



# Plant Names Database: Quarterly changes

2 March 2018



**LANDCARE RESEARCH**  
MANAAKI WENUA

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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, Schönberger, Breitwieser, Smissen

**Database editors:** Wilton, Schönberger, Gibb

**Taxonomic and nomenclature research and review:** Schönberger, Gibb, Wilton, Breitwieser, Ford, Glenny, 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](mailto: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 3 December 2017 and 25 February 2018.

## 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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***Cardamine*** ..... 12

*Cardamine* (a) (CHR 312947; "tarn") ..... 12

*Cardamine* (b) (CHR 511706; Pisa Range) ..... 12

*Cardamine* (c) (CHR 65058; Reporoa Bog) ..... 12

***Cardamine bilobata*** ..... 12

***Cardamine corymbosa*** ..... 12

***Cardamine cubita*** ..... 12

*Cardamine debilis* ..... 12

*Cardamine debilis* "Glossy leaf" ..... 12

*Cardamine debilis* "Long style" ..... 12

*Cardamine debilis* "Narrow petal" ..... 12

*Cardamine debilis* "Slender var." ..... 12

*Cardamine debilis* "Tussock race" ..... 13

***Cardamine depressa*** ..... 13

*Cardamine depressa* var. *acaulis* ..... 13

*Cardamine depressa* var. *stellata* ..... 13

***Cardamine flexuosa*** ..... 13

*Cardamine heterophylla* ..... 13

*Cardamine heterophylla* var. *heterophylla* ..... 13

*Cardamine heterophylla* var. *hirtella* ..... 13

*Cardamine heterophylla* var. *leiocarpa* ..... 13

*Cardamine heterophylla* var. *macrostylis* ..... 13

*Cardamine heterophylla* var. *uniflora* ..... 13

***Cardamine hirsuta*** ..... 13

*Cardamine hirsuta* var. *debilis* ..... 13

*Cardamine hirsuta* var. *subcarnosa* ..... 13

*Cardamine hirsuta* var. *uniflora* ..... 13

***Cardamine lacustris*** ..... 13

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*Cardamine stellata* ..... 14

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*Cardamine uniflora* ..... 14

*Hymenanchera obovata* ..... 15

***Ixerba*** ..... 15

***Ixerba brexioides*** ..... 15

*Libertia formosa* ..... 12

***Melicytus*** ..... 15

*Melicytus* "Burnett" ..... 15

*Melicytus* "Owen" ..... 15

*Melicytus* (Mt. Burnett) ..... 16

*Melicytus* (Mt. Owen) ..... 16

*Melicytus* aff. *obovatus* (AK 100107; Cook Strait) ..... 16

***Melicytus obovatus*** ..... 16

*Pozoa* subgen. *Schizeilema* ..... 11

***Salicornia*** ..... 14

*Salicornia australis* ..... 14

*Salicornia australis* ..... 14

*Salicornia australis* ..... 14

***Salicornia quinqueflora*** ..... 14

*Sarcocornia* ..... 15

*Sarcocornia quinqueflora* ..... 15

*Sisymbrium heterophyllum* ..... 14

## Spelling change

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<b>Alternanthera sessilis</b> .....	14
<b>Azorella hookeri var. hookeri</b> .....	11
Cardamine debilis .....	12
Cardamine hirsuta var. debilis .....	13
<b>Carpinus</b> .....	15
<b>Catalpa ovata</b> .....	15
<b>Echinopsis</b> .....	15
<b>Epilobium ciliatum subsp. ciliatum</b> .....	16
<b>Rhamnus purshiana</b> .....	16
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# Index of changes for Polypodiopsida

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*Asplenium bulbiferum* var. *tremulum* ..... 16

# 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 the presence (occurrence) information; Ⓣ: a change in the taxonomic article; ⊕: a change to the preferred name; Ⓔ: a change to the classification (direct parent)

## Ascomycetes

### Teloschistales

#### Teloschistaceae

***Caloplaca maculata* D.J.Galloway** Ⓔ

Origin: Endemic; Occurrence: Wild

## Bryatae

*Brachysteleum* Rchb. Ⓢ⊖Ⓣ

= ***Ptychomitrium* Fürnr.**

*Brachysteleum australe* Hampe Ⓣ

= ***Ptychomitrium australe* (Hampe) A.Jaeger**

***Desmatodon*** ⊕

Occurrence: Absent

#### Grimmiaceae

*Grimmia turneri* R.Br.bis Ⓣ

= ***Ptychomitrium australe* (Hampe) A.Jaeger**

#### Orthotrichaceae

*Orthotrichum hurunui* R.Br.bis Ⓣ

= ***Ptychomitrium australe* (Hampe) A.Jaeger**

#### Ptychomitriaceae

***Ptychomitriaceae*** Ⓣ

Origin: Non-endemic; Occurrence: Wild

## Bryopsida

### Grimmiales

#### Grimmiaceae

*Grimmia barrii* R.Br.bis Ⓣ

= ***Ptychomitrium australe* (Hampe) A.Jaeger**

#### Ptychomitriaceae

***Ptychomitrium* Fürnr.** Ⓣ

Origin: Non-endemic; Occurrence: Wild

***Ptychomitrium australe* (Hampe) A.Jaeger** Ⓣ

Origin: Non-endemic; Occurrence: Wild

*Ptychomitrium barrii* (R.Br.bis) Dixon Ⓣ

= ***Ptychomitrium australe* (Hampe) A.Jaeger**

## Jungermanniopsida

### Jungermanniales

#### Acrobolbaceae

***Acrobolbus cinerascens* (Lehm. & Lindenb.) Bastow** Ⓣ

Origin: Non-endemic; Occurrence: Wild

Engel, J.J.; Glenny, D.; Merrill, G. 2017: Studies of New Zealand Hepaticae. 69–73. A miscellanea of new taxa and combinations together with nomenclatural refinements.

*Phytotaxa* 326(2): 156-158.

#### Adelanthaceae

*Syzygiella viridonigra* E.A.Hodgs. Ⓢ⊖Ⓣ

= ***Plagiochila hartziana* Pearson**

Engel, J.J.; Glenny, D.; Merrill, G. 2017: Studies of New Zealand Hepaticae. 69–73. A miscellanea of new taxa and combinations together with nomenclatural refinements.

*Phytotaxa* 326(2): 156-158.

#### Jungermanniaceae

*Jungermannia cinerascens* Lehm. & Lindenb. Ⓣ

= ***Acrobolbus cinerascens* (Lehm. & Lindenb.) Bastow**

Engel, J.J.; Glenny, D.; Merrill, G. 2017: Studies of New Zealand Hepaticae. 69–73. A miscellanea of new taxa and combinations together with nomenclatural refinements.

*Phytotaxa* 326(2): 156-158.

- Jungermannia reticulata* Hook.f. & Taylor ①  
 = ***Lepidolaena reticulata* (Hook.f. & Taylor) Trevis.**  
 Engel, J.J.; Glenny, D.; Merrill, G. 2017: Studies of New Zealand Hepaticae. 69–73. A miscellanea of new taxa and combinations together with nomenclatural refinements. *Phytotaxa* 326(2): 156-158.
- Lepidoziaceae  
*Lepidozia longifissa* Steph. ②
- Lophocoleaceae  
*Chiloscyphus erraticus* W.Martin & E.A.Hodgs. ② ①  
 = ***Leptoscyphus heterophyllus* (Steph.) J.J.Engel**  
 Engel, J.J.; Glenny, D.; Merrill, G. 2017: Studies of New Zealand Hepaticae. 69–73. A miscellanea of new taxa and combinations together with nomenclatural refinements. *Phytotaxa* 326(2): 156-158.  
*Heteroscyphus erraticus* (W.Martin & E.A.Hodgs.) J.J.Engel & R.M.Schust. ② ①  
 = ***Leptoscyphus heterophyllus* (Steph.) J.J.Engel**  
 Engel, J.J.; Glenny, D.; Merrill, G. 2017: Studies of New Zealand Hepaticae. 69–73. A miscellanea of new taxa and combinations together with nomenclatural refinements. *Phytotaxa* 326(2): 156-158.  
*Leptoscyphus erraticus* (W.Martin & E.A.Hodgs.) J.J.Engel ② ①  
 = ***Leptoscyphus heterophyllus* (Steph.) J.J.Engel**  
 Engel, J.J.; Glenny, D.; Merrill, G. 2017: Studies of New Zealand Hepaticae. 69–73. A miscellanea of new taxa and combinations together with nomenclatural refinements. *Phytotaxa* 326(2): 156-158.
- Plagiochilaceae  
***Plagiochila fuscella* var. *novae-zelandiae* (E.A.Hodgs.) J.J.Engel & G.L.Merr.** ③  
 Origin: Endemic; Occurrence: Wild  
*Plagiochila viridonigra* (E.A.Hodgs.) Inoue ② ①  
 = ***Plagiochila hartziana* Pearson**  
 Engel, J.J.; Glenny, D.; Merrill, G. 2017: Studies of New Zealand Hepaticae. 69–73. A miscellanea of new taxa and combinations together with nomenclatural refinements. *Phytotaxa* 326(2): 156-158.
- Schistochilaceae  
*Gottschea conchophylla* var. *multidentata* J.J.Engel ② ①  
 = ***Gottschea multidentata* (J.J.Engel) Glenny & J.J.Engel**  
 Engel, J.J.; Glenny, D.; Merrill, G. 2017: Studies of New Zealand Hepaticae. 69–73. A miscellanea of new taxa and combinations together with nomenclatural refinements. *Phytotaxa* 326(2): 156-158.
- Porellales  
 Lejeuneaceae  
*Cheilolejeunea curnowii* (Steph.) R.M.Schust. ①  
 = ***Cheilolejeunea hamlinii* Grolle**  
 Glenny, D. 1998: A revised checklist of New Zealand liverworts and hornworts. *Tuhinga* 10: 119-149.  
*Pycnolejeunea glauca* Steph. ①  
 = ***Cheilolejeunea intertexta* (Lindenb.) Steph.**  
 Grolle, R. 1982: Übersicht der Lejeuneaceae in Tasmanien. *Wissenschaftliche Zeitschrift der Friedrich-Schiller-Universität Jena/Thüringen. Mathematisch-naturwissenschaftliche Reihe* 31: 207-227.
- Lepidolaenaceae  
***Lepidolaena reticulata* (Hook.f. & Taylor) Trevis.** ①  
 Origin: Non-endemic; Occurrence: Wild  
 Engel, J.J.; Glenny, D.; Merrill, G. 2017: Studies of New Zealand Hepaticae. 69–73. A miscellanea of new taxa and combinations together with nomenclatural refinements. *Phytotaxa* 326(2): 156-158.
- Magnoliopsida  
 Apiales  
 Umbelliferae  
***Azorella hookeri* Drude var. *hookeri*** ③  
 Origin: Endemic; Occurrence: Wild  
*Pozoa* (*Schizeilema*) Hook.f. ② ①  
 = ***Azorella* Lam.**

Asparagales

Iridaceae

- Libertia formosa* Graham ⊖ ⊕  
= ***Libertia chilensis* (Molina) Gunckel**  
***Moraea polystachya* (Thunb.) Ker Gawl.** ⊕  
Origin: Exotic; Occurrence: Sometimes present

Asterales

Campanulaceae

- Campanula gracilis* β *stricta* R.Br. ⊖  
= ***Wahlenbergia stricta* (R.Br.) Sweet**  
***Wahlenbergia marginata* (Thunb.) A.DC.** ⊕ ⊕  
Origin: Exotic; Occurrence: Present in captivity/cultivation/culture  
***Wahlenbergia violacea* J.A.Petterson** ⊕ ⊕  
Origin: Non-endemic; Occurrence: Wild

Brassicales

Cruciferae

- Cardamine* L.** ⊕  
Origin: Non-endemic; Occurrence: Wild  
Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine* (a) (CHR 312947; "tarn") ⊖ ⊕  
= ***Cardamine mutabilis* Heenan**  
Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine* (b) (CHR 511706; Pisa Range) ⊖ ⊕  
= ***Cardamine sciaphila* Heenan**  
Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine* (c) (CHR 65058; Reporoa Bog) ⊖ ⊕  
= ***Cardamine forsteri* Govaerts**  
Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine bilobata* Kirk** ⊕  
Origin: Endemic; Occurrence: Wild  
Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine corymbosa* Hook.f.** ⊕ ⊕  
Origin: Non-endemic; Occurrence: Wild  
Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine cubita* Molloy, Heenan & Smissen** ⊕  
Origin: Endemic; Occurrence: Wild  
Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine debilis* DC. ⊕ ⊕ ⊕  
= ***Cardamine dolichostyla* Heenan**  
Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine debilis* "Glossy leaf" sensu Pritchard ⊖ ⊕  
= ***Cardamine chlorina* Heenan**  
Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine debilis* "Long style" sensu Pritchard ⊖ ⊕  
= ***Cardamine dolichostyla* Heenan**  
Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine debilis* "Narrow petal" sensu Pritchard ⊖ ⊕  
= ***Cardamine forsteri* Govaerts**  
Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine debilis* "Slender var." sensu Allan ⊖ ⊕  
= ***Cardamine forsteri* Govaerts**  
Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.

- Cardamine debilis* "Tussock race" sensu Pritchard ☹️ ①  
 = ***Cardamine polyodontes* Heenan**  
 Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine depressa* Hook.f.** ①  
 Origin: Endemic; Occurrence: Wild  
 Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine depressa* var. *acaulis* Hook.f. ☹️ ①  
 = ***Cardamine depressa* Hook.f. subsp. *depressa***  
 Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine depressa* Hook.f. var. *depressa* ☹️  
 = ***Cardamine depressa* Hook.f. subsp. *depressa***
- Cardamine depressa* var. *stellata* (Hook.f.) Hook.f. ☹️ ①  
 = ***Cardamine depressa* subsp. *stellata* (Hook.f.) Heenan**  
 Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine flexuosa* With.** ①  
 Origin: Exotic; Occurrence: Wild  
 Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine heterophylla* (G.Forst.) O.E.Schulz ☹️ ①  
 = ***Cardamine forsteri* Govaerts**  
 Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine heterophylla* (G.Forst.) O.E.Schulz var. *heterophylla* ☹️ ①  
 = **unknown**  
 Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine heterophylla* var. *hirtella* O.E.Schulz ☹️ ①  
 = **unknown**  
 Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine heterophylla* var. *leiocarpa* O.E.Schulz ☹️ ①  
 = **unknown**  
 Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine heterophylla* var. *macrostylis* O.E.Schulz ☹️ ①  
 = **unknown**  
 Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine heterophylla* var. *uniflora* (Hook.f.) Cockayne ☹️ ①  
 = ***Cardamine unicaulis* Heenan**  
 Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine hirsuta* L.** ①  
 Origin: Exotic; Occurrence: Wild  
 Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine hirsuta* var. *debilis* (DC.) Hook.f. ☹️☹️ ①  
 = ***Cardamine dolichostyla* Heenan**  
 Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine hirsuta* var. *subcarnosa* Hook.f. ①  
 = ***Cardamine subcarnosa* (Hook.f.) Allan**  
 Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine hirsuta* var. *uniflora* Hook.f. ☹️ ①  
 = ***Cardamine unicaulis* Heenan**  
 Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine lacustris* (Garn.-Jones & P.N.Johnson) Heenan** ①  
 Origin: Endemic; Occurrence: Wild

- Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine latior* Heenan** ①  
Origin: Endemic; Occurrence: Wild  
Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine pratensis* L.** ①  
Origin: Exotic; Occurrence: Wild  
Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine stellata* Hook.f. ② ①  
= ***Cardamine depressa* subsp. *stellata* (Hook.f.) Heenan**  
Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine subcarnosa* (Hook.f.) Allan** ①  
Origin: Endemic; Occurrence: Wild  
Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Cardamine uniflora* (Hook.f.) Allan ② ①  
= ***Cardamine unicaulis* Heenan**  
Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Sisymbrium heterophyllum* G.Forst. ② ①  
= ***Cardamine forsteri* Govaerts**  
Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Caryophyllales  
Amaranthaceae
- Alternanthera sessilis* (L.) DC.** ② ①  
Origin: Exotic; Occurrence: Present in captivity/cultivation/culture  
Heenan, P.B.; de Lange, P.J. 2004: *Alternanthera denticulata* (Amaranthaceae) in New Zealand: a new addition to the indigenous or naturalised flora?. *New Zealand Journal of Botany* 42: 739-745.
- Arthrocnemum heptiflorum* Moss ② ①  
= ***Salicornia quinqueflora* Bunge ex Ung.-Sternb.**  
Piirainen, M.; Liebisch, O.; Kadereit, G. 2017: Phylogeny, biogeography, systematics and taxonomy of Salicornioideae (Amaranthaceae / Chenopodiaceae) – A cosmopolitan, highly specialized hygrophalophyte lineage dating back to the Oligocene. *Taxon* 66(1): 109-132.
- Salicornia* L.** ①  
Occurrence: Absent  
Piirainen, M.; Liebisch, O.; Kadereit, G. 2017: Phylogeny, biogeography, systematics and taxonomy of Salicornioideae (Amaranthaceae / Chenopodiaceae) – A cosmopolitan, highly specialized hygrophalophyte lineage dating back to the Oligocene. *Taxon* 66(1): 109-132.
- Salicornia australis* Sol. ex G.Forster ② ② ①  
= ***Salicornia quinqueflora* Bunge ex Ung.-Sternb.**  
Piirainen, M.; Liebisch, O.; Kadereit, G. 2017: Phylogeny, biogeography, systematics and taxonomy of Salicornioideae (Amaranthaceae / Chenopodiaceae) – A cosmopolitan, highly specialized hygrophalophyte lineage dating back to the Oligocene. *Taxon* 66(1): 109-132.
- Salicornia australis* Sol. ex F.Muell ② ①  
= ***Salicornia quinqueflora* Bunge ex Ung.-Sternb.**  
Piirainen, M.; Liebisch, O.; Kadereit, G. 2017: Phylogeny, biogeography, systematics and taxonomy of Salicornioideae (Amaranthaceae / Chenopodiaceae) – A cosmopolitan, highly specialized hygrophalophyte lineage dating back to the Oligocene. *Taxon* 66(1): 109-132.
- Salicornia australis* Sol. ex. Benth ② ①  
= ***Salicornia quinqueflora* Bunge ex Ung.-Sternb.**  
Piirainen, M.; Liebisch, O.; Kadereit, G. 2017: Phylogeny, biogeography, systematics and taxonomy of Salicornioideae (Amaranthaceae / Chenopodiaceae) – A cosmopolitan, highly specialized hygrophalophyte lineage dating back to the Oligocene. *Taxon* 66(1): 109-132.
- Salicornia quinqueflora* Bunge ex Ung.-Sternb.** ② ①

Piirainen, M.; Liebisch, O.; Kadereit, G. 2017: Phylogeny, biogeography, systematics and taxonomy of Salicornioideae (Amaranthaceae / Chenopodiaceae) – A cosmopolitan, highly specialized hygrohalophyte lineage dating back to the Oligocene. *Taxon* 66(1): 109-132.

*Sarcocornia* A.J.Scott ☉ ①

= ***Salicornia* L.**

Piirainen, M.; Liebisch, O.; Kadereit, G. 2017: Phylogeny, biogeography, systematics and taxonomy of Salicornioideae (Amaranthaceae / Chenopodiaceae) – A cosmopolitan, highly specialized hygrohalophyte lineage dating back to the Oligocene. *Taxon* 66(1): 109-132.

*Sarcocornia quinqueflora* (Bunge ex Ung.-Sternb.) A.J.Scott ☉ ①

= ***Salicornia quinqueflora* Bunge ex Ung.-Sternb.**

Piirainen, M.; Liebisch, O.; Kadereit, G. 2017: Phylogeny, biogeography, systematics and taxonomy of Salicornioideae (Amaranthaceae / Chenopodiaceae) – A cosmopolitan, highly specialized hygrohalophyte lineage dating back to the Oligocene. *Taxon* 66(1): 109-132.

Cactaceae

***Echinopsis* Zucc.** ☉ ③ ⑤

Origin: Exotic; Occurrence: Present in captivity/cultivation/culture

Crossosomatales

Strasburgeriaceae

***Ixerba* A.Cunn.** ①

Origin: Endemic; Occurrence: Wild

Nepia, R.E.; Clarkson, B.D. 2017: Biological flora of New Zealand (15): *Ixerba brexioides*, tāwari. *New Zealand Journal of Botany* 33: xx-xx.

***Ixerba brexioides* A.Cunn.** ①

Origin: Endemic; Occurrence: Wild

Nepia, R.E.; Clarkson, B.D. 2017: Biological flora of New Zealand (15): *Ixerba brexioides*, tāwari. *New Zealand Journal of Botany* 33: xx-xx.

Fagales

Betulaceae

***Alnus viridis* (Chaix) DC. subsp. viridis** ⑤

Origin: Exotic; Occurrence: Present in captivity/cultivation/culture

***Carpinus* L.** ☉ ③ ⑤

Origin: Exotic; Occurrence: Present in captivity/cultivation/culture

Lamiales

Bignoniaceae

***Catalpa ovata* G.Don** ④ ⑤

Origin: Exotic; Occurrence: Present in captivity/cultivation/culture

Plantaginaceae

***Veronica 'Alicia Amherst'*** ⑤

Occurrence: Present in captivity/cultivation/culture

Malpighiales

Violaceae

*Hymenanchera obovata* Kirk ①

= ***Melicytus obovatus* (Kirk) Garn.-Jones**

Heenan, P.B.; Courtney, S.P.; de Lange, P.J.; Molloy, B.P.J. 2018: Three new *Melicytus* species from central New Zealand and a revised circumscription of *Melicytus obovatus* (Violaceae). *New Zealand Journal of Botany* 56: xx-xx.

***Melicytus* J.R.Forst. & G.Forst.** ①

Origin: Non-endemic; Occurrence: Wild

Heenan, P.B.; Courtney, S.P.; de Lange, P.J.; Molloy, B.P.J. 2018: Three new *Melicytus* species from central New Zealand and a revised circumscription of *Melicytus obovatus* (Violaceae). *New Zealand Journal of Botany* 56: xx-xx.

*Melicytus "Burnett"* ☉ ①

= ***Melicytus obovatus* (Kirk) Garn.-Jones**

Heenan, P.B.; Courtney, S.P.; de Lange, P.J.; Molloy, B.P.J. 2018: Three new *Melicytus* species from central New Zealand and a revised circumscription of *Melicytus obovatus* (Violaceae). *New Zealand Journal of Botany* 56: xx-xx.

*Melicytus "Owen"* ☉ ①

= ***Melicytus improcerus* Heenan, Courtney & Molloy**

Heenan, P.B.; Courtney, S.P.; de Lange, P.J.; Molloy, B.P.J. 2018: Three new *Melicytus* species from central New Zealand and a revised circumscription of *Melicytus obovatus* (Violaceae). *New Zealand Journal of Botany* 56: xx-xx.

- Melicytus* (*Mt. Burnett*) ⊖ ⊕  
 = ***Melicytus obovatus* (Kirk) Garn.-Jones**  
 Heenan, P.B. 2017: A taxonomic revision of *Cardamine* L. (Brassicaceae) in New Zealand. *Phytotaxa* 330(1): 001-154.
- Melicytus* (*Mt. Owen*) ⊖ ⊕  
 = ***Melicytus improcerus* Heenan, Courtney & Molloy**  
 Heenan, P.B.; Courtney, S.P.; de Lange, P.J.; Molloy, B.P.J. 2018: Three new *Melicytus* species from central New Zealand and a revised circumscription of *Melicytus obovatus* (Violaceae). *New Zealand Journal of Botany* 56: xx-xx.
- Melicytus aff. obovatus* (*AK 100107; Cook Strait*) ⊖ ⊕  
 = ***Melicytus orarius* Heenan, de Lange, Courtney & Molloy**  
 Heenan, P.B.; Courtney, S.P.; de Lange, P.J.; Molloy, B.P.J. 2018: Three new *Melicytus* species from central New Zealand and a revised circumscription of *Melicytus obovatus* (Violaceae). *New Zealand Journal of Botany* 56: xx-xx.
- Melicytus obovatus* (Kirk) Garn.-Jones** ⊕  
 Origin: Endemic; Occurrence: Wild  
 Heenan, P.B.; Courtney, S.P.; de Lange, P.J.; Molloy, B.P.J. 2018: Three new *Melicytus* species from central New Zealand and a revised circumscription of *Melicytus obovatus* (Violaceae). *New Zealand Journal of Botany* 56: xx-xx.
- Myrtales  
 Onagraceae  
***Epilobium ciliatum* Raf. subsp. *ciliatum*** ⊕  
 Origin: Exotic; Occurrence: Wild
- Oxalidales  
 Cunoniaceae  
***Weinmannia sylvicola* Sol. ex A.Cunn.** ⊕  
 Origin: Endemic; Occurrence: Wild  
***Weinmannia sylvicola* var. *betulina* (A.Cunn.) Hook.f.** ⊕  
 Origin: Endemic; Occurrence: Wild  
***Weinmannia sylvicola* Sol. ex A.Cunn. var. *sylvicola*** ⊕  
 Origin: Endemic; Occurrence: Wild
- Poales  
 Gramineae  
*Triticum youngii* Hook.f. ⊖  
 = ***Anthosachne scabra* (R.Br.) Nevski**
- Rosales  
 Rhamnaceae  
***Rhamnus purshiana* (DC.) A.Gray** ⊕⊕⊕  
 Origin: Exotic; Occurrence: Present in captivity/cultivation/culture
- Rosaceae  
*Acaena sanguisorbae* subsp. *profundeincisa* var. *sericeinitens* Bitter ⊖  
 = ***Acaena profundeincisa* (Bitter) B.H.Macmill.**
- Marchantiopsida  
 Marchantiales  
 Ricciaceae  
***Riccia cavernosa* Hoffm.** ⊕⊕  
 Origin: Non-endemic; Occurrence: Wild
- Polypodiopsida  
 Polypodiales  
 Aspleniaceae  
*Asplenium bulbiferum* var. *tremulum* (Hombr.) Domin ⊖  
 = ***Asplenium tremulum* Hombr.**





