

New Combinations of New Zealand Fungi

J.A. Cooper, October 2014

These are a number of 'bookkeeping' combinations necessary because phylogenetic data show the current genus assignments to be incorrect. In addition to the phylogenetic evidence the morphological evidence has been checked by examining material in PDD. In many cases there will be notes and photographs/micrographs against these specimens. These notes are my working diary, and so may, or may not be up to date, or even understandable.

In this list below I have indicated the specimen accession numbers and associated GenBank accession numbers. In a number of cases the details surrounding these taxa will form part of forthcoming revisions of various groups, but it is important we keep the taxonomy as up to date as possible in advance of that work. The associated barcode sequences will be increasingly used for diagnostics and interpretation of environmental sequence data. In addition to sequences for these specimens I have also deposited a number of sequences for related and relevant species.

These combinations have been formally published as nomenclatural novelties in the IndexFungorum ePublication systems, which unfortunately, allows for even less associated documentation than I have provided here.

[The ePublication is IndexFungorum number 193](#)

[GenBank search interface](#)

[Landcare Research Systematics Collection Database](#)

1) *Rhodocollybia incarnata* (G. Stev.) J.A. Cooper

IF550774

Basionym: *Collybia incarnata* G. Stev., Kew Bull. 19(1): 9 (1964)

Recombination on the basis of morphology and phylogeny. Material examined: PDD 80006, PDD 80835, PDD 87378, PDD 87439, PDD 84442, PDD 95219 [ITS:KM975398;LSU:KM975387], PDD 87538 [ITS:KM975429;LSU:KM975385], PDD 87540 [ITS:KM975435;LSU:KM975359], PDD 95350, PDD 95448 [ITS:KM975405;LSU:KM975376], PDD 96963, PDD 97091 [ITS:KM975425;LSU:KM975381], PDD 105709.

2) *Gymnopus subsupinus* (Berk.) J.A. Cooper

IF550775

Basionym: *Marasmius subsupinus* Berk. in Hooker, Bot. Antarct. Voy., III, Fl. Tasman. 2: 249 (1859) [1860]

Recombination on the basis of morphology and phylogeny. Material examined: PDD 41962, PDD 96595 [ITS:KM975399;LSU:KM975375], PDD 97088

3) *Hohenbuehelia ligulata* (E. Horak) J.A. Cooper

IF550776

Basionym: *Panellus ligulatus* E. Horak Aust. J. Bot., Suppl. Ser. 10: 32 (1983)

Recombination on the basis of morphology and phylogeny. The species possesses gloeosphex cystidia, but is unusual in not also possessing metuloid cystidia. Material examined: PDD 72650, PDD 80775 [ITS:KM975439]

4) *Kuehneromyces brunneoalbescens* (Y.S. Chang & A.K. Mills) J.A. Cooper

IF550777

Basionym: *Psilocybe brunneoalbescens* Y.S. Chang & A.K. Mills, in Chang, Gates & Ratkowsky, Australas. Mycol. 24(3): 60 (2006)

Recombination on the basis of morphology and phylogeny. Material examined: PDD 72602, PDD 91871, PDD 92776, PDD 95842, PDD 96268, PDD 96392, PDD 96471 [ITS:KM975397;LSU:KM975388., PDD 96478, PDD 97054 [ITS:KM975426;LSU:KM975380], PDD 97055, PDD 97058

5) *Deconica bayliasiana* (E. Horak) J.A. Cooper

IF550778

Basionym: *Nivatogastrium baylisianum* E. Horak, N.Z. J. Bot. 9(3): 483 (1971)

Recombination on the basis of morphology and phylogeny. This snowbank secotioid species is a member of the chrysocystidioid group of *Deconica* and closely related to *Deconica novaezelandiae*. Material examined: PDD 27005, PDD 105444 [ITS:KM975393;LSU:KM975364]

6) *Porphyrellus formosus* (G. Stev.,) J.A. Cooper

IF550779

Basionym: *Tylopilus formosus* G. Stev., Kew Bull. 15(3): 381 (1962) [1961]

Recombination on the basis of morphology and phylogeny. The species has phylogenetic proximity to *Porphyrellus porphyrosporus* (type species of *Porphyrellus*) and not *Tylopilus felleus* (type species of *Tylopilus*). Material examined: PDD 80756 [ITS:KM975417;LSU:KM975361], PDD 96542 [LSU:KM975383], PDD102291 [ITS:KM975391]

7) *Cryptomarasmius rhopalostylidis* (Desjardin & E. Horak) J.A. Cooper

IF550780

Basionym: *Marasmius rhopalostylidis* Desjardin & E. Horak, *Bibliotheca Mycol.* 168: 108 (1997)

Recombination on the basis of morphology and phylogeny. Material examined PDD 87065 [LSU:KM975374]

8) *Pholiotina gracilenta* (Watling & G.M. Taylor) J.A. Cooper

IF550788

Basionym: *Conocybe gracilenta* Watling & G.M. Taylor, *Bibliotheca Mycol.* 117: 39 (1987)

Recombination on the basis of morphology and phylogeny. Material examined: PDD 86820, PDD 86902, PDD 87363 [ITS:KM975419;LSU:KM975382]

9) *Laccaria paraphysata* (McNabb) J.A. Cooper

IF550781

Basionym: *Laccaria ohiensis* var. *paraphysata* McNabb, *N.Z. J. Bot.* 10(3): 474 (1972)

Recombination on the basis of morphology and phylogeny. McNabb's variety is worthy of recognition at the rank of species. Material examined: PDD 25973, PDD 80177, PDD 80007 [ITS:KM975424], PDD 95230 [ITS:KM975427;LSU:KM975372], PDD 95783, PDD 96852, PDD 96961, PDD 96977, PDD 97033, PDD 97128, PDD 97153, PDD 105501 [LSU:KM975363], PDD 105542, PDD 105761

10) *Heimiomyces velutipes* (G. Stev.) J.A. Cooper

IF550782

Basionym: *Crinipellis velutipes* G. Stev., *Kew Bull.* 19(1): 45 (1964)

Recombination on the basis of morphology and phylogeny. Material examined: PDD 96139 [ITS:KM975407;LSU:KM975360], PDD 95585

11) *Flagelloscypha citrispora* (Agerer) J.A. Cooper

IF550784

Basionym: *Sphaerobasidioscypha citrispora* Agerer, *Mitt. bot. StSamml., Münch.* 19: 295 (1983)

Recombination on the basis of morphology and phylogeny. Morphological and phylogenetic proximity to species of *Flagelloscypha* indicate separation at the rank of genus is not warranted. Material examined: PDD 105591 [ITS:KM975436;LSU:KM975368]

12) *Pseudoclitocybe foetida* (G. Stev.) J.A. Cooper

IF550785

Basionym: *Cantharellula foetida* G. Stev., Kew Bull. 19(1): 18 (1964)

Recombination on the basis of morphology and phylogeny. The species has phylogenetic proximity to *Pseudoclitocybe cyathiformis* (type species of *Pseudoclitocybe*). Sequence not yet deposited. Material examined: PDD 83751, PDD 95825

13) *Septoria matthiolae* (Oudem.) J.A. Cooper

IF550786

Basionym: *Ascochyta matthiolae* Oudem., Contrib. Flora Mycol. d. Pays-Bas 16: 69 (1899)

On the basis of morphology and ITS sequences. Material examined: PDD 96753, PDD 96769 = ICMP 19646 [ITS:KM975409;LSU:KM975370]