* Müll. Arg., *Heufleridium pentagastricum* (Müll. Arg.) Müll. Arg., *Parmentaria astroidea* Fée, *Verrucaria aspistea var. astroidea* (Fée) Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, synonyms in Aptroot (2012), source: Weber (1986), Elix & McCarthy (1998); Aptroot, A. 64640 [CDS], Bungartz, F. 6627 [CDS], Bungartz, F. 8305 [CDS], Aptroot, A. 63986 [CDS], Aptroot, A. 65312 [CDS], Bungartz, F. 5622 [CDS], Bungartz, F. 6266 [CDS], Rivas Plata, E. 4074 [CDS], Miranda, R. 949 [CDS], Bungartz, F. 10138 [CDS], Yánez-Ayabaca, A. 1731A [CDS], Yánez-Ayabaca, A. 1762 [CDS], Aptroot, A. 64639 [CDS], Aptroot, A. 63977 [CDS], Aptroot, A. 64624 [CDS], Aptroot, A. 64641 [CDS], Rivas Plata, E. 4073 [CDS], Bungartz, F. 10127 B [CDS], Bungartz, F. 9292 C [CDS], Yánez-Ayabaca, A. 1847 [CDS], Yánez-Ayabaca, A. 1733 [CDS]

Pyrenula bahiana Malme

[*Pyrenula crystalligera* H. Magn.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, all Galapagos specimens have 3-septate spores and belong to *P. bahiana* (Aptroot 2012), not as previously reported by Weber (1993) as *P. concatervans*; specimens in COLO: Santa Cruz: Herre 41 (L-41177), Weber (L-40220), Itow (L-40728), Fernandina: Cavagnaro (L-40469), Floreana: Weber & Lanier (L-62944), source: Weber (1993; as *Pyrenula concatervans*), Aptroot (2012); Aptroot, A. 63336 [CDS], Bungartz, F. 5090 [CDS], Bungartz, F. 7673 [CDS], Bungartz, F. 6916 [CDS], Bungartz, F. 7579 [CDS], Bungartz, F. 7689 [CDS], Bungartz, F. 4663 [CDS], Nugra, F. 185 [CDS], Bungartz, F. 10290 [CDS], Bungartz, F. 9292 B [CDS], Bungartz, F. 9274 [CDS], Bungartz, F. 9832 [CDS], Bungartz, F. 9465 [CDS], Bungartz, F. 9347 [CDS], Bungartz, F. 9284 [CDS], Bungartz, F. 9299 [CDS], Bungartz, F. 10127 A [CDS], Aptroot, A. 65118 B [CDS]

Pyrenula balia (Krempelh.) R.C. Harris

[*Pseudopyrenula balia* (Kremp.) Müll. Arg., *Pyrenula santensis* (Eschw.) Müll.Arg., *Verrucaria balia* Kremp., *Verrucaria marginata var. santensis* Nyl., *Verrucaria santensis* (Nyl.) Nyl.]
Klara Scharnagl 2179 [MSC]

Pyrenula breutelii (Müll.Arg.) Aptroot

[*Anthracothecium breutelii* Müll.Arg., *Anthracothecium maculare* Zahlbr., *Pyrenula macularis* (Zahlbr.) R.C. Harris]

source: van den Boom et al. (2022); Miranda, R. 959 B [CDS], Bungartz, F. 5918 [CDS], Bungartz, F. 7004 [CDS], Aptroot, A. 63018 [CDS], Nugra, F. 595 [CDS], Bungartz, F. 5699 [CDS], Spielmann, A.A. 8222 [CDS], Nugra, F. 575 [CDS], Bungartz, F. 9144 [CDS], Bungartz, F. 9051 [CDS], Bungartz, F. 5696 [CDS], Bungartz, F. 9055 [CDS], Aptroot, A. 65612 [CDS], Bungartz, F. 6200 [CDS], Bungartz, F. 5118 [CDS], Bungartz, F. 5985 [CDS], Miranda, R. 971 [CDS], Bungartz, F. 3352 [CDS], Rivas Plata, E. 4018 [CDS], Aptroot, A. 63968 [CDS], Bungartz, F. 5101 [CDS], Miranda, R. 950 [CDS], Miranda, R. 957 [CDS], Miranda, R. 956 A [CDS], Aptroot, A. 64342 A [CDS], Miranda, R. 970 [CDS], Bungartz, F. 9263 [CDS], Yánez-Ayabaca, A. 1966 [CDS], Bungartz, F. 9727 A [CDS], Yánez-Ayabaca, A. 1793 [CDS], Bungartz, F. 9725 D [CDS], Bungartz, F. 5184 [CDS], Yánez-Ayabaca, A. 1833 [CDS], Bungartz, F. 3715 B [CDS]

Pyrenula cerina Eschw.

synonyms in Aptroot (2012), source: Farlow (1902), Weber (1966, 1986), Elix & McCarthy (1998), Déleg et al. (2021); G. Follmann s.n. [WIS], Bungartz, F. 5654 [CDS], Bungartz, F. 8384 [CDS], Aptroot, A. 65608 [CDS], Bungartz, F. 5984 [CDS], Segura, D. s.n. [CDS], Herrera-Campos, M.A. 10731 [CDS], Nugra, F. 104 [CDS], Jaramillo, P. 3011 B [CDS], Bungartz, F. 7221 [CDS], Aptroot, A. 65013 [CDS], Aptroot, A. 63446 A [CDS], Bungartz, F. 7447 [CDS], Bungartz, F. 6201 [CDS], Ertz, D. 11541 [CDS], Nugra, F. 94 [CDS], Weber, W.A. s.n. [CDS], Aptroot, A. 63016 [CDS], Bungartz, F. 6449 [CDS], Bungartz, F. 7954 [CDS], Bungartz, F. 6116 [CDS], Bungartz, F. 5260 [CDS], Bungartz, F. 6995 [CDS], Bungartz, F. 3339 [CDS], Truong, C. 1284 [CDS], Herrera-Campos, M.A. 10727 [CDS], Truong, C. 1263 [CDS], Bungartz, F. 6355 [CDS], Bungartz, F. 7006 [CDS], Bungartz, F. 5029 [CDS], Jaramillo, P. 2969 [CDS], Simbaña, W. 530 [CDS], Bungartz, F. 6144 [CDS], Yánez-Ayabaca, A. 1560 [CDS], Yánez-Ayabaca, A. 1583 [CDS], Bungartz, F. 9395 [CDS], Bungartz, F. 9519 [CDS], Bungartz, F. 9927 [CDS], Bungartz, F. 10095 [CDS], Bungartz, F. 10289 [CDS], Yánez-Ayabaca, A. 1791 [CDS], Yánez-Ayabaca, A. 1989 [CDS], Yánez-Ayabaca, A. 2008 [CDS], Yánez-Ayabaca, A. 2012 [CDS], Bungartz, F. 10096 [CDS], Bungartz, F. 10083 [CDS], Bungartz, F. 9915 [CDS], Bungartz, F. 9774 [CDS], Bungartz, F. 8867 [CDS], Bungartz, F. 9020 [CDS], Bungartz, F. 9197 [CDS], Bungartz, F. 8879 [CDS], Bungartz, F. 8967 [CDS], Bungartz, F. 9068 [CDS], Spielmann, A.A. 8248 [CDS], Spielmann, A.A. 8252 [CDS], Spielmann, A.A. 8165 [CDS], Nugra, F. 892 A [CDS], Tehler, A. 8636 [CDS], Bungartz, F. 9419 C [CDS], Bungartz, F. 10484 [CDS], Bungartz, F. 10488 [CDS], Bungartz, F. 10511 [CDS]

Pyrenula chilensis (Fée) R.C. Harris

[*Parmentaria chilensis* Fée]
source: van den Boom et al. (2022)

Pyrenula cocoes Müll.Arg.

F. Bungartz & R. Miranda: most previous reports were based on misidentifications, but two specimens belong to *P. cocoës*, source: synonyms in Aptroot (2012), Fernández-Prado et al. (2022); Aptroot, A. 64686 [CDS], Aptroot, A. 63218 A [CDS]

Pyrenula complanata (Mont.) Trevis.

[*Spermatodium complanatum* (Mont.) Trevis., *Verrucaria complanata* Mont.]
source: van den Boom et al. (2022)

Pyrenula confinis (Nyl.) R.C. Harris

[*Anthracothecium confine* (Nyl.) Müll.Arg., *Anthracothecium corticatum* Müll.Arg., *Bottaria confinis* (Nyl.) Vain., *Pyrenula corticata* (Müll. Arg.) R.C. Harris, *Sporodictyon confine* (Nyl.) Trevis., *Verrucaria confinis* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, synonyms in Aptroot (2012); Aptroot, A. 63247 [CDS], Bungartz, F. 8402 [CDS], Bungartz, F. 9647 [CDS], Bungartz, F. 10016 [CDS], Aptroot, A. 63250 [CDS]

Pyrenula cruenta (Mont.) Vain.

[*Melanotheca connivens* (Stirt.) Zahlbr., *Melanotheca cruenta* (Mont.) Müll.Arg., *Melanotheca ornata* Müll.Arg., *Melanotheca rubra* (C. Knight) C. Knight, *Melanotheca subincruenta* (Nyl.) Zahlbr., *Pyrenula circumrubens* (Nyl.) B. de Lesd., *Pyrenula circumrubens var. circumrubens* (Nyl.) B. de Lesd., *Pyrenula circumrubens var. rubrotecta* (Stirt.) Shirley, *Stromatothelium cruentum* (Mont.) Trevis., *Trypethelium cinnabarinum* C. Knight ex F.M. Bailey, *Trypethelium connivens* Stirt., *Trypethelium cruentatum* Nyl., *Trypethelium cruentum* Mont., *Trypethelium cruentum var. subdecolor* Nyl., *Trypethelium rubescens* C. Knight, *Trypethelium rubrum* C. Knight, *Trypethelium subincruentum* Nyl., *Verrucaria circumrubens* Nyl., *Verrucaria circumrubens var. circumrubens* Nyl., *Verrucaria circumrubens var. rubrotecta* Stirt.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, synonyms in Aptroot (2012), source: Elix & McCarthy (1998), Weber (1986); Ertz, D. 11603 [CDS], Bungartz, F. 3899 [CDS], Bungartz, F. 4419 [CDS], Bungartz, F. 7118 [CDS], Aptroot, A. 64782 [CDS], Aptroot, A. 64593 [CDS], Aptroot, A. 65606 [CDS], Clerc, P. 08-31 [CDS], Bungartz, F. 8643 [CDS], Bungartz, F. 8007 [CDS], Bungartz, F. 4942 [CDS], Spielmann, A.A. 10727 [CDS], Bungartz, F. 8554 B [CDS]

Pyrenula cryptothelia (Müll. Arg.) Aptroot & Etayo

[*Astrothelium cryptothelium* (Müll. Arg.) Nyl., *Pyrenastrum cryptothelium* Müll. Arg.]
source: Déleg et. al (2021); A. Aptroot 10607 [NY]

Pyrenula cubana (Müll. Arg.) R.C. Harris

[*Pyrenastrum cubanum* Müll. Arg.]
source: Nöske et al. (2007), van den Boom et al. (2022)

Pyrenula decumbens (Müll. Arg.) Upreti

[*Lithothelium decumbens* (Müll.Arg.) Aptroot, *Parathelium decumbens* Müll. Arg.]
source: van den Boom et al. (2022)

Pyrenula dermatodes (Borrer) Schaer.

[*Pseudopyrenula galactina* Shirley, *Pyrenula achroopora* (Nyl.) Arnold, *Pyrenula glabratula* (Nyl.) Arnold, *Pyrenula lucifera* R.C. Harris, *Pyrenula nitida var. dermatodes* (Borrer) Trevis., *Verrucaria achroopora* Nyl., *Verrucaria dermatodes* Borrer, *Verrucaria glabrata var. dermatodes* (Borrer) Leight., *Verrucaria glabratula* Nyl., *Verrucaria nitida var. dermatodes* (Borrer) Leight.]
source: Nöske & Sipman (2004), Nöske et al. (2007); Bungartz, F. 6903 [CDS], Aptroot, A. 64662 [CDS], Aptroot, A. 63178 [CDS], Nugra, F. 63 [CDS], Bungartz, F. 7548 [CDS]

Pyrenula duplicans (Nyl.) Aptroot

[*Anthracothecium duplicans* (Nyl.) Müll.Arg., *Verrucaria duplicans* Nyl.]
Klara Scharnagl 2180b [MSC]

Pyrenula erumpens R.C. Harris

[*Parathelium emergens* Nyl. ex Müll. Arg.]
source: Benítez (2016); Benítez et al. (2019); Aptroot, A. 64638 [CDS]

Pyrenula fetivica (Krempelh.) Müll.Arg.

[*Pyrenula citriformis* R.C. Harris, *Pyrenula sandwicensis* Zahlbr., *Pyrenula subcongruens* Müll.Arg., *Verrucaria fetivica* Kremp.]
synonyms in Aptroot (2012), source: Benítez et al. (2019; as *Pyrenula subcongruens*), van den Boom et al. (2022); Bungartz, F. 4989 [CDS], Benítez, A. 68 [HUTPL]

Pyrenula flavoinspersa Aptroot & Sipman

Holotype B 600128515, source: Aptroot et al. (2012), Aptroot & Sipman (2013)

Pyrenula hirsuta Etayo

source: Vega et al. (2021)

Pyrenula immissa (Stirt.) Zahlbr.

[*Verrucaria immissa* Stirt.]
source: Benítez et al. (2019); Benítez, A. 65 [HUTPL]

Pyrenula mamillana (Ach.) Trevisan

[*Pyrenula kunthii* (Fée) Fée, *Pyrenula marginata* Hook., *Pyrenula marginata var. fulva* (Kremp.) Overeem, *Pyrenula marginata var. marginata* Hook., *Trypethelium ocellatum* Zenker, *Verrucaria kunthii* Fée, *Verrucaria mamillana* Ach., *Verrucaria marginata* (Hook. f.) Hepp, *Verrucaria marginata var. convexa* Nyl., *Verrucaria marginata var. fulva* Kremp., *Verrucaria marginata var. marginata* (Hook. f.) Hepp]
source: Benítez et al. (2015; as *Pyrenula* aff. *mamillana*); Klara Scharnagl 2102a [MSC], Benítez, A. 382 [HUTPL]

Pyrenula massariospora (Starbäck) R.C. Harris

[*Clypeosphaeria massariospora* Starbäck, *Pseudopyrenula majuscula* H. Magn., *Starbaeckiella massariospora* (Starbäck) Syd. & P. Syd.]
synonyms in Aptroot (2012), source: van den Boom et al. (2022); Bungartz, F. 5589 [CDS], Nugra, F. 139 [CDS], Hillmann, G. GAL-44 [CDS], Hillmann, G. GAL-47 [CDS], Aptroot, A. 65118 A [CDS], Bungartz, F. 4206 [CDS]

Pyrenula mastophoroides (Nyl.) Zahlbr.

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 389 [HUTPL]

Pyrenula microcarpa Müll.Arg.

source: Benítez et al. (2015), Benítez (2016)

Pyrenula microtheca R.C. Harris

[*Parathelium microcarpum* Riddle]
source: Benítez et al. (2015), Benítez (2016), van den Boom et al. (2022); Benítez, A. 391 [HUTPL]

Pyrenula minoides Aptroot & Sipman

source: Aptroot et al. (2013)

Pyrenula montocensis Lücking

source: van den Boom et al. (2022)

Pyrenula neosandwicensis Aptroot

[*Anthracothecium sandwicense* Zahlbr.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, synonyms in Aptroot (2012); in Galapagos previously treated as *P.* aff. *duplicans*; not indentical with *Pyrenula sandwicensis* Zahlbr., which is a synonym of *P. fetivica* (Kempelh.) Müll. Arg.; Bungartz, F. 9292 A [CDS], Bungartz, F. 9449 [CDS], Ertz, D. 11735 [CDS], Miranda, R. 953 [CDS], Aptroot, A. 63799 [CDS], Hillmann, G. GAL-23 [CDS], Bungartz, F. 3907 [CDS], Nugra, F. 235 [CDS]

Pyrenula nitidula (Bres.) R.C. Harris

[*Melanomma nitidulum* Bres., *Pyrenula plittii* R.C. Harris]
synonyms in Aptroot (2012), source: Benítez et al. (2015; as *Pyrenula* cf. *nititula*), van den Boom et al. (2022); Bungartz, F. 6660 [CDS]

Pyrenula ochraceoflava (Nyl.) R.C. Harris

[*Anthracothecium ochraceoflavum* (Nyl.) Müll. Arg., *Pyrenula ochraceoflava var. pacifica* P.M. McCarthy, *Sporodictyon ochraceoflavum* (Nyl.) Trevis., *Verrucaria ochraceoflava* Nyl., *Verrucaria ochraceoflava f. ochraceoflava* Nyl.]
synonyms listed in Aptroot (2012), but note that according to Miranda et al. (2022) *P. ochraceoflava* remains a poorly resolved species complex, in Mexico specimens with parietin, in Brazil and the Cook Islands with 7-chloroemodin, but in the Galapagos characterized by traces of fragilin, atranorin and norstictic acid; most Galapagos specimens have the larger spores of *P. ochraceoflava*, few may belong to *P. ochraceoflavens*, source: Stewart (1912), Weber (1966, 1986), Elix & McCarthy (1998), Benítez (2016), Benítez et al. (2019), van den Boom et al. (2022); Simbaña, W. 538 [CDS], Bungartz, F. 5403 [CDS], Aptroot, A. 64775 [CDS], Bungartz, F. 3636 [CDS], Bungartz, F. 3358 [CDS], Bungartz, F. 6399 [CDS], Bungartz, F. 6040 [CDS], Bungartz, F. 6067 [CDS], Bungartz, F. 6161 [CDS], Bungartz, F. 5651 [CDS], Bungartz, F. 6260 [CDS], Aptroot, A. 64076 [CDS], Bungartz, F. 5794 [CDS], Bungartz, F. 5087 [CDS], Bungartz, F. 4358 [CDS], Bungartz, F. 4367 [CDS], Bungartz, F. 4662 [CDS], Bungartz, F. 4471 [CDS], Bungartz, F. 4463 [CDS], Bungartz, F. 4470 [CDS], Bungartz, F. 6020 [CDS], Bungartz, F. 3837 [CDS], Bungartz, F. 5950 [CDS], Bungartz, F. 3795 [CDS], Bungartz, F. 3802 [CDS], Bungartz, F. 5669 [CDS], Ertz, D. 11538 [CDS], Bungartz, F. 7174 [CDS], Bungartz, F. 7956 [CDS], Bungartz, F. 7976 [CDS], Jaramillo, P. 2816 [CDS], Jaramillo, P. 2819 [CDS], Jaramillo, P. 3008 [CDS], Jaramillo, P. 3049 [CDS], Guézou, A. 206 B [CDS], Guézou, A. 222 A [CDS], Clerc, P. 08-01 [CDS], Herrera-Campos, M.A. 10722 [CDS], Herrera-Campos, M.A. 10743 [CDS], Herrera-Campos, M.A. 10749 [CDS], Herrera-Campos, M.A. 10755 [CDS], Herrera-Campos, M.A. 10756 [CDS], Herrera-Campos, M.A. 10802 [CDS], Bungartz, F. 8653 [CDS], Herrera-Campos, M.A. GAL-484 [CDS], Jonitz, H. 2 [CDS], Bungartz, F. 4355 [CDS], Aptroot, A. 63014 [CDS], Bungartz, F. 4606 [CDS], Aptroot, A. 63951 [CDS], Bungartz, F. 6029 [CDS], Bungartz, F. 5262 [CDS], Bungartz, F. 4368 [CDS], Nugra, F. 120 [CDS], Nugra, F. 103 [CDS], Tehler, A. 8631 [CDS], Nugra, F. 461 [CDS], Hillmann, G. GAL-109 B [CDS], Nugra, F. 880 [CDS], Spielmann, A.A. 8251 [CDS], Spielmann, A.A. 8166 [CDS], Spielmann, A.A. 8216 [CDS], Yánez-Ayabaca, A. 1563 [CDS], Yánez-Ayabaca, A. 1582 [CDS], Yánez-Ayabaca, A. 1700 [CDS], Yánez-Ayabaca, A. 1727 [CDS], Bungartz, F. 8883 [CDS], Bungartz, F. 8916 [CDS], Bungartz, F. 8956 [CDS], Bungartz, F. 9021 [CDS], Bungartz, F. 9075 [CDS], Bungartz, F. 9083 [CDS], Bungartz, F. 9166 [CDS], Bungartz, F. 9185 [CDS], Bungartz, F. 9198 [CDS], Bungartz, F. 9227 [CDS], Bungartz, F. 9416 [CDS], Bungartz, F. 9419 A [CDS], Bungartz, F. 9520 [CDS], Bungartz, F. 9557 [CDS], Bungartz, F. 9725 A [CDS], Bungartz, F. 9806 A [CDS], Bungartz, F. 9928 [CDS], Bungartz, F. 10089 [CDS], Bungartz, F. 10291 [CDS], Yánez-Ayabaca, A. 1880 [CDS], Yánez-Ayabaca, A. 1970 A [CDS], Yánez-Ayabaca, A. 1992 [CDS], Yánez-Ayabaca, A. 2013 [CDS], Bungartz, F. 9902 [CDS], Bungartz, F. 10107 [CDS], Bungartz, F. 9815 [CDS], Bungartz, F. 9802 [CDS], Bungartz, F. 9789 [CDS], Bungartz, F. 10087 B [CDS], Bungartz, F. 10481 [CDS], Bungartz, F. 10489 [CDS], Benítez, A. 66 [HUTPL]

Pyrenula ochraceoflavens (Nyl.) R.C. Harris

[*Anthracothecium ochraceoflavens* (Nyl.) Müll. Arg., *Bottaria ochraceoflavens* (Nyl.) Vain., *Bottaria ochraceoflavens subsp. ochraccoflavens* (Nyl.) Vain., *Verrucaria ochraceoflavens* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, synonyms in Aptroot (2012); F. Bungartz & R. Miranda: very few specimens deviate significantly in spore size from *P. ochraceoflava*; according to Miranda et al. (2022) *P. ochraceoflava* remains a poorly resolved species complex; Nugra, F. 607 [CDS], Simbaña, W. 545 [CDS], Bungartz, F. 6447 [CDS], Bungartz, F. 3620 [CDS], Aptroot, A. 64484 [CDS], Bungartz, F. 4921 [CDS], Aptroot, A. 64417 [CDS], Bungartz, F. 6990 [CDS], Truong, C. 1292 [CDS], Truong, C. 1360 [CDS], Bungartz, F. 8401 [CDS], Nugra, F. 872 [CDS], Rivas Plata, E. 4004 [CDS], Rivas Plata, E. 4021 [CDS], Spielmann, A.A. 8231 A [CDS], Spielmann, A.A. 8247 [CDS], Bungartz, F. 9531 [CDS], Yánez-Ayabaca, A. 1988 [CDS], Yánez-Ayabaca, A. 2003 [CDS], Yánez-Ayabaca, A. 2037 [CDS], Bungartz, F. 10124 [CDS], Bungartz, F. 3592 [CDS], Nugra, F. 488 [CDS], Bungartz, F. 8784 [CDS], Spielmann, A.A. 8244 [CDS], Bungartz, F. 6345 [CDS], Weber, W.A. s.n. [CDS], Bungartz, F. 10084 [CDS]

Pyrenula psoriformis Zahlbr.

source: Benítez (2016), Benítez et al. (2019); Benítez, A. 67 [HUTPL]

Pyrenula pyrenuloides (Mont.) R.C. Harris

[*Anthracothecium pyrenuloides* (Mont.) Müll.Arg., *Bathelium pyrenuloides* (Mont.) Trevis., *Bottaria pyrenuloides* (Mont.) Trevis., *Pyrenastrum pyrenuloides* (Mont.) Nyl., *Trypethelium pyrenuloides* Mont., *Verrucaria pyrenuloides* (Mont.) Nyl., *Verrucaria pyrenuloides var. pyrenuloides* (Fée) Fée]
parasitized by *Arthonia tavaresii*, source: Déleg et al. (2021), Etayo (2017); Bungartz, F. 10468 [CDS], Bungartz, F. 10477 [CDS]

Pyrenula quassiicola Fée

[*Pyrenula quassiaecola* Fée [erroneous spelling], *Trypethelium papillatum* C. Knight]
native, indigenous, synonyms in Aptroot (2012); Klara Scharnagl 2016 [MSC], Bungartz, F. 4316 [CDS], Bungartz, F. 4941 [CDS], Bungartz, F. 4897 [CDS], Ertz, D. 11571 [CDS], Ertz, D. 11585 [CDS], Bungartz, F. 7316 [CDS], Herrera-Campos, M.A. 10803 [CDS], Herrera-Campos, M.A. 10806 [CDS], Bungartz, F. 8650 [CDS], Bungartz, F. 7547 [CDS], Bungartz, F. 7120 [CDS], Aptroot, A. 64762 [CDS], Bungartz, F. 3908 [CDS], Aptroot, A. 64602 A [CDS], Aptroot, A. 64342 B [CDS], Aptroot, A. 64601 B [CDS], Rivas Plata, E. 4036 [CDS], Aptroot, A. 65118 C [CDS], Aptroot, A. 65058 [CDS], Aptroot, A. 65443 [CDS], Bungartz, F. 4898 [CDS], Truong, C. 1362 [CDS], Bungartz, F. 4006 [CDS], Bungartz, F. 4007 A [CDS], Truong, C. 1346 A [CDS], Ertz, D. 11921 [CDS]

Pyrenula rubroanomala Aptroot & Lücking

source: van den Boom et al. (2022)

Pyrenula schiffneri (Zahlbr.) Aptroot

[*Anthracothecium falsarium* Zahlbr., *Parmentaria schiffneri* Zahlbr., *Pyrenula falsaria* (Zahlbr.) R.C. Harris]
source: Benítez et al. (2015; as *Pyrenula* aff. *falsaria*), van den Boom et al. (2022); Benítez, A. 381 [HUTPL]

Pyrenula scutata (Stirt.) Zahlbr.

[*Verrucaria scutata* Stirt.]
source: Fernández-Prado et al. (2022)

Pyrenula tenuisepta R.C. Harris

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 392 [HUTPL], Benítez, A. 393 [HUTPL], Benítez, A. 394 [HUTPL], Benítez, A. 395 [HUTPL]

Pyrgidium

Pyrgidium montellicum (Beltr.) Tibell

[*Acolium montellicum* Beltr., *Cyphelium montellicum* (Beltr.) Trevis., *Cyphelium sessile var. montellicum* (Beltr.) Keissl., *Pyrgillus caliciisporus* F. Wilson]
source: van den Boom et al. (2022); Ertz, D. 11728 [CDS], Bungartz, F. 7315 [CDS], Bungartz, F. 10068 [CDS], Bungartz, F. 4688 B [CDS]

Pyrgillus

Pyrgillus javanicus (Mont. & v. d. Bosch) Nyl.

[*Acolium javanicum* (Nyl.) Stizenb., *Calicium javanicum* (Nyl.) Mont. & Bosch, *Pyrgillus australiensis* F. Wilson, *Trachylia javanica* (Nyl.) Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Elix & McCarthy (1998), Weber (1986); Aptroot, A. 63999 [CDS]

Pyxine

Pyxine albovirens (G. Meyer) Aptroot

[*Lecidea albovirens* G. Mey.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 6671 [CDS], Bungartz, F. 6242 [CDS], Bungartz, F. 6244 [CDS], Bungartz, F. 5895 [CDS], Bungartz, F. 6522 [CDS], Bungartz, F. 5989 [CDS], Bungartz, F. 5913 [CDS], Bungartz, F. 5954 [CDS], Bungartz, F. 5958 [CDS], Nugra, F. 559 [CDS], Nugra, F. 563 [CDS], Nugra, F. 584 [CDS], Nugra, F. 614 [CDS], Truong, C. 1250 [CDS], Bungartz, F. 10206 [CDS], Aptroot, A. 64768 [CDS], Spielmann, A.A. 10702 [CDS], Bungartz, F. 9969 [CDS], Aptroot, A. 63119 [CDS], Bungartz, F. 3658 [CDS]

Pyxine berteroana (Fée) Imshaug

[*Circinaria berteroana* Fée, *Pyxine berteroana var. berteroana* (Fée) Imshaug, *Pyxine cocoes var. endoxantha* Müll.Arg., *Pyxine meissneri* Tuck., *Pyxine meissneri subsp. meissneri* Tuck., *Pyxine meissneri var. meissneri* Tuck., *Pyxine meissnerina* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, the spelling *P. berteriana* is an orthographical error. Even though Fée published the basionym as *Circinaria berteriana* the name refers to Carlo Luigi Giuseppe Bertero and the epithet must therefore correctly be spelled "*berteroana*", not "*berteriana*" (ICN Art. 60.1.), source: Elix & McCarthy (1998), Weber (1986)

Pyxine caesiopruinosa (Tuck.) Imshaug

[*Pyxine cocoes var. caesiopruinosa* Tuck., *Pyxine sorediata f. caesiopruinosa* (Tuck.) Hue]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, previously rejected because of confusion in Jughbluth (2010) with *P. subcinerea*, source: Weber (1986); Bungartz, F. 6641 [CDS], Bungartz, F. 6717 [CDS], Bungartz, F. 7132 [CDS], Bungartz, F. 7788 [CDS], Bungartz, F. 7808 A [CDS], Bungartz, F. 8676 [CDS]

Pyxine cocoes (Sw.) Nyl.

[*Circinaria cocoes* Fée, *Coccocarpia pellita var. cocoes* (Fée) Zahlbr., *Lecidea cocoes* (Sw.) Ach., *Lichen cocoes* Sw., *Lobaria cocoes* (Sw.) Räusch]
source: Weber (1986), Elix & McCarthy (1998), Benítez et al. (2019), Chuquimarca et al. (2019), van den Boom et al. (2022); Aptroot, A. 63026 [CDS], Aptroot, A. 64207 [CDS], Aptroot, A. 63285 [CDS], Aptroot, A. 64097 [CDS], Aptroot, A. 64476 [CDS], Bungartz, F. 4460 [CDS], Aptroot, A. 65332 [CDS], Aptroot, A. 64969 [CDS], Aptroot, A. 64469 [CDS], Aptroot, A. 64406 [CDS], Aptroot, A. 64441 [CDS], Bungartz, F. 5384 [CDS], Bungartz, F. 5417 [CDS], Bungartz, F. 6203 [CDS], Bungartz, F. 6208 [CDS], Bungartz, F. 4534 [CDS], Bungartz, F. 4533 [CDS], Bungartz, F. 4544 [CDS], Bungartz, F. 4556 [CDS], Bungartz, F. 4561 [CDS], Bungartz, F. 3874 [CDS], Bungartz, F. 6674 [CDS], Bungartz, F. 6271 [CDS], Bungartz, F. 6373 [CDS], Bungartz, F. 5172 [CDS], Bungartz, F. 5348 [CDS], Bungartz, F. 5354 [CDS], Bungartz, F. 6467 [CDS], Bungartz, F. 4909 [CDS], Bungartz, F. 6479 [CDS], Bungartz, F. 4658 [CDS], Bungartz, F. 5115 [CDS], Bungartz, F. 6545 [CDS], Bungartz, F. 7146 [CDS], Bungartz, F. 7164 [CDS], Bungartz, F. 7170 [CDS], Bungartz, F. 7202 [CDS], Bungartz, F. 7205 [CDS], Bungartz, F. 7209 [CDS], Bungartz, F. 7231 [CDS], Bungartz, F. 7286 [CDS], Bungartz, F. 7365 [CDS], Bungartz, F. 7373 [CDS], Bungartz, F. 7932 [CDS], Ertz, D. 11640 A [CDS], Clerc, P. 08-16 [CDS], Herrera-Campos, M.A. 70 [CDS], Jonitz, H. 30 [CDS], Hillmann, G. GAL-85 [CDS], Yánez-Ayabaca, A. 1633 [CDS], Yánez-Ayabaca, A. 1672 [CDS], Bungartz, F. 8900 [CDS], Bungartz, F. 8973 [CDS], Bungartz, F. 8977 [CDS], Bungartz, F. 9037 [CDS], Bungartz, F. 9207 [CDS], Bungartz, F. 9819 A [CDS], Bungartz, F. 9403 [CDS], Bungartz, F. 10097 [CDS], Yánez-Ayabaca, A. 1796 [CDS], Yánez-Ayabaca, A. 2075 [CDS], Bungartz, F. 9560 [CDS], Bungartz, F. 10087 C [CDS], Nugra, F. 474 [CDS], Bungartz, F. 3376 [CDS], Bungartz, F. 3638 [CDS], Nugra, F. 95 [CDS], Bungartz, F. 10515 [CDS], Spielmann, A.A. 8172 [CDS], Jonitz, H. 47 [CDS], Benítez, A. 71 [HUTPL]

Pyxine coralligera Malme

K. Kalb 17040 [WIS], K. Kalb 17092 [WIS], K. Kalb 17085 [WIS], K. Kalb 19485 [WIS], K. Kalb 18535 [WIS], K. Kalb 18445 [WIS]

Pyxine endolutea Kalb

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 4726 [CDS]

Pyxine eschweileri (Tuck.) Vain.

[*Phragmopyxine eschweileri* (Tuck.) Clem., *Pyxine cocoes var. eschweileri* Tuck., *Pyxine niveomarginata* B. de Lesd., *Pyxine rosacea* Zahlbr., *Pyxine sorediata var. eschweileri* (Tuck.) Tuck.]
source: Weber (1986), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007); W. A. Weber L-40208 [USU], W. A. Weber s.n. [VT], W.A. Weber l-40208 [UBC], Aptroot, A. 64197 [CDS], Aptroot, A. 63118 [CDS], Aptroot, A. 63402 [CDS], Aptroot, A. 63080 [CDS], Aptroot, A. 64767 [CDS], Aptroot, A. 64789 [CDS], Aptroot, A. 64007 [CDS], Aptroot, A. 64051 [CDS], Bungartz, F. 4423 [CDS], Aptroot, A. 64947 [CDS], Aptroot, A. 65464 [CDS], Bungartz, F. 4170 [CDS], Simbaña, W. 560 [CDS], Aptroot, A. 63956 [CDS], Bungartz, F. 5693 [CDS], Bungartz, F. 5800 [CDS], Bungartz, F. 5906 [CDS], Bungartz, F. 5914 [CDS], Bungartz, F. 6720 [CDS], Bungartz, F. 7714 [CDS], Bungartz, F. 7716 [CDS], Bungartz, F. 7722 [CDS], Bungartz, F. 7918 [CDS], Bungartz, F. 7808 B [CDS], Clerc, P. 08-134 [CDS], Bungartz, F. 8313 [CDS], Bungartz, F. 8439 [CDS], Hillmann, G. GAL-50 [CDS], Bungartz, F. 9156 [CDS], Bungartz, F. 9374 [CDS], Bungartz, F. 9749 [CDS], Bungartz, F. 10076 [CDS], Bungartz, F. 10245 [CDS], Yánez-Ayabaca, A. 1754 [CDS], Yánez-Ayabaca, A. 1767 [CDS], Yánez-Ayabaca, A. 1984 [CDS], Yánez-Ayabaca, A. 1993 [CDS], Yánez-Ayabaca, A. 2089 [CDS], Yánez-Ayabaca, A. 2109 [CDS], Bungartz, F. 9674 [CDS], Bungartz, F. 9350 [CDS], Bungartz, F. 9351 [CDS], Bungartz, F. 10117 [CDS], Bungartz, F. 10003 [CDS], Bungartz, F. 9428 [CDS], Bungartz, F. 9282 [CDS], Bungartz, F. 4294 [CDS], Aptroot, A. 65276 [CDS], Bungartz, F. 4276 [CDS], Spielmann, A.A. 10683 [CDS], Spielmann, A.A. 10654 [CDS], Bungartz, F. 10302 [CDS], Bungartz, F. 10417 [CDS], Etayo, J. 26251 [hb. Etayo], Etayo, J. 26337 [hb. Etayo]

Pyxine nubila Moberg

[*Culbersonia americana* Essl., *Culbersonia nubila* (Moberg) Essl.]
source: van den Boom et al. (2022)

Pyxine petricola Nyl.

[*Pyxine endoleuca* (Müll. Arg.) Vain., *Pyxine meissneri var. endoleuca* Müll.Arg., *Pyxine subvelata* Stirt.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 63408 [CDS], Aptroot, A. 63278 C [CDS], Aptroot, A. 65399 [CDS], Bungartz, F. 4395 [CDS], Bungartz, F. 5147 [CDS], Bungartz, F. 5157 [CDS], Bungartz, F. 5159 [CDS], Bungartz, F. 5228 [CDS], Bungartz, F. 4625 [CDS], Bungartz, F. 5360 [CDS], Bungartz, F. 4582 [CDS], Bungartz, F. 5251 [CDS], Bungartz, F. 4584 A [CDS], Weber, W.A. s.n. [CDS], Bungartz, F. 9093 [CDS], Bungartz, F. 9117 [CDS], Aptroot, A. 64813 [CDS]

Pyxine pungens Zahlbr.

source: van den Boom et al. (2022; as *Pyxine* cf. *pungens*)

Pyxine retirugella Nyl.

source: van den Boom et al. (2022; as *Pyxine* cf. *retirugella*)

Pyxine subcinerea Stirton

[*Physcia melanenta* C. Knight, *Pyxine chrysanthoides* Vain., *Pyxine chrysanthoides f. chrysanthoides* Vain., *Pyxine meissneri f. sorediosa* (Müll. Arg.) Müll. Arg., *Pyxine meissneri var. sorediosa* Müll.Arg.]

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, according to Elix & McCarthy (1998) the records of *Pyxine caesiopruinosa* in Weber (1986) belong here; A. Aptroot (pers. comm.) suspects that reports of *P. connectens* might also belong here, but all COLO specimens identified by W.A. Weber are fertile specimens of *P. cocoes*, source: Weber (1986), Elix & McCarthy (1998); Bungartz, F. 7235 [CDS], Bungartz, F. 7253 [CDS]

Racoplaca

Racoplaca maculata (Cooke & Massee) S.H. Jiang, Lücking & J.C. Wei

[*Micropeltis maculata* Cooke & Massee, *Strigula maculata* (Cooke & Massee) R. Sant.]
source: Lücking (1999, 2008), van den Boom et al. (2022); Herrera-Campos, M.A. 10657 H [CDS], Bungartz, F. 8282 B [CDS]

Ramalina

Ramalina anceps Nyl.

[*Ramalina pollinaria var. anceps* (Nyl.) Trevis.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Aptroot & Bungartz (2007), Elix & McCarthy (1998), Weber (1986); Aptroot, A. 63220 A [CDS], Aptroot, A. 63226 B [CDS], Aptroot, A. 65304 [CDS], Aptroot, A. 63768 [CDS], Aptroot, A. 63938 B [CDS], Aptroot, A. 63942 [CDS], Aptroot, A. 65394 [CDS], Bungartz, F. 3733 [CDS], Bungartz, F. 4342 [CDS], Bungartz, F. 5856 [CDS], Bungartz, F. 5860 [CDS], Bungartz, F. 6586 [CDS], Bungartz, F. 6744 [CDS], Nugra, F. 2 [CDS], Nugra, F. 541 [CDS], Jaramillo, P. 2881 A [CDS], Truong, C. 1236 [CDS], Truong, C. 1311 [CDS], Truong, C. 1353 [CDS], Truong, C. 1354 [CDS], Truong, C. 1356 [CDS], Truong, C. 1487 A [CDS], Clerc, P. 08-75 [CDS], Clerc, P. 08-188 [CDS], Clerc, P. 08-200 [CDS], Clerc, P. 08-257 [CDS], Clerc, P. 08-315 [CDS], Clerc, P. 08-339 [CDS], Clerc, P. 08-347 [CDS], Clerc, P. 08-358 [CDS], Clerc, P. 08-365 [CDS], Herrera-Campos, M.A. 10607 [CDS], Herrera-Campos, M.A. 10666 [CDS], Herrera-Campos, M.A. 10677 [CDS], Herrera-Campos, M.A. 10781 [CDS], Herrera-Campos, M.A. 10785 [CDS], Herrera-Campos, M.A. 10787 [CDS], Herrera-Campos, M.A. 10800 [CDS], Bungartz, F. 8567 [CDS], Bungartz, F. 8568 [CDS], Bungartz, F. 8682 [CDS], Herrera-Campos, M.A. GAL-434 [CDS], Herrera-Campos, M.A. GAL-439 [CDS], Herrera-Campos, M.A. GAL-445 A [CDS], Herrera-Campos, M.A. 10893 [CDS], Herrera-Campos, M.A. 10907 [CDS], López, A. 655 [CDS], Yánez-Ayabaca, A. 302 [CDS], Hillmann, G. GAL-121 [CDS], Hillmann, G. GAL-122 [CDS], Hillmann, G. GAL-123 [CDS], Hillmann, G. GAL-124 [CDS], Hillmann, G. GAL-90 [CDS], Hillmann, G. GAL-27 [CDS], Nugra, F. 916 [CDS], Nugra, F. 926 [CDS], Nugra, F. 917 [CDS], Yánez-Ayabaca, A. 1665 [CDS], Bungartz, F. 8954 [CDS], Bungartz, F. 9565 [CDS], Bungartz, F. 9584 [CDS], Bungartz, F. 10240 [CDS], Yánez-Ayabaca, A. 2125 [CDS], Bungartz, F. 9960 [CDS], Bungartz, F. 9838 [CDS], Bungartz, F. 9952 [CDS], Bungartz, F. 10015 [CDS], Bungartz, F. 10136 [CDS], Jonitz, H. 61 [CDS], LeDee, O.E. OEL-00-09 F [CDS]

Ramalina aspera Räsänen

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, in Weber (1986) as *Ramalina denticulata*, fide Aptroot & Bungartz (2007), source: Aptroot & Bungartz (2007), Brodo et al. (2001), Weber (1986); Weber, W.A. s.n. [CDS], Aptroot, A. 63008 A [CDS], Aptroot, A. 63436 [CDS], Aptroot, A. 64178 [CDS], Aptroot, A. 64771 [CDS], Aptroot, A. 64132 B [CDS], Aptroot, A. 64141 [CDS], Aptroot, A. 64155 [CDS], Aptroot, A. 64132 A [CDS], Aptroot, A. 64482 [CDS], Aptroot, A. 65027 [CDS], Aptroot, A. 65615 [CDS], Aptroot, A. 63699 [CDS], Bungartz, F. 4385 [CDS], Bungartz, F. 4920 [CDS], Bungartz, F. 4930 [CDS], Bungartz, F. 4469 [CDS], Aptroot, A. 65368 [CDS], Bungartz, F. 4807 [CDS], Simbaña, W. 534 [CDS], Bungartz, F. 6191 [CDS], Bungartz, F. 6192 [CDS], Bungartz, F. 6193 [CDS], Bungartz, F. 6194 [CDS], Bungartz, F. 6537 [CDS], Bungartz, F. 6010 [CDS], Bungartz, F. 6027 [CDS], Bungartz, F. 7039 [CDS], Bungartz, F. 7044 [CDS], Nugra, F. 471 [CDS], Bungartz, F. 7156 [CDS], Bungartz, F. 7160 [CDS], Bungartz, F. 7167 [CDS], Bungartz, F. 7232 [CDS], Bungartz, F. 7274 [CDS], Bungartz, F. 7275 [CDS], Yánez-Ayabaca, A. 1634 [CDS], Bungartz, F. 8830 [CDS], Bungartz, F. 8912 [CDS], Bungartz, F. 8968 [CDS], Bungartz, F. 9058 [CDS], Bungartz, F. 9150 [CDS], Bungartz, F. 10079 [CDS], Yánez-Ayabaca, A. 1883 [CDS], Yánez-Ayabaca, A. 1889 [CDS], Yánez-Ayabaca, A. 1976 [CDS], Yánez-Ayabaca, A. 2077 [CDS], Bungartz, F. 9744 B [CDS], Bungartz, F. 10519 [CDS], Bungartz, F. 10526 [CDS]

Ramalina calicaris (L.) Fr.

[*Evernia calicaris* (L.) Link, *Lichen calicaris* L., *Lichen calicaris var. calicaris* L., *Lobaria calicaris* (L.) Hoffm., *Parmelia calicaris* (L.) Spreng., *Parmelia fraxinea var. calicaris* (L.) Schaer., *Platysma calicare* (L.) Frege, *Ramalina calicaris f. calicaris* (L.) Röhl., *Ramalina calicaris subsp. calicaris* (L.) Röhl., *Ramalina calicaris var. calicaris* (L.) Röhl., *Ramalina calicaris var. canaliculata* Fr., *Ramalina calicaris var. subamplicata* Nyl., *Ramalina calicaris var. subfastigiata* Nyl., *Ramalina fraxinea subsp. canaliculata* (Fr.) B. de Lesd., *Ramalina fraxinea var. calicaris* (L.) Schaer., *Ramalina subampliata* (Nyl.) Fink, *Ramalina subamplicata* (Nyl.) Fink, *Ramalina subamplicata f. gracilis* B. de Lesd., *Ramalina subamplicata f. subamplicata* (Nyl.) Fink, *Ramalina subfastigiata* (Nyl.) Werner]
problematic, no modern record; the record in Cevallos (2012) is based on Návas (1908) from Pifo (near Quito), source: Návas (1908), Cevallos (2012)

Ramalina camptospora Nyl.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Aptroot & Bungartz (2007); Aptroot, A. 63208 A [CDS], Aptroot, A. 65739 [CDS], Aptroot, A. 64151 B [CDS], Nugra, F. 443 [CDS], Clerc, P. 08-128 [CDS]

Ramalina canariensis J. Steiner

[*Ramalina evernioides var. canariensis* (J. Steiner) Mereschk.]
source: Davey (1999), Cevallos (2012)

Ramalina celastri (Sprengel) Krog & Swinscow

[*Evernia flavicans f. tenuissima* Meyen & Flot. nom. inval., *Lichen linearis* Sw., *Lobaria linearis* (Sw.) Raeusch., *Parmelia celastri* Spreng., *Parmelia linearis* (Sw.) Ach., *Ramalina calicaris f. linearis* (Sw.) Nyl., *Ramalina calicaris var. membranacea* (Laurer) C. Bab., *Ramalina calicaris var. ovalis* (Hook. f. & Taylor) Bab., *Ramalina canaliculata subsp. linearis* (Sw.) Nyl., *Ramalina celastri subsp. ovalis* (Hook. f. & Taylor) G.N. Stevens, *Ramalina ecklonii var. membranacea* (Laurer) Müll. Arg., *Ramalina ecklonii var. ovalis* (Hook. f. & Taylor) F. Wilson, *Ramalina ecklonii var. tenuissima* Meyen & Flot., *Ramalina fraxinea var. membranacea* Laurer, *Ramalina lanceolata var. tenuissima* (Meyen & Flot.) Müll. Arg., *Ramalina linearis* (Sw.) Ach., *Ramalina linearis f. linearis* (Sw.) Ach., *Ramalina ovalis* Hook. f. & Taylor, *Ramalina yemensis var. membranacea* (Laurer) Nyl., *Ramalina yemensis var. ovalis* (Hook. f. & Taylor) Zahlbr., *Ramalina yemensis var. tenuissima* (Meyen & Flot.) Zahlbr., *Sticta ecklonii* Spreng., *Teloschistes flavicans var. tenuissimus* Meyen & Flot. ex Müll. Arg.]
parasitized by *Lichenoconium cargillianum* & *Tremella tuckerae*, source: Etayo (2017), Ochoa-Jiménez et al. (2015), Benítez et al. (2012, 2015), Chuquimarca et al. (2019), van den Boom et al. (2022); T.H. Nash III 23815 [ASU], Harris, R. 17540 [MIN], Bungartz, F. 5490 [CDS], Benítez, A. 401 [HUTPL], Telma Paredes 962 [INABIOEC-MECN-QCNE], J. Etayo 26668 [hb. Etayo], J. Etayo 26674 [hb. Etayo], Etayo, J. 26668 [QCAM]

Ramalina cochlearis Zahlbr.

source: Benítez et al. (2012, 2015), Chuquimarca et al. (2019); Benítez, A. 402 [HUTPL]

Ramalina complanata (Sw.) Ach.

[*Lichen complanatus* Sw., *Ramalina calicaris f. complanata* (Sw.) Nyl., *Ramalina calicaris var. complanata* (Sw.) Nyl., *Roccella complanata* (Sw.) Darb., *Roccella complanata var. complanata* (Sw.) Darb.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, syn.: *Ramalina indica* auct. non Fr., *R. subasperata* auct. non Nyl., *R. interponens* auct. non Nyl., *R. subfraxinea* auct. non Nyl., fide Elix & McCarthy (1998), source: Dodge (1936), Stewart (1912), Farlow (1902), Weber (1966, 1981, 1986), Aptroot & Bungartz (2007), Elix & McCarthy (1998); Aptroot, A. 63746 [CDS], Aptroot, A. 64179 [CDS], Aptroot, A. 64154 [CDS], Bungartz, F. 3357 [CDS], Luong, T.T. s.n. [CDS], Aptroot, A. 63039 [CDS], Aptroot, A. 63421 [CDS], Aptroot, A. 63428 [CDS], Aptroot, A. 63671 [CDS], Aptroot, A. 63744 A [CDS], Aptroot, A. 64188 [CDS], Aptroot, A. 64193 A [CDS], Aptroot, A. 64627 [CDS], Aptroot, A. 64749 [CDS], Aptroot, A. 64770 [CDS], Aptroot, A. 63941 [CDS], Aptroot, A. 63946 A [CDS], Aptroot, A. 63949 [CDS], Aptroot, A. 64562 [CDS], Aptroot, A. 64145 [CDS], Bungartz, F. 3348 [CDS], Aptroot, A. 63958 A [CDS], Aptroot, A. 65026 [CDS], Aptroot, A. 64057 [CDS], Aptroot, A. 64018 [CDS], Aptroot, A. 65616 [CDS], Aptroot, A. 65614 [CDS], Bungartz, F. 4637 [CDS], Aptroot, A. 64903 [CDS], Bungartz, F. 3734 [CDS], Aptroot, A. 64222 [CDS], Aptroot, A. 64227 A [CDS], Bungartz, F. 5071 [CDS], Bungartz, F. 5129 [CDS], Bungartz, F. 4918 [CDS], Bungartz, F. 4575 [CDS], Aptroot, A. 65365 [CDS], Aptroot, A. 65144 [CDS], Aptroot, A. 65657 [CDS], Simbaña, W. 533 [CDS], Bungartz, F. 6196 [CDS], Bungartz, F. 6551 [CDS], Bungartz, F. 6404 [CDS], Bungartz, F. 6109 [CDS], Bungartz, F. 6108 [CDS], Bungartz, F. 6114 [CDS], Bungartz, F. 6748 [CDS], Bungartz, F. 6280 [CDS], Bungartz, F. 6344 [CDS], Bungartz, F. 6508 [CDS], Bungartz, F. 6615 [CDS], Bungartz, F. 6011 [CDS], Bungartz, F. 5966 [CDS], Bungartz, F. 6710 [CDS], Nugra, F. 92 [CDS], Bungartz, F. 6947 [CDS], Bungartz, F. 7002 [CDS], Bungartz, F. 7045 [CDS], Nugra, F. 467 [CDS], Bungartz, F. 7153 [CDS], Bungartz, F. 7155 [CDS], Bungartz, F. 7161 [CDS], Bungartz, F. 7163 [CDS], Bungartz, F. 7166 [CDS], Bungartz, F. 7233 [CDS], Bungartz, F. 7349 [CDS], Bungartz, F. 7734 [CDS], Jaramillo, P. 3023 B [CDS], Truong, C. 1237 [CDS], Truong, C. 1469 [CDS], Truong, C. 1502 [CDS], Clerc, P. 08-13 [CDS], Clerc, P. 08-67 [CDS], Clerc, P. 08-320 [CDS], Clerc, P. 08-335 [CDS], Clerc, P. 08-350 [CDS], Clerc, P. 08-351 [CDS], Clerc, P. 08-377 [CDS], Herrera-Campos, M.A. 10742 [CDS], Bungartz, F. 8321 [CDS], Bungartz, F. 8569 [CDS], Jonitz, H. 21 [CDS], Hillmann, G. GAL-84 [CDS], Nugra, F. 875 [CDS], Yánez-Ayabaca, A. 1578 [CDS], Yánez-Ayabaca, A. 1711 [CDS], Bungartz, F. 8884 [CDS], Bungartz, F. 9191 [CDS], Bungartz, F. 9543 [CDS], Bungartz, F. 9755 [CDS], Bungartz, F. 10106 [CDS], Yánez-Ayabaca, A. 1800 [CDS], Yánez-Ayabaca, A. 2047 [CDS], Yánez-Ayabaca, A. 2079 [CDS], Bungartz, F.

10497 [CDS], Bungartz, F. 10509 [CDS], Bungartz, F. 10516 [CDS], Bungartz, F. 10521 [CDS], Bungartz, F. 10523 [CDS], Bungartz, F. 10524 [CDS], LeDee, O.E. OEL-00-09 E [CDS]

Ramalina cumanensis Fée

K. Kalb s.n. [WIS]

Ramalina darwiniana Aptroot & Bungartz

native, questionably endem., Benítez et al. (2019) reported *R. darwiniana* also from continental Ecuador, presumabls the typical variety, but these specimens from the continent should be re-examined, source: Aptroot & Bungartz (2007)

Ramalina darwiniana var. curvida Aptroot

endemic to Galapagos, Type: Ecuador. Galápagos: Isla Santa Cruz, Puerto Ayora, near the Charles Darwin Research Station, 0°44'32"S, 90°18'10"W, alt. 5 m, on twigs of coastal shrubs, 24 May 2005, A. Aptroot 63029 (CDS no. 29757 – holotype!; hb. Aptroot – isotype) , source: Aptroot & Bungartz (2007); Simbaña, W. 562 [CDS], Bungartz, F. 7040 [CDS], Bungartz, F. 7678 [CDS], Bungartz, F. 7865 [CDS], Nugra, F. 634 [CDS], Truong, C. 1287 [CDS], Truong, C. 1470 [CDS], Truong, C. 1504 [CDS], Truong, C. 1514 [CDS], Clerc, P. 08-66 [CDS], Clerc, P. 08-68 [CDS], Clerc, P. 08-190 [CDS], Clerc, P. 08-202 [CDS], Clerc, P. 08-229 [CDS], Clerc, P. 08-349 [CDS], Herrera-Campos, M.A. 10589 [CDS], Herrera-Campos, M.A. 10614 [CDS], Bungartz, F. 8219 [CDS], Bungartz, F. 8298 [CDS], Herrera-Campos, M.A. GAL-298 [CDS], Herrera-Campos, M.A. GAL-299 [CDS], Herrera-Campos, M.A. 10926 [CDS], Nugra, F. 886 [CDS], Rivas Plata, E. 4014 [CDS], Spielmann, A.A. 8169 [CDS], Spielmann, A.A. 8168 [CDS], Spielmann, A.A. 8163 [CDS], Yánez-Ayabaca, A. 1613 [CDS], Yánez-Ayabaca, A. 1697 [CDS], Bungartz, F. 8885 [CDS], Bungartz, F. 8886 [CDS], Bungartz, F. 8888 [CDS], Bungartz, F. 9544 [CDS], Bungartz, F. 9782 [CDS], Bungartz, F. 9805 [CDS], Yánez-Ayabaca, A. 1815 [CDS], Bungartz, F. 10414 [CDS], Bungartz, F. 10415 [CDS], Nugra, F. 1138 [CDS], Bungartz, F. 10552 [CDS], Jonitz, H. 49 [CDS], Aptroot, A. 63029 [CDS]

Ramalina darwiniana var. darwiniana Aptroot & Bungartz

native, questionably endem., Type: Ecuador. Galápagos: Isla Plaza Sur Island, 0°34'59"S, 90°9'54"W, alt. 1 m, coastal zone; eastern part with scattered and low vegetation of *Sesuvium portulacastrum & Tiquilia galapagoa* with occasional *Opuntia*, western part also with scattered shrubs of *Grabowskia boerhaaviaefolia*, *Maytenus octogona*, and *Castela galapageia*, on wood, twig, 21 February 2006, Aptroot, A. 64433 (CDS no. 31001 – holotype!; hb. Aptroot – isotype) ; the species was until recently considered endemic to the Galapagos, but Benítez et al. (2019) reported *R. darwiniana* also from continental Ecuador, the records upon which these reports are based need to be re-examined, source: Aptroot & Bungartz (2007); Herrera-Campos, M.A. 10669 [CDS], Bentley, P. 17 [CDS], Luong, T.T. s.n. [CDS], Aptroot, A. 63670 [CDS], Aptroot, A. 64170 [CDS], Aptroot, A. 64172 [CDS], Aptroot, A. 64184 [CDS], Aptroot, A. 63008 B [CDS], Aptroot, A. 63074 [CDS], Aptroot, A. 63397 C [CDS], Aptroot, A. 64185 [CDS], Aptroot, A. 63441 [CDS], Aptroot, A. 64176 [CDS], Aptroot, A. 64193 B [CDS], Aptroot, A. 64198 [CDS], Aptroot, A. 64192 A [CDS], Aptroot, A. 65303 [CDS], Aptroot, A. 64168 [CDS], Bungartz, F. 3396 [CDS], Aptroot, A. 64162 [CDS], Aptroot, A. 64163 [CDS], Aptroot, A. 64164 [CDS], Aptroot, A. 64144 [CDS], Aptroot, A. 64160 [CDS], Bungartz, F. 3356 [CDS], Aptroot, A. 63957 [CDS], Aptroot, A. 65025 [CDS], Aptroot, A. 65030 [CDS], Bungartz, F. 3428 [CDS], Aptroot, A. 64017 [CDS], Bungartz, F. 5236 [CDS], Aptroot, A. 65617 [CDS], Aptroot, A. 64952 [CDS], Aptroot, A. 64357 [CDS], Aptroot, A. 65362 [CDS], Aptroot, A. 64434 [CDS], Aptroot, A. 64433 [CDS], Aptroot, A. 63697 [CDS], Bungartz, F. 6195 [CDS], Bungartz, F. 6553 [CDS], Bungartz, F. 6552 [CDS], Bungartz, F. 6412 [CDS], Bungartz, F. 6106 [CDS], Bungartz, F. 6111 [CDS], Bungartz, F. 6113 [CDS], Bungartz, F. 6038 [CDS], Bungartz, F. 6077 [CDS], Bungartz, F. 5663 [CDS], Bungartz, F. 5665 [CDS], Bungartz, F. 5670 [CDS], Bungartz, F. 6279 [CDS], Bungartz, F. 6281 [CDS], Bungartz, F. 5999 [CDS], Bungartz, F. 5351 [CDS], Bungartz, F. 5124 [CDS], Bungartz, F. 6533 [CDS], Bungartz, F. 6534 [CDS], Bungartz, F. 6535 [CDS], Bungartz, F. 6009 [CDS], Bungartz, F. 6014 [CDS], Bungartz, F. 6016 [CDS], Bungartz, F. 6026 [CDS], Bungartz, F. 6999 [CDS], Bungartz, F. 7038 [CDS], Bungartz, F. 7046 [CDS], Ertz, D. 11657 [CDS], Ertz, D. 11658 [CDS], Nugra, F. 469 [CDS], Nugra, F. 470 [CDS], Ertz, D. 11995 [CDS], Ertz, D. 12000 [CDS], Bungartz, F. 7165 [CDS], Bungartz, F. 7910 [CDS], Jaramillo, P. 2899 A [CDS], Jaramillo, P. 3024 B [CDS], Jaramillo, P. 3055 B [CDS], Jaramillo, P. 3010 C [CDS], Guézou, A. 226 [CDS], Clerc, P. 08-386 [CDS], Herrera-Campos, M.A. 10778 [CDS], Tehler, A. 8616 [CDS], Bungartz, F. 8471 [CDS], Jonitz, H. 16 [CDS], Nugra, F. 876 [CDS], Bungartz, F. 8887 [CDS], Bungartz, F. 8957 [CDS], Bungartz, F. 9060 [CDS], Bungartz, F. 9231 [CDS], Bungartz, F. 9249 [CDS], Bungartz, F. 9250 [CDS], Bungartz, F. 9417 [CDS], Bungartz, F. 10081 [CDS], Spielmann, A.A. 10751 [CDS], Bungartz, F. 10522 [CDS], Jäger, H. s.n. [CDS]

Ramalina dendroides (Nyl.) Nyl.

[*Ramalina rigida f. dendroides* Nyl.]
source: van den Boom et al. (2022)

Ramalina ecklonii (Spreng.) Meyen & Flot.

[*Parmelia ecklonii* Spreng., *Ramalina calicaris f. ecklonii* (Spreng.) Nyl., *Ramalina linearis var. ecklonii* (Spreng.) Nyl., *Ramalina sprengelii* Krog & Swinscow, *Ramalina yemensis var. ecklonii* (Spreng.) Vain.]
problematic, no modern record, source: Müller (1879), Romeguère (1879)

Ramalina erythrantha Müll. Arg.

[*Ramalina dendriscoides var. erythrantha* Müll. Arg., *Ramalina erythrantha* (Müll. Arg.) Jaime Aguirre-C. & J. Orlando Rangel-Ch.]
problematic, no modern record, source: Müller (1879)

Ramalina fragilis Aptroot & Bungartz

endemic to Galapagos, IUCN: Vulnerable A3b, c; in Weber (1986) as *Niebla* sp. nov. ined.; Typus: Ecuador. Galápagos: Isla San Cristóbal, near Tortugueria Cerro Colorado, on lava cliff, 130 m alt., 2-June-2005, Aptroot, A. 63419 (CDS 30174 – holotype!; hb. Aptroot – isotype), source: Aptroot & Bungartz (2007); Aptroot, A. 63419 [CDS], Aptroot, A. 64127 [CDS], Aptroot, A. 64042 [CDS], Aptroot, A. 64045 [CDS], Bungartz, F. 6306 [CDS], Aptroot, A. 64047 [CDS], Bungartz, F. 6575 [CDS], Bungartz, F. 6704 [CDS], Bungartz, F. 7019 [CDS], Ertz, D. 11680 [CDS], Bungartz, F. 7215 [CDS], Jaramillo, P. 2888 [CDS], Clerc, P. 08-272 [CDS], Clerc, P. 08-331 [CDS], Clerc, P. 08-400 [CDS], Bungartz, F. 8843 [CDS], Bungartz, F. 8930 [CDS], Bungartz, F. 9006 [CDS], Bungartz, F. 9104 [CDS], Bungartz, F. 9122 [CDS], Bungartz, F. 9178 [CDS], Bungartz, F. 9963 [CDS], Bungartz, F. 10185 [CDS]

Ramalina fraxinea (L.) Ach.

[*Lichen fraxineus* L., *Lobaria fraxinea* (L.) Hoffm., *Parmelia fraxinea* (L.) Ach., *Parmelia fraxinea var. ampliata* Ach., *Parmelia fraxinea var. fraxinea* Ach., *Parmelia fraxinea var. taeniata* Ach., *Physcia fraxinea* (L.) Michx., *Platysma fraxineum* (L.) Hoffm., *Ramalina fraxinea f. ampliata* (Ach.) Anders, *Ramalina fraxinea f. fraxinea* (L.) Ach., *Ramalina fraxinea f. taeniiformis* (Ach.) Leight., *Ramalina fraxinea subsp. calicariformis* (Nyl.) B. de Lesd., *Ramalina fraxinea subsp. fraxinea* (L.) Ach., *Ramalina fraxinea var. ampliata* (Ach.) Ach., *Ramalina fraxinea var. calicariformis* Nyl., *Ramalina fraxinea var. fraxinea* (L.) Ach., *Ramalina fraxinea var. taeniiformis* Ach., *Ramalinomyces fraxineae* E.A. Thomas ex Cif. & Tomas.]
source: Davey (1999), Cevallos (2012)

Ramalina furcellangulida Aptroot

endemic to Galapagos, Type: Ecuador. Galápagos: Isla Isabela, Volcán Alcedo, highest cinder cone along the trail going up the east slope, on bark of *Bursera graveolens*, 250 m alt., 10-March-2006, Aptroot, A. 65029 (CDS 31611 – holotype!; hb. Aptroot – isotype), source: Aptroot & Bungartz (2007); Aptroot, A. 64177 [CDS], Aptroot, A. 64192 B [CDS], Aptroot, A. 63276 C [CDS], Aptroot, A. 64128 [CDS], Aptroot, A. 64135 [CDS], Aptroot, A. 64137 [CDS], Aptroot, A. 64151 A [CDS], Aptroot, A. 64157 [CDS], Aptroot, A. 65028 [CDS], Aptroot, A. 65029 [CDS], Bungartz, F. 3429 [CDS], Bungartz, F. 5239 [CDS], Aptroot, A. 64456 [CDS], Aptroot, A. 64435 [CDS], Simbaña, W. 565 [CDS], Bungartz, F. 6334 [CDS], Bungartz, F. 6415 [CDS], Bungartz, F. 6115 [CDS], Bungartz, F. 6112 [CDS], Bungartz, F. 6151 [CDS], Bungartz, F. 5997 [CDS], Bungartz, F. 6377 [CDS], Bungartz, F. 6381 [CDS], Bungartz, F. 6382 [CDS], Bungartz, F. 6531 [CDS], Bungartz, F. 6008 [CDS], Bungartz, F. 6028 [CDS], Nugra, F. 106 [CDS], Bungartz, F. 7234 [CDS], Jaramillo, P. 2999 A [CDS], Jaramillo, P. 3007 B [CDS], Jaramillo, P. 3010 B [CDS], Jaramillo, P. 3022 [CDS], Jaramillo, P. 3023 A [CDS], Herrera-Campos, M.A. 10604 [CDS], Tehler, A. 8615 [CDS], Bungartz, F. 8412 [CDS], Yánez-Ayabaca, A. 1561 [CDS], Yánez-Ayabaca, A. 1591 [CDS], Bungartz, F. 9554 [CDS], Bungartz, F. 9783 [CDS], Yánez-Ayabaca, A. 2009 [CDS]

Ramalina montagnei De Not.

[*Ramalina rigida f. montagnei* (De Not.) Tuck., *Ramalina rigida var. montagnei* (De Not.) Tuck.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Aptroot & Bungartz (2007); Aptroot, A. 63672 [CDS], Aptroot, A. 64183 [CDS], Aptroot, A. 64189 [CDS], Aptroot, A. 64133 [CDS], Aptroot, A. 64146 [CDS], Aptroot, A. 64147 [CDS], Aptroot, A. 64150 [CDS], Aptroot, A. 64161 [CDS], Aptroot, A. 64481 [CDS], Aptroot, A. 65366 [CDS], Bungartz, F. 6556 [CDS], Bungartz, F. 6555 [CDS], Bungartz, F. 6076 [CDS], Bungartz, F. 6015 [CDS], Bungartz, F. 7042 [CDS], Ertz, D. 12014 [CDS], Bungartz, F. 7562 [CDS], Bungartz, F. 7900 [CDS], Bungartz, F. 7909 [CDS], Bungartz, F. 7969 [CDS], Truong, C. 1503 [CDS], Truong, C. 1517 [CDS], Clerc, P. 08-12 [CDS], Clerc, P. 08-353 [CDS], Herrera-Campos, M.A. GAL-444 [CDS], Bungartz, F. 9598 [CDS], Bungartz, F. 10009 [CDS], Spielmann, A.A. 10752 [CDS]

Ramalina peruviana Ach.

[*Desmazieria peruviana* (Ach.) Follmann & Huneck, *Fistulariella javanica* (Nyl.) Bowler & Rundel, *Ramalina farinacea var. dendroides* Müll.Arg., *Ramalina farinacea var. squarrosa* Müll.Arg., *Ramalina javanica* Nyl., *Ramalina roesleri var. isidiotyla* Vain.]

parasitized by *Lichenostigma maureri*, source: Landrón (1972), Weber (1981, 1986), Kashiwadani (1987), Elix & McCarthy (1998), Aptroot & Bungartz (2007), Benítez et al. (2012, 2015), Etayo (2017), Chuquimarca et al. (2019); Aptroot, A. 63684 [CDS], Aptroot, A. 63390 B [CDS], Aptroot, A. 63774 [CDS], Aptroot, A. 64750 [CDS], Aptroot, A. 63938 A [CDS], Aptroot, A. 65038 [CDS], Aptroot, A. 64059 [CDS], Bungartz, F. 4008 [CDS], Bungartz, F. 5238 [CDS], Aptroot, A. 64221 [CDS], Aptroot, A. 64289 [CDS], Aptroot, A. 63959 [CDS], Aptroot, A. 64138 [CDS], Aptroot, A. 64174 [CDS], Aptroot, A. 64152 [CDS], Bungartz, F. 5542 [CDS], Bungartz, F. 5543 [CDS], Bungartz, F. 6110 [CDS], Bungartz, F. 6282 [CDS], Bungartz, F. 6618 [CDS], Bungartz, F. 6532 [CDS], Nugra, F. 188 [CDS], Nugra, F. 202 [CDS], Bungartz, F. 6918 [CDS], Ertz, D. 11843 [CDS], Nugra, F. 495 [CDS], Nugra, F. 497 [CDS], Nugra, F. 498 [CDS], Nugra, F. 499 [CDS], Nugra, F. 502 [CDS], Nugra, F. 503 [CDS], Nugra, F. 510 [CDS], Nugra, F. 511 [CDS], Nugra, F. 512 [CDS], Nugra, F. 513 [CDS], Nugra, F. 514 [CDS], Nugra, F. 515 [CDS], Nugra, F. 516 [CDS], Nugra, F. 520 [CDS], Nugra, F. 521 [CDS], Nugra, F. 522 [CDS], Nugra, F. 526 [CDS], Bungartz, F. 7464 [CDS], Bungartz, F. 7465 [CDS], Bungartz, F. 7485 [CDS], Bungartz, F. 7531 [CDS], Bungartz, F. 7864 [CDS], Nugra, F. 579 [CDS], Truong, C. 1214 [CDS], Truong, C. 1531 [CDS], Clerc, P. 08-185 [CDS], Clerc, P. 08-186 [CDS], Clerc, P. 08-224 [CDS], Clerc, P. 08-360 [CDS], Herrera-Campos, M.A. 10613 [CDS], Herrera-Campos, M.A. 10622 [CDS], Herrera-Campos, M.A. 10661 [CDS], Herrera-Campos, M.A. 10663 [CDS], Herrera-Campos, M.A. 10664 [CDS], Tehler, A. 8674 [CDS], Bungartz, F. 8295 [CDS], Bungartz, F. 8485 [CDS], Bungartz, F. 8500 [CDS], Bungartz, F. 8571 [CDS], Bungartz, F. 8572 [CDS], Herrera-Campos, M.A. GAL-448 [CDS], Herrera-Campos, M.A. 10906 [CDS], Hillmann, G. GAL-11 [CDS], Hillmann, G. GAL-18 [CDS], Hillmann, G. GAL-59 [CDS], Hillmann, G. GAL-63 [CDS], Hillmann, G. GAL-105 [CDS], Hillmann, G. GAL-92 [CDS], Nugra, F. 873 [CDS], Spielmann, A.A. 8229 [CDS], Bungartz, F. 9325 [CDS], Bungartz, F. 9445 [CDS], Yánez-Ayabaca, A. 1955 [CDS], Nugra, F. 1127 [CDS], Truong, C. 1154 [CDS], Jonitz, H. 63 [CDS], Truong, C. 1487 B [CDS], Herrera-Campos, M.A. GAL-447 B [CDS], Herrera-Campos, M.A. GAL-445 B [CDS], Benítez, A. 403 [HUTPL], Etayo, J. 20072 [hb. Etayo]

Ramalina pollinaria (Westr.) Ach.

[*Lichen pollinarius* Ach., *Parmelia pollinaria* (Westr.) Ach., *Ramalina fraxinea var. pollinaria* (Westr.) Fürnr., *Ramalina humilis* (Ach.) Röhl., *Ramalina pollinaria var. humilis* Ach., *Ramalina polymorpha var. humilis* (Ach.) A. Massal., *Ramalina squarrosa f. humilis* (Ach.) Oxner]

source: Zahlbruckner (1907)

Ramalina pollinaria f. multipartita Hepp

problematic, name not resolved, no modern record, source: Zahlbruckner (1905)

Ramalina polyforma Aptroot

endemic to Galapagos, IUCN: Vulnerable A3b,c (preliminary assessment); Type: Ecuador. Galápagos: Isla Santa Cruz, on coastal lava cliffs E of Puerto Ayora near Charles Darwin Research Station, 20 m alt., 29-May-2005, Aptroot, A. 63412 (CDS 30176 – holotype!; hb. Aptroot – isotype), source: Aptroot & Bungartz (2007); Aptroot, A. 64173 [CDS], Aptroot, A. 64180 [CDS], Aptroot, A. 64148 [CDS], Aptroot, A. 64380 [CDS], Aptroot, A. 63681 [CDS], Aptroot, A. 63411 [CDS], Aptroot, A. 63412 [CDS], Aptroot, A. 63425 [CDS], Aptroot, A. 63277 [CDS], Aptroot, A. 63281 [CDS], Aptroot, A. 64165 [CDS], Bungartz, F. 4503 [CDS], Bungartz, F. 3583 [CDS], Aptroot, A. 64046 [CDS], Aptroot, A. 63693 [CDS], Aptroot, A. 64369 [CDS], Aptroot, A. 64371 [CDS], Aptroot, A. 64372 [CDS], Aptroot, A. 64355 [CDS], Aptroot, A. 64402 [CDS], Aptroot, A. 64455 [CDS], Aptroot, A. 64458 [CDS], Aptroot, A. 64169 [CDS], Aptroot, A. 63680 [CDS], Aptroot, A. 63275 [CDS], Aptroot, A. 63276 B [CDS], Bungartz, F. 4500 [CDS], Bungartz, F. 4479 [CDS], Aptroot, A. 64019 [CDS], Aptroot, A. 63700 [CDS], Aptroot, A. 64457 [CDS], Aptroot, A. 65004 [CDS], Aptroot, A. 65656 [CDS], Aptroot, A. 64158 [CDS], Bungartz, F. 6506 [CDS], Bungartz, F. 5325 [CDS], Bungartz, F. 6079 [CDS], Bungartz, F. 7035 [CDS], Bungartz, F. 7041 [CDS], Ertz, D. 11679 [CDS], Bungartz, F. 7154 [CDS], Bungartz, F. 7285 [CDS], Truong, C. 1256 [CDS], Clerc, P. 08-60 [CDS], Clerc, P. 08-61 [CDS], Clerc, P. 08-62 [CDS], Clerc, P. 08-70 [CDS], Clerc, P. 08-71 [CDS], Clerc, P. 08-72 [CDS], Clerc, P. 08-73 [CDS], Clerc, P. 08-74 [CDS], Clerc, P. 08-273 [CDS], Herrera-Campos, M.A. 10772 [CDS], Bungartz, F. 8463 [CDS], Jonitz, H. 20 [CDS], Bungartz, F. 8794 [CDS], Bungartz, F. 8821 [CDS], Bungartz, F. 8849 [CDS], Bungartz, F. 9173 [CDS], Bungartz, F. 9781 [CDS], Bungartz, F. 9877 [CDS], Bungartz, F. 10080 [CDS]

Ramalina puiggarii Müll.Arg.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, in Weber (1986) as *Ramalina linearis*, fide Aptroot & Bungartz (2007), source: Aptroot & Bungartz (2007), Dodge (1935, 1936), Weber (1966, 1986); Aptroot, A. 63397 B [CDS], Aptroot, A. 63773 [CDS], Aptroot, A. 64748 [CDS], Aptroot, A. 64563 [CDS], Aptroot, A. 65033 [CDS], Bungartz, F. 4742 [CDS], Aptroot, A. 65146 [CDS], Aptroot, A. 65496 [CDS], Bungartz, F. 4729 [CDS], Bungartz, F. 6617 [CDS], Ertz, D. 11848 [CDS], Ertz, D. 11923 [CDS], Bungartz, F. 7510 [CDS], Bungartz, F. 7733 [CDS], Bungartz, F. 7780 [CDS], Truong, C. 1312 [CDS], Clerc, P. 08-321 [CDS], Clerc, P. 08-322 [CDS]

Ramalina sideriza Zahlbr.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Aptroot & Bungartz (2007); Aptroot, A. 65302 [CDS], Aptroot, A. 63678 [CDS], Aptroot, A. 63002 [CDS], Aptroot, A. 63679 [CDS], Aptroot, A. 64175 [CDS], Aptroot, A. 64181 [CDS], Aptroot, A. 64182 [CDS], Aptroot, A. 63673 [CDS], Aptroot, A. 64187 A [CDS], Aptroot, A. 63001 [CDS], Aptroot, A. 63127 [CDS], Aptroot, A. 64167 [CDS], Aptroot, A. 64171 [CDS], Bungartz, F. 3395 [CDS], Bungartz, F. 3396 A [CDS], Aptroot, A. 63698 [CDS], Aptroot, A. 64370 [CDS], Aptroot, A. 64358 [CDS], Aptroot, A. 64362 [CDS], Aptroot, A. 64374 [CDS], Bungartz, F. 5394 [CDS], Bungartz, F. 6174 [CDS], Bungartz, F. 6414 [CDS], Bungartz, F. 6403 [CDS], Bungartz, F. 6384 [CDS], Bungartz, F. 8811 [CDS], Bungartz, F. 8812 [CDS], Bungartz, F. 8828 [CDS], Bungartz, F. 8829 [CDS]

Ramalina sorediantha Nyl.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Aptroot & Bungartz (2007), Elix & McCarthy (1998), Weber (1981, 1986); Aptroot, A. 63771 [CDS], Ziemmeck, F. 702 [CDS], Bungartz, F. 4747 [CDS], Aptroot, A. 63103 [CDS], Aptroot, A. 63389 [CDS], Aptroot, A. 63744 B [CDS], Aptroot, A. 63745 B [CDS], Aptroot, A. 64191 [CDS], Aptroot, A. 64206 [CDS], Aptroot, A. 63037 [CDS], Aptroot, A. 64626 [CDS], Aptroot, A. 63772 [CDS], Aptroot, A. 64751 [CDS], Aptroot, A. 63939 [CDS], Aptroot, A. 63946 B [CDS], Aptroot, A. 63948 [CDS], Aptroot, A. 64565 [CDS], Aptroot, A. 64134 [CDS], Aptroot, A. 64149 [CDS], Aptroot, A. 64153 [CDS], Aptroot, A. 64159 [CDS], Bungartz, F. 3368 [CDS], Aptroot, A. 65046 [CDS], Aptroot, A. 63967 [CDS], Aptroot, A. 63844 [CDS], Aptroot, A. 64043 [CDS], Aptroot, A. 64060 [CDS], Aptroot, A. 65613 [CDS], Aptroot, A. 63701 [CDS], Bungartz, F. 4403 [CDS], Bungartz, F. 4940 [CDS], Bungartz, F. 4948 [CDS], Aptroot, A. 64218 [CDS], Aptroot, A. 64224 [CDS], Bungartz, F. 3499 [CDS], Bungartz, F. 5072 [CDS], Bungartz, F. 5073 [CDS], Bungartz, F. 5068 [CDS], Bungartz, F. 5069 [CDS], Bungartz, F. 5132 [CDS], Bungartz, F. 4919 [CDS], Aptroot, A. 65427 [CDS], Ziemmeck, F. 685 [CDS], Bungartz, F. 4577 [CDS], Bungartz, F. 4576 [CDS], Aptroot, A. 65369 [CDS], Aptroot, A. 65145 [CDS], Aptroot, A. 63973 [CDS], Bungartz, F. 3576 [CDS], Bungartz, F. 4806 [CDS], Aptroot, A. 63432 [CDS], Simbaña, W. 536 [CDS], Simbaña, W. 561 [CDS], Bungartz, F. 6190 [CDS], Bungartz, F. 5718 [CDS], Bungartz, F. 6554 [CDS], Bungartz, F. 5857 [CDS], Bungartz, F. 5873 [CDS], Bungartz, F. 5641 [CDS], Bungartz, F. 5121 [CDS], Bungartz, F. 6536 [CDS], Bungartz, F. 5901 [CDS], Nugra, F. 181 [CDS], Nugra, F. 435 [CDS], Bungartz, F. 6927 [CDS], Bungartz, F. 6998 [CDS], Bungartz, F. 7043 [CDS], Ertz, D. 11574 [CDS], Ertz, D. 11670 [CDS], Ertz, D. 11845 [CDS], Nugra, F. 523 [CDS], Bungartz, F. 7071 [CDS], Bungartz, F. 7157 [CDS], Bungartz, F. 7159 [CDS], Bungartz, F. 7503 [CDS], Bungartz, F. 7559 [CDS], Bungartz, F. 7560 [CDS], Bungartz, F. 7662 [CDS], Bungartz, F. 7686 [CDS], Bungartz, F. 7911 [CDS], Pozo, P. 2014 C [CDS], Pozo, P. 1993 A [CDS], Nugra, F. 633 [CDS], Truong, C. 1144 [CDS], Truong, C. 1145 [CDS], Truong, C. 1215 [CDS], Truong, C. 1277 [CDS], Truong, C. 1349 [CDS], Truong, C. 1351 [CDS], Truong, C. 1358 [CDS], Clerc, P. 08-11 [CDS], Clerc, P. 08-85 [CDS], Clerc, P. 08-184 [CDS], Clerc, P. 08-218 [CDS], Clerc, P. 08-223 [CDS], Clerc, P. 08-352 [CDS], Clerc, P. 08-359 [CDS], Clerc, P. 08-366 [CDS], Clerc, P. 08-422 [CDS], Clerc, P. 08-424 [CDS], Herrera-Campos, M.A. 10621 [CDS], Herrera-Campos, M.A. 10660 [CDS], Herrera-Campos, M.A. 10667 [CDS], Herrera-Campos, M.A. 10752 [CDS], Bungartz, F. 8296 [CDS], Bungartz, F. 8490 [CDS], Bungartz, F. 8553 [CDS], López, A. 653 [CDS], Hillmann, G. GAL-22 [CDS], Hillmann, G. GAL-145 [CDS], Hillmann, G. GAL-104 [CDS], Hillmann, G. GAL-112 [CDS], Hillmann, G. GAL-117 [CDS], Hillmann, G. GAL-119 [CDS], Nugra, F. 915 [CDS], Nugra, F. 913 [CDS], Bungartz, F. 8868 [CDS], Bungartz, F. 8909 [CDS], Bungartz, F. 8911 [CDS], Bungartz, F. 8913 [CDS], Bungartz, F. 8955 [CDS], Bungartz, F. 9148 [CDS], Bungartz, F. 9149 [CDS], Bungartz, F. 9262 [CDS], Bungartz, F. 9434 [CDS], Bungartz, F. 9846 [CDS], Bungartz, F. 10008 [CDS], Yánez-Ayabaca, A. 1744 [CDS], Yánez-Ayabaca, A. 1768 [CDS], Yánez-Ayabaca, A. 1924 [CDS], Yánez-Ayabaca, A. 1962 [CDS], Yánez-Ayabaca, A. 2093 [CDS], Spielmann, A.A. 10405 [CDS], Spielmann, A.A. 10469 [CDS], Nugra, F. 1118 [CDS], LeDee, O.E. OEL-00-09 C [CDS]

Ramalina sorediosa (B. de Lesd.) Landrón

[*Ramalina dasypoga var. sorediosa* B. de Lesd.]

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, In Weber (1986) as *Ramalina furcellata*, fide Aptroot & Bungartz (2007); in Stewart (1912) & Weber (1966, 1981) as *Ramalina farinacea*; in Dodge (1936) & Weber (1966) as *Ramalina dasypoga*, source: Aptroot & Bungartz (2007), Dodge (1936), Kashiwadani & Kalb (1993), Landrón (1972), Stewart (1912), Weber (1966, 1981, 1986); Bungartz, F. 5070 [CDS], Aptroot, A. 63318 [CDS], Aptroot, A. 63431 [CDS], Aptroot, A. 63745 A [CDS], Aptroot, A. 63220 B [CDS], Aptroot, A. 63225 A [CDS], Aptroot, A. 63381 [CDS]

Ramalina subpollinaria Nyl.

source: van den Boom et al. (2022)

Ramalina usnea (L.) R. Howe

[*Alectoria usneoides* (Ach.) Ach., *Lichen usnea* L., *Parmelia usneoides* Ach., *Ramalina usneoides* (Ach.) Mont., *Ramalina usneoides var. usneoides* Mont.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, according to Weber (1966) cited from Galapagos in Stewart (1912) and Linder (1934) as *Alectoria sarmentosa*, source: Landrón (1972), Aptroot & Bungartz (2007), Dodge (1936), Elix & McCarthy (1998), Linder (1934), Stewart (1912), Weber (1966, 1981, 1986); Luong, T.T. s.n. [CDS], Weber, W.A. s.n. [CDS], Luong, T.T. s.n. [CDS], Aptroot, A. 63301 [CDS], Aptroot, A. 63743 [CDS], Aptroot, A. 63226 A [CDS], Aptroot, A. 64186 [CDS], Bungartz, F. 5220 [CDS], Aptroot, A. 64753 [CDS], Aptroot, A. 63757 [CDS], Aptroot, A. 64142 [CDS], Bungartz, F. 3531 [CDS], Aptroot, A. 63958 B [CDS], Aptroot, A. 65024 [CDS], Bungartz, F. 5235 [CDS], Bungartz, F. 5027 [CDS], Bungartz, F. 5168 [CDS], Bungartz, F. 5170 [CDS], Bungartz, F. 4939 [CDS], Aptroot, A. 64220 [CDS], Bungartz, F. 4890 [CDS], Aptroot, A. 65370 [CDS], Aptroot, A. 64156 [CDS], Simbaña, W. 535 [CDS], Bungartz, F. 6557 [CDS], Bungartz, F. 6450 [CDS], Bungartz, F. 5661 [CDS], Bungartz, F. 5672 [CDS], Bungartz, F. 6283 [CDS], Bungartz, F. 6599 [CDS], Bungartz, F. 6007 [CDS], Ertz, D. 11578 [CDS], Jaramillo, P. 2874 [CDS], Jaramillo, P. 2877 [CDS], Jaramillo, P. 2878 [CDS], Jaramillo, P. 2882 [CDS], Jaramillo, P. 2903 [CDS], Jaramillo, P. 3055 A [CDS], Jaramillo, P. 3055 C [CDS], Nugra, F. 601 [CDS], Nugra, F. 602 [CDS], Bungartz, F. 4033 B [CDS], Truong, C. 1213 [CDS], Truong, C. 1243 [CDS], Truong, C. 1262 [CDS], Truong, C. 1352 A [CDS], Clerc, P. 08-18 [CDS], Clerc, P. 08-138 [CDS], Clerc, P. 08-189 [CDS], Clerc, P. 08-348 [CDS], Clerc, P. 08-407 [CDS], Clerc, P. 08-421 [CDS], Clerc, P. 08-425 A [CDS], Herrera-Campos, M.A. 10583 [CDS], Herrera-Campos, M.A. 10665 [CDS], Herrera-Campos, M.A. 10751 [CDS], Herrera-Campos, M.A. 10765 [CDS], Herrera-Campos, M.A. 10807 [CDS], Tehler, A. 8642 [CDS], Tehler, A. 8672 [CDS], Bungartz, F. 8199 [CDS], Bungartz, F. 8319 [CDS], Bungartz, F. 8413 [CDS], Bungartz, F. 8524 [CDS], Bungartz, F. 8546 [CDS], Herrera-Campos, M.A. GAL-443 [CDS], Herrera-Campos, M.A. GAL-447 A [CDS], Yánez-Ayabaca, A. 1487 [CDS]

Ramalina yemensis (Ach.) Nyl.

[*Ramalina fraxinea var. yemensis* Ach.]
problematic, no modern record; the record in Cevallos (2012) is based on Návas (1908) from Pifo (near Quito), source: Návas (1908), Cevallos (2012)

Ramboldia

Ramboldia heterocarpa (Fée) Kalb, Lumbsch & Elix

[*Lecidea heterocarpa* Fée, *Lecidea russula var. heterocarpa* (Fée) Müll.Arg.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Ertz, D. 11798 [CDS], Ertz, D. 11964 [CDS], Bungartz, F. 7418 [CDS], Bungartz, F. 7744 [CDS], Bungartz, F. 7794 [CDS], Aptroot, A. 64812 [CDS], Bungartz, F. 6788 [CDS], Bungartz, F. 6785 [CDS]

Ramonia

Ramonia valenzueliana (Mont.) Stizenb.

[*Gyalecta valenzueliana* (Mont.) Tuck., *Maronea porinoidea* Zahlbr., *Parmelia valenzueliana* Mont., *Secoliga valenzueliana* (Mont.) Müll.Arg.]
source: Benítez (2016), Benítez et al. (2019); Aptroot, A. 65300 [CDS], Aptroot, A. 64930 [CDS]

Reconditella

Reconditella physconiarum Matzer & Hafellner

* = lichenicolous fungi (parasites on living lichens); on *Phaeophyscia* cf. *hispidula* and *Physcia* sp., source: Etayo (2017); J. Etayo 25337 [hb. Etayo], Etayo, J. 25337 [QCAM]

Redingeria

Redingeria glyphica (Nyl.) Frisch

[*Ocellularia glyphica* (Nyl.) Hale, *Phaeotrema glyphicum* (Nyl.) Zahlbr., *Phaeotrema glyphicum var. glyphicum* (Nyl.) Zahlbr., *Rhabdodiscus glyphicus* (Nyl.) Vain., *Thelotrema glyphicum* Nyl.]
source: Fernández-Prado et al. (2022)

Redonographa

Redonographa galapagoensis Bungartz & Lücking

endemic to Galapagos, Type: Ecuador. Galápagos: Isla Santiago, ca. 5 km inland from the E-coast; 0° 16' S, 90° 37' W; Bungartz 5208 (CDS 29421 – holotype!) ; previously reported as *Carbacanthographis saxiseda* (Bungartz et al., 2010) but was found to represent an undescribed taxon (Lücking et al. 2013), source: Lücking et al. (2103), Bungartz et al. (2009), Elix & McCarthy (1998), Weber (1993); Bungartz, F. 5208 [CDS]

Redonographa saxorum (Egea & Torrente) Lücking & Tehler

[*Carbacanthographis saxorum* (Egea & Torrente) Lücking & Bungartz, *Graphis saxorum* Egea & Torrente]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2009) and Lücking et al. (2103)

Refractohilum

Refractohilum peltigerae (Keissler) D. Hawksw.

[*Ovularia peltigerae* Keissl.]
* = lichenicolous fungi (parasites on living lichens); on *Peltigera soredians* and other *Peltigera* species, source: Etayo (2017); J. Etayo 19920 [hb. Etayo], J. Etayo 26309 [hb. Etayo]

Reichlingia

Reichlingia anombrophila (Coppins & P. James) Frisch

[*Arthonia anombrophila* Coppins & P. James]
source: van den Boom et al. (2022)

Reimnitzia

Reimnitzia santensis (Tuck.) Kalb

[*Leptotrema heterosporum* (C. Knight) Zahlbr., *Leptotrema mastoideum* Müll.Arg., *Leptotrema santense* (Tuck.) Zahlbr., *Thelotrema heterosporum* C. Knight, *Thelotrema santense* Tuck.]
source: Bustamante et al. (2018)

Relicina

Relicina abstrusa (Vain.) Hale

[*Parmelia abstrusa* Vain., *Parmelia abstrusa f. abstrusa* Vain., *Parmelia abstrusa var. abstrusa* Vain.]
source: Nöske (2005), Nöske et al. (2007), Benítez et al. (2012, 2015); Benítez, A. 406 [HUTPL]

Relicina limbata (Laurer) Hale

[*Parmelia insinuata* Nyl., *Parmelia limbata* Laurer, *Parmelia limbata f. limbata* Laurer, *Parmelia sphaerospora* Nyl., *Pseudoparmelia sphaerospora* (Nyl.) Hale]
problematic, name not resolved, no modern record, the record in Cevallos (2012) is based on Leighton (1866), source: Leighton (1866), Cevallos (2012)

Remototrachyna

Remototrachyna consimilis (Vain.) Flakus, Kukwa & Sipman

[*Hypotrachyna consimilis* (Vain.) Hale, *Parmelia consimilis* Vain.]
source: Nöske et al. (2007)

Remototrachyna costaricensis (Nyl.) Divakar & A. Crespo

[*Canoparmelia cassa* Marcelli & C.H. Ribeiro, *Hypotrachyna congenita* Kurok. & K.H. Moon, *Hypotrachyna costaricensis* (Nyl.) Hale, *Parmelia amoena* Zahlbr., *Parmelia costaricensis* Nyl., *Parmelia deformis* (Vain.) Vain., *Parmelia hypotrachyna* Nyl., *Parmelia sublaevigata f. isidiosa* Müll. Arg., *Parmelia tropica* Vain., *Parmelia tropica var. deformis* Vain., *Parmelia tropica var. tropica* Vain., *Parmelinella inexplicabilis* Marcelli & C.H. Ribeiro]
source: Weber (1986), Elix & McCarthy (1998), Nöske & Sipman (2004), Paroly & Kürschner (2004), Nöske (2005), Mandl (2007), Nöske et al. (2007), Sipman et al. (2009), Yánez-Ayabaca (2009), Benítez et al. (2012, 2015), Benítez (2016), Chuquimarca et al. (2019), van den Boom et al. (2022); K. Kalb 19274 [WIS], Aptroot, A. 65318 [CDS], Aptroot, A. 63172 [CDS], Aptroot, A. 63790 [CDS], Aptroot, A. 64506 [CDS], Bungartz, F. 4154 [CDS], Bungartz, F. 5606 [CDS], Bungartz, F. 6868 [CDS], Bungartz, F. 6885 [CDS], Bungartz, F. 6886 [CDS], Bungartz, F. 7994 [CDS], Bungartz, F. 8754 [CDS], Bungartz, F. 6863 B [CDS], Bungartz, F. 6880 [CDS], Bungartz, F. 6842 [CDS], Benítez, A. 233 [HUTPL], Arvidsson... 7239 [GB], Arvidsson... 1851 [GB], Arvidsson... 1879 [GB], Arvidsson... 3752 [GB], Arvidsson... 3753 [GB], Arvidsson... 3709 [GB], Lindström... 2353 [GB], Arvidsson... 1275 [GB], Arvidsson... 2081 [GB], Arvidsson... 52 [GB], Arvidsson... 25 [GB], Arvidsson... 364 [GB], Arvidsson... 6803 [GB], Arvidsson... 6427 [GB], Arvidsson... 6411 [GB], Arvidsson... 4078 [GB]

Remototrachyna rhabdiformis (Kurok.) Divakar & A. Crespo

[*Hypotrachyna rhabdiformis* (Kurok.) Hale, *Parmelia rhabdiformis* Kurok.]
source: Sipman et al. (2009); K. Kalb 18102 [WIS], K. Kalb 18085 [WIS]

Remototrachyna singularis (Hale) Flakus, Kukwa & Sipman

[*Hypotrachyna singularis* (Hale) Hale, *Parmelia singularis* Hale]
source: Sipman et al. (2009), Mandl (2007); L. Arvidsson & D. Nilson 1269 [US], Arvidsson... 1327 [GB], Arvidsson... 1269 [GB]

Rexiella

Rexiella fuliginosa (Filson) S. Stenroos, Pino-Bodas & Ahti

[*Cladia fuliginosa* Filson , *Rexia fuliginosa* (Filson) S. Stenroos, Pino-Bodas and Ahti]
source: Ahti (1992), Ahti (2000), González et al. (2017a, b, 2019), van den Boom et al. (2022); Molau... 2830 [GB], Holm-Nielsen... 4868 [GB], Arvidsson, Lars et al. 7033 [GB], Løjtnant, Bernt et al. 14811 [GB], Arvidsson, Lars et al. 7033 [GB], Arvidsson, Lars et al. 7033 [GB], González Y. YG 0135 [INABIOEC-MECN-QCNE], Etayo, J. 25857 [hb. Etayo]

Rhabdodiscus

Rhabdodiscus emersus (Kremp.) Rivas Plata, Lücking & Lumbsch

[*Ocellularia emersa* (Kremp.) Müll. Arg., *Phaeotrema emersum* (Kremp.) Zahlbr., *Stegobolus emersus* (Kremp.) Frisch & Kalb, *Thelotrema emersum* Kremp.]
source: Nöske et al. (2007); Nöske et al. (2007); Klara Scharnagl 2143 [MSC]

Rhabdodiscus isidiifer (Hale) Rivas Plata, Lücking & Lumbsch

[*Ocellularia isidiifera* Hale, *Stegobolus isidiiferus* (Hale) Frisch]
source: Nöske et al. (2007)

Rhabdodiscus subemersus (Müll. Arg.) Rivas Plata, Lücking & Lumbsch

[*Ocellularia subemersa* Müll.Arg., *Stegobolus subemersus* (Müll. Arg.) Frisch]
source: Nöske et al. (2007)

Rhagadostomella

Rhagadostomella gregaria Etayo

* = lichenicolous fungi (parasites on living lichens); on *Sticta sylvatica*, source: Etayo (2017); Etayo, J. 25388 [hb. Etayo]

Rhizocarpon

Rhizocarpon disporum (Naeg. ex Hepp) Müll.Arg.

[*Buellia montagnei* (Flot.) Tuck., *Lecidea dispora* Nägeli ex Hepp, *Rhizocarpon disporum var. montagnei* (Flot.) Zahlbr., *Rhizocarpon montagnei* Körb., *Rhizocarpon montagnei f. montagnei* Körb.]
problematic, no modern record, source: Müller (1879), Romeguère (1879)

Rhizocarpon geminatum Körb.

[*Aspicilia cinerea f. concreta* (Ach.) Lederer nom. rejic., *Biatorina concreta* (Ach.) Mudd nom. rejic., *Buellia concreta* Eckf., *Catillaria concreta* (Ach.) A. Massal. nom. rejic., *Catocarpus concretus* (Ach.) Arnold nom. rejic., *Catocarpus seductus var. concretus* (Ach.) Eitner, *Diplotomma petraeum var. concretum* (Ach.) Jatta nom. rejic., *Lecidea atroalba var. concreta* Ach. nom. rejic., *Lecidea concreta* (Ach.) Nyl. nom. rejic., *Lecidea concreta f. geminata* (Körb.) Vain., *Lecidea confervoides var. concreta* (Ach.) Schaer., *Lecidea geminata* Nyl., *Lecidea petraea f. concreta* (Ach.) Nyl. nom. rejic., *Lecidea petraea var. geminata* (Körb.) Boistel, *Patellaria concreta* (Ach.) Müll. Arg. nom. rejic., *Rhizocarpon concretum* (Ach.) Zahlbr. nom. rejic., *Rhizocarpon concretum f. geminatum* (Körb.) Vain., *Rhizocarpon montagnei f. geminatum* (Körb.) Arnold, *Rhizocarpon petraeum var. concretum* (Ach.) Boistel, *Rhizocarpon petraeum var. geminatum* (Körb.) Boistel]
parasitized by *Muellerella erratica*, *Muellerella ventosicola*, and *Polycoccum versisporum*, source: Etayo (2017)

Rhizocarpon geographicum (L.) DC.

[*Buellia geographica* Räsänen, *Diplotomma geographicum* (L.) Jatta, *Lecidea atrovirens var. geographica* (L.) Ach., *Lecidea geographica* (L.) Rebent., *Lecidea geographica f. conglomerata* Fr., *Lecidea geographica f. geographica* (L.) Rebent., *Lecidea geographica f. sorediata* Croz., *Lecidea geographica f. subcinerascens* Nyl., *Lecidea geographica f. urceolata* Schaer., *Lecidea geographica var. albohypothallina* Maheu & Werner, *Lecidea geographica var. contigua* Schaer., *Lecidea geographica var. cyanodes* Nyl., *Lecidea geographica var. cyclopica* Nyl., *Lecidea geographica var. geographica* (L.) Rebent., *Lecidea geographica var. pulverulenta* Schaer., *Leproncus geographicus* (L.) A. St.-Hil., *Lichen geographicus* L., *Patellaria geographica* (L.) Duby, *Rhizocarpon diabasicum* Räsänen, *Rhizocarpon diabasicum f. diabasicum* Räsänen, *Rhizocarpon diabasicum f. smaragdina* Räsänen, *Rhizocarpon geographicum f. geographicum* (L.) DC., *Rhizocarpon geographicum f. urceolatum* (Schaer.) Körb., *Rhizocarpon geographicum subsp. arcticum* (Runemark) Hertel, *Rhizocarpon geographicum subsp. diabasicum* (Räsänen) Poelt & V?zda, *Rhizocarpon geographicum subsp. frigidum* (Räsänen) Hertel, *Rhizocarpon geographicum subsp. kittilense* (Räsänen) R. Sant., *Rhizocarpon geographicum subsp. lindsayanum* (Räsänen) R. Sant., *Rhizocarpon geographicum subsp. prospectans* (Räsänen) D. Hawksw. & Sowter, *Rhizocarpon geographicum var. urceolatum*, *Rhizocarpon kittilense* Räsänen, *Rhizocarpon lindsayanum subsp. kittilense* (Räsänen) Runemark, *Rhizocarpon prospectans* Räsänen, *Rhizocarpon riparium subsp. lindsayanum* (Räsänen) J.W. Thomson, *Rhizocarpon semilecanorinum var. atlanticum* Räsänen, *Rhizocarpon tinei subsp. arcticum* Runemark, *Rhizocarpon tinei subsp. diabasicum* (Räsänen) Runemark, *Rhizocarpon tinei subsp. frigidum* (Räsänen) Runemark, *Rhizocarpon tinei subsp. prospectans* (Räsänen) Runemark, *Rhizocarpon tinei subsp. vulgare* Runemark, *Rhizocarpon urceolatum* (Schaer.) Räsänen, *Urceolaria geographica* (L.) Link, *Verrucaria geographica* (L.) F.H. Wigg.]
problematic, no modern record, source: Humboldt & Bonpland (1807)

Rhizocarpon reductum Th. Fr.

[*Rhizocarpon obscuratum f. reductum* (Th. Fr.) Schade, *Rhizocarpon obscuratum var. reductum* (Th. Fr.) Eitner]
source: Nöske et al. (2007)

Rhizocarpon tungurahuae Etayo & Palice

* = lichenicolous fungi (parasites on living lichens); on cf. *Gyalidea* sp., Holotype PRA, Etayo & Palice 3493, source: Etayo (2017)

Rhymbocarpus

Rhymbocarpus ericetorum (Körb.) Etayo, Diederich & Ertz

[*Arthonia ericetorum* (Flot. ex Körb.) Clauzade, Diederich & Cl. Roux nom. inval., *Celidium ericetorum* (Flot. ex Körb.) Rehm, *Gelatinopsis ericetorum* (Flot. ex Körb.) Rambold & Triebel, *Lecidea ericetorum* (Körb.) H. Olivier, *Nesolechia ericetorum* Flot. ex Körb., *Phacopsis ericetorum* (Flot.) Vouaux, *Stigmatidium ericetorum* Flot. ex Körb.]
* = lichenicolous fungi (parasites on living lichens); on cf. *Dibaeis*, source: Etayo (2017); Etayo, J. 17354 [hb. Etayo]

Ricasolia

Ricasolia quercizans (Michx.) Stizenb.

[*Lobaria quercizans* Michaux, *Lobaria quercizans f. quercizans* Michx., *Lobaria quercizans var. quercizans* Michx., *Sticta quercizans* (Michx.) Ach., *Stictina quercizans* Nyl., *Stictina quercizans var. ornata* Müll. Arg.]
problematic, cited in Müller (1879) as *Stictina quercizans* var. *ornata*; despite the epithet it is not clear, if the name refers to *Emmanuelia ornata* or if it should be considered a synonym of *Ricasolia quercizans*, a species that Leighton (1866) reports as *Stictina quercizans*; no modern records have been confirmed for Ecuador, source: Müller (1879; as *Stictina quercizans* var. *ornata* Müll. Arg.), Leighton (1866; as *Stictina quercizans* (Michx.) Nyl.)

Rinodina

Rinodina colobinoides (Nyl.) Zahlbr.

[*Lecanora colobinoides* Nyl., *Rinodina sipmanii* Aptroot]
source: Bungartz et al. (2016), van den Boom & Elix (2022); Aptroot, A. 65451 [CDS]

Rinodina conradii Körb.

[*Lecanora conradii* (Körb.) Nyl., *Merorinis conradii* (Körb.) Clem., *Pachysporaria conradii* (Körb.) M. Choisy]
* = lichenicolous fungi (parasites on living lichens); on *Punctelia stictica*, source: Etayo (2017), van den Boom & Elix (2022); Etayo, J. 25673 [hb. Etayo]

Rinodina cryptolecanorina Bungartz & Giralt

native, questionably endem., Holotype: Weber 433 [COLO 190377; L-40874], source: Bungartz et al. (2016)

Rinodina diminutiva Giralt & Elix

native, questionably endem., Holotype: Aptroot 63706 [CDS 30261], source: Bungartz et al. (2016); Aptroot, A. 63706 [CDS], Aptroot, A. 63702 [CDS], Aptroot, A. 64205 B [CDS], Bungartz, F. 9212 [CDS]

Rinodina dolichospora Malme

source: van den Boom & Elix (2022)

Rinodina erysiphaea (Nyl.) Zahlbr.

[*Lecanora erysiphaea* Nyl.]
K. Kalb & A. Kalb 1987-08-27 [UPS], COLO-L-0092042 [COLO], 41871 [TNS]

Rinodina ficta (Stizenb.) Zahlbr.

[*Lecanora ficta* Stizenb.]
source: van den Boom & Elix (2022)

Rinodina galapagoensis Giralt & Bungartz

endemic to Galapagos, Holotype: Nugra 486 [CDS 37047], source: Bungartz et al. (2016); Aptroot, A. 64205 A [CDS], Bungartz, F. 5415 [CDS], Bungartz, F. 6197 [CDS], Bungartz, F. 6210 [CDS], Bungartz, F. 3367 [CDS], Bungartz, F. 4480 [CDS], Bungartz, F. 5237 [CDS], Bungartz, F. 5258 [CDS], Aptroot, A. 64379 [CDS], Aptroot, A. 64411 [CDS], Nugra, F. 486 [CDS], Bungartz, F. 7169 [CDS], Bungartz, F. 7381 [CDS], Bungartz, F. 7871 [CDS], Bungartz, F. 7913 [CDS], Yánez-Ayabaca, A. 1598 [CDS], Bungartz, F. 8819 [CDS], Bungartz, F. 8826 [CDS], Bungartz, F. 8865 [CDS], Bungartz, F. 8880 [CDS], Bungartz, F. 9007 [CDS], Bungartz, F. 9056 A [CDS], Bungartz, F. 9773 [CDS], Bungartz, F. 9814 [CDS], Bungartz, F. 9820 [CDS], Aptroot, A. 63023 [CDS], Aptroot, A. 63010 [CDS], Aptroot, A. 64204 [CDS], Bungartz, F. 10082 [CDS], Bungartz, F. 10087 A [CDS], Aptroot, A. 63069 [CDS], Bungartz, F. 6045 [CDS], Bungartz, F. 5655 [CDS], Bungartz, F. 6371 [CDS], Bungartz, F. 6372 [CDS], Bungartz, F. 6012 [CDS], Bungartz, F. 6478 [CDS], Nugra, F. 110 [CDS], Nugra, F. 459 [CDS], Bungartz, F. 7204 [CDS], Bungartz, F. 7211 [CDS], Bungartz, F. 7218 [CDS], Bungartz, F. 7224 [CDS], Bungartz, F. 7230 [CDS], Jonitz, H. 6 [CDS], Yánez-Ayabaca, A. 1719 [CDS], Bungartz, F. 8942 [CDS], Bungartz, F. 9036 [CDS], Bungartz, F. 9196 [CDS], Bungartz, F. 9206 [CDS], Bungartz, F. 9392 [CDS], Yánez-Ayabaca, A. 1788 [CDS], Yánez-Ayabaca, A. 2046 [CDS]

Rinodina graciliforminica Giralt & Elix

endemic to Galapagos, Holotype: Bungartz 3886 [CDS 27768], source: Bungartz et al. (2016); Aptroot, A. 63683 [CDS], Bungartz, F. 5401 [CDS], Bungartz, F. 3416 A [CDS], Aptroot, A. 64543 [CDS], Aptroot, A. 64994 [CDS], Bungartz, F. 3441 [CDS], Bungartz, F. 6543 A [CDS], Aptroot, A. 64392 [CDS], Bungartz, F. 4785 [CDS], Bungartz, F. 7125 [CDS], Bungartz, F. 7247 A [CDS], Bungartz, F. 8450 [CDS], Bungartz, F. 8757 [CDS], Bungartz, F. 4725 [CDS], Bungartz, F. 6547 A [CDS], Bungartz, F. 3439 A [CDS], Aptroot, A. 65664 [CDS], Bungartz, F. 3886 [CDS], Bungartz, F. 4402 [CDS]

Rinodina guianensis Aptroot

source: Bungartz et al. (2016), van den Boom & Elix (2022); Bungartz, F. 9146 [CDS], Bungartz, F. 10390 [CDS], Bungartz, F. 10444 [CDS], Bungartz, F. 10389 [CDS]

Rinodina gustafmalmei Giralt & Sheard

native, questionably endem., Holotype: Bungartz 4745 [CDS 28856], source: Bungartz et al. (2016); Bungartz, F. 4745 [CDS], Bungartz, F. 4867 [CDS], Bungartz, F. 4872 [CDS], Bungartz, F. 6738 [CDS], Aptroot, A. 63711 [CDS], Bungartz, F. 4880 [CDS], Bungartz, F. 6712 [CDS], Bungartz, F. 6515 B [CDS]

Rinodina intermedia Bagl.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2016); Bungartz, F. 4153 [CDS]

Rinodina isabelina Giralt & Bungartz

endemic to Galapagos, Holotype: Bungartz 10362 [CDS 52602], source: Bungartz et al. (2016); Nugra, F. 1065 [CDS], Nugra, F. 1057 [CDS], Nugra, F. 1073 [CDS], Bungartz, F. 10362 [CDS], Bungartz, F. 10383 [CDS], Spielmann, A.A. 10507 [CDS], Bungartz, F. 10358 [CDS]

Rinodina lepida (Nyl.) Müll.Arg.

[*Huriopsis lepida* (Nyl.) S.Y. Kondr. & Lőkös, *Lecanora lepida* Nyl., *Lecidea lepida* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2016); Ertz, D. 11796 [CDS], Ertz, D. 11961 [CDS], Bungartz, F. 7565 [CDS], Bungartz, F. 7676 [CDS], Bungartz, F. 7726 [CDS], Bungartz, F. 8655 [CDS], Bungartz, F. 8663 [CDS], Bungartz, F. 8530 [CDS], Clerc, P. 08-308 [CDS], Clerc, P. 08-327 [CDS], Aptroot, A. 64784 [CDS], Bungartz, F. 7412 [CDS]

Rinodina nugrae Giralt & Bungartz

endemic to Galapagos, Holotype: Bungartz 4450 [CDS 28536], source: Bungartz et al. (2016); Bungartz, F. 6714 [CDS], Nugra, F. 10 [CDS], Aptroot, A. 64554 [CDS], Bungartz, F. 6314 [CDS], Aptroot, A. 65380 [CDS], Bungartz, F. 4450 [CDS], Aptroot, A. 63088 A [CDS], Bungartz, F. 4589 [CDS], Bungartz, F. 3895 [CDS], Aptroot, A. 65188 A [CDS], Bungartz, F. 3890 [CDS], Aptroot, A. 64883 [CDS], Bungartz, F. 4792 [CDS]

Rinodina oxydata (A. Massal.) A. Massal.

[*Berengeria oxydata* A. Massal., *Buellia discolor* (Hepp) Anzi, *Buellia discolor var. discolor* (Hepp) Anzi, *Lecidea discolor* Hepp, *Mischoblastia oxydata* A. Massal., *Rinodina biatorina* Körb., *Rinodina discolor* (Hepp) Arnold, *Rinodina discolor var. discolor* (Hepp) Arnold, *Rinodina subarenaria* A.L. Sm.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2016); Aptroot, A. 65286 [CDS], Bungartz, F. 4705 [CDS], Bungartz, F. 4707 [CDS], Aptroot, A. 65463 [CDS], Bungartz, F. 4719 [CDS], Bungartz, F. 5632 [CDS], Bungartz, F. 4696 [CDS], Bungartz, F. 3872 [CDS], Aptroot, A. 63712 B [CDS], Aptroot, A. 64888 [CDS], Aptroot, A. 64991 [CDS]

Rinodina rinodinoides (Anzi) H. Mayrh. & Scheidegger

[*Buellia rinodinoides* Anzi, *Lecidea rinodinoides* (Anzi) Stizenb.]

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 4160 [CDS]

Rinodina santae-monicae H. Magn.

[*Rinodina thomsonii* Sheard]
source: van den Boom & Elix (2022)

Rinodina stictica Sheard & Tønsberg

Z. Palice 1999-07-12 [BG]

Rinodina subtubulata (C. Knight) Zahlbr.

[*Blastenia subtubulata* (C. Knight) Müll. Arg., *Lecidea subtubulata* C. Knight]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2016); Bungartz, F. 6515 A [CDS]

Rinodina unica Giralt & Sheard

endemic to Galapagos, Holotype: Bungartz 4963 [CDS 29176], source: Bungartz et al. (2016); Bungartz, F. 4963 [CDS], Bungartz, F. 5638 [CDS], Aptroot, A. 63687 [CDS], Aptroot, A. 63712 A [CDS], Bungartz, F. 8680 [CDS], Aptroot, A. 65742 [CDS], Aptroot, A. 63267 [CDS], Bungartz, F. 6515 C [CDS]

Roccella

Roccella albida Tehler

endemic to Galapagos, IUCN: Vulnerable A3b,c (preliminary assessment); Holotype: Tehler 8653 [CDS 40614], source: Tehler et al. (2009); Aptroot, A. 64540 [CDS], Bungartz, F. 3605 [CDS], Aptroot, A. 65706 [CDS], Bungartz, F. 4795 [CDS], Bungartz, F. 6507 [CDS], Bungartz, F. 6300 [CDS], Bungartz, F. 6696 [CDS], Truong, C. 1525 [CDS], Clerc, P. 08-279 [CDS], Clerc, P. 08-280 [CDS], Tehler, A. 8653 [CDS], Tehler, A. 8659 [CDS], Tehler, A. 8683 [CDS], Tehler, A. 8733 [CDS], Tehler, A. 8737 [CDS], Tehler, A. 8750 [CDS], Tehler, A. 8780 [CDS], Tehler, A. 8785 [CDS], Tehler, A. 8788 [CDS], Tehler, A. 8792 [CDS], Bungartz, F. 8842 [CDS]

Roccella galapagoensis Follmann

[*Roccella capitata* B. Werner nom. inval., *Roccella colonii* Follmann, *Roccella fusca* B. Werner pro syn. et nom. nud., *Roccella geniculata* Follmann & B. Werner, *Roccella glebaria* B. Werner & Follmann, *Roccella obscurissima* Follmann & B. Werner]
endemic to Galapagos, Holotype of *R. galapagoensis*: Weber, W.A. s.n. [L-39130, B-128674 (Follmann, G. 25153); holotype of *R. colonii*: Weber, W.A. s.n. & Lanier, J. (COLO-294638); holotype of *R. geniculata* (= *R. fusca* nom. nud.): Pike 2519 (COLO-255637); holotype of *R. glebaria*: Sánchez-Pinto 6610-C [B-128667 (should be in TFMC 6610-C)]; holotype of *R. obscurissima*: Sánchez-Pinto 5070 (B-128640, previously in KOELN 34029); original material of *Roccella capitata* nom. inval.: Sánchez-Pinto 6609 (B-128701), source: Weber (1981, 1986), Elix & McCarthy (1998), Schofield (1984), Follmann (2001), Tehler (2007), Tehler et al. (2009); Bungartz, F. 5193 [CDS], Weber, W.A. s.n. [CDS], Aptroot, A. 64718 [CDS], Aptroot, A. 64443 [CDS], Nugra, F. 131 [CDS], Ertz, D. 11622 [CDS], Ertz, D. 11651 [CDS], Nugra, F. 481 [CDS], Bungartz, F. 7143 [CDS], Tehler, A. 8609 [CDS], Tehler, A. 8610 [CDS], Tehler, A. 8651 [CDS], Tehler, A. 8652 [CDS], Tehler, A. 8657 [CDS], Tehler, A. 8660 [CDS], Tehler, A. 8661 [CDS], Tehler, A. 8662 [CDS], Tehler, A. 8667 [CDS], Tehler, A. 8684 [CDS], Tehler, A. 8697 [CDS], Tehler, A. 8698 [CDS], Tehler, A. 8708 [CDS], Tehler, A. 8717 [CDS], Tehler, A. 8725 [CDS], Tehler, A. 8727 [CDS], Tehler, A. 8728 [CDS], Tehler, A. 8732 [CDS], Tehler, A. 8739 [CDS], Tehler, A. 8741 [CDS], Tehler, A. 8742 [CDS], Tehler, A. 8757 [CDS], Tehler, A. 8758 [CDS], Tehler, A. 8763 [CDS], Tehler, A. 8767 [CDS], Tehler, A. 8768 [CDS], Tehler, A. 8769 [CDS], Tehler, A. 8771 [CDS], Tehler, A. 8775 [CDS], Tehler, A. 8777 [CDS], Tehler, A. 8783 [CDS], Tehler, A. 8784 [CDS], Tehler, A. 8791 [CDS], Bungartz, F. 8689 [CDS], Jonitz, H. 12 [CDS], Bungartz, F. 8801 [CDS], Bungartz, F. 8803 [CDS], Bungartz, F. 9121 [CDS], Bungartz, F. 9169 [CDS]

Roccella gracilis Bory

[*Roccella babingtonii* Mont., *Roccella difficilis* Darb., *Roccella humboldtiana* Follmann, *Roccella mexicana* Vain., *Roccella montagnei var. peruensis* Kremp., *Roccella peruensis* (Kremp.) Darb.]
source: Darbishire (1935), Dodge (1935, 1936), Farlow (1902), Stewart (1912), Weber (1966, 1981, 1986), Elix & McCarthy (1998), Tehler (2002), Tehler et al. (2009), van den Boom et al. (2022); Luong, T.T. s.n. [CDS], Weber, W.A. s.n. [CDS], Bentley, P. 64 [CDS], Bungartz, F. 3851 [CDS], Aptroot, A. 63422 [CDS], Aptroot, A. 63438 [CDS], Aptroot, A. 63015 [CDS], Aptroot, A. 63302 [CDS], Bungartz, F. 5414 [CDS], Bungartz, F. 5329 [CDS], Bungartz, F. 4559 [CDS], Bungartz, F. 4558 [CDS], Bungartz, F. 3651 [CDS], Bungartz, F. 3876 [CDS], Bungartz, F. 5336 [CDS], Bungartz, F. 5234 [CDS], Bungartz, F. 4598 [CDS], Bungartz, F. 4628 [CDS], Bungartz, F. 4394 [CDS], Aptroot, A. 65334 [CDS], Aptroot, A. 64968 [CDS], Bungartz, F. 5350 [CDS], Bungartz, F. 5297 [CDS], Bungartz, F. 5261 [CDS], Bungartz, F. 4902 [CDS], Bungartz, F. 4467 [CDS], Bungartz, F. 4468 [CDS], Aptroot, A. 64465 [CDS], Bungartz, F. 3831 [CDS], Bungartz, F. 4518 [CDS], Bungartz, F. 4574 [CDS], Aptroot, A. 64375 [CDS], Bungartz, F. 3747 [CDS], Bungartz, F. 3766 [CDS], Bungartz, F. 3767 [CDS], Bungartz, F. 3855 [CDS], Bungartz, F. 4514 [CDS], Aptroot, A. 65005 [CDS], Bungartz, F. 4913 [CDS], Simbaña, W. 541 [CDS], Simbaña, W. 566 [CDS], Bungartz, F. 6162 [CDS], Bungartz, F. 6188 [CDS], Bungartz, F. 6085 [CDS], Bungartz, F. 6094 [CDS], Bungartz, F. 6075 [CDS], Bungartz, F. 5662 [CDS], Bungartz, F. 5664 [CDS], Bungartz, F. 5996 [CDS], Bungartz, F. 6383 [CDS], Bungartz, F. 6629 [CDS], Bungartz, F. 5983 [CDS], Nugra, F. 87 [CDS], Nugra, F. 97 [CDS], Ertz, D. 11624 [CDS], Nugra, F. 468 [CDS], Nugra, F. 483 [CDS], Bungartz, F. 7145 [CDS], Jaramillo, P. 2966 [CDS], Jaramillo, P. 2999 B [CDS], Jaramillo, P. 3002 A [CDS], Jaramillo, P. 3003 [CDS], Jaramillo, P. 3004 B [CDS], Jaramillo, P. 3005 [CDS], Jaramillo, P. 3007 A [CDS], Jaramillo, P. 3009 C [CDS], Jaramillo, P. 3010 A [CDS], Jaramillo, P. 3011 A [CDS], Jaramillo, P. 3024 A [CDS], Guézou, A. 225 [CDS], Truong, C. 1265 [CDS], Truong, C. 1491 [CDS], Truong, C. 1524 [CDS], Clerc, P. 08-14 [CDS], Clerc, P. 08-211 [CDS], Clerc, P. 08-281 [CDS], Clerc, P. 08-399 [CDS], Clerc, P. 08-401 [CDS], Herrera-Campos, M.A. 10753 [CDS], Herrera-Campos, M.A. 10776 [CDS], Tehler, A. 8613 [CDS], Tehler, A. 8614 [CDS], Tehler, A. 8618 [CDS], Tehler, A. 8619 [CDS], Tehler, A. 8640 [CDS], Tehler, A. 8654 [CDS], Tehler, A. 8658 [CDS], Tehler, A. 8663 [CDS], Tehler, A. 8665 [CDS], Tehler, A. 8686 [CDS], Tehler, A. 8687 [CDS], Tehler, A. 8696 [CDS], Tehler, A. 8701 [CDS], Tehler, A. 8706 [CDS], Tehler, A. 8712 [CDS], Tehler, A. 8714 [CDS], Tehler, A. 8715 [CDS], Tehler, A. 8721 [CDS], Tehler, A. 8722 [CDS], Tehler, A. 8731 [CDS], Tehler, A. 8736 [CDS], Tehler, A. 8740 [CDS], Tehler, A. 8745 [CDS], Tehler, A. 8752 [CDS], Tehler, A. 8756 [CDS], Tehler, A. 8761 [CDS], Tehler, A. 8770 [CDS], Tehler, A. 8779 [CDS], Tehler, A. 8786 [CDS], Bungartz, F. 8428 [CDS], Bungartz, F. 8452 [CDS], Bungartz, F. 8687 [CDS], Bungartz, F. 8688 [CDS], Jonitz, H. 3 [CDS], Jonitz, H. 18 [CDS], Dal-Forno, M. 1151 [CDS], Hillmann, G. GAL-4 [CDS], Hillmann, G. GAL-3 [CDS], Hillmann, G. GAL-2 [CDS], Hillmann, G. GAL-31 [CDS], Hillmann, G. GAL-32 [CDS], Nugra, F. 912 [CDS], Nugra, F. 874 [CDS], Rivas Plata, E. 4013 [CDS], Rivas Plata, E. 4012 [CDS], Spielmann, A.A. 8170 [CDS], Spielmann, A.A. 8174 [CDS], Spielmann, A.A. 8231 B [CDS], Spielmann, A.A. 8240 [CDS], Yánez-Ayabaca, A. 1562 [CDS], Yánez-Ayabaca, A. 1638 [CDS], Yánez-Ayabaca, A. 1706 [CDS], Bungartz, F. 8810 [CDS], Bungartz, F. 8827 [CDS], Bungartz, F. 8914 [CDS], Bungartz, F. 9018 [CDS], Bungartz, F. 9081 [CDS], Bungartz, F. 9137 [CDS], Bungartz, F. 9190 [CDS], Bungartz, F. 9217 [CDS], Bungartz, F. 9230 [CDS], Bungartz, F. 9236 [CDS], Bungartz, F. 9248 [CDS], Bungartz, F. 9780 [CDS], Bungartz, F. 10078 [CDS], Yánez-Ayabaca, A. 1786 [CDS], Yánez-Ayabaca, A. 1884 [CDS], Yánez-Ayabaca, A. 1980 [CDS], Yánez-Ayabaca, A. 2010 [CDS], Arturo, X. s.n. [CDS]

Roccella linearis (Ach.) Vain.

[*Roccella fuciformis f. linearis* (Ach.) Ach., *Roccella fuciformis var. linearis* Ach., *Roccella linearis var. linearis* (Ach.) Vain.]
source: van den Boom et al. (2022)

Roccella margaritifera B. Werner & Follmann

[*Roccella margaritifera f. octopodioides* B. Werner nom. inval., *Roccella octopodioides* Follmann nom. nud.]
endemic to Galapagos, according to Tehler (2009) the type of *Roccella margaritifera* is: Galapagos Islands, San Cristóbal, Lobería Pto Baquerizo, 1991, Sánchez-Pinto 6616 [holotype: B-128629 (Follmann no. 34900); isotype: TFMC], and the original material (not a type, because nom.nud. & nom. inval.) of '*R. octopodioides*' Follmann nom inval. (= '*Roccella margaritifera* f. *octopodioides* B. Werner nom. inval.) is: Galapagos Islands, Santa Cruz, Cerro Colorado, 1990, Sánchez-Pinto 7001 (B-128627) [transferred from KOELN 34900], source: Werner (2000), Follmann (2001), Tehler et al. (2009), Tehler (2007); Jäger, H. 262 [CDS], Bungartz, F. 3850 [CDS], Bungartz, F. 3854 [CDS], Aptroot, A. 63417 [CDS], Bungartz, F. 5397 [CDS], Bungartz, F. 5398 [CDS], Bungartz, F. 5370 A [CDS], Bungartz, F. 5315 [CDS], Bungartz, F. 4509 A [CDS], Bungartz, F. 4510 [CDS], Bungartz, F. 4512 [CDS], Bungartz, F. 4478 [CDS], Aptroot, A. 64365 [CDS], Aptroot, A. 63445 [CDS], Bungartz, F. 5395 [CDS], Bungartz, F. 5369 [CDS], Bungartz, F. 3582 [CDS], Bungartz, F. 3819 [CDS], Aptroot, A. 64389 [CDS], Bungartz, F. 3749 [CDS], Bungartz, F. 6033 [CDS], Bungartz, F. 6084 [CDS], Bungartz, F. 6061 [CDS], Bungartz, F. 6136 [CDS], Bungartz, F. 6574 [CDS], Nugra, F. 128 [CDS], Nugra, F. 129 [CDS], Nugra, F. 132 [CDS], Bungartz, F. 7022 [CDS], Bungartz, F. 7036 [CDS], Ertz, D. 11606 [CDS], Ertz, D. 11630 [CDS], Ertz, D. 11631 [CDS], Ertz, D. 11641 [CDS], Ertz, D. 11642 [CDS], Simbaña, W. 570 [CDS], Ertz, D. 11632 A [CDS], Clerc, P. 08-277 [CDS], Tehler, A. 8611 [CDS], Tehler, A. 8612 [CDS], Tehler, A. 8656 [CDS], Tehler, A. 8668 [CDS], Tehler, A. 8670 [CDS], Tehler, A. 8691 [CDS], Tehler, A. 8699 [CDS], Tehler, A. 8704 [CDS], Tehler, A. 8705 [CDS], Tehler, A. 8709 [CDS], Tehler, A. 8713 [CDS], Tehler, A. 8723 [CDS], Tehler, A. 8730 [CDS], Tehler, A. 8735 [CDS], Tehler, A. 8744 [CDS], Tehler, A. 8747 [CDS], Tehler, A. 8753 [CDS], Tehler, A. 8755 [CDS], Tehler, A. 8760 [CDS], Tehler, A. 8764 [CDS], Tehler, A. 8766 [CDS], Tehler, A. 8772 [CDS], Tehler, A. 8774 [CDS], Tehler, A. 8781 [CDS], Tehler, A. 8790 [CDS], Yánez-Ayabaca, A. 1573 [CDS], Yánez-Ayabaca, A. 1577 [CDS], Bungartz, F. 8802 [CDS], Bungartz, F. 8807 [CDS], Bungartz, F. 8844 [CDS], Bungartz, F. 8850 [CDS], Bungartz, F. 8851 [CDS], Bungartz, F. 9171 [CDS], Bungartz, F. 9179 [CDS], Bungartz, F. 9890 [CDS], Bungartz, F. 9891 [CDS], Bungartz,

F. 9892 [CDS], Jäger, H. s.n. [CDS], Bungartz, F. 5373 [CDS], Jonitz, H. 13 B [CDS], Arturo, X. s.n. [CDS], Arturo, X. s.n. [CDS], Arturo, X. s.n. [CDS], Arturo, X. s.n. [CDS], Arturo, X. s.n. [CDS]

Roccella nigerrima (Darb.) Follmann

[*Roccella botrytis* B. Werner pro syn. et nom. superfl., *Roccella floreana* B. Werner nom. orth., pro. syn. et nom superfl., *Roccella floribrassica* B. Werner, *Roccella floteana* Follmann nom. nud. et nom. laps, *Roccella incurvata* B. Werner pro syn. et nom. superfl., *Roccella kappeniana* Follmann & B. Werner, *Roccella stipitata* B. Werner & Follmann, *Roccella translucida* Follmann & B. Werner, *Roccellodea nigerrima* Darb.]
endemic to Galapagos, Lectotype selected by Tehler (2007): Hill s.n. (FH), source: Follmann (2001), Tehler (2007), Tehler et al. (2009); Aptroot, A. 63444 [CDS], Bungartz, F. 4508 [CDS], Bungartz, F. 4511 [CDS], Bungartz, F. 4475 [CDS], Bungartz, F. 4476 [CDS], Bungartz, F. 4477 [CDS], Aptroot, A. 64997 [CDS], Bungartz, F. 6090 [CDS], Bungartz, F. 6571 [CDS], Ertz, D. 11617 [CDS], Nugra, F. 482 [CDS], Bungartz, F. 7142 [CDS], Truong, C. 1522 [CDS], Truong, C. 1523 [CDS], Clerc, P. 08-278 [CDS], Tehler, A. 8655 [CDS], Tehler, A. 8666 [CDS], Tehler, A. 8669 [CDS], Tehler, A. 8685 [CDS], Tehler, A. 8692 [CDS], Tehler, A. 8700 [CDS], Tehler, A. 8703 [CDS], Tehler, A. 8707 [CDS], Tehler, A. 8710 [CDS], Tehler, A. 8718 [CDS], Tehler, A. 8724 [CDS], Tehler, A. 8729 [CDS], Tehler, A. 8738 [CDS], Tehler, A. 8743 [CDS], Tehler, A. 8746 [CDS], Tehler, A. 8749 [CDS], Tehler, A. 8751 [CDS], Tehler, A. 8754 [CDS], Tehler, A. 8759 [CDS], Tehler, A. 8765 [CDS], Tehler, A. 8773 [CDS], Tehler, A. 8776 [CDS], Tehler, A. 8782 [CDS], Tehler, A. 8789 [CDS], Bungartz, F. 4509 B [CDS], Bungartz, F. 5370 B [CDS], Jonitz, H. 13 A [CDS], Bungartz, F. 9240 [CDS]

Roccellina

Roccellina leptothalla (Malme) Ertz & Tehler

[*Chiodecton leptothallum* Malme, *Sigridea leptothalla* (Malme) Tehler]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Aptroot & Sparrius (2008)

Roccellographa

Roccellographa circumscripta (Leight.) Ertz & Tehler

[*Peterjamesia circumscripta* (Leight.) D. Hawksw., *Sagedia circumscripta* Leight., *Sclerophyton circumscriptum* (Taylor) Zahlbr., *Sclerophyton circumscriptum f. circumscriptum* (Leight.) Zahlbr., *Sclerophyton circumscriptum f. dendrizum* (Nyl.) Zahlbr., *Sclerophytonomyces circumscripti var. circumscripti* Cif. & Tomas., *Sclerophytonomyces circumscriptus* Sparrius & P. James, *Sclerophytonomyces circumscriptus var. circumscriptus* Sparrius & P. James, *Stigmatella circumscripta* (Leight.) Mudd, *Stigmatidium circumscriptum f. circumscriptum* (Leight.) Carroll, *Stigmatidium circumscriptum f. dendrizum* Nyl., *Verrucaria circumscripta* Taylor]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Aptroot & Sparrius (2008), Ertz & Tehler (2010); Bungartz, F. 6691 [CDS], Ertz, D. 11614 [CDS], Ertz, D. 11621 [CDS], Aptroot, A. 64353 [CDS], Bungartz, F. 4496 [CDS], Bungartz, F. 3750 [CDS], Clerc, P. 08-268 [CDS], Bungartz, F. 3603 [CDS], Bungartz, F. 3825 [CDS], Bungartz, F. 3820 [CDS], Bungartz, F. 3852 [CDS], Bungartz, F. 5955 [CDS], Ertz, D. 11816 [CDS], Aptroot, A. 63424 [CDS], Bungartz, F. 6698 [CDS], Bungartz, F. 8809 [CDS], Bungartz, F. 8841 [CDS], Bungartz, F. 8848 [CDS], Bungartz, F. 9118 [CDS], Yánez-Ayabaca, A. 1581 [CDS], Bungartz, F. 8837 [CDS], Aptroot, A. 65022 [CDS], Aptroot, A. 64720 [CDS], Bungartz, F. 5214 B [CDS], Aptroot, A. 64722 [CDS], Nugra, F. 640 [CDS]

Rolueckia

Rolueckia conspersa (Stirt.) Papong, Thammath. & Boonpr. v

[*Calenia conspersa* (Stirt.) R. Sant., *Caleniopsis conspersa* (Stirt.) Lücking, Sérus. & Vězda, *Phyllophthalmaria conspersa* (Stirt.) Zahlbr., *Thelotrema conspersum* Stirt.]
source: Cevallos (2012), Lücking (1999, 2008)

Roselliniella

Roselliniella atlantica Matzer & Hafellner v

* = lichenicolous fungi (parasites on living lichens); on cf. *Hypotrachyna*, *Everniastrum*sp. & *Parmelia*, source: Etayo (2017); J. Etayo 17284 [hb. Etayo], J. Etayo 19912 [hb. Etayo], Etayo, J. 19979 [hb. Etayo], Etayo, J. 20100 [hb. Etayo], Etayo, J. 25524 [hb. Etayo]

Roselliniella euparmeliicola Millanes & D. Hawksw. v

* = lichenicolous fungi (parasites on living lichens); on *Parmotrema* sp., source: Etayo (2017); J. Etayo 20173 [hb. Etayo], Etayo, J. 25640 [hb. Etayo]

Roselliniella pannariae Matzer & Hafellner v

* = lichenicolous fungi (parasites on living lichens); on *Pannaria rubiginosa*, source: Etayo (2017); Etayo, J. 17293 [hb. Etayo], Etayo, J. 20104 [hb. Etayo]

Roselliniella papuana Diederich v

* = lichenicolous fungi (parasites on living lichens); on *Usnea* sp., source: Etayo (2017); Etayo, J. 19934 [hb. Etayo], Etayo, J. 19943 [hb. Etayo], Etayo, J. 26346 [hb. Etayo]

Roselliniella peltigericola D. Hawksw. & Miądl. v

* = lichenicolous fungi (parasites on living lichens); on *Peltigera spuriella*, Holotype H, Arvidsson & Arvidsson, 11 Jul. 1983, source: Hawksworth & Miądlikowska (1997), Etayo (2017)

Roselliniella ramirezii Etayo v

* = lichenicolous fungi (parasites on living lichens); on *Lobariella subexornata*, *L. pallida*, *Sticta*, source: Etayo (2017), Flakus et al. (2019); Etayo, J. 25623 [hb. Etayo]

Roselliniella stereocaulorum Zhurb., Kukwa & Oset v

* = lichenicolous fungi (parasites on living lichens); on *Stereocaulon* sp., source: Etayo (2017; as *Roselliniella* cf. *stereocaulorum*); Etayo, J. 27005 [hb. Etayo]

Roselliniella stictae Etayo v

problematic, according to Etayo (2017) more likely a record of *Roselliniella ramirezii*, source: Cevallos (2012); Etayo, J. 19989 [hb. Etayo]

Roselliniomyces

Roselliniomyces erinaceus Etayo v

* = lichenicolous fungi (parasites on living lichens); on *Sticta* sp., Holotype QCA, Etayo 25735, source: Etayo (2017); Etayo, J. 25639 [hb. Etayo], Etayo, J. 25735 [hb. Etayo]

Roselliniopsis

Roselliniopsis gelidaria (Mudd) Matzer & Hafellner v

[*Didymosphaeria gelidarium* (Mudd) A.L. Sm., *Polycoccum gelidarium* (Mudd) D. Hawksw., *Sphaeria gelidaria* Mudd, *Tichothecium gelidarium* (Mudd) Berl. & Voglino]
* = lichenicolous fungi (parasites on living lichens); on *Placopsis* sp., source: Etayo (2017); J. Etayo 19907 [hb. Etayo]

Roselliniopsis palicei Etayo v

* = lichenicolous fungi (parasites on living lichens); on *Placopsis gelida*, *Placopsis parellina*, and *Placopsis* sp., Holotype QCA, Etayo 17351, source: Etayo (203, 2017); Etayo, J. 17315 [hb. Etayo], Etayo, J. 17353 [hb. Etayo], Etayo, J. 26264 [hb. Etayo], Etayo, J. 26344 [hb. Etayo]

Rosellinula

Rosellinula lopadii (Vouaux) D.J. Galloway v

[*Muellerella atricola var. lopadii* (Vouaux) Keissl., *Muellerella lopadii* Vouaux, *Roselliniella lopadii* (Vouaux) Hafellner]

* = lichenicolous fungi (parasites on living lichens); on *Brigantiaea*, source: Etayo (2017)

Rubrotricha

Rubrotricha helminthospora (R. Sant.) Lücking, Sérus. & Vězda

[*Tricharia helminthospora* R. Sant.]
source: Lücking (1999)

Rubrotricha subhelminthospora Lücking

Holotype QCNE, Lücking 96908, source: Lücking et al. (2005), Lücking (1999, 2008); Lücking, R. 96908 [INABIOEC-MECN-QCNE]

Rusavskia

Rusavskia elegans (Link) S.Y. Kondr. & Kärnefelt

[*Amphiloma elegans* (Link) Körb., *Amphiloma elegans f. elegans* (Link) Körb., *Amphiloma elegans var. elegans* (Link) Körb., *Callopisma elegans* (Link) Trevis., *Caloplaca dissidens* (Nyl.) Mérat, *Caloplaca elegans* (Link.) Th. Fr., *Caloplaca elegans f. elegans* (Link) Th. Fr., *Caloplaca elegans var. elegans* (Link) Th. Fr., *Caloplaca splendens* (Darb.) Zahlbr., *Gasparrinia elegans* (Link) Stein, *Gasparrinia elegans var. elegans* (Link) Stein, *Lecanora dissidens* (Nyl.) Cromb., *Lecanora elegans* (Link) Ach., *Lecanora elegans f. elegans* (Link) Ach., *Lecanora elegans f. tenuis* Ach., *Lecanora elegans var. elegans* (Link) Ach., *Lichen elegans* Link, *Lichen elegans var. elegans* Link, *Parmelia elegans* (Link) Ach., *Parmelia elegans var. elegans* (Link) Ach., *Physcia dissidens* (Nyl.) Arnold, *Physcia elegans* (Link) de Not., *Physcia elegans var. elegans* (Link) de Not., *Placodium dissidens* Nyl., *Placodium elegans* (Link) DC., *Placodium elegans f. elegans* (Link) DC., *Placodium elegans f. subpruinosa* Räsänen, *Placodium elegans var. elegans* (Link) DC., *Placodium splendens* Darb., *Squamaria elegans* (Link) Fée, *Teloschistes elegans* (Link) Norman, *Xanthoria elegans* (Link) Th. Fr., *Xanthoria elegans subsp. elegans* (Link) Th. Fr., *Xanthoria elegans var. elegans* (Link) Th. Fr., *Xanthoria elegans var. splendens* (Darb.) M.S. Christ. ex Poelt, *Xanthoria splendens* (Darb.) Christensen ex Poelt]
problematic varieties not resolved; it is not clear if the variety reported by Müller (1879) and Romeguère (1879) as *Amphiloma elegans* var. *discretum*, is a synonym of *R. elegans*; Zahlbruckner (1905, 1907) reported *Caloplaca elegans* var. *tenuis*, that name also remains not resolved, source: Müller (1879; as *Amphiloma elegans* var. *discretum*), Romeguère (1879; as *Amphiloma elegans* var. *discretum*), Zahlbruckner (1905, 1907; as *Caloplaca elegans* var. *tenuis*); Sam Shushan sl-7313 [BRY], Erik Asplund L 293 [S]

Sagenidiopsis

Sagenidiopsis isidiata G. Thor, Elix, Lücking & Sipman

source: Lumbsch et al. (2011); Klara Scharnagl 2060 [MSC], Klara Scharnagl 2067 [MSC]

Sanguinotrema

Sanguinotrema wightii (Taylor) Lücking

[*Endocarpon baileyi* Stirt., *Endocarpon wightii* Taylor, *Leptotrema baileyi* (Stirt.) Shirley, *Leptotrema ravenelii* (Tuck.) Fink, *Leptotrema wightii* (Taylor) Müll. Arg., *Leptotrema wightii f. wightii* (Taylor) Müll. Arg., *Leptotrema wightii var. wightii* (Taylor) Müll. Arg., *Myriotrema wightii* (Taylor) Hale, *Phaeotrema wightii* (Taylor) Zahlbr., *Thelotrema ravenelii* Tuck., *Thelotrema wightii* (Taylor) Nyl., *Thelotrema wightii subsp. ravenelii* (Tuck.) Tuck.]
native, indigenous, source: Weber (1986), Elix & McCarthy (1998); Weber, W. A [MSC], Weber, W. A [MSC], Klara Scharnagl 1996 [MSC], Sipman, H. 31 [MIN], W. A. Weber L-40539 [WIS], Sipman, H. L-31 [DUKE], A.C. Herre [UPS], Aptroot, A. 63735 [CDS], A. Herre [S]

Sarcographa

Sarcographa fenicis (Vain.) Zahlbr.

source: Benítez et al. (2015); Benítez, A. 411 [HUTPL]

Sarcographa medusulina (Nyl.) Müll.Arg.

[*Glyphis medusulina* Nyl., *Graphis medusulina* (Nyl.) Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous

Sarcographa ramificans (Kremp.) Staiger

[*Graphis ramificans* Nyl., *Phaeographina ramificans* (Kremp.) Zahlbr.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2009); Bungartz, F. 3282 [CDS]

Sarcographa tricosa (Ach.) Müll.Arg.

[*Asterisca tricosa* (Ach.) Zenker, *Glyphis tricosa* (Ach.) Ach., *Glyphis tricosa var. tricosa* (Ach.) Ach., *Graphis tricosa* Ach., *Medusula tricosa* (Ach.) Mont., *Opegrapha tricosa* (Ach.) Stizenb.]
source: Bungartz et al. (2009), Benítez (2016), Benítez et al. (2019); Bungartz, F. 4889 [CDS], Yánez-Ayabaca, A. 1492 [CDS], Bungartz, F. 9853 [CDS], Bungartz, F. 9935 [CDS]

Sarcogyne

Sarcogyne brunnea K. Knudsen & Flakus

source: Knudsen et al. (2012)

Schadonia

Schadonia alpina Körb.

[*Bombyliospora gemella* Anzi, *Diplotomma gemellum* (Anzi) Jatta, *Lecidea gemella* (Anzi) Stizenb., *Lopadium alpinum* (Körb.) R. Sant., *Lopadium gemellum* (Anzi) Jatta]
source: Sklenář et al. (2010)

Schistophoron

Schistophoron tenue Stirt.

source: Tibell (1996); Weber, W.A. s.n. [CDS], Aptroot, A. 64628 [CDS], Aptroot, A. 64636 [CDS], Bungartz, F. 5882 [CDS], Bungartz, F. 5885 [CDS], Bungartz, F. 5839 [CDS], Bungartz, F. 7099 [CDS], Nugra, F. 546 [CDS], Tehler, A. 8795 [CDS], Tehler, A. 8796 [CDS], LeDee, O.E. OEL-00-01 [CDS], Bungartz, F. 10811 [CDS]

Schistophoron variabile Tibell

source: Tibell (1996); Bungartz, F. 9082 [CDS], Bungartz, F. 9126 [CDS], Bungartz, F. 9796 [CDS], Yánez-Ayabaca, A. 2005 [CDS], Bungartz, F. 9798 [CDS], Bungartz, F. 9785 [CDS]

Sclerococcum

Sclerococcum areolatum Etayo

* = lichenicolous fungi (parasites on living lichens); on sterile lichen growing on wood, source: Etayo (2017); Etayo, J. 19994 [hb. Etayo], Etayo, J. 20086 [hb. Etayo], Etayo, J. 25852 [hb. Etayo]

Sclerococcum attendendum (Nyl.) Ertz & Diederich

[*Bacidia attendenda* (Nyl.) Zahlbr., *Dactylospora attendenda* (Nyl.) Arnold, *Lecidea attendenda* Nyl., *Leciographa attendenda* (Nyl.) P. Karst.]
* = lichenicolous fungi (parasites on living lichens); on *Pilophorus cereolus*, source: Etayo (2017)

Sclerococcum davidii (Hafellner & H. Mayrhofer) Ertz & Diederich

[*Dactylospora davidii* Hafellner & H. Mayrhofer]
* = lichenicolous fungi (parasites on living lichens); on *Sticta* sp., *Sticta* cf. *filix*, *Sticta* gr. *sylvatica*, source: Etayo (2017)

Sclerococcum frigidum (Hafellner) Ertz & Diederich

[*Dactylospora frigida* Hafellner]
* = lichenicolous fungi (parasites on living lichens); on *Pertusaria* sp., source: Etayo (2017)

Sclerococcum heterodermiae (Etayo) Ertz & Diederich

[*Dactylospora heterodermiae* Etayo]
* = lichenicolous fungi (parasites on living lichens); on *Parmeliella delicata*, *Hetrodermia* cf. *isidiophora*, Holotype QCA, Etayo 19952, source: Etayo (2017); Etayo, J. 19952 [hb. Etayo], Etayo, J. & Palice, Z. 19952 [QCAM]

Sclerococcum leuckertii Diederich & P. Scholz

* = lichenicolous fungi (parasites on living lichens); on *Buellia* cf. *aethalea*, source: Etayo (2017)

Sclerococcum lobariellum (Nyl.) Ertz & Diederich

[*Abrothallus lobariellus* (Nyl.) Zopf, *Buellia lobariella* (Nyl.) Arnold, *Buelliella nuttallii* (Calk. & Nyl.) Fink, *Dactylospora lobariella* (Nyl.) Hafellner, *Lecidea lobariella* Nyl., *Lecidea nuttallii* Calk. & Nyl.]
* = lichenicolous fungi (parasites on living lichens); on *Lobaria* cf. *tenuis*, *Lobariella crenullata, Lobariella pallida*, source: Etayo (2017)

Sclerococcum phyllobaeis Etayo

* = lichenicolous fungi (parasites on living lichens); on *Phyllobaeis* sp., Holotype QCA, Etayo 27031, source: Etayo (2017); J. Etayo 20176 [hb. Etayo], Etayo, J. 27031 [hb. Etayo], Etayo, J. & Palice, Z. 27031 [QCAM]

Sclerococcum pseudosipmanii Zhurb. & Diederich

* = lichenicolous fungi (parasites on living lichens); on *Parmotrema*, source: van den Boom et al. (2022)

Sclerococcum simplex D. Hawksw.

* = lichenicolous fungi (parasites on living lichens); on *Pertusaria* sp., source: Etayo (2017); Etayo, J. 25790 [hb. Etayo], Etayo, J. 20075 [hb. Etayo]

Sclerophora

Sclerophora sanguinea (Tibell) Tibell

[*Coniocybe sanguinea* Tibell]
source: Tibell (1996); K. Kalb 18839 [WIS]

Sclerophyton

Sclerophyton vertex Sparrius

source: Nöske et al. (2007); Aptroot, A. 64594 [CDS], Bungartz, F. 5896 [CDS], Ertz, D. 12012 [CDS], Yánez-Ayabaca, A. 1713 [CDS], Yánez-Ayabaca, A. 1723 [CDS], Yánez-Ayabaca, A. 1792 [CDS], Yánez-Ayabaca, A. 1888 [CDS]

Sculptolumina

Sculptolumina japonica (Tuck.) Marbach

[*Buellia japonica* (Tuck.) Tuck., *Lecidea japonica* Tuck.]
* = lichenicolous fungi (parasites on living lichens); on *Parmotrema* sp., source: Etayo (2017); Etayo, J. 25528 [hb. Etayo]

Scutula

Scutula epiblastematica (Wallr.) Rehm

[*Biatorina epiblastematica* (Wallr.) A.L. Sm., *Catillaria epiblastematica* (Wallr.) Vain., *Orbilia epiblastematica* (Wallr.) Fr., *Patellaria epiblastematica* (Wallr.) Sacc., *Peziza epiblastematica* Wallr., *Spilodium epiblastimaticum* (Wallr.) Nieuwl.]
* = lichenicolous fungi (parasites on living lichens); on *Peltigera dolichorhiza* & *Peltigera* sp., source: Etayo (2017); Etayo, J. 20022 [hb. Etayo], Etayo, J. 25458 [hb. Etayo]

Scytinium

Scytinium dactylinum (Tuck. ex Nyl.) Otálora, P.M. Jørg. & Wedin

[*Leptogium dactylinum* Tuck. ex Nyl., *Leptogium tremelloides subsp. dactylinum* (Tuck. ex Nyl.) Tuck.]
Cox, Cymon, J. 1200/00 [DUKE]

Scytinium gelatinosum (With.) Otálora, P.M. Jørg. & Wedin

[*Collema atrocaeruleum var. sinuatum* (Huds.) Rabenh., *Collema lacerum var. sinuatum* (Huds.) Flot., *Collema scotinum* (Ach.) Ach., *Collema sinuatum* (Huds.) Hoffm., *Lathagrium scotinum* (Ach.) Gray, *Leptogium gelatinosum* (With.) J. R. Laundon, *Leptogium pellucidum var. sinuatum* (Huds.) M. Choisy ex Werner, *Leptogium scotinum* (Ach.) Fr., *Leptogium scotinum var. scotinum* (Ach.) Fr., *Leptogium scotinum var. sinuatum* (Huds.) Torss., *Leptogium sinuatum* (Hudson) Massal., *Leptogium sinuatum var. scotinum* (Ach.) Körb., *Leptogium sinuatum var. sinuatum* (Huds.) A. Massal., *Lichen gelatinosus* With., *Lichen scotinus* Ach., *Lichen sinuatus* Huds., *Parmelia scotina* (Ach.) Ach., *Parmelia scotina var. scotina* (Ach.) Ach.]
source: Sklenář et al. (2010; as *L.* cf. *gelatinosum*)

Scytinium subaridum (P.M. Jørg. & Goward) Otálora, P.M. Jørg. & Wedin

[*Leptogium subaridum* P.M. Jørg. & Goward]
source: Fernández-Prado et al. (2022)

Segestria

Segestria leptalea (Durieu & Mont.) R.C. Harris

[*Arthopyrenia lectissima var. leptalea* (Durieu & Mont.) Boistel, *Arthopyrenia leptalea* (Durieu & Mont.) H. Olivier, *Biatora leptalea* Durieu & Mont., *Bilimbia leptalea* (Durieu & Mont.) Trevis., *Lecidea vernalis var. leptalea* (Durieu & Mont.) Nyl., *Porina leptalea* (Durieu & Mont.) A.L. Sm., *Porina leptaleella* (Nyl.) Lettau, *Porinula leptalea* (Durieu & Mont.) Flagey, *Segestrella lectissima f. leptalea* (Durieu & Mont.) P. Syd., *Segestria lectissima f. leptalea* (Durieu & Mont.) Blomb. & Forssell, *Verrucaria lectissima f. leptalea* (Durieu & Mont.) Nyl., *Verrucaria lectissima var. leptalea* (Durieu & Mont.) Nyl., *Verrucaria leptalea* Stirt., *Verrucaria leptalea var. obscuriuscula* Nyl. ex P. Crouan & H. Crouan, *Verrucaria leptaleella* Nyl.]
source: McCarthy & Palice (2003); Aptroot, A. 63345 [CDS]

Segestria octomera (Müll. Arg.) R.C. Harris

[*Phylloporina octomera* Müll.Arg., *Porina octomera* (Müll. Arg.) F. Schill.]
source: van den Boom et al. (2022)

Segestria rubentior (Stirton) R. C. Harris

[*Phylloporina rubentior* (Stirt.) Müll. Arg., *Porina rubentior* (Stirt.) Müll. Arg., *Verrucaria rubentior* Stirt.]
source: Lücking (1999, 2008)

Septotrapelia

Septotrapelia usnica (Sipman) Kalb & Bungartz

[*Lepraria usnica* Sipman, *Nelsenium usnicum* (Sipman) Lendemer]
source: Bungartz et al. (2013c), Lendemer & Hodkinson (2013); Bungartz, F. 6503 [CDS], Jonitz, H. 32 [CDS], Bungartz, F. 8984 [CDS], Bungartz, F. 9099 [CDS], Bungartz, F. 9606 [CDS], Bungartz, F. 10319 [CDS], Bungartz, F. 8443 [CDS], Bungartz, F. 7435 [CDS], Bungartz, F. 5218 [CDS], Bungartz, F. 4180 [CDS], Bungartz, F. 9689 [CDS], Clerc, P. 08-274 [CDS], Clerc, P. 08-146 [CDS], Bungartz, F. 3463 [CDS], Aptroot, A. 65502 [CDS], Bungartz, F. 5257 [CDS], Bungartz, F. 3467 [CDS], Nugra, F. 31 [CDS], Aptroot, A. 63369 [CDS], Nugra, F. 162 [CDS], Bungartz, F. 10370 [CDS], Aptroot, A. 63096 [CDS], Bungartz, F. 5291 [CDS], Bungartz, F. 7424 [CDS], Aptroot, A. 65643 [CDS], Bungartz, F. 6780 [CDS], Bungartz, F. 6741 [CDS], Bungartz, F. 7747 [CDS], Truong, C. 1268 [CDS], Ertz, D. 11751 [CDS], Bungartz, F. 8253 [CDS], Bungartz, F. 5292 [CDS], Aptroot, A. 63376 [CDS], Bungartz, F. 9862 [CDS], Ertz, D. 11871 [CDS], Bungartz, F. 4095 [CDS], Bungartz, F. 4200 [CDS], Aptroot, A. 63165 [CDS], Aptroot, A. 63731 [CDS], Bungartz, F. 4094 [CDS], Bungartz, F. 4060 [CDS], Bungartz, F. 8444 [CDS], Aptroot, A. 63373 [CDS], Bungartz, F. 4832 [CDS], Bungartz, F. 4681 [CDS], Aptroot, A. 63926 [CDS]

Siphula

Siphula fastigiata (Nyl.) Nyl.

[*Siphula torulosa var. fastigiata* Nyl.]
source: González et al. (2019), Nöske et al. (2007), Nöske & Sipman (2004), Bussmann & Sharon (2009; mentioning ethnobotanical use of a not closely determined *Siphula*)

Siphula pteruloides Nyl.

parasitized by *Spirographa fusisporella*, source: Etayo (2017), Bussmann & Sharon (2009; mentioning ethnobotanical use of a not closely determined *Siphula*); Z. Palice 3146 dupl. [BG]

Sipmaniella

Sipmaniella sulfureofusca (Fée) Kalb

[*Lecania sulfureofusca* (Fée) Müll.Arg., *Lecania sulfureofusca var. sulfureofusca* (Fée) Müll.Arg., *Lecanora sulfureofusca* Fée, *Lecanora sulfureofusca var. sulfureofusca* Fée, *Patellaria sulfureofusca* (Fée) Müll. Arg.]
source: Nöske et al. (2007)

Skyttea

Skyttea megalosporae Etayo & Diederich

* = lichenicolous fungi (parasites on living lichens); on *Megalospora tuberculosa* & on a sterile lichen, source: Etayo (2017); Etayo, J. 20050 [hb. Etayo]

Skyttea recognita Etayo & Diederich

* = lichenicolous fungi (parasites on living lichens); on sterile thallus and cf. *Calopadia*, Holotype B, Kalb & Kalb 18336, source: Etayo (2017); J. Etayo 25593 [hb. Etayo], Etayo, J. 25989 [hb. Etayo]

Skyttella

Skyttella mulleri (Willey) D. Hawksw. & R. Sant.

[*Agyrium flavescens* Rehm, *Calloria mulleri* (Willey) Seaver, *Niptera mulleri* (Willey) Vouaux, *Phacopsis mulleri* Willey]
* = lichenicolous fungi (parasites on living lichens); on *Peltigera dolichorhiza, P. soredians* and other *Peltigera* species, source: Etayo (2017); Etayo, J. 20181 [hb. Etayo], Etayo, J. 20182 [hb. Etayo]

Skyttella stictae Etayo

* = lichenicolous fungi (parasites on living lichens); on *Sticta* sp., Holotype QCA, Etayo 26022, source: Etayo (2017); Etayo, J. 26022 [hb. Etayo], Etayo, J. & Palice, Z. 26022 [QCAM]

Solorina

Solorina saccata (L.) Ach.

[*Arthonia saccata* (L.) Ach., *Lichen saccatus* L., *Lobaria saccata* (L.) Hoffm., *Peltidea saccata* (L.) Ach., *Peltigera saccata* (L.) DC., *Peltigera saccata var. saccata* (L.) DC., *Platisma saccatum* (L.) Frege, *Platysma saccatum* (L.) Frege]
source: Arvidsson (1991), Sipman (1999), Cevallos (2012)

Sphaerellothecium

Sphaerellothecium araneosum (Rehm ex Arnold) Zopf

[*Discothecium araneosum* (Rehm ex Arnold) Vouaux, *Echinothecium glabrum* M.S. Christ., Alstrup & D. Hawksw., *Endococcus araneosus* (Rehm ex Arnold) H. Olivier, *Epicymatia araneosa* (Rehm ex Arnold) Sacc., *Mycosphaerella araneosa* (Rehm ex Arnold) Lindau, *Phaeosphaerella araneosa* (Rehm ex Arnold) Sacc. & D. Sacc., *Sphaerella araneosa* Rehm ex Arnold]
* = lichenicolous fungi (parasites on living lichens); on *Pertusaria* sp., source: Etayo (2017)

Sphaerellothecium cladoniae (Alstrup & Zhurb.) Hafellner

[*Sphaerellothecium araneosum var. cladoniae* Alstrup & Zhurb.]
* = lichenicolous fungi (parasites on living lichens); on *Cladonia* sp., source: Etayo (2017)

Sphaerellothecium coniodes (Nyl.) Cl. Roux & Diederich

[*Arthopyrenia coniodes* (Nyl.) Zopf, *Pharcidia coniodes* (Nyl.) Sacc. & D. Sacc., *Pharcidia coniodes var. coniodes* (Nyl.) Sacc. & D. Sacc., *Stigmidium coniodes* (Nyl.) Triebel, *Verrucaria coniodes* Nyl.]
* = lichenicolous fungi (parasites on living lichens); on *Phyllobaeis imbricata* and *Dibaeis columbiana*, source: Etayo (2017); Etayo, J. 17303 [hb. Etayo], Etayo, J. 25663 [hb. Etayo], Etayo, J. 26987 [hb. Etayo]

Sphaerellothecium episoralium Etayo

* = lichenicolous fungi (parasites on living lichens); on *Heterodermia* cf. *japonica*, Holotype QCA, Etayo 20030, source: Etayo (2017); Etayo, J. 20030 [hb. Etayo], Etayo, J. & Palice, Z. 20030 [QCAM]

Sphaerellothecium gallowayi Diederich

* = lichenicolous fungi (parasites on living lichens); on *Heterodermia* cf. *japonica*, *Heterodermia* sp., & *Heterodermia speciosa*, source: Etayo (2017); Etayo, J. 25374 [hb. Etayo], Etayo, J. 25529 [hb. Etayo], Etayo, J. 20030 [hb. Etayo]

Sphaerellothecium reticulatum (Zopf) Etayo

[*Echinothecium reticulatum* Zopf]
* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp. & *Punctelia* sp., source: Etayo (2017); Etayo, J. 20099 [hb. Etayo], Etayo, J. 25514 [hb. Etayo]

Sphaerellothecium stereocaulorum Zhurb. & Triebel

* = lichenicolous fungi (parasites on living lichens); on *Stereocaulon* sp., source: Etayo (2017); Etayo, J. 19906 [hb. Etayo], J. Etayo 26297 [hb. Etayo]

Sphaerellothecium thamnoliae Zhurb.

* = lichenicolous fungi (parasites on living lichens); on *Thamnolia subbuliformis*, source: Etayo (2017)

Sphaerellothecium usneicola Etayo

* = lichenicolous fungi (parasites on living lichens); on *Usnea* sp., Holotype QCA, Etayo 26354, source: Etayo (2017); Etayo, J. & Palice, Z. 26354 [QCAM]

Sphaeromma

Sphaeromma porinae Matzer

* = lichenicolous fungi (parasites on living lichens); on *Porina subepiphylla*, source: Lücking (1999)

Sphinctrina

Sphinctrina leucopoda Nyl.

[*Calicium kylemoriensis* Larbal., *Calicium leucopodum* (Nyl.) Tuck., *Cyphelium kylemoriensis* (Larbal.) Sacc., *Sphinctrina kylemoriensis* (Larbal. ex Leight.) Cromb., *Sphinctrina pedata* (Stenh.) R. Sant.]
source: Bungartz et al. (2011); Ertz, D. 11644 [CDS], Ertz, D. 11672 [CDS]

Sphinctrina tubaeformis A. Massal.

[*Calicium tubaeforme* (A. Massal.) R.L. Seym., *Cyphelium tubaeforme* (A. Massal.) A. Schneid., *Sphinctrina tubiformis* A. Massal. [erroneous spelling], *Sphinctrina turbinata var. microcephala* (Nyl.) Mudd]
source: Bungartz et al. (2011); Bungartz, F. 5897 [CDS], Spielmann, A.A. 10757 [CDS]

Spirographa

Spirographa ciliata (Kalb) Flakus, Etayo & Miądl.

[*Cornutispora ciliata* Kalb]
* = lichenicolous fungi (parasites on living lichens); on *Heterodermia* sp., source: Etayo (2017)

Spirographa fusisporella (Nyl.) Zahlbr.

[*Graphinella fusisporella* (Nyl.) Zahlbr., *Graphis fusisporella* Nyl., *Lecidea multifera* J.A. Martind., *Melaspilea vermifera* Leight., *Mycobacidia vermifera* (Leight.) Vouaux]
* = lichenicolous fungi (parasites on living lichens); on indet. crustose lichen with peritecia, indet. sterile lichen, cf. *Pertusaria*, and *Siphula pteruloides*, source: Etayo (2017); Etayo, J. 19999 [hb. Etayo]

Spirographa hypotrachynae (Etayo) Flakus, Etayo & Miądl.

[*Pleoscutula hypotrachynae* Etayo]
* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp., source: Etayo (2017); Etayo, J. 17287 [hb. Etayo], Etayo, J. 17290 [hb. Etayo], Etayo, J. 19975 [hb. Etayo], Etayo, J. 20060 [hb. Etayo], Etayo, J. 25393 [hb. Etayo]

Spirographa longispora Etayo

* = lichenicolous fungi (parasites on living lichens); on *Sticta humboldtii*, Holotype QCA, Etayo 26984, source: Etayo (2017), Flakus et al. (2019); Etayo, J. 26984 [hb. Etayo], Etayo, J. & Palice, Z. 26984 [QCAM]

Spirographa ophiurospora (Etayo) Flakus, Etayo & Miądl.

[*Cornutispora ophiurospora* Etayo]
* = lichenicolous fungi (parasites on living lichens); on *Lobariella crenulata* and *L. pallida*, Holotype QCA, Etayo 20127, source: Etayo (2017)

Spirographa pittii (D. Hawksw. & Punith.) Flakus, Etayo & Miądl.

[*Cornutispora pittii* D. Hawksw. & Punith.]
* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp., source: Etayo (2017); Etayo, J. 19968 [hb. Etayo]

Spirographa pyramidalis (Etayo) Flakus, Etayo & Miądl.

[*Asteroglobulus pyramidalis* (Etayo) Diederich, *Cornutispora pyramidalis* Etayo]
* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp., source: Flakus et al. (2019); Etayo (2017); Etayo, J. 25483 [hb. Etayo], Etayo, J. 25495 [hb. Etayo]

Spirographa usneae Flakus, Kukwa & Etayo

* = lichenicolous fungi (parasites on living lichens); on *Usnea* sp., source: Flakus & Kukwa (2012), Flakus et al. (2019); Etayo, J. 19937 [hb. Etayo]

Sporidesmium

Sporidesmium usneae Etayo

* = lichenicolous fungi (parasites on living lichens); on *Usnea* sp., source: Etayo (2017); Etayo, J. 19943 [hb. Etayo], Etayo, J. 19933 [hb. Etayo]

Sporopodium

Sporopodium antoninianum Elix, Lumbsch & Lücking

source: Lücking (1999); Robert Lücking 96-542 [INABIOEC-MECN-QCNE]

Sporopodium aurantiacum (Müll. Arg.) Lücking

[*Lopadium aurantiacum* Müll.Arg.]
source: Lücking (1999, 2008)

Sporopodium citrinum (Zahlbr.) Elix, Lumbsch & Lücking

[*Lopadium citrinum* Zahlbr., *Sporopodium leprieurii var. citrinum* (Zahlbr.) R. Sant.]
source: Lücking (1999, 2008), van den Boom et al. (2022); Bungartz, F. 8625 B [CDS], Bungartz, F. 8288 C [CDS], Aptroot, A. 64710 [CDS]

Sporopodium leprieurii Mont.

source: Lücking (1999), Lücking & Matzer (2001), Lücking (2008), van den Boom et al. (2022); R. Lücking 96-491 [WIS], Bungartz, F. 7058 C [CDS], Erik Asplund L 194 b [S]

Sporopodium phyllocharis (Mont.) A. Massal.

[*Biatora phyllocharis* Mont., *Ectolechia phyllocharis* (Mont.) Trevis., *Gyalectidium phyllocharis* (Mont.) Müll.Arg., *Heterothecium phyllocharis* (Mont.) Tuck., *Lecidea phyllocharis* (Mont.) Nyl., *Lecidea phyllocharis subsp. phyllocharis* (Mont.) Nyl., *Lopadium phyllocharis* (Mont.) Fink]
source: Lücking (2008), van den Boom et al. (2022)

Sporopodium pilocarpoides (Zahlbr.) Lücking & Kalb

[*Lopadium pilocarpoides* Zahlbr.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 64278 [CDS], Bungartz, F. 7056 [CDS], Bungartz, F. 8288 D [CDS], Aptroot, A. 65307 [CDS], Aptroot, A. 64275 [CDS], Bungartz, F. 5523 [CDS], Nugra, F. 209 [CDS]

Sporopodium subflavescens Lücking & Lumbsch

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 8289 A [CDS], Bungartz, F. 9386 A [CDS], Bungartz, F. 9387 [CDS], Bungartz, F. 9388 [CDS], Bungartz, F. 9659 A [CDS], Bungartz, F. 10055 A [CDS], Bungartz, F. 8621 A [CDS], Bungartz, F. 8279 A [CDS], Bungartz, F. 10055 C [CDS], Bungartz, F. 10054 C [CDS]

Sporopodium xantholeucum (Müll. Arg.) Zahlbr.

[*Gyalectidium xantholeucum* Müll.Arg.]
source: Lücking (1999, 2008)

Squamacidia

Squamacidia janeirensis (Müll. Arg.) Brako

[*Thalloidima janeirense* Müll. Arg.]

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 412 [HUTPL], Benítez, A. 413 [HUTPL]

Squamulea

Squamulea chelonia Bungartz & Søchting

endemic to Galapagos, Holotype: Bungartz 6146 [CDS 34358], source: Bungartz et al. (2020b); Ertz, D. 11880 [CDS], Bungartz, F. 6950 [CDS], Bungartz, F. 5047 [CDS], Bungartz, F. 5993 [CDS], Bungartz, F. 7776 [CDS], Bungartz, F. 8433 [CDS], Truong, C. 1248 [CDS], Weber, W.A. s.n. [CDS], Bungartz, F. 3412 [CDS], Aptroot, A. 64100 [CDS], Bungartz, F. 3410 [CDS], Bungartz, F. 3526 [CDS], Aptroot, A. 63122 [CDS], Aptroot, A. 63723 [CDS], Bungartz, F. 4521 [CDS], Bungartz, F. 9745 [CDS], Bungartz, F. 9251 [CDS], Aptroot, A. 63996 [CDS]

Squamulea flakusii (Wilk) Arup, Søchting & Bungartz

[*Huriella flakusii* Wilk]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2020b); Aptroot, A. 65261 [CDS], Bungartz, F. 4157 [CDS]

Squamulea humboldtiana Bungartz & Søchting

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, Holotype: Bungartz, F. 4711 B [CDS 56235], source: Bungartz et al. (2020b); Aptroot, A. 65488 B [CDS], Bungartz, F. 5151 [CDS], Bungartz, F. 3581 [CDS], Aptroot, A. 64014 [CDS], Aptroot, A. 65729 B [CDS], Aptroot, A. 65718 B [CDS], Bungartz, F. 4709 B [CDS], Bungartz, F. 9985 [CDS], Bungartz, F. 4711 B [CDS]

Squamulea oceanica Bungartz & Søchting

endemic to Galapagos, Holotype: Yánez-Ayabaca 2023 [CDS 48373], source: Bungartz et al. (2020b); Bungartz, F. 6168 [CDS], Bungartz, F. 6529 [CDS], Yánez-Ayabaca, A. 2023 [CDS], Bungartz, F. 9857 [CDS], Bungartz, F. 10152 [CDS], Aptroot, A. 65718 A [CDS]

Squamulea osseophila Søchting & Bungartz

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, Holotype: Aptroot, A. 65489 [CDS 32078], source: Bungartz et al. (2020b); Aptroot, A. 65489 [CDS], Aptroot, A. 65488 A [CDS], Aptroot, A. 64203 [CDS], Aptroot, A. 64900 [CDS]

Squamulea phyllidizans (Wetmore) Søchting & Bungartz

[*Caloplaca phyllidizans* Wetmore]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2020); Bungartz, F. 4158 [CDS], Aptroot, A. 64828 [CDS], Bungartz, F. 4455 [CDS], Bungartz, F. 4710 [CDS], Bungartz, F. 4698 [CDS], Aptroot, A. 65468 [CDS], Aptroot, A. 65729 A [CDS], Bungartz, F. 4709 A [CDS], Bungartz, F. 4711 A [CDS]

Squamulea subsoluta (Nyl.) Arup, Søchting & Frödén

[*Blastenia novomexicana* Fink ex J. Hedrick, *Callopisma americanum* Malme, *Callopisma aurantiacum var. irrubescens* Arnold, *Callopisma irrubescens* (Arnold) Arnold, *Caloplaca americana* (Malme) Zahlbr., *Caloplaca aurantia var. irrubescens* (Arnold) Jatta, *Caloplaca irrubescens* (Arnold) Zahlbr., *Caloplaca modesta* (Zahlbr.) Fink, *Caloplaca novomexicana* (Fink) ined., *Caloplaca subsoluta* (Nyl.) Zahlbr., *Caloplaca subsoluta f. subsoluta* (Nyl.) Zahlbr., *Lecanora murorum var. subsoluta* Nyl., *Lecanora subsoluta* (Nyl.) Nyl., *Physcia subsoluta* (Nyl.) Arnold, *Placodium americanum* (Malme) Räsänen, *Placodium aurantiacum subsp. irrubescens* (Arnold) A.L. Sm., *Placodium subsolutum* (Nyl.) H. Olivier, *Teloschistes modestus* (Zahlbr.) Fink, *Xanthoria modesta* Zahlbr.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, Bungartz et al. (2020b): The name is here applied in the widest sense. Material includes both specimens that more closely resemble the barely squamulose morphotypes of *S. subsoluta* s.str., as well as others that are distinctly squamulose and thus more closely resemble *S.* aff. *squamosa*. Although some Galapagos material phylogenetically seems to be part of *S. subsoluta* s.str., most specimens are part of various different other clades. They cannot presently adequately be assigned to any named taxon within *Squamulea*., source: Bungartz et al. (2020b); Bungartz, F. 7717 [CDS], Bungartz, F. 6438 [CDS], Bungartz, F. 6706 [CDS], Bungartz, F. 6779 [CDS], Aptroot, A. 64940 [CDS], Bungartz, F. 7428 [CDS], Aptroot, A. 65248 [CDS], Herrera-Campos, M.A. 10738 [CDS], Aptroot, A. 65488 C [CDS], Bungartz, F. 9578 [CDS], Ertz, D. 11884 [CDS], Bungartz, F. 10153 [CDS], Bungartz, F. 4131 [CDS], Aptroot, A. 65167 [CDS], Spielmann, A.A. 10514 [CDS], Spielmann, A.A. 10529 [CDS], Weber, W.A. s.n. [CDS], Aptroot, A. 65480 [CDS], Bungartz, F. 7594 [CDS]

Stegobolus

Stegobolus anamorphus (Nyl. ex Vain.) Frisch & Kalb v

[*Ocellularia anamorpha* Nyl. ex Riddle nom. inval., *Rhabdodiscus anamorphus* Nyl. ex Vain., *Thelotrema anamorphum* Nyl. nom. inval.]
Klara Scharnagl 2267 [MSC], Klara Scharnagl 1944 [MSC], Klara Scharnagl 2164 [MSC]

Stegobolus metaphoricus (Nyl.) Frisch v

[*Leptotrema metaphoricum* (Nyl.) Zahlbr., *Ocellularia metaphorica* (Nyl.) Hale, *Rhabdodiscus metaphoricus* (Nyl.) Vain., *Thelotrema metaphoricum* Nyl.]
source: Nöske et al. (2007)

Stereocaulon

Stereocaulon alpestre (Flot.) Dombr. v

[*Stereocaulon alpinum var. alpestre* (Flot.) C.W. Dodge, *Stereocaulon tomentosum f. alpestre* (Flot.) Nyl., *Stereocaulon tomentosum var. alpestre* Flot.]
source: Návas (1908), González et al. (2019)

Stereocaulon alpinum Laurer v

[*Stereocaulon paschale var. alpinum* (Laurer) Mudd, *Stereocaulon tomentosum var. alpinum* (Laurer) Th. Fr.]
source: Sipman (1992)

Stereocaulon atlanticum (I.M. Lamb) I.M. Lamb v

[*Stereocaulon meyeri subsp. atlanticum* I.M. Lamb]
source: Sipman (1992)

Stereocaulon azulense Yoshim. & W.A. Weber

endemic to Galapagos, Syntypes: Ecuador. Galápagos: Isla Isabela, Volcán Cerro Azul, SW-coast, Cerro Azul, between Iguana Cove and summit, 700 m altitude, steep grassy slopes, on fixed boulders above the wooded zone, 17-Jan-1984, Weber, W.A. s.n. & Beck, H. [distributed as Weber, Lich. Exs. [Boulder (Colorado) no. 645; holotype not correctly designated, needs lectotypification; L-83667 (4 duplicates all with same number)! – syntypes], source: Weber (1986), Elix & McCarthy (1998); Aptroot, A. 63170 [CDS], Aptroot, A. 64791 [CDS], Aptroot, A. 65265 [CDS], Bungartz, F. 4863 [CDS], Bungartz, F. 4132 A [CDS], Bungartz, F. 4299 [CDS], Bungartz, F. 4786 [CDS], Bungartz, F. 4788 [CDS], Aptroot, A. 65672 [CDS], Aptroot, A. 65750 [CDS], Bungartz, F. 3978 [CDS], Bungartz, F. 3979 A [CDS], Bungartz, F. 6796 [CDS], Ertz, D. 11795 [CDS], Ertz, D. 11881 [CDS], Ertz, D. 11915 [CDS], Bungartz, F. 7421 [CDS], Bungartz, F. 7471 [CDS], Bungartz, F. 7586 [CDS], Bungartz, F. 7742 [CDS], Truong, C. 1289 [CDS], Truong, C. 1298 A [CDS], Truong, C. 1299 [CDS], Clerc, P. 08-169 [CDS], Herrera-Campos, M.A. 10593 [CDS], Herrera-Campos, M.A. 10602 [CDS], Herrera-Campos, M.A. 10605 [CDS], Herrera-Campos, M.A. 10680 [CDS], Herrera-Campos, M.A. 10698 [CDS], Bungartz, F. 8165 [CDS], Bungartz, F. 8190 [CDS], Bungartz, F. 8352 [CDS], Bungartz, F. 8432 [CDS], Herrera-Campos, M.A. GAL-410 [CDS], Herrera-Campos, M.A. GAL-414 [CDS], Clerc, P. 08-127 [CDS], Bungartz, F. 10265 [CDS], Spielmann, A.A. 10459 [CDS], Spielmann, A.A. 10500 [CDS], Spielmann, A.A. 10537 [CDS], Spielmann, A.A. 10616 [CDS], Nugra, F. 1049 [CDS], Nugra, F. 1058 [CDS], Nugra, F. 1060 [CDS], Bungartz, F. 10315 [CDS], Bungartz, F. 10350 [CDS], Bungartz, F. 10354 [CDS], Bungartz, F. 7420 B [CDS], Bungartz, F. 8335 C [CDS]

Stereocaulon condensatum Hoffm. v

problematic, no modern record, source: Zahlbruckner (1907)

Stereocaulon condensatum f. condyloideum (Ach.) H. Magn. v

[*Cereolus condensatus var. condyloides* (Ach.) Boistel, *Stereocaulon condensatum subsp. condyloideum* (Ach.) Nyl., *Stereocaulon condensatum var. condyloideum* (Ach.) Nyl., *Stereocaulon condyloideum* Ach., *Stereocaulon paschale var. condyloideum* (Ach.) Nyl.]
problematic, name not resolved, no modern record, source: Zahlbruckner (1905)

Stereocaulon crambidiocephalum I.M. Lamb v

L. B. Holm-Nielsen... 17264 [US]

Stereocaulon didymicum I.M. Lamb

source: Sipman (1992)

Stereocaulon glareosum (Savicz) H. Magn.

[*Stereocaulon tomentosum f. glareosum* Savicz]
source: Sipman (1992); H.H. Iltis E--482 [ASU], Hugh H. Iltis sl-11528, e-482 [BRY], Hugh H. Iltis E-482 [WIS], Hugh H. Iltis E-482 [ILLS], H. H. Iltis & M. G. Iltis E - 482 [US]

Stereocaulon globisorum Sipman

source: Sipman (1986, 1992)

Stereocaulon magellanicum (Th. Fr.) Zahlbr.

problematic, no modern record, source: Návas (1908; as *Stereocaulon paschale* var. *magellanica*)

Stereocaulon meyeri Stein

source: Arvidsson (1991), Sipman (1999), Cevallos (2012)

Stereocaulon microcarpum Müll.Arg.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Elix & McCarthy (1998), Weber (1981, 1986); Weber, W. A 130574 [MSC], W.A. Weber s.n. [WIS], W.A. Weber... 1976-04-15 [UPS], William A. Weber s.n. [LSU], unknown 1976-04-15 [ALA], unknown 1976-04-15 [ALA]

Stereocaulon myriocarpum Th. Fr.

[*Stereocaulon tomentosum subsp. myriocarpum* (Th. Fr.) Nyl.]
source: Zahlbruckner (1907), Zahlbruckner (1905); Hugh H. Iltis E-486 [WIS], L. B. Holm-Nielsen... 6627 [US], L. B. Holm-Nielsen... 6763 [US], L. B. Holm-Nielsen... 6414 a [US], L. B. Holm-Nielsen... 3389 [US]

Stereocaulon novogranatense I.M. Lamb

source: Sipman (1992, 1999), Cevallos (2012)

Stereocaulon obesum Th. Fr.

problematic, an exsiccati specimen in WIS has been annotated by Lamb as *Stereocaulon speciosum* var. *surreptans* [Asplund *s.n.*, WIS-L-0110237]; the origin of that name remains unclear, source: Hale (1985), Sipman (1992), González et al. (2017a, b); S.R. Gradstein 1976-06-13 [ASU], 7455 1976-06-13 [OMA], Asplund, E 179 [MSC], Harris, Richard C 17431 [MSC], Harris, R. 17413 [MIN], Richard C Harris 174^0 [WIS], D. Ugent s.n. [WIS], D. Ugent s.n. [WIS], D. Ugent s.n. [WIS], D. Ugent s.n. [WIS], S.R. Gradstein s.n. [WIS], R. C. Harris 17431 [F], Churchill, Steven, P.... 13741 [DUKE], Culberson, William, L.... 20333 [DUKE], Culberson, William, L.... 20557 [DUKE], Culberson, William, L.... 20374 [DUKE], Gradstein, S., R.... s.n. [DUKE], S.R. Gradstein... 1976-06-13 [UPS], Erik Asplund L174 [UPS], PH00794554 [PH], PH00794553 [PH], Richard C. Harris 17431 [MOR], R.C. Harris 17779 [MOR], Richard C. Harris 17450 [MOR], 41067 [TNS], E. Asplund L174 [S]

Stereocaulon paschale (L.) Hoffm.

[*Baeomyces paschalis* (L.) Wahlenb., *Cladonia paschalis* (L.) Baumg., *Coralloides paschalis* Hoffm., *Lichen paschalis* L., *Patellaria paschalis* (L.) Wallr., *Patellaria paschalis var. paschalis* (L.) Wallr., *Verrucaria paschalis* (L.) Humb.]
problematic, no modern record, there are several reports of *S. tomentosum*, which previously has often been considered a subspecies or variety of *S. pachale*, possibly the basis for the record in Krempelhuber (1861), source: Krempelhuber (1861), Cevallos (2012)

Stereocaulon paschale var. magellanicum (Th. Fr.) Nyl.

problematic, name not resolved, no modern record, source: Navás (1908)

Stereocaulon pomiferum P.A. Duvign.

[*Stereocaulon claviceps var. pomiferum* (P.A. Duvign.) I.M. Lamb]
source: Sipman (1992); L. B. Holm-Nielsen... 17786 [US]

Stereocaulon proximum Nyl.

[*Lichen ramulosus* Sw., *Stereocaulon macquariense* C.W. Dodge, *Stereocaulon macrocarpoides* (Nyl.) Linds., *Stereocaulon macrocarpum* A. Rich., *Stereocaulon macrocarpum var. macrocarpum* A. Rich., *Stereocaulon mixtum* Nyl., *Stereocaulon mixtum var. mixtum* Nyl., *Stereocaulon proximum var. macrocarpoides* (Nyl.) Nyl., *Stereocaulon proximum var. nudatum* Müll.Arg., *Stereocaulon proximum var. proximum* Nyl., *Stereocaulon pulvinare* C.W. Dodge, *Stereocaulon ramulosum* (Sw.) Rausch., *Stereocaulon ramulosum f. crebratum* I.M. Lamb, *Stereocaulon ramulosum f. elegans* Th. Fr., *Stereocaulon ramulosum f. nudatum* (Müll. Arg.) I.M. Lamb, *Stereocaulon ramulosum f. subcompressum* I.M. Lamb, *Stereocaulon ramulosum var. compactum* Müll.Arg., *Stereocaulon ramulosum var. macrocarpoides* (Nyl.) Müll.Arg., *Stereocaulon ramulosum var. macrocarpum* (Rich.) C. Bab., *Stereocaulon ramulosum var. nudatum* (Müll.Arg.) Müll.Arg., *Stereocaulon ramulosum var. submollescens* (Nyl.) I.M. Lamb, *Stereocaulon submollescens* Nyl.]

Stereocaulon proximum var. gracilius Müll. Arg.

[*Stereocaulon ramulosum var. gracilius* (Müll. Arg.) I.M. Lamb]
problematic, name not resolved, no modern record, source: Müller (1879), Romeguère (1879)

Stereocaulon ramulosum (Sw.) Rausch.

[*Lichen ramulosus* Sw., *Stereocaulon macquariense* C.W. Dodge, *Stereocaulon macrocarpoides* (Nyl.) Linds., *Stereocaulon macrocarpum* A. Rich., *Stereocaulon macrocarpum var. macrocarpum* A. Rich., *Stereocaulon mixtum* Nyl., *Stereocaulon mixtum var. mixtum* Nyl., *Stereocaulon proximum* Nyl., *Stereocaulon proximum var. macrocarpoides* (Nyl.) Nyl., *Stereocaulon proximum var. nudatum* Müll.Arg., *Stereocaulon proximum var. proximum* Nyl., *Stereocaulon pulvinare* C.W. Dodge, *Stereocaulon ramulosum f. crebratum* I.M. Lamb, *Stereocaulon ramulosum f. elegans* Th. Fr., *Stereocaulon ramulosum f. nudatum* (Müll. Arg.) I.M. Lamb, *Stereocaulon ramulosum f. subcompressum* I.M. Lamb, *Stereocaulon ramulosum var. compactum* Müll.Arg., *Stereocaulon ramulosum var. macrocarpoides* (Nyl.) Müll.Arg., *Stereocaulon ramulosum var. macrocarpum* (Rich.) C. Bab., *Stereocaulon ramulosum var. nudatum* (Müll.Arg.) Müll.Arg., *Stereocaulon ramulosum var. submollescens* (Nyl.) I.M. Lamb, *Stereocaulon submollescens* Nyl.]
source: Roumeguère (1879), Müller (1879; as *Stereocaulon ramulosum* f. *elegans* & f. *macrocarpum*, *Stereocaulon proximum* var. *gracilius*), Zahlbruckner (1905, 1907), Sipman (1992), Nöske & Sipman (2004), Nöske et al. (2007), Mittermeier (2015), González et al. (2017a, b), van den Boom et al. (2022); A. Ortiz 344 [NY], R.C. Harris 16959 [ASU], C. C. Bratt 8028 [SBBG], Balslev, H 1710 [MSC], Harling, G 2040 [MSC], Prescott, G W 135767 [MSC], Unknown determiner 135768 [MSC], Prescott, G W 135769 [MSC], Camp, W. 4438 [MIN], Armstrong, P. s.n. [MIN], Harris, R. 17628 [MIN], Patricia Armstrong sl-10815 [BRY], H. Balslev 1710 [WIS], Harriet G. Barclay 8762 [WIS], P. Armstrong 1031 [WIS], Alice Johannsen 12 [WIS], Patricia K. Armstrong 1031 [WIS], G. Harling 2040 [WIS], Culberson, William, L.... 20183 [DUKE], King, Robert, M.... L10158A [DUKE], G. Harling 1947-07-13 [UPS], Erik Asplund 203 [UPS], Erik Asplund 291 [UPS], Patricia Armstrong s.n. [LSU], Wendell H. Camp E-4438 [LSU], G. Harling 1947-07-13 [O], Patricia Armstrong 1976-08-16 [UBC], Bravo A. 0001 [UTN], Asplund, E. L203 [CANB], Asplund, E. L291 [CANB], E. Asplund 203 [S], E. Asplund 291 [S]

Stereocaulon ramulosum var. compressum C. Bab.

problematic, name not resolved, source: Müller (1879)

Stereocaulon strictum Th. Fr.

source: Sipman (1992); D. Ugent s.n. [WIS], L. B. Holm-Nielsen... 3834 [US], R. C. Harris 16935 [US], L. B. Holm-Nielsen... 17501 [US], L. B. Holm-Nielsen... 3249 [US], E. Asplund L 108 [US], L. B. Holm-Nielsen... 5603 [US]

Stereocaulon tomentosum Fr.

[*Stereocaulon paschale subsp. tomentosum* (Fr.) Branth & Rostrup, *Stereocaulon paschale var. tomentosum* (Fr.) Duby]
source: Leighton (1866), Hale (1985), Sipman (1992), Nöske & Sipman (2004), Nöske et al. (2007), González et al (2017a, b, 2019), van den Boom et al. (2022); S.R. Gradstein 1976-06-13 [ASU], H.H. Iltis E--483 [ASU], H. H. Iltis E-483 [WIS], S.R. Gradstein s.n. [WIS], S.R. Gradstein... 1976-06-13 [UPS], Hugh H. Iltis E-483 [MIL], H. H. Iltis & M. G. Iltis E - 483 [US], Telma Paredes 1018 [INABIOEC-MECN-QCNE], Telma Paredes 977 [INABIOEC-MECN-QCNE], Telma Paredes 989 [INABIOEC-MECN-QCNE], Telma Paredes 991 [INABIOEC-MECN-QCNE], Telma Paredes 1000 [INABIOEC-MECN-QCNE]

Stereocaulon turgescens Nyl. nom. illegit.

problematic, name not resolved, no modern record, source: Leighton (1866)

Stereocaulon verruciferum Nyl.

source: Zahlbruckner (1905), Zahlbruckner (1907), Hale (1985), Sipman (1992), Sklenář et al. (2010); S.R. Gradstein 1976-06-13 [ASU], W.L. Culberson 20383 [ASU], W.L. Culberson 20383 [ASU], K. Anderson 1987-04-27 [ASU], G. Follmann 1994-03-01 [ASU], R. Rosentreter 13340 [ASU], W. L. Culberson 20383 [SBBG], Follmann 577 [SBBG], 9314 20383 [OMA], 15724 1994-03-01 [OMA], 15704 13,340 [OMA], 7518 1976-06-13 [OMA], Brako, L. 5022 [MIN], Culberson, W. 20383 [MIN], Rosentreter, R. 13340 [MIN], W.L. Culberson 20383 [OSC], S.R. Gradstein 245 [WIS], G. Follmann s.n. [WIS], K. Kalb 19102 [WIS], R. Rosentreter 13340b [SRP], G. Follmann, B C. Werner 577 [SRP], Culberson, William, L.... 20383 [DUKE], Culberson, William, L.... 20383 [DUKE], Gradstein, S., R.... s.n. [DUKE], S.R. Gradstein... 1976-06-13 [UPS], K. Kalb & A. Kalb 1987-08-12 [UPS], R. Buchsbaum 1964-00-00 [UPS], L. Culberson... 1987-08-22 [UPS], Culberson, W.L. s.n. [PH], William L. Culberson 20383 [LSU], William L. Culberson 20383 [LSU], William L. Culberson 20383 [LSU], William L. Culberson 20383 [LSU], Roger Rosenteter 13340 [LSU], E. Asplund 179 [O], K. Kalb, A. Kalb 1987-08-12 [O], W.L. Culberson... wlc 20383 [BG], W.L. Culberson... 20383 dupl. [BG], L. B. Holm-Nielsen... 6662 [US], W. L. Culberson... 20383 [US], S. R. Gradstein... 245 [US], S. R. Gradstein... 245 a [US], W. C. Steere E - 10 [US], W. L. Culberson... 20383 [US], H. Balslev 1571 [US]

Stereocaulon vesuvianum Pers.

[*Baeomyces denudatus* (Flörke) Hepp, *Patellaria paschalis var. nodulosa* Wallr., *Patellaria paschalis var. umbonata* Wallr., *Stereocaulon alpinum subsp. vesuvianum* (Pers.) Fr., *Stereocaulon alpinum var. vesuvianum* (Pers.) Link, *Stereocaulon botryosum var. vesuvianum* (Pers.) Ach., *Stereocaulon corallinum var. pulvinatum* Rabenh., *Stereocaulon denudatum* Flörke, *Stereocaulon denudatum f. capitatum* Flot. ex Körb., *Stereocaulon denudatum f. denudatum* Flörke, *Stereocaulon denudatum f. pulvinatum* (Schaer.) C.W. Dodge ex Räsänen, *Stereocaulon denudatum f. umbonatum* (Wallr.) Arnold, *Stereocaulon denudatum subsp. denudatum* Flörke, *Stereocaulon denudatum subsp. vesuvianum* (Pers.) Th. Fr., *Stereocaulon denudatum var. denudatum* Flörke, *Stereocaulon denudatum var. depressum* H. Magn., *Stereocaulon denudatum var. pulvinatum* (Rabenh.) Flot., *Stereocaulon denudatum var. umbonatum* (Wallr.) Zahlbr., *Stereocaulon denudatum var. vesuvianum* (Pers.) Laurer ex Hepp]
source: Sklenář et al. (2010); Richard C. Harris 17611 [MOR], E. Nickiforik s.n. [UBC], Aptroot, A. 63669 [CDS]

Stereocaulon vesuvianum var. thyrsoideum I.M. Lamb

problematic, name not resolved, no modern record; Holotype M-KREMP, Wagner, 1859, source: Lamb (1977)

Stereocaulon violascens Müll.Arg.

Typification: André 3961bis; André 3929, source: Müller (1879), Romeguère (1879), Zahlbruckner (1905, 1907); É. F. André 3961 bis [US]

Stereocaulon weberi I.M. Lamb

endemic to Galapagos, Type: Ecuador. Galápagos: Isla Santa Cruz, summit of Mt. Crocker, 800 m altitude, locally abundant on bare rocks, 1-Jan-1976, Weber, W.A. s.n., Lanier, J. [FH 79563 – holotype!; L-72340, COLO 355791 –isotype!]; specimens distributed as Weber, Lich. Exs. [Boulder (Colorado) no.494 are not isotypes, but originally identified as *Stereocaulon microcarpon*, source: Lamb (1977), Weber (1981, 1986), Elix & McCarthy (1998); Nugra, F. 254 [CDS], Aptroot, A. 63374 [CDS], Aptroot, A. 63167 [CDS], Aptroot, A. 65264 [CDS], Bungartz, F. 4757 [CDS], Bungartz, F. 4787 [CDS], Aptroot, A. 65661 [CDS], Bungartz, F. 3979 B [CDS], Bungartz, F. 3980 [CDS], Weber, W.A. s.n. [CDS], Bungartz, F. 6797 [CDS], Ertz, D. 11783 [CDS], Guézou, A. 113 A [CDS], Truong, C. 1153 [CDS], Truong, C. 1255 [CDS], Clerc, P. 08-126 [CDS], Clerc, P. 08-195 [CDS], Herrera-Campos, M.A. 10612 [CDS], Herrera-Campos, M.A. 10697 [CDS], Herrera-Campos, M.A. 10708 [CDS], Bungartz, F. 8336 [CDS], Bungartz, F. 8353 [CDS], Truong, C. 1298 B [CDS], Herrera-Campos, M.A. 10705 [CDS], Spielmann, A.A. 10451 [CDS], Spielmann, A.A. 10454 [CDS], Spielmann, A.A. 10504 [CDS], Spielmann, A.A. 10614 [CDS], Nugra, F. 1047 [CDS], Nugra, F. 1097 [CDS], Bungartz, F. 10323 [CDS], Bungartz, F. 10324 [CDS], Bungartz, F. 10374 [CDS], Bungartz, F. 10387 [CDS]

Sticta

Sticta ambavillaria (Bory) Ach.

[*Lichen ambavillarius* Bory, *Sticta ambavillaria f. ambavillaria* (Bory) Ach., *Sticta ambavillaria var. ambavillaria* (Bory) Ach., *Stictina ambavillaria* (Bory) Nyl., *Stictina ambavillaria f. ambavillaria* (Bory) Nyl., *Stictina ambavillaria var. ambavillaria* (Bory) Nyl.]
problematic, no modern record; the record in Cevallos (2012) is based on Návas (1908) reporting the taxon from Pifo (near Quito), source: Návas (1908), Cevallos (2012); Etayo, J. 25907 [hb. Etayo]

Sticta andensis (Nyl.) Trevis.

[*Sticta andensis f. andensis* (Nyl.) Trevis., *Stictina andensis* Nyl.]
source: Benítez et al. (2012, 2015), Benítez (2016), Chuquimarca et al. (2019), Fernández-Prado at al. (2022); Benítez, A. 415 [HUTPL]

Sticta andensis f. melanocarpa (Müll. Arg.) Zahlbr.

problematic, name not resolved, no modern record, source: Müller (1879)

Sticta andina B. Moncada, Lücking & Sérus.

[*Sticta paramuna* Moncada & Lücking nom. nud.]
source: Moncada et al. (2021), Fernández-Prado et al. (2022; as *Sticta dioica* nom. nud. and *Sticta paramuna* nom. nud.)

Sticta andreana (Müll.Arg.) Zahlbr.

[*Stictina andreana* Müll.Arg.]
problematic, no modern record, source: Müller (1879)

Sticta arachnofuliginosa Moncada & Lücking

source: Moncada & Lücking (2012)

Sticta arbuscula Moncada & Lücking

source: Moncada & Lücking (2012), Fernández-Prado et al. (2022); Aptroot, A. 64695 A [CDS]

Sticta beauvoisii Delise

[*Sticta weigelii var. beauvoisii* (Delise) Hue, *Stictina quercizans var. beauvoisii* (Delise) Müll. Arg., *Stictina weigelii f. beauvoisii* (Delise) Stizenb., *Stictina weigelii var. beauvoisii* (Delise) Stizenb.]
source: Müller (1879), Fernández-Prado et al. (2022)

Sticta canariensis (Bory) Bory ex Delise

[*Cladonia glauca f. dufourii* (Delise) Vain., *Cyanisticta dufourii*, *Lichen spongiosus* Scop., *Lobaria damicornis var. canariensis* (Bory) Kunze, *Pulmonaria canariensis* Bory, *Sticta damicornis f. canariensis* (Bory) Ach., *Sticta damicornis var. canariensis* (Bory) Flörke, *Sticta dufourei* Delise [erroneous spelling], *Sticta dufourii* Delise, *Sticta filicina var. dufourii* Delise, *Sticta fimbriata* Schaer., *Sticta sylvatica var. dufourii* (Delise) Nyl., *Stictina dufourii* (Delise) Nyl., *Stictina dufourii f. dufourii* (Delise) Nyl., *Stictina sylvatica subsp. dufourii* (Delise) Nyl., *Stictina sylvatica var. dufourii* (Delise) Nyl.]
problematic, name not resolved, source: Nöske et al. (2007; as *Sticta fimbriata*), Benítez et al. (2012; as *Sticta* aff. *canariensis*

Sticta carolinensis McDonald

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: McDonald et al. (2003); Ertz, D. 11906 B [CDS]

Sticta ciliaris Mont. & Bosch

[*Stictina ciliaris* (Mont. & Bosch) Nyl.]
problematic, no modern record, source: Leighton (1866)

Sticta cometia Ach.

[*Stictina cometia* Ach.]
K. Kalb & A. Kalb 1987-09-08 [UPS], K. Kalb, A. Kalb 1987-09-08 [O], 41874 [TNS]

Sticta cordillerana Gyeln.

source: Fernández-Prado et al. (2022, as *Sticta* aff. *cordillerana*)

Sticta cyphellulata (Müll.Arg.) Hue

[*Cyanisticta cyphellulata*, *Sticta intricata subf. cyphellulata* (Müll. Arg.) Zahlbr., *Stictina cyphellulata* Müll.Arg.]
source: Fernández-Prado et al. (2022, as *Sticta* aff. *cyphellulata*)

Sticta damicornis (Sw.) Ach.

[*Lichen damicornis* Sw., *Lobaria damicornis* (Sw.) Trevis., *Lobaria damicornis var. damicornis* (Sw.) Trevis., *Parmelia damicornis* (Sw.) Eschw., *Parmelia damicornis var. damicornis* (Sw.) Eschw., *Parmelia damicornis var. orthoceras* Eschw., *Sticta damaecornis* (Sw.) Ach. [erroneous spelling], *Sticta damicornis f. damicornis* (Sw.) Ach., *Sticta damicornis var. damicornis* (Sw.) Ach.]
problematic, no modern record; according to Návas (1908) from Pifo (near Quito); specimens collected by Herre and Esslinger should be reviewed, source: Návas (1908; as *Lobaria damaecornis*); Y. Mexía 7055 [F], Calvin R. Sperling 5017 [hb. Esslinger]

Sticta dilatata (Nyl.) Vain.

[*Sticta laciniata var. dilatata* Nyl.]
problematic, no modern record, source: Müller (1879)

Sticta dioica Moncada & Lücking nom. nud.

source: Fernández-Prado et al. (2022; name introduced for Colombia, but not validy published by Moncada 2012)

Sticta ferax Müll.Arg.

source: Benítez et al. (2012, 2015), Chuquimarca et al. (2019); Benítez, A. 416 [HUTPL]

Sticta filicinella (Nyl.) Zahlbr.

[*Stictina filicinella* Nyl.]
problematic, no modern record, source: Leighton (1866)

Sticta filix (Sw.) Nyl.

[*Lichen filix* Sw., *Lobaria filix* (Sw.) Raeusch., *Platisma filix* (Sw.) Hoffm., *Sticta filicina* Ach. nom. illegit., *Stictina filicina* Nyl. nom illegit., *Stictina filicina f. filicina* Nyl. nom. illegit.]
problematic, no modern record, source: Leighton (1866; as *Sticta filicina* Ach. non Mont.); Etayo, J. 19996 [hb. Etayo], Etayo, J. 19997 [hb. Etayo], Etayo, J. 20102 [hb. Etayo], Etayo, J. 25380 [hb. Etayo], Etayo, J. 25758 [hb. Etayo], Etayo, J. 25797 [hb. Etayo], Etayo, J. 25799 [hb. Etayo], Etayo, J. 25825 [hb. Etayo], Etayo, J. 25832 [hb. Etayo], Etayo, J. 25902 [hb. Etayo]

Sticta fuliginosa (With.) Ach.

[*Biatora fuliginosa* (Dicks.) Fr., *Biatora fuliginosa var. fuliginosa* (Dicks.) Fr., *Imbricaria olivacea var. fuliginosa* (With.) Hazsl., *Lichen fuliginosus* Hoffm. nom. illegit., *Lichen fuliginosus* Dicks. nom. illegit., *Lichen fuliginosus* With., *Parmelia dendritica var. fuliginosa* (With.) Müll. Arg., *Parmelia fuliginosa* (With.) Schaer., *Parmelia olivacea f. fuliginosa* (With.) Th. Fr., *Parmelia prolixa var. fuliginosa* (With.) Nyl., *Sticta sylvatica subsp. fuliginosa* (With.) Fr., *Sticta sylvatica var. fuliginosa* (Hoffm.) Hepp, *Stictina fuliginosa* (With.) Nyl., *Stictina fuliginosa f. firmior* Cromb., *Stictina fuliginosa f. fuliginosa* (Dicks.) Nyl.]
parasitized by *Lichenotubeufia boomiana, Tremella stictae, Xenonectriella streimannii* & *Bachmanniomyces santessonii*, source: Weber (1986), Elix & McCarthy (1998), Davey (1999), McDonald et al. (2003), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Mandl (2007), Benítez et al. (2012), Ochoa-Jiménez et al. (2015), Etayo (2017), Chuquimarca et al. (2019); Hugh H. Iltis E-264 [WIS], Erik Asplund 54 [WIS], Benítez, A. 417 [HUTPL], J. Etayo 17278 [hb. Etayo], Etayo, J. 17332 [hb. Etayo], Etayo, J. 17343 [hb. Etayo], Etayo, J. 19966 [hb. Etayo], Etayo, J. 20001 [hb. Etayo], Etayo, J. 25506 [hb. Etayo], J. Etayo 25562 [hb. Etayo], Etayo, J. 25620 [hb. Etayo], Etayo, J. 25626 [hb. Etayo], Etayo, J. 25647 [hb. Etayo], Etayo, J. 25678 [hb. Etayo], Etayo, J. 25683 [hb. Etayo], Etayo, J. 25698 [hb. Etayo], Etayo, J. 25774 [hb. Etayo], Etayo, J. 25813 [hb. Etayo], Etayo, J. 26262 [hb. Etayo], Etayo, J. 26280 [hb. Etayo], Etayo, J. 26341 [hb. Etayo], Etayo, J. 26356 [hb. Etayo], J. Etayo 26667 [hb. Etayo], Etayo, J. 27045 [hb. Etayo], Etayo, J. 26667 [QCAM]

Sticta gyalocarpa (Nyl.) Trevis. nom. inval.

[*Stictina gyalocarpa* Nyl., *Stictina gyalocarpa var. gyalocarpa* Nyl.]
problematic, no modern record, source: Leighton (1866)

Sticta humboldtii Hook.

[*Stictina humboldtii* (Hook.) Nyl.]
parasitized by *Spirographa longispora, Niesslia stictarum*, and *Niesslia lobariae*, source: Leighton (1866), Nöske & Sipman (2004), Nöske (2005), Benítez et al. (2012, 2015), Benítez (2016), Etayo (2017), Chuquimarca et al. (2019), Fernández-Prado at al. (2022); Benítez, A. 418 [HUTPL], Etayo, J. 19950 [hb. Etayo], Etayo, J. 20002 [hb. Etayo], Etayo, J. 20165 [hb. Etayo], Etayo, J. 25705 [hb. Etayo], Etayo, J. 25708 [hb. Etayo], Etayo, J. 25775 [hb. Etayo], Etayo, J. 25994 [hb. Etayo], Etayo, J. 26988 [hb. Etayo], Etayo, J. 26989 [hb. Etayo]

Sticta hypoglabra Moncada & Lücking

source: Fernández-Prado et al. (2022; name introduced for Colombia, but not validy published by Moncada 2012)

Sticta kunthii Hook. f.

[*Stictina kunthii* (Hook. f.) Nyl., *Stictina kunthii var. kunthii* (Hook.) Nyl.]
source: Müller (1879), Romeguère (1879), Zahlbruckner (1905, 1907), Fernández-Prado et al. (2022); P.J.M. Maas 2987 [ASU]

Sticta laciniata Ach.

[*Lichen laciniatus* Sw., *Sticta laciniata f. laciniata* Ach., *Sticta laciniata subsp. laciniata* Ach., *Sticta laciniata var. laciniata* Ach.]
parasitized by *Fellhanera stictae*, source: Leighton (1866), Müller (1879), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Mandl (2007), Benítez et al. (2012, 2015), Etayo (2017), Fernández-Prado et al. (2022); Benítez, A. 419 [HUTPL]

Sticta laciniata var. linearis Müll. Arg.

[*Sticta laciniata f. linearis* (Müll. Arg.) Stizenb.]
problematic, name not resolved, no modern record, source: Romeguère (1879)

Sticta laciniosa D.J. Galloway

source: Fernández-Prado et al. (2022)

Sticta latifrons A. Rich.

[*Lobaria latifrons* (A. Rich.) Trevis., *Lobaria latifrons var. latifrons* (A. Rich.) Trevis., *Sticta filicina f. latifrons* (A. Rich.) Mont., *Stictina latifrons* (A. Rich.) Shirley nom. inval.]
problematic, no modern record, source: Leighton (1866)

Sticta lenormandii (Nyl.) Kremp.

[*Sticta laciniata var. lenormandii* Nyl., *Stictina lenormandii* (Nyl.) Nyl., *Stictina lenormandii f. lenormandii* (Nyl.) Nyl.]
problematic, no modern record, source: Leighton (1866)

Sticta leucoblepharis Mont.

[*Sticta tomentosa f. leucoblepharis* (Tuck. & Mont.) Zahlbr., *Stictina tomentosa f. leucoblepharis* (Tuck. & Mont.) Nyl.]
source: Déleg et al. (2021)

Sticta lineariloba (Mont.) Nyl.

[*Lobaria lineariloba* (Mont.) Trevis., *Sticta filicina var. lineariloba* Mont., *Sticta lineariloba var. lineariloba* (Mont.) Nyl., *Sticta variabilis var. lineariloba* (Mont.) Stizenb.]
source: Fernández-Prado et al. (2022)

Sticta lobarioides B. Moncada & Coca

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 420 [HUTPL], Benítez, A. 421 [HUTPL], Benítez, A. 422 [HUTPL], Benítez, A. 423 [HUTPL]

Sticta macrocyphellata B. Moncada & Coca

source: Fernández-Prado et al. (2022)

Sticta macrothallina Moncada & Coca

source: Mittermeier (2015)

Sticta neolinita Gyeln.

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 424 [HUTPL], Benítez, A. 425 [HUTPL], Benítez, A. 426 [HUTPL], Benítez, A. 427 [HUTPL]

Sticta neopulmonarioides B. Moncada & Coca

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 428 [HUTPL], Benítez, A. 429 [HUTPL]

Sticta orizabana Nyl.

source: González et al. (2017b)

Sticta parahumboldtii B. Moncada & Lücking

source: Fernández-Prado et al. (2022)

Sticta plumbeociliata B. Moncada, A. Suárez & Lücking

source: Fernández-Prado et al. (2022)

Sticta scabrosa B. Moncada, Merc.-Díaz & Bungartz

Sticta scabrosa subsp. scabrosa B. Moncada, Merc.-Díaz & Bungartz

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Moncada et al. (2020, 2021)

Sticta subscrobiculata (Nyl.) Gyeln.

[*Sticta damicornis f. subscrobiculata* (Nyl.) Stizenb., *Sticta damicornis var. subscrobiculata* Nyl., *Sticta sinuosa f. subscrobiculata* (Nyl.) Zahlbr.]
source: Müller (1879); Nugra, F. 447 [CDS]

Sticta sylvatica (Hudson) Ach.

[*Lichen sylvaticus* Huds., *Parmelia sylvatica* (Huds.) Hepp, *Parmelia sylvatica var. sylvatica* (Huds.) Hepp, *Peltigera sylvatica* (Huds.) Hoffm., *Stictina sylvatica* (Huds.) Nyl.]
problematic, no modern records, source: Leighton (1866); Etayo, J. 25388 [hb. Etayo], Etayo, J. 25415 [hb. Etayo], Etayo, J. 25467 [hb. Etayo], Etayo, J. 25485 [hb. Etayo], Etayo, J. 25687 [hb. Etayo], Etayo, J. 25714 [hb. Etayo], Etayo, J. 25715 [hb. Etayo], Etayo, J. 25831 [hb. Etayo]

Sticta tomentella Nyl.

[*Stictina tomentella* (Nyl.) Nyl.]
problematic, no modern record, source: Leighton (1866)

Sticta tomentosa (Sw.) Ach.

[*Dystictina tomentosa* (Sw.) Clem., *Lichen tomentosus* Sw., *Lobaria tomentosa* (Sw.) Räuschel, *Pseudocyphellaria tomentosa* (Sw.) Vain., *Sticta richardii var. tomentosa* (Sw.) Meyen & Flot., *Sticta tomentosa subsp. tomentosa* (Sw.) Ach., *Sticta tomentosa var. tomentosa* (Sw.) Ach., *Stictina tomentosa var. tomentosa* (Sw.) Nyl.]
parasitized by *Didymocyrtis micropunctum, Niesslia stictarum*, *Dinemasporium strigosum* and *Periconia atra*, source: Müller (1879), Leighton (1866), Navás (1908), Nöske & Sipman (2004), Nöske et al. (2007), Benítez et al. (2012, 2015), Benítez (2016), Etayo (2017), Chuquimarca et al. (2019), Déleg et al. (2021), Fernández-Prado et al. (2022); Benítez, A. 430 [HUTPL], Etayo, J. 25480 [hb. Etayo], Etayo, J. 25645 [hb. Etayo], Etayo, J. 25768 [hb. Etayo]

Sticta venosa Lücking, Moncada & Robayo

Holotype QCNE, Lücking 26252, source: Lumbsch et al. (2011); R. Lücking 26252 [F], Lücking, R. 26252 [INABIOEC-MECN-QCNE]

Sticta weigelii (Ach.) Vain.

[*Sticta damicornis var. weigelii* Ach., *Sticta quercizans var. appendiculata* Müll.Arg., *Stictina quercizans var. ciliata* Müll.Arg., *Stictina quercizans var. gaudichaudii* (Delise) Nyl., *Stictina quercizans var. glaucovirens* Jatta, *Stictina quercizans var. leucoblephara* Müll.Arg., *Stictina quercizans var. peruviana* (Delise) Nyl., *Stictina quercizans var. quercizans* (Delise) Nyl., *Stictina quercizans var. schizophylliza* Nyl., *Stictina quercizans var. trichophora* Müll.Arg., *Stictina weigelii* (Ach.) Stizenb., *Stictina weigelii var. weigelii* (Ach.) Stizenb.]
parasitized by *Nectriopsis curtiseta, Lichenopeltella microspora, Niesslia lobariae, Chionosphaera apobasidialis, Niesslia stictarum,Tremella stictae, Lichenopeltella lobariae*, *Anisomeridium polypori*, and *Dacampia leptogiicola*, source: Müller (1879), Zahlbruckner (1905, 1097), Farlow (1902), Stewart (1912; as *Sticta quercizans*), Svenson (1935), Weber (1966, 1986), Elix & McCarthy (1998), Lutzoni (2003), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Sklenář et al. (2010), Benítez et al. (2015), Benítez (2016), Etayo (2017); Erik Asplund s.n. [WIS], L. B. Holm-Nielsen... 4055 [US], L. B. Holm-Nielsen... 628 b [US], L. B. Holm-Nielsen... 128 [US], B. Löjtnant & U. Molau 13510 [US], B. Löjtnant & U. Molau 14585 [US], L. B. Holm-Nielsen... 3139 [US], B. Löjtnant & U. Molau 14200 [US], Bungartz, F. 8000 A [CDS], Bungartz, F. 10960 A [CDS], Bungartz, F. 5765 [CDS], Bungartz, F. 9474 [CDS], Bungartz, F. 9473 [CDS], Bungartz, F. 10960 B [CDS], Bungartz, F. 10965 [CDS], Bungartz, F. 10968 [CDS], Bungartz, F. 10969 [CDS], Bungartz, F. 10970 A [CDS], Bungartz, F. 10970 B [CDS], Benítez, A. 431 [HUTPL], J. Etayo 17244 [hb. Etayo], J. Etayo 19910 [hb. Etayo], Etayo, J. 20003 [hb. Etayo], Etayo, J. 20004 [hb. Etayo], Etayo, J. 20010 [hb. Etayo], Etayo, J. 20128 [hb. Etayo], Etayo, J. 20129 [hb. Etayo], Etayo, J. 20159 [hb. Etayo], Etayo, J. 20167 [hb. Etayo], Etayo, J. 25433 [hb. Etayo], Etayo, J. 25434 [hb. Etayo], Etayo, J. 25488 [hb. Etayo], J. Etayo 25574 [hb. Etayo], Etayo, J. 25684 [hb. Etayo], Etayo, J. 25686 [hb. Etayo], Etayo, J. 25730 [hb. Etayo], Etayo, J. 25819 [hb. Etayo], Etayo, J. 25846 [hb. Etayo], Etayo, J. 25867 [hb. Etayo], Etayo, J. 25893 [hb. Etayo], Etayo, J. 25993 [hb. Etayo], Etayo, J. 26023 [hb. Etayo], Etayo, J. 26240 [hb. Etayo], Etayo, J. 26241 [hb. Etayo], Etayo, J. 26334 [hb. Etayo], Etayo, J. 26411 [hb. Etayo], J. Etayo 26666 [hb. Etayo], Etayo, J. 27037 [hb. Etayo]

Stigmatochroma

Stigmatochroma gerontoides (Stirt.) Marbach

[*Buellia gerontoides* (Stirt.) Imshaug, *Catillaria gerontoides* (Stirt.) Zahlbr., *Lecidea gerontoides* Stirt.]
source: Benítez (2016), Benítez et al. (2019); Benítez, A. 76 [HUTPL]

Stigmidium

Stigmidium ahtii Etayo & Palice

* = lichenicolous fungi (parasites on living lichens); on *Cladonia lopezii*, Holotype PRA, Palice 3189, source: Etayo (2017)

Stigmidium alectoriae (Linds.) Etayo

* = lichenicolous fungi (parasites on living lichens); on *Usnea* sp., source: Etayo (2017); Etayo, J. 19944 [hb. Etayo], Etayo, J. 25499 [hb. Etayo], J. Etayo 25607 [hb. Etayo]

Stigmidium disconephromeum Etayo

* = lichenicolous fungi (parasites on living lichens); on *Lobariella pallida*, source: Flakus et al. (2019), Etayo (2017); Etayo, J. 25618 [hb. Etayo]

Stigmidium epinesolechia Etayo

* = lichenicolous fungi (parasites on living lichens); on *Nesolechia* cf. *oxyspora*, *Puntelia* sp., & *Punctelia* cf. *reducta* , Holotype QCA, Etayo 20062, source: Etayo (2017); Etayo, J. 20062 [hb. Etayo], Etayo, J. 20087 [hb. Etayo], Etayo, J. & Palice, Z. 20062 [QCAM]

Stigmidium fuscatae (Arnold) R. Sant.

[*Arthopyrenia fuscatae* Arnold, *Arthopyrenia fuscatae var. fuscatae* Arnold, *Arthopyrenia fuscatae var. olivaceae* (Arnold) Arnold]
* = lichenicolous fungi (parasites on living lichens); on *Acarospora* sp., source: Etayo (2017)

Stigmidium heterodermiae Etayo

* = lichenicolous fungi (parasites on living lichens); on *Heterodermia leucomelos* subsp. *leucomelos* and subsp. *boryi*, source: Etayo (2017); J. Etayo 25334 [hb. Etayo], J. Etayo 25559 [hb. Etayo], J. Etayo 25601 [hb. Etayo], J. Etayo 17251 [hb. Etayo]

Stigmidium hypotrachynicola Etayo

* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna densirhizinata* & *Hypotrachyna* sp., Holotype QCA, Etayo 26973, source: Etayo (2017); Etayo, J. 20065 [hb. Etayo], Etayo, J. 25654 [hb. Etayo], Etayo, J. 26973 [hb. Etayo], Etayo, J. & Palice, Z. 26973 [QCAM]

Stigmidium joergensenii R. Sant.

* = lichenicolous fungi (parasites on living lichens); on *Marchandiomphalina foliacea*, source: Etayo (2017)

Stigmidium leptogii Etayo

* = lichenicolous fungi (parasites on living lichens); on *Leptogium phyllocarpum* & *L. azureum*, source: Etayo (2017); J. Etayo 20177 [hb. Etayo], Etayo, J. 25381 [hb. Etayo]

Stigmidium peltideae (Vain.) R. Sant.

[*Pharcidia peltideae* Vain.]
* = lichenicolous fungi (parasites on living lichens); on *Peltigera* sp., *Peltigera* cf. *polydactyla* & *Peltigera soredians*, source: Etayo (2017); Etayo, J. 20125 [hb. Etayo], Etayo, J. 23444 [hb. Etayo], J. Etayo 25576 [hb. Etayo], J. Etayo 26310 [hb. Etayo]

Stigmidium placopsidis E. Zimm. & F. Berger

* = lichenicolous fungi (parasites on living lichens); on *Placopsis* spp. & *Placopsis rhodocarpa*, source: Etayo (2017); Etayo, J. & Palice, Z. 25419 [QCAM]

Stigmidium porinae Matzer

* = lichenicolous fungi (parasites on living lichens); on *Microtheliopsis uleana* and *Trichothelium* sp., source: Etayo (2017), Lücking (1999)

Stigmidium pumilum (Lettau) Matzer & Hafellner

[*Rosellinia pumila* Lettau, *Sphaerellothecium pumilum* (Lettau) Nav.-Ros., Cl. Roux & Hafellner]
* = lichenicolous fungi (parasites on living lichens); on *Phaeophyscia endococcinodes* and other species of *Phaeophyscia*, source: Etayo (2017); Etayo, J. 20040 [hb. Etayo]

Stigmidium triebelae Etayo

* = lichenicolous fungi (parasites on living lichens); on *Parmotrema reticulatum*, source: Etayo (2017); Etayo, J. 25427 [hb. Etayo], Etayo, J. 25439 [hb. Etayo], Etayo, J. 25534 [hb. Etayo]

Stirtonia

Stirtonia dubia A. L. Smith

source: Benítez et al. (2019); Benítez, A. 77 [HUTPL]

Stirtonia ramosa Makhija & Patw.

source: Benítez et al. (2019); Benítez, A. 78 [HUTPL]

Strigula

Strigula antillarum (Fée) R. Sant.

[*Melanophthalmum antillarum* Fée, *Strigula elegans var. antillarum* (Fée) R. Sant.]
source: Lücking (1999, 2008)

Strigula concreta (Fée) R. Sant.

[*Craspedon concretum* Fée, *Strigula elegans var. concreta* (Fée) Zahlbr.]
source: Lücking (1999, 2008), van den Boom et al. (2022)

Strigula janeirensis (Müll. Arg.) Lücking

[*Phylloporina janeirensis* Müll.Arg., *Raciborskiella janeirensis* (Müll. Arg.) R. Sant.]
source: Lücking (1999, 2008), Lücking & Matzer (2001)

Strigula macrocarpa Vain.

source: Lücking (1999, 2008)

Strigula nitidula Mont.

[*Haploblastia nitidula* (Mont.) Trevis.]
source: Lücking (1999, 2008), Lücking & Matzer (2001), van den Boom et al. (2022); Bungartz, F. 8276 C [CDS], Bungartz, F. 8282 A [CDS], Bungartz, F. 8288 A [CDS], Aptroot, A. 64256 [CDS], Herrera-Campos, M.A. 10657 D [CDS], Bungartz, F. 8289 D [CDS], Bungartz, F. 8283 B [CDS], Bungartz, F. 8281 D [CDS], Bungartz, F. 8280 C [CDS]

Strigula obducta (Müll. Arg.) R.C. Harris

[*Phylloporina obducta* Müll.Arg., *Phylloporis obducta* (Müll. Arg.) R. Sant. & Tibell, *Porina obducta* (Müll. Arg.) F. Schill.]
source: Lücking (1999, 2008), Lücking & Matzer (2001); Lücking (1999), Lücking & Matzer (2001); R. Lücking s.n. [WIS], Robert Lücking 96-742 [INABIOEC-MECN-QCNE]

Strigula phyllogena (Müll. Arg.) R.C. Harris

[*Phylloporina phyllogena* (Müll.Arg.) Müll.Arg., *Phylloporis phyllogena* (Müll. Arg.) Clem., *Porina phyllogena* Müll.Arg., *Porinomyces phyllogenus* (Müll. Arg.) Bat.]
parasitized by *Opegrapha uniseptata*, source: Lücking (1999, 2008), Lücking & Matzer (2001), van den Boom et al. (2022); Aptroot, A. 64712 [CDS]

Strigula platypoda (Müll. Arg.) R.C. Harris

[*Phylloporina platypoda* (Müll.Arg.) Müll.Arg., *Phylloporis platypoda* (Müll. Arg.) Vězda, *Porina platypoda* Müll.Arg.]
source: Lücking (1999, 2008), Lücking & Matzer (2001), van den Boom et al. (2022)

Strigula prasina Müll. Arg.

[*Raciborskiella prasina* (Müll. Arg.) R. Sant.]
source: Lücking (1999, 2008)

Strigula schizospora R. Sant.

source: Lücking (1999, 2008); Spielmann, A.A. 8237 [CDS], Spielmann, A.A. 8239 B [CDS], Aptroot, A. 64217 B [CDS], Aptroot, A. 64215 [CDS], Rivas Plata, E. 4095 B [CDS], Bungartz, F. 8279 D [CDS]

Strigula smaragdula Fr.

[*Phyllocharis elegans* Fée, *Strigula elatior* Stirt., *Strigula elegans* (Fée) Müll.Arg., *Strigula elegans f. elegans* (Fée) Müll.Arg., *Strigula elegans subsp. elegans* (Fée) Müll.Arg., *Strigula elegans var. elatior* (Stirt.) Zahlbr., *Strigula elegans var. elegans* (Fée) Müll.Arg., *Strigula elegans var. eumorpha* Müll.Arg.]
source: Lücking (1999, 2008), Lücking & Matzer (2001); Rivas Plata, E. 4095 A [CDS]

Strigula subtilissima (Fée) Müll. Arg.

[*Racoplaca subtilissima* Fée]
source: Lücking (1999, 2008); Palice, Z. s.n. [DUKE]

Sucioplaca

Sucioplaca diplacia (Ach.) Bungartz, Søchting & Arup

[*Blastenia phaea* (Tuck.) Müll.Arg., *Callopisma diplacium* (Ach.) Müll.Arg., *Caloplaca diplacia* (Ach.) Riddle, *Caloplaca diplacia var. diplacia* (Ach.) Riddle, *Caloplaca diplacia var. phaea* (Tuck.) Zahlbr., *Caloplaca diplacioides* (Vain.) Zahlbr., *Caloplaca subdolosa* (Nyl.) Zahlbr., *Caloplaca subsequestra* (Nyl.) Riddle, *Lecania euthallina* Riddle, *Lecanora diplacia* Ach., *Lecanora phaea* Tuck., *Lecanora*

subdolosa Nyl., *Lecanora subsequestra* Nyl., *Lecidea phaea* (Tuck.) Hue, *Patellaria diplacia* (Ach.) Spreng., *Placodium diplacioides* Vain., *Placodium diplacium* (Ach.) Vain., *Placodium diplacium var. diplacium* (Ach.) Vain., *Placodium phaeum* (Tuck.) Tuck.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2020b); Bungartz, F. 6787 [CDS], Bungartz, F. 5217 [CDS], Bungartz, F. 6058 [CDS], Bungartz, F. 4801 B [CDS], Aptroot, A. 63732 A [CDS], Ertz, D. 11540 [CDS], Bungartz, F. 8648 [CDS], Herrera-Campos, M.A. GAL-491 [CDS], Hillmann, G. GAL-132 [CDS], Hillmann, G. GAL-131 [CDS], Hillmann, G. GAL-134 [CDS], Hillmann, G. GAL-141 [CDS], Bungartz, F. 9369 [CDS], Bungartz, F. 9370 [CDS], Bungartz, F. 9691 [CDS], Bungartz, F. 9855 [CDS], Bungartz, F. 9967 [CDS], Yánez-Ayabaca, A. 2022 [CDS], Bungartz, F. 3411 [CDS], Bungartz, F. 3418 [CDS], Bungartz, F. 4139 [CDS], Bungartz, F. 4815 [CDS], Bungartz, F. 4840 [CDS], Bungartz, F. 4627 [CDS], Bungartz, F. 3552 [CDS], Bungartz, F. 3527 A [CDS], Bungartz, F. 3525 [CDS], Bungartz, F. 3457 [CDS], Truong, C. 1288 [CDS], Clerc, P. 08-384 [CDS], Clerc, P. 08-230 [CDS], Bungartz, F. 5145 [CDS], Bungartz, F. 5630 [CDS], Bungartz, F. 4965 [CDS], Bungartz, F. 5631 [CDS], Bungartz, F. 5964 [CDS], Bungartz, F. 6060 [CDS], Aptroot, A. 64001 [CDS], Bungartz, F. 6658 [CDS], Bungartz, F. 7339 [CDS], Bungartz, F. 7723 [CDS], Bungartz, F. 9241 [CDS], Bungartz, F. 8442 [CDS], Bungartz, F. 8904 [CDS], Bungartz, F. 8905 [CDS], Bungartz, F. 10150 [CDS], Herrera-Campos, M.A. 10737 [CDS], Aptroot, A. 64559 [CDS], Aptroot, A. 63296 [CDS], Aptroot, A. 63282 [CDS], Aptroot, A. 63760 [CDS], Aptroot, A. 63124 [CDS], Aptroot, A. 63210 [CDS], Aptroot, A. 63082 [CDS], Aptroot, A. 65288 [CDS], Aptroot, A. 64090 [CDS], Aptroot, A. 63733 [CDS], Aptroot, A. 64978 [CDS], Aptroot, A. 65269 [CDS], Bungartz, F. 10331 [CDS], Bungartz, F. 10470 [CDS], Bungartz, F. 10536 [CDS], Aptroot, A. 64477 C [CDS]

Sulcopyrenula

Sulcopyrenula cruciata Aptroot v

source: van den Boom et al. (2022; as *Sulcopyrenula* cf. *cruciata*)

Swinscowia

Swinscowia obtecta (Vain.) S.H. Jiang, Lücking & Sérus.

[*Phyllobathelium obtectum* (Vain.) H. Mayrhofer, *Polyblastiopsis obtecta* (Vain.) Zahlbr., *Strigula obtecta* (Vain.) R.C. Harris, *Thelenella obtecta* Vain.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 64931 [CDS]

Synalissa

Synalissa mattogrossensis (Malme) Henssen

[*Peccania mattogrossensis* Malme]
preliminary identification, F. Bungartz: material needs verification; Bungartz, F. 5222 [CDS], Bungartz, F. 5223 [CDS], Bungartz, F. 5225 [CDS], Bungartz, F. 8985 [CDS], Bungartz, F. 9100 [CDS], Bungartz, F. 5247 [CDS], Bungartz, F. 5243 B [CDS]

Syncesia

Syncesia farinacea (Fée) Tehler v

[*Chiodecton farinaceum* Fée, *Chiodecton farinaceum var. farinaceum* Fée]
source: Aptroot & Sparrius (2008), Benítez et al. (2019); Bungartz, F. 3881 [CDS], Bungartz, F. 3905 [CDS], Aptroot, A. 64591 [CDS], Bungartz, F. 5036 [CDS], Aptroot, A. 65387 [CDS], Bungartz, F. 5796 [CDS], Bungartz, F. 4649 [CDS], Aptroot, A. 65441 [CDS], Bungartz, F. 5933 [CDS], Ertz, D. 11552 [CDS], Tehler, A. 8720 [CDS]

Syncesia flavescens (Nyl.) Tehler

[*Platygrapha flavescens* Nyl., *Schismatomma flavescens* (Nyl.) Zahlbr.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, most Galapagos specimens originally identified as *S. flavescens* are misidentifications of *Cryptothecia assimilis*, one specimen collected by Lawrence Pike (Pike 2772, OSC 59840) belongs to *S. flavescens*; in addition to the characteristic *Syncesia* ascomata this specimen also hava a browish black, felt-like sporodochia otherwise typical for *Tylophoron moderatum*, specimens that lack these ascomata, but have sporodochia and a UV+ bright orange thallus were previously thought to be an anamorph of *T. moderatum*; Ertz, D. 11569 A [CDS], Bungartz, F. 7109 A [CDS], Bungartz, F. 3902 A [CDS], Aptroot, A. 65438 A [CDS], Aptroot, A. 64604 A [CDS], Bungartz, F. 7855 A [CDS], Bungartz, F. 3901 A [CDS], Bungartz, F. 8006 A [CDS], Bungartz, F. 8520 A [CDS], Aptroot, A. 64779 A [CDS]

Syncesia glyphysoides (Fée) Tehler v

[*Arthonia glyphysoides* Fée, *Graphis glyphysoides* (Fée) A. Massal.]
source: Benítez et al. (2019); Benítez, A. 80 [HUTPL]

Syncesia graphica (Fries) Tehler v

[*Chiodecton perplexum* Nyl., *Glyphis graphica* Fr.]
source: Weber (1986), Tehler (1997), Aptroot & Sparrius (2008), Benítez et al. (2019); Weber, W.A. s.n. [CDS], Aptroot, A. 63078 [CDS], Bungartz, F. 3380 [CDS], Bungartz, F. 3382 [CDS], Bungartz, F. 5681 [CDS], Bungartz, F. 5025 [CDS], Bungartz, F. 5183 [CDS], Bungartz, F. 5271 [CDS], Bungartz, F. 4659 [CDS], Bungartz, F. 5887 [CDS], Tehler, A. 8627 [CDS], Ertz, D. 11516 [CDS], Ertz, D. 11668 [CDS], Ertz, D. 12030 [CDS], Ertz, D. 12049 [CDS], Bungartz, F. 7178 [CDS], Clerc, P. 08-374 [CDS], Tehler, A. 8650 [CDS], Rivas Plata, E. 4003 [CDS], Yánez-Ayabaca, A. 1642 [CDS], Bungartz, F. 10181 [CDS], Benítez, A. 83 [HUTPL]

Syncesia leprobola Nyl. ex Tehler v

[*Chiodecton leprobolum* Nyl. nom. nud.]
source: Weber (1986), Tehler (1997), Aptroot & Sparrius (2008), Bungartz et al. (2013), Benítez (2016), Benítez et al. (2019); Bungartz, F. 8204 [CDS], Weber, W.A. s.n. [CDS], Weber, W.A. s.n. [CDS], Pozo, P. 2025 [CDS], Aptroot, A. 63050 [CDS], Aptroot, A. 63056 [CDS], Aptroot, A. 63077 [CDS], Simbaña, W. 554 [CDS], Simbaña, W. 555 [CDS], Bungartz, F. 3939 [CDS], Bungartz, F. 6444 [CDS], Aptroot, A. 64537 [CDS], Bungartz, F. 3333 [CDS], Bungartz, F. 3381 [CDS], Aptroot, A. 63876 [CDS], Aptroot, A. 64013 [CDS], Aptroot, A. 64035 [CDS], Bungartz, F. 6250 [CDS], Bungartz, F. 5689 [CDS], Bungartz, F. 5021 [CDS], Bungartz, F. 4629 [CDS], Bungartz, F. 4410 [CDS], Aptroot, A. 64073 [CDS], Bungartz, F. 5795 [CDS], Aptroot, A. 64869 [CDS], Bungartz, F. 4664 [CDS], Bungartz, F. 4894 [CDS], Bungartz, F. 4895 [CDS], Bungartz, F. 4770 [CDS], Bungartz, F. 4810 [CDS], Nugra, F. 322 [CDS], Nugra, F. 136 [CDS], Nugra, F. 7 [CDS], Bungartz, F. 6907 [CDS], Bungartz, F. 6970 [CDS], Bungartz, F. 6984 [CDS], Bungartz, F. 7060 [CDS], Nugra, F. 455 [CDS], Ertz, D. 11517 [CDS], Bungartz, F. 7089 [CDS], Jaramillo, P. 2968 [CDS], Truong, C. 1296 [CDS], Clerc, P. 08-373 A [CDS], Herrera-Campos, M.A. 10775 [CDS], Herrera-Campos, M.A. 10811 [CDS], Herrera-Campos, M.A. 10820 [CDS], Tehler, A. 8622 [CDS], Tehler, A. 8689 [CDS], Tehler, A. 8719 [CDS], Bungartz, F. 8314 [CDS], Bungartz, F. 8468 [CDS], Bungartz, F. 8472 A [CDS], Bungartz, F. 8560 [CDS], Bungartz, F. 8614 [CDS], Herrera-Campos, M.A. GAL-451 [CDS], Herrera-Campos, M.A. GAL-480 [CDS], Herrera-Campos, M.A. GAL-481 [CDS], Herrera-Campos, M.A. GAL-482 [CDS], Hillmann, G. GAL-69 [CDS], Nugra, F. 888 [CDS], Spielmann, A.A. 8164 [CDS], Bungartz, F. 8869 A [CDS], Bungartz, F. 9257 [CDS], Bungartz, F. 9684 [CDS], Bungartz, F. 9424 [CDS], Bungartz, F. 9687 [CDS], Bungartz, F. 9734 [CDS], Bungartz, F. 9767 [CDS], Bungartz, F. 9792 [CDS], Bungartz, F. 9884 [CDS], Bungartz, F. 10278 [CDS], Rivas Plata, E. 4026 [CDS], Bungartz, F. 6695 [CDS], Clerc, P. 08-275 [CDS], Spielmann, A.A. 8213 [CDS], Spielmann, A.A. 8215 [CDS], Yánez-Ayabaca, A. 2000 [CDS], Yánez-Ayabaca, A. 2114 [CDS], Spielmann, A.A. 10628 [CDS], Spielmann, A.A. 10629 [CDS], Spielmann, A.A. 10632 [CDS], Spielmann, A.A. 10634 [CDS], Bungartz, F. 10480 [CDS], Bungartz, F. 8397 [CDS], Clerc, P. 08-29 [CDS], Spielmann, A.A. 8212 [CDS], Spielmann, A.A. 8167 [CDS], Aptroot, A. 64702 [CDS], Ziemmeck, F. 765 [CDS], Bungartz, F. 6246 [CDS], Bungartz, F. 3887 [CDS], Aptroot, A. 65386 [CDS], Moncada, B. 8427 [CDS], Jonitz, H. 57 [CDS]

Syncesia psaroleuca (Nyl.) Tehler v

[*Platygrapha psaroleuca* Nyl., *Schismatomma psaroleucum* (Nyl.) Zahlbr.]
source: Tehler (1997), Nöske et al. (2007); Bungartz, F. 6446 [CDS], Aptroot, A. 64584 [CDS], Bungartz, F. 5024 [CDS], Aptroot, A. 65185 [CDS], Bungartz, F. 5093 [CDS], Bungartz, F. 5094 [CDS], Bungartz, F. 4893 [CDS], Bungartz, F. 5932 [CDS], Aptroot, A. 63971 [CDS], Aptroot, A. 65688 [CDS], Bungartz, F. 4768 [CDS], Aptroot, A. 64072 [CDS], Ertz, D. 11696 [CDS], Tehler, A. 8793 [CDS], Bungartz, F. 8466 [CDS], Bungartz, F. 8615 [CDS], Bungartz, F. 9795 [CDS], Bungartz, F. 9993 [CDS], Bungartz, F. 10275 [CDS]

Syzygospora

Syzygospora parmeliicola Diederich v

* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna costaricensis*, source: Etayo (2017)

Taeniolella

Taeniolella arthoniae (M.S. Christ. & D. Hawksw.) Heuchert & U. Braun

[*Cladosporium arthoniae* M.S. Christ. & D. Hawksw.]
* = lichenicolous fungi (parasites on living lichens); on *Dirina pacifica*, preliminary identification; Index Fungorum: anamorphic *Davidiella*, source: Etayo (2017); Aptroot, A. 65758 B [CDS]

Taeniolella atricerebrina Hafellner v

* = lichenicolous fungi (parasites on living lichens); on *Tephromela atra*, source: Etayo (2017); Etayo, J. 26246 [hb. Etayo]

Taeniolella diederichiana Etayo & Calat. v

* = lichenicolous fungi (parasites on living lichens); on *Placopsis rhodocarpa* & *Placopsis gelida*, source: Etayo (2017); J. Etayo 19926 [hb. Etayo], Etayo, J. 26979 [hb. Etayo], Etayo, J. 25419 [hb. Etayo]

Tapellaria

Tapellaria albomarginata Lücking

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 8623 A [CDS], Bungartz, F. 8626 A [CDS], Bungartz, F. 8630 B [CDS], Bungartz, F. 8629 C [CDS], Bungartz, F. 8625 A [CDS], Bungartz, F. 8622 C [CDS], Aptroot, A. 64217 A [CDS], Bungartz, F. 9359 G [CDS]

Tapellaria epiphylla (Müll.Arg.) R. Sant. v

[*Lopadium epiphyllum* Müll.Arg.]
source: Lücking (1999, 2008), van den Boom et al. (2022); Bungartz, F. 8275 A [CDS], Bungartz, F. 3945 [CDS], Bungartz, F. 5610 [CDS], Bungartz, F. 7064 A [CDS], Bungartz, F. 7323 [CDS], Aptroot, A. 63323 B [CDS], Herrera-Campos, M.A. 10635 A [CDS], Bungartz, F. 8274 [CDS], Bungartz, F. 8293 A [CDS], Bungartz, F. 8763 A [CDS], Rivas Plata, E. 4100 [CDS], Spielmann, A.A. 8238 A [CDS], Bungartz, F. 9665 A [CDS], Bungartz, F. 9666 A [CDS], Bungartz, F. 10054 A [CDS], Bungartz, F. 10450 A [CDS], Bungartz, F. 10454 A [CDS], Bungartz, F. 10455 A [CDS], Bungartz, F. 10451 B [CDS], Spielmann, A.A. 8241 D [CDS], Spielmann, A.A. 8235 E [CDS], Herrera-Campos, M.A. 10634 B [CDS], Herrera-Campos, M.A. 10657 F [CDS], Bungartz, F. 8292 C [CDS], Bungartz, F. 8290 B [CDS], Bungartz, F. 8287 C [CDS], Bungartz, F. 8286 C [CDS], Bungartz, F. 8285 A [CDS], Bungartz, F. 8284 B [CDS], Bungartz, F. 8283 A [CDS], Bungartz, F. 8281 C [CDS], Bungartz, F. 8279 F [CDS], Bungartz, F. 8278 B [CDS], Bungartz, F. 8276 A [CDS], Bungartz, F. 8631 B [CDS], Bungartz, F. 7327 B [CDS], Bungartz, F. 7322 A [CDS], Bungartz, F. 7326 A [CDS], Bungartz, F. 7325 A [CDS], Bungartz, F. 7324 A [CDS], Bungartz, F. 8765 D [CDS], Bungartz, F. 8764 B [CDS], Bungartz, F. 3948 A [CDS], Aptroot, A. 64259 [CDS], Aptroot, A. 64271 A [CDS], Aptroot, A. 64609 A [CDS], Aptroot, A. 63326 B [CDS], Bungartz, F. 10055 B [CDS], Aptroot, A. 64607 C [CDS], Bungartz, F. 9360 B [CDS], Bungartz, F. 9659 D [CDS], Bungartz, F. 9663 D [CDS], Bungartz, F. 10971 E [CDS], Bungartz, F. 10973 B [CDS], Bungartz, F. 10977 B [CDS]

Tapellaria granulosa Lücking & Rivas Plata

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 3486 [CDS], Aptroot, A. 63395 B [CDS]

Tapellaria leonorae M. Cáceres & Lücking

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Nugra, F. 910 B1 [CDS]

Tapellaria malmei R. Sant. v

* = lichenicolous fungi (parasites on living lichens); on *Peltigera* sp., source: Etayo (2017); Nugra, F. 216 [CDS], Aptroot, A. 64532 [CDS], Etayo, J. 20183 [hb. Etayo]

Tapellaria marcellae Lücking v

Holotype QCNE, Lücking 96-556, source: Lücking (1999, 2008); R. Lücking 96-556 [INABIOEC-MECN-QCNE], Lücking, R. 96-556 [INABIOEC-MECN-QCNE]

Tapellaria moelleri (Henriq. ex Nyl.) R. Sant. v

[*Lecidea moelleri* Henriq. ex Nyl., *Lopadium moelleri* (Henriq. ex Nyl.) Zahlbr.]
source: Lücking (1999), Cevallos (2012)

Tapellaria nana (Fée) R. Sant. v

[*Lecanora nana* Fée]
source: Lücking (1999, 2008); Bungartz, F. 5013 A [CDS], Bungartz, F. 5004 C [CDS], Bungartz, F. 8290 A [CDS], Bungartz, F. 8291 A [CDS], Bungartz, F. 8631 A [CDS], Rivas Plata, E. 4092 [CDS], Rivas Plata, E. 4089 [CDS], Bungartz, F. 9362 A [CDS], Bungartz, F. 9363 A [CDS], Bungartz, F. 10449 A [CDS], Bungartz, F. 10450 B [CDS], Spielmann, A.A. 8153 E [CDS], Spielmann, A.A. 8238 B [CDS], Spielmann, A.A. 8241 E [CDS], Spielmann, A.A. 8235 D [CDS], Herrera-Campos, M.A. 10635 B [CDS], Herrera-Campos, M.A. 10653 B [CDS], Bungartz, F. 8293 B [CDS], Bungartz, F. 8287 D [CDS], Bungartz, F. 8284 A [CDS], Bungartz, F. 8281 B [CDS], Bungartz, F. 8280 A [CDS], Bungartz, F. 8278 A [CDS], Bungartz, F. 8234 C [CDS], Bungartz, F. 8232 B [CDS], Bungartz, F. 8229 B [CDS], Bungartz, F. 8632 B [CDS], Bungartz, F. 7088 B [CDS], Nugra, F. 910 D4 [CDS], Aptroot, A. 64271 B [CDS], Bungartz, F. 9386 B [CDS], Bungartz, F. 9385 C [CDS], Bungartz, F. 8275 B [CDS], Aptroot, A. 64607 D [CDS], Bungartz, F. 9665 B [CDS], Bungartz, F. 9359 B [CDS], Bungartz, F. 9359 F [CDS], Bungartz, F. 9663 E [CDS], Bungartz, F. 9358 B [CDS], Bungartz, F. 9364 C [CDS], Bungartz, F. 10980 C [CDS], Bungartz, F. 10981 [CDS], Bungartz, F. 9364 F [CDS], Robert Lücking 96-236 [INABIOEC-MECN-QCNE]

Tapellaria nigrata (Müll.Arg.) R. Sant. v

[*Bacidia rufula var. nigrata* (Müll.Arg.) Zahlbr., *Patellaria rufula var. nigrata* Müll.Arg.]
source: Lücking (1999, 2008); Aptroot, A. 64709 B [CDS], Aptroot, A. 64274 B [CDS], Bungartz, F. 7064 D [CDS], Bungartz, F. 8628 B [CDS], Rivas Plata, E. 4091 [CDS]

Tapellaria phyllophila (Stirt.) R. Sant. v

[*Lecidea phyllophila* Stirt., *Lopadium phyllophilum* (Stirt.) Müll. Arg.]
source: Lücking (1999, 2008), van den Boom et al. (2022); Nugra, F. 525 [CDS]

Tapellariopsis

Tapellariopsis octomera Lücking v

source: Lücking (1999, 2008)

Telogalla

Telogalla cajasensis Etayo v

* = lichenicolous fungi (parasites on living lichens); on *Leptogium* gr. *mallotium* , Holotype QCA, Etayo 20080, source: Etayo (2017); Etayo, J. & Palice, Z. 20080 [QCAM]

Teloschistes

Teloschistes chrysophthalmus (L.) Th. Fr. v

[*Borrera chrysophthalma* (L.) Ach., *Hagenia chrysophthalma* (L.) Rabenh., *Lichen chrysophthalmus* L., *Lobaria chrysophthalma* (L.) Räuschel, *Niorma chrysophthalma* (L.) S.Y. Kondr., Kärnefelt, Elix, A. Thell, M.H. Jeong & Hur, *Parmelia chrysophthalma* (L.) Ach., *Physcia chrysophthalma* (L.) DC., *Physcia chrysophthalma var. chrysophthalma* (L.) DC., *Physcia villosa var. dickieana* Linds., *Platysma denudatum* Hoffm., *Teloschistes chrysophthalmus f. chrysophthalmus* (L.) Beltr., *Teloschistes chrysophthalmus f. cinereus* Müll. Arg., *Teloschistes chrysophthalmus f. denudatus* (Hoffm.) Hillmann, *Teloschistes chrysophthalmus var. chrysophthalmus* (L.) Beltr., *Teloschistes chrysophthalmus var. cinereus* Müll. Arg., *Teloschistes chrysophthalmus var. denudatus* (Hoffm.) Müll.Arg., *Teloschistes chrysophthalmus var. dickieanus* (Linds.) Zahlbr., *Teloschistes chrysophthalmus var. dilatatus* (Stizenb.) Hillmann, *Teloschistes chrysophthalmus var. flavoalbidus* (Kremp.) Malme, *Teloschistes chrysophthalmus var. hypoglaucoides* Hillmann, *Teloschistes chrysophthalmus var. melanotrichus* Maheu, *Teloschistes chrysophthalmus var. subpulvinaris* Gyeln., *Tornabenia chrysophthalma* (L.) A. Massal., *Xanthoanaptychia chrysophthalma* (L.)

S.Y. Kondr. & Kärnefelt, *Xanthoria chrysophthalma* (L.) Stizenb.]
source: Leighton (1866; as *Physcia chrysophthalma*), Davey (1999), Ochoa-Jiménez et al. (2015), Chuquimarca et al. (2019), Bungartz et al. (2020b); Aptroot, A. 64902 [CDS], Bungartz, F. 4422 [CDS], Ertz, D. 12017 [CDS], Bungartz, F. 7405 [CDS], Spielmann, A.A. 10679 [CDS], Spielmann, A.A. 10680 [CDS], Spielmann, A.A. 10681 [CDS], Bungartz, F. 10422 [CDS]

Teloschistes exilis (Michaux) Vain. v

[*Borrera exilis* (Michaux) Ach., *Physcia exilis* Michaux, *Teloschistes chrysocarpoides var. minor* (Cromb.) C.W. Dodge, *Teloschistes costatus var. pallidus* (Sambo) C.W. Dodge, *Teloschistes exilis f. dealbatus* (Flot.) Hillmann, *Teloschistes exilis f. exilis* (Michx.) Vain., *Teloschistes exilis f. inaequalis* Gyeln., *Teloschistes exilis var. dealbatus* Hillmann, *Teloschistes exilis var. exilis* (Michx.) Vain., *Teloschistes exilis var. pulvinatus* Hillmann, *Teloschistes flavicans f. minor* (Cromb.) Hillmann, *Teloschistes flavicans var. exilis* (Michaux) Müll. Arg., *Teloschistes flavicans var. minor* Cromb., *Teloschistes flavicans var. pallidus* Sambo]
source: Müller (1879), Romeguère (1879), Diels (1937), Ochoa-Jiménez et al. (2015), Etayo (2017), Chuquimarca et al. (2019), van den Boom et al. (2022); Patricia K. Armstrong 1033 [WIS], Patricia K. Armstrong 1033 [WIS], Culberson, William, L.... 20380 [DUKE], Culberson, William, L.... 20289 [DUKE], Bungartz, F. 5486 [CDS], J. Etayo 17257 [hb. Etayo], Etayo, J. 19963 [hb. Etayo], J. Etayo 25341 [hb. Etayo], Etayo, J. 25490 [hb. Etayo], Etayo, J. 25521 [hb. Etayo], Etayo, J. 25533 [hb. Etayo], J. Etayo 25556 [hb. Etayo], J. Etayo 25578 [hb. Etayo], Etayo, J. 25889 [hb. Etayo], Etayo, J. 26253 [hb. Etayo], J. Etayo 26677 [hb. Etayo], Etayo, J. 26677 [QCAM]

Teloschistes flavicans (Sw.) Norman v

[*Alectoria epichrysa* Stirt., *Anaptychia flavicans* (Sw.) A. Massal., *Borrera acromela* Pers., *Borrera flavicans* (Sw.) Ach., *Borrera flavicans f. flavicans* (Sw.) Ach., *Borrera flavicans f. laeta* Ach., *Cornicularia crocea* Ach., *Cornicularia flavicans* Pers., *Evernia flavicans* (Sw.) Fr., *Evernia flavicans f. maxima* Meyen & Flot. nom. inval., *Evernia flavicans var. melanotricha* Meyen & Flot., *Lichen flavicans* Sw., *Lobaria flavicans* (Sw.) Trevis., *Parmelia chrysophthalma var. flavicans* (Sw.) Eschw., *Parmelia flavicans* (Sw.) Ach., *Physcia acromela* (Pers.) Nyl., *Physcia chrysophthalma var. flavicans* (Sw.) Tuck., *Physcia flavicans* (Sw.) DC., *Teloschistes acromelus* (Pers.) Vain., *Teloschistes capensis var. cinerascens* (Stein) C.W. Dodge, *Teloschistes chrysophthalmus var. flavicans* (Sw.) Tuck., *Teloschistes flavicans f. cinerascens* (Stein) Müll. Arg., *Teloschistes flavicans f. flavicans* (Sw.) Norman, *Teloschistes flavicans f. hirtella* Vain., *Teloschistes flavicans f. hirtellus* Vain., *Teloschistes flavicans f. laetus* (Ach.) Müll. Arg., *Teloschistes flavicans f. uruguayensis* Gyeln., *Teloschistes flavicans var. acromelus* (Pers.) Müll.Arg., *Teloschistes flavicans var. compressus* Js. Murray, *Teloschistes flavicans var. croceus* (Ach.) Müll.Arg., *Teloschistes flavicans var. flavicans* (Sw.) Norman, *Teloschistes flavicans var. intermedius* Müll. Arg., *Teloschistes flavicans var. laetus* (Ach.) Hillmann, *Teloschistes flavicans var. maximus* (Meyen & Flot.) Zahlbr., *Teloschistes flavicans var. melanotrichus* (Meyen & Flot.) Müll. Arg., *Teloschistes flavicans var. roccelliformis* Räsänen, *Teloschistes flavicans var. tenuissima* (Meyen & Flot.) Müll. Arg., *Tornabenia flavicans* (Sw.) A. Massal., *Tornabenia flavicans f. cinerascens* Stein, *Tornabenia flavicans f. flavicans* (Sw.) A. Massal., *Xanthoria flavicans* (Sw.) H. Olivier]
parasitized by *Didymocyrtis infestans* & *Nectria byssophila*, source: Leighton (1866; as *Physcia flavicans*), Müller (1879; as *Teloschistes flavicans* var. *acromela*; name not resolved), Zahlbruckner (1905, 1907), Farlow (1902) Stewart (1912), Dodge (1936), Diels (1937), Weber (1966, 1981, 1986), Elix & McCarthy (1998), LeDee (2000), Nöske & Sipman (2004), Parolly & Kürschner (2004), Nöske (2005), Nöske et al. (2007), Ochoa-Jiménez et al. (2015), Etayo (2017), Benítez et al. (2012, 2015), Benítez (2016), Chuquimarca et al. (2019), Bungartz (2020b); B. C. Bennett 3807 [NY], C. C. Bratt 8024 [SBBG], Asplund, E 11 [MSC], Hugh H. Iltis E-538 [WIS], Culberson, William, L.... 20489 [DUKE], Culberson, William, L.... 20247 [DUKE], Culberson, William, L.... 20207 [DUKE], Culberson, William, L.... 20178 [DUKE], E. Asplund 11 [O], Luong, T.T. s.n. [CDS], Weber, W.A. s.n. [CDS], Aptroot, A. 63075 [CDS], Aptroot, A. 63224 [CDS], Aptroot, A. 63380 [CDS], Simbaña, W. 550 [CDS], Bungartz, F. 6189 [CDS], Bungartz, F. 6558 [CDS], Bungartz, F. 3350 [CDS], Bungartz, F. 3584 [CDS], Bungartz, F. 6273 [CDS], Bungartz, F. 5694 [CDS], Bungartz, F. 4389 [CDS], Bungartz, F. 3501 [CDS], Bungartz, F. 5067 [CDS], Bungartz, F. 4741 [CDS], Aptroot, A. 65217 [CDS], Aptroot, A. 65278 [CDS], Bungartz, F. 6601 [CDS], Bungartz, F. 6616 [CDS], Bungartz, F. 6538 [CDS], Bungartz, F. 4578 [CDS], Aptroot, A. 65363 [CDS], Bungartz, F. 6743 [CDS], Bungartz, F. 4723 [CDS], Bungartz, F. 4724 [CDS], Bungartz, F. 4027 [CDS], Nugra, F. 399 [CDS], Nugra, F. 96 [CDS], Nugra, F. 1 [CDS], Nugra, F. 159 [CDS], Bungartz, F. 6832 [CDS], Bungartz, F. 6917 [CDS], Bungartz, F. 6926 [CDS], Bungartz, F. 6949 [CDS], Bungartz, F. 6997 [CDS], Bungartz, F. 7121 [CDS], Bungartz, F. 7158 [CDS], Bungartz, F. 7478 [CDS], Bungartz, F. 7525 [CDS], Bungartz, F. 7685 [CDS], Bungartz, F. 7861 [CDS], Nugra, F. 170 B [CDS], Jaramillo, P. 2879 A [CDS], Jaramillo, P. 2880 C [CDS], Jaramillo, P. 2886 C [CDS], Nugra, F. 569 [CDS], Guézou, A. 209 A [CDS], Guézou, A. 204 A [CDS], Truong, C. 1235 [CDS], Truong, C. 1294 [CDS], Truong, C. 1314 [CDS], Truong, C. 1496 [CDS], Clerc, P. 08-15 [CDS], Herrera-Campos, M.A. 10584 [CDS], Herrera-Campos, M.A. 10586 [CDS], Herrera-Campos, M.A. 10619 [CDS], Herrera-Campos, M.A. 10670 [CDS], Herrera-Campos, M.A. 10672 [CDS], Herrera-Campos, M.A. 10739 [CDS], Herrera-Campos, M.A. 10783 [CDS], Herrera-Campos, M.A. 10790 [CDS], Herrera-Campos, M.A. 10818 [CDS], Tehler, A. 8641 [CDS], Tehler, A. 8673 [CDS], Bungartz, F. 8200 [CDS], Bungartz, F. 8446 [CDS], Bungartz, F. 8484 [CDS], Bungartz, F. 8541 [CDS], Bungartz, F. 8570 [CDS], Herrera-Campos, M.A. GAL-422 [CDS], Herrera-Campos, M.A. GAL-435 [CDS], Herrera-Campos, M.A. GAL-453 [CDS], Herrera-Campos, M.A. 10902 [CDS], López, A. 656 [CDS], Hillmann, G. GAL-62 [CDS], Hillmann, G. GAL-118 [CDS], Nugra, F. 868 [CDS], Yánez-Ayabaca, A. 1662 [CDS], Bungartz, F. 8928 [CDS], Bungartz, F. 9048 [CDS], Bungartz, F. 9138 [CDS], Bungartz, F. 9313 [CDS], Bungartz, F. 9383 [CDS], Bungartz, F. 9439 [CDS], Bungartz, F. 9444 [CDS], Bungartz, F. 9744 A [CDS], Bungartz, F. 10010 [CDS], Bungartz, F. 10094 [CDS], Yánez-Ayabaca, A. 1969 [CDS], Bungartz, F. 9851 [CDS], Bungartz, F. 9843 [CDS], Bungartz, F. 9725 B [CDS], Spielmann, A.A. 10431 [CDS], Spielmann, A.A. 10432 [CDS], Spielmann, A.A. 10486 [CDS], Nugra, F. 1007 [CDS], LeDee, O.E. OEL-00-07 [CDS], LeDee, O.E. OEL-00-09 D [CDS], Benítez, A. 434 [HUTPL], J. Etayo 17273 [hb. Etayo], Etayo, J. 19955 [hb. Etayo], J. Etayo 25350 [hb. Etayo], Etayo, J. 25471 [hb. Etayo], Etayo, J. 25490 [hb. Etayo], Etayo, J. 25794 [hb. Etayo], Etayo, J. 25801 [hb. Etayo], Etayo, J. 25889 [hb. Etayo], Etayo, J. 25904 [hb. Etayo], Etayo, J. 26238 [hb. Etayo], J. Etayo 26314 [hb. Etayo], Etayo, J. 26317 [hb. Etayo]

Teloschistes flavicans f. glaber Vain. v

problematic, not clear what this variety is, source: Zahlbruckner (1905)

Teloschistes hypoglaucus (Nyl.) Zahlbr. v

[*Niorma derelicta* A. Massal., *Niorma hypoglauca* (Nyl.) S.Y. Kondr., Kärnefelt, Elix, A. Thell, M.H. Jeong & Hur, *Niorma sennii* (Sambo) C.W. Dodge, *Niorma sennii var. sennii* (Sambo) C.W. Dodge, *Niorma sennii var. subaurea* (Sambo) C.W. Dodge, *Physcia hypoglauca* Nyl., *Teloschistes derelictus* (A. Massal.) Zahlbr., *Teloschistes hypoglaucus f. hypoglaucus* (Nyl.) Zahlbr., *Teloschistes hypoglaucus f. nudus* Hillmann, *Teloschistes sennii* Sambo, *Teloschistes sennii var. sennii* Sambo, *Teloschistes sennii var. subaureus* Sambo]
source: Diels (1937), Cevallos (2012), Chuquimarca et al. (2019); J. Etayo 25341 [hb. Etayo]

Tephromela

Tephromela atra (Hudson) Hafellner v

[*Lecanora atra* (Hudson) Ach., *Lecanora atra var. torulosa* Flörke ex Flot., *Lecidea atroides* Walt. Watson, *Lichen ater* Huds., *Parmelia atra* (Huds.) Ach., *Parmelia subfusca var. atra* (Huds.) Eschw., *Patellaria atra* (Huds.) Wibel, *Psora atra* (Huds) Hampe, *Rinodina atra* (Huds.) Gray, *Scutellaria atra* (Huds.) Baumg., *Tephromela atra var. corticola* (Hepp) Hafellner & Jerzer nom. illegit., *Tephromela atra var. torulosa* (Flot.) Hafellner, *Tephromela torulosa* (Flörke ex Flot.) Motyka nom. inval., *Verrucaria atra* (Huds.) Hoffm.]
parasitized by *Taeniolella atricerebrina*, source: Leighton (1966), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Benítez et al. (2015, 2019), Benítez (2016), Etayo (2017); Benítez, A. 84 [HUTPL], Etayo, J. 26246 [hb. Etayo]

Tephromela muscicola Kalb v

Type Lichenes Neotropici #447 [Kalb, Lich. Neotrop. [Neumarkt]]; non *T. muscicola* (Nyl.) Motyka nom. inval. et illegit. 1996, source: Kalb (1988); Kalb, Klaus ; Kalb, A. 1987-08-16 [CMN], K. Kalb & A. Kalb 447 [UPS], K. Kalb, A. Kalb 1987-08-16 [O], 41875 [TNS]

Tephromela rhizophorae Kalb

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Kalb (2008); Bungartz, F. 7830 [CDS], Bungartz, F. 6451 [CDS], Bungartz, F. 6321 [CDS], Bungartz, F. 3992 [CDS], Bungartz, F. 4349 [CDS], Bungartz, F. 4899 [CDS], Bungartz, F. 4904 [CDS], Bungartz, F. 5975 [CDS], Ertz, D. 11766 [CDS], Aptroot, A. 64959 [CDS], Nugra, F. 119 [CDS], Aptroot, A. 63249 [CDS], Aptroot, A. 63966 [CDS], Nugra, F. 122 [CDS], Spielmann, A.A. 8227 [CDS], Jonitz, H. 42 [CDS], Aptroot, A. 64115 [CDS]

Thalloloma

Thalloloma cinnabarinum (Fée) Staiger

[*Graphis cinnabarina* Fée, *Phaeographis cinnabarina* (Fée) Müll.Arg.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2009); Bungartz, F. 5756 [CDS], Bungartz, F. 3505 [CDS], Aptroot, A. 65599 [CDS], Bungartz, F. 4235 [CDS], Nugra, F. 284 [CDS], Nugra, F. 527 [CDS], Bungartz, F. 7101 [CDS], Truong, C. 1507 [CDS], Clerc, P. 08-301 [CDS], Bungartz, F. 8515 [CDS], Herrera-Campos, M.A. 10919 B [CDS], Bungartz, F. 10026 [CDS], Yánez-Ayabaca, A. 2059 [CDS]

Thamnolia

Thamnolia subuliformis (Ehrh.) W.L. Culb.

[*Cladonia subuliformis* (Ehrh.) Hoffm., *Cladonia vermicularis var. subuliformis* (Ehrh.) Schaer., *Lichen subuliformis* Ehrh., *Thamnolia vermicularis f. subuliformis* (Ehrh.) Harm., *Thamnolia vermicularis subsp. subuliformis* (Ehrh.) Schaer., *Thamnolia vermicularis var. subuliformis* (Ehrh.) Schaer.]
parasitized by *Sphaerellothecium thamnoliae* & *Lichenopeltella thamnoliae*, source: Etayo (2017), van den Boom et al. (2022)

Thamnolia vermicularis (Sw.) Ach. ex Schaer.

[*Baeomyces vermicularis* (Sw.) Ach., *Cenomyce vermicularis* (Sw.) Röhl., *Cenomyce vermicularis var. vermicularis* (Sw.) Ach., *Cladonia amaurocraea var. vermicularis* (Sw.) Flot., *Cladonia gracilis var. vermicularis* (Sw.) Mitt., *Cladonia uncialis var. vermicularis* (Sw.) Link, *Cladonia vermicularis* (Sw.) DC., *Lichen vermicularis* Sw., *Patellaria fusca var. vermicularis* (Sw.) Wallr., *Patellaria turbinata f. leucitica* Wallr., *Pycnothelia vermicularis* (Sw.) Dufour, *Stereocaulon vermiculare* (Sw.) Raeusch., *Thamnolia subvermicularis* Asah., *Thamnolia subvermicularis f. subvermicularis* Asahina, *Thamnolia subvermicularis var. subvermicularis* Asahina, *Thamnolia vermicularis var. vermicularis* (Sw.) Schaer.]
source: Müller (1891), Zahlbruckner (1905), Zahlbruckner (1907), Sklenář et al. (2010), González et al. (2017a, b); B. Øllgaard 9652 [NY], R. C. Harris 17776 [NY], J. L. Luteyn 8862 [NY], Harriet G. Barclay 9222 [WIS], Harriet G. Barclay 9222 [WIS], R. Rosentreter 13,344 [SRP], Nugra, F. 446 [CDS], Etayo, J. 17313 [hb. Etayo], Etayo, J. 20046 [hb. Etayo], Etayo, J. 25853 [hb. Etayo]

Thelenella

Thelenella fugiens (Müll. Arg.) R.C. Harris

[*Aspidothelium fugiens* (Müll.Arg.) R. Sant., *Lecania fugiens* Müll.Arg.]
source: Weber (1986), Elix & McCarthy (1998), Lücking (1999, 2008), van den Boom et al. (2022); R. Lücking 96-332 [WIS], R. Lücking 96-332 [F], Bungartz, F. 7088 A [CDS], Anna Koffman 96-595 [INABIOEC-MECN-QCNE], Robert Lücking 96-884 [INABIOEC-MECN-QCNE], Robert Lücking 96-493 [INABIOEC-MECN-QCNE]

Thelenella inductula (Nyl. ex Hasse) H. Mayrh.

[*Microglaena inductula* (Nyl.) Servít, *Polyblastia inductula* (Nyl.) Zahlbr., *Polyblastiopsis inductula* (Nyl.) Fink, *Verrucaria inductula* Nyl.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 64805 [CDS], Aptroot, A. 64896 [CDS], Aptroot, A. 64895 [CDS]

Thelenella muscorum (Fries) Vain.

[*Chromatochlamys muscorum* (Fr.) H. Mayrh. & Poelt, *Chromatochlamys muscorum var. muscorum*, *Chromatochlamys muscorum var. octospora* (Nyl.) H. Mayrh. & Poelt, *Microglaena holliana* A.L. Sm., *Microglaena muscorum* (Fr.) Th. Fr., *Microglaena muscorum f. muscorum* (Fr.) Th. Fr., *Microglaena muscorum f. octospora* (Nyl.) Zahlbr., *Microglaena muscorum var. muscorum* (Fr.) Th. Fr., *Microglaena muscorum var. octospora* (Nyl.) Cretz., *Thelenella muscorum var. muscorum* (Fries) Vain., *Thelenella muscorum var. octospora* (Nyl.) Coppins & Fryday, *Verrucaria muscicola var. octospora* Nyl., *Verrucaria muscorum* Th. Fr. nom. illegit, *Verrucaria muscorum* Frege nom. illegit., *Weitenwebera muscorum* (Th. Fr.) Körb.]
* = lichenicolous fungi (parasites on living lichens); on *Dyctionema glabratum*, source: Etayo (2017); Aptroot, A. 64832 [CDS], J. Etayo 25568 [hb. Etayo]

Thelenella sastreana R.C. Harris

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 3420 [CDS], Bungartz, F. 4609 [CDS], Bungartz, F. 4644 [CDS]

Thelopsis

Thelopsis isiaca Stizenb.

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 63278 A [CDS]

Thelopsis rubella Nyl.

[*Sagedia rubella* (A. Massal.) Anzi, *Verrucaria rubella* (Nyl.) Leight. nom. illegit.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Aptroot, A. 64338 [CDS]

Thelotrema

Thelotrema hawaiiense (Hale) Hale

source: Benítez et al. (2015; as *Thelotrema* aff. *hawaiiense* & *Thelotrema hawaiiense*); Benítez, A. 436 [HUTPL], Benítez, A. 437 [HUTPL]

Thelotrema lacteum Krempelh.

[*Ocellularia annulosa* Müll.Arg., *Ocellularia cricota* F. Wilson, *Ocellularia zeorina* Müll.Arg., *Phaeotrema consimile* Müll.Arg., *Phaeotrema cricotum* (F. Wilson) Müll. Arg., *Phaeotrema lacteum* (Kremp.) Müll. Arg., *Thelotrema consimile* (Müll. Arg.) Shirley]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Dal-Forno, M. 1165 [CDS], Bungartz, F. 9277 [CDS], Bungartz, F. 9492 [CDS], Bungartz, F. 9625 [CDS], Bungartz, F. 9632 [CDS], Bungartz, F. 10166 [CDS]

Thelotrema lepadinum (Ach.) Ach.

[*Antrocarpum inclusum* (Sowerby) Spreng., *Antrocarpum lepadinum* (Ach.) Trevis., *Endocarpon lepadinum* (Ach.) Wahlenb., *Endocarpon lepadinum var. lepadinum* (Ach.) Wahlenb., *Endocarpon lepadinum var. scutelliforme* (Ach.) Wahlenb., *Lichen inclusus* Sowerby, *Lichen lepadinus* Ach., *Lichen opegraphus var. scutelliforme* (Ach.) Lam., *Parmelia lepadina* (Ach.) Hornem., *Pertusaria lepadina* (Ach.) Hornem., *Thelotrema inclusum* (Sowerby) Funck, *Thelotrema lepadinum f. rupestre* (Turner) Cromb., *Thelotrema lepadinum var. inclusum* (Sowerby) Ach., *Thelotrema lepadinum var. lepadinum* (Ach.) Ach., *Thelotrema lepadinum var. rupestre* Turner, *Thelotrema lepadinum var. scutelliforme* Ach., *Thelotrema obconicum* Räsänen, *Thelotrematomyces lepadini* E.A. Thomas ex Cif. & Tomas., *Urceolaria lepadina* (Ach.) Tuck. ex Curtis, *Volvaria lepadina* (Ach.) A. Massal.]
source: Fernández-Prado et al. (2022)

Thelotrema macrosporum P.M. Jørg. & P. James

source: Fernández-Prado et al. (2022)

Thelotrema monospermum R.C. Harris

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 6890 [CDS], Bungartz, F. 9300 [CDS], Hillmann, G. GAL-15 [CDS]

Thelotrema porinoides Mont. & v. d. Bosch

[*Brassia porinoides* (Mont. & Bosch) A. Massal. nom. inval., *Ocellularia floridensis* Fink ex J. Hedrick, *Ocellularia porinoides* (Ach.) Spreng.]
source: Fernández-Prado et al. (2022)

Trapelia

Trapelia coarctata (Sm.) Choisy

[*Biatora arridens* (Nyl.) Walt. Watson, *Biatora coarctata* (Turner ex Sm.) Th. Fr., *Biatora coarctata f. albomarginata* (Hazsl.) Oxner, *Biatora coarctata f. coarctata* (Turner ex Sm.) Th. Fr., *Biatora coarctata f. terrestris* Flot., *Biatora coarctata subsp. coarctata* (Turner ex Sm.) Th. Fr., *Biatora coarctata var. biatoriza* (Vain.) Räsänen, *Biatora coarctata var. coarctata* (Turner ex Sm.) Th. Fr., *Biatora coarctata var. petractis* Norman, *Biatora coarctata var. trapelia* (Ach.) Räsänen, *Biatora coarctata var. valamoënsis* (Vain.) Räsänen, *Gasparrinia coarctata* (Turner) Tornab., *Lecanactis arridens* Nyl., *Lecanora coarctata* (Turner) Ach., *Lecanora coarctata f. albomarginata* (Hazsl.) Zahlbr., *Lecanora coarctata f. coarctata* (Turner) Ach., *Lecanora coarctata f. cotaria* Ach., *Lecanora coarctata f. fulgiana* Zahlbr., *Lecanora coarctata f. ochrinactella* (Vain.) Zahlbr., *Lecanora coarctata f. sorediosa* (B. de Lesd.) Zahlbr., *Lecanora coarctata f. subfumigata* (Nyl.) Zahlbr., *Lecanora coarctata subsp. angelica* Parrique, *Lecanora coarctata subsp. coarctata* (Turner) Ach., *Lecanora coarctata var. argilliseda* Dufour ex Schaer., *Lecanora coarctata var. biatoriza* (Vain.) Zahlbr., *Lecanora coarctata var. coarctata* (Turner) Ach., *Lecanora coarctata var. exposita* (Nyl.) Nyl., *Lecanora coarctata var. expositella* (Vain.) Zahlbr., *Lecanora coarctata var. fossulans* Stizenb., *Lecanora coarctata var. listrata* Ach., *Lecanora coarctata var. prominula* Schaer., *Lecanora coarctata var. trapelia* (Ach.) Zahlbr., *Lecidea arridens* Nyl., *Lecidea*

coarctata (Smith) Nyl., *Lecidea coarctata f. albomarginata* (Hazsl.) Szatala, *Lecidea coarctata f. coarctata* (Turner) Nyl., *Lecidea coarctata f. deliciosula* Th. Fr., *Lecidea coarctata f. depauperata* Leight., *Lecidea coarctata f. fulgiana* (Chevall.) Zahlbr., *Lecidea coarctata f. prominula* (Schaer.) Szatala, *Lecidea coarctata f. sorediosa* B. de Lesd., *Lecidea coarctata f. subfumigata* Nyl. ex Zwackh, *Lecidea coarctata f. terrula* Hulting, *Lecidea coarctata subsp. coarctata* (Turner) Nyl., *Lecidea coarctata subsp. dioritica* Vain., *Lecidea coarctata var. argilliseda* (Dufour ex Schaer.) Arnold, *Lecidea coarctata var. biatoriza* Vain., *Lecidea coarctata var. coarctata* (Turner) Nyl., *Lecidea coarctata var. dioritica* (Vain.) Vain., *Lecidea coarctata var. exposita* Nyl., *Lecidea coarctata var. expositella* Vain., *Lecidea coarctata var. lutosa* Zahlbr., *Lecidea coarctata var. ochrinactella* Vain., *Lecidea coarctata var. trapelia* (Ach.) Vain., *Lecidea fulgiana* Chevall., *Lichen coarctatus* Turner, *Parmelia coarctata* (Turner) Ach., *Parmelia coarctata var. coarctata* (Turner) Ach., *Patellaria coarctata* (Turner) Wallr., *Rinodina coarctata* (Turner) Gray, *Zeora coarctata* (Turner ex Sm.) Flot., *Zeora coarctata f. albomarginata* Hazsl., *Zeora coarctata f. coarctata* (Turner ex Sm.) Flot., *Zeora coarctata var. coarctata* (Turner ex Sm.) Flot., *Zeora coarctata var. variolosa* Flot.]

source: Nöske & Sipman (2004), Nöske et al. (2007); Aptroot, A. 63383 [CDS], Bungartz, F. 3466 [CDS], Bungartz, F. 4101 [CDS], Bungartz, F. 4878 [CDS], Bungartz, F. 4138 [CDS], Bungartz, F. 4141 [CDS], Aptroot, A. 65499 [CDS], Bungartz, F. 4847 [CDS], Bungartz, F. 10538 [CDS], Bungartz, F. 10950 [CDS]

Trapelia glebulosa (Sm.) J. R. Laundon

[*Biatora coarctata f. glebulosa* (Sm.) Arnold, Flora, Regensburg 67: 549 (1884), *Biatora coarctata var. glebulosa* (Sm.) Arnold, *Lecidea coarctata f. glebulosa* (Sm.) Leight., *Lecidea coarctata var. glebulosa* (Sm.) Mudd, *Lecidea glebulosa* (Sm.) Jatta, *Lecidea granulosa f. glebulosa* (Sm.) Sandst., *Lecidea gregaria* G. Merr., *Lecidea pholidiota* Ach., Syn. meth. lich. (Lund): 53 (1814), *Lepidoma glebulosum* (Sm.) Gray, *Lichen glebulosus* Sm., *Patellaria glebulosa* (Sm.) Spreng., *Psora glebulosa* (Sm.) Hook.]

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 4194 [CDS], Aptroot, A. 65263 A [CDS], Aptroot, A. 65498 [CDS], Aptroot, A. 65294 [CDS]

Trapeliopsis

Trapeliopsis flexuosa (Fr.) Coppins & P. James

[*Biatora decolorans var. flexuosa* (Fr.) Fr., *Biatora flexuosa* Fr., *Biatora granulosa var. flexuosa* (Fr.) Flot., *Lecidea aeruginosa* Borr., *Lecidea decolorans subsp. flexuosa* (Fr.) Cromb., *Lecidea decolorans var. flexuosa* (Fr.) Link, *Lecidea flexuosa* (Fr.) Nyl., *Lecidea flexuosa f. aeruginosa* (Borrer) Leight., *Lecidea flexuosa f. flexuosa* Fr., *Lecidea flexuosa var. aeruginosa* (Borrer) Mudd, *Lecidea flexuosa var. flexuosa* Fr., *Lecidea granulosa subsp. flexuosa* (Fr.) Th. Fr., *Lecidea granulosa var. flexuosa* (Fr.) Schaer., *Lecidea sapinea f. aeruginosa* (Borrer) Zahlbr., *Lecidea sporadiza* Stirt., *Lecidea wallrothii subsp. flexuosa* (Fr.) Lamy, *Trapelia flexuosa* (Fr.) Neuwirth & Türk nom. inval.]

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 6810 [CDS], Aptroot, A. 65092 [CDS], Aptroot, A. 65101 [CDS], Aptroot, A. 64836 [CDS], Aptroot, A. 64837 [CDS]

Trapeliopsis glaucolepidea (Nyl.) Gotth. Schneid. v

[*Lecidea glaucolepidea* Nyl., *Psora glaucolepidea* (Nyl.) Mudd]

parasitized by *Merismatium decolorans*, source: González et al. (2019), Palice & Printzen (2004), Etayo (2017)

Trapeliopsis glaucopholis (Nyl. Ex Hasse) Printzen & McCune

[*Lecidea admiscens* Nyl., *Lecidea glaucopholis* Nyl.]

preliminary identification, F. Bungartz: material needs verification; Aptroot, A. 63213 [CDS]

Trapeliopsis granulosa (Hoffm.) Lumbsch v

[*Biatora decolorans* (Hoffm.) Fr., *Biatora decolorans var. decolorans* (Hoffm.) Fr., *Biatora granulosa* (Hoffm.) Flot., *Biatora granulosa f. granulosa* (Ehrh.) Flot., *Biatora granulosa var. granulosa* (Ehrh.) Flot., *Biatora viridescens var. sapinea* Fr., *Helocarpon granulosum* (Hoffm.) M. Choisy, *Helocarpon granulosum f. granulosum* (Ehrh.) M. Choisy, *Helocarpon sapineum* (Fr.) M. Choisy, *Lecanora granulosa* (Hoffm.) Ach., *Lecanora granulosa var. granulosa* (Ehrh.) Ach., *Lecidea decolorans* (Hoffm.) Flörke, *Lecidea decolorans f. fusconigra* Nyl., *Lecidea decolorans subsp. decolorans* (Hoffm.) Flörke, *Lecidea decolorans var. decolorans* (Hoffm.) Flörke, *Lecidea decolorans var. quadricolor* (Dicks.) Branth & Rostr., *Lecidea granulosa* (Hoffm.) Ach., *Lecidea granulosa f. aporetica* Ach., *Lecidea granulosa f. fusconigra* (Nyl.) Th. Fr., *Lecidea granulosa f. glomerata* Erichsen, *Lecidea granulosa f. granulosa* (Ehrh.) Ach., *Lecidea granulosa f. hilaris* (Nyl.) Blomb. & Forssell, *Lecidea granulosa subsp. granulosa* (Ehrh.) Ach., *Lecidea granulosa var. granulosa* (Ehrh.) Ach., *Lecidea quadricolor* (Dicks.) Borrer, *Lecidea sapinea* (Fr.) Zahlbr., *Lecidea sapinea f. sapinea* (Fr.) Zahlbr., *Lecidea sapinea var. sapinea* (Fr.) Zahlbr., *Lichen quadricolor* Dicks., *Patellaria decolorans* Hoffm., *Trapelia granulosa* (Hoffm.) V. Wirth, *Verrucaria decolorans* (Hoffm.) Hoffm., *Verrucaria granulosa* Hoffm.]

source: Weber (1986), Elix & McCarthy (1998), González et al. (2019), Nöske et al. (2007), Nöske & Sipman (2004), van den Boom et al. (2022); Bungartz, F. 8188 [CDS], Etayo, J. 20126 [hb. Etayo], Etayo, J. 27029 [hb. Etayo]

Trapeliopsis haumanii (Zahlbr.) Gotth. Schneid. v

[*Lecidea haumanii* Zahlbr., *Psora haumanii* (Zahlbr.) C.W. Dodge]

parasitized by *Merismatium decolorans*, source: Etayo (2017)

Trapeliopsis steppica McCune & Camacho

preliminary identification, F. Bungartz: material needs verification; Aptroot, A. 63166 [CDS], Aptroot, A. 64644 [CDS]

Tremella

Tremella aptrootii Diederich & Common v

* = lichenicolous fungi (parasites on living lichens); on *Astrothelium*, source: Diederich et al. (2022)

Tremella cladoniae Diederich & M. S. Christ. v

* = lichenicolous fungi (parasites on living lichens); on *Cladonia* sp., source: Etayo (2017, 2020), Diederich et al. (2022); Etayo, J. 25913 [hb. Etayo]

Tremella coccocarpiae Diederich v

* = lichenicolous fungi (parasites on living lichens); on *Coccocarpia* sp., source: Etayo (2017), Diederich et al. (2022); Etayo, J. 20140 [hb. Etayo]

Tremella conidioparmotrema Diederich, Etayo & Millanes v

* = lichenicolous fungi (parasites on living lichens); on *Parmotrema*, Holotype BR, Etayo 19911, source: Diederich et al. (2022)

Tremella harrisii Diederich v

* = lichenicolous fungi (parasites on living lichens); on *Trypethelium nitidiusculum*, source: Etayo (2017); Etayo, J. 19992 [hb. Etayo]

Tremella herpothalli Diederich, Flakus, Rodr. Flakus, Etayo & Palice v

* = lichenicolous fungi (parasites on living lichens); on *Herpothallon*, source: Diederich et al. (2022)

Tremella leptogii Diederich v

* = lichenicolous fungi (parasites on living lichens); on *Leptogium burguesii, L. phyllocarpum, L. vesiculosum* and other *Leptogium* species, source: Etayo (2017), Diederich et al. (2022); Etayo, J. 20122 [hb. Etayo], Etayo, J. 20139 [hb. Etayo], J. Etayo 20177 [hb. Etayo], Etayo, J. 23448 [hb. Etayo], Etayo, J. 25629 [hb. Etayo], J. Etayo 26314 [hb. Etayo]

Tremella leucodermiae Diederich, Etayo, Flakus & Millanes v

* = lichenicolous fungi (parasites on living lichens); on *Leucodermia*, source: Diederich et al. (2022); J. Etayo 17260 [hb. Etayo]

Tremella lobariacearum Diederich & M.S. Christ. v

* = lichenicolous fungi (parasites on living lichens); on *Lobariella crenulata*, *L. pallida*, *L. subexornata*, *Pseudocyphellarias arvidsonii, Yoshimuriella peltigerae*, and *Y. subdissecta*, source: Diederich (1996), Etayo (2017); Etayo, J. 20124 [hb. Etayo], Etayo, J. 20135 [hb. Etayo], Etayo, J. 20136 [hb. Etayo], J. Etayo 20172 [hb. Etayo], Etayo, J. 25426 [hb. Etayo], Etayo, J. 25462 [hb. Etayo], Etayo, J. 25608 [hb. Etayo], Etayo, J. 25609 [hb. Etayo], Etayo, J. 25759 [hb. Etayo]

Tremella parmeliarum Diederich v

* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna* sp., *Parmotrema reticulatum*, and *Punctelia* sp., source: Etayo (2017), Diederich et al. (2022); Etayo, J. 25475 [hb. Etayo], Etayo, J. 25508 [hb. Etayo], Etayo, J. 25514 [hb. Etayo], J. Etayo 25548 [hb. Etayo], Etayo, J.

25875 [hb. Etayo], J. Etayo 26671 [hb. Etayo]

Tremella phaeophysciae Diederich & M. S. Christ.

* = lichenicolous fungi (parasites on living lichens); on *Phaeophyscia* sp., source: Etayo (2017), Diederich et al. (2022); J. Etayo 25340 [hb. Etayo], Etayo, J. 25469 [hb. Etayo]

Tremella stictae Diederich

* = lichenicolous fungi (parasites on living lichens); on *Sticta weigelii* & *S. fuliginosa* , source: Etayo (2017), Diederich et al. (2022); J. Etayo 17261 [hb. Etayo], Etayo, J. 19966 [hb. Etayo], Etayo, J. 20101 [hb. Etayo], Etayo, J. 25613 [hb. Etayo], Etayo, J. 25679 [hb. Etayo], Etayo, J. 25819 [hb. Etayo], Etayo, J. 25820 [hb. Etayo]

Tremella tuckerae Diederich

* = lichenicolous fungi (parasites on living lichens); on *Ramalina celastri* & *Ramalina* sp., source: Etayo (2017), Diederich et al. (2022); Etayo, J. 20094 [hb. Etayo], J. Etayo 25558 [hb. Etayo]

Tricharia

Tricharia amazonum Vain.

source: Lücking (1999, 2008)

Tricharia carnea (Müll.Arg.) R. Sant.

[*Lopadium carneum* Müll.Arg.]
source: Lücking (1999, 2008), Fernández-Prado et al. (2022)

Tricharia farinosa R. Sant.

source: Lücking (1999, 2008), van den Boom et al. (2022)

Tricharia hyalina Kalb & Vězda

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 7081 A [CDS]

Tricharia lancicarpa Kalb & Vězda

source: Lücking (1999, 2008)

Tricharia longispora Kalb & Vězda

source: Lücking (1999, 2008), van den Boom et al. (2022)

Tricharia pseudosantessonii Lücking

source: Lücking (1999, 2008); R. Lücking 96-1079 [WIS]

Tricharia similis Vězda

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 8622 A [CDS], Bungartz, F. 7081 B [CDS]

Tricharia urceolata (Müll.Arg.) R. Sant.

[*Lopadium urceolatum* Müll.Arg.]
source: Lücking (1999, 2008), Lücking & Matzer (2001); Bungartz, F. 7081 C [CDS], Erik Asplund 194 c [S], Erik Asplund 194 c [S]

Tricharia vainioi R. Sant.

source: Lücking (1999, 2008), Lücking & Matzer (2001), van den Boom et al. (2022); Bungartz, F. 5007 A [CDS], Bungartz, F. 7086 A [CDS], Bungartz, F. 8278 D [CDS], Bungartz, F. 8280 B [CDS], Bungartz, F. 8617 B [CDS], Herrera-Campos, M.A. 10655 C [CDS], Herrera-Campos, M.A. 10657 C [CDS], Bungartz, F. 8289 B [CDS], Bungartz, F. 8287 B [CDS], Bungartz, F. 8276 D [CDS], Bungartz, F. 7322 C [CDS], Bungartz, F. 7097 C [CDS], Bungartz, F. 8765 C [CDS], Aptroot, A. 63327 [CDS], Aptroot, A. 64273 A [CDS], Bungartz, F. 10055 D [CDS], Ertz, D. 11548 C [CDS], Bungartz, F. 9659 C [CDS], Bungartz, F. 9666 B [CDS], Bungartz, F. 9663 H [CDS]

Trichonectria

Trichonectria apiculata Etayo

* = lichenicolous fungi (parasites on living lichens); on *Usnea* sp., Holotype QCA, Etayo 19933, source: Etayo (2017); J. Etayo 17267 [hb. Etayo], Etayo, J. 19933 [hb. Etayo], Etayo, J. 25713 [hb. Etayo], Etayo, J. & Palice, Z. 19933 [QCAM]

Trichonectria australis Etayo

* = lichenicolous fungi (parasites on living lichens); on *Usnea* sp., source: Etayo (2017); Etayo, J. 19956 [hb. Etayo], Etayo, J. 20036 [hb. Etayo], J. Etayo 25331 [hb. Etayo], Etayo, J. 25500 [hb. Etayo], Etayo, J. 25510 [hb. Etayo], Etayo, J. 25621 [hb. Etayo], Etayo, J. 26346 [hb. Etayo], J. Etayo 25336 [hb. Etayo]

Trichonectria intermedia Etayo

* = lichenicolous fungi (parasites on living lichens); on *Parmotrema* sp. & *Everniastrum* sp., Holotype QCA, Etayo 20108, source: Etayo (2017); Etayo, J. 20108 [hb. Etayo], Etayo, J. 25612 [hb. Etayo]

Trichonectria leptogiicola Etayo

* = lichenicolous fungi (parasites on living lichens); on *Leptogium* sp. & *Leptogium phyllocarpum*, Holotype QCA, Etayo 17236, source: Etayo (2001); J. Etayo 17236 [hb. Etayo], J. Etayo 26659 [hb. Etayo]

Trichonectria setadpressa Etayo

* = lichenicolous fungi (parasites on living lichens); on *Lobariella subexornata* and *L. pallida*, source: Etayo (2017); Etayo, J. 19986 [hb. Etayo], Etayo, J. 25651 [hb. Etayo]

Trichonectria usneicola Etayo

* = lichenicolous fungi (parasites on living lichens); on *Usnea* sp., source: Etayo (2017); Etayo, J. 25476 [hb. Etayo]

Trichothelium

Trichothelium akeassii U. Becker & Lücking

[*Trichothelium epiphyllum* Müll.Arg., *Trichothelium epiphyllum var. epiphyllum* Müll.Arg.]
for *T. epiphyllum* "*ulei*" or "*montanum*" sensu Lücking (1999) see *T. montanum* and *T. ulei*, source: Lücking (1999, 2008), Lücking & Matzer (2001), van den Boom (2022); Bungartz, F. 7312 A [CDS], Ertz, D. 11725 [CDS]

Trichothelium amazonense Bat., J.L. Bezerra & Cavalc.

Etayo, J. 19958 [hb. Etayo]

Trichothelium annulatum (P. Karst.) R. Sant.

[*Lasiosphaeria annulata* P. Karst., Hedwigia 28: 193 (1889)]
source: Lücking (1999, 2008), Lücking & Matzer (2001); R. Lücking s.n. [WIS], Robert Lücking 96-864 [INABIOEC-MECN-QCNE], Robert Lücking 96-628 [INABIOEC-MECN-QCNE]

Trichothelium argenteum Lücking & L.I. Ferraro

source: Lücking & Ferraro (1997), Lücking (1999, 2008), van den Boom et al. (2022); Robert Lücking 96-411 [INABIOEC-MECN-QCNE]

Trichothelium asplundii R. Sant.

source: Lücking (1998, 2008)

Trichothelium bipindense F. Schill.

source: Lücking (1999, 2008); Robert Lücking 96-172 [INABIOEC-MECN-QCNE], Robert Lücking 96-649 [INABIOEC-MECN-QCNE], Robert Lücking 96-167 [INABIOEC-MECN-QCNE]

Trichothelium caudatum Lücking

source: Flakus et al. (2013), Nöske et al. (2007)

Trichothelium horridulum (Müll.Arg.) R. Sant.

source: Benítez et al. (2015), Benítez (2016); Benítez, A. 441 [HUTPL], Benítez, A. 442 [HUTPL]

Trichothelium javanicum (F. Schill.) Vězda

[*Trichothelium alboatrum var. javanicum* F. Schill.]
problematic, only in Cevallos (2012), most likely erroneous, according to Lücking (2008) not a neotropical species, but from East Asia and Australia, source: Cevallos (2012; erroneously reported, not cited in Lücking 1999)

Trichothelium juruense (Henn.) F. Schill.

[*Actiniopsis juruensis* Henn.]
source: Lücking (1999, 2008)

Trichothelium kalbii Lücking

Holotype Kalb, Kalb & Kalb 18442, source: Lücking & Cáceres (2004)

Trichothelium longisetum P.M. McCarthy & Palice

Holotype PRM, Palice 2823, source: McCarthy & Palice (2003), Lücking & Cáceres (2004)

Trichothelium longisporum Lücking

source: van den Boom et al. (2022)

Trichothelium minus Vain.

source: Lücking (1999, 2008)

Trichothelium minutum (Lücking) Lücking

[*Trichothelium epiphyllum var. minutum* Lücking]
source: Lücking (1999, 2008)

Trichothelium mirum Lücking

source: Lücking (1999, 2008), Lücking & Matzer (2001)

Trichothelium montanum Lücking

[*Trichothelium montanum f. latisporum* Lücking, *Trichothelium montanum f. montanum* Lücking]
in Lücking (1999) cited as *T. epiphyllum* "*montanum*" form sensu Lücking (1998), source: Lücking (1999, 2008); Ertz, D. 11549 [CDS]

Trichothelium pallescens (Müll. Arg.) F. Schill.

[*Trichothelium epiphyllum var. pallescens* Müll.Arg.]
source: Lücking (1999, 2008), Lücking & Matzer (2001), van den Boom et al. (2022)

Trichothelium pallidisetum Lücking

source: Lücking (1999, 2008), van den Boom et al. (2022)

Trichothelium porinoides Vězda

source: Lücking (1999, 2008), van den Boom et al. (2022)

Trichothelium sipmanii Lücking

source: Lücking (1999), Lücking & Matzer (2001)

Trichothelium sipmanii f. multiseptatum Lücking

source: Lücking (2008)

Trichothelium sipmanii f. sipmanii Lücking

source: Lücking (2008)

Trichothelium ulei F. Schill.

in Lücking (1999) cited as *T. epiphyllum* "*ulei*" form sensu Lücking (1998), source: Lücking (1999, 2008)

Triposporium

Triposporium elegans Corda

[*Trichosporum elegans* (Corda) Boud.]
* = lichenicolous fungi (parasites on living lichens); on *Parmotrema* sp., source: Etayo (2017; as *Triposporium* cf. *elegans*); Etayo, J. 25840 [hb. Etayo]

Trypethelium

Trypethelium eluteriae Sprengel

[*Astrothelium varium* Eschw., *Astrothelium varium var. citrinum* Eschw., *Astrothelium varium var. varium* Eschw., *Holstiella usambarensis* Henn., *Massarina usambarensis* (Henn.) Höhn., *Pseudopyrenula eluteriae* (Spreng.) Vain., *Pseudopyrenula eluteriae subsp. eluteriae* (Spreng.) Vain., *Pseudopyrenula eluteriae subsp. subsulphurea* Vain., *Pseudopyrenula eluteriae var. anacardii* (Fée) Vain., *Pseudopyrenula eluteriae var. eluteriae* (Spreng.) Vain., *Pseudopyrenula eluteriae var. sprengelii* (Ach.) Vain., *Trypethelium anacardii* Fée, *Trypethelium areolatum* Mont., *Trypethelium assimile* Stirt., *Trypethelium crocosarca* Berk. & Broome, *Trypethelium eluteriae var. anacardii* (Fée) Zahlbr., *Trypethelium eluteriae var. citrinum* (Eschw.) Müll.Arg., *Trypethelium eluteriae var. endochlorum* Müll. Arg., Flora, Regensburg 68: 255 (1885), *Trypethelium eluteriae var. expallidum* Müll. Arg., *Trypethelium eluteriae var. nigricans* (Fée) Trevis., *Trypethelium eluteriae var. sprengelii* (Ach.) Zahlbr., *Trypethelium eluteriae var. subsulphureum* (Vain.) Riddle, *Trypethelium eluteriae var. truncatum* Müll.Arg., *Trypethelium insigne* Müll.Arg., *Trypethelium leprosulum* Zahlbr., *Trypethelium luteum* Taylor, *Trypethelium medians* Harm., *Trypethelium montagnei* Trevis., *Trypethelium perrotetii* Fée, *Trypethelium pringlei* Eckfeldt, *Trypethelium scitulens* Eckfeldt, *Trypethelium sprengelii* Ach., *Trypethelium sprengelii var. anacardii* (Fée) Nyl., *Trypethelium sprengelii var. nigricans* Fée, *Trypethelium sprengelii var. sprengelii* Ach., *Trypethelium subsulphureum* (Vain.) Zahlbr., *Verrucaria trypetheliiformis* Mont.]
source: Weber (1986), Elix & McCarthy (1998), Benítez (2016), Benítez et al. (2019), Fernández-Prado et al. (2022); Bungartz, F. 5709 [CDS], Bungartz, F. 3361 [CDS], Bungartz, F. 5064 [CDS], Bungartz, F. 3355 [CDS], Bungartz, F. 5041 [CDS], Bungartz, F. 6513 [CDS], Aptroot, A. 64783 [CDS], Aptroot, A. 63107 [CDS], Aptroot, A. 63117 [CDS], Benítez, A. 85 [HUTPL]

Trypethelium subeluteriae Makhija & Patwardhan

[*Trypethelium ceylonicum* Makhija & Patw., *Trypethelium eluteriae var. polystomum* Malme]
source: Fernández-Prado et al. (2022)

Tylophoron

Tylophoron crassiusculum Tibell

source: Tibell (1996), van den Boom et al. (2022)

Tylophoron galapagoense Bungartz, Ertz, Diederich & Tibell

endemic to Galapagos, Holotype: Ertz 11794 [CDS 37153], source: Ertz et al. (2011); Aptroot, A. 64547 [CDS], Aptroot, A. 65477 [CDS], Aptroot, A. 65749 [CDS], Aptroot, A. 65760 [CDS], Ertz, D. 11576 [CDS], Ertz, D. 11581 [CDS], Ertz, D. 11590 [CDS], Ertz, D. 11794 [CDS], Bungartz, F.

7113 [CDS], Bungartz, F. 7432 [CDS], Nugra, F. 564 [CDS], Clerc, P. 08-270 B [CDS], Clerc, P. 08-271 [CDS], Bungartz, F. 8114 [CDS], Bungartz, F. 8449 [CDS], Bungartz, F. 8749 [CDS], Bungartz, F. 8750 [CDS], Aptroot, A. 65709 [CDS], Aptroot, A. 64030 [CDS], Aptroot, A. 65649 [CDS], Aptroot, A. 64943 [CDS], Bungartz, F. 9994 [CDS]

Tylophoron hibernicum (D. Hawksw., Coppins & P. James) Ertz, Diederich, Bungartz & Tibell

[*Blarneya hibernica* D. Hawksw., Coppins & P. James]
* = lichenicolous fungi (parasites on living lichens); host not indicated, source: Ertz et al. (2011), Etayo (2017); Ertz, D. 11546 [CDS], Bungartz, F. 8638 [CDS], Bungartz, F. 3571 [CDS], Bungartz, F. 3703 [CDS], Bungartz, F. 3931 [CDS], Aptroot, A. 63329 [CDS], Aptroot, A. 64494 [CDS], Bungartz, F. 9381 [CDS], Yánez-Ayabaca, A. 1867 [CDS], Aptroot, A. 65442 [CDS], Bungartz, F. 3991 [CDS]

Tylophoron moderatum Nyl.

[*Ditylis moderata* (Nyl.) Clem.]
source: Tibell (1996), van den Boom et al. (2022); Bungartz, F. 6772 [CDS], Aptroot, A. 64288 [CDS], Aptroot, A. 64314 [CDS], Bungartz, F. 6908 [CDS], Bungartz, F. 6909 [CDS], Herrera-Campos, M.A. 10637 [CDS], Rivas Plata, E. 4035 [CDS], Miranda, R. 958 [CDS]

Umbilicaria

Umbilicaria africana (Jatta) Krog & Swinscow

[*Omphalodiscus africanus* (Jatta) Llano, *Umbilicaria haplocarpa var. africana* Jatta]
source: Hestmark (2016), Sklenář et al. (2010; as *U.* cf. *africana*); G. Hestmark 94014 [O], G. Hestmark 94016 [O], G. Hestmark 94020 [O], G. Hestmark 94115 [O], G. Hestmark 94085 [O], G. Hestmark 94012 [O], G. Hestmark 94017 [O], G. Hestmark 94019 [O], G. Hestmark 94021 [O], G. Hestmark 94011 [O], G. Hestmark 94117 [O], G. Hestmark 94002 [O], G. Hestmark 94015 [O], G. Hestmark 94027 [O], G. Hestmark 94013 [O], G. Hestmark 94010 [O], G. Hestmark 94114 [O], G. Hestmark 94028 [O], G. Hestmark 94018 [O]

Umbilicaria aprina Nyl.

[*Gyrophora aprina* (Nyl.) Nyl., *Gyrophora canescens* Dombr., *Umbilicaria canescens* (Dombr.) Dombr.]
source: Hestmark (2016); G. Hestmark 94003 [O], G. Hestmark 94023 [O], G. Hestmark 94025 [O], G. Hestmark 94103 [O], G. Hestmark 94109 [O], G. Hestmark 94100 [O], G. Hestmark 94106 [O], G. Hestmark 94112 [O], G. Hestmark 94022 [O], G. Hestmark 94024 [O], G. Hestmark 94107 [O], G. Hestmark 94104 [O], G. Hestmark 94026 [O], G. Hestmark 94105 [O]

Umbilicaria aprina var. andina Hestmark

Holotype O, Hestmark 94101, source: Hestmark (2016)

Umbilicaria calvescens Nyl.

[*Gyrophora calvescens* (Nyl.) Nyl.]
problematic; only cited in Cevallos (2012), but according to Hestmark (2016) known from Peru and Bolivia and closely related to *U. leprosa*, but not yet confirmed from Ecuador, source: Cevallos (2012)

Umbilicaria cinereorufescens (Schaer.) Frey

[*Gyrophora cinereorufescens* (Schaer.) Schol., *Gyrophora cinereorufescens var. cinereorufescens* (Schaer.) Schol., *Gyrophoropsis cinereorufescens* (Schaer.) M. Choisy, *Umbilicaria vellea f. cinereorufescens* Schaer.]
source: Hestmark (2016); G. Hestmark 94094 [O], G. Hestmark 94096 [O], G. Hestmark 94118 [O], G. Hestmark 94078 [O], G. Hestmark 94093 [O], G. Hestmark 94077 [O], G. Hestmark 94079 [O]

Umbilicaria decussata (Vill.) Zahlbr.

[*Agyrophora decussata* (Vill.) Gyeln., *Gyrophora decussata* (Vill.) Zahlbr., *Gyrophora decussata f. decussata* (Vill.) Zahlbr., *Gyrophora decussata var. decussata* (Vill.) Zahlbr., *Lichen decussatus* Vill., *Omphalodiscus decussatus* (Vill.) Schol., *Omphalodiscus decussatus f. decussatus* (Vill.) Schol., *Omphalodiscus decussatus var. decussatus* (Vill.) Schol.]
source: Llano (1950; as *Omphalodiscus decussatus*), Hestmark (2016); G. Hestmark 94004 [O], G. Hestmark 94070 [O], G. Hestmark 94072 [O], G. Hestmark 94074 [O], G. Hestmark 94069 [O], G. Hestmark 94073 [O], G. Hestmark 94068 [O], G. Hestmark 94071 [O], G. Hestmark 94075 [O], G. Hestmark 94080 [O]

Umbilicaria dendrophora (Poelt) Hestmark

[*Umbilicaria vellea var. dendrophora* Poelt]
according to Hestmark (2016) Kunth's reports of *U. cylindriaca* belong here, source: Kunth (1822-1825, as *U. cylindrica*), Hestmark (2016); G. Hestmark 94006 [O], G. Hestmark 94009 [O], G. Hestmark 94081 [O], G. Hestmark 94102 [O], G. Hestmark 94005 [O]

Umbilicaria haplocarpa Nyl.

[*Agyrophora haplocarpa* (Nyl.) Llano, *Agyrophora haplocarpa var. haplocarpa* (Nyl.) Llano, *Gyrophora haplocarpa* (Nyl.) Räsänen, *Gyrophora haplocarpa var. haplocarpa* (Nyl.) Räsänen, *Gyrophoropsis haplocarpa* (Nyl.) Räsänen, *Gyrophoropsis haplocarpa var. haplocarpa* (Nyl.) Räsänen, *Merophora haplocarpa* (Nyl.) Clem., *Umbilicaria haplocarpa f. haplocarpa* Nyl., *Umbilicaria haplocarpa var. haplocarpa* Nyl.]
according to Hestmark (2016) Llano's reports of *U. zahlbruckneri* belong here and to *U. nylanderiana*; a specimen in WIS is annotated as *U. zahlbruckneri* [Amstrong 1032, WIS-L-0107785], source: Llano (1950), Hestmark (2016); G. Hestmark 94046 [O], G. Hestmark 94049 [O], G. Hestmark 94043 [O], G. Hestmark 94041 [O], G. Hestmark 94045 [O], G. Hestmark 94047 [O], G. Hestmark 94042 [O], G. Hestmark 94048 [O], G. Hestmark 94044 [O], G. Hestmark 94050 [O]

Umbilicaria hirsuta (Sw. ex Westr.) Hoffm.

[*Gyromium velleum var. hirsutum* (Sw. ex Westr.) Wahlenb., *Gyromium velleum var. murinum* (Ach.) Wahlenb., *Gyrophora depressa f. murina* (Ach.) Schaer., *Gyrophora depressa var. hirsuta* (Sw. ex Westr.) Schaer., *Gyrophora grisea* Turner & Borrer, *Gyrophora grisea f. grisea* (Hoffm.) Turner & Borrer, *Gyrophora hirsuta* (Sw. ex Westr.) Ach., *Gyrophora hirsuta f. grisea* (Hoffm.) Bachm., *Gyrophora hirsuta f. hirsuta* (Sw. ex Westr.) Ach., *Gyrophora hirsuta f. murina* (Ach.) Anzi, *Gyrophora hirsuta var. grisea* (Hoffm.) Th. Fr., *Gyrophora hirsuta var. hirsuta* (Sw. ex Westr.) Ach., *Gyrophora hirsuta var. murina* (Ach.) Flörke, *Gyrophora murina* (Ach.) Ach., *Gyrophora spodochroa f. hirsuta* (Sw. ex Westr.) Arnold, *Gyrophora vellea var. hirsuta* (Sw. ex Westr.) Rabenh., *Lecidea hirsuta* (Sw. ex Westr.) Spreng., *Lecidea hirsuta var. murina* (Ach.) Spreng., *Lichen hirsutus* Sw. ex Westr., *Lichen murinus* Ach., *Umbilicaria depressa var. hirsuta* (Sw. ex Westr.) Schaer., *Umbilicaria depressa var. murina* (Ach.) Duby, *Umbilicaria grisea* Hoffm., *Umbilicaria grisea f. grisea* Ach., *Umbilicaria hirsuta var. grisea* (Ach.) Tuck., *Umbilicaria murina* (Ach.) DC., *Umbilicaria murina f. grisea* (Hoffm.) Lamy, *Umbilicaria varia var. grisea* (Hoffm.) Leight., *Umbilicaria vellea f. grisea* (Hoffm.) Schaer., *Umbilicaria vellea f. murina* (Ach.) Fr., *Umbilicaria vellea var. hirsuta* (Sw. ex Westr.) Fr., *Umbilicaria vellea var. murina* (Ach.) Grognot]
problematic; according to Hestmark (2016) a species restricted to the Northern Hemispere; most reports from Ecuador probably refer to the morphologically very similar *U. leprosa*, source: Hestmark (2016)

Umbilicaria leprosa (Zahlbr.) Frey

[*Gyrophora leprosa* Zahlbr.]
Holotype W 7660, source: Zahlbruckner (1905, 19077), Hestmark (2016); K. Kalb 19090 [WIS], G. Hestmark 94051 [O], G. Hestmark 94053 [O], G. Hestmark 94056 [O], G. Hestmark 94061 [O], G. Hestmark 94063 [O], G. Hestmark 94086 [O], G. Hestmark 94052 [O], G. Hestmark 94055 [O], G. Hestmark 94057 [O], G. Hestmark 94064 [O], G. Hestmark 94066 [O], G. Hestmark 94110 [O], G. Hestmark 94058 [O], G. Hestmark 94067 [O], G. Hestmark 94008 [O], G. Hestmark 94054 [O], G. Hestmark 94065 [O], G. Hestmark 94089 [O], G. Hestmark 94062 [O], G. Hestmark 94060 [O], G. Hestmark 94059 [O], G. Hestmark 94087 [O]

Umbilicaria nylanderiana (Zahlbr.) H. Magn.

[*Gyrophora corrugata* Arnold nom. illegit., *Gyrophora nylanderiana* Zahlbr., *Umbilicaria corrugata* Nyl. nom. illegit.]
according to Hestmark (2016) Llano's reports of *U. zahlbruckneri* belong here and to *U. haplocarpa*, as well as reports of Kunth (1822-1825) of *U. rugosa*; a specimen in WIS is annotated as *U. zahlbruckneri* [Amstrong 1032, WIS-L-0107785], source: Kunth (1822-1825; as *U. rugosa*), Llano (1950; as *U. zahlbruckneri*), Hestmark (2016); K. Kalb 19089 [WIS], K. Kalb 19088 [WIS], G. Hestmark 94007 [O], G. Hestmark 94034 [O], G. Hestmark 94035 [O], G. Hestmark 94039 [O], G. Hestmark 94084 [O], G. Hestmark 94091 [O], G. Hestmark 94099 [O], G. Hestmark 94111 [O], G. Hestmark 94200 [O], G. Hestmark 94031 [O], G. Hestmark 94033 [O], G. Hestmark 94036 [O], G. Hestmark 94040 [O], G. Hestmark 94092 [O], G. Hestmark 94113 [O], G. Hestmark 94001 [O], G. Hestmark 94030 [O], G. Hestmark 94116 [O], G. Hestmark 94038 [O], G. Hestmark 94076 [O], G. Hestmark 94032 [O], G. Hestmark 94095 [O], G. Hestmark 94029 [O], G. Hestmark 94037 [O]

Umbilicaria polyphylla (L.) Baumg.

[*Gyromium polyphyllum* (L.) Wahlenb., *Gyrophora anthracina f. anthracina* (Wulfen) Körb., *Gyrophora glabra* (Ach.) Ach., *Gyrophora glabra f. lacera* (Leight.) Magnin, *Gyrophora glabra f. monophylla* (Leight.) Magnin, *Gyrophora glabra var. glabra* (Ach.) Ach., *Gyrophora glabra var. polyphylla* (L.) Gray, *Gyrophora polyphylla* (L.) Körb., *Gyrophora polyphylla f. glabra* (Ach.) Th. Fr., *Gyrophora polyphylla f. lacera* (Leight.) Hepp, *Gyrophora polyphylla f. polyphylla* (L.) Funck, *Gyrophora polyphylla f. sulcata* Turner, *Gyrophora polyphylla var. congregata* Turner & Borrer, *Gyrophora polyphylla var. polyphylla* (L.) Funck, *Lecidea polyphylla* (L.) Spreng., *Lichen anthracinus* Wulfen, *Lichen polyphyllus* L., *Umbilicaria aenea var. glabra* (P. Gaertn., B. Mey. & Scherb.) Schaer., *Umbilicaria anthracina* (Wulfen) Hoffm., *Umbilicaria atropruinosa f. anthracina* (Wulfen) Fr., *Umbilicaria glabra* Ach. nom. inval., *Umbilicaria glabra* P. Gaertn., B. Mey. & Scherb., *Umbilicaria glabra var. anthracina* (Wulfen) DC., *Umbilicaria glabra var. polyphylla* (L.) DC., *Umbilicaria polyphylla f. congregata* (Turner & Borrer) Leight., *Umbilicaria polyphylla f. lacera* (Leight.) Leight., *Umbilicaria polyphylla f. monophylla* (Leight.) Leight., *Umbilicaria polyphylla f. polyphylla* (L.) Baumg., *Umbilicaria polyphylla f. sulcata* (Turner) Leight., *Umbilicaria polyphylla var. glabra* (P. Gaertn., B. Mey. & Scherb.) Stenh., *Umbilicaria polyphylla var. lacera* (Leight.) Cromb., *Umbilicaria polyphylla var. polyphylla* (L.) Baumg., *Umbilicaria varia f. congregata* (Turner & Borrer) Leight., *Umbilicaria varia f. lacera* Leight., *Umbilicaria varia f. monophylla* Leight., *Umbilicaria varia f. sulcata* (Turner) Leight., *Umbilicaria varia var. polyphylla* (L.) Leight.]

problematic; according to Hestmark (2016) *U. nylanderiana* is the most common brown species in Ecuador, it could be confused with the superficially similar European *U. polyphylla*; all reports of *U. polyphylla* are therefore likely erroneous, source: Hestmark (2016)

Umbilicaria proboscidea (L.) Schrader

[*Gyromium proboscideum* (L.) Wahlenb., *Gyrophora corrugata* (Hoffm.) Flörke, *Gyrophora deusta var. corrugata* (Hoffm.) Turner & Borrer, *Gyrophora deusta var. fimbriata* Turner & Borrer, *Gyrophora deusta var. mesenteriformis* sensu Turner & Borrer, non (Wulfen) Turner & Borrer, *Gyrophora exasperata* (Hoffm.) Flörke nom. rejic., *Gyrophora glabra var. corrugata* (Hoffm.) Ach., *Gyrophora heteroidea var. corrugata* Ach., Lich. Univ.: 219 (1810), *Gyrophora hyperborea var. corrugata* (Hoffm.) Th. Fr., *Gyrophora jacquinii* (J.F. Gmel.) Ach., *Gyrophora polymorpha var. proboscidea* (L.) Schaer., *Gyrophora proboscidea* (L.) Ach., *Gyrophora proboscidea f. fimbriata* (Turner & Borrer) Mudd, *Gyrophora proboscidea f. proboscidea* (L.) Ach., *Gyrophora proboscidea var. deplicans* (Nyl.) Cromb., *Gyrophora proboscidea var. exasperata* Ach., *Gyrophora proboscidea var. jacquinii* (J.F. Gmel.) Ach., *Gyrophora proboscidea var. proboscidea* (L.) Ach., *Gyrophora proboscidea var. pulla* (Wulfen) Zahlbr., *Lecidea polymorpha var. proboscidea* (L.) Spreng., *Lecidea proboscidea* (L.) Colla, *Lichen deustus* Lightf. nom. illegit., *Lichen exasperatus* (Hoffm.) J.F. Gmel. nom. rejic., *Lichen jacquinii* J.F. Gmel., *Lichen proboscideus* L., *Lichen pullus* Wulfen nom. illegit., *Umbilicaria corrugata* Hoffm., *Umbilicaria corrugata f. corrugata* Hoffm., *Umbilicaria corrugata var. corrugata* Hoffm., *Umbilicaria cylindrica f. exasperata* (Turner & Borrer) Leight., *Umbilicaria exasperata* Hoffm. nom. rejic., *Umbilicaria polyphylla f. corrugata* (Hoffm.) Schade, *Umbilicaria proboscidea f. corrugata* (Hoffm.) Leight., *Umbilicaria proboscidea f. deplicans* (Nyl.) Oxner, *Umbilicaria proboscidea f. exasperata* (Ach.) Oxner, *Umbilicaria proboscidea f. fimbriata* (Turner & Borrer) Leight., *Umbilicaria proboscidea f. mesenteriformis*, *Umbilicaria proboscidea f. proboscidea* (L.) Schrad., *Umbilicaria proboscidea var. corrugata* (Hoffm.) DC., *Umbilicaria proboscidea var. deplicans* Nyl., *Umbilicaria proboscidea var. exasperata* (Hoffm.) Nyl. nom. rejic., *Umbilicaria proboscidea var. proboscidea* (L.) Schrad., *Umbilicaria proboscidea var. pulla* (Wulfen) Frey, *Umbilicaria varia f. corrugata* (Hoffm.) Leight., *Umbilicaria varia f. exasperata* (Turner & Borrer) Leight., *Umbilicaria varia f. fimbriata* (Turner & Borrer) Leight.]

problematic; reports in Zahlbruckner (1905, 1905) and Diels (1937) of *Gyrophora hyperborea* var. *corrugata* are formally a synonym of *Umbilicaria proboscidea*, but the taxon is not reported in Hestmark (2016), source: Zahlbruckner (1905, 1905), Diels (1937) [both report it as *Gyrophora hyperborea* var. *corrugata*]

Umbilicaria pustulata (L.) Hoffm.

[*Capnia pustulata* (L.) A. St.-Hil., *Gyromium pustulatum* (L.) Wahlenb., *Gyrophora pustulata* (L.) Ach., *Lasallia pustulata* (L.) Merat, *Lecidea pustulata* (L.) Palmstr. & Venus, *Lichen pustulatus* L., *Macrodictya pustulata* (L.) A. Massal., *Umbilicaria pustulata f. pustulata* (L.) Hoffm., *Umbilicaria pustulata var. pustulata* (L.) Hoffm.]

problematic, no modern record, source: Humboldt & Bonpland (1807)

Umbilicaria tessellata (Ach.) Duby

[*Graphis vellea var. tessellata* (Ach.) Wallr., *Gyrophora anthracina var. tessellata* (Ach.) Hepp, *Gyrophora atropruinosa var. tessellata* (Ach.) Schaer., *Gyrophora tessellata* Ach., *Lecidea atropruinosa var. tessellata* (Ach.) Schaer., *Omphalodium atropruinosum var. tessellatum* (Ach.) Rabenh., *Umbilicaria anthracina var. tessellata* (Ach.) Torss., *Umbilicaria atropruinosa f. tessellata* (Ach.) Fr., *Umbilicaria cinerascens var. tessellata* (Ach.) Boistel]

problematic, name not resolved; cited only in Kunth (1822-1825), but Hestmark (2016) does not indicate what that name refers to, source: Kunth (1822-1825)

Umbilicaria vellea (L.) Ach.

[*Graphis vellea* (L.) Wallr., *Gyromium velleum* (L.) Wahlenb., *Gyrophora depressa f. vellea* (L.) Schaer., *Gyrophora vellea* (L.) Ach., *Gyrophora vellea f. vellea* (L.) Ach., *Gyrophora vellea var. vellea* (L.) Ach., *Lecidea vellea* (L.) Spreng., *Lichen velleus* L.]

source: Hestmark (2016); G. Hestmark 94082 [O], G. Hestmark 94088 [O], G. Hestmark 94098 [O], G. Hestmark 94083 [O], G. Hestmark 94097 [O]

Unguiculariopsis

Unguiculariopsis peltigericola Etayo

* = lichenicolous fungi (parasites on living lichens); on *Peltigera* sp., Holotype QCA, Etayo 25523, source: Etayo (2017); Etayo, J. 25523 [hb. Etayo]

Usnea

Usnea acanthella (I.M. Lamb) F.J. Walker

[*Neuropogon sulphureus f. acanthella* I.M. Lamb]

source: Truong & Clerc (2016); Etayo, J. 25868 [hb. Etayo]

Usnea alata Motyka

source: Truong et al. (2013)

Usnea angulata Ach.

[*Usnea paradoxa* (Zahlbr.) Motyka, *Usnea sulcata* Motyka, *Usnea torquescens* Stirt., *Usnea torquescens var. torquescens* Stirt., *Usnea undulata* Stirt., *Usnea undulata f. undulata* Stirt.]

source: Nöske & Sipman (2004), Nöske et al. (2007), Truong et al. (2013); W.A. Weber 1971-06-11 [ASU], Weber, W. A 131884 [MSC], W.A. Weber s.n. [WIS], Weber, William, A. s.n. [DUKE], W.A. Weber 1971-06-11 [UPS], William A. Weber s.n. [LSU], W.A. Weber 1971-06-11 [O], W. A. Weber 1971-06-11 [S]

Usnea aranea Truong & P. Clerc

source: Truong & Clerc (2016)

Usnea arianae P. Clerc, E. Caviró & A. Gerlach

source: Gerlach et al. (2020)

Usnea articulata (L.) Hoffm.

[*Alectoria articulata* (L.) Link, *Bryopogon articulatus* (L.) Czerwiak., *Lichen articulatus* L., *Parmelia articulata* (L.) Spreng., *Usnea articulata f. articulata* (L.) Hoffm., *Usnea articulata subsp. articulata* (L.) Hoffm., *Usnea articulata subsp. intestiniformis* (Ach.) Motyka, *Usnea articulata subsp. mediterranea* Motyka, *Usnea articulata var. articulata* (L.) Hoffm., *Usnea articulata var. intestiniformis* (Ach.) Cromb., *Usnea barbata var. articulata* (L.) Ach., *Usnea barbata var. intestiniformis* Ach., *Usnea dasopoga var. articulata* (L.) Harm., *Usnea florida f. articulata* (L.) Flagey, *Usnea pendula var. articulata* (L.) L. Marchand, *Usnea plicata var. articulata* (L.) Müll. Arg.]

source: Zahlbruckner (1905, 1907)

Usnea baileyi (Stirton) Zahlbr.

[*Eumitria asperrima* (Müll. Arg.) Vain., *Eumitria baileyi* Stirt., *Eumitria formosa* Stirt., *Eumitria implicita* Stirt., *Eumitria tasmanica* (Müll. Arg.) Vain., *Usnea antillarum* (Vain.) Zahlbr., *Usnea baileyi var. eizanensis* (Asahina) Asahina, *Usnea baileyi var. yokawensis* (Asahina) Asahina, *Usnea barbata var. asperrima* Müll.Arg., *Usnea barbata var. substrigosa* (Müll.Arg.) Müll.Arg., *Usnea barbata var. tasmanica* Müll.Arg., *Usnea dasopoga var. substrigosa* (Müll. Arg.) Zahlbr., *Usnea dasypogoides var. substrigosa* Müll.Arg., *Usnea eizanensis* Asahina, *Usnea formosa* (Stirt.) Zahlbr., *Usnea implicita* (Stirt.) Zahlbr., *Usnea implicita f. implicita* (Stirt.) Zahlbr., *Usnea implicita var. yokawensis* Asahina, *Usnea percava f. asperrima* (Müll. Arg.) J. Steiner, *Usnea tasmanica* (Müll.Arg.) Zahlbr.]

source: Fernández-Prado et al. (2022); Ertz, D. 11818 [CDS], Jaramillo, P. 2827 [CDS], Bungartz, F. 7487 [CDS], Bungartz, F. 7837 [CDS], Bungartz, F. 8526 [CDS], Aptroot, A. 63379 [CDS], Aptroot, A. 63764 A [CDS], Aptroot, A. 63998 [CDS], Bungartz, F. 5721 [CDS], Aptroot, A. 65382 [CDS], Bungartz, F. 5850 [CDS], Aptroot, A. 64872 [CDS], Bungartz, F. 5891 [CDS], Bungartz, F. 4686 [CDS], Bungartz, F. 7386 [CDS], Bungartz, F. 7648 [CDS], Bungartz, F. 7762 [CDS], Bungartz, F. 7862 A [CDS], Bungartz, F. 7863 [CDS], Jaramillo, P. 2824 [CDS], Jaramillo, P. 2830 [CDS], Nugra, F. 632 A [CDS], Aptroot, A. 64873 B [CDS], Aptroot, A. 63319 F [CDS], Ertz, D. 11773 B [CDS], Herrera-Campos, M.A. 10863 [CDS], Herrera-Campos, M.A. 10896 [CDS], Clerc, P. 08-25 [CDS], Clerc, P. 08-176 [CDS], Clerc, P. 08-199 [CDS], Clerc, P. 08-319 [CDS], Clerc, P. 08-412 [CDS], Clerc, P. 08-261 [CDS], Clerc, P. 08-340 [CDS], Clerc, P. 08-417 [CDS], Clerc, P. 08-77 [CDS], Herrera-Campos, M.A. 10690 [CDS], Herrera-Campos, M.A. 10798 [CDS], Herrera-Campos, M.A. 10788 [CDS], Herrera-Campos, M.A. 10797 [CDS], Truong, C. 1474 [CDS], Truong, C. 1453 [CDS], Truong, C. 1423 [CDS], Truong, C. 1420 [CDS], Truong, C. 1430 [CDS], Truong, C. 1479 [CDS], Truong, C. 1438 [CDS], Truong, C. 1449 [CDS], Truong, C. 1484 [CDS], Truong, C. 1386 [CDS], Truong, C. 1374 [CDS], Truong, C. 1396 [CDS], Truong, C. 1402 [CDS], Truong, C. 1191 [CDS], Truong, C. 1134 [CDS], Truong, C. 1326 [CDS], Truong, C. 1318 [CDS], Truong, C. 1302 [CDS], Aptroot, A. 64567 [CDS], Aptroot, A. 65149 A [CDS], Aptroot, A. 64769 B [CDS], Aptroot, A. 64105 [CDS], Jaramillo, P. 2829 [CDS], Jaramillo, P. 2835 [CDS], Nugra, F. 163 A [CDS], Bungartz, F. 6587 [CDS], Bungartz, F. 5942 [CDS], Bungartz, F. 4752 [CDS], Bungartz, F. 7764 B [CDS], Bungartz, F. 4751 [CDS], Bungartz, F. 6670 [CDS], Weber, W.A. s.n. [CDS], Truong, C. 1446 [CDS], Aptroot, A. 65149 B [CDS], Aptroot, A. 63764 B [CDS], Stalin Cáceres... 72 [INABIOEC-MECN-QCNE]

Usnea barbata (L.) F.H. Wigg.

[*Lichen barbatus* L., *Usnea dasopoga f. scabrata* (Nyl.) Arnold, *Usnea scabiosa* Motyka, *Usnea scabrata* Nyl.]
problematic, no modern record, Leighton (1866) cites both *U. barbata* f. *hirta* (=*U. hirta*) from Esmeraldas, and *U. barbata* f. *ceratina* (=*U. ceratina*) from Tunguragua; Mitten (1851) reports *U. barbata* itself, but it is not clear what these old reports refer to, source: Mitten (1851), Cevallos (2012)

Usnea bogotensis Vain.

source: Sklenář et al. (2010), Etayo (2017); W.L. Culberson 20382 [ASU], W.L. Culberson 20382 [ASU], Grubb, P J 2518 [MSC], Grubb, P., J.... 2518 [DUKE], Erik Asplund 1939-05-11 [LD], E. Asplund 1939-05-11 [LD], E. Asplund 1939-05-11 [LD], William L.... 1987-08-22 [LD], Camile Truong 506 [INABIOEC-MECN-QCNE], Martin A.J.P. Smeets 247 [INABIOEC-MECN-QCNE], Carlos Cerón 25955 A [INABIOEC-MECN-QCNE]

Usnea brasiliensis (Zahlbr.) Motyka

[*Usnea bornmuelleri var. brasiliensis* Zahlbr., *Usnea cornuta subsp. brasiliensis* (Zahlbr.) P. Clerc]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2018); Herrera-Campos, M.A. 10894 [CDS], Bungartz, F. 8367 [CDS], Clerc, P. 08-242 [CDS], Aptroot, A. 65128 B [CDS], Bungartz, F. 4300 [CDS], Clerc, P. 08-239 [CDS]

Usnea ceratina Ach.

[*Lichen ceratinus* (Ach.) Lam., *Parmelia ceratina* (Ach.) Spreng., *Usnea barbata var. ceratina* (Ach.) Schaer., *Usnea ceratina f. incurvescens* Arnold, *Usnea ceratina f. incurviscens* Arnold, *Usnea ceratina subsp. incurvescens* (Arnold) Motyka, *Usnea ceratina subsp. incurviscens* (Arnold) Motyka, *Usnea ceratina var. incurviscens* (Arnold) H. Olivier, *Usnea incurvescens* (Arnold) Motyka ex B. de Lesd.]
source: Leighton (1866; as *U. barbata* f. *ceratina*), Müller (1879), Romeguère (1879), Troung & Clerc (2012); Carlos Cerón 31073 [INABIOEC-MECN-QCNE], Anna Koffman 446 [INABIOEC-MECN-QCNE], Anna Koffman 537 [INABIOEC-MECN-QCNE], J. Jaramillo 1679 B [INABIOEC-MECN-QCNE]

Usnea cirrosa Motyka

source: Nöske et al. (2007); Telma Paredes 965 [INABIOEC-MECN-QCNE], Carlos Cerón 25814 [INABIOEC-MECN-QCNE], Telma Paredes 998 [INABIOEC-MECN-QCNE], Anna Koffman 423 A [INABIOEC-MECN-QCNE]

Usnea cladocarpa Fée

[*Usnea cirrosa subsp. ramillosa* (Motyka) P. Clerc., *Usnea ramillosa* Motyka]
source: Nöske & Sipman (2004; as *U. ramillosa*), Nöske et al. (2007; as *U. ramillosa*), Truong et al. (2013); W.A. Weber 1976-04-25 [ASU], Bungartz, F. 9717 [CDS], Bungartz, F. 6284 [CDS]

Usnea clerciana Truong

endemic to Galapagos, Holotype: Truong 1127 [CDS 39438]; according to Bungartz et al. (2018) sorediate specimens are similar to *Usnea fragilescens* and *U. cornuta*, source: Truong & Clerc (2016), Bungartz et al. (2018); Bungartz, F. 8122 [CDS], Truong, C. 1467 [CDS], Truong, C. 1477 [CDS], Aptroot, A. 64873 C [CDS], Truong, C. 1457 [CDS], Clerc, P. 08-173 [CDS], Truong, C. 1307 [CDS], Truong, C. 1384 [CDS], Truong, C. 1391 [CDS], Truong, C. 1441 [CDS], Truong, C. 1123 [CDS], Truong, C. 1132 [CDS], Truong, C. 1394 [CDS], Truong, C. 1403 [CDS], Truong, C. 1192 [CDS], Truong, C. 1127 [CDS], Truong, C. 1325 [CDS], Truong, C. 1308 [CDS], Truong, C. 1320 [CDS], Truong, C. 1113 [CDS], Truong, C. 1516 [CDS], Truong, C. 1378 [CDS], Truong, C. 1332 [CDS], Truong, C. 1387 [CDS], Truong, C. 1483 [CDS], Truong, C. 1481 [CDS], Clerc, P. 08-406 [CDS], Clerc, P. 08-337 [CDS], Clerc, P. 08-102 [CDS], Clerc, P. 08-426 [CDS], Clerc, P. 08-263 [CDS], Clerc, P. 08-316 [CDS], Clerc, P. 08-78 [CDS], Clerc, P. 08-174 [CDS], Clerc, P. 08-408 [CDS], Clerc, P. 08-416 [CDS], Clerc, P. 08-95 [CDS], Clerc, P. 08-90 [CDS], Clerc, P. 08-98 [CDS], Clerc, P. 08-88 [CDS], Bungartz, F. 9718 [CDS], Bungartz, F. 9722 [CDS], Bungartz, F. 9721 [CDS], Bungartz, F. 9704 [CDS], Bungartz, F. 9720 [CDS], Herrera-Campos, M.A. 10799 [CDS], Truong, C. 1136 [CDS], Truong, C. 1419 [CDS], Truong, C. 1395 [CDS], Truong, C. 1411 [CDS], Truong, C. 1412 [CDS], Truong, C. 1303 [CDS], Truong, C. 1443 [CDS], Truong, C. 1317 [CDS], Truong, C. 1138 [CDS], Clerc, P. 08-76 [CDS], Clerc, P. 08-344 [CDS], Clerc, P. 08-56 [CDS], Clerc, P. 08-346 [CDS], Clerc, P. 08-345 [CDS], Bungartz, F. 6600 A [CDS], Bungartz, F. 5680 [CDS], Bungartz, F. 6226 [CDS], Aptroot, A. 65150 [CDS], Aptroot, A. 63762 B [CDS], Aptroot, A. 65148 [CDS], Aptroot, A. 63765 B [CDS], Luong, T.T. s.n. [CDS], Yánez-Ayabaca, A. 1913 [CDS], Aptroot, A. 65364 [CDS], Aptroot, A. 63429 [CDS], Aptroot, A. 63427 [CDS], Aptroot, A. 64129 [CDS], Bungartz, F. 3915 [CDS], Bungartz, F. 7490 [CDS], Bungartz, F. 7505 [CDS], Bungartz, F. 7655 A [CDS], Bungartz, F. 7661 [CDS], Bungartz, F. 7701 C [CDS], Bungartz, F. 6735 [CDS], Bungartz, F. 6759 [CDS], Bungartz, F. 4459 [CDS], Bungartz, F. 6745 [CDS], Bungartz, F. 6228 [CDS], Luong, T.T. s.n. [CDS], Nugra, F. 577 [CDS], Aptroot, A. 64873 A [CDS], Aptroot, A. 64566 A [CDS], Truong, C. 1413 [CDS], Truong, C. 1414 [CDS], Herrera-Campos, M.A. 10795 B [CDS]

Usnea columbiana Motyka ex Räsänen

preliminary identification, Bungartz et al. (2018): The identity of specimens in Galapagos, here referred to *U.* aff. *columbiana*, is not entirely resolved. Material analyzed by HTLC either contains both usnic and norstictic acid or, more rarely, usnic acid only, source: Bungartz et al. (2018); Aptroot, A. 64851 [CDS], Aptroot, A. 65088 [CDS]

Usnea complanata (Müll. Arg.) Motyka

[*Thermutis complanata* (Müll. Arg.) A.L. Sm., *Usnea barbata f. complanata* Müll.Arg., *Usnea florida f. complanata* (Müll.Arg.) Zahlbr.]
source: Kalb & Aptroot (2017)

Usnea cornuta Körb.

[*Usnea ceratina f. inflata* Duby, *Usnea confusa* Asah., *Usnea constrictula* Stirt., *Usnea inflata* (Duby) Motyka, *Usnea inflata var. cornuta* (Körb.) Clauzade & Cl. Roux, *Usnea inflata var. inflata* Delise, *Usnea intexta* Stirt., *Usnea intexta var. constrictula* (Stirt.) D. Hawksw. & D. Chapm., *Usnea intexta var. intexta* Stirt., *Usnea jelskii* Motyka, *Usnea subhirta* (Vain.) Motyka, *Usnea subpectinata* Stirt.]
native, indigenous, source: Bungartz et al. (2018); Bungartz, F. 4021 [CDS], Bungartz, F. 5862 [CDS], Herrera-Campos, M.A. 10848 [CDS], Clerc, P. 08-89 [CDS], Bungartz, F. 9882 [CDS], Bungartz, F. 5726 [CDS], Nugra, F. 1070 [CDS], Nugra, F. 149 [CDS], Truong, C. 1335 [CDS], Truong, C. 1393 [CDS], Truong, C. 1448 [CDS], Truong, C. 1429 [CDS], Bungartz, F. 4812 [CDS], Aptroot, A. 63221 [CDS], Clerc, P. 08-222 A [CDS], Truong, C. 1421 [CDS], Truong, C. 1436 B [CDS], Truong, C. 1485 [CDS], A. Koffman 555A [INABIOEC-MECN-QCNE], T. Delinks 1211 [INABIOEC-MECN-QCNE], Silvana Gallegos Sánchez 103 [INABIOEC-MECN-QCNE], Carlos Cerón 17202 [INABIOEC-MECN-QCNE], Bolívar Freire 68 [INABIOEC-MECN-QCNE], Bolívar Freire 33 [INABIOEC-MECN-QCNE], Bolívar Freire 201 [INABIOEC-MECN-QCNE], Carlos Cerón 23048 C [INABIOEC-MECN-QCNE], Carlos Cerón 23060 B [INABIOEC-MECN-QCNE], Bolívar Freire 96 [INABIOEC-MECN-QCNE], Marcelo Espinosa 1 [INABIOEC-MECN-QCNE], Telma Paredes 456 [INABIOEC-MECN-QCNE], Telma Paredes 948 A [INABIOEC-MECN-QCNE], Telma Paredes 1007 A [INABIOEC-MECN-QCNE], Carla Cole 224 D [INABIOEC-MECN-QCNE]

Usnea dasaea Stirton

[*Usnea spinulifera* (Vain.) Motyka]
source: Truong & Clerc (2016); Ertz, D. 11764 [CDS], Bungartz, F. 8269 [CDS], Bungartz, F. 4044 [CDS], Clerc, P. 08-120 [CDS], Clerc, P. 08-342 [CDS], Truong, C. 1388 [CDS], Truong, C. 1339 [CDS], Truong, C. 1428 [CDS], Bungartz, F. 9639 [CDS], Bungartz, F. 9623 [CDS], Nugra, F. 1128 [CDS], Truong, C. 1201 [CDS], Truong, C. 1407 [CDS], Truong, C. 1444 [CDS], Bungartz, F. 4203 [CDS], Bungartz, F. 10159 B [CDS], Aptroot, A. 65133 [CDS], Truong, C. 1436 A [CDS]

Usnea deformis Motyka

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2018); Bungartz, F. 10948 [CDS]

Usnea dimorpha (Müll.Arg.) Motyka

[*Usnea articulata var. dimorpha* Müll.Arg.]
source: Truong et al. (2013)

Usnea dodgei Motyka

source: Truong et al. (2013); Bungartz, F. 7743 [CDS], Truong, C. 1181 [CDS], Truong, C. 1305 [CDS], Clerc, P. 08-80 [CDS], Truong, C. 1319 [CDS], Truong, C. 1382 A [CDS], Clerc, P. 08-183 [CDS], Clerc, P. 08-253 [CDS], Clerc, P. 08-413 [CDS], Clerc, P. 08-364 [CDS], Clerc, P. 08-97 [CDS], Herrera-Campos, M.A. 10794 [CDS], Truong, C. 1476 [CDS], Herrera-Campos, M.A. 10793 [CDS], Truong, C. 1439 [CDS], Clerc, P. 08-254 [CDS], Clerc, P. 08-256 B [CDS], Truong, C. 1115 [CDS], Bungartz, F. 10338 [CDS], Aptroot, A. 64850 [CDS], Aptroot, A. 65429 [CDS], Aptroot, A. 65704 [CDS], Aptroot, A. 65128 A [CDS], Bungartz, F. 7763 A [CDS], Bungartz, F. 4356 [CDS], Bungartz, F. 4198 [CDS], Bungartz, F. 7701 B [CDS], Aptroot, A. 63759 [CDS], Aptroot, A. 63765 A [CDS], Bungartz, F. 3529 [CDS], Bungartz, F. 4250 [CDS], Clerc, P. 08-205 [CDS]

Usnea dorogawensis Asahina

source: Ohmura (2001), Truong et al. (2011, 2013), Bungartz et al. (2018); Bungartz, F. 8356 [CDS], Truong, C. 1226 [CDS], Truong, C. 1222 [CDS], Truong, C. 1218 [CDS], Truong, C. 1172 [CDS], Clerc, P. 08-241 [CDS], Herrera-Campos, M.A. 10712 [CDS], Herrera-Campos, M.A. 10715 [CDS], Clerc, P. 08-248 B [CDS]

Usnea durietzii Motyka

[*Neuropogon durietzii* (Motyka) D.J. Galloway & Quilhot]
source: Truong et al. (2011)

Usnea erinacea Vain.

[*Usnea sanguinea* Swinscow & Krog]
source: Truong et al. (2011); Simbaña, W. 568 [CDS], Truong, C. 1455 [CDS], Truong, C. 1401 [CDS], Bungartz, F. 9951 [CDS], Bungartz, F. 9719 [CDS], Bungartz, F. 9702 [CDS], Luong, T.T. s.n. [CDS]

Usnea flammea Stirton

[*Lichen ceratinus var. scabrosus* Ach. ex Lam., *Usnea barbata var. scabrosa* (Ach.) Grognot, *Usnea ceratina var. scabrosa* Ach., *Usnea florida var. scabrosa* Vain., *Usnea rupestris* Motyka, *Usnea scabrosa* (Ach.) Ach.]
source: Müller (1879; as *U. barbata* var. *scabrosa*), Romeguère (1879; as *U. barbata* var. *scabrosa*), Zahlbruckner (1905, as *U. florida* var. *scabrosa*), Bungartz et al. (2018); Aptroot, A. 64670 [CDS], Aptroot, A. 63319 C [CDS]

Usnea flavocardia Räsänen

[*Usnea wirthii* P. Clerc]
source: Truong et al. (2011)

Usnea florida (L.) Weber ex F.H. Wigg.

[*Lichen floridus* L., *Parmelia florida* (L.) Spreng., *Usnea barbata f. florida* (L.) Fr., *Usnea barbata subsp. florida* (L.) Vain., *Usnea barbata var. florida* (L.) Fr., *Usnea florida f. florida* (L.) Weber ex F.H. Wigg., *Usnea florida subsp. florida* (L.) Weber ex F.H. Wigg., *Usnea florida var. florida* (L.) Weber ex F.H. Wigg., *Usnea plicata var. florida* (L.) Link]
source: Müller (1879), Zahlbruckner (1907), Zahlbruckner (1905)

Usnea galapagona Truong & P. Clerc

endemic to Galapagos, Type: Ecuador. Galapagos: Isla San Cristóbal, Cerro Mundo, at the top of the rock cliffs on the S side close to the summit, 00°53'S, 89°34'W, 282 m, transition zone with *Bursera graveolens*, *Croton scouleri* and *Jasminocereus thouarsii*, on *Jasminocereus thouarsii* on the ridge, August 2008, Clerc, P. 08-405 & Truong, C. (CDS 40259 – holotype!, G – isotypes) ; CMA: 16/3/61.5; chemistry: usnic acid, unknown medullary metabolite reacting UV+ green after charring, source: Herrera-Campos et al. (1998), Lumbsch et al. (2011), Bungartz et al. (2018); Aptroot, A. 63208 B [CDS], Bungartz, F. 4033 A [CDS], Nugra, F. 632 B [CDS], Bungartz, F. 7862 B [CDS], Clerc, P. 08-405 [CDS], Truong, C. 1323 [CDS], Truong, C. 1482 [CDS], Clerc, P. 08-334 [CDS], Clerc, P. 08-330 [CDS], Clerc, P. 08-404 [CDS], Bungartz, F. 10188 [CDS], Herrera-Campos, M.A. 10792 [CDS], Aptroot, A. 64769 D [CDS], Aptroot, A. 64568 [CDS], Aptroot, A. 64887 [CDS], Aptroot, A. 64769 C [CDS], Bungartz, F. 6608 B [CDS], Bungartz, F. 6608 A [CDS]

Usnea geissleriana P. Clerc

source: Truong et al. (2013); Bungartz, F. 4028 B [CDS], Herrera-Campos, M.A. 10795 A [CDS]

Usnea glabrata (Ach.) Vain.

[*Parmelia barbata var. erecta* Schaer., *Usnea articulata f. erecta* Stein, *Usnea articulata f. glabrata* (Ach.) Zahlbr., Cat. Lich. Univers. 6: 540 (1930), *Usnea barbata f. erecta* Schaer. nom. illegit., *Usnea barbata f. sorediifera* (Arnold) Arnold, *Usnea barbata var. erecta* Rabenh. nom. illegit., *Usnea barbata var. sorediifera* Arnold, *Usnea erecta* (Stein) Motyka, *Usnea florida var. sorediifera* (Arnold) Hue, *Usnea hirta var. sorediifera* (Arnold) Jatta, *Usnea plicata f. erecta* Kremp. nom. illegit., *Usnea plicata f. glabrata* (Ach.) Ach., *Usnea plicata var. glabrata* Ach., *Usnea sorediifera* (Arnold) Lynge, *Usnea sorediifera f. sorediifera* (Arnold) Lynge, *Usnea sorediifera var. sorediifera* (Arnold) Lynge]
Anna Koffman 471 [INABIOEC-MECN-QCNE], Telma Paredes 1007 B [INABIOEC-MECN-QCNE], Carlos Cerón 10891 B [INABIOEC-MECN-QCNE], Telma Paredes 948 C [INABIOEC-MECN-QCNE], Telma Paredes 948 D [INABIOEC-MECN-QCNE], Camille Truong 146 [INABIOEC-MECN-QCNE], Camille Truong 330 [INABIOEC-MECN-QCNE], Camille Truong 383 [INABIOEC-MECN-QCNE], Camille Truong 421 [INABIOEC-MECN-QCNE], Camille Truong 776 [INABIOEC-MECN-QCNE]

Usnea grandisora Truong & P. Clerc

Holotype: Truong 1122 [CDS 39433], source: Truong et al. (2011), Bungartz et al. (2018); Bungartz, F. 8498 [CDS], Bungartz, F. 8499 [CDS], Truong, C. 1122 [CDS], Clerc, P. 08-262 [CDS], Clerc, P. 08-140 [CDS], Clerc, P. 08-103 [CDS], Clerc, P. 08-264 [CDS], Clerc, P. 08-101 [CDS], Truong, C. 1200 [CDS]

Usnea himantodes Stirt.

[*Usnea neoguineensis* Asahina, *Usnea neoguineensis var. gracilior* Asahina, *Usnea neoguineensis var. neoguineensis* Asahina]
source: Fernández-Prado et al. (2022)

Usnea hirta (L.) Weber ex F.H. Wigg.

[*Lichen hirtus* L., *Usnea barbata var. villosa* (Ach.) Koltz, *Usnea florida f. minutissima* Mereschk., *Usnea florida f. villosa* (Ach.) Zahlbr., *Usnea florida var. hirta* (L.) Ach., *Usnea florida var. villosa* Ach., *Usnea hirta f. minutissima* (Mereschk.) Erichsen, *Usnea hirta subsp. comiformis* (Motyka ex Räsänen) Motyka, *Usnea hirta subsp. hirta* (L.) Weber ex F.H. Wigg., *Usnea hirta subsp. villosa* (Ach.) Räsänen, *Usnea hirta var. comiformis* Motyka ex Räsänen, *Usnea hirta var. minutissima* (Mereschk.) Cretz., *Usnea plicata var. hirta* (L.) Ach., *Usnea variolosa* Motyka]
problematic, no modern record, source: Leighton (1966, as *U. barbata* f. *hirta*), Müller (1879), Zahlbruckner (1905)

Usnea inermis Motyka

[*Usnea angulosa* (Müll. Arg.) Motyka, *Usnea barbata var. angulosa* Müll.Arg., *Usnea dasopoga var. angulosa* (Müll.Arg.) Zahlbr., *Usnea dasypogoides var. angulosa* (Müll.Arg.) Müll.Arg.]
problematic, no modern record, source: Müller (1879), Romeguère (1879)

Usnea jamaicensis Ach.

[*Lichen jamaicensis* (Ach.) Lam., *Parmelia coralloidea var. jamaicensis* (Ach.) Eschw., *Parmelia jamaicensis* (Ach.) Spreng.]
Telma Paredes 360 [INABIOEC-MECN-QCNE], Tatiana Dávila 78 [INABIOEC-MECN-QCNE], Camille Truong 275 [INABIOEC-MECN-QCNE]

Usnea laevis (Eschw.) Nyl.

[*Parmelia coralloidea var. laevis* Eschw.]
problematic, no modern record, source: Müller (1879), Zahlbruckner (1905, 1907), Návas (1908)

Usnea laevis var. glacialis Zahlbr.

[*Usnea roccellina var. glacialis* Motyka]
problematic, name not resolved, no modern record, but Typification: Meyer 303; Meyer 371; Meyer 406, source: Zahlbruckner (1905)

Usnea lambii (Imshaug) Wirtz & Lumbsch

[*Neuropogon lambii* Imshaug]
source: Truong & Clerc (2016)

Usnea leana Bungartz, Truong & Herrera-Camp.

endemic to Galapagos, Holotype: Yánez-Ayabaca 1895 [CDS 48250], source: Bungartz et al. (2018); Yánez-Ayabaca, A. 1895 [CDS], Clerc, P. 08-208 [CDS]

Usnea mayrhoferi Herrera-Camp., Bungartz, Truong & P. Clerc

endemic to Galapagos, Holotype: Clerc 08-213 [CDS 40067], source: Bungartz et al. (2018); Bungartz, F. 8354 [CDS], Bungartz, F. 8355 [CDS], Bungartz, F. 8364 A [CDS], Bungartz, F. 8365 [CDS], Bungartz, F. 8366 [CDS], Herrera-Campos, M.A. 10716 [CDS], Herrera-Campos, M.A. 10713 [CDS], Clerc, P. 08-248 A [CDS], Clerc, P. 08-243 [CDS], Clerc, P. 08-247 [CDS], Clerc, P. 08-213 [CDS], Clerc, P. 08-238 [CDS], Clerc, P. 08-214 [CDS], Clerc, P. 08-116 [CDS], Clerc, P. 08-240 A [CDS], Clerc, P. 08-137 [CDS], Bungartz, F. 8364 B [CDS], Truong, C. 1223 [CDS], Truong, C. 1224 [CDS], Truong, C. 1219 [CDS], Truong, C. 1227 [CDS], Truong, C. 1225 [CDS], Truong, C. 1178 [CDS], Truong, C. 1161 [CDS], Truong, C. 1162 [CDS], Truong, C. 1160 [CDS], Truong, C. 1253 [CDS], Herrera-Campos, M.A. 10717 [CDS], Herrera-Campos, M.A. 10714 [CDS], Aptroot, A. 65129 [CDS]

Usnea meridionalis Zahlbr.

problematic, name not resolved, no modern record, source: Diels (1937)

Usnea mexicana Vain.

[*Usnea duriuscula* Motyka]
in Galapagos and most likely on the continent all previous records of *U. longissima* belong here; in Galapagos *U. mexicana* has also erroneously been reported as *U. amabilis* or *U. arthroclada*, source: Truong et al. (2013); Herrera-Campos, M.A. 10822 [CDS], Truong, C. 1166 [CDS], Truong, C. 1301 [CDS], Truong, C. 1119 [CDS], Truong, C. 1315 [CDS], Truong, C. 1324 [CDS], Truong, C. 1135 [CDS], Truong, C. 1329 [CDS], Truong, C. 1304 [CDS], Aptroot, A. 65134 [CDS], Aptroot, A. 64104 [CDS], Aptroot, A. 65417 [CDS], Aptroot, A. 63317 [CDS], Aptroot, A. 63997 [CDS], Clerc, P. 08-251 [CDS], Clerc, P. 08-175 [CDS], Clerc, P. 08-252 [CDS], Clerc, P. 08-258 [CDS], Clerc, P. 08-420 [CDS], Clerc, P. 08-418 [CDS], Clerc, P. 08-59 [CDS], Herrera-Campos, M.A. 10809 [CDS], Herrera-Campos, M.A. 10780 [CDS], Herrera-Campos, M.A. 10782 [CDS], Herrera-Campos, M.A. 10817 [CDS], Nugra, F. 538 [CDS], Nugra, F. 535 [CDS], Bungartz, F. 3912 [CDS], Bungartz, F. 7764 A [CDS], Bungartz, F. 10203 [CDS], Bungartz, F. 4334 [CDS], Bungartz, F. 3530 [CDS], Bungartz, F. 4892 [CDS], Bungartz, F. 4891 [CDS], Bungartz, F. 5872 [CDS], Herrera-Campos, M.A. 10786 [CDS], Aptroot, A. 63758 [CDS], H. Balslev 97233 [INABIOEC-MECN-QCNE]

Usnea patagonica F.J. Walker

[*Neuropogon patagonicus* (F.J. Walker) D.J. Galloway & Quilhot]
source: Truong & Clerc (2016)

Usnea patriciana Bungartz, Herrera-Camp. & P. Clerc

endemic to Galapagos, Holotype: Truong 1427 [CDS 39738], source: Bungartz et al. (2018); Truong, C. 1188 [CDS], Truong, C. 1431 [CDS], Truong, C. 1440 [CDS], Truong, C. 1427 [CDS], Bungartz, F. 4732 [CDS], Truong, C. 1139 [CDS], Truong, C. 1451 [CDS], Clerc, P. 08-129 [CDS], Bungartz, F. 10328 [CDS], Truong, C. 1425 [CDS], Herrera-Campos, M.A. 10554 A [CDS], Herrera-Campos, M.A. 10885 [CDS]

Usnea perhispidella J. Steiner

[*Usnea eumitrioides* Motyka]
source: Truong et al. (2013)

Usnea poliothrix Kremp.

source: Truong et al. (2011); Yánez-Ayabaca, A. 1902 [CDS], Herrera-Campos, M.A. 10668 [CDS], Bungartz, F. 8184 [CDS], Bungartz, F. 8195 [CDS], Bungartz, F. 8209 [CDS], Bungartz, F. 8297 [CDS], Bungartz, F. 8423 [CDS], Bungartz, F. 9956 [CDS], Truong, C. 1416 B [CDS], Bungartz, F. 5998 [CDS], Herrera-Campos, M.A. 10769 [CDS], Herrera-Campos, M.A. 10688 [CDS], Herrera-Campos, M.A. 10687 [CDS], Herrera-Campos, M.A. 10685 [CDS], Herrera-Campos, M.A. 10684 [CDS], Herrera-Campos, M.A. 10771 [CDS], Herrera-Campos, M.A. 10770 [CDS], Herrera-Campos, M.A. 10689 [CDS], Clerc, P. 08-381 [CDS], Clerc, P. 08-375 [CDS], Clerc, P. 08-216 [CDS], Clerc, P. 08-379 [CDS], Clerc, P. 08-139 [CDS], Clerc, P. 08-206 [CDS], Clerc, P. 08-207 [CDS], Truong, C. 1409 A [CDS], Truong, C. 1180 [CDS], Truong, C. 1452 [CDS], Truong, C. 1454 [CDS], Truong, C. 1461 [CDS], Truong, C. 1462 [CDS], Truong, C. 1380 [CDS], Truong, C. 1398 [CDS], Truong, C. 1399 [CDS], Truong, C. 1184 [CDS], Truong, C. 1379 [CDS], Truong, C. 1475 [CDS], Truong, C. 1466 [CDS], Truong, C. 1410 [CDS], Truong, C. 1211 [CDS], Truong, C. 1217 [CDS], Truong, C. 1212 [CDS], Truong, C. 1187 [CDS], Truong, C. 1216 [CDS], Truong, C. 1229 [CDS], Truong, C. 1185 [CDS], Clerc, P. 08-376 [CDS], Aptroot, A. 64904 [CDS], Aptroot, A. 63960 [CDS], Aptroot, A. 65425 [CDS], Aptroot, A. 64769 A [CDS], Aptroot, A. 64131 [CDS], Bungartz, F. 5911 [CDS], Bungartz, F. 6526 A [CDS], Bungartz, F. 7347 [CDS], Bungartz, F. 7385 [CDS], Bungartz, F. 6526 B [CDS], Jaramillo, P. 2887 A [CDS], LeDee, O.E. OEL-00-09 B [CDS], Aptroot, A. 63319 E [CDS], Aptroot, A. 63319 G [CDS], Aptroot, A. 63430 C [CDS], Clerc, P. 08-181 B [CDS], Clerc, P. 08-219 B [CDS], Clerc, P. 08-373 B [CDS], Truong, C. 1382 B [CDS], Truong, C. 1459 [CDS], Nugra, F. 163 B [CDS], Truong, C. 1417 [CDS]

Usnea regia Motyka

source: Truong et al. (2013)

Usnea roccellina Motyka

Alice Johannsen 8 [WIS], E. Asplund 1939-06-23 [LD], Erik Asplund 1939-04-23 [LD], Carlos Céron 13651 [INABIOEC-MECN-QCNE], Carmen Josse 516 [INABIOEC-MECN-QCNE]

Usnea rubicunda Stirton

[*Usnea pensylvanica* Motyka, *Usnea protensa* Stirt., *Usnea rubicunda var. spilota* (Stirt.) G.N. Stevens, *Usnea spilota* Stirt., *Usnea sublurida* Stirt.]
parasitized by *Lichenostigma maureri*, source: Farlow (1902), Stewart (1912), Weber (1966, 1986), Elix & McCarthy (1998), Nöske & Sipman (2004), Nöske et al. (2007), Truong et al. (2011), Ohmura (2001, 2008), Bungartz et al. (2018), Etayo (2017); C. H. Dodson 1853 [WIS], Jaramillo, P. 2875 B [CDS], Jaramillo, P. 2820 [CDS], Bungartz, F. 8120 [CDS], Bungartz, F. 8603 [CDS], Simbaña, W. 558 [CDS], Aptroot, A. 64130 [CDS], Aptroot, A. 65360 [CDS], Nugra, F. 25 [CDS], Ertz, D. 11773 A [CDS], Jaramillo, P. 2886 B [CDS], Nugra, F. 567 [CDS], Truong, C. 1480 [CDS], Herrera-Campos, M.A. GAL-294 [CDS], Herrera-Campos, M.A. GAL-295 [CDS], Herrera-Campos, M.A. 10854 [CDS], Herrera-Campos, M.A. 10897 [CDS], Yánez-Ayabaca, A. 1701 [CDS], Bungartz, F. 3736 [CDS], Bungartz, F. 5943 [CDS], Bungartz, F. 9703 [CDS], Bungartz, F. 9957 [CDS], Bungartz, F. 10397 [CDS], Bungartz, F. 4718 [CDS], Bungartz, F. 9959 [CDS], Bungartz, F. 9958 [CDS], Bungartz, F. 9586 [CDS], Bungartz, F. 5853 [CDS], Bungartz, F. 4043 A [CDS], Bungartz, F. 3918 [CDS], Bungartz, F. 4749 [CDS], Bungartz, F. 9585 [CDS], Bungartz, F. 9723 [CDS], Bungartz, F. 6585 [CDS], Bungartz, F. 3570 [CDS], Bungartz, F. 6600 B [CDS], Bungartz, F. 7512 [CDS], Truong, C. 1400 [CDS], Truong, C. 1397 [CDS], Truong, C. 1117 [CDS], Truong, C. 1306 [CDS], Truong, C. 1316 [CDS], Truong, C. 1321 [CDS], Truong, C. 1372 [CDS], Truong, C. 1422 [CDS], Truong, C. 1327 [CDS], Truong, C. 1383 [CDS], Truong, C. 1463 [CDS], Truong, C. 1437 [CDS], Truong, C. 1456 [CDS], Truong, C. 1408 [CDS], Truong, C. 1137 [CDS], Truong, C. 1168 [CDS], Truong, C. 1415 [CDS], Truong, C. 1373 [CDS], Truong, C. 1406 [CDS], Truong, C. 1445 [CDS], Truong, C. 1460 [CDS], Truong, C. 1465 [CDS], Truong, C. 1473 [CDS], Truong, C. 1128 [CDS], Truong, C. 1418 [CDS], Truong, C. 1189 [CDS], Clerc, P. 08-341 [CDS], Clerc, P. 08-343 [CDS], Clerc, P. 08-259 [CDS], Clerc, P. 08-323 [CDS], Clerc, P. 08-333 [CDS], Clerc, P. 08-338 [CDS], Clerc, P. 08-79 [CDS], Clerc, P. 08-177 [CDS], Clerc, P. 08-380 [CDS], Clerc, P. 08-255 [CDS], Clerc, P. 08-419 [CDS], Clerc, P. 08-87 [CDS], Clerc, P. 08-378 [CDS], Clerc, P. 08-409 [CDS], Clerc, P. 08-411 [CDS], Herrera-Campos, M.A. 10808 [CDS], Herrera-Campos, M.A. 10791 [CDS], Herrera-Campos, M.A. 10789 [CDS], Herrera-Campos, M.A. 10567 [CDS], Herrera-Campos, M.A. 10686 [CDS], Aptroot, A. 63430 A [CDS], Aptroot, A. 64561 [CDS], Aptroot, A. 63767 [CDS], Aptroot, A. 63319 B [CDS], Aptroot, A. 64136 [CDS], Aptroot, A. 65147 [CDS], Aptroot, A. 65655 [CDS], Aptroot, A. 63426 [CDS], Aptroot, A. 64566 B [CDS], Aptroot, A. 65418 [CDS], Aptroot, A. 65232 A [CDS], López, A. 651 [CDS], Nugra, F. 177 [CDS], Yánez-Ayabaca, A. 2026 [CDS], Clerc, P. 08-209 [CDS], Truong, C. 1385 [CDS], Truong, C. 1409 B [CDS], Aptroot, A. 65131 [CDS], Aptroot, A. 63430 B [CDS], Bungartz, F. 6746 [CDS], Truong, C. 1404 [CDS], J. Etayo 25342 [hb. Etayo], Etayo, J. 25500 [hb. Etayo], Etayo, J. 25891 [hb. Etayo]

Usnea rubiginea (Michx.) A. Massal.

[*Parmelia coralloidea var. rubiginea* (Michx.) Eschw., *Usnea barbata f. rubiginea* (Michx.) Meyen & Flot., *Usnea barbata subsp. rubiginea* (Michx.) Fink, *Usnea barbata var. rubiginea* Meyen & Flot., *Usnea ceratina f. rubiginea* (Michx.) Kremp., *Usnea florida f. rubiginea* (Michx.) Ach., *Usnea florida var. rubiginea* Michx., *Usnea strigosa subsp. rubiginea* (Michaux) I. Tav.]
problematic, name not resolved, no modern record; for the Galapagos Weber (1986: 487) called “reddish” Galapagos specimens *Usnea rubiginea*, a name that Elix & McCarthy (1998) generally assumed to refer to *U. rubicunda*, but Truong et al. (2011) found several other with a reddish orange cortical to subcortical pigmentation also to be present, though less common, source: Müller (1879)

Usnea rubricornuta Truong & P. Clerc

source: Truong et al. (2011)

Usnea sancta-eritae P. Clerc & Herrera-Camp.

source: Truong et al. (2013)

Usnea scabrida Taylor

[*Usnea barbata var. elegans* (Stirt.) Müll. Arg., *Usnea barbata var. scabrida* (Taylor) Müll. Arg., *Usnea dasypogoides var. elegans* (Stirt.) Müll. Arg., *Usnea elegans* Stirt., *Usnea florida f. elegans* (Stirt.) Vain., *Usnea florida var. elegans* (Stirt.) Zahlbr., *Usnea florida var. scabrida* (Taylor) Zahlbr., *Usnea scabrida subsp. elegans* (Stirt.) G.N. Stevens, *Usnea scabrida subsp. scabrida* Taylor, *Usnea scabrida subsp. tayloriana* G.N. Stevens]
problematic, no modern record, source: Müller (1879), Romeguère (1879), Zahlbruckner (1905)

Usnea silesiaca Motyka

[*Usnea madeirensis* Motyka]
source: Truong & Clerc (2016); Carlos Céron 33329 [INABIOEC-MECN-QCNE]

Usnea sphacelata R. Br.

[*Neuropogon sphacelatus* (R. Br.) D.J. Galloway, *Usnea melaxantha var. sphacelata* (R. Br.) Hook. f. & Taylor, *Usnea sulphurea var. sphacelata* (R. Br.) Vain.]
parasitized by *Endococcus apiciicola*, source: Etayo (2017); Erik Asplund 230 [UPS], E. Asplund 173 [O], E. Asplund 230 [US], Erik Asplund 1939-06-30 [LD], Asplund, E. 230 [CANB], E. Asplund 230 [S], Erik Asplund 230 [S], Erik Asplund 173 [S], Hans Meyer 1041 [S], Etayo, J. 20063 [hb. Etayo], Etayo, J. 20073 [hb. Etayo]

Usnea strigosa (Ach.) Eaton

[*Parmelia coralloidea var. strigosa* (Ach.) Eschw., *Usnea barbata f. strigosa* (Ach.) R. Howe, *Usnea barbata var. strigosa* (Ach.) Tuck., *Usnea ceratina f. strigosa* (Ach.) Kremp., *Usnea ceratina var. strigosa* (Ach.) Kremp., *Usnea florida f. strigosa* (Ach.) Vain., *Usnea florida var. strigosa* Ach., *Usnea hirta var. strigosa* (Ach.) Mereschk.]
source: Návas (1908), Nöske & Sipman (2004), Nöske et al. (2007)

Usnea subaranea Truong & P. Clerc

source: Truong & Clerc (2016), Gerlach et al. (2020)

Usnea subcomplecta Truong, P. Clerc & Herrera-Camp.

endemic to Galapagos, Holotype: Bungartz 8117 [CDS 40763], source: Bungartz et al. (2018); Bungartz, F. 7701 A [CDS], Bungartz, F. 8117 [CDS], Truong, C. 1182 [CDS], Spielmann, A.A. 10407 [CDS], Truong, C. 1156 [CDS], Aptroot, A. 65053 [CDS], Truong, C. 1186 [CDS], Truong, C. 1371 A [CDS], Truong, C. 1442 [CDS], Truong, C. 1447 [CDS], Truong, C. 1377 [CDS], Truong, C. 1337 [CDS], Truong, C. 1331 [CDS], Truong, C. 1333 [CDS], Truong, C. 1143 [CDS], Truong, C. 1199 [CDS], Truong, C. 1210 [CDS], Truong, C. 1389 [CDS], Truong, C. 1165 [CDS], Truong, C. 1450 [CDS], Truong, C. 1433 [CDS], Truong, C. 1434 [CDS], Truong, C. 1190 [CDS], Truong, C. 1140 [CDS], Truong, C. 1124 [CDS], Truong, C. 1157 [CDS], Truong, C. 1198 [CDS], Truong, C. 1142 [CDS], Truong, C. 1197 [CDS], Truong, C. 1435 [CDS], Truong, C. 1310 [CDS], Truong, C. 1164 [CDS], Truong, C. 1158 [CDS], Clerc, P. 08-119 [CDS], Clerc, P. 08-246 [CDS], Clerc, P. 08-86 A [CDS], Clerc, P. 08-26 [CDS], Clerc, P. 08-96 [CDS], Clerc, P. 08-100 [CDS], Clerc, P. 08-288 [CDS], Clerc, P. 08-212 [CDS], Clerc, P. 08-220 [CDS], Clerc, P. 08-260 [CDS], Clerc, P. 08-204 [CDS], Clerc, P. 08-182 [CDS], Clerc, P. 08-221 [CDS], Clerc, P. 08-82 [CDS], Clerc, P. 08-91 [CDS], Herrera-Campos, M.A. 10658 [CDS], Aptroot, A. 63331 [CDS], Aptroot, A. 65231 [CDS], Aptroot, A. 63319 D [CDS], Bungartz, F. 6793 B [CDS], Bungartz, F. 10241 [CDS], Bungartz, F. 10159 A [CDS], Spielmann, A.A. 10474 [CDS], Spielmann, A.A. 10458 [CDS], Ertz, D. 11855 A [CDS], Nugra, F. 1028 [CDS], Clerc, P. 08-81 B [CDS], Aptroot, A. 65561 [CDS], Clerc, P. 08-256 A [CDS], Truong, C. 1334 [CDS]

Usnea subcornuta Stirt.

source: Truong et al. (2011); Truong, C. 1131 [CDS], Clerc, P. 08-86 B [CDS], Truong, C. 1336 [CDS]

Usnea subdasaea Truong & P. Clerc

source: Truong et al. (2011); Bungartz, F. 7700 [CDS], Truong, C. 1194 [CDS], Truong, C. 1195 [CDS], Truong, C. 1432 [CDS], Truong, C. 1368 [CDS], Clerc, P. 08-181 A [CDS], Aptroot, A. 65232 B [CDS], Herrera-Campos, M.A. 10623 [CDS], Clerc, P. 08-219 A [CDS], Bungartz, F. 7655 D [CDS], Clerc, P. 08-92 [CDS], Clerc, P. 08-289 [CDS], Truong, C. 1416 A [CDS], Truong, C. 1367 [CDS], Truong, C. 1340 [CDS], Truong, C. 1426 [CDS], Truong, C. 1167 [CDS], Truong, C. 1338 [CDS], Truong, C. 1155 [CDS], Truong, C. 1116 [CDS], Truong, C. 1464 [CDS], Herrera-Campos, M.A. 10659 [CDS], Bungartz, F. 4043 B [CDS], Bungartz, F. 9839 [CDS], Bungartz, F. 10120 [CDS], Bungartz, F. 10140 [CDS], Bungartz, F. 9561 [CDS], Bungartz, F. 9987 [CDS], Nugra, F. 1038 [CDS], Nugra, F. 1072 [CDS], Nugra, F. 1037 [CDS], Yánez-Ayabaca, A. 1934 [CDS], Yánez-Ayabaca, A. 1763 [CDS], Spielmann, A.A. 10496 [CDS], Ertz, D. 11969 A [CDS], Bungartz, F. 6924 [CDS], Bungartz, F. 7483 [CDS], Bungartz, F. 7504 A [CDS], Clerc, P. 08-222 B [CDS], Herrera-Campos, M.A. 10871 A [CDS], Bungartz, F. 6747 [CDS]

Usnea subflammea P. Clerc

source: Truong et al. (2013)

Usnea subflaveola Truong & P. Clerc

source: Fernández-Prado et al. (2022)

Usnea subfloridana Stirton

[*Lichen comosus* Ach., *Usnea barbata var. comosa* (Ach.) Vain., *Usnea comosa* (Ach.) Röhl., *Usnea comosa f. comosa* (Ach.) Röhl., *Usnea comosa subsp. colorans* Asahina, *Usnea comosa subsp. comosa* (Ach.) Röhl., *Usnea comosa subsp. melanopoda* Asahina, *Usnea comosa subsp. similis* Motyka nom. inval., *Usnea comosa subsp. sordidula* Motyka, *Usnea comosa var. comosa* (Ach.) Röhl., *Usnea comosa var. similis* (Motyka) Erichsen, *Usnea comosa var. sordidula* (Motyka) Erichsen, *Usnea florida var. comosa* (Ach.) Vain., *Usnea hirta f. hirsutula* Stirt., *Usnea plicata f. comosa* (Ach.) Ach., *Usnea plicata var. comosa* (Ach.) Ach., *Usnea similis* Motyka ex Räsänen, *Usnea subfloridana var. melanopoda* (Asahina) D. Hawksw., *Usnea subfloridana var. similis* (Motyka) Oxner, *Usnea subfloridana var. sordidula* (Motyka) Oxner, *Usnea subfloridana var. subfloridana* Stirt.]
problematic, no modern record, source: Návas (1908, as *Usnea florida* var. *comosa*

Usnea subglabrata Truong & P. Clerc

source: Truong & Clerc (2016)

Usnea subgracilis Vain.

[*Usnea elongata* Motyka, *Usnea elongata f. elongata* Motyka, *Usnea elongata f. sorediifera* Rizzini, *Usnea hesperina* Motyka, *Usnea subplicata* (Vain.) Motyka]
source: Truong et al. (2013)

Usnea subscabrosa Motyka

source: Truong et al. (2013); Stalin Cáceres... 70 [INABIOEC-MECN-QCNE]

Usnea sulphurea Th. Fr.

[*Lichen sulphureus* J. König nom. illegit., *Usnea barbata var. sulphurea* Hook. f. & Taylor]
problematic, name not resolved, no modern record, source: Zahlbruckner (1905, 1907)

Vainionora

Vainionora aemulans (Vain.) Kalb

[*Lecanora aemulans* Vain.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2013c, 2020); Bungartz, F. 4320 [CDS], Aptroot, A. 65060 [CDS], Bungartz, F. 4017 [CDS]

Vainionora nugrae Bungartz & Elix

endemic to Galapagos, Holotype: Nugra 279 [CDS 33195], source: Bungartz et al. (2020); Nugra, F. 279 [CDS]

Varicellaria

Varicellaria velata (Turner) Schmitt & Lumbsch

[*Lichen velatus* (Turner) Sm. & Sowerby, *Parmelia velata* Turner, *Pertusaria santamonicae* Dibben, *Pertusaria velata* (Turner) Nyl., *Pertusaria velata f. velata* (Turner) Nyl., *Pertusaria velata subsp. velata* (Turner) Nyl., *Pertusaria velata var. velata* (Turner) Nyl., *Variolaria velata* (Turner) Ach.]
source: Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007); R. C. Harris 17203A [NY], R. C. Harris 17687 [NY]

Verrucaria

Verrucaria xyloxena Norman

[*Verrucaria melaenella* Vain.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, material confirmed by O. Breuss (2011); Aptroot, A. 64863 [CDS], Bungartz, F. 4335 [CDS]

Verruculopsis

Verruculopsis lecideoides (A. Massal.) Gueidan & Cl. Roux

[*Catapyrenium lecideoides* (A. Massal.) Arnold, *Catapyrenium lecideoides f. minutum* (A. Massal.) Arnold, *Catapyrenium lecideoides var. minutum* (A. Massal.) Arnold, *Dermatocarpon lecideoides* (A. Massal.) Zahlbr., *Lithoicea fraudulosa* (Nyl.) Flagey, *Lithoicea lecideoides* (A. Massal.) Flagey, *Lithoicea lecideoides var. minuta* (A. Massal.) Flagey, *Placopyrenium lecideoides* (A. Massal.) Gueidan & Cl. Roux, *Thrombium lecideoides* A. Massal., *Thrombium lecideoides var. lecideoides* A. Massal., *Thrombium lecideoides var. minutum* A. Massal., *Verrucaria fraudulosa* Nyl., *Verrucaria lecideoides* (A. Massal.) Trevis., *Verrucaria lecideoides f. lecideoides* (A. Massal.) Trevis., *Verrucaria lecideoides f. minuta* (A. Massal.) Körb., *Verrucaria lecideoides var. fraudulosa* (Nyl.) Clauzade & Cl. Roux, *Verrucaria lecideoides var. lecideoides* (A. Massal.) Trevis., *Verrucaria lecideoides var. minuta* Hepp, *Verrucaria minor* Breuss, *Verrucaria minuta* (A. Massal.) Zschacke nom. illegit., *Verrucaria minuta f. minuta* (A. Massal.) Zschacke, *Verrucula fraudulosa* (Nyl.) J. Steiner, *Verrucula lecideoides* (A. Massal.) J. Steiner, *Verrucula lecideoides f. minuta* (A. Massal.) J. Steiner, *Verruculopsis lecideoides var. fraudulosa* (Nyl.) Gueidan & Cl. Roux, *Verruculopsis lecideoides var. minuta* (A. Massal.) Cl. Roux nom. inval., *Verruculopsis minuta* (Hepp) Krzewicka nom. inval.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 5245 [CDS]

Vezdaea

Vezdaea aestivalis (Ohlert) Tscherm.-Woess & Poelt

[*Biatora aestivalis* (Ohlert) Lindau, *Catillaria byssacea* Vězda, *Lecidea aestivalis* Ohlert, *Pachyascus byssaceus* (Vězda) Vězda]
* = lichenicolous fungi (parasites on living lichens); on *Peltigera laciniata*, source: Etayo (2017); J. Etayo 19918 [hb. Etayo]

Vezdaea dawsoniae Döbbeler

* = lichenicolous fungi (parasites on living lichens); on *Sticta* sp., source: Etayo (2017); Etayo, J. 20114 [hb. Etayo]

Vezdaea foliicola Sérus.

source: Lücking (1999, 2008); R. Lücking 96-183 [WIS], R. Lücking 96-183 [F]

Vigneronia

Vigneronia spieri (Aptroot & Sparrius) Ertz & Bungartz

[*Schismatomma spieri* Aptroot & Sparrius]
Holotype: Aptroot 65014 [CDS 31595], source: Aptroot & Sparrius (2008), Ertz et al. (2014), Benítez (2016), Benítez et al. (2019); Bungartz, F. 6473 [CDS], Bungartz, F. 6257 [CDS], Bungartz, F. 6213 [CDS], Bungartz, F. 6023 [CDS], Bungartz, F. 5674 [CDS], Bungartz, F. 5673 [CDS], Bungartz, F. 6179 [CDS], Bungartz, F. 4632 [CDS], Ertz, D. 11635 [CDS], Ertz, D. 11676 [CDS], Ertz, D. 11681 [CDS], Bungartz, F. 4464 [CDS], Bungartz, F. 5337 [CDS], Bungartz, F. 4683 [CDS], Bungartz, F. 5303 [CDS], Bungartz, F. 5310 [CDS], Bungartz, F. 3862 [CDS], Bungartz, F. 4591 [CDS], Bungartz, F. 4630 [CDS], Bungartz, F. 6267 [CDS], Bungartz, F. 5311 [CDS], Bungartz, F. 5302 [CDS], Bungartz, F. 7186 [CDS], Bungartz, F. 9076 [CDS], Yánez-Ayabaca, A. 1715 [CDS], Bungartz, F. 5343 [CDS], Aptroot, A. 63238 [CDS], Yánez-Ayabaca, A. 2049 [CDS], Bungartz, F. 7194 [CDS], Nugra, F. 118 [CDS], Tehler, A. 8626 [CDS], Nugra, F. 102 [CDS], Nugra, F. 881 [CDS], Tehler, A. 8646 [CDS], Tehler, A. 8623 [CDS], Aptroot, A. 63229 [CDS], Bungartz, F. 6024 [CDS], Aptroot, A. 65629 [CDS], Bungartz, F. 9555 [CDS], Ertz, D. 11514 [CDS], Aptroot, A. 65610 [CDS], Benítez, A. 75 [HUTPL]

Violella

Violella fucata (Stirt.) T. Sprib.

[*Lecidea fucata* Stirt., *Megalospora fucata* (Stirt.) H. Olivier, *Mycoblastus fucatus* (Stirton) Zahlbr., *Mycoblastus sterilis* Coppins & P. James]
source: Nöske et al. (2007)

Waynea

Waynea cretica Llop

source: van den Boom et al. (2022)

Wetmoreana

Wetmoreana brouardii (B. de Lesd.) Wilk & Søchting

[*Caloplaca brouardii* (B. de Lesd.) Zahlbr., *Caloplaca brouardii var. brouardii* (B. de Lesd.) Zahlbr., *Fulgogasparrea brouardii* (B. de Lesd.) S.Y. Kondr., *Placodium brouardii* B. de Lesd.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Bungartz et al. (2020b); Bungartz, F. 4722 [CDS], Bungartz, F. 6638 [CDS], Aptroot, A. 65107 [CDS], Bungartz, F. 3580 [CDS], Bungartz, F. 4053 [CDS], Aptroot, A. 64015 [CDS], Clerc, P. 08-389 [CDS], Bungartz, F. 8681 [CDS], Herrera-Campos, M.A. GAL-488 [CDS], Yánez-Ayabaca, A. 301 [CDS], Aptroot, A. 63761 [CDS]

Wirthiotrema

Wirthiotrema glaucopallens (Nyl.) Rivas Plata, Kalb & Frisch

[*Thelotrema butuanum* Vain., *Thelotrema glaucopallens* Nyl., *Thelotrema glaucopallens var. glaucopallens* Nyl., *Thelotrema glaucopallens var. homopastoides* Vain., *Thelotrema homopastoides* Vain., *Thelotrema pechuelii* Müll.Arg.]
Klara Scharnagl 1954 [MSC], Klara Scharnagl 1994 [MSC], Klara Scharnagl 2178 [MSC], Klara Scharnagl 2195 [MSC], Klara Scharnagl 2197 [MSC]

Xanthomendoza

Xanthomendoza leoncita Bungartz & Søchting

endemic to Galapagos, Holotype: Bungartz 4417 [CDS 28502], source: Bungartz et al. (2020b); Bungartz, F. 4417 [CDS], Bungartz, F. 4449 [CDS], Aptroot, A. 64925 [CDS], Aptroot, A. 65669 [CDS], Aptroot, A. 64946 [CDS], Aptroot, A. 65301 [CDS], Weber, W.A. s.n. [CDS], Bungartz, F. 7903 [CDS]

Xanthomendoza mendozae (Räsänen) S.Y. Kondr. & Kärnefelt

[*Teloschistes mendozae* (Räsänen) Räsänen, *Xanthomendoza kashiwadanii* S.Y. Kondr. & Kärnefelt, *Xanthoria mendozae* Räsänen]
Lars & Annika Arvidsson 1983-07-12 [LD]

Xanthoparmelia

Xanthoparmelia arvidssonii T.H. Nash & Elix

Holotype GB, Arvidsson et al. 6218, source: Nash et al. (1995), Jørgensen & Arvidsson (2004); T.H. Nash III 6218 [ASU], T.H. Nash III 23798 [ASU], L. Arvidsson 6218 [ASU], Arvidsson, L.... 6218 [GB]

Xanthoparmelia camtschadalis (Ach.) Hale

[*Borrera camtschadalis* Ach., *Evernia camtschadalis* (Ach.) Mont., *Imbricaria camtschadalis* (Ach.) Jatta, *Parmelia camtschadalis* (Ach.) Eschw., *Parmelia camtschadalis f. camtschadalis* (Ach.) Eschw., *Parmelia camtschadalis var. camtschadalis* (Ach.) Eschw.]
problematic, no modern record, source: Leighton (1866)

Xanthoparmelia conspersa (Ehrh. ex Ach.) Hale

[*Imbricaria conspersa* (Ehrh. ex Ach.) DC., *Imbricaria conspersa f. conspersa* (Ach.) DC., *Lichen conspersus* Ehrh. ex Ach., *Lobaria conspersa* (Ehrh. ex Ach.) P. Gaertn., G. Mey. & Scherb., *Parmelia centrifuga var. conspersa* (Ehrh. ex Ach.) Schaer., *Parmelia conspersa* Ach., *Parmelia conspersa f. conspersa* (Ehrh. ex Ach.) Ach., *Parmelia conspersa subsp. conspersa* (Ehrh. ex Ach.) Ach., *Parmelia conspersa var. conspersa* (Ehrh. ex Ach.) Ach., *Pseudoparmelia conspersa*]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Spielmann, A.A. 10527 [CDS], Bungartz, F. 7610 [CDS], Spielmann, A.A. 10526 [CDS]

Xanthoparmelia cordillerana (Gyeln.) Hale

[*Parmelia cordillerana* Gyeln., *Parmelia etheridgensis* Elix]
source: Nash et al. (1995); R. M. King 74-180 [US]

Xanthoparmelia cotopaxiensis T.H. Nash, Elix & J. Johnst.

Holotype ASU, Nash 23847, source: Nash et al. (1987), Nash et al. (1995), Hale (1990); T.H. Nash III 23839-b [ASU], T.H. Nash III 23847 [ASU], L. Arvidsson 6219 [ASU], K. Kalb 16618 [WIS], K. Kalb 19358 [WIS], S. R. Gradstein... 116 [US], S. R. Gradstein... 116 [US], T. Nash 23,847 [US]

Xanthoparmelia farinosa (Vain.) T.H. Nash, Elix & J. Johnst.

[*Parmelia farinosa* Vain., *Parmelia farinosa f. farinosa* Vain., *Parmelia soredians f. farinosa* (Vain.) Gyeln.]
source: Nash et al. (1995), Hale (1990); T.H. Nash III 23808-b [ASU], T.H. Nash III 23825 [ASU], L. Arvidsson... 4533 [US], Bungartz, F. 7612 [CDS]

Xanthoparmelia ferraroiana T.H. Nash, Elix & J. Johnst.

source: Nash et al. (1995)

Xanthoparmelia lavicola (Gyelnik) Hale

[*Parmelia kurokawae* Hale, *Parmelia lavicola* Gyeln., *Xanthoparmelia kurokawae* (Hale) Hale]
source: Nash et al. (1995), Hale (1990)

Xanthoparmelia microspora (Müll. Arg.) Hale

[*Parmelia microspora* Müll. Arg.]
source: Müller (1879), Romeguère (1879), Hale (1990), Nash et al. (1995); T.H. Nash III 23785 [ASU], T.H. Nash III 23786 [ASU], T.H. Nash III 23794 [ASU], T.H. Nash III 23806 [ASU], T.H. Nash III 23817 [ASU], T.H. Nash III 23829 [ASU], T.H. Nash III 23833 [ASU], T.H. Nash III 23838 [ASU], T.H. Nash III 23859 [ASU], L. Arvidsson 5647 [ASU], Nash, T. 23785 [MIN], Richard C Harris 17442 [WIS], M. A. Solis 11338 [MICH], Richard C. Harris 17442 [MOR], L. Brako 5050 [US], W. A. Weber & J. Lanier L-62892 [US], R. M. King 74-68 [US], T. H. Nash 23817 [US], R. M. King 74-97 [US], R. M. King 74-46 [US], R. M. King 74-151 [US], R. M. King 74-116 [US], R. M. King 74-79 [US], R. M. King 74-17 [US], T. Nash 23,817 [US], T. Nash 23,794 [US]

Xanthoparmelia monastica T.H. Nash & Elix

native, indigenous; Bungartz, F. 7599 B [CDS], Bungartz, F. 7582 [CDS]

Xanthoparmelia mougeotii (Schaer.) Hale

[*Imbricaria mougeotii* (Schaer.) Flot., *Parmelia conspersa f. mougeotii* (Schaer. ex D. Dietr.) Leight., *Parmelia conspersa var. mougeotii* (Schaer. ex D. Dietr.) Leight., *Parmelia mougeotii* Schaer. ex D. Dietr., *Parmelia mougeotii f. mougeotii* Schaer., *Parmelia mougeotii var. mougeotii* Schaer.]
source: Nash et al. (1995), Hale (1990); L. Arvidsson 7038 [ASU], A. Aptroot & R. Hensen s.n. [US]

Xanthoparmelia neopropaguloides Hale

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, previosuly as *Xanthoparmelia congensis* (J. Steiner) Hale, but specimens have more slightly convex lobes, isidia are only initially globose, but with age become cylindrical and eventually even sparsely branched and are not erumpent; Bungartz, F. 7966 [CDS], Aptroot, A. 64474 [CDS], Aptroot, A. 64794 [CDS], Aptroot, A. 65000 [CDS], Ertz, D. 11752 [CDS], Bungartz, F. 7332 [CDS], Bungartz, F. 7013 [CDS], Bungartz, F. 7986 [CDS], Bungartz, F. 6496 [CDS]

Xanthoparmelia neowyomingica Hale

source: Nash et al. (1995); T.H. Nash III 23845 [ASU], T.H. Nash III 23856 [ASU], L. Arvidsson 6220 [ASU], L. Arvidsson 6219-b [ASU], T.H. Nash III 23845 [WIS], K. Kalb 19095 [WIS], K. Kalb 19096 [WIS]

Xanthoparmelia sipmanii T.H. Nash & Elix

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Bungartz, F. 7591 [CDS]

Xanthoparmelia stenophylla (Ach.) Ahti & D. Hawksw

[*Imbricaria conspersa f. stenophylla* (Ach.) Flot., *Imbricaria conspersa var. stenophylla* (Ach.) Jatta, *Parmelia centrifuga f. stenophylla* (Ach.) Wallr., *Parmelia centrifuga var. stenophylla* (Ach.) Rabenh., *Parmelia conspersa f. stenophylla* (Ach.) Schaer., *Parmelia conspersa β stenophylla* Ach., *Parmelia conspersa subsp. stenophylla* (Ach.) Hasse, *Parmelia conspersa var. stenophylla* Ach., *Parmelia polyphylloides f. somloensis* (Gyeln.) Gyeln., *Parmelia somloensis* Gyeln., *Parmelia somloensis f. somloensis* Gyeln., *Parmelia somloensis var. somloensis* Gyeln., *Parmelia stenophylla* (Ach.) Heugel, *Parmelia stenophylla f. stenophylla* Müll.Arg., *Parmelia stenophylla var. stenophylla* Müll.Arg., *Parmelia viriduloumbrina var. somloensis* (Gyeln.) Gyeln., *Xanthoparmelia somloensis* (Gyelnik) Hale]
source: Nash et al. (1987); T.H. Nash III 23787 [ASU], T. Nash 23,787 [US]

Xanthoparmelia subramigera (Gyelnik) Hale

[*Parmelia abstrusa var. subramigera* (Gyeln.) Gyeln., *Parmelia subramigera* Gyeln.]
so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous, source: Weber (1986), Nash et al. (1995), Elix & McCarthy (1998); Herrera-Campos, M.A. 10777 [CDS], Bungartz, F. 6723 [CDS], Aptroot, A. 65690 A [CDS], Bungartz, F. 7031 [CDS], Bungartz, F. 7214 [CDS], Bungartz, F. 7599 A [CDS], Jaramillo, P. 2833 [CDS], Herrera-Campos, M.A. 10579 [CDS], Herrera-Campos, M.A. 10741 [CDS], Herrera-Campos, M.A. 10903 [CDS], Bungartz, F. 9116 [CDS], Bungartz, F. 6721 [CDS], Clerc, P. 08-284 [CDS], Bungartz, F. 6634 [CDS], Bungartz, F. 6657 [CDS], Bungartz, F. 6948 [CDS], Bungartz, F. 4700 [CDS], Yánez-Ayabaca, A. 2098 [CDS], Jaramillo, P. 2899 B [CDS], Bungartz, F. 10149 [CDS], Aptroot, A. 65432 [CDS], Aptroot, A. 63086 [CDS], Bungartz, F. 8430 [CDS], Nugra, F. 480 [CDS], Nugra, F. 537 [CDS], Weber, W.A. s.n. [CDS], Bungartz, F. 9688 [CDS], Yánez-Ayabaca, A. 1920 [CDS], Bungartz, F. 5192 [CDS], Bungartz, F. 3657 [CDS], Bungartz, F. 4875 [CDS], Bungartz, F. 4775 [CDS], Aptroot, A. 64886 [CDS], Yánez-Ayabaca, A. 1819 [CDS], Aptroot, A. 64023 [CDS], Aptroot, A. 65169 [CDS], Aptroot, A. 64795 [CDS], Bungartz, F. 6497 [CDS], Bungartz, F. 7338 [CDS], Yánez-Ayabaca, A. 1627 [CDS], Bungartz, F. 4089 [CDS], Aptroot, A. 65619 [CDS], Aptroot, A. 65007 [CDS], Yánez-Ayabaca, A. 1705 [CDS], Bungartz, F. 5230 [CDS], Aptroot, A. 64473 [CDS], Aptroot, A. 63410 [CDS], Bungartz, F. 7721 [CDS], Bungartz, F. 6953 [CDS], Jaramillo, P. 2836 [CDS], Bungartz, F. 6778 [CDS], Bungartz, F. 7337 [CDS], Bungartz, F. 7774 [CDS], Bungartz, F. 9175 [CDS], Aptroot, A. 63087 A [CDS]

Xanthoparmelia subsorediata Hale

source: Nash et al. (1995), Hale (1990)

Xanthoparmelia subulcerosa T.H. Nash & Elix

Holotype GB, Arvidsson et al. 6611, source: Nash et al. (1995); T.H. Nash III 23784 [ASU], T.H. Nash III 23834 [ASU], T.H. Nash III 23808 [ASU], T.H. Nash III 23855 [ASU], L. Arvidsson 6611 [ASU]

Xanthoparmelia succedans Elix & J. Johnst.

source: Nash et al. (1995)

Xanthoparmelia ulcerosa (Zahlbr.) Hale

[*Parmelia soredians f. ulcerosa* (Zahlbr.) Gyeln., *Parmelia ulcerosa* Zahlbr.]
source: Hale (1990), Nash et al. (1995), Kirk (2010); T.H. Nash III 23788 [ASU], T.H. Nash III 23795 [ASU], T.H. Nash III 23800 [ASU], T.H. Nash III 23801 [ASU], T.H. Nash III 23808 [ASU], T.H. Nash III 23816 [ASU], T.H. Nash III 23828 [ASU], T.H. Nash III 23834 [ASU], T.H. Nash III 23839 [ASU], T.H. Nash III 23844 [ASU], L. Arvidsson 6606 [ASU], 16576 23,784 [OMA], T.H. Nash III 23808 [WIS], Richard C Harris 17798 [WIS], R. C. Harris 17791 [US], L. Arvidsson... 4522 [US], T. Nash 23,795 [US], T. Nash 23,807 [US], T. Nash 23,784 [US], T. Nash 23,788 [US], T. Nash 23,844 [US], Ertz, D. 11873 [CDS], Bungartz, F. 7615 [CDS], Erik Asplund 1939-06-09 [S], T. H. Nash 23816 [S]

Xanthoparmelia vagans (Nyl.) Hale

[*Endocarpon vagans* Nyl., *Parmelia conspersa var. vagans* (Nyl.) Nyl., *Parmelia molliuscula subsp. vagans* (Nyl.) Cretz., *Parmelia molliuscula var. vagans* (Nyl.) Nyl., *Parmelia stenophylla var. vagans* (Nyl.) Lettau, *Parmelia subvagans* Gyeln., *Parmelia taractica var. vagans* (Nyl.) Poelt & Vězda nom. inval., *Parmelia vagans* (Nyl.) Nyl., *Parmelia vagans f. vagans* (Nyl.) Nyl., *Parmelia vagans var. vagans* (Nyl.) Nyl.]
source: Nash et al. (1995), Hale (1990); T.H. Nash III 23797 [ASU], T.H. Nash III 23797 [WIS], K. Kalb 19097 [WIS], K. Kalb 19359 [WIS], PH00795178 [PH], T. Nash 23,797 [US], T. Nash 23,845 [US], K. & A. Kalb 1987-08-12 [LD]

Xanthoparmelia wildeae (C.W. Dodge) Hale

[*Parmelia wildeae* C.W. Dodge]
source: Nash et al. (1995); T.H. Nash III 23807 [ASU], T.H. Nash III 23818 [ASU], T.H. Nash III 23828-b [ASU], L. Arvidsson 4521 [ASU]

Xenonectriella

Xenonectriella angulospora (Etayo) F. Berger

[*Pronectria angulospora* Etayo]
* = lichenicolous fungi (parasites on living lichens); on *Heterodermia*, source: van den Boom et al. (2022); Etayo, J. 25520 [hb. Etayo]

Xenonectriella coppinsiana Etayo

* = lichenicolous fungi (parasites on living lichens); on *Yoshimuriella subdissecta*, Holotype QCA, Etayo 25445, source: Etayo (2003); Etayo, J. 25445 [hb. Etayo]

Xenonectriella dirinariae Etayo & van den Boom

* = lichenicolous fungi (parasites on living lichens); on *Dirinaria*, source: van den Boom et al. (2022)

Xenonectriella fissuriprodiens (Etayo) Etayo

[*Pronectria fissuriprodiens* Etayo]
Etayo, J. 20136 [hb. Etayo]

Xenonectriella leptaleoides (Etayo) Etayo

[*Pronectria leptaleoides* Etayo]
* = lichenicolous fungi (parasites on living lichens); on *Leptogium azureum*, *Leptogium burgessii*, *Leptogium foveolatum*,*Leptogium phyllocarpum*, and other species of *Leptogium* , source: Etayo (2017); J. Etayo 17264 [hb. Etayo], Etayo, J. 20150 [hb. Etayo], J. Etayo 25338 [hb. Etayo], Etayo, J. 25477 [hb. Etayo], Etayo, J. 25536 [hb. Etayo], J. Etayo 25552 [hb. Etayo], Etayo, J. 25824 [hb. Etayo], J. Etayo 26406 [hb. Etayo], Etayo, J. 26417 [hb. Etayo], J. Etayo 26659 [hb. Etayo], Etayo, J. & Palice, Z. 20150 [QCAM]

Xenonectriella rugulatispora Etayo

* = lichenicolous fungi (parasites on living lichens); on *Lobariella crenulata* and *L. pallida*, Holotype QCA, Etayo 25538, source: Etayo (2017); Etayo, J. 19939 [hb. Etayo], Etayo, J. 20121 [hb. Etayo], J. Etayo 20171 [hb. Etayo], Etayo, J. 25538 [hb. Etayo], Etayo, J. 25782 [hb. Etayo]

Xenonectriella streimannii (S.Y. Kondr.) Rossman

[*Pronectria streimannii* S.Y. Kondr.]
* = lichenicolous fungi (parasites on living lichens); on *Sticta weigelii, S. fuliginosa, Sticta* sp. and *Peltigera* sp., source: Etayo (2017); Etayo, J. 17305 [hb. Etayo], Etayo, J. 17318 [hb. Etayo], J. Etayo 19919 [hb. Etayo], Etayo, J. 19931 [hb. Etayo], Etayo, J. 20001 [hb. Etayo], Etayo, J. 20012 [hb. Etayo], Etayo, J. 20084 [hb. Etayo], Etayo, J. 23449 [hb. Etayo], Etayo, J. 25391 [hb. Etayo], Etayo, J. 25620 [hb. Etayo], Etayo, J. 25893 [hb. Etayo], Etayo, J. 26262 [hb. Etayo], Etayo, J. 26356 [hb. Etayo], Etayo, J. 26995 [hb. Etayo], Etayo, J. 27040 [hb. Etayo], Etayo, J. 25675 [hb. Etayo]

Xenonectriella subimperspicua (Speg.) Etayo

[*Nectria subimperspicua* Speg., *Pronectria subimperspicua* (Speg.) Lowen, *Xenonectriella subimperspicua var. subimperspicua* (Speg.) Etayo]
* = lichenicolous fungi (parasites on living lichens); on *Punctelia* sp., *Hypotrachyna* sp. and Parmeliaceae indeter., source: Etayo (2017); Etayo, J. 25465 [hb. Etayo], Etayo, J. 25495 [hb. Etayo], Etayo, J. 25685 [hb. Etayo]

Xenonectriella subimperspicua var. degenerans Etayo

* = lichenicolous fungi (parasites on living lichens); on *Parmotrema reticulatum* & *Parmotrema* sp., Holotype QCA, Etayo 25464, source: Etayo (2017); Etayo, J. 25453 [hb. Etayo], Etayo, J. 25454 [hb. Etayo], Etayo, J. 25464 [hb. Etayo]

Xenonectriella vertebrata Etayo

* = lichenicolous fungi (parasites on living lichens); on *Heterodermia barbifera*, *H. leucomelos*, *H. vulgaris*, Holotype QCA, Etayo 25348, source: Etayo (2017); Etayo, J. 19998 [hb. Etayo], J. Etayo 25348 [hb. Etayo], Etayo, J. 25468 [hb. Etayo], Etayo, J. 25680 [hb. Etayo], Etayo, J. & Palice, Z. 25348 [QCAM]

Xylographa

Xylographa parallela (Ach.:Fr.) Fr.

[*Hysterium abietinum* Pers., *Hysterium parallelum* (Ach.) Wahlenb., *Lichen parallelus* Ach., *Opegrapha parallela* (Ach.) Ach., *Placographa laricicola* (Nyl.) Sacc. & D. Sacc., *Stictis linearis* Cooke & Ellis, *Stictis parallela* (Ach.) Fr., *Xylogramma lineare* (Cooke & Ellis) Sacc., *Xylogramma parallelum* Wallr., *Xylographa abietina* (Pers.) Zahlbr., *Xylographa abietina abietina*, *Xylographa abietina f. abietina* (Pers.) Zahlbr., *Xylographa abietina f. atrata* Redinger, *Xylographa abietina var. abietina* (Pers.) Zahlbr., *Xylographa abietina var. degelii* (Räsänen) Makar., *Xylographa abietina var. elliptica* (Nyl.) Räsänen, *Xylographa abietina var. parallela* (Ach.) Redinger, *Xylographa abietina var. rubescens* (Räsänen) Degel., *Xylographa incerta* A. Massal., *Xylographa laricicola* Nyl., *Xylographa minutula* Körb., *Xylographa parallela var. sessitana* Bagl. in Arnold, *Xylographa scaphoidea* Stirt.]
Etayo, J. 25851 [hb. Etayo], Etayo, J. 25852 [hb. Etayo]

Yarrumia

Yarrumia coronata (Müll. Arg.) D.J. Galloway

[*Lobaria hirta* (Stirt.) Hellb., *Lobaria orygmaea* (Ach.) Trevis., *Lobaria urvillei* (C. Bab.) Trevis., *Pseudocyphellaria coronata* (Müll. Arg.) Malme, *Pseudocyphellaria durvillei* (Delise) Vain., *Pseudocyphellaria durvillei var. durvillei* (Delise) Vain., *Pseudocyphellaria hirta* (Stirt.) D.J. Galloway & P. James, *Pseudocyphellaria orygmaea* (Ach.) Malme, *Pseudocyphellaria orygmaea var. orygmaea* (Ach.) Malme, *Pseudocyphellaria orygmaea var. urvillei* (C. Bab.) Malme, *Sticta coronata* Müll.Arg., *Sticta durvillei* C. Bab., *Sticta durvillei f. durvillei* C. Bab., *Sticta durvillei var. durvillei* C. Bab., *Sticta endochrysa var. urvillei* (C. Bab.) Müll. Arg., *Sticta hirta* Stirt. nom. illegit., *Sticta orygmaea* Ach., *Sticta orygmaea var. orygmaea* Ach., *Sticta urvillei* C. Bab., *Sticta urvillei f. urvillei* C. Bab., *Sticta urvillei var. urvillei* C. Bab.]
problematic, only in Cevallos (2012), source: Cevallos (2012)

Yoshimuriella

Yoshimuriella corrosa (Ach.) Moncada & Lücking

[*Lobaria corrosa* (Ach.) Vain., *Lobaria dissecta var. corrosa* (Ach.) Malme, *Ricasolia corrosa* (Ach.) Nyl., *Sticta corrosa* (Ach.) Müll.Arg., *Sticta dissecta f. corrosa* (Ach.) Ach., *Sticta dissecta var. corrosa* Ach.]
problematic, no modern record, source: Leighton (1866), Müller (1879), Romeguère (1879)

Yoshimuriella dissecta (Sw.) B. Moncada & Lücking

[*Crocodia dissecta* (Sw.) Trevis., *Crocodia peltigera* (Delile) Trevis., *Lichen dissectus* Sw., *Lobaria dissecta* (Sw.) Raeusch., *Lobaria dissecta var. acharii* Zahlbr., *Platysma dissectum* (Sw.) Hoffm., *Ricasolia dissecta* Nyl., *Sticta dissecta* Laurer, *Sticta dissecta var. dissecta* (Sw.) Delise, *Sticta peltigera* Delise nom. illegit.]
source: Leighton (1866), Müller (1879), Romeguère (1879), Nöske et al. (2007), Benítez et al. (2012, 2015); Y. Mexía 7640B [F], Benítez, A. 448 [HUTPL]

Yoshimuriella fendleri (Tuck. & Mont.) Moncada & Lücking

[*Lobaria fendleri* (Tuck. & Mont.) Lindau, *Ricasolia fendleri* (Tuck. & Mont.) Nyl., *Sticta fendleri* Tuck. & Mont.]
source: Nöske et al. (2007)

Yoshimuriella peltigera (Vain.) Lücking & Moncada

[*Lobaria peltigera* (Delile) Vain., *Lobaria peltigera var. peltigera* (Delile) Vain.]
source: Nöske et al. (2007); J. Etayo 25603 [hb. Etayo], Etayo, J. 25638 [hb. Etayo]

Yoshimuriella subdissecta (Nyl.) Moncada & Lücking

[*Crocodia subdissecta* (Nyl.) Trevis., *Lobaria subdissecta* (Nyl.) Vain., *Ricasolia subdissecta* Nyl., *Sticta subdissecta* (Nyl.) Müll.Arg.]
parasitized by *Xenonectriella coppinsiana*, *Microsphaeropsis olivacea*, *Niesslia pseudocyphellariae*, *Dinemasporium strigosum*, *Periconia atra*, *Fellhanera stictae*, *Tremella lobariacearum*, *Didymocyrtis micropunctum* & *Phoma* aff. *peltigerae*, source: Müller (1879), Etayo (2017), Nöske & Sipman (2004), Nöske (2005), Nöske et al. (2007), Mittermeier (2015; as *Lobaria* cf. *subdissecta*), Benítez et al. (2012, 2015), Benítez (2016), Fernández-Prado et al. (2022); Benítez, A. 449 [HUTPL], Etayo, J. 25426 [hb. Etayo], Etayo, J. 25474 [hb. Etayo], Etayo, J. 25503 [hb. Etayo], Etayo, J. 25695 [hb. Etayo], Etayo, J. 25719 [hb. Etayo], Etayo, J. 25777 [hb. Etayo], Etayo, J. 25807 [hb. Etayo]

Zevadia

Zevadia peroccidentalis J.C. David & D. Hawksw.

* = lichenicolous fungi (parasites on living lichens); on *Usnea* sp., source: Etayo (2017); Etayo, J. 20071 [hb. Etayo], Etayo, J. 26345 [hb. Etayo]

Zhurbenkoa

Zhurbenkoa epicladonia (Nyl.) Flakus, Etayo, Pérez-Ortega & Rodr. Flakus

[*Arthonia epicladonia* (Nyl.) Alstrup & Zhurb., *Biatorina epicladonia* (Nyl.) Arnold, *Catillaria epicladonia* (Nyl.) H. Olivier, *Lecidea epicladonia* Nyl., *Scutula epicladonia* (Nyl.) Zopf]
* = lichenicolous fungi (parasites on living lichens); on *Cladonia chlorophaea* & *Cladonia* sp., source: Etayo (2017)

Zwackhia

Zwackhia bonplandii (Fée) Ertz

[*Graphis abbreviata* Spreng., *Opegrapha abbreviata* Chevall., *Opegrapha bonplandii* Fée, *Opegrapha bonplandii f. abbreviata* (Spreng.) Redinger, *Opegrapha bonplandii f. bonplandii* Fée, *Opegrapha bonplandii var. abbreviata* (Spreng.) Müll. Arg.]
Klara Scharnagl 1874 [MSC], Klara Scharnagl 1931 [MSC], Klara Scharnagl 2118 [MSC]

Zwackhiomyces

Zwackhiomyces cladoniae (Dodge) Diederich

[*Didymella cladoniae* C.W. Dodge]
* = lichenicolous fungi (parasites on living lichens); on *Cladonia confusa*, source: Etayo (2017)

Zwackhiomyces coepulonus (Norman) Grube & R. Sant.

[*Arthopyrenia coepulona* Norman]
* = lichenicolous fungi (parasites on living lichens); on *Xanthoria elegans*, source: Etayo (2017); Etayo, J. 23446 [hb. Etayo]

Zyzygomyces

Zyzygomyces bunodophori Diederich, Etayo & Palice

* = lichenicolous fungi (parasites on living lichens); on *Bunodophoron*, Holotype PRA, Palice 8397, source: Diederich et al. (2022)

Zyzygomyces leucodermiae Diederich, Millanes, Ertz, Etayo & Flakus

* = lichenicolous fungi (parasites on living lichens); on *Leucodermia*, source: Diederich et al. (2022); J. Etayo 25333 [hb. Etayo], Etayo, J. 25525 [hb. Etayo], Etayo, J. 25512 [hb. Etayo]

Zyzygomyces polyblastidii Diederich, Flakus, Etayo & Rodr. Flakus

* = lichenicolous fungi (parasites on living lichens); on *Polyblastidium*, source: Diederich et al. (2022); Etayo, J. 20137 [hb. Etayo]

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