Lichen-forming, Lichenicolous and Allied Fungi from Galapagos (Ecuador)

Includes taxa from following child checklists: **Red-List of Endemic Galapagos Lichens (draft assessments)**

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ABSTRACT: Lichen-forming, Lichenicolous and Allied Fungi from Galapagos (Ecuador):
This checklist includes all species (including subspecies, varieties, or forms) of lichen-forming fungi currently known from the Galapagos. The list further includes some fungi typically associated with lichens (lichenicolous fungi, i.e., fungi parasitic or parasymbiontic on lichens), or often treated by lichenologists even though they are not lichenized (i.e., allied fungi). The checklist is a result of the ongoing Galapagos Lichen Inventory, supported by the *Charles Darwin Foundation for the Galapagos Islands* (CDF) and the *Directorate of the Galapagos National Park* (DPNG). First versions of this checklists were successively published by the CDF dataZone. More recent updates are made available here as part of Ecuador's national biodiversity assessment program 'Biodiversidad Genética del Ecuador', led by the Instituto Nacional de Biodiversidad del Ecuador (INABIO). For all species included in this checklists we provide preliminary assessment of their origin. Examples of lichen species introduced to the islands as a result of human activities remain unknown and all species are here considered native. Most of these species are indigenous, i.e., native but not exclusively found in the archipelago only. Others are currently known only from the Galapagos; they may be considered endemic or in some cases questionably endemic. An assessment of their threat status using IUCN red-list criteria is currently under way.

Additional contributors to this Checklist include:
André Aptroot, Othmar Breuss, Philippe Clerc, Carolina Cornejo, Paul Diederich, Damien Ertz, Tassilo Feuerer, Marusa Herrera, Kerry Knudsen, James Lawrey, Robert Lücking, Bibiana Moncado, Christian Parrinello, Matthias Schultz, Harrie Sipman, Adriano Spielman, Ulrik Søchting, Anders Tehler, Leif Tibell, Camille Truong, William A. Weber, and Martin Westberg.

This is the **version #08** of this checklist.

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CDF Version #1 (2011-Jul-07)
CDF Version #2 (2012-Nov-18)
CDF Version #3 (2013-May-23)
CDF Version #4 (2013-Jun-06)
CDF Version #5 (2013-Sep-19)
CDF Version #6 (2013-Dec-03)
CDF Version #7 (2016-09-29)

Notes: **last updated 7 March 2023**

less detail

Families: 66
Genera: 222
Species: 791
Total Taxa: 795

Acantholichen

Acantholichen galapagoensis Dal-Forno, Bungartz & Lücking v

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]

Acarospora

Acarospora americana H. Magn. v

[*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. v

[*Lecanora chrysops* Tuck.]
native, indigenous, K. Knudsen: this taxon was misidentified in Elix & McCarthy (1998) as A. citrina and in Weber (1986) as A. schleicheri, source: Weber (1986); 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 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]

Actinoplaca

Actinoplaca strigulacea Müll.Arg.

native, indigenous

Aderkomyces

Aderkomyces papilliferus (Lücking) Lücking, Sérus. & Vězda

[*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]

Agonimia

Agonimia opuntiella (Buschardt & Poelt) A. Vězda

[*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]

Agonimia pacifica (H. Harada) Diederich

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

Agonimia tristicula (Nyl.) Zahlbr.

[*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.]
native, indigenous, source: Zahlbr. (1909); Bungartz, F. 8186 [CDS], Aptroot, A. 63136 [CDS], Aptroot, A. 65195 [CDS], Bungartz, F. 6542 [CDS], Aptroot, A. 63898 [CDS]

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*

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.]
native, indigenous, source: 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 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 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.]
native, indigenous; Moncada, B. 8467 [CDS]

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.]
native, indigenous; 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 macella (Kremp.) Lücking & Kalb

[*Graphina macella* (Kremp.) Müll. Arg., *Graphis macella* Kremp.]
native, indigenous; Dal-Forno, M. 1168 [CDS]

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

[*Graphis subchrysocarpa* Lücking, *Phaeographis ochracea* C.W. Dodge]
native, indigenous, In Weber (1993) as Phaeographina chrysocarpa, source: Bungartz et al. (2009), Weber (1993); 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.]
native, indigenous, source: 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 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 vestitoides (Fink) Lücking & Kalb

[*Graphina vestitoides* Fink, *Graphis vestitoides* (Fink) Staiger]
native, indigenous, source: Bungartz et al. (2009); 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 efflorescens (Müll. Arg.) Marbach

[*Buellia efflorescens* Müll.Arg., *Buellia efflorescens var. diminutiva* (Vain.) Imshaug, *Buellia efflorescens var. efflorescens* Müll.Arg.]
native, indigenous; 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 xylographella (Nyl.) Marbach

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

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 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 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 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.]
native, indigenous, source: Barr (1996); 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]

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.]
native, indigenous, source: Harris (1980); 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 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]

Arthonia

Arthonia antillarum (Fée) Nyl.

[*Catenata antillarum* (Fée) Bat., *Coniocarpon antillarum* Fée]
preliminary identification, 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; 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 cyanea Müll. Arg.

[*Arthoniopsis cyanea* (Müll. Arg.) Müll. Arg.]
native, indigenous; Bungartz, F. 7080 A [CDS]

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 follmanniana Diederich

* = lichenicolous fungi (parasites on living lichens); on *Roccella*, native, indigenous, problematic, name not resolved; only known from the type; Holotype KOELN 34537, source: Diedrich (1995), Elix & McCarthy (1998)

Arthonia nivea Willey

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

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 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 *Rhizophora 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 sanguinea Willey

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

Arthonia speciosa (Müll. Arg.) Grube

[*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]

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]

Arthothelium

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]

Aspidothelium

Aspidothelium cinerascens Vain.

[*Thelenella cinerascens* (Müll. Arg.) R.C. Harris]
native, indigenous; Ertz, D. 11726 [CDS], Bungartz, F. 7289 [CDS], Bungartz, F. 7311 [CDS], Bungartz, F. 4123 [CDS]

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 scutellicarpum Lücking

native, indigenous, F. Bungartz: in Weber (1986) erronously cited as Aspidophyllum fugiens; material Weber 285 (L-40433). The material was originally determined by Vezda, but with publication of Lücking (2008) the species concept has changed; the Galapagos specimens has perithecia with disk-like, dentate expansion and not setae or hairs and thus belongs to A. scutellicarpum., source: Weber (1986), Lücking (2008), Elix & McCarthy (1998)

Asterothyrium

Asterothyrium rotuliforme (Müll.Arg.) Serus.

[*Gyalectidium rotuliforme* Müll.Arg., *Lopadiopsis floridana* Zahlbr.]
native, indigenous; 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]

Astrothelium

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.]
native, indigenous, source: Aptroot et al. (2016); Aptroot, A. 64774 [CDS], Aptroot, A. 64905 [CDS], Aptroot, A. 65605 [CDS], Bungartz, F. 7829 [CDS], Bungartz, F. 8404 [CDS]

Astrothelium degenerans (Vain.) Aptroot & Lücking

[*Bathelium degenerans* (Vain.) R.C. Harris, *Pseudopyrenula degenerans* Vain., *Trypethelium degenerans* (Vain.) Zahlbr.]
native, indigenous, source: Aptroot et al. (2016); 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 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 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.]
native, indigenous, source: Aptroot et al. (2016); 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]

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]

native, indigenous, source: Aptroot et al. (2016); 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 tuberculosum (Vain.) Aptroot & Lücking v

[*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. v

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

native, indigenous, F. Bungartz & R. Miranda: According to Harris (1995) Trypethelium ochroleucum and Astrothelium variosolum are identical in all characters but their stromata formation; Trypethelium nitidiusculum is identical to Trypothelium ochroleucum in all characters but the presence of lichexanthone. According to Aptroot et al. (2016) all three species are distinct and treated in the genus Astrothelium., source: Aptroot et al. (2016), Harris (1995); Bungartz, F. 5815 [CDS], Bungartz, F. 4443 [CDS]

Aulaxina

Aulaxina opegraphina Fée v

native, indigenous; Rivas Plata, E. 4080 [CDS], Bungartz, F. 8786 [CDS], Spielmann, A.A. 8260 [CDS], Bungartz, F. 8784 [CDS]

Aulaxina quadrangula (Stirton) R. Sant. v

[*Platygrapha quadrangula* Stirt.]

native, indigenous; Bungartz, F. 7322 D [CDS], Bungartz, F. 8764 D [CDS], Bungartz, F. 9665 C [CDS]

Aulaxina submuralis Kalb & Vězda v

native, indigenous; Bungartz, F. 8765 B [CDS]

Bacidia

Bacidia heterochroa (Müll.Arg.) Zahlbr. v

[*Patellaria heterochroa* Müll.Arg.]

native, indigenous; 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 insularis Zahlbr. v

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 russeola (Kempelh.) Zahlbr. v

[*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]

Bacidina

Bacidina apiahica (Müll.Arg.) Vězda v

[*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)]

native, indigenous, source: Elix & McCarthy (1998), Weber (1986); 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]

Bacidina chloroticula (Nyl.) Vězda & Poelt v

[*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 delicata (Leighton) V. Wirth & Vězda v

[*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 pallidocarnea (Müll. Arg.) Vězda v

[*Bacidia pallidocarnea* (Müll.Arg.) Zahlbr., *Patellaria pallidocarnea* Müll.Arg.]

native, indigenous; Bungartz, F. 5008 D [CDS], Bungartz, F. 7321 C [CDS]

Bactrospora

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

[*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.]
native, indigenous, source: Aptroot & Sparrius (2008); 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.]
native, indigenous, source: Aptroot & Sparrius (2008); 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]

Biatoropsis

Biatoropsis usnearum Räsänen

* = lichenicolous fungi (parasites on living lichens); on *Usnea* spp., native, indigenous, 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]

Bogoriella

Bogoriella thelena (Ach.) Aptroot & Lücking

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

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.]
native, indigenous, F. Bungartz: the Galapagos material is densely diffusely sorediate across the entire thallus and therefore not B. leucoxantha s.str.; the specimen collected by Pike (COLO L-55433) examined by J. Hafellner 1983 identified as B. leucoxantha is also densely sorediate., source: Bungartz & et al. (2013c), Elix & McCarthy (1998), Weber (1986)

Bryonora

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)

Buellia

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 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: Weber, Lich. Exs. [Boulder (Colorado)] no. 344 (COLO), 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 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.]
native, indigenous, source: Elix & McCarthy (1998), Weber (1966, 1986)

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 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]

Bulbothrix

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 laevigatula (Nyl.) Hale

[*Parmelia hookeri* (Borrer) Spreng., *Parmelia laevigatula* Nyl.]
native, indigenous, source: Bungartz et al. (2013a), Elix & McCarthy (1998), Weber (1986); 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]

Byssoloma

Byssoloma chlorinum (Vain.) Zahlbr.

[*Pilocarpon chlorinum* Vain.]
native, indigenous; Nugra, F. 909 B [CDS]

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 leucoblepharum (Nyl.) Vain.

[*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.]
native, indigenous; 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]

Byssoloma minutissimum Kalb & Vězda

native, indigenous; Bungartz, F. 7082 A [CDS]

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

[*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.]
native, indigenous; Bungartz, F. 7320 C [CDS], Bungartz, F. 7326 B [CDS]

Byssoloma subdiscordans (Nyl.) P. James

[*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.]
native, indigenous, source: Weber (1986), Elix & McCarthy (1998); 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]

Byssoloma tricholomum (Mont.) Zahlbr.

[*Biatora tricholoma* Mont., *Bilimbia tricholoma* (Mont.) Fink]
native, indigenous, searched for specimen in COLO, but not found: COLO (L-63764), coll.: Lanier, in packet with Tapellaria epiphylla, det.: Vezda, source: Elix & McCarthy (1998), Weber (1986)

Calenia

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.

native, indigenous; Aptroot, A. 64263 B [CDS]

Calenia lobulata Lücking

native, indigenous; Bungartz, F. 7325 C [CDS]

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

[*Phlyctidium phyllogenum* Müll.Arg.]
native, indigenous; Bungartz, F. 10054 E [CDS]

Calicium

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]

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, Holotype: Bungartz 8489 [CDS 41135], 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.]
native, indigenous, source: Weber (1998; as *Lopadium foliicola*), Elix & McCarthy (1998); 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]

Calopadia fusca (Müll.Arg.) Vězda

[*Lopadium fuscum* Müll.Arg.]
native, indigenous, source: Elix & McCarthy (1998); 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]

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.]
native, indigenous; Bungartz, F. 7059 A [CDS], Bungartz, F. 7057 B [CDS], Bungartz, F. 8230 A [CDS], Spielmann, A.A. 8239 A [CDS]

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.]
native, indigenous; 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.]
native, indigenous, source: Elix & McCarthy (1998); 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.]
native, indigenous; 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 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 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]

Candelaria

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]

Canoparmelia

Canoparmelia caroliniana (Nyl.) Elix & Hale

[*Canoparmelia amabilis* Heiman & Elix, *Parmelia caroliniana* Nyl., *Pseudoparmelia caroliniana* (Nyl.) Hale]
native, indigenous, source: Elix & McCarthy (1998); 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

[*Parmelia sublaevigata var. texana* (Tuck.) Nyl., *Parmelia texana* Tuck., *Pseudoparmelia texana* (Tuck.) Hale]
native, indigenous; Aptroot, A. 65358 [CDS], Aptroot, A. 63230 [CDS]

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]

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.]
native, indigenous; 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 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]

Chaenotheca

Chaenotheca chloroxantha Tibell

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

Chaenothecopsis

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]

Chrysothrix

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.]
native, indigenous, In Weber (1986) as Chrysothrix candelaris, source: Bungartz et al. (2013c), Kalb (2001), Knudsen & Bungartz (2013), Benítez et al. (2019); 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]

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.]
native, indigenous, source: Ahti (2000), Elix & McCarthy (1998), Weber (1981, 1986), Yánez-Ayabaca et al. (2013); 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]

Cladonia

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.]

Cladonia arbuscula subsp. boliviana (Ahti) Ahti & DePriest

[*Cladina arbuscula subsp. boliviana* (Ahti) Ahti, *Cladina boliviana* (Ahti) Ahti, *Cladonia boliviana* Ahti]
native, indigenous, specimens in H and LSU: Isabela, Volcán Alcedo, 1970, Prichard s.n., source: Ahti (2000), Yánez-Ayabaca et al. (2013); Bungartz, F. 8338 [CDS]

Cladonia arcuata Ahti

[*Cladina arcuata* (Ahti) Ahti & Follmann]
native, indigenous, source: Weber (1986; *Cladina sandstedei*), Ahti (2000), Yánez-Ayabaca et al. (2013); 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]

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 cartilaginea Müll.Arg.

native, indigenous; Nugra, F. 240 [CDS], Bungartz, F. 3950 [CDS], Aptroot, A. 63161 [CDS]

Cladonia ceratophylla (Sw.) Spreng.

[*Imbricaria ceratophylla* (Sw.) Hepp]
native, indigenous, source: Ahti (2000), Dodge (1935), Elix & McCarthy (1998), Stewart (1912), Svenson (1935), Weber (1966, 1981,1986), Yánez-Ayabaca et al. (2013); 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]

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]

native, indigenous, Bungartz, F. : in Weber (1986) as Cladonia balfourii, see Yánez-Ayabaca et al. (2013), and Ahti (2000)., source: Ahti (2000), Weber (1981), Yánez-Ayabaca et al. (2013); 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]

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]

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.]

native, indigenous, Bungartz: distributed as exsiccate of *Cladonia polia* (Weber, Lich. Exs. 106; see Weber 1981; the correct spelling of the epithet is *pohlia*), synonymized by Ahti (2000) with *Cladina confusa* f. *bicolor*, source: Ahti (2000), Weber (1981), Yánez-Ayabaca et al. (2013); 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]

native, indigenous, Holotype of *Cladonia galapagosensis* Ahti: S, Blomberg, 1934, 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 corniculata Ahti & Kashiw.

native, indigenous, source: Ahti (2000), Elix & McCarthy (1998); 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.

native, indigenous, source: Ahti (2000), Yánez-Ayabaca et al. (2013); Bungartz, F. 8334 [CDS]

Cladonia corymbosula Nyl.

native, indigenous, fide annotations T. Ahti, 2010, source: Yánez-Ayabaca et al. (2013); Aptroot, A. 63384 [CDS], Aptroot, A. 65262 [CDS], Aptroot, A. 65721 [CDS]

Cladonia dactylota Tuck.

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

native, indigenous, In Weber (1986) as Cladonia subcariosa, fide A. Aptroot (pers. comm.), source: 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]

native, indigenous, source: Ahti (2000), Elix & McCarthy (1998), Weber (1986), Yánez-Ayabaca et al. (2013); 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 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]

native, indigenous, source: Yánez-Ayabaca et al. (2013); Aptroot, A. 63195 [CDS], Aptroot, A. 64651 [CDS], Herrera-Campos, M.A. 10700 [CDS], Bungartz, F. 8344 [CDS]

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*]

native, indigenous, 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: Ahti (2000), Yánez-Ayabaca et al. (2013), Weber (1986); 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 nana Vain.

native, indigenous, 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]

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 pulverulenta (L. Scriba) Ahti

native, indigenous, source: Yánez-Ayabaca et al. (2013); 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 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.]
native, indigenous, fide annotations T. Ahti, 2010 (new to Galapagos, range poorly known): CDS 31086, source: Yánez-Ayabaca et al. (2013); 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.]
native, indigenous; 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 scholanderi Abbayes

native, indigenous, In Weber (1986) as Cladonia sphacelata, fide A. Aptroot (pers. comm.), 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 sphacelata Vain.

native, indigenous; 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 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.]
native, indigenous, in Weber (1986) as *Cladonia subulata*, fide A. Aptroot (pers. comm.), source: Ahti (2000), Elix & McCarthy (1998), Yánez-Ayabaca et al. (2013); 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]

Cladonia subsquamosa Krempelh.

native, indigenous, source: Weber (1986), Yánez-Ayabaca et al. (2013); 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]

Cladophialophora

Cladophialophora parmeliae Etayo & Diederich

[*Sclerococcum parmeliae* Etayo & Diederich]
* = lichenicolous fungi (parasites on living lichens); on *Hypotrachyna*, *Normandina*, and *Parmotrema*, native, indigenous, source: Etayo (2017)

Coccocarpia

Coccocarpia delicatula Bungartz, Ziemmeck & Lücking

endemic to Galapagos, Holotype: Bungartz 8496 [CDS 41142], source: Lumbsch et al. (2011); Bungartz, F. 8496 [CDS], Bungartz, F. 6584 [CDS]

Coccocarpia domingensis Vain.

native, indigenous; 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]

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]
native, indigenous, 2 specimens in COLO: 40290, Santa Cruz, Stewart, 1912, det. Dodge 1935 & Santiago, Pike 2718, det. Arvidsson, source: Dodge (1935), Elix & McCarthy (1998), Weber et al. (1986); Bungartz, F. 9572 [CDS]

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.]

native, indigenous, source: Elix & McCarthy (1998), Weber (1986); 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]

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.]

native, indigenous, source: Svenson (1935); 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]

Coccocarpia prostrata Lücking, Aptroot & Sipman

native, indigenous; 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]

Coenogonium

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 geralense (P. Henn) Lücking

[*Ombrophila geralensis* Henn., *Orbilia geralensis* (Henn.) Rick]

native, indigenous; Bungartz, F. 7095 [CDS], Aptroot, A. 64269 B [CDS], Aptroot, A. 64336 [CDS], Bungartz, F. 7083 [CDS], Hillmann, G. GAL-41 [CDS]

Coenogonium interplexum Nyl.

native, indigenous; 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 isidiosum (Breuss) Rivas Plata, Lücking, Umaña & Chavez

[*Dimerella isidiosa* Breuss]

native, indigenous; 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 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]

native, indigenous; Aptroot, A. 63150 [CDS], Bungartz, F. 4067 [CDS], Aptroot, A. 65152 [CDS]

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 siquirrense (Lücking) Lücking

[*Dimerella siquirrensis* Lücking]

native, indigenous; Clerc, P. 08-21 [CDS], Bungartz, F. 10458 [CDS]

Coenogonium strigosum Rivas Plata, Lücking & Chaves

native, indigenous; 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; Nugra, F. 401 [CDS], Bungartz, F. 5607 [CDS]

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 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]

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 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]

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.]
native, indigenous, fide Elix & McCarthy (1998), Arthonia gregaria, fide Weber (1986): 488, source: Elix & McCarthy (1998), Weber (1966, 1986); 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]

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 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 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]

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 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)

Cresponea

Cresponea flava (Vain.) Egea & Torrente

[*Lecanactis flava* Vain.]
native, indigenous, source: Aptroot & Sparrius (2008); Bungartz, F. 5089 [CDS], Aptroot, A. 63030 [CDS], Aptroot, A. 65383 [CDS]

Crocodia

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]
native, indigenous, source: Hooker (1847), Farlow (1902), Dodge (1936), Andersson (1855), Weber (1966, 1986), Elix & McCarthy (1998), Benítez et al. (2015); 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]

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 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 striata Thor

native, indigenous, source: Bungartz et al. (2013b); 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]

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 unoquinoum Dal-Forno, Bungartz & Lücking

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

Dibaeis

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]

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; 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.]
native, indigenous; Bungartz, F. 6277 [CDS], Truong, C. 1266 [CDS]

Dictyographa

Dictyographa arabica Müll.Arg.

[*Opegrapha arabica* (Müll. Arg.) Vain.]
native, indigenous, source: Ertz & Tehler (2010); 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 barbatum Dal-Forno, Bungartz & Lücking v

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 darwinianum Dal-Forno, Bungartz & Lücking v

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 pectinatum Dal-Forno, Yánez & Lücking v

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 ramificans Dal-Forno, Yánez-Ayabaca & Lücking v

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 v

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]

Dimidiographa

Dimidiographa loandensis (Nyl.) Ertz & Tehler v

[*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 poitaei (Fée) Kalb, Staiger & Elix v

[*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.]
native, indigenous, In Weber (1986) as Graphina virginea, fide F. Bungartz 2008, source: Bungartz & et al. (2009); 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]

Diploicia

Diploicia glebosa (Tuck.) Bungartz, Elix & Kalb v

[*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 v

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

Diploicia neotropica Kalb, Elix & Bungartz v

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.]

native, indigenous; 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]

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 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.]

Diploschistes muscorum subsp. bartlettii Lumbsch

* = lichenicolous fungi (parasites on living lichens); on *Cladonia*, native, indigenous, source: Elix & McCarthy (1998), Lumbsch (1987); 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]

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.]

native, indigenous, source: Dodge (1936), Weber (1966), Elix & McCarthy (1998); 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.]

native, indigenous, according to A. Aptroot (pers. comm.) in Weber (1986) probably also as *Dirinaria leopoldii*, source: Weber (1986); 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 confusa D. D. Awasthi

native, indigenous, A. Aptroot (pers. comm.) suspects that Weber's specimens are misidentification of *Dirinaria aegialita*; however, TLC by K.Kalb & F. Bungartz confirms that the specimens have indeed been correctly identified as *D. confusa*, source: Weber (1986); 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

[*Physcia papillulifera* Nyl.]

native, indigenous; Aptroot, A. 63036 [CDS], Aptroot, A. 65407 [CDS], Bungartz, F. 3541 [CDS], Aptroot, A. 63228 [CDS]

Dirinaria picta (Sw.) Clem. & Schear

[*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.]

native, indigenous, source: Elix & McCarthy (1998), LeDee (2000); 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]

Dyplolabia

Dyplolabia afzelii (Ach.) A. Massal.

[*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.]

native, indigenous, source: Weber (1986), Bungartz et al. (2009); 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 epiphylla Fée

native, indigenous; Bungartz, F. 7094 B [CDS], Herrera-Campos, M.A. 10683 A [CDS], Bungartz, F. 8289 C [CDS]

Echinoplaca leucotrichoides (Müll.Arg.) R. Sant.

[*Calenia leucotrichoides* Vain.]
native, indigenous; 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]

Echinoplaca lucernifera Kalb & Vězda

native, indigenous; Bungartz, F. 8281 A [CDS], Bungartz, F. 9666 G [CDS], Bungartz, F. 9662 F [CDS]

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.]
native, indigenous; Bungartz, F. 8279 C [CDS]

Echinoplaca verrucifera Lücking

native, indigenous; 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]

Emmanuelia

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]

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.]
native, indigenous, F. Bungartz: previously already confirmed by Weber (1986), material confirmed by Breuss, but some specimens are Endocarpon pallidellum Ach., source: Elix & McCarthy (1998), Weber (1986); 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]

Enterographa

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.]
native, indigenous, source: Aptroot & Sparrius (2008); 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 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]

Erioderma

Erioderma mollissimum (Samp.) Du Rietz

[*Lobaria mollissima* Samp.]
native, indigenous; Aptroot, A. 65548 [CDS]

Erioderma sorediatum D. J. Galloway & P.M. Jørg.

native, indigenous, source: Elix & McCarthy (1998), Weber (1986); 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]

Eugeniella

Eugeniella ortizii (Lücking) Lücking, Sérus. & Kalb

[*Byssoloma ortizii* Lücking]
native, indigenous; Bungartz, F. 7308 [CDS]

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.]
native, indigenous; Aptroot, A. 63151 [CDS], Bungartz, F. 7321 B [CDS], Aptroot, A. 64313 [CDS]

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.]
native, indigenous

Fellhanera naevia (Vain.) Lücking & M. Cáceres

[*Bacidia naevia* Vain.]
native, indigenous; Bungartz, F. 7079 B [CDS]

Fellhanera parvula (Vězda) Vězda

[*Catillaria parvula* Vězda]
native, indigenous; 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.]
native, indigenous; Bungartz, F. 9385 D [CDS]

Fellhanera rubida (Müll. Arg.) Lücking

[*Bacidia rubida* (Müll.Arg.) Zahlbr., *Patellaria rubida* Müll.Arg.]
native, indigenous; Bungartz, F. 5005 A [CDS], Bungartz, F. 5015 C [CDS]

Fellhanera stanhopeae (Müll. Arg.) Lücking, Lumbsch & Elix

[*Bacidia stanhopeae* (Müll.Arg.) Zahlbr., *Badimia stanhopeae* (Müll.Arg.) Vězda, *Patellaria stanhopeae* Müll.Arg.]
native, indigenous, Santesson (1952) corrected the original epithet *stanhopiae* to *stanhopeae*; the epithet is based on the orchid genus *Stanhopea*, on which the type was found, and this name is sometimes mispelled *stanhopia*; 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]

Fissurina

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 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 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]

Flakea

Flakea papillata O. E. Erikss.

[*Agonimia papillata* (O.E. Erikss.) Diederich & Aptroot]
native, indigenous, syn.: *Psoroglaena cubensis* auct. non Müll. Arg., fide Elix & McCarthy (1998), source: Elix & McCarthy (1998), Muggia et al. (2009), Weber (1993); 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]

Flavoparmelia

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]

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]

Gassicurtia

Gassicurtia coccinea Fée

[*Buellia coccinea* (Fee) Aptroot]
native, indigenous; Ertz, D. 11966 [CDS], Bungartz, F. 7469 [CDS], Bungartz, F. 7472 [CDS]

Glyphis

Glyphis cicatricosa Ach.

[*Glyphis achariana* Tuck., *Glyphis confluens* Zenker, *Glyphis favulosa* Ach.]
native, indigenous, source: Bungartz et al. (2009), Elix & McCarthy (1998), Weber (1986); 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]

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]
native, indigenous, source: Bungartz et al. (2009); Aptroot, A. 63447 [CDS], Bungartz, F. 6484 [CDS], Bungartz, F. 9934 [CDS]

Gomphillus

Gomphillus hyalinus (Pat.) Lücking, Kalb & Vězda

[*Microstelium hyalinum* Pat.]
native, indigenous; Aptroot, A. 64847 [CDS], Aptroot, A. 65555 [CDS]

Graphis

Graphis anfractuosa Eschw.

[*Opegrapha anfractuosa* (Eschw.) Mont., *Scaphis anfractuosa* Eschw.]
native, indigenous, source: Bungartz et al. (2009); 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]

Graphis caesiella Vain.

native, indigenous, source: Bungartz et al. (2009), Elix & McCarthy (1998), Weber (1981, 1986); 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 cincta (Pers.) Aptroot

[*Opegrapha cincta* Pers.]
native, indigenous; 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 conferta Zenker

native, indigenous; Bungartz, F. 7552 [CDS], Bungartz, F. 7300 [CDS], Hillmann, G. GAL-9 [CDS]

Graphis crebra Vain.

native, indigenous, source: Bungartz et al. (2009); 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 dichotoma (Müll. Arg.) Lücking

[*Graphina dichotoma* Müll.Arg.]
native, indigenous, source: Bungartz et al. (2009); 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 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.]
native, indigenous, source: Bungartz et al. (2009); 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 intricata Fée

[*Opegrapha intricata* Mont.]
native, indigenous, source: Bungartz et al. (2009); 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.]
native, indigenous; Bungartz, F. 10527 [CDS]

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 oxyclada Müll.Arg.

native, indigenous; Bungartz, F. 8309 [CDS], Bungartz, F. 8302 [CDS]

Graphis paradisserpens Sipman & Lücking

native, indigenous; Bungartz, F. 8532 [CDS], Bungartz, F. 8539 [CDS]

Graphis pinicola Zahlbr.

native, indigenous; 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 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.]
native, indigenous; Rivas Plata, E. 4034 [CDS]

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]
native, indigenous; 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.]
native, indigenous, source: Elix & McCarthy (1998), Weber (1986); 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]

Gyalectidium imperfectum Vězda

native, indigenous; 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]

Gyalideopsis

Gyalideopsis aequatoriana Kalb & Vězda

native, indigenous; Aptroot, A. 64660 [CDS]

Gyalideopsis gigantea Kalb & Vězda

native, indigenous; Bungartz, F. 8268 [CDS]

Gyalideopsis napoensis Kalb & Vězda

native, indigenous; Aptroot, A. 63920 [CDS], Aptroot, A. 64227 B [CDS], Aptroot, A. 65249 [CDS], Aptroot, A. 65156 [CDS]

Gyalideopsis palmata Kalb & Vězda

native, indigenous, source: Kalb & Vězda (1994); Aptroot, A. 64661 [CDS], Aptroot, A. 65077 [CDS]

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 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 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.]
native, indigenous, source: Weber (1986), Elix & McCarthy (1998); 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]

Haematomma

Haematomma persoonii (Fée) A. Massal.

[*Lecanora persoonii* Fée]
native, indigenous, In Weber (1966, 1986) and Elix & McCarthy (1998) as Haematomma puniceum, fide A. Aptroot (pers. comm.), source: Elix & McCarthy (1998), Weber (1966, 1986); 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]

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.]
native, indigenous, source: Bungartz et al. (2013b); 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]

Heppia

Heppia despreauxii (Mont.) Tuck.

[*Anema dodgei* Herre, *Solorina despreauxii* Mont., *Solorinaria despreauxii* Mont.]
native, indigenous; Bungartz, F. 4308 [CDS], Aptroot, A. 64831 [CDS], Aptroot, A. 65138 [CDS]

Herpothallon

Herpothallon confluenticum Aptroot & Lücking

native, indigenous, source: Bungartz et al. (2013b); 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 echinatum Aptroot, Lücking & Will-Wolf

native, indigenous, source: Bungartz et al. (2013b); 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]
native, indigenous, source: Bungartz et al. (2013b, c); 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]

Herpothallon hyposticticum 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 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.]
native, indigenous, source: Bungartz et al. (2013b), Aptroot & et al. (2009), Dodge (1935, 1936), Elix & McCarthy (1998), Farlow (1902), LeDee (2000), Stewart (1912), Weber (1966, 1986); 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]

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]

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 antillarum (Vain.) Swinscow & Krog

[*Anaptychia granulifera var. antillarum* Vain., *Anaptychia tropica var. antillarum* (Vain.) Kurok.]
native, indigenous, source: Elix & McCarthy (1998), Weber (1986); 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 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.]
native, indigenous, source: Weber (1986), Elix & McCarthy (1998); 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]

Heterodermia diademata (Taylor) D. D. Awasthi

[*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.]
native, indigenous, F. Bungartz: wrongly keyed in Martins (2007); the species is fertile and has no vegetative propagules, source: Martins (2007); 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]

Heterodermia galactophylla (Tuck.) Culb.

[*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.]
native, indigenous, source: Miquel & Bungartz (2017); 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]

Heterodermia obscurata (Nyl.) Trevisan

[*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.]
native, indigenous; 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 podocarpa (Bél.) D.D. Awasthi

[*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.]
native, indigenous, source: Dodge (1936), Weber (1966), 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]

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.]
native, indigenous; Spielmann, A.A. 10471 [CDS]

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.]
native, indigenous; Aptroot, A. 65458 [CDS], Bungartz, F. 9831 [CDS]

Heterodermia squamulosa (Degel.) Culb.

[*Anaptychia squamulosa* Degel.]
native, indigenous, In Weber (1986) and Elix & McCarthy (1998) as Heterodermia lepidota, fide A. Aptroot (pers. comm.), source: Elix & McCarthy (1998), Weber (1986); 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 verrucifera (Kurok.) W.A. Weber

[*Anaptychia leucomelaena f. verrucifera* Kurok., *Heterodermia leucomelaena f. verrucifera* Kurok., *Heterodermia leucomelos f. verrucifera* Kurok.]
native, indigenous, source: Miquel & Bungartz (2017), Weber (1981); 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]

Huneckia

Huneckia wrightii (Tuck.) Arup, Søchting & Bungartz

[*Caloplaca hensseniana* Kalb, *Caloplaca neotropica* Wetmore, *Caloplaca wrightii* (Willey) Fink, *Placodium ferrugineum var. wrightii* Willey]
native, indigenous, source: 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]

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., *Pysciopsis 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.]
native, indigenous, in Weber (1986) as *Phaeophyscia hispidula*, fide A. Aptroot (pers. comm.), source: Dodge (1936), Weber (1966, 1986); Weber, W.A. 49 [CDS], Bungartz, F. 6977 [CDS], Bungartz, F. 9690 [CDS]

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 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 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 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]

Hypotrachyna

Hypotrachyna exsplendens (Hale) Hale

[*Parmelia exsplendens* Hale]
native, indigenous, source: Sipman et al. (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]

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]
native, indigenous; 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 isidiocera (Nyl.) Hale

[*Parmelia isidiocera* Nyl.]
native, indigenous, 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]

Hypotrachyna microblasta (Vain.) Hale

[*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.]
native, indigenous, source: Elix & McCarthy (1998), Weber (1986); 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]

Hypotrachyna minarum (Vain.) Krog & Swinsc.

[*Parmelia hubrichtii* E.C. Berry, *Parmelia minarum* Vain., *Parmelina minarum* (Vain.) Skorepa, *Parmelinopsis minarum* (Vain.) Elix & Hale]
native, indigenous; 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]

Hypotrachyna osseoalba (Vain.) Park & Hale

[*Hypotrachyna formosana* (Zahlbr.) Hale, *Parmelia formosana* Zahlbr., *Parmelia osseoalba* Vain.]
native, indigenous; 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]

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 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 vexans (Zahlbr. ex W.L. Culb. & C.F. Culb.) Divakar, A. Crespo, Sipman, Elix & Lumbsch

[*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.]
native, indigenous, source: Culberson & Culberson (1981), Elix & McCarthy (1998), Weber (1981, 1986); 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]

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]

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]

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 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]

Lecanactis

Lecanactis epileuca (Nyl.) Tehler

[*Lecanactis subattingens* (Nyl.) R.C. Harris, *Platygrapha subattingens* Nyl., *Schismatomma subattingens* (Nyl.) Zahlbr.]
native, indigenous; 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]

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 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

native, indigenous, source: Aptroot & Sparrius (2008); 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.]
native, indigenous, source: Aptroot & Sparrius (2008); 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 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.

[*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.]
native, indigenous, source: Elix & McCarthy (1998), Weber (1986), 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 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 floridula Lumbsch

native, indigenous, source: Guderley (1999), Bungartz et al. (2020); 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 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 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 leprosa Fée

native, indigenous, source: Elix & McCarthy (1998), Guderley (1999), Weber (1986), Bungartz et al. (2020); 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 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 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, Holotype: Weber & Lanier, 24-Apr-1976 [COLO 294539], 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

[*Lecanora conizaea f. strobilina* (Spreng.) H. Olivier, *Lecanora conizaea var. strobilina* (Spreng.) Flagey, *Lecanora strobilina* Ach. nom. illegit., *Lecanora strobilina* Ach., *Lecanora symmicta f. strobilina* (Spreng.) H. Olivier, *Lecanora varia f. strobilina* (Spreng.) Flagey, *Lecanora varia var. strobilina* (Spreng.) Th. Fr., *Parmelia strobilina* Spreng.]

native, indigenous, source: Bungartz et al. (2020); 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 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.

native, indigenous, F. Bungartz: Both chemotypes occur in Galapagos (previously only L. subimmersa ssp. subimmersa reported by Guderley 1999), source: Guderley (1999), Bungartz et al. (2020); Bungartz, F. 5229 [CDS], Nugra, F. 558 [CDS]

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

[*Lecanora sulphurescens* Fée]

native, indigenous, 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.

native, indigenous, source: Guderley (1999), Bungartz et al. (2020); 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]

Lecidella

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 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]

Leiorreuma

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 sericeum (Eschw.) Staiger

[*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.]
native, indigenous, source: Bungartz et al. (2009); 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]

Lepidocollema

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

[*Pertusaria commutata* Müll.Arg., *Pertusaria copiosa* Erichsen, *Variolaria commutata* (Müll. Arg.) Lendemer, R.C. Harris & A.M. Ruiz nom. inval.]
native, indigenous, source: Bungartz et al. (2015); 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

[*Marfloraea erythrella* (Müll. Arg.) S.Y. Kondr., Lőkös & Hur, *Pertusaria erythrella* Müll.Arg.]
native, indigenous, source: Bungartz et al. (2015); Ertz, D. 11856 [CDS]

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 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]

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 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 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 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 vouauxii (Hue) R.C. Harris

[*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]

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]

Leptogidium

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 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.]
native, indigenous, source: Bungartz (2008); 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]

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.]
native, indigenous, source: Weber (1981), Weber (1986), Elix & McCarthy (1998), Bungartz (2008), Miquel & Bungartz (2017); 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]

Leptogium javanicum (Mont. & Bosch) Mont.

[*Stephanophorus javanicus* Mont. & Bosch]
native, indigenous, source: Bungartz (2008); 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 marginellum (Sw.) Gray

[*Collema marginellum* (Sw.) Raeusch., *Leptogium marginellum var. marginellum* (Sw.) Gray, *Lichen marginellus* Sw., *Parmelia marginella* (Sw.) Ach.]
native, indigenous, source: Dodge (1936), Weber (1966, 1986), Elix & McCarthy (1998), LeDee (2000), Bungartz (2008); 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]

Leptogium milligranum Sierk

native, indigenous, source: Weber (1986), Elix & McCarthy (1998), 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]

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.]
native, indigenous, source: Bungartz (2008); 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]

Leptogium punctulatum Nyl.

[*Leptogium foveolatum* Nyl.]
native, indigenous, source: Bungartz (2008), Elix & McCarthy (1998), Weber (1981; as *Leptogium foveolatum*), Weber (1986); 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]

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]

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.]
native, indigenous; 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]
native, indigenous; 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]

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]
native, indigenous, Typification: Meyer 397; Meyer 399; Type from Ecuador, but typification not determined; distributed by Weber (1981) as *Heterodermia circinalis* (Weber, Lich. Exs. 504; see Weber 1981), source: Weber (1981; as *Heterodermia circinalis*); 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 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.]
native, indigenous, F. Bungartz: first reported from Galapagos by Hooker (1847) as *Borrera leucomelas* var. *filiformis* (Dix) Hook. f., source: Elix & McCarthy (1998), Farlow (1902), Hooker (1847), Miquel & Bungartz (2017), Stewart (1912), Weber (1986); Lawrence H. Pike 2621 [OSC], Lawrence H. Pike 2700 [OSC], W.A. Weber s.n. [WIS], 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], 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], Eriksson, John 1947-09-06 [GB], Eriksson, John 1947-09-06 [GB], Eriksson, John 1947-09-06 [GB], W. A. Weber... 1976-05-11 [LD], Gunnar Harling 5345b [S], Anders Tehler 8675 [S], Anders Tehler 8675 [S]

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]

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.]
native, indigenous; 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]

Lobariella

Lobariella exornata (Zahlbr.) Yoshim.

[*Durietzia exornata* (Zahlbr.) Yoshim., *Lobaria crenulata var. exornata* Zahlbr., *Lobaria exornata* (Zahlbr.) Yoshim., *Lobaria exornata var. exornata* (Zahlbr.) Yoshim.]
native, indigenous; López, A. 202 [CDS]

Loflammia

Loflammia epiphylla (Fée) Lücking & Vězda

[*Calopadia epiphylla* (Fée) Vězda, *Lecanora epiphylla* Fée, *Loflammia flammea* (Müll.Arg.) Vězda, *Lopadium flammeum* Müll.Arg.]
native, indigenous; Bungartz, F. 8630 A [CDS], Bungartz, F. 8629 A [CDS], Bungartz, F. 8627 A [CDS]

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 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]

Megalospora

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]

Melaspilea

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]

Milospium

Milospium graphideorum (Nyl.) D. Hawksw.

[*Coniothecium graphideorum* (Nyl.) Keissl., *Spilomium graphideorum* Nyl.]
* = lichenicolous fungi (parasites on living lichens); on *Arthonia*, native, indigenous, 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]

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]

native, indigenous; 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]

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]

Myriotrema

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*

Niesslia

Niesslia stictarum (Nannf. & R. Sant.) R. Sant. & Tretiach

[*Nitschkiopsis stictarum* Nannf. & R. Sant.]

* = lichenicolous fungi (parasites on living lichens); on *Sticta weigelii*, native, indigenous, source: Etayo (2017): Islas Galápagos, Isabela, volcán Sierra Negra, Parkplatz ob S. Tomás; kraterrand, 900-1000 m snm, auf *S. weigelii*, 29-XI-2008, F. Berger 23401 (hb. Berger).

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]

native, indigenous, source: Elix & McCarthy (1998), Weber (1986); 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]

Nyungwea

Nyungwea anguinella (Nyl.) Aptroot, in Aptroot & Cáceres

[*Chiodecton anguinellum* (Nyl.) Vain., *Enterographa anguinella* (Nyl.) Redinger, *Opegrapha anguinella* (Nyl.) Ertz & Diederich, *Stigmatidium anguinellum* Nyl.]

native, indigenous, source: Aptroot & Sparrius (2008); 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]

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 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]

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]

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 cactacearum Riedl

native, indigenous; 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 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.

native, indigenous; 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), preliminary identification, according to Etayo (2017) found on *Heterodermia* on the continent; the Galapagos specimen is identified as *Opegrapha* cf. *foreaui* on an unidentified lichen thallus, source: Etayo (2017); Aptroot, A. 63266 A [CDS]

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 trilocularis Müll.Arg.

native, indigenous; 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 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.]
native, indigenous; 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]

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]

Parmelinella

Parmelinella wallichiana (Taylor) Elix & Hale

[*Parmelia wallichiana* Taylor, *Parmelina wallichiana* (Taylor) Hale, *Pseudoparmelia wallichiana* (Taylor) Krog & Swinscow]
native, indigenous; Nugra, F. 70 A [CDS]

Parmotrema

Parmotrema cactacearum Bungartz & Spielmann

native, questionably endem., Holotype: Bungartz 5888 [CDS 33565], source: Bungartz & Spielmann (2019); Bungartz, F. 5888 [CDS]

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 conformatum (Vain.) Hale

[*Parmelia conformata* Vain.]
native, indigenous, source: Bungartz & Spielmann (2019), Elix & McCarthy (1998), Weber (1986); Aptroot, A. 64963 [CDS], Bungartz, F. 3914 [CDS], Bungartz, F. 4338 [CDS], Aptroot, A. 64572 [CDS], Bungartz, F. 8535 [CDS]

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 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); 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]

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.]
native, indigenous, source: Dodge (1936), Weber (1966, 1986) , Elix & McCarthy (1998), Bungartz & Spielmann (2019); 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]

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.]
native, indigenous, source: Bungartz & Spielmann (2019), Elix & McCarthy (1998), Weber (1981, 1986); 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 endosulphureum (Hillm.) Hale

[*Parmelia endosulphurea* (Hillmann) Hale, *Parmelia tinctoria var. endosulphurea* Hillmann]
native, indigenous, source: Bungartz & Spielmann (2019), Elix & McCarthy (1998), Weber (1986); 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]

Parmotrema erectociliatum Spielmann & Bungartz

endemic to Galapagos, Holotype: Weber, W.A. 403 [L-40540, COLO 192658], source: Bungartz & Spielmann (2019)

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 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 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

[*Parmelia internexa* Nyl.]
native, indigenous, source: 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

[*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

[*Parmelia mellissii* C.W. Dodge]
native, indigenous, source: Bungartz & Spielmann (2019); 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]

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 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]
native, indigenous, source: Bungartz & Spielmann (2019)

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]
native, indigenous, source: Weber (1986), Elix & McCarthy (1998), Bungartz & Spielmann (2019); 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]

Parmotrema saxoisidiatum Spielmann & Bungartz

endemic to Galapagos, 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]
native, indigenous, source: Bungartz & Spielmann (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]

Parmotrema tinctorum (Despr. ex Nyl.) Hale

[*Lichen chinensis* Osbeck, *Parmelia tinctorum* Despr. ex Nyl., *Parmotrema chinense* (Osbeck) Hale & Ahti]
native, indigenous, source: Dodge (1936), Weber (1966, 1981, 1986), Elix & McCarthy (1998), Bungartz & Spielmann (2019); 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]

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

native, indigenous, source: Bungartz & Spielmann (2019); Bungartz, F. 8211 [CDS], Herrera-Campos, M.A. 10587 [CDS]

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]

Peltigera

Peltigera dolichorhiza (Nyl.) Nyl.

[*Peltigera dolichorhiza f. pseudocrispoides* Gyeln., *Peltigera dolichorrhiza* (Nyl.) Nyl. [orthographic error], *Peltigera polydactylon f. dolichorhiza* Nyl.]
native, indigenous, source: Elix & McCarthy (1998), Weber (1986); 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]

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]

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 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 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]

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 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 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 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 tejocotensis B. de Lesd.

Pertusaria tejocotensis var. stictica A.W. Archer, Bungartz & Yánez-Ayabaca

endemic to Galapagos, Holotype: Bungartz 3608 [CDS27426], 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 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]
native, indigenous, source: Bungartz et al. (2015); 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]
native, indigenous, source: Bungartz et al. (2015); 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]

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 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]

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.]
native, indigenous; 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]

Phaeographis decipiens Müll.Arg.

native, indigenous; Bungartz, F. 7870 [CDS], Bungartz, F. 7904 [CDS], Bungartz, F. 7921 [CDS], Bungartz, F. 8262 [CDS]

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.]
native, indigenous, source: Bungartz et al. (2009), Elix & McCarthy (1998), Weber (1986); 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]

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 intricans (Nyl.) Vain.

[*Graphis intricans* Nyl., *Sarcographa intricans* (Nyl.) Müll. Arg.]
native, indigenous, source: Bungartz et al. (2009); 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]

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.]
native, indigenous, source: Bungartz et al. (2009); 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 punctiformis (Eschw.) Müll.Arg.

[*Graphis punctiformis* (Eschw.) Nyl., *Leiogramma punctiforme* Eschw.]
native, indigenous, source: Bungartz et al. (2009); 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]

Phaeographis striata Bungartz

endemic to Galapagos, Holotype: Bungartz 6606 [CDS 34826], source: Bungartz et al. (2015); Aptroot, A. 64870 [CDS], Bungartz, F. 6606 [CDS]

Phaeophyscia

Phaeophyscia hirsuta (Mereschk.) Essl.

[*Physcia hirsuta* Mereschk., *Physcia hirsuta var. echinella* Poelt, *Physcia hirsuta var. hirsuta* Mereschk.]
native, indigenous; Aptroot, A. 64941 [CDS]

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 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]

Phylloblastia

Phylloblastia inconspicua Lücking

so far only reported from the Galapagos, likely to also occur in mainland Ecuador, native, indigenous; Truong, C. 1209 [CDS]

Phyllopsora

Phyllopsora confusa Swinscow & Krog

native, indigenous; 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 intermediella (Nyl.) Zahlbr.

[*Lecidea intermediella* Nyl., *Psora intermediella* (Nyl.) Müll.Arg.]
native, indigenous; 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 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 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.]
native, indigenous; Bungartz, F. 5816 [CDS], Aptroot, A. 65746 [CDS]

Physcia

Physcia atrostriata Moberg

native, indigenous, source: Moberg (1990); 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 crispa Nyl.

[*Dimelaena crispa* (Nyl.) Trevis., *Physcia stellaris subsp. crispa* (Nyl.) Tuck.]
native, indigenous, source: Elix & McCarthy (1998); 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]

Physcia decorticata Moberg

native, indigenous; Bungartz, F. 5577 [CDS], Bungartz, F. 3474 [CDS], Bungartz, F. 9655 [CDS], Bungartz, F. 10043 [CDS], Bungartz, F. 10312 B [CDS]

Physcia erumpens Moberg

native, indigenous; 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 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.

native, indigenous, F. Bungartz: most specimens have a black lower side and thus belong to P. lobulata, but three specimens with white lower side recently discovered., source: Elix & McCarthy (1998), Weber (1986)

Physcia lopezii Moberg

native, indigenous

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 poncinsii Hue

native, indigenous; 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

native, indigenous; 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

[*Physcia integrata f. sorediosa* (Vain.) Müll. Arg., *Physcia integrata var. sorediosa* Vain.]
native, indigenous, source: Dodge (1936), Weber (1966, 1986), Elix & McCarthy (1998); 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]

Physcia undulata Moberg

native, indigenous; Aptroot, A. 64050 [CDS]

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]
native, indigenous; Aptroot, A. 64300 [CDS], Bungartz, F. 5807 [CDS], Bungartz, F. 5824 [CDS], Aptroot, A. 64293 [CDS]

Platythecium

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]

Plectocarpon

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]

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]
native, indigenous, Physcia crispa, fide Elix & McCarthy (1998), source: Elix & McCarthy (1998; as *Physcia crispa*), Weber (1986; as *Heterodermia albicans*); 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]

Polyblastidium casarettianum (A. Massal.) Kalb

[*Anaptychia casarettiana* A. Massal., *Heterodermia casarettiana* (A. Massal.) Trevisan]
native, indigenous; 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]

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]
native, indigenous, source: Elix & McCarthy (1998), Weber (1986); Bungartz, F. 3974 [CDS], Bungartz, F. 8788 [CDS]

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*]
native, indigenous; 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]

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]

Porina

Porina conspersa Malme

native, indigenous, F. Bungartz & R. Miranda: only one single fertile specimen in CDS, all others sterile and thus referred to P. distans (according to Lücking 2008)., source: Lücking (2008); 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 distans Vězda & Vivant

native, indigenous, F. Bungartz & R. Miranda: the sterile material with coralloid isidia most likely belongs to P. conspersa, but since no perithecia could be found treated here according to Lücking (2008) as P. distans., source: Lücking (2008); 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 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 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.]
native, indigenous; Yánez-Ayabaca, A. 1742 [CDS], Aptroot, A. 64703 [CDS], Bungartz, F. 4000 [CDS], Aptroot, A. 64251 [CDS]

Porina tetramera (Malme) R. Sant.

[*Phylloporina tetramera* Malme]
native, indigenous; 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]

Protoparmeliopsis

Protoparmeliopsis ertzii Bungartz & Elix

endemic to Galapagos, Holotype: Ertz 11813 [CDS 37172], source: Bungartz et al. (2020); Ertz, D. 11813 [CDS]

Pseudobogoriella

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 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.]
native, indigenous, source: Elix & McCarthy (1998), Weber (1993); Bungartz, F. 9441 [CDS], Aptroot, A. 65543 [CDS], Aptroot, A. 65544 [CDS], Aptroot, A. 65560 [CDS], Aptroot, A. 65061 A [CDS]

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 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.]
native, indigenous, problematic; according to Elix & McCarthy (1998) reported by Weber (1986) as *Pseudocyphellaria mougeotiana* var. *aurigera* with *Pseudocyphellaria xantholoma* as a synonym; all names currently not resolved, source: Dodge (1936), Weber (1966, 1986), Elix & McCarthy (1998), Galloway & Arvidsson (1990)

Pseudocyphellaria dozyana (Mont. & Bosch) D.J. Galloway

[*Saccardoa dozyana* (Mont. & Bosch) Trevis., *Sticta dozyana* Mont. & Bosch, *Stictina dozyana* (Mont. & Bosch) Nyl.]
native, indigenous, 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]

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]
native, indigenous; 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]

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]
native, indigenous, according to Elix & McCarthy (1998) reports of *Pseudopyrenula subgregaria* by Weber (1993) belong here, source: Weber (1993; as *Pseudopyrenula subgregaria*), Elix & McCarthy (1998); 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]

Pseudosagedia

Pseudosagedia atrocoerulea (Müll. Arg.) Hafellner & Kalb

[*Phylloporina atrocoerulea* (Müll.Arg.) Müll.Arg., *Porina atrocoerulea* Müll.Arg.]
native, indigenous; 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]
native, indigenous; 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]

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.]
native, indigenous, source: Bungartz et al. (2013c); Aptroot, A. 65143 [CDS]

Psora

Psora nipponica (Zahlbr.) Gotth. Schneider

[*Lecidea nipponica* Zahlbr., *Lecidea novomexicana* (B. de Lesd.) R.A. Anderson, *Psora novomexicana* B. de Lesd.]
native, indigenous, specimen in COLO (L-44020), Cavagnaro s.n., Pinzón, det. by E. Timdal, 1990 as *Toninia novomexicana* nom. nud., source: Elix & McCarthy (1998)

Psoroglaena

Psoroglaena cubensis Müll.Arg.

native, indigenous; 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 stigonemoides (Orange) Henssen

[*Leucocarpia stigonemoides* (Orange) Hafellner & Kalb, *Macentina stigonemoides* Orange]
native, indigenous; Aptroot, A. 63820 [CDS], Aptroot, A. 65552 [CDS]

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]

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 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.]

native, indigenous, specimen in COLO: Itow (L-40634), det. Aptroot, 1991; specimens in CDS identified by Aptroot as *P. aspistea* were misidentifications of *Pyrenula costaricensis* according to annotations by R. Miranda, 2010, source: synonyms in Aptroot (2012), Elix & McCarthy (1998), Weber (1993); 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 breutelii (Müll.Arg.) Aptroot

[*Anthracothecium breutelii* Müll.Arg., *Anthracothecium maculare* Zahlbr., *Pyrenula macularis* (Zahlbr.) R.C. Harris]

native, indigenous, in Weber (1986) probably as *Anthracothecium leucostomum*, fide A. Aptroot (pers. comm.), source: synonyms in Aptroot (2012); 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.

native, indigenous, species not included in the key by Aptroot (2012), only listed as accepted in the appendix, source: synonyms in Aptroot (2012), Elix & McCarthy (1998), Farlow (1902), Weber (1966, 1986); 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 cocoes Müll.Arg.

native, indigenous, synonyms in Aptroot (2012), F. Bungartz & R. Miranda: most previous reports were based on misidentifications, but two specimens belong to *P. cocoës*, source: Elix & McCarthy (1998), Weber (1993); Aptroot, A. 64686 [CDS], Aptroot, A. 63218 A [CDS]

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 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.]

native, indigenous, synonyms in Aptroot (2012); Bungartz, F. 6903 [CDS], Aptroot, A. 64662 [CDS], Aptroot, A. 63178 [CDS], Nugra, F. 63 [CDS],

Bungartz, F. 7548 [CDS]

Pyrenula erumpens R.C. Harris

[*Parathelium emergens* Nyl. ex Müll. Arg.]
native, indigenous, synonyms in Aptroot (2012); specimen in COLO: Santa Cruz, on *Pisonia*, Itow (L-40623), det. Aprtoot, 1991, source: Elix & McCarthy (1998), Weber (1993); Aptroot, A. 64638 [CDS]

Pyrenula fetivica (Krempelh.) Müll.Arg.

[*Pyrenula citriformis* R.C. Harris, *Pyrenula sandwicensis* Zahlbr., *Pyrenula subcongruens* Müll.Arg., *Verrucaria fetivica* Kremp.]
native, indigenous, synonyms in Aptroot (2012); Bungartz, F. 4989 [CDS]

Pyrenula massariospora (Starbäck) R.C. Harris

[*Clypeosphaeria massariospora* Starbäck, *Pseudopyrenula majuscula* H. Magn., *Starbaeckiella massariospora* (Starbäck) Syd. & P. Syd.]
native, indigenous, synonyms in Aptroot (2012); 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 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]
native, indigenous, synonyms in Aptroot (2012); 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.]
native, indigenous, 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: Elix & McCarthy (1998), Stewart (1912), Weber (1966, 1986); synonyms in Aptroot (2012); 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]

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 quassiicola Fée

[*Pyrenula quassiaecola* Fée [erroneous spelling], *Trypethelium papillatum* C. Knight]
native, indigenous, synonyms in Aptroot (2012); 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]

Pyrgidium

Pyrgidium montellicum (Beltr.) Tibell

[*Acolium montellicum* Beltr., *Cyphelium montellicum* (Beltr.) Trevis., *Cyphelium sessile var. montellicum* (Beltr.) Keissl., *Pyrgillus caliciisporus* F. Wilson]
native, indigenous; 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]
native, indigenous, source: Weber (1986), Elix & McCarthy (1998); 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]

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.]
native, indigenous, source: Weber (1986); 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]

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 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.]
native, indigenous; 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 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 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 darwiniana Aptroot & Bungartz

endemic to Galapagos, 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., Holotype: Aptroot 64433 [CDS 31001]; 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 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 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.]

native, indigenous, source: Landrón (1972), Aptroot & Bungartz (2007), Elix & McCarthy (1998), Weber (1981, 1986); 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]

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 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]

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.]
native, indigenous; Aptroot, A. 65300 [CDS], Aptroot, A. 64930 [CDS]

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)

Remototrachyna

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]
native, indigenous, source: Elix & McCarthy (1998), Weber (1986); Aptroot, A. 65318 [CDS], Aptroot, A. 63172 [CDS], Aptroot, A. 63790 [CDS], Aptroot, A. 64506 [CDS]

Rinodina

Rinodina colobinoides (Nyl.) Zahlbr.

[*Lecanora colobinoides* Nyl., *Rinodina sipmanii* Aptroot]
native, indigenous, source: Bungartz et al. (2016); Aptroot, A. 65451 [CDS]

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 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

native, indigenous, source: Bungartz et al. (2016); 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. & Lökös, *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 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, 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.]

native, indigenous, two collections in FH (Baur sn. FH 197350 and FH 197352, both collections from Floreana) identified as *Roccella intricata* Mont. are misidentifications of *R. gracilis*; A Tehler: *Roccella intricata* Mont. (= *Roccellaria mollis* (Hampe) Zahlbr.) is the type for the name *Roccellaria* Dar.; there is only one species in the genus and it is endemic to Chile; specimens from Galapagos are misidentifications, source: Darbishire (1935), Dodge (1935, 1936), Elix & McCarthy (1998), Farlow (1902), Stewart (1912), Tehler (2002), Tehler et al. (2009), Weber (1966, 1981, 1986); 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 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, Type of *Roccella nigerrima* [= *Roccellodea nigerrima*]: Ecuador. Galápagos: exact locality unknown, 1872, Hill s.n. [FH – lectotype selected by Tehler (2007)]; holotype of *Roccella kappeniana*: COLO 190244; holotype of *Roccella stipitata*: TFMC 6595; holotype of *Roccella translucida*: COLO 190168, 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]

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], 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 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.]

native, indigenous, source: Bungartz et al. (2009); Bungartz, F. 4889 [CDS], Yánez-Ayabaca, A. 1492 [CDS], Bungartz, F. 9853 [CDS], Bungartz, F. 9935 [CDS]

Schistophoron

Schistophoron tenue Stirt.

native, indigenous, source: Elix & McCarthy (1998), LeDee (2000), Tehler et al. (2009), Weber (1981, 1986); 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]

Schistophoron variabile Tibell

native, indigenous; 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]

Sclerophyton

Sclerophyton vertex Sparrius

native, indigenous, source: Aptroot & Sparrius (2008); 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]

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.]
native, indigenous; Aptroot, A. 63345 [CDS]

Septotrapelia

Septotrapelia usnica (Sipman) Kalb & Bungartz

[*Lepraria usnica* Sipman, *Nelsenium usnicum* (Sipman) Lendemer]
native, indigenous, 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]

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.]
* = lichenicolous fungi (parasites on living lichens); on *Haematomma perssonii*, native, indigenous, source: Etayo (2017); 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]
* = lichenicolous fungi (parasites on living lichens); on *Pertusaria darwiniana*, source: Etayo (2017); Bungartz, F. 5897 [CDS], Spielmann, A.A. 10757 [CDS]

Sporopodium

Sporopodium citrinum (Zahlbr.) Elix, Lumbsch & Lücking

[*Lopadium citrinum* Zahlbr., *Sporopodium leprieurii var. citrinum* (Zahlbr.) R. Sant.]
native, indigenous; Bungartz, F. 8625 B [CDS], Bungartz, F. 8288 C [CDS], Aptroot, A. 64710 [CDS]

Sporopodium leprieurii Mont.

native, indigenous, source: Elix & McCarthy (1998), Weber (1986); Bungartz, F. 7058 C [CDS]

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]

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]

Stereocaulon

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 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 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 arbuscula Moncada & Lücking

native, indigenous; Aptroot, A. 64695 A [CDS]

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 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.]
native, indigenous, source: Weber (1986), Elix & McCarthy (1998), McDonald et al. (2003)

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 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.]
native, indigenous, in Stewart (1912) as *Sticta quercizans*, fide Weber (1966); in Weber (1966) as *Sticta weigelii* var. *peruviana*; Elix & McCarthy (1998) also consider *S. quercizans* a synonym, source: Elix & McCarthy (1998), Farlow (1902), Stewart (1912; as *Sticta quercizans*), Svenson (1935), Weber (1966, 1986); Bungartz, F. 8000 A [CDS], Bungartz, F. 10960 A [CDS]

Strigula

Strigula nitidula Mont.

[*Haploblastia nitidula* (Mont.) Trevis.]
native, indigenous, Specimen in COLO: Santa Cruz: on leaves of Eugenia jambos, along trail to Horneman place just above Bellavista, 64131 p.p. (with Byssoloma subdiscordans), det. Vezda; F. Bungartz: specimen not seen!, source: Elix & McCarthy (1998), Weber (1986); 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 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.]
native, indigenous; Aptroot, A. 64712 [CDS]

Strigula schizospora R. Sant.

native, indigenous; 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]

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.]
native, indigenous, F. Bungartz & R. Miranda: specimen material identified by R. Lücking is very poor; Rivas Plata, E. 4095 A [CDS]

Strigula subtilissima (Fée) Müll. Arg.

[*Racoplaca subtilissima* Fée]
native, indigenous, Specimen in COLO: Santa Cruz: on leaves of Eugenia jambos, along trail to Horneman place just above Bellavista, 64131 p.p. (with Byssoloma subdiscordans), det. Vezda, F. Bungartz: specimen not seen!, source: Elix & McCarthy (1998), Weber (1986)

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]

Swinscowia

Swinscowia obtecta (Vain.) S.H. Jiang, Lücking & Sérus. v

[*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 v

[*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]
native, indigenous, source: Aptroot & Sparrius (2008); 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 v

[*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 graphica (Fries) Tehler v

[*Chiodecton perplexum* Nyl., *Glyphis graphica* Fr.]
native, indigenous, In Weber (1986) as Chiodecton myrticola, fide A. Aptroot (pers. comm.), source: Tehler (1997), Aptroot & Sparrius (2008), Weber (1986); 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]

Syncesia leprobola Nyl. ex Tehler v

[*Chiodecton leprobolum* Nyl. nom. nud.]
native, indigenous, source: Aptroot & Sparrius (2008), Bungartz et al. (2013), Weber (1986), Tehler (1997); 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.]
native, indigenous, In Weber (1986) as Chiodecton effusum, fide A. Aptroot (pers. comm.), source: Aptroot & Sparrius (2008), Weber (1986); 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]

Taeniolella

Taeniolella arthoniae (M.S. Christ. & D. Hawksw.) Heuchert & U. Braun v

[*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]

Tapellaria

Tapellaria albomarginata Lücking v

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.]
native, indigenous, source: Elix & McCarthy (1998), Weber (1986); 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.

native, indigenous; Nugra, F. 216 [CDS], Aptroot, A. 64532 [CDS]

Tapellaria nana (Fée) R. Sant.

[*Lecanora nana* Fée]
native, indigenous; 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]

Tapellaria nigrata (Müll.Arg.) R. Sant.

[*Bacidia rufula var. nigrata* (Müll.Arg.) Zahlbr., *Patellaria rufula var. nigrata* Müll.Arg.]
native, indigenous, source: Elix & McCarthy (1998), Weber (1986); 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.

[*Lecidea phyllophila* Stirt., *Lopadium phyllophilum* (Stirt.) Müll. Arg.]
native, indigenous; Nugra, F. 525 [CDS]

Teloschistes

Teloschistes chrysophthalmus (L.) Th. Fr.

[*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.]
native, indigenous, source: 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 flavicans (Sw.) Norman

[*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]
native, indigenous, source: Farlow (1902) , Stewart (1912), Dodge (1936), Weber (1966, 1981, 1986), Elix & McCarthy (1998), LeDee (2000), Bungartz (2020b); 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]

Tephromela

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 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.]
questionable, problematic; only a single specimen ever collected by F. Nugra in the highlands of Santa Cruz; the species was not found again despite intensive surveys of the area; Nugra, F. 446 [CDS]

Thelenella

Thelenella fugiens (Müll. Arg.) R.C. Harris

[*Aspidothelium fugiens* (Müll.Arg.) R. Sant., *Lecania fugiens* Müll.Arg.]
native, indigenous, F. Bungartz: in Weber (1986) erronously cited as *Aspidophyllum fugiens*; material Weber 285 (L-40433). The material was originally determined by Vezda, but with publication of Lücking (2008) the species concept has changed; the Galapagos specimens has perithecia with disk-like, dentate expansion and not setae or hairs and thus belongs to A. scutellicarpum; however, in 2014 the species was discovered growing on leaves (Bungartz, F. 7088 A), source: Weber (1986), Elix & McCarthy (1998), Lücking (2008); Bungartz, F. 7088 A [CDS]

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.]
native, indigenous; Aptroot, A. 64832 [CDS]

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 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 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]

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.]
native, indigenous, source: Elix & McCarthy (1998), Weber (1986); 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]

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 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

[*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.]

native, indigenous, specimen in COLO (63337), Santa Cruz, on plant debris, saddle between El Puntudo and Cerro Crocker, 700 m, source: Weber (1986), Elix & McCarthy (1998); Bungartz, F. 8188 [CDS]

Trapeliopsis steppica McCune & Camacho

preliminary identification, F. Bungartz: material needs verification; Aptroot, A. 63166 [CDS], Aptroot, A. 64644 [CDS]

Tricharia

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 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.]

native, indigenous; Bungartz, F. 7081 C [CDS]

Tricharia vainioi R. Sant.

native, indigenous; 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]

Trichothelium

Trichothelium akeassii U. Becker & Lücking

[*Trichothelium epiphyllum* Müll.Arg., *Trichothelium epiphyllum var. epiphyllum* Müll.Arg.]

native, indigenous; Bungartz, F. 7312 A [CDS], Ertz, D. 11725 [CDS]

Trichothelium montanum Lücking

[*Trichothelium montanum f. latisporum* Lücking, *Trichothelium montanum f. montanum* Lücking]

native, indigenous; Ertz, D. 11549 [CDS]

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.]

native, indigenous, F. Bungartz: specimens confirmed by R. Miranda & R. Lücking, source: Elix & McCarthy (1998), Weber (1986); 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]

Tylophoron

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, native, indigenous, source: Ertz et al. (2011); 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.]
native, indigenous; 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]

Usnea

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.]
native, indigenous, In Weber (1981, 1986) and Elix & McCarthy (1998) as *Usnea paradoxa*; no recent specimens; all collections from before 1972, presumed extinct!, source: Bungartz et al. (2018), Elix & McCarthy (1998), Truong et al. (2013), Weber (1981, 1986); 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 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.]
native, indigenous, In Weber (1986) as Usnea antillarum, fide A. Aptroot (pers. comm.), source: Bungartz et al. (2018), Truong & Clerc (2013); 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]

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 cladocarpa Fée

[*Usnea cirrosa subsp. ramillosa* (Motyka) P. Clerc., *Usnea ramillosa* Motyka]
native, indigenous, source: 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 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]

Usnea dasaea Stirton

[*Usnea spinulifera* (Vain.) Motyka]
native, indigenous, source: Bungartz et al. (2018); 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 dodgei Motyka

native, indigenous, source: Bungartz et al. (2018), 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 v

native, indigenous, Type: JAPAN. Honshu: Prov. Yamato, Dorogawa, Amakawa-mura, Yoshino-gun, 1952, Togashi (lectotype TNS!; % C/M/A: 4/37.5/16; contains usnic, lobaric, norstictic, stictic and constictic acids, unknown US6 (Ohmura 2001)., source: Bungartz et al. (2018), Ohmura (2001), Truong et al. (2011); 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 erinacea Vain. v

[*Usnea sanguinea* Swinscow & Krog]
native, indigenous, source: Clerc (2008, 2011), 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 v

[*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.]
native, indigenous, source: Bungartz et al. (2018); Aptroot, A. 64670 [CDS], Aptroot, A. 63319 C [CDS]

Usnea galapagona Truong & P. Clerc v

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 v

native, indigenous, source: Bungartz et al. (2018); Bungartz, F. 4028 B [CDS], Herrera-Campos, M.A. 10795 A [CDS]

Usnea grandisora Truong & P. Clerc v

native, indigenous, 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 leana Bungartz, Truong & Herrera-Camp. v

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 v

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 mexicana Vain. v

[*Usnea duriuscula* Motyka]
native, indigenous, Erronously reported as Usnea longissima, U. amabilis or U. arthroclada by Farlow (1902), Stewart (1912), Weber (1966, 1986), Elix & McCarthy (1998), source: Bungartz et al. (2018), Elix & McCarthy (1998), Farlow (1902), Stewart (1912), Truong et al. (2013), Weber (1966, 1986); 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]

Usnea patriciana Bungartz, Herrera-Camp. & P. Clerc v

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 poliothrix Kremp. v

native, indigenous, source: Bungartz et al. (2018), Motyka (1936–38), Truong et al. (2011), Vareschi (1973); 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 rubicunda Stirton v

[*Usnea pensylvanica* Motyka, *Usnea protensa* Stirt., *Usnea rubicunda var. spilota* (Stirt.) G.N. Stevens, *Usnea spilota* Stirt., *Usnea sublurida* Stirt.]
native, indigenous, source: Farlow (1902), Stewart (1912), Weber (1966, 1986), Elix & McCarthy (1998), Truong et al. (2011), Ohmura (2001, 2008), Bungartz et al. (2018); 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]

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.

native, indigenous, source: Bungartz et al. (2018); Truong, C. 1131 [CDS], Clerc, P. 08-86 B [CDS], Truong, C. 1336 [CDS]

Usnea subdasaea Truong & P. Clerc

native, indigenous, Holotype CDS, Truong 1194, source: Bungartz et al. (2018), Clerc & Usnea (2008), Herrera-Campos et al. (2001), 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

native, indigenous, source: Bungartz et al. (2018)

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]

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]

Vigneronia

Vigneronia spieri (Aptroot & Sparrius) Ertz & Bungartz

[*Schismatomma spieri* Aptroot & Sparrius]
native, indigenous, Holotype: Aptroot 65014 [CDS 31595], source: Ertz et al. (2014), Aptroot & Sparrius (2008); 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]

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]

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]

Xanthoparmelia

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 farinosa (Vain.) T.H. Nash, Elix & J. Johnst.

[*Parmelia farinosa* Vain., *Parmelia farinosa f. farinosa* Vain., *Parmelia soredians f. farinosa* (Vain.) Gyeln.]

native, indigenous; Bungartz, F. 7612 [CDS]

Xanthoparmelia monastica T.H. Nash & Elix

native, indigenous; Bungartz, F. 7599 B [CDS], Bungartz, F. 7582 [CDS]

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 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 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 ulcerosa (Zahlbr.) Hale

[*Parmelia soredians f. ulcerosa* (Zahlbr.) Gyeln., *Parmelia ulcerosa* Zahlbr.]

native, indigenous; Ertz, D. 11873 [CDS], Bungartz, F. 7615 [CDS]

Yoshimuriella

Yoshimuriella peltigera (Vain.) Lücking & Moncada

[*Lobaria peltigera* (Delile) Vain., *Lobaria peltigera var. peltigera* (Delile) Vain.]

native, indigenous

Erroneous reports of lichen-forming, lichenicolous and allied fungi from Galapagos

Exclusion Species List for **Lichen-forming, Lichenicolous and Allied Fungi from Galapagos (Ecuador)**

Citation: Bungartz, F., Ziemmeck, F., Yánez-Ayabaca, A. & Nugra, F. (2023) Lichen-forming, lichenicolous and allied fungi from Galapagos (Ecuador). *Consortium of Lichen Herbaria*. Symbiota Checklist, published online at https://lichenportal.org/portal/checklists/checklist.php?clid=1278&pid

Last updated 7 March 2023

Families: 20
Genera: 40
Species: 89
Total Taxa: 91

Acarospora

Acarospora citrina (Taylor) Zahlbr.
rejected from Galapagos Checklist, misidentification for *A. chrysops*, fide K. Knudsen (pers. comm., 2007).

Alectoria

Alectoria sarmentosa (Ach.) Ach.
rejected from Galapagos Checklist, misidentifications of *Ramalina usnea*, fide Weber (1966) & fide F. Bungartz annotations, 2009

Bacidia

Bacidia millegrana (Taylor) Zahlbr.
rejected from Galapagos Checklist, The record cited in Weber (1986) is based on a COLO exsiccati specimen (distributed as *Bacidia* cf. *millegrana*, no. 121; L-41552, COLO 185646); the specimen examined from this exsiccati deposited in COLO is annotated by Weber as "...compares well with Vainio, Exsicc. No. 336 from Minas Gerais, Lafayette, 1885"; although the Brazilian Vainio spcimen was not examined, the material from Galapagos clearly looks nothing like the type specimen of *B. millegranum* from the herbarium of Müll. Arg. in G (G-209674).

Bacidia rubella (Hoffm.) A. Massal.
rejected from Galapagos Checklist, Misidentification of *Bacidia russeola* (Kremp.) Zahlbr.; the record is based on one specimen originally identified by Weber as *B. luteola* (Schrad.) Mudd., it was later published in Weber (1986) as *B. rubella*; *B. rubella*, however has a northern temperate distribution and the specimen agrees well with *B. russeola*.

Caloplaca

Caloplaca byrsonimae (Malme) Zahlbr.
rejected from Galapagos Checklist, Bungartz et al. (2020b): Reports by Weber (1986) and Elix & McCarthy (1998) refer to *Lacrima epiphora*., source: Bungartz et al. (2020b)

Caloplaca camptidia (Tuck.) Zahlbr.
rejected from Galapagos Checklist, Bungartz et al. (2020b): Reports by Weber (1986) and Elix & McCarthy (1998) refer to the newly described *Phaeoplaca tortuca*., source: Bungartz et al. (2020b)

Caloplaca cerina (Ehrh. ex Hedwig) Th. Fr.
rejected from Galapagos Checklist, Bungartz et al. (2020b): A single specimen collected by Reverend T. Hill during the Hassler Expedition 1872 (FH-Tuck 259998), identified by C.M. Wetmore in June 1993 as *C. cerina* s.l. is most probably erroneously labeled; like several other specimens collected by Hill during that expedition this specimen was not likely collected in the Galapagos., source: Bungartz et al. (2020b)

Caloplaca chlorina (Flotow) H. Olivier
rejected from Galapagos Checklist, Bungartz et al. (2020b): Records previously published online under this name (Bungartz et al. 2016) are based on misidentifications of the isidiate morphotype of the newly described *Oceanoplaca sideritoides*., source: Bungartz et al. (2020b)

Caloplaca cirrochroa (Ach.) Th. Fr.
rejected from Galapagos Checklist, Bungartz et al. (2020b): Reported by Weber (1986) and subsequently Elix & McCarthy (1998) based on misidentifications of *Caloplaca cupulifera* and/or a sorediate morphotype of *Caloplaca subsoluta* s.l. (Weber, W.A. s.n. & Lanier, J., L-62891, COLO 294630)., source: Bungartz et al. (2020b)

Caloplaca elegans (Link.) Th. Fr.
rejected from Galapagos Checklist, Weber (1986): misidentifications of *C. isidiosa* (Vain.) Zahlbr.; Bungartz et al. (2020b): According to Weber (1986) erroneous reports of *'Caloplaca'* (= *Oceanoplaca*) *isidiosa*., source: Bungartz et al. (2020b)

Caloplaca ferruginea (Hudson) Th. Fr.
rejected from Galapagos Checklist, Bungartz et al. (2020b): A specimen in COLO (Weber, W.A. s.n., L-40827, COLO 190227) has been annotated by Weber as *Caloplaca ferruginea* agg., but this record was never published. The specimen belongs to the newly described *Oceanoplaca sideritoides*., source: Bungartz et al. (2020b)

Caloplaca muelleri (Vain.) Zahlbr.
rejected from Galapagos Checklist, Bungartz et al. (2020b): First reported from the Galapagos by Dodge (1936) based on a specimen collected during the Hancock Expedition 1934 (Taylor, W.R. 874b, included in the same packet as FH 197443). Weber (1986) rejected the report as misidentification of *'Caloplaca'* (= *Oceanoplaca*) *isidiosa*., source: Bungartz et al. (2020b)

Caloplaca murorum (Hoffm.) Th. Fr.
rejected from Galapagos Checklist, Bungartz et al. (2020): First cited in Weber (1966) based on records of *Placodium murorum* reported by Stewart (1912); according to Weber (1986) misidentifications of *'Caloplaca'* (= *Oceanoplaca*) *isidiosa*., source: Bungartz et al. (2020b)

Caloplaca obscurella (Körb.) Th. Fr.
rejected from Galapagos Checklist, Bungartz et al. (2020b): Aptroot identified an extremely poorly developed specimen collected on bark as this taxon (Aptroot, A. 65096, CDS 31678; handwritten annotation). The record was never published and the identity of the material remains unresolved., source: Bungartz et al. (2020b)

Caloplaca rugulosa (Nyl.) Zahlbr.
rejected from Galapagos Checklist, Bungartz et al. (2020b): First reported from the Galapagos by Dodge (1936) based on a specimen collected during the Hancock Expedition 1934 (Taylor, W.R. 859). Weber (1986) did not find the specimen on which this record is based; possibly a misidentification of *'Caloplaca'* (= *Oceanoplaca*) *isidiosa*., source: Bungartz et al. (2020b)

Caloplaca saxicola (Hoffm.) Nordin
rejected from Galapagos Checklist, Bungartz et al. (2020b): Records of this species from the Galapagos were never published; they refer to material originally identified by Weber as this taxon, because it is fertile, less abundantly isidiate and frequently ± pruinose. Here these specimens are treated

as part of *Oceanoplaca isidiosa*., source: Bungartz et al. (2020b)

Caloplaca sideritis (Tuck.) Zahlbr.

rejected from Galapagos Checklist, Bungartz et al. (2020b): Non-isidiate specimens of the newly described *Oceanoplaca sideritoides* were previously included in the online checklist (Bungartz et al. 2016) under this name., source: Bungartz et al. (2020b)

Canoparmelia

Canoparmelia raunkiaeri (Vain.) Elix & Hale

rejected from Galapagos Checklist, misidentifications of *Canoparmelia martinicana* (Nyl.) Elix & Hale

Chrysothrix

Chrysothrix candelaris (L.) J. R. Laundon

rejected from Galapagos Checklist, Misidentification of *Chrysothrix xanthina*, fide A. Aptroot (pers. comm.).

Chrysothrix occidentalis Elix & Kantvilas

rejected from Galapagos Checklist, Knudsen & Bungartz (2014): In the CDF Checklist of Galapagos Lichenized Fungi, C. galapagoana was treated as Chrysothrix aff. occidentalis (Bungartz et al. 2013)., source: Bungartz et al (2013d)

Cladonia

Cladonia coccifera (L.) Willd.

rejected from Galapagos Checklist, Misidentifications of *C. corymbosula* (see Yánez-Ayabaca et al. 2013).

Cladonia furcata (Hudson) Schrader

Cladonia furcata f. adspersa (Flörke) Vain.

rejected from Galapagos Checklist, most likely misidentifications of *C. sphacelata*

Cladonia macilenta Hoffm.

Cladonia macilenta var. bacillaris (Ach.) Schaer.

rejected from Galapagos Checklist, 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)

Cladonia polycarpoides Nyl.

rejected from Galapagos Checklist, Elix & McCarthy (1998) list *Cladonia subcariosa* as a synonym, but according to Yánez-Ayabaca et al. (2013) reports of *C. polycarpoides* Nyl. and *C. subcariosa* by Weber (1986) are all based on misidentifications of *C. dactylota*, source: Yánez-Ayabaca et al. (2013)

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

rejected from Galapagos Checklist, The report in Hooker (1847) is most certainly not the arctic-alpine *C. rangiferina*, but a similar species of reindeer lichens, most likely *C. confusa* f. *bicolor*

Coccotrema

Coccotrema colobinum (Tuck.) Messuti

rejected from Galapagos Checklist, the type specimen of *Pertusaria colobina* Tuck., later transferred by Messuti & Vobis (2002) and Messuti (2003) into *Coccotrema colobinum*, was supposedly collected by the Reverend T. Hill during the Hassler Expedition in Galapagos. Messuti & Vobis (2002) suggest that one of four specimens labelled (a) in the packet is material collected in Galapagos. It is, however, highly doubtful that any one of these four specimens was actually collected in the archipelago. Not a single specimen of that species has ever been found since. Instead, Messuti & Vobis (2002) cite two more specimens collected by Imshaugh & Ohlsson (MSC 43340, MSC 44816) from the Chilean cost. It is therefore much more probable that the type material of this species, like so many other specimens collected by Reverend T. Hill during the Hassler Expedition, was actually mislabeled (previously the same was already suggested by Weber (1086) p. 490); A. Fryday examined the type from FH and observed: The "Galapagos" collection has *C. coccophorum* (= *Lepolichen coccophorus*) on the same piece of bark, which makes the possibility that it is really from the Galapagos extremely unlikely. It was even annotated "probably from Str. of Magellan" by Rolf Santesson in 1955

Compsocladium

Compsocladium kalbii Frisch

rejected from Galapagos Checklist, Material originally identified by Aptroot as *Compsocladium archboldianum*, but this species does not occur in South America and the identification was first considered to refer to *Compsocladium kalbii* Frisch; the few CDS specimens are, however, an isidiate species of *Micarea* (Aptroot, A. 64664, 63186 and Nugra, F. 418).

Cora

Cora glabrata (Spreng.) Fr.

rejected from Galapagos Checklist, Previously also treated as *Dictyonema glabratum* fide Bungartz 2010; in Dodge (1935) und Weber (1966) as *Cora pavonia*; the species does not occur in the Galapagos and refer to several different, endemic taxa (see Dal-Forno et al. 2017)., source: Yánez et al. (2012)

Cyphellostereum

Cyphellostereum imperfectum Lücking, Barillas & Dal-Forno

rejected from Galapagos Checklist, the Galapagos record of this species described from Guatemala in (Yánez-Ayabaca et al. 2012) is based on a minute specimen from which DNA-amplification failed; it can no longer be assumed that the species occurs in Galapagos (see Dal-Forno et al. 2017)

Dirina

Dirina badia (Tehler) Tehler

rejected from Galapagos Checklist, cited in the key by Follmann (2001; as *Roccellina badia*) for Galapagos and North Peru, but the material could not be confirmed and most likely corresponds to fertile specimens of *Dirina approximata*, source: Follmann (2001)

Dirina catalinariae Hasse

Dirina catalinariae f. catalinariae Hasse

rejected from Galapagos Checklist, according to Tehler et al. (2013) *D. catalinariae* does not occur in Galapagos and the specimens refer to the newly described *Dirina pacifica* Tehler & Ertz; according to Aptroot & Sparrius (2008) specimens reported previously to *Roccellina badia* Tehler belong to *D. catalinariae* Hasse and thus also refer to *D. pacifica*.

Dirina catalinariae f. sorediata Tehler

rejected from Galapagos Checklist, according to Tehler et al. (2013) *D. catalinariae* does not occur in Galapagos and the specimens refer to the newly described *Dirina pacifica* Tehler & Ertz; according to Aptroot & Sparrius (2008) specimens reported previously to *Roccellina badia* Tehler belong to *D. catalinariae* Hasse and thus also refer to *D. pacifica*.

Graphis

Graphis chrysocarpa (Raddi) Spreng.

rejected from Galapagos Checklist, misidentification of *Graphis subchrysocarpa*, fide Bungartz et al. (2009); specimens in COLO: Weber (L- 40405, L- 43952).

Graphis striatula (Ach.) Sprengel

rejected from Galapagos Checklist, misidentification of *Graphis rimulosa*, fide Bungartz et al. (2009) and *Opegrapha graphidiza* s.l., fide F. Bungartz annotation, 2008.

Lecanora

Lecanora conizaea (Ach.) Nyl.

rejected from Galapagos Checklist, distributed as Lichenes Exsiccati, Colorado, No. 138; in distributing his exsiccata Weber (1981) wrote: "...incorrect, but no alternative identification available..."; most collections in the exsiccata refer to *L. floridula*, source: Bungartz et al. (2020)

Lecanora expallens Ach.

rejected from Galapagos Checklist, records previosly identified as *L. expallens* belong to an undescribed species of *Vainionora* according to Bungartz et al. (2003c), source: Bungartz et al. (2013c, 2020)

Lecanora glaucovirens Tuck.

rejected from Galapagos Checklist, Bungartz et al. (2020): Weber (1986, p. 489) doubts that the type specimen deposited in the Farlow Herbarium (FH-TUCK 197145) was actually collected in Galapagos. He annotated the specimen as follows: "This is a *Lecidea* (sect. *Biatora*). Determination of the species will have to await more study of the tropical corticolous species. I have strong doubts that this actually came from the Galapagos having nothing like it from my extensive collections there. The fragment of *Xanthoria parietina*, not yet found in Galapagos, is further indication of incorrect labeling. Several other proven cases from the Hassler Expedition are: *Pertusaria colobina* Tuck. and *Placopsis cribellans*." W.A. Weber, May 1966. We agree with this assessment. The material does not belong to *Lecanora* s.str. and we have never seen material from the Galapagos even remotely similar to the FH specimen, neither in the field nor among herbarium specimens., source: Bungartz et al. (2020)

Lecanora granifera Ach.

rejected from Galapagos Checklist, according to Bungartz et al. (2020) a synonym of *Malcolmiella granifera* (Ach.) Kalb & Lücking 2000, but specimens identified by Weber as such mostly belong to *Lecanora leprosa* or *L. schindleri*. One specimen (Weber, W.A. s.n., L-40082, COLO 188056) belongs to *L. floridula*, while another (Weber, W.A. s.n. & Lanier, J., L-63337, COLO 297084) is a misdetermination of *Lepraria tenella* (Tuck.) Lendemer & Hodkinson, source: Bungartz et al. (2020)

Lecanora helva Stizenb.

rejected from Galapagos Checklist, Bungartz et al. (2020): Guderley (1999) cited material of this species from the Galapagos, but in some of his statements and distribution maps this species was confused with *L. leprosa* (see comments for that species)., source: Bungartz et al. (2020)

Lecanora praeferenda (Nyl.) Nyl.

rejected from Galapagos Checklist, Bungartz et al. (2020): Records of *L. praeferenda* for the Galapagos are problematic and could not be confirmed here. Guderley (1999) did not cite a specimen, but his distribution map suggests that this species occurs in the Galapagos (fig. 10B, p. 166). The species is morphologically and anatomically similar to *L. tropica*, but it can be distinguished by its different epihymenium. Both have distinctly sessile apothecia with deep orange brown to fuscous brown discs, but the epihymenium of *L. tropica* lacks crystals and its brownish pigmentation is persistent in K (*glabrata*-type). The epihymenium of *L. praeferenda* contains crystals and both the crystals and brownish pigment are soluble in K. All specimens morphologically similar to *L. praeferenda* examined here had a *glabrata*-type epihymenium and thus belong to *L. tropica*. The distribution record on the map in Guderley (1999) is therefore most likely in error., source: Bungartz et al. (2020)

Lecanora subalbellina Vain.

rejected from Galapagos Checklist, Bungartz et al. (2020): Reports in Guderley (1999) were based on erroneously labeled material collected by R. Kricke. Cotopaxi National Park is located on the Ecuadorian mainland., source: Bungartz et al. (2020)

Lecanora subcoarctata (C. Knight) Hertel

rejected from Galapagos Checklist, Bungartz et al. (2020): The identification of this species by Hertel (1989) was incorrect and the specimen has been redetermined as *L. austrooceanica*; see detailed comments under that species., source: Bungartz et al. (2020)

Lecidea

Lecidea flavoareolata Nyl.

rejected from Galapagos Checklist, cited first by Stewart (1912); rejected by Weber (1966)

Lepraria

Lepraria lobificans Nyl.

rejected from Galapagos Checklist, previous reports belong to *Lepraria finkii* (B. de Lesd.) R.C. Harris

Leptotrema

Leptotrema mastoideum Müll.Arg.

rejected from Galapagos Checklist, Listed by Weber (1966) probably because the taxon is mentioned by Dodge [1936: Santa María (Charles or Floreana) January 1934, R.W. Taylor 903], but no specimen found in COLO, CAS or FH; later checklists by Weber (1985) or Elix & McCarty (1988) ignored this taxon.

Leucodecton

Leucodecton desquamescens (Vain.) Lücking

rejected from Galapagos Checklist, the only specimen upon which this preliminary identification was based (Aptroot 64602 B, CDS 44667) reacts K+ yellow to red; *L. desquamescens* does not contain secondary metabolites according to Rivas Plata et al. (2010)

Lobaria

Lobaria dissecta (Sw.) Raeusch.

rejected from Galapagos Checklist, specimens reported as *Lobaria dissecta* by Weber (1986) and Elix & McCarthy (1998) were initially annotated by Bungartz as *L. patinifera*, but according to Simon et al. (2020) the material belongs to *Emmanuelia ornata*, source: Weber (1986), Elix & McCarthy (1998)

Lobaria patinifera (Taylor) Hue

rejected from Galapagos Checklist, the species has been reported from the archipelago in several previous versions of this checklist; according to Simon et al. (2020) these reports all refer to *Emmanuelia ornata*; Weber (1986) and Elix & McCarthy (1998) reported it as *Lobaria dissecta*, source: Simon et al. (2020)

Niebla

Niebla sp. Rundel & Bowler

rejected from Galapagos Checklist, described by Aptroot & Bungartz (2007) as *Ramalina fragilis*. The specimen mentioned by Weber (1986: 474) Sipman 63573 was not examined., source: Aptroot & Bungartz (2007)

Parmeliella

Parmeliella mariana (Fr.) P.M. Jørg. & D. J. Galloway

rejected from Galapagos Checklist, Elix & McCarthy (1998) suggested that the record in Weber (1986 p. 474) of *Parmeliella pannosa* refer to *Parmeliella mariana*, but the specimen that Weber collected and upon which Weber's report was based, is densely isidiate and thus refers to *Parmeliella stylophora* (Vain.) P.M. Jørg.

Parmeliella pannosa (Sw.) Müll. Arg.

rejected from Galapagos Checklist, first reported by Weber (1986 p. 474) as *Parmeliella pannosa*; Elix & McCarthy (1998 p. 171-172) distinguish

both *P. pannosa* and *P. mariana*, but suggest that Galapagos record refers to *Parmeliella mariana*; the specimen that Weber collected and upon which the record is based, is, however, densely isidiate and thus refers to *Parmeliella stylophora* (Vain.) P.M. Jørg.

Parmotrema

Parmotrema bangii (Vain.) Hale

rejected from Galapagos Checklist, Erroneously reported online (Bungartz et al. 2016), based on a specimen collected on the continent (Ecuador, Azuay, Cuenca, along northern river bank of Rio Tomebamba, between Calle Presidente Borrero and Calle Manuel Vega, 2°52′60″S, 78°58′60″W, 2450 m alt., 13-Nov-2006, Bungartz, F. 5493)., source: Bungartz & Spielmann (2019)

Parmotrema peralbidum (Hale) Hale

rejected from Galapagos Checklist, all specimens cited by Weber (1986) that we examined were based on misidentification of *Canoparmelia raunkiaeri* (Vain.) Elix & Hale., source: Bungartz & Spielmann (2019)

Parmotrema soyauxii (Müll.Arg.) Hale

rejected from Galapagos Checklist, Elix & McCarthy (1989) include this species in their checklist despite Weber's (1986: 490) having previously expressed doubts as to whether the original report was correct: '... Reported by Dodge (1936). The specimen was not found at FH or MO. This Dodge determination is not to be accepted ...'. During our survey we did not collect any specimens and found no historical material in B, NM, FH, COLO or OSC. Therefore, we agree with Weber that the original report should be considered erroneous., source: Bungartz & Spielmann (2019)

Phaeophyscia

Phaeophyscia hispidula (Ach.) Essl.

rejected from Galapagos Checklist, Misidentification of *Hyperphyscia adglutinata*

Physcia

Physcia aipolia (Ehrh. ex Humb.) Fürnr.

rejected from Galapagos Checklist, Misidentifications of *P. mexicana* (all Galapagos specimens with K+ yellow medulla, but lacking zeorin); in Weber (1986) and Elix & McCarthy (1998) correctly referred to as *P. mexicana*.

Physcia biziana (A. Massal.) Zahlbr.

rejected from Galapagos Checklist, Misidentifications of *P. mexicana* (all Galapagos specimens lacking zeorin, medulla K+ yellow); Thompson (1963 p. 14) suggested this might be the correct name for *P. insularis*, but Weber (1968 p. 478) disagrees (see comments there).

Physcia integrata Nyl.

rejected from Galapagos Checklist, all Galapagos specimens are P. kalbii and not P. integrata

Placodium

Placodium murorum (Hoffm.) DC.

rejected from Galapagos Checklist, Bungartz et al. (2020b): First reported by Stewart (1912); according to Weber (1986) based on erroneous reports of *Oceanoplaca isidiosa*., source: Bungartz et al. (2020b)

Polycauliona

Polycauliona candelaria (L.) Frödén, Arup, & Søchting

rejected from Galapagos Checklist, Bungartz et al. (2020b): Erroneous reports of the newly described *Xanthomendoza leoncita*; first reported by Weber (1986) and Elix & McCarthy (1998) under the name *Xanthoria candelaria* (L.) Th. Fr., source: Bungartz et al. (2020b)

Polymeridium

Polymeridium sulphurescens (Müll. Arg.) R.C. Harris

rejected from Galapagos Checklist, F. Bungartz & R. Miranda: erroneous identification of *Pseudopyrenula diluta*.

Porina

Porina tetracerae (Ach.) Müll.Arg.

rejected from Galapagos Checklist, In Elix & McCarthy (1998) erronously cited from Galapagos (Weber 1993: 433), but the citation in Weber (1993) is from the Cocos Islands! Reports of the species in previous versions of this checklist were cited as "rejected"; one single specimen in CDS (Aptroot 64623) annotated by R. Lücking as *P. tetracerae* is extremely poorly developed and lacks perithecia; the specimen is treated here as *P. distans* (= *P. cf. conspersa*).

Pyrenula

Pyrenula acutalis R.C. Harris

rejected from Galapagos Checklist, F. Bungartz & R. Miranda: all material previously identified as *P. acutalis* does not belong to that species.

Pyrenula microcarpa Müll.Arg.

rejected from Galapagos Checklist, F. Bungartz & R. Miranda: all specimens in CDS misidentifications; specimen in COLO not examined: Santa Cruz, on *Cordia lutea*, Darwin Station, Weber (L-40579), det. Aptroot, 1991, as *P. cinerea* (syn. of *P. microcarpa*).

Pyrenula pyrenuloides (Mont.) R.C. Harris

rejected from Galapagos Checklist, COLO 192496 was identified by A. Aptroot as *P. pyrenuloides*, but fide R. Miranda annot. 2010 refers to *P. thelomorpha*.

Pyrrhospora

Pyrrhospora quernea (Dickson) Körb.

rejected from Galapagos Checklist, erroneously reported by Bungartz et al. (2013c); specimens belong to *Lecanora pyrrhosporoides*, source: Bungartz et al. (2013c), Bungartz et al. (2020)

Pyxine

Pyxine connectens Vain.

rejected from Galapagos Checklist, specimens in COLO identified as *P. connectens* all belong to *P. cocoës* and are not as A. Aptroot (pers. comm.) suspected misidentifications of *P. subcinerea*.

Pyxine sorediata (Ach.) Mont.

rejected from Galapagos Checklist, Elix & McCarthy (1998) are incorrect to suggest that Galapagos records of *P. eschweileri* (Weber 1986 p. 481) refer to *P. sorediata*; *P. eschweileri* has ascospores with 4 cells, a P+ red medulla and also differs from *P. sorediata* by its distribution.

Ramalina

Ramalina australiensis Nyl.

rejected from Galapagos Checklist, Elix & McCarthy (1998) suggest that reports by Weber (1986) of *R. dasypoga* auct. non Tuck. belong to *R. australiensis*; herbarium specimens in FH labeled as *R. dasypoga* belong to several similar species (*R. aspera*, *R. complanata*, and *R. sideriza*); according to Aptroot (pers. comm.) records of *R. dasypoga* are also based on misidentifications of *Ramalina sorediosa*; most likely synonyms are *Ramalina furcellata*, *Ramalina farinacea* auct. non Ach., *Ramalina dasypoga* auct. non Tuck, source: Aptroot & Bungartz (2007)

Ramalina denticulata Nyl.

rejected from Galapagos Checklist, misidentification of *Ramalina aspera*, fide Aptroot & Bungartz (2007), source: Aptroot & Bungartz (2007)

Ramalina farinacea (L.) Ach.

rejected from Galapagos Checklist, Elix & McCarthy (1998) treat *Ramalina farinacea* auct. non Ach., *Ramalina dasopoga* auct. non Tuck., and *R. furcellata* (Mont.) Zahlbr. as synonyms of *Ramalina australiensis*, a which they consequently report from the Galapagos; but according to Aptroot & Bungartz (2007) the reports of *R. furcellata* by Weber (1986) are based on misidentification of *Ramalina sorediosa*; reports of *Ramalina farinacea*, *R. furcellata*, *Ramalina australiensis* thus all refer to *Ramalina sorediosa*, source: Aptroot & Bungartz (2007)

Ramalina furcellata (Mont.) Zahlbr.

rejected from Galapagos Checklist, Elix & McCarthy (1998) treat *Ramalina farinacea* auct. non Ach., *Ramalina dasopoga* auct. non Tuck., and *R. furcellata* (Mont.) Zahlbr. as synonyms of *Ramalina australiensis*, a which they consequently report from the Galapagos; but according to Aptroot & Bungartz (2007) the reports of *R. furcellata* by Weber (1986) are based on misidentification of *Ramalina sorediosa*; reports of *Ramalina farinacea*, *R. furcellata*, *Ramalina australiensis* thus all refer to *Ramalina sorediosa*, source: Aptroot & Bungartz (2007)

Ramalina linearis (Sw.) Ach.

rejected from Galapagos Checklist, records refer to *Ramalina puiggarii* according to Aptroot & Bungartz (2007), source: Aptroot & Bungartz (2007)

Roccella

Roccella lirellina (Darb.) M. Choisy

rejected from Galapagos Checklist, according to Tehler et al. (2009) misidentification of *Roccella margaritifera* or *R. nigerrima*; initially presumed to occur in Galapagos (Tehler 2007), but later shown to be restricted to coastal Peru (Tehler et al. 2009)

Roccella portentosa (Bory) Darb.

rejected from Galapagos Checklist, misidentification of various species in the *Roccella galapagoensis* agg. fide Tehler et al. (2009)

Roccellina

Roccellina nigrocincta Tehler

rejected from Galapagos Checklist, wrong reference, therefore rejected by Aptroot & Sparrius (2008): Elix & McCarthy (1998: 253) referring to Tehler (1983: 61) who does not mention the species

Sticta

Sticta filix (Sw.) Nyl.

rejected from Galapagos Checklist, Misidentifications of *S. dichotoma* s.l.

Sticta quercizans (Michx.) Ach.

rejected from Galapagos Checklist, the original reports are based on specimens in CAS: Isabela, Iguana Cove, Snodgrass & Heller; Floreana, A. Stewart No. 400; Santa Cruz, NW-side, A. Stewart No. 401; according to Weber (1966) and Elix & McCarthy (1998) these reports are misidentification of *Sticta weigelii*, but research suggests that several different species were previously subsumed under the *Sticta weigelii* morphodeme; thus more research is necessary, what these reports refer to

Teloschistes

Teloschistes exilis (Michaux) Vain.

rejected from Galapagos Checklist, Bungartz et al. (2020b): First reported by Dodge (1936), subsequently cited also by Weber (1966), but subsequently considered an erroneous identification of *T. flavicans* (Weber 1986). We agree with Weber's assessment: the specimen in FH annotated by Dodge (Taylor, W.R. 865, FH 197409) is indeed sorediate and sterile., source: Bungartz et al. (2020b)

Usnea

Usnea amabilis Motyka

rejected from Galapagos Checklist, Weber (1986: 493) suggested that U. longissima reported by Stewart (1912) refers to U. amabilis,even though he included the taxon only in an appendix and not in his main list. Both reports are erroneous, based on misidentifications of Usnea mexicana. Usnea amabilis is presently known only from the South American continent, but not from the Galapagos (Truong et al. 2013b).

Usnea antillarum (Vain.) Zahlbr.

rejected from Galapagos Checklist, refers to *Usnea baileyi* (Stirt.) Zahlbr. according to Bungartz et al. (2018)

Usnea arthroclada Fée

rejected from Galapagos Checklist, reports in Farlow (1902), Stewart (1912), Weber (1966, 1986), and Elix & McCarthy (1998) are based on misidentifications of *Usnea mexicana*

Usnea ceratina Ach.

rejected from Galapagos Checklist, Weber (1986: 493) suggests that the records by Farlow (1902) and Stewart (1912) are erroneous, therefore including the taxon among his "rejected reports". His assessment that these reports are "a common waste-basket for unidentifiable tropical *Usnea*" is quite accurate. Elix & McCarthy (1998) identified *Usnea ceratina* auct. non Ach. from Galapagos as *Usnea rubicunda*, following Weber's (1986) statement that at least some material in FH collected by Baur refers to *U. rubiginea* (a name cross-referenced by Elix & McCarthy to *U. rubicunda*). Specimens that we have examined either refer to *Usnea subdasaea* [e.g., COLO 255417 (L-54989)] or *Usnea rubicunda* [e.g., Snodgrass, R.E. & Heller, E. s.n.; FH 197432]. Truong & Clerc (2012) also could not confirm reports of this species from the Galapagos.

Usnea dasopoga (Ach.) Nyl.

rejected from Galapagos Checklist, first reported by Hooker (1847), subsequently by Farlow (1902) and Stewart (1912), and then by Weber (1966), who nevertheless later doubted these identifications, arguing that they were based on "scrappy specimens collected by J.H. Andersson and Charles Darwin" (Weber 1986: 493; under *U. plicata*); material that we examined corresponds to *Usnea baileyi*

Usnea longissima Ach.

rejected from Galapagos Checklist, first reported by Stewart (1912), subsequently by Weber (1966), who then suggested these specimens referred to *U. amabilis* (see Weber 1986); the name was also included in the checklist of Elix & McCarthy (1998); all material, however, refers to *Usnea mexicana*

Usnea plicata (L.) Weber ex F.H. Wigg. nom. rejic.

rejected from Galapagos Checklist, see comments for *U. dasypoga*.

Usnea rubescens Stirt.

rejected from Galapagos Checklist, *Usnea rubescens* is a synonym of *U. rubicunda*, but Weber (1986: 487) lists this taxon as a synonym of *Usnea rubiginea*, which refers to *U. strigosa* (see comments for *U. rubiginea*).

Usnea rubiginea (Michx.) A. Massal.

rejected from Galapagos Checklist, Weber (1986: 487) first cited *U. rubiginea*, but Elix & McCarthy (1998) subsequently referred these records to *Usnea rubicunda*. Galapagos specimens, however, are misidentifications of at least three different species: *U. erinacea*, *U. rubicunda* and/or *U. poliothrix*.

Xanthomendoza

Xanthomendoza weberi (S.Y. Kondr. & Kärnefelt) L. Lindblom

rejected from Galapagos Checklist, Bungartz et al. (2020b): Previously included in the online checklist (Bungartz et al. 2016); the record refers to the newly described *Xanthomendoza leoncita*., source: Bungartz et al. (2020b)

Xanthoparmelia

Xanthoparmelia congensis (J. Steiner) Hale

rejected from Galapagos Checklist, previous versions of the checklist reported *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; specimens thus belong to *X. neopropaguloides*

Xanthoria

Xanthoria candelaria (L.) Th. Fr.

rejected from Galapagos Checklist, see comments under *Polycauliona candelaria*, source: Bungartz et al. (2020b)

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