



Plant Names Database: Quarterly changes



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LANDCARE RESEARCH
MANAAKI WHENUA



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This report is generated using an automated system and is therefore authored by the staff at the Allan Herbarium who currently contribute directly to the development and maintenance of the Plant Names Database. Authors are listed alphabetically after the third author. Authors have contributed as follows:

Leadership: Wilton, Heenan, Breitwieser

Database editors: Wilton, Schönberger, Gibb

Taxonomic and nomenclature research and review: Schönberger, Gibb, Wilton, Breitwieser, Dawson, Ford, Fife, Glenny, Heenan, Novis, Redmond, Smissen

Information System development: Wilton, De Pauw, Cochrane

Technical support: Boardman, Korver, Redmond, Tawiri

Disclaimer

The Plant Names Database is being updated every working day. We welcome suggestions for improvements, concerns, or any data errors you may find. Please email these to PlantInfo@landcareresearch.co.nz.

Introduction

The scientific names that are relevant to the New Zealand flora are constantly changing as we document new indigenous and exotic taxa in the flora, improve our understanding of the taxonomy and circumscription of taxa, and update information to be consistent with the International Code of Nomenclature and other standards. The purpose of this document is to provide an update of recent changes in the taxonomy and nomenclature for the New Zealand flora.

The Plant Names Database was established to record the scientific and vernacular names and taxonomy that are relevant to the New Zealand flora. It covers seed plants, ferns and lycophytes, mosses, liverworts, hornworts, and lichens that are indigenous or exotic to New Zealand. It primarily focuses on taxa that are present in the “wild” flora, but also includes information for taxa in other biostatus categories.

The staff at the Allan Herbarium update the information in the Plant Names Database, which is made available through the New Zealand Plants Website - <http://nzflora.landcareresearch.co.nz>, often with input and advice from botanists working in other organisations. This document summarises for the period stated below the changes in the Plant Names Database. The type of changes include:

- addition of new names
- formal merging and removal of duplicate names
- changes to the status of the name, as a preferred name or synonym for a taxon
- updates of the origin or occurrence (i.e. biostatus) of a taxon within New Zealand
- changes to the classification of a taxon
- updates of the scientific article that is being applied to a taxon to determine whether the name is a synonym or preferred name

All of these changes are logged when the data are regularly published to the New Zealand Plants website, and then automatically compiled into these reports at the end of each quarter without human intervention.

Structure of the document

The document is arranged in two parts. Part 1 provides a listing of scientific names by major taxonomic groups. Within these groups names are listed alphabetically by the type of change. Names in this section are listed in plain text and without authors.

In Part 2 the names are listed following the taxonomic classification. The type of changes are indicated by symbols following the name. Names are presented with author when available, and are correctly formatted. If a name is a synonym, the preferred name is listed on the next line.

In both parts preferred names are listed in bold.

Reporting period

This report covers the changes published between 4 December 2016 and 26 February 2017.

Notification Service

These changes are also available as a subscription service (ATOM) at the following web location:
<http://nzflora.landcareresearch.co.nz/feed>

Acknowledgements

The Plant Names Database is built on the contributions of a number of individuals, and continues to be maintained with significant contributions from people both within and outside of Landcare Research. In particular we would like to acknowledge the significant contributions of the following people who regularly recommend updates for the data within the Plant Names Database: Pat Brownsey (Te Papa Tongarewa Museum of New Zealand), Peter de Lange (Department of Conservation), David Galloway (Research Associate, Landcare Research), Leon Perrie (Te Papa Tongarewa Museum of New Zealand), Jeremy Rolfe (Department of Conservation), John Steele (University of Otago).

We would like to thank Christine Bezar and Margot Bowden for their advice while we were developing this report.

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Index of changes for Ascomycetes

Additions

<i>Bacidia curvispora</i>	12
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<i>Bacidia placodioides</i>	12
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<i>Blennothallia novozelandica</i>	12
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Preferred Name change

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<i>Caloplaca litoralis</i>	15
<i>Catapyrenium podolepis</i>	15
<i>Cetariastrum sorocheilum</i>	13
<i>Collema coccophorum</i>	12
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<i>Blennothallia novozelandica</i>	12
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<i>Catapyrenium podolepis</i>	15
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<i>Collema novozelandicum</i>	12
<i>Collema pulposum</i> var. <i>uniseptatum</i>	12
<i>Collema subfragrans</i>	12
<i>Collema subundulatum</i>	12
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Bacidia placodioides	12
Blennothallia	12
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Hierarchical checklist of changes

The following symbols are used to indicate changes to the data.

Ⓐ: addition; Ⓡ: the removal or merging of scientific names; Ⓣ: a change to the spelling of the name;
Ⓑ: a change in the origin information; Ⓢ: a change in th presence (occurrence) information; Ⓤ: a
change in the taxonomic article; Ⓥ: a change to the preferred name; Ⓦ: a change to the classification
(direct parent)

Pleosporales

Arthopyreniaceae

Arthopyrenia suffusa (C.Knight) Müll.Arg. Ⓡ Ⓤ
= ***Polymeridium suffusum* (C.Knight) Aptroot**

Aptroot, A; da Silva Cáceres Cáceres, M.E. 2014: A refined species concept in the tropical
microlichen genus *Polymeridium* (Trypetheliaceae) doubles the number of known
species, with a world key to species. *Nova Hedwigia* 98: 1-29.

Anthocerotae

Anthocerotales

Anthocerotaceae

Anthoceros coriaceus Steph. Ⓡ Ⓤ

= ***Phaeomegaceros coriaceus* R.J.Duff, J.C.Villareal, Cargill & Renzaglia**

Duff, R.J.; Villarreal, J.C.; Cargill, D.C.; Renzaglia, K.S. 2007: Progress and challenges
toward developing a phylogeny and classification of the hornworts. *Bryologist* 110(2):
214-243.

Anthoceros giganteus Lehm. & Lendenb. Ⓣ

= ***Nothoceros giganteus* (Lehm. & Lindenb.) Haseg. ex J.C.Villarreal, Hässel &
Salazar**

Anthoceros hirticalyx (Steph.) Meijer Ⓡ Ⓤ

= ***Phaeomegaceros hirticalyx* Steph.) R.J.Duff, J.C.Villareal, Cargill & Renzaglia**

Duff, R.J.; Villarreal, J.C.; Cargill, D.C.; Renzaglia, K.S. 2007: Progress and challenges
toward developing a phylogeny and classification of the hornworts. *Bryologist* 110(2):
214-243.

***Aspiromitus* Steph.** Ⓢ

Occurrence: Absent

Aspiromitus hirticalyx Steph. Ⓡ Ⓤ

= ***Phaeomegaceros hirticalyx* Steph.) R.J.Duff, J.C.Villareal, Cargill & Renzaglia**

Duff, R.J.; Villarreal, J.C.; Cargill, D.C.; Renzaglia, K.S. 2007: Progress and challenges
toward developing a phylogeny and classification of the hornworts. *Bryologist* 110(2):
214-243.

***Paraphymatoceros* Hässel** Ⓣ Ⓢ

Occurrence: Absent

Paraphymatoceros coriaceus (Steph.) Stotler Ⓡ

= ***Phaeomegaceros coriaceus* R.J.Duff, J.C.Villareal, Cargill & Renzaglia**

Paraphymatoceros hirticalyx (Steph.) Stotler Ⓡ Ⓤ

= ***Phaeomegaceros hirticalyx* Steph.) R.J.Duff, J.C.Villareal, Cargill & Renzaglia**

Duff, R.J.; Villarreal, J.C.; Cargill, D.C.; Renzaglia, K.S. 2007: Progress and challenges
toward developing a phylogeny and classification of the hornworts. *Bryologist* 110(2):
214-243.

Phaeoceros coriaceus (Steph.) E.O.Campb. Ⓡ Ⓤ

= ***Phaeomegaceros coriaceus* R.J.Duff, J.C.Villareal, Cargill & Renzaglia**

Duff, R.J.; Villarreal, J.C.; Cargill, D.C.; Renzaglia, K.S. 2007: Progress and challenges
toward developing a phylogeny and classification of the hornworts. *Bryologist* 110(2):
214-243.

Phaeoceros hirticalyx (Steph.) Haseg. Ⓡ Ⓤ

= ***Phaeomegaceros hirticalyx* Steph.) R.J.Duff, J.C.Villareal, Cargill & Renzaglia**

Duff, R.J.; Villarreal, J.C.; Cargill, D.C.; Renzaglia, K.S. 2007: Progress and challenges
toward developing a phylogeny and classification of the hornworts. *Bryologist* 110(2):
214-243.

Ascomycetes

Pseudoperisporiaceae

Wentiomyces tatjanae S.Y.Kondr. Ⓡ Ⓤ

= ***Niesslia tatjanae* (S.Y.Kondr.) Etayo**

Etayo, J.; Sancho, L.G. 2008: Hongos liquenícolas del sur de Sudamérica, especialmente de Isla Navarino (Chile). *Bibliotheca Lichenologica* 98: 1-302.

Gyalectales

Gyalectaceae

Pachyphiale carneola (Ach.) Arnold ⊕ ①

= *Gyalecta carneola* (Ach.) Hellb.

Pachyphiale cornea sensu Galloway ⊕ ①

= *Gyalecta carneola* (Ach.) Hellb.

Lecanorales

Bacidiaceae

***Bacidia curvispora* Coppins & Fryday** ④⑤

Origin: Non-endemic; Occurrence: Wild

***Bacidia gallowayi* Coppins & Fryday** ④⑤

Origin: Endemic; Occurrence: Wild

***Bacidia placodiooides* Coppins & Fryday** ④⑤

Origin: Endemic; Occurrence: Wild

Collemataceae

***Blennothallia* Trevis.** ④⑤⑥

Origin: Non-endemic; Occurrence: Wild

Otálora, M.A.G.; Jørgensen, P.M.; Wedin, M. 2014: A revised generic classification of the jelly lichens, Collemataceae. *Fungal Diversity* 64(1): 275-293.

***Blennothallia novozelandica* (Degel.) Otálora, P.M.Jørg. & Wedin** ④⑥

Origin: Non-endemic; Occurrence: Wild

Otálora, M.A.G.; Jørgensen, P.M.; Wedin, M. 2014: A revised generic classification of the jelly lichens, Collemataceae. *Fungal Diversity* 64(1): 275-293.

Collema coccophorum Tuck. ⊕ ①

= ***Enchylium coccophorum* (Tuck.) Otálora, P.M. Jørg. & Wedin**

Collema crispum (Huds.) Weber ex F.H.Wigg. ⊕ ①

= ***Blennothallia crispa* (Huds.) Otálora, P.M.Jørg. & Wedin**

Collema durietzii Degel. ⊕ ①

= ***Lathagrium durietzii* (Degel.) Otálora, P.M. Jørg. & Wedin**

Otálora, M.A.G.; Jørgensen, P.M.; Wedin, M. 2014: A revised generic classification of the jelly lichens, Collemataceae. *Fungal Diversity* 64(1): 275-293.

Collema kauaiense H.Magn. ⊕ ①

= ***Scytinium kauaiense* (H.Magn.) Otálora, P.M. Jørg. & Wedin**

Otálora, M.A.G.; Jørgensen, P.M.; Wedin, M. 2014: A revised generic classification of the jelly lichens, Collemataceae. *Fungal Diversity* 64(1): 275-293.

Collema novozelandicum Degel. ⊕ ①

= ***Blennothallia novozelandica* (Degel.) Otálora, P.M.Jørg. & Wedin**

Otálora, M.A.G.; Jørgensen, P.M.; Wedin, M. 2014: A revised generic classification of the jelly lichens, Collemataceae. *Fungal Diversity* 64(1): 275-293.

Collema pulposum var. *uniseptatum* Zahlbr. ⊕ ①

= ***Enchylium coccophorum* (Tuck.) Otálora, P.M. Jørg. & Wedin**

Collema subfragrans Degel. ⊕ ①

= ***Scytinium subfragrans* (Degel.) Otálora, P.M. Jørg. & Wedin**

Otálora, M.A.G.; Jørgensen, P.M.; Wedin, M. 2014: A revised generic classification of the jelly lichens, Collemataceae. *Fungal Diversity* 64(1): 275-293.

Collema subundulatum Degel. ⊕ ①

= ***Lathagrium subundulatum* (Degel.) Otálora, P.M. Jørg. & Wedin**

Otálora, M.A.G.; Jørgensen, P.M.; Wedin, M. 2014: A revised generic classification of the jelly lichens, Collemataceae. *Fungal Diversity* 64(1): 275-293.

Leptogium plicatile (Ach.) Leight. ⊕ ①

= ***Scytinium plicatile* (Ach.) Otálora, P.M.Jørg. & Wedin,**

Leptogium schraderi (Bernh.) Nyl. ⊕ ①

= ***Scytinium schraderi* (Bernh.) Otálora, P.M.Jørg. & Wedin**

Heterodeaceae

***Heterodea* Nyl.** ④⑤

Occurrence: Absent

Hymeneliaceae

Aspicilia contorta (Hoffm.) Kremp. ⊕ ①

= ***Circinaria contorta* (Hoffm.) A.Nordin, S.Savić & Tibell**

Lecanoraceae

Lecanora pholidotooides var. *crispellum* Nyl. ⊕ ①

= ***Pannaria implexa* (Stirt.) Passo, Calvelo & S.Stenoos**

***Lecidella scabra* (Taylor) Hertel & Leuckert** Ⓛ Ⓝ

Lecideaceae

Lecidea carneola Ach. Ⓜ Ⓛ

= ***Gyalecta carneola* (Ach.) Hellb.**

***Lecidea charadrodes* Zahlbr.** Ⓛ Ⓜ Ⓛ Ⓛ

Origin: Indigenous; Occurrence: Wild

Lecidea concordans Nyl. Ⓜ Ⓛ

= ***Mycoblastus dissimilans* (Nyl.) Zahlbr.**

Kantvilas, G. 2009: The genus *Mycoblastus* in the cool temperate Southern Hemisphere, with special reference to Tasmania. *The Lichenologist* 41: 151-178.

Mycoblastaceae

Mycoblastus hookeri C.W.Dodge Ⓜ Ⓛ

= ***Megalospora gompholoma* (Müll.Arg.) C.W.Dodge subsp. *gompholoma***

Kantvilas, G. 2009: The genus *Mycoblastus* in the cool temperate Southern Hemisphere, with special reference to Tasmania. *The Lichenologist* 41: 151-178.

Pannariaceae

Pannaria campbelliana Hue Ⓜ Ⓛ

= ***Pannaria implexa* (Stirt.) Passo, Calvelo & S.Stenroos**

Pannaria spectabile Zahlbr. Ⓜ Ⓛ

= ***Pannaria implexa* (Stirt.) Passo, Calvelo & S.Stenroos**

Parmeliella rakiurae P.M.Jørg. & D.J.Galloway Ⓜ Ⓛ

= ***Austroparmeliella rakiurae* (P.M.Jørg. & D.J.Galloway) P.M.Jørg.**

Ekman, S.; Wedin, M.; Lindblom, L.; Jørgensen, P.M. 2014: Extended phylogeny and a revised generic classification of the Pannariaceae (Peltigerales, Ascomycota). *The Lichenologist* 46(5): 627-656.

Psoroma crispellum (Nyl.) W.Martin & J.Child Ⓜ

= ***Pannaria implexa* (Stirt.) Passo, Calvelo & S.Stenroos**

Psoroma implexum Stirt. Ⓜ

= ***Pannaria implexa* (Stirt.) Passo, Calvelo & S.Stenroos**

Psoroma sphinctrinum var. *crispellum* Nyl. Ⓜ Ⓛ

= ***Pannaria implexa* (Stirt.) Passo, Calvelo & S.Stenroos**

Parmeliaceae

Cetrariastrum sorocheilum (Vain.) W.L.Cubl. & C.F.Cubl. Ⓜ Ⓛ

= ***Hypotrichyna sorocheila* (Vain.) Divakar, Crespo, Sipman, Elix & Lumbsch**

Divakar, P.K.; Crespo, A.; Núñez-Zapata, J.; Flakus, A.; Sipman, H.J.; Elix, J.A.; Lumbsch, H.T. 2013: A molecular perspective on generic concepts in the *Hypotrichyna* clade (Parmeliaceae, Ascomycota). *Phytotaxa* 132(1): 21-38.

Everniastrum sorocheilum (Vain.) Hale ex Sipman Ⓜ Ⓛ

= ***Hypotrichyna sorocheila* (Vain.) Divakar, Crespo, Sipman, Elix & Lumbsch**

Divakar, P.K.; Crespo, A.; Núñez-Zapata, J.; Flakus, A.; Sipman, H.J.; Elix, J.A.; Lumbsch, H.T. 2013: A molecular perspective on generic concepts in the *Hypotrichyna* clade (Parmeliaceae, Ascomycota). *Phytotaxa* 132(1): 21-38.

Gowardia Halonen, Myllys, Velmala & Hyvärinen Ⓛ Ⓝ

Origin: Non-endemic; Occurrence: Wild

***Hypotrichyna afrorevoluta* (Krog & Swinscow)** Krog & Swinscow Ⓛ Ⓜ Ⓛ Ⓛ

Origin: Non-endemic; Occurrence: Wild

***Hypotrichyna spathulata* (Kurok.)** Krog & Swinscow Ⓛ Ⓜ Ⓛ

Origin: Non-endemic; Occurrence: Wild

***Hypotrichyna swinscowii* (Hale)** Krog & Swinscow Ⓛ Ⓜ Ⓛ

Origin: Non-endemic; Occurrence: Wild

Lichen crispus Huds. Ⓜ Ⓛ

= ***Blennothallia crispa* (Huds.) Otálora, P.M.Jørg. & Wedin**

Lichen plicatilis Ach. Ⓜ Ⓛ

= ***Scytinium plicatile* (Ach.) Otálora, P.M.Jørg. & Wedin,**

Parmelia afrorevoluta Krog & Swinscow Ⓜ Ⓛ

= ***Hypotrichyna afrorevoluta* (Krog & Swinscow)** Krog & Swinscow

Parmelia jamesii Hale Ⓜ Ⓛ

= ***Hypotrichyna jamesii* (Hale)** Divakar, Crespo, Sipman, Elix & Lumbsch

Parmelia sorocheila Vain. Ⓜ Ⓛ

= ***Hypotrichyna sorocheila* (Vain.) Divakar, Crespo, Sipman, Elix & Lumbsch**

Divakar, P.K.; Crespo, A.; Núñez-Zapata, J.; Flakus, A.; Sipman, H.J.; Elix, J.A.;

Lumbsch, H.T. 2013: A molecular perspective on generic concepts in the *Hypotrichyna* clade (Parmeliaceae, Ascomycota). *Phytotaxa* 132(1): 21-38.

- Parmelia spathulata* Kurok. ⊖ ⊤
 = ***Hypotrachyna spathulata* (Kurok.) Krog & Swinscow**
- Parmelia swinscowii* Hale ⊖ ⊤
 = ***Hypotrachyna swinscowii* (Hale) Krog & Swinscow**
- Krog, H.; Swinscow, T.D.V. 1987: New species and new combinations in some Parmelioid lichen genera, with special emphasis on East African taxa. *The Lichenologist* 19(04): 419-431.
- Parmelia velata* Turner ⊖ ⊤
 = ***Varicellaria velata* (Turner) I.Schmitt & Lumbsch**
- Parmelina jamesii* (Hale) Hale ⊖ ⊤
 = ***Hypotrachyna jamesii* (Hale) Divakar, Crespo, Sipman, Elix & Lumbsch**
- Parmelinopsis afrorevoluta* (Krog & Swinscow) Elix & Hale ⊖ ⊤
 = ***Hypotrachyna afrorevoluta* (Krog & Swinscow) Krog & Swinscow**
- Parmelinopsis jamesii* (Hale) Elix & Hale ⊖
 = ***Hypotrachyna jamesii* (Hale) Divakar, Crespo, Sipman, Elix & Lumbsch**
- Parmelinopsis spathulata* (Kurok.) Elix & Hale ⊖ ⊤
 = ***Hypotrachyna spathulata* (Kurok.) Krog & Swinscow**
- Parmelinopsis swinscowii* (Hale) Elix & Hale ⊖ ⊤
 = ***Hypotrachyna swinscowii* (Hale) Krog & Swinscow**
- Krog, H.; Swinscow, T.D.V. 1987: New species and new combinations in some Parmelioid lichen genera, with special emphasis on East African taxa. *The Lichenologist* 19(04): 419-431.
- Usnea arida* Motyka** ⊖ ⊙ ⊖ ⊤
 Origin: Indigenous; Occurrence: Wild
- Physciaceae
- Buellia saxatilis* f. *insularis* Arnold ⊖ ⊤
 = ***Endohyalina insularis* (Arnold) Giralt, van den Boom & Elix**
- Giralt, M.; van den Boom, P.G.; Elix, J.A. 2010: *Endohyalina*, the genus in the Physciaceae to accommodate the species of the *Rinodina ericina*-group. *Mycological Progress* 9(1): 37-48.
- Buellia stellulata* (Taylor) Mudd** ⊖
 Origin: Indigenous; Occurrence: Wild
- Rinodina insularis* (Arnold) Hafellner ⊖ ⊤
 = ***Endohyalina insularis* (Arnold) Giralt, van den Boom & Elix**
- Giralt, M.; van den Boom, P.G.; Elix, J.A. 2010: *Endohyalina*, the genus in the Physciaceae to accommodate the species of the *Rinodina ericina*-group. *Mycological Progress* 9(1): 37-48.
- Rinodinella fertilis* (Körb.) Elix** ⊖ ⊙
 Origin: Non-endemic; Occurrence: Wild
- Rinodinella fertilis* (Körb.) Elix var. *fertilis*** ⊖
 Origin: Non-endemic; Occurrence: Wild
- Ostropales
- Graphidaceae
- Graphis mucronata* Stirn. ⊖ ⊤
 = ***Halegrapha mucronata* (Stirt.) Lücking**
- Lücking, R.; Rivas Plata, E.; Kalb, K.; Common, R.S.; Barcenas Peña, A.; Duya, M.V. 2011: *Halegrapha* (Ascomycota: Graphidaceae), an enigmatic new genus of tropical lichenized fungi dedicated to Mason E. Hale Jr.. *The Lichenologist* 43(4): 331-343.
- Phaeographis mucronata* (Stirt.) Zahlbr. ⊖ ⊤
 = ***Halegrapha mucronata* (Stirt.) Lücking**
- Lücking, R.; Rivas Plata, E.; Kalb, K.; Common, R.S.; Barcenas Peña, A.; Duya, M.V. 2011: *Halegrapha* (Ascomycota: Graphidaceae), an enigmatic new genus of tropical lichenized fungi dedicated to Mason E. Hale Jr.. *The Lichenologist* 43(4): 331-343.
- Platygramme arechavaletae* (Müll.Arg.) A.W.Archer** ⊖ ⊙
 Origin: Non-endemic; Occurrence: Wild
- Thelotremaeae
- Ocellularia hians* (Stirt.) Müll.Arg. ⊖ ⊤
 = ***Thelotrema hians* Stirt.**
- Thelotrema hians* Stirt.** ⊖ ⊙ ⊖ ⊤
 Origin: Endemic; Occurrence: Wild
- Peltigerales
- Lobariaceae
- Sticta cyphellulata* (Müll.Arg.) Hue** ⊖
 Origin: Non-endemic; Occurrence: Wild

Peltigeraceae

Peltigera elisabethiae Gyeln. ◎⊕◎⊤

Origin: Non-endemic; Occurrence: Wild

Pertusariales

Coccotremataceae

Parasiphula Kantvilas & Grube ⊖

Origin: Non-endemic; Occurrence: Present

Parasiphula elixii (Kantvilas) Kantvilas & Grube ⊖

Origin: Non-endemic; Occurrence: Wild

Pertusariaceae

Pertusaria obvelata Nyl. ⊖ ⊤

= *Varicellaria velata* (Turner) I.Schmitt & Lumbsch

Pertusaria velata (Turner) Nyl. ⊖ ⊤

= *Varicellaria velata* (Turner) I.Schmitt & Lumbsch

Segestrella cruenta Körb. ⊖ ⊤

= *Sporodictyon cruentum* (Körb.) Körb.

Pyrenulales

Pyrenulaceae

Pyrenula dermatodes (Borrer) Schaer. ⊖

Origin: Non-endemic; Occurrence: Present

Pyrenula quassiiicola Féé ⊖

Origin: Non-endemic; Occurrence: Wild

Trypetheliaceae

Laurera madreporiformis (Eschw.) Riddle ⊖ ⊤

= *Bathelium madreporiforme* (Eschw.) Trevis.

Polymeridium (Müll.Arg.) R.C.Harris ⊖

Origin: Non-endemic; Occurrence: Wild

Polymeridium catapastum (Nyl.) R.C.Harris ⊖ ⊖

Occurrence: Absent

Trypethelium erumpens Stirz. ⊖

= *Pyrenula leucotrypa* (Nyl.) Upreti

Trypethelium madreporiforme Eschw. ⊖ ⊤

= *Bathelium madreporiforme* (Eschw.) Trevis.

Sordariales

Globosphaeria D.Hawkes. ⊖ ⊖

Origin: Non-endemic; Occurrence: Wild

Globosphaeria jamesii D.Hawkes. ⊖ ⊖

Origin: Non-endemic; Occurrence: Wild

Teloschistales

Teloschistaceae

Caloplaca litoralis Zahlbr. ⊖ ⊖ ⊖

Origin: Non-endemic; Occurrence: Wild

Parvoplaca tirolensis (Zahlbr.) Arup, Söchting & Frödén ⊖ ⊖

Origin: Non-endemic; Occurrence: Wild

Rusavskia S.Y.Kondr. & Kärnefelt

= *Xanthoria* (Fr.) Th.Fr.

Rusavskia elegans (Link) S.Y.Kondr. & Kärnefelt

= *Xanthoria elegans* (Link) Th.Fr.

Xanthoria coomae S.Y. Kondr. & Kärnefelt ⊖

Occurrence: Absent

Verrucariales

Verrucariaceae

Catapyrenium podolepis Breuss ⊖ ⊤

= *Placidium podolepis* (Breuss) M.Prieto

Heteroplacidium podolepis (Breuss) Breuss ⊖ ⊤

= *Placidium podolepis* (Breuss) M.Prieto

Melanotheca irregularis Zahlbr. ⊖ ⊤

= *Pyrenula anomala* (Ach.) Vain.

Aptroot, A. 2012: A world key to the species of *Anthracothecium* and *Pyrenula*. *The Lichenologist* 44: 5-53.

Melanotheca stirtoniana Müll.Arg. ⊖ ⊤

= *Pyrenula leucotrypa* (Nyl.) Upreti

Aptroot, A. 2012: A world key to the species of *Anthracothecium* and *Pyrenula*. *The Lichenologist* 44: 5-53.

- Polyblastia cruenta* (Körb.) P.James & Swinscow ⊕ ①
 = *Sporodictyon cruentum* (Körb.) Körb.
Polyblastia melaspora (Taylor) Zahlbr. ⊕ ①
 = *Henrica melaspora* (Taylor) Savić & Tibell,
Verrucaria calciseda DC. ⊕ ①
 = *Bagliettoa calciseda* (DC.) Gueidan & Cl.Roux
 Gueidan, C.; Roux, C. 2007: *Verrucaria calciseda* DC. Néotypification, description et transfert dans le genre *Bagliettoa*. *Bulletin de la Société Linnéenne de Provence* 58: 181-194.
Verrucaria contorta Hoffm. ⊕ ①
 = *Circinaria contorta* (Hoffm.) A.Nordin, S.Savić & Tibell
 Nordin, A.; Savić, S.; Tibell, L. 2010: Phylogeny and taxonomy of *Aspicilia* and *Megasporaceae*. *Mycologia* 102(6): 1339-1349.
Verrucaria dufourii DC. ⊕ ①
 = *Parabagliettoa dufourii* (DC.) Gueidan & Cl.Roux
 Gueidan, C.; Savić, S.; Thüs, H.; Roux, C.; Keller, C.; Tibell, L.; Prieto, M.; Heiðmarsson, S.; Breuss, O.; Orange, A.; Fröberg, L.; Wynns, A.A.; Navarro-Rosinés, P.; Krzewicka, B.; Pykälä, J.; Grube, M.; Lutzoni, F. 2009: Generic classification of the Verrucariaceae (Ascomycota) based on molecular and morphological evidence: recent progress and remaining challenges. 58(1): 184-208.
Verrucaria maura Wahlenb. ⊕ ①
 = *Hydropunctaria maura* (Wahlenb.) C.Keller, Gueidan & Thüs
Verrucaria melaspora Taylor ⊕ ①
 = *Henrica melaspora* (Taylor) Savić & Tibell,
Verrucaria mucosa Wahlenb. ⊕ ①
 = *Wahlenbergiella mucosa* (Wahlenb.) Gueidan & Thüs
Verrucaria rheitrophila Zschacke ⊕ ①
 = *Hydropunctaria rheitrophila* (Zschacke) C.Keller, Gueidan & Thüs
Verrucaria suffusa C.Knight ⊕ ①
 = *Polymeridium suffusum* (C.Knight) Aptroot
 Aptroot, A; da Silva Cáceres Cáceres, M.E. 2014: A refined species concept in the tropical microlichen genus *Polymeridium* (Trypeteliaceae) doubles the number of known species, with a world key to species. *Nova Hedwigia* 98: 1-29.
- Basidiomycetes
- Agaricales
- Tricholomataceae
- Omphalia* (Fr.) Staude ⊕
 = *Omphalina* Quél.
- Bryatae
- Braunfelsia obesifolia* (R.Br.bis) Dixon ①
 = *Dicranoloma obesifolium* (R.Br.bis) Broth.
Braunfelsia petriei (Broth.) Broth. ①
 = *Dicranoloma obesifolium* (R.Br.bis) Broth.
Cynodontium Bruch & Schimp. ②③④
 Occurrence: Absent
Eucamptodon Mont. ②③
 Occurrence: Absent
Eucamptodon inflatus (Hook.f. & Wilson) Mitt. ①
 = *Pulchrinodus inflatus* (Hook.f. & Wilson) B.H.Allen
Eucamptodon petriei Broth. ①
 = *Dicranoloma obesifolium* (R.Br.bis) Broth.
 Klazenga, N. 2003: A revision of the Australasian species of *Dicranoloma* (Bryophyta, Dicranaceae). *Australian Systematic Botany* 16: 427-471.
Leucoloma Brid. ②③
 Occurrence: Absent
Leucoloma billardierei (Brid.) Broth. ①
 = *Dicranoloma billardierei* (Brid.) Paris
Leucoloma dicarpum (Nees) Broth. ①
 = *Dicranoloma dicarpum* (Nees) Paris
Leucoloma dicranoides Broth. ①
 = *Dicranoloma dicarpum* (Nees) Paris
Leucoloma fasciatum (Hedw.) Broth. ①
 = *Dicranoloma fasciatum* (Hedw.) Paris

Leucoloma polysetum Broth. ①

= *Dicranoloma dicarpum* (Nees) Paris

Leucoloma (*Dicranoloma*) Renauld ④⑤⑥

= *Dicranoloma* (Renauld) Renauld

Sprucea perichaetialis (Hook.) Hook.f. & Wilson ①

= *Holomitrium perichaetiale* (Hook.) Brid.

Anomodontaceae

Anomodon tasmanicus Broth. ①

= *Triquetrella tasmanica* (Broth.) Granzow

Granzow-de la Cerda, I. 1989: Notes on five species of *Anomodon*, some with erroneous identity, including two new combinations. *Bryologist* 92: 381-386.

Dicnemonaceae

Dicnemon obsoletinerve Hampe & Müll.Hal. ①

= *Dicranoloma fasciatum* (Hedw.) Paris

Dicranaceae

Campylopus capillaceus sensu Fife ⑤⑥

= *Campylopus pallidus* Hook.f. & Wilson

Campylopus holomitrium sensu Sainsbury ④ ①

= *Campylopus pallidus* Hook.f. & Wilson

Campylopus pyriformis (Schultz) Brid. ④⑥

Occurrence: Absent

Campylopus pyriformis var. *hamatus* J.-P.Frahm & Bartlett ④

= *unknown*

Chorisodontium aciphyllum sensu Bartlett & Frahm ④

= *Holomitrium trichopodum* (Mitt.) Klazenga

Dicranodontium australe Dixon ①

= *Dicranoloma menziesii* (Taylor) Renauld

Dicranoloma (Renauld) Renauld ④①

Origin: Non-endemic; Occurrence: Wild

Dicranoloma billardierei (Brid.) Paris ①

Origin: Non-endemic; Occurrence: Wild

Dicranoloma chrysodrepaneum Dixon ①

= *Dicranoloma robustum* (Hook.f. & Wilson) Paris

Dicranoloma cylindropyxis Dixon ①

= *Dicranoloma robustum* (Hook.f. & Wilson) Paris

Dicranoloma dicarpum (Nees) Paris ①

Origin: Non-endemic; Occurrence: Wild

Dicranoloma dicranoides Paris ①

= *Dicranoloma dicarpum* (Nees) Paris

Dicranoloma fasciatum (Hedw.) Paris ①

Origin: Endemic; Occurrence: Wild

Dicranoloma grossialare Dixon ①

= *Dicranoloma robustum* (Hook.f. & Wilson) Paris

Fife, A.J. 2016: Rhizogoniaceae. In : *Flora of New Zealand — Mosses*;

Dicranoloma integrerrimum (Broth. & Geh.) Paris ④⑤

= *Dicranoloma robustum* (Hook.f. & Wilson) Paris

Dicranoloma integrifolium Dixon ①

= *Dicranoloma robustum* (Hook.f. & Wilson) Paris

Dicranoloma menziesii (Taylor) Renauld ④①

Origin: Non-endemic; Occurrence: Wild

Klazenga, N. 2003: A revision of the Australasian species of *Dicranoloma* (Bryophyta, Dicranaceae). *Australian Systematic Botany* 16: 427-471.

Dicranoloma obesifolium (R.Br.bis) Broth. ①

Origin: Endemic; Occurrence: Wild

Dicranoloma obsoletinerve (Hampe & Müll.Hal.) Paris ①

= *Dicranoloma fasciatum* (Hedw.) Paris

Dicranoloma platycaulon Dixon ①

Origin: Non-endemic; Occurrence: Wild

Dicranoloma plurisetum Dixon ①

Origin: Endemic; Occurrence: Wild

Dicranoloma polysetum Paris ①

= *Dicranoloma dicarpum* (Nees) Paris

Dicranoloma pungens (Hook.f. & Wilson) Paris ①

= *Dicranoloma robustum* (Hook.f. & Wilson) Paris

- Dicranoloma pungentella* sensu Dixon ①
 = *Dicranoloma billardierei* (Brid.) Paris
- Dicranoloma robustum* (Hook.f. & Wilson) Paris ①
 Origin: Non-endemic; Occurrence: Wild
- Dicranoloma robustum* var. *setosum* (Hook.f. & Wilson) Sainsbury ①
 = *Dicranoloma robustum* (Hook.f. & Wilson) Paris
- Dicranoloma setosum* (Hook.f. & Wilson) Paris ①
 = *Dicranoloma robustum* (Hook.f. & Wilson) Paris
- Dicranoloma trichopodium* (Mitt.) Broth. ② ①
 = *Holomitrium trichopodium* (Mitt.) Klazenga
- Dicranum brachypelma* Müll.Hal. ①
 = *Dicranoloma menziesii* (Taylor) Renauld
- Dicranum calymperoideum* Müll.Hal. ①
 = *Dicranoloma menziesii* (Taylor) Renauld
- Dicranum dicarpum* Nees ①
 = *Dicranoloma dicarpum* (Nees) Paris
- Dicranum dicarpum* var. *spinosum* Hook.f. & Wilson ①
 = *Dicranoloma dicarpum* (Nees) Paris
- Dicranum fasciatum* Hedw. ①
 = *Dicranoloma fasciatum* (Hedw.) Paris
- Dicranum fulvum* R.Br.bis ①
 = *Dicranoloma menziesii* (Taylor) Renauld
- Dicranum leucolomoides* Müll.Hal. ①
 = *Dicranoloma dicarpum* (Nees) Paris
- Dicranum menziesii* Taylor ③①
 = *Dicranoloma menziesii* (Taylor) Renauld
- Dicranum menziesii* var. *rigidum* Hook.f. & Wilson ①
 = *Dicranoloma menziesii* (Taylor) Renauld
- Dicranum obesifolium* R.Br.bis ①
 = *Dicranoloma obesifolium* (R.Br.bis) Broth.
- Dicranum orthopyxis* Müll.Hal. ①
 = *Dicranoloma billardierei* (Brid.) Paris
- Dicranum platycaulon* Müll.Hal. ①
 = *Dicranoloma platycaulon* Dixon
 Klazenga, N. 2003: A revision of the Australasian species of *Dicranoloma* (Bryophyta, Dicranaceae). *Australian Systematic Botany* 16: 427-471.
- Dicranum plurisetum* (Dixon) Fife ①
 = *Dicranoloma plurisetum* Dixon
- Dicranum polysetum* Hampe ①
 = *Dicranoloma dicarpum* (Nees) Paris
- Dicranum pungens* Hook.f. & Wilson ①
 = *Dicranoloma robustum* (Hook.f. & Wilson) Paris
- Dicranum robustum* Hook.f. & Wilson ①
 = *Dicranoloma robustum* (Hook.f. & Wilson) Paris
- Dicranum scopelloides* Paris ①
 = *Dicranoloma billardierei* (Brid.) Paris
- Dicranum setosum* Hook.f. & Wilson ①
 = *Dicranoloma robustum* (Hook.f. & Wilson) Paris
- Dicranum setosum* var. *attenuatum* Hook.f. & Wilson ①
 = *Dicranoloma robustum* (Hook.f. & Wilson) Paris
- Dicranum subconfine* Müll.Hal. ①
 = *Dicranoloma billardierei* (Brid.) Paris
- Dicranum sulphureoflavus* Müll.Hal. ①
 = *Campylopus clavatus* (R.Br.) Hook.f. & Wilson
- Dicranum trichophyllum* Hampe ①
 = *Dicranoloma menziesii* (Taylor) Renauld
- Dicranum trichopodium* Mitt. ② ①
 = *Holomitrium trichopodium* (Mitt.) Klazenga
- Holomitrium* Brid. ①
 Origin: Non-endemic; Occurrence: Wild
- Holomitrium perichaetiale* (Hook.) Brid. ①
 Origin: Non-endemic; Occurrence: Wild
- Holomitrium trichopodium* (Mitt.) Klazenga ② ①
 Origin: Non-endemic; Occurrence: Wild

- Leucoloma* Brid.** Ⓛ⊖
 Hypnaceae
Hypnum inflatum Hook.f. & Wilson Ⓣ
 = ***Pulchrinodus inflatus* (Hook.f. & Wilson) B.H.Allen**
- Orthotrichaceae
***Leratia neocaldonica* Broth. & Paris** Ⓛ
 Occurrence: Absent
***Macromitrium incurvifolium* (Hook. & Grev.) Schwägr.** Ⓛ⊕
 Origin: Non-endemic; Occurrence: Wild
***Macromitrium longirostre* var. *ramsayae* (Vitt) Fife comb. nov.** Ⓛ⃝
 Origin: Endemic; Occurrence: Wild
- Pottiaceae
Barbula calobolax Müll.Hal. Ⓣ
 = ***Willia calobolax* (Müll.Hal.) Lightowers**
 Lightowers, P.J. 1985: Taxonomic notes on New Zealand species of *Tortula*. *Journal of Bryology* 13: 369-375.
Gymnostomum minutulum Schwägr. Ⓛ
 = ***Microbryum davallianum* (Sm.) R.H.Zander**
Gymnostomum recurvirostrum Hedw. Ⓛ Ⓣ
 = ***Ardeuma recurvirostrum* R.H.Zander. & Hedd.**
 Zander, R.H.; Hedderon, T.A. 2016: Re-evaluation of *Hymenostylium xanthocarpum* (Hook.) Brid., and *Ardeuma* R.H.Zander & Hedd., a new name for all other species of *Hymenostylium* (Pottiaceae, Bryophyta). *Journal of Bryology* 38(4): 295-301.
***Hymenostylium* Brid.** Ⓛ⊕
 Occurrence: Absent
Hymenostylium recurvirostrum (Hedw.) Dixon Ⓛ Ⓣ
 = ***Ardeuma recurvirostrum* R.H.Zander. & Hedd.**
 Zander, R.H.; Hedderon, T.A. 2016: Re-evaluation of *Hymenostylium xanthocarpum* (Hook.) Brid., and *Ardeuma* R.H.Zander & Hedd., a new name for all other species of *Hymenostylium* (Pottiaceae, Bryophyta). *Journal of Bryology* 38(4): 295-301.
***Hyophila involuta* (Hook.) A.Jaeger** Ⓛ⊕⃝
 Origin: Non-endemic; Occurrence: Wild
Tortula pachyneura Dixon & Sainsbury Ⓛ
 = ***Willia calobolax* (Müll.Hal.) Lightowers**
Trichostomum perichaetiale Hook. Ⓣ
 = ***Holomitrium perichaetiale* (Hook.) Brid.**
***Triquetrella tasmanica* (Broth.) Granzow** Ⓣ
 Origin: Non-endemic; Occurrence: Wild
 Granzow-de la Cerda, I. 1989: Notes on five species of *Anomodon*, some with erroneous identity, including two new combinations. *Bryologist* 92: 381-386.
***Willia calobolax* (Müll.Hal.) Lightowers** Ⓣ
 Origin: Non-endemic; Occurrence: Wild
 Lightowers, P.J. 1985: Taxonomic notes on New Zealand species of *Tortula*. *Journal of Bryology* 13: 369-375.
- Pterobryaceae
***Pulchrinodus* B.H.Allen** Ⓛ⃝
 Origin: Non-endemic; Occurrence: Wild
- Pulchrinodaceae
***Pulchrinodus inflatus* (Hook.f. & Wilson) B.H.Allen** Ⓣ
 Origin: Non-endemic; Occurrence: Wild
- Rhacocarpaceae
***Rhacocarpaceae* Kindb.** Ⓣ
 Origin: Non-endemic; Occurrence: Wild
- Hepaticae
 Jungermanniales
 Calypogeiacae
Kantius sphagnicola Arnell & J.Perss. Ⓛ
 = ***Calypogeia sphagnicola* (Arnell & J.Perss.) Warnst. & Loeske**
- Geocalycaceae
Chiloscyphus aculeatus Mitt. Ⓛ Ⓣ
 = ***Cryptolophocolea aculeata* (Mitt.) L.Söderstr.**
 Söderström, L.; Vána, J.; Crandall-Stotler, B.; Stotler, R.E.; Hagborg, A.; von Konrat, M. 2013: Notes on early land plants today. 43. New combinations in Lophocoleaceae (Marchantiophyta). *Phytotaxa* 112(1): 18

- Chiloscyphus anisolobus* J.J.Engel & Glenny Ⓜ ⓘ
= *Chiloscyphus innovatus* (E.A.Hodgs.) J.J.Engel & R.M.Schust.
- Engel, J.J. 2016: Studies on Lophocoleaceae XXVI. A conspectus of *Leptoscyphus* Mitt. in temperate Australasia together with comments on southern South American and tropical species, nomenclatural refinements in *Chiloscyphus* Corda, and a range extension in *Heteroscyphus* Schiffn.. *Nova Hedwigia* 103: 281-313.
- Chiloscyphus australis* Gottsche, Lindenb. & Nees Ⓜ ⓘ
= *Leptoscyphus australis* (Gottsche, Lindenb. & Nees) R.M.Schust.
- Engel, J.J. 2016: Studies on Lophocoleaceae XXVI. A conspectus of *Leptoscyphus* Mitt. in temperate Australasia together with comments on southern South American and tropical species, nomenclatural refinements in *Chiloscyphus* Corda, and a range extension in *Heteroscyphus* Schiffn.. *Nova Hedwigia* 103: 281-313.
- Chiloscyphus beckettianus* Steph. Ⓜ ⓘ
= *Leptoscyphus beckettianus* (Steph.) R.M.Schust. ex J.J.Engel
- Engel, J.J. 2016: Studies on Lophocoleaceae XXVI. A conspectus of *Leptoscyphus* Mitt. in temperate Australasia together with comments on southern South American and tropical species, nomenclatural refinements in *Chiloscyphus* Corda, and a range extension in *Heteroscyphus* Schiffn.. *Nova Hedwigia* 103: 281-313.
- Chiloscyphus erraticus* W.Martin & E.A.Hodgs. Ⓜ
= *Leptoscyphus erraticus* (Martin & E.A.Hodgs.) J.J.Engel
- Engel, J.J. 2016: Studies on Lophocoleaceae XXVI. A conspectus of *Leptoscyphus* Mitt. in temperate Australasia together with comments on southern South American and tropical species, nomenclatural refinements in *Chiloscyphus* Corda, and a range extension in *Heteroscyphus* Schiffn.. *Nova Hedwigia* 103: 281-313.
- Chiloscyphus fulvus* (Steph.) J.J.Engel & R.M.Schust. Ⓜ ⓘ
= *Cryptolophocolea leucophylla* (Hook.f. & Taylor) L.Söderstr.
- Chiloscyphus innovatus* (E.A.Hodgs.) J.J.Engel & R.M.Schust. Ⓜ ⓒ ⓑ Ⓜ ⓘ**
- Origin: Endemic; Occurrence: Wild
Engel, J.J. 2016: Studies on Lophocoleaceae XXVI. A conspectus of *Leptoscyphus* Mitt. in temperate Australasia together with comments on southern South American and tropical species, nomenclatural refinements in *Chiloscyphus* Corda, and a range extension in *Heteroscyphus* Schiffn.. *Nova Hedwigia* 103: 281-313.
- Chiloscyphus leucophyllus* (Hook.f. & Taylor) Gottsche, Lindenb. & Nees Ⓜ ⓘ
= *Cryptolophocolea leucophylla* (Hook.f. & Taylor) L.Söderstr.
- Chiloscyphus physanthus* (Hook.f. & Taylor) Mitt. Ⓜ
= *Leptoscyphus physanthus* (Hook.f. & Taylor) J.J.Engel
- Engel, J.J. 2016: Studies on Lophocoleaceae XXVI. A conspectus of *Leptoscyphus* Mitt. in temperate Australasia together with comments on southern South American and tropical species, nomenclatural refinements in *Chiloscyphus* Corda, and a range extension in *Heteroscyphus* Schiffn.. *Nova Hedwigia* 103: 281-313.
- Heteroscyphus erraticus* (W.Martin & E.A.Hodgs.) J.J.Engel & R.M.Schust. Ⓜ
= *Leptoscyphus erraticus* (Martin & E.A.Hodgs.) J.J.Engel
- Engel, J.J. 2016: Studies on Lophocoleaceae XXVI. A conspectus of *Leptoscyphus* Mitt. in temperate Australasia together with comments on southern South American and tropical species, nomenclatural refinements in *Chiloscyphus* Corda, and a range extension in *Heteroscyphus* Schiffn.. *Nova Hedwigia* 103: 281-313.
- Heteroscyphus physanthus* (Hook.f. & Taylor) R.M.Schust. Ⓜ
= *Leptoscyphus physanthus* (Hook.f. & Taylor) J.J.Engel
- Engel, J.J. 2016: Studies on Lophocoleaceae XXVI. A conspectus of *Leptoscyphus* Mitt. in temperate Australasia together with comments on southern South American and tropical species, nomenclatural refinements in *Chiloscyphus* Corda, and a range extension in *Heteroscyphus* Schiffn.. *Nova Hedwigia* 103: 281-313.
- Leptoscyphus australis* (Gottsche, Lindenb. & Nees) R.M.Schust. Ⓜ ⓘ**
- Origin: Non-endemic; Occurrence: Wild
Engel, J.J. 2016: Studies on Lophocoleaceae XXVI. A conspectus of *Leptoscyphus* Mitt. in temperate Australasia together with comments on southern South American and tropical species, nomenclatural refinements in *Chiloscyphus* Corda, and a range extension in *Heteroscyphus* Schiffn.. *Nova Hedwigia* 103: 281-313.
- Leptoscyphus beckettianus* (Steph.) R.M.Schust. ex J.J.Engel Ⓜ**
- Origin: Indigenous; Occurrence: Wild
Engel, J.J. 2016: Studies on Lophocoleaceae XXVI. A conspectus of *Leptoscyphus* Mitt. in temperate Australasia together with comments on southern South American and tropical species, nomenclatural refinements in *Chiloscyphus* Corda, and a range extension in *Heteroscyphus* Schiffn.. *Nova Hedwigia* 103: 281-313.

***Leptoscyphus compactus* (Colenso) J.J.Engel** ◎◎①

Origin: Non-endemic; Occurrence: Wild

Engel, J.J. 2016: Studies on Lophocoleaceae XXVI. A conspectus of *Leptoscyphus* Mitt. in temperate Australasia together with comments on southern South American and tropical species, nomenclatural refinements in *Chiloscyphus* Corda, and a range extension in *Heteroscyphus* Schiffn.. *Nova Hedwigia* 103: 281-313.

***Leptoscyphus erraticus* (W.Martin & E.A.Hodgs.) J.J.Engel** ◎◎①

Origin: Non-endemic; Occurrence: Wild

Engel, J.J. 2016: Studies on Lophocoleaceae XXVI. A conspectus of *Leptoscyphus* Mitt. in temperate Australasia together with comments on southern South American and tropical species, nomenclatural refinements in *Chiloscyphus* Corda, and a range extension in *Heteroscyphus* Schiffn.. *Nova Hedwigia* 103: 281-313.

***Leptoscyphus innovatus* (E.A.Hodgs.) J.J.Engel** ◎①

= ***Chiloscyphus innovatus* (E.A.Hodgs.) J.J.Engel & R.M.Schust.**

Engel, J.J. 2016: Studies on Lophocoleaceae XXVI. A conspectus of *Leptoscyphus* Mitt. in temperate Australasia together with comments on southern South American and tropical species, nomenclatural refinements in *Chiloscyphus* Corda, and a range extension in *Heteroscyphus* Schiffn.. *Nova Hedwigia* 103: 281-313.

***Leptoscyphus physanthus* (Hook.f. & Taylor) J.J.Engel** ◎◎①

Origin: Indigenous; Occurrence: Wild

Engel, J.J. 2016: Studies on Lophocoleaceae XXVI. A conspectus of *Leptoscyphus* Mitt. in temperate Australasia together with comments on southern South American and tropical species, nomenclatural refinements in *Chiloscyphus* Corda, and a range extension in *Heteroscyphus* Schiffn.. *Nova Hedwigia* 103: 281-313.

***Lophocolea aculeata* (Mitt.) E.A.Hodgs.** ◎①

= ***Cryptolophocolea aculeata* (Mitt.) L.Söderstr.**

Söderström, L.; Vána, J.; Crandall-Stotler, B.; Stotler, R.E.; Hagborg, A.; von Konrat, M. 2013: Notes on early land plants today. 43. New combinations in Lophocoleaceae (Marchantiophyta). *Phytotaxa* 112(1): 18

***Lophocolea aperticaulis* (J.J.Engel) L.Söderstr.** ◎

= ***Chiloscyphus aperticaulis* J.J.Engel**

***Lophocolea australis* (Gottsche, Lindenb. & Nees) Mitt.** ◎①

= ***Leptoscyphus australis* (Gottsche, Lindenb. & Nees) R.M.Schust.**

Engel, J.J. 2016: Studies on Lophocoleaceae XXVI. A conspectus of *Leptoscyphus* Mitt. in temperate Australasia together with comments on southern South American and tropical species, nomenclatural refinements in *Chiloscyphus* Corda, and a range extension in *Heteroscyphus* Schiffn.. *Nova Hedwigia* 103: 281-313.

***Lophocolea fulva* Steph.** ◎①

= ***Cryptolophocolea leucophylla* (Hook.f. & Taylor) L.Söderstr.**

***Lophocolea innovata* E.A.Hodgs.** ◎①

= ***Chiloscyphus innovatus* (E.A.Hodgs.) J.J.Engel & R.M.Schust.**

Engel, J.J. 2016: Studies on Lophocoleaceae XXVI. A conspectus of *Leptoscyphus* Mitt. in temperate Australasia together with comments on southern South American and tropical species, nomenclatural refinements in *Chiloscyphus* Corda, and a range extension in *Heteroscyphus* Schiffn.. *Nova Hedwigia* 103: 281-313.

***Lophocolea leucophylla* (Hook.f. & Taylor) Taylor ex Gottsche, Lindenb. & Nees** ◎

= ***Cryptolophocolea leucophylla* (Hook.f. & Taylor) L.Söderstr.**

***Lophocolea physantha* (Hook.f. & Taylor) Gottsche, Lindenb. & Nees** ①

= ***Leptoscyphus physanthus* (Hook.f. & Taylor) J.J.Engel**

Engel, J.J. 2016: Studies on Lophocoleaceae XXVI. A conspectus of *Leptoscyphus* Mitt. in temperate Australasia together with comments on southern South American and tropical species, nomenclatural refinements in *Chiloscyphus* Corda, and a range extension in *Heteroscyphus* Schiffn.. *Nova Hedwigia* 103: 281-313.

Herbertaceae

***Sendtnera spinosissima* Hook.f. & Taylor** ◎

= ***Lepidozia spinosissima* (Hook.f. & Taylor) Mitt.**

Jungermanniaceae

***Jungermannia alicornis* Hook.f. & Taylor** ◎

= ***Riccardia alicornis* (Hook.f. & Taylor) Trevis.**

***Jungermannia australis* Hook.f. & Taylor** ①

= ***Leptoscyphus australis* (Gottsche, Lindenb. & Nees) R.M.Schust.**

Engel, J.J. 2016: Studies on Lophocoleaceae XXVI. A conspectus of *Leptoscyphus* Mitt. in temperate Australasia together with comments on southern South American and

- tropical species, nomenclatural refinements in *Chiloscyphus* Corda, and a range extension in *Heteroscyphus* Schiffn.. *Nova Hedwigia* 103: 281-313.
- Jungermannia byssacea* Roth Ⓢ
 = *Cephaloziella byssacea* (Roth) Warnst.
- Jungermannia cinerascens* Lehm. & Lindenb. Ⓢ
 = *Acrobolbus cinerascens* (Lehm. & Lindenb.) Bastow
- Jungermannia diplophylla* Hook.f. & Taylor Ⓢ
 = *Balantiopsis diplophylla* (Hook.f. & Taylor) Mitt.
- Jungermannia leucophylla* Hook.f. & Taylor Ⓡ Ⓣ
 = *Cryptolophocolea leucophylla* (Hook.f. & Taylor) L.Söderstr.
- Söderström, L.; Vána, J.; Crandall-Stotler, B.; Stotler, R.E.; Hagborg, A.; von Konrat, M. 2013: Notes on early land plants today. 43. New combinations in Lophocoleaceae (Marchantiophyta). *Phytotaxa* 112(1): 18
- Jungermannia occlusa* Hook.f. & Taylor Ⓢ
 = *Adelanthus occlusus* (Hook.f. & Taylor) Carrington
- Jungermannia ochrophylla* Hook.f. & Taylor Ⓢ
 = *Acrobolbus ochrophyllus* (Hook.f. & Taylor) R.M.Schust.
- Jungermannia perigonialis* Hook.f. & Taylor Ⓢ
 = *Andrewsianthus perigonialis* (Hook.f. & Taylor) R.M.Schust.
- Jungermannia perpusilla* Hook.f. & Taylor Ⓢ
 = *Chiloscyphus perpusillus* (Hook.f. & Taylor) J.J.Engel
- Jungermannia physantha* Hook.f. & Taylor Ⓢ Ⓣ
 = *Leptoscyphus physanthus* (Hook.f. & Taylor) J.J.Engel
- Engel, J.J. 2016: Studies on Lophocoleaceae XXVI. A conspectus of *Leptoscyphus* Mitt. in temperate Australasia together with comments on southern South American and tropical species, nomenclatural refinements in *Chiloscyphus* Corda, and a range extension in *Heteroscyphus* Schiffn.. *Nova Hedwigia* 103: 281-313.
- Jungermannia reticulata* Hook.f. & Taylor Ⓢ
 = *Lepidolaena reticulata* (Hook.f. & Taylor) Trevis.
- Jungermannia securifolia* Nees Ⓢ
 = *Acrolejeunea securifolia* (Nees) Steph.
- Jungermannia spathulistipus* Reinw., Blume & Nees Ⓢ
 = *Thysananthus spathulistipus* (Reinw., Blume & Nees) Lindenb.
- Jungermannia tenacifolia* Hook.f. & Taylor Ⓢ
 = *Pachyglossa tenacifolia* (Hook.f. & Taylor) Herzog & Grolle
- Jungermannia tridactylis* Lehm. & Lindenb. Ⓢ
 = *Neolepidozia tridactylis* (Lehm. & Lindenb.) E.D.Cooper
- Jungermannia xiphoides* Hook.f. & Taylor Ⓢ
 = *Pallavicinia xiphoides* (Hook.f. & Taylor) Trevis.
- Protolophozia autoica* (R.M.Schust.) Váňa & L.Söderstr. Ⓢ
 Origin: Endemic; Occurrence: Wild
- Protolophozia monoica* (E.A.Hodgs.) Váňa & L.Söderstr. Ⓢ
 Origin: Endemic; Occurrence: Wild
- Protolophozia nivicola* (R.M.Schust.) Váňa & L.Söderstr. Ⓢ
 Origin: Endemic; Occurrence: Wild
- Protolophozia subalpina* (R.M.Schust.) Váňa & L.Söderstr. Ⓢ
 Origin: Endemic; Occurrence: Wild
- Schizophyllumopsis* Váňa & L.Söderstr. Ⓢ
 Origin: Non-endemic; Occurrence: Wild
- Lejeuneaceae
Cheilolejeunea ceylanica (Gottsche) R.M.Schust. & Kachroo Ⓢ
 Origin: Non-endemic; Occurrence: Wild
- Lejeunea papillata* Mitt. Ⓢ
 = *Echinolejeunea papillata* (Mitt.) R.M.Schust. ex Hamlin
- Nephelolejeunea fragilis* (R.M.Schust.) L.Söderstr. & A.Hagborg Ⓢ
 Origin: Endemic; Occurrence: Wild
- Nephelolejeunea hispida* R.M.Schust. ex L.Söderstr. & A.Hagborg Ⓢ
 Origin: Endemic; Occurrence: Wild
- Lepidoziaceae
Bazzania hochstetteri (Reichardt) E.A.Hodgs. Ⓢ
 Origin: Endemic; Occurrence: Wild
- Lepidozia integrifolia* Steph. Ⓢ
 = *Drucella integrifolia* (Steph.) E.A.Hodgs.

***Tricholepidozia tetradactyla* (Hook.f. & Taylor) E.D.Cooper** Ⓛ

Origin: Endemic; Occurrence: Wild

Pseudolepicoleaceae

***Isophyllaria attenuata* (Rodway) E.A.Hodgs.** Ⓛ

Origin: Non-endemic; Occurrence: Wild

Marchantiales

Ricciaceae

Riccia natans L. ⊖

= *Ricciocarpos natans* (L.) Corda

***Ricciocarpos* Corda** Ⓛ

Origin: Non-endemic; Occurrence: Wild

***Ricciocarpus natans* (L.) Corda** ⊖

Metzgeriales

Phyllothalliaceae

***Phyllothallia* 1964** Ⓛ①

Origin: Non-endemic; Occurrence: Wild

Hodgson, E.A. 1964: New Zealand Hepaticae (Liverworts) —XV A new monotypic family of the thalloid Hepaticae Phyllothalliaceae Hodgson fam. nov.. *Transactions of the Royal Society of New Zealand. Botany* 2: 247-250.

***Phyllothallia nivicola* E.A.Hodgs.** ①

Origin: Endemic; Occurrence: Wild

Hodgson, E.A. 1964: New Zealand Hepaticae (Liverworts) —XV A new monotypic family of the thalloid Hepaticae Phyllothalliaceae Hodgson fam. nov.. *Transactions of the Royal Society of New Zealand. Botany* 2: 247-250.

Phyllothalliaceae E.A. Hodgson Ⓛ②③④⑤

Origin: Non-endemic; Occurrence: Wild

Hodgson, E.A. 1964: New Zealand Hepaticae (Liverworts) —XV A new monotypic family of the thalloid Hepaticae Phyllothalliaceae Hodgson fam. nov.. *Transactions of the Royal Society of New Zealand. Botany* 2: 247-250.

Magnoliopsida

Alismatales

Araceae

***Epipremnum pinnatum* (L.) Engl.** Ⓛ

Apiales

Pittosporaceae

Pittosporum colensoi var. *fasciculatum* (Hook.f.) Cheeseman Ⓛ

= *Pittosporum tenuifolium* Sol. ex Gaertn.

Umbelliferae

***Anisotome haastii* (F.Muell.) Cockayne & Laing** Ⓛ

Origin: Endemic; Occurrence: Wild

Ligusticum haastii (F.Muell.) F.Muell. ex Hook.f. Ⓛ

= ***Anisotome haastii* (F.Muell.) Cockayne & Laing**

Asparagales

Orchidaceae

***Microtis unifolia* (G.Forst.) Rchb.f.** Ⓛ

Origin: Non-endemic; Occurrence: Wild

***Thelymitra venosa* R.Br.** Ⓛ②

Origin: Exotic; Occurrence: Absent

Asterales

Campanulaceae

Pratia Gaudich. ⊖①

= ***Lobelia* L.**

Mabberley, D.J. 2008: *Mabberley's plant book, a portable dictionary of plants, their classification and uses*. Cambridge University Press. 1021 p.

Compositae

Abrotanella christensenii Petrie Ⓛ

= ***Solenogyne gunnii* (Hook.f.) Cabrera**

***Senecio esleri* C.J.Webb** Ⓛ

Origin: Non-endemic; Occurrence: Wild

Caryophyllales

Amaranthaceae

Beta vulgaris* L. subsp. *vulgaris Ⓛ②

Origin: Exotic; Occurrence: Wild

- Fabales
 Leguminosae
***Flemingia macrophylla* Prain** ◎®
 Origin: Exotic; Occurrence: Present in captivity/cultivation/culture
- Lamiales
 Labiateae
***Plectranthus scutellarioides* (L.) R.Br.** ①
 Origin: Exotic; Occurrence: Present in captivity/cultivation/culture
Solenostemon scutellarioides (L.) Codd ①
 = ***Plectranthus scutellarioides* (L.) R.Br.**
Salix alba 'Tristis' ⊖ ①
 = ***Salix ×sepulcralis* var. *chrysocoma* (Dode) Meikle**
- Malpighiales
 Salicaceae
Salix ×chrysocoma Dode ⊖ ①
 = ***Salix ×sepulcralis* var. *chrysocoma* (Dode) Meikle**
***Salix ×sepulcralis* var. *chrysocoma* (Dode) Meikle** ◎®⊖ ①
 Origin: Exotic; Occurrence: Wild
- Oxalidales
 Oxalidaceae
***Oxalis latifolia* Kunth** ①
 Origin: Exotic; Occurrence: Wild
 Lourteig, A. 2000: *Oxalis* L. subgéneros *Monoxalis* (Small) Lourt., *Oxalis* y *Trifidus* Lourt..
Bradea 7: 201-629.
Oxalis vallicola (Rose) R.Knuth ⊖ ①
 = ***Oxalis latifolia* Kunth**
 Lourteig, A. 2000: *Oxalis* L. subgéneros *Monoxalis* (Small) Lourt., *Oxalis* y *Trifidus* Lourt..
Bradea 7: 201-629.
- Pandanales
 Pandanaceae
Pandanus Parkinson ◎①
***Pandanus tectorius* Parkinson ex Du Roi** ①
 Origin: Exotic; Occurrence: Present in captivity/cultivation/culture
- Poales
 Cyperaceae
***Carex cheesemaniana* (Boeckeler)** K.A.Ford ◎
 Origin: Non-endemic; Occurrence: Wild
Uncinia cheesemaniana Boeckeler ◎
 = ***Carex cheesemaniana* (Boeckeler)** K.A.Ford
- Gramineae
Bromus carinatus sensu New Zealand Botanists ⊖
 = ***Bromus stamineus* E.Desv.**
Bromus catharticus Vahl var. *catharticus* ⊖ ①
 = ***Bromus catharticus* Vahl**
Bromus catharticus var. *elatus* (E.Desv.) Planchuelo ⊖
 = ***Bromus stamineus* E.Desv.**
Bromus cebadilla Steud. ⊖ ①
 = ***Bromus stamineus* E.Desv.**
Bromus schraderi Kunth. ⊖
 = ***Bromus catharticus* Vahl**
***Bromus stamineus* E.Desv.** ⊖ ①
 Origin: Exotic; Occurrence: Wild
 Edgar, E.; Connor, H.E. 2010: *Flora of New Zealand Volume V Grasses*. Manaaki Whenua Press. 673 p.
Bromus unioloides Kunth ⊖ ①
 = ***Bromus catharticus* Vahl**
Bromus unioloides (Willd.) Raspail ⊖
 = ***Bromus catharticus* Vahl**
Bromus unioloides var. *elata* E.Desv. ⊖
 = ***Bromus stamineus* E.Desv.**
Bromus valdivianus Phil. ⊖ ①
 = ***Bromus stamineus* E.Desv.**
Bromus willdenowii Kunth ⊖
 = ***Bromus catharticus* Vahl**

- Ceratochloa unioloides* (Willd.) P.Beauv. ⊖
 = *Bromus catharticus* Vahl
- Cymbopogon* Spreng. ⊙
 Origin: Exotic; Occurrence: Sometimes present
- Festuca unioloides* Willd. ⊖
 = *Bromus catharticus* Vahl
- Poa astonii* Petrie ⊖
 Origin: Non-endemic; Occurrence: Wild
- Poa uniflora* Buchanan ⊖
 = *Simplicia buchananii* (Zotov) Zotov
 de Lange, P.J.; Smissen, R.D.; Rolfe, J.R.; Ogle, C.C. 2016: Systematics of *Simplicia* Kirk (Poaceae, Agrostidinae) – an endemic, threatened New Zealand grass genus. *PhytoKeys* 75: 119-144.
- Simplicia* Kirk ⊖
 Origin: Endemic; Occurrence: Wild
 de Lange, P.J.; Smissen, R.D.; Rolfe, J.R.; Ogle, C.C. 2016: Systematics of *Simplicia* Kirk (Poaceae, Agrostidinae) – an endemic, threatened New Zealand grass genus. *PhytoKeys* 75: 119-144.
- Simplicia buchananii* (Zotov) Zotov ⊖
 Origin: Endemic; Occurrence: Wild
 de Lange, P.J.; Smissen, R.D.; Rolfe, J.R.; Ogle, C.C. 2016: Systematics of *Simplicia* Kirk (Poaceae, Agrostidinae) – an endemic, threatened New Zealand grass genus. *PhytoKeys* 75: 119-144.
- Simplicia laxa* Kirk ⊖
 Origin: Endemic; Occurrence: Wild
 de Lange, P.J.; Smissen, R.D.; Rolfe, J.R.; Ogle, C.C. 2016: Systematics of *Simplicia* Kirk (Poaceae, Agrostidinae) – an endemic, threatened New Zealand grass genus. *PhytoKeys* 75: 119-144.
- Simplicia laxa* var. *buchananii* Zotov ⊖
 = *Simplicia buchananii* (Zotov) Zotov
 de Lange, P.J.; Smissen, R.D.; Rolfe, J.R.; Ogle, C.C. 2016: Systematics of *Simplicia* Kirk (Poaceae, Agrostidinae) – an endemic, threatened New Zealand grass genus. *PhytoKeys* 75: 119-144.
- Santalales
 Santalaceae
Dendrophthora Eichler ⊖
- Sapindales
 Meliaceae
Swietenia Jacq. ⊖
 Rutaceae
Euodia hortensis J.R.Forst. & G.Forst. ⊖
 Origin: Exotic; Occurrence: Present in captivity/cultivation/culture
- Zingiberales
 Marantaceae
Calathea G.Mey. ⊖
 Zingiberaceae
Zingiber Mill. ⊖ ⊙ ⊖
 Origin: Exotic; Occurrence: Present in captivity/cultivation/culture
- Pinopsida
 Pinales
 Pinaceae
Pinus monticola Douglas ex D.Don ⊙
 Origin: Exotic; Occurrence: Sometimes present
- Polypodiopsida
 Polypodiales
 Aspleniaceae
Asplenium richardii (Hook.f.) Hook.f. ⊖
 Origin: Endemic; Occurrence: Wild
 Brownsey, P.J.; Perrie, L.R. 2017: Re-interpreting the identity of the New Zealand fern *Asplenium richardii* Hook.f.. *New Zealand Journal of Botany* 55(1): xx-xx.
- Dennstaedtiaceae
Pteridium esculentum (G.Forst.) Cockayne ⊖
 Origin: Non-endemic; Occurrence: Wild

Thomson, J.A. 2012: Taxonomic status of diploid Southern hemisphere brackens (*Pteridium*: Dennstaedtiaceae). *Telopea* 14: 43-48.

Lindsaeaceae

***Sphenomeris* Maxon** Ⓜ

Origin: Exotic; Occurrence: Absent

Pteridaceae

***Pteris aquilina* L.** ⊖

Pteris esculenta G.Forst. Ⓣ

= ***Pteridium esculentum* (G.Forst.) Cockayne**

Thomson, J.A. 2012: Taxonomic status of diploid Southern hemisphere brackens (*Pteridium*: Dennstaedtiaceae). *Telopea* 14: 43-48.

***Pteris novae-zelandiae* Field** ⊖

Origin: Indigenous; Occurrence: Wild

Tremellomycetes

Tremellales

Tremellaceae

***Tremella lobariacearum* Diederich & M.S.Christ.** Ⓟ

Origin: Non-endemic; Occurrence: Wild

