Name Changes

Book Name	Current Name	Reference & Details
Agaricus brunneofibrillosus Kerrigan nom. prov.	*Agaricus brunneofibrillosus* Kerrigan	Kerrigan, R.W. (2016). *Agaricus* of North America. New York Botanical Garden: Bronx, NY. 574 p.
Agaricus deardorffensis Kerrigan nom. prov.	*Agaricus deardorffensis* Kerrigan	Kerrigan, R.W. (2016). *Agaricus* of North America. New York Botanical Garden: Bronx, NY. 574 p.
Agaricus incultorum Kerrigan nom. prov.	*Agaricus incultorum* Kerrigan	Kerrigan, R.W. (2016). *Agaricus* of North America. New York Botanical Garden: Bronx, NY. 574 p.
Agaricus moronii Kerrigan nom. prov.	*Agaricus moronii* Kerrigan	Kerrigan, R.W. (2016). *Agaricus* of North America. New York Botanical Garden: Bronx, NY. 574 p.
Arcangeliella desjardinii Thiers	*Lactarius desjardinii* (Thiers) P.M. Kirk	The sequestrate genus *Arcangeliella* belong in *Lactarius* Kirk, P. M. (2015). Index Fungorum no. 279: 1.
Boletus abieticola Thiers	*Butyriboletus abieticola* (Thiers) D. Arora & J.L. Frank	Arora, D. & Frank, J.L. (2014). Clarifying the butter Boletes: a new genus, *Butyriboletus*, is established to accommodate *Boletus* sect. *Appendiculati*, and six new species are described. Mycologia 106(3): 464-480.
Boletus amygdalinus Thiers	*Suillellus amygdalinus* (Thiers) Vizzini, Simonini & Gelardi	Vizzini, A. (2014). Nomenclatural Novelties. IndexFungorum No. 188: 1.
Boletus aff. *appendiculatus* S chaeff.	*Butyriboletus persolidus* D. Arora & J.L. Frank	Arora, D. & Frank, J.L. (2014). Clarifying the butter Boletes: a new genus, *Butyriboletus*, is established to accommodate *Boletus* sect. *Appendiculati*, and six new species are described. Mycologia 106(3): 464-480.
Boletus eastwoodiae (Murrill) Sacc. & Trotter	*Rubroboletus eastwoodiae* (Murrill) Arora, C.F. Schwarz & J.L. Frank (nom. inval.)	The attempted transfer is invalid due to an incorrect basionym: Frank, J.L. (2015). Nomenclatural Novelties. IndexFungorum No. 248: 1.
Boletus eastwoodiae (Murrill) Sacc. & Trotter	*Rubroboletus eastwoodiae* Vasquez, Simonini, Svetasheva, Mikšík & Vizzini	Tibpromma, S., Hyde, K.D. & others. (2017). Fungal diversity notes 491–602: taxonomic and phylogenetic

		contributions to fungal taxa. Fungal Diversity 83(1): 1-261.
Boletus frustosus Snell & E.A. Dick	*Caloboletus frustosus* (Snell & E.A. Dick) D. Arora & J.L. Frank	Frank, J.L. (2014). Nomenclatural Novelties. IndexFungorum No. 194: 1.
Boletus haematinus Halling	*Rubroboletus haematinus* (Halling) D. Arora & J.L. Frank	Frank, J.L. (2015). Nomenclatural Novelties. IndexFungorum No. 248: 1.
Boletus mirabilis Murrill	*Aureoboletus mirabilis* (Murrill) Halling	Halling, R.E., Fechner, N., Nuhn, M., Osmundson, T., Soytong, K., Arora, D., Binder, M. & Hibbett, D. (2015). Evolutionary relationships of *Heimioporus* and *Boletellus* (Boletales), with an emphasis on Australian taxa including new species and new combinations in *Aureoboletus*, *Hemileccinum* and *Xerocomus*. Aust. Systematic Bot. 28(1): 1-22.
Boletus pulcherrimus Thiers & Halling	*Rubroboletus pulcherrimus* (Thiers & Halling) D. Arora, N. Siegel & J.L. Frank	Frank, J.L. (2015). Nomenclatural Novelties. IndexFungorum No. 248: 1.
Boletus aff. *regius* Krombh.	*Butyriboletus autumniregius* D. Arora & J.L. Frank *Butyriboletus querciregius* D. Arora & J.L. Frank *Butyriboletus primiiregius* D. Arora & J.L. Frank	Arora, D. & Frank, J.L. (2014). Clarifying the butter Boletes: a new genus, *Butyriboletus*, is established to accommodate *Boletus* sect. *Appendiculati*, and six new species are described. Mycologia 106(3): 464-480.
Boletus rubripes Thiers	*Caloboletus rubripes* (Thiers) Vizzini	Vizzini, A. (2014). Nomenclatural Novelties. IndexFungorum No. 146: 1-2.
Clitocybe flaccida (Sowerby) P. Kumm.	*Paralepista flaccida* (Sowerby) Vizzini	Vizzini, A. & Ercole, E. (2012). *Paralepistopsis* gen. nov. and *Paralepista* (Basidiomycota, Agaricales). Mycotaxon 120(1): 253-267.
Coprinellus angulatus Peck	*Tulosesus angulatus* (Peck) Wächter & A. Melzer	Wächter, D. & Melzer, A. (2020). Proposal for a subdivision of the family Psathyrellaceae based on a taxon-rich phylogenetic analysis with iterative multigene guide tree. Mycological Progress 19(11): 1151-1265.

Cortinarius rubicundulus (Rea) Pearson	*Cortinarius rubiginosus* Ammirati, Bojantchev, Niskanen & Liimat.	Niskanen , T. & Liimatainen, K. (2021). Nomenclatural novelties. Index Fungorum 506: 1-3. ITS sequence distinct from other members of C. sect. Crassi and with 97.2% similarity to the closest known species, C. rubicundulus.
Cortinarius trivialis J.E. Lange	*Cortinarius glutinosoarmillatus* Bojantchev, Ammirati, Liimat. & Niskanen	Bojantchev, D. (2018). Nomenclatural novelties. Index Fungorum no. 349: 1.
Craterellus cornucopioides Persoon	*Craterellus calicornucopioides* D. Arora & J.L. Frank	Frank, J.L. (2015). Nomenclatural Novelties. Index Fungorum 249: 1.
Crepidotus mollis (Fr.) Staude	*Crepidotus calolepis* (Fr.) P. Karst.	This species has long been called *Crepidotus mollis* in North America, but the true *C. mollis* has a smooth cap, unlike the fibrillose-brown scaley cap of *C. calolepsis*. Senn-Irlet, B. (1995). The Genus Crepidotus (Fr.) Staude in Europe. Persoonia 16(1): 1-80.
Discina perlata (Fr.) Fr.	*Gyromitra perlata* Fr. OR *Gyromitra ancilis* (Pers.) Kreisel	Methven, A.S., Zelski, S.E. & Miller, A.N. (2013). A molecular phylogenetic assessment of the genus *Gyromitra* in North America. Mycologia 105(5): 1306-1314. If *G. perlata* & *G. ancilis* are con-specific, then *G. ancilis* is the correct name.
Entoloma bloxami (Berk. & Broome) Sacc.	*Entoloma medianox* C.F. Schwarz	Schwarz, C.F. (2015). Nomenclatural Novelties. IndexFungorum No. 220: 1.
Fomitopsis cajanderi (P. Karst.) Kotl. & Pouzar	*Rhodofomes cajanderi* (P. Karst.) B.K. Cui, M.L. Han & Y.C. Dai	Han, M.-L. , Chen, Y.-Y. , Shen, L.L., Song, J., Vlasák, J., Dai, Y.-C. & Cui, B.-K. (2016). Taxonomy and phylogeny of the brown-rot fungi: *Fomitopsis* and its related genera. Fungal Diversity: 1-31.
Gastroboletus subalpinus Trappe & Thiers	*Boletus subalpinus* (Trappe & Thiers) Nuhn, Manfr. Binder, A.F.S. Taylor, Halling & Hibbet	Nuhn, M.E., Binder, M., Taylor, A.F., Halling, R.E. & Hibbett, D.S. (2013). Phylogenetic overview of the *Boletineae*. Fungal Biology 117(7–8): 479-511.

Gymnopus androsaceus (L.) J.L. Mata & R.H. Petersen	*Gymnopus androsaceus* (L.:Fr.) Della Maggiora & Trassinelli	Maggiora, M.D. (2014). Nomenclatural Novelites. IndexFungorum No. 171: 1.
Gymnopus quercophilus (Pouzar) Antonin & Noordel.	*Collybiopsis quercophila* (Pouzar) R.H. Petersen	Petersen, R.H. & Hughes, K.W. (2021). *Collybiopsis* and its type species, *Co. ramealis*. Mycotaxon 136(2): 263-349.
Gymnopus subpruinosus (Murrill) Desjardin, Halling & Hemmes	*Collybiopsis subpruinosa* (Pou zar) R.H. Petersen	Petersen, R.H. & Hughes, K.W. (2021). *Collybiopsis* and its type species, *Co. ramealis*. Mycotaxon 136(2): 263-349.
Gymnopus villosipes (Cleland) Desjardin, Halling, & Perry	Collybiopsis villosipes (Cleland) R.H. Petersen	Petersen, R.H. & Hughes, K.W. (2021). *Collybiopsis* and its type species, *Co. ramealis*. Mycotaxon 136(2): 263-349.
Helvella leucomelaena (Pers.) Nannfeldt	*Dissingia leucomelaena* (Pers.) K. Hansen & X.H. Wang	Hansen, K., Schumacher, T., Skrede, I., Huhtinen, S. & Wang, X.-H. (2019). *Pindara* revisited – evolution and generic limits in *Helvellaceae*. Persoonia 42: 186-204.
Hydnum umbilicatum Peck	*Hydnum oregonense* Norvell, Liimat. & Niskanen	Niskanen, T., Liimatainen, K., Nuytinck, J., Kirk, P., Ibarguren, I.O., Garibay-Orijel, R., Norvell, L., Huhtinen, S., Kytövuori, I., Ruotsalainen, J., Niemelä, T., Ammirati, J.F. & Tedersoo, L. (2018). Identifying and naming the currently known diversity of the genus *Hydnum*, with an emphasis on European and North American taxa. Mycologia 110(5): 890-918.
Hygrophorus agathosmus Fries	*Hygrophorus albofloccosus* C.F. Schwarz, Lebeuf & Bellanger	Bellanger, J.-M., Lebeuf, R., Sesli, E., Loizides, M., Schwarz, C., Moreau, P.-A., Liimatainen, K. & Larsson, E. (2021). *Hygrophorus* sect. *Olivaceoum brini*: new boundaries, extended biogeography and unexpected diversity unravelled by transatlantic studies. Persoonia 46: 272-312.
Hygrophorus erubescens (Fr.) Fr.	*Hygrophorus neoerubescens*Papetti, Peintner & Simonini	Papetti, C, Peintner, U. & Simonini, G. (2019). *Hygrophorus neoerubescens* sp. nov. Il lectotypus obbligatorio di *Hw. erubescens* è rappresentato da una specie di *Rhodocollybia*. Rivista di Micologia. 62(3):195-213.

Inocybe adaequata (Britzelm.) Sacc.	*Inosperma adaequatum Matheny & Esteve-Rav.*	Matheny, P.B., Hobbs, A.M. & Esteve-Raventós, F. (2020). Genera of Inocybaceae: New skin for the old ceremony. Mycologia 112(1): 83-120.
Inocybe calamistrata (Fr.) Gillet	*Inosperma calamistratum* (Fr.) Matheny & Esteve-Rav.	Matheny, P.B., Hobbs, A.M. & Esteve-Raventós, F. (2020). Genera of Inocybaceae: New skin for the old ceremony. Mycologia 112(1): 83-120.
Inocybe lilacina (Peck) Kauffman	*Inocybe pallidicrema* Grund & D.E. Stuntz	There are two *Inocybe* species in California previously misidentified as *I. lilacina*: *I. ionocephala* and *I. pallidicrema*. Matheny, P.B. & Swenie, R.A. (2018). The *Inocybe geophylla* group in North America: a revision of the lilac species surrounding *I. lilacina*. Mycologia 110: 618-634.
Inocybe sororia Kauffman	*Pseudosperma sororium (Kauffman) Matheny & Esteve-Rav.*	Matheny, P.B., Hobbs, A.M. & Esteve-Raventós, F. (2020). Genera of *Inocybaceae*: New skin for the old ceremony. Mycologia 112(1): 83-120.
Lactarius rubidus (Hesler & A.H. Sm.) Methven comb. prov.	*Lactarius rubidus* (Hesler & A.H. Sm.) Methven	Kuo, M., Methven, A.S., Minnis, A.M. & Halling, R.E. (2013). Studies of North American macrofungi, 1. Validation of *Lactarius rubidus* comb. nov. and *Leccinellum quercophilum* sp. nov. Mycotaxon 124(1): 323-332.
Leptonia carnea Largent	*Entoloma subcarneum* (Largent) Blanco-Dios	Co-David, D., Langeveld, D. & Noordeloos, M.E. (2009). Molecular phylogeny and spore evolution of *Entolomataceae*. Persoonia 23: 147-176. Blanco-Dios, J.B. (2015). Notas sobre el género *Entoloma* en el Noroeste de la Península Ibérica (VII): nuevas combinaciones y nuevos nombres. Tarrelos. 17:32-38.
Leucoagaricus erythrophaeus Vellinga	*Leucocoprinus erythrophaeus* (Vellinga) Redhead	Redhead, S. A. (2023). Nomenclatural Novelties. Index Fungorum 551: 1.
Leucoagaricus flammeotinctus comb. prov.	Leucocoprinus flammeotinctus (Kauffman) Redhead	Redhead, S. A. (2023). Nomenclatural Novelties. Index Fungorum 551: 1.

Leucoagaricus leucothites	*Leucocoprinus leucothites* (Vittad.) Redhead	Redhead, S. A. (2023). Nomenclatural Novelties. Index Fungorum 551: 1.
Lycoperdon pyriforme Schaeff.: Pers.	*Apioperdon pyriforme* (Schaeff.) Vizzini	Vizzini, A. & Ercole, E. (2017). Detecting the phylogenetic position of *Bovista acuminata* (Agaricales , Basidiomycota) by an ITS-LSU combined analysis: the new genus *Bryoperdon* and revisitation of *Lycoperdon* subgen. Apioperdon. Phytotaxa 299 (1): 77-86.
Micromphale sequoiae Desjardin	Paragymnopus sequoiae (Desjardin) J.S. Oliveira	Oliveira, J.J.S., Vargas-Isla, R., Cabral, T.S., Rodrigues, D.P. & Ishikawa, N.K. (2019). Progress on the phylogeny of the *Omphalotaceae*: *Gymnopus* s. str., *Marasmiellus* s. str., *Paragymnopus* gen. nov. and *Pusillomyces* gen. nov. Mycological Progress 18(5): 713-739.
Morchella septimelata M. Kuo	*Morchella eximia* Boud.	Richard, F., Bellanger, J.-M. , Clowez, P., Hansen, K., O'Donnell, K., Urban, A., Sauve, M., Courtecuisse, R. & Moreau, P.-A. . (2015). True morels (*Morchella*, Pezizales) of Europe and North America: evolutionary relationships inferred from multilocus data and a unified taxonomy. Mycologia 107(2): 359-382.
Mycena nivicola B. A. Perry & Desjardin nom. prov.	*Mycena nivicola* B. A. Perry & Desjardin	Perry, B.A. & Desjardin, D.E. (2016). New species of *Mycena* (*Basidiomycota*, *Agaricales*) from California. Phytotaxa 269(1): 33-40.
Neohygrophorus angelesianus (A.H. Smith & Hesler) Singer	*Pseudoomphalina angelesiana* (A.H. Sm. & Hesler) Vizzini, Contu & Z.W. Ge	Lavorato, C., Vizzini, A., Ge, Z.-W. & Contu, M. (2015). Redescription of *Clitocybe umbrinopurpurascens* (Basidiomycota , Agaricales) and revision of *Neohygrophorus* and *Pseudoomphalina*. Phytotaxa 219(1): 43-57.
Nivatogastrium nubigenum (Harkn.) Singer & A.H. Smith	*Pholiota nubigena* (Harkn.) Redhead	Redhead, S. (2014). Nomenclatural Novelites. IndexFungorum No. 148: 1.
Pachylepyrium carbonicola (A.H. Sm.) Singer	*Crassisporium funariophilum* (M.M. Moser) Matheny, P.-A. Moreau & Vizzini	Matheny, P.B., Moreau, P.-A. , Vizzini, A., Harrower, E., De Haan, A., Contu, M. & Curti, M. (2014). *Crassisporium* and *Romagnesie*

		lla: two new genera of dark-spored Agaricales. Systematics and Biodiversity Systematics and Biodiversity 13(1): 28-41.
Paxillus involutus (Batsch) Fr.	*Paxillus cuprinus* P. Jargeat, H. Gryta, J.P. Chaumeton & Vizzini	This is the correct name for the "*P. involutus*" that occurs with birch. Similar species that have been called "*P. involutus*" and grows with oaks and pines may also need new names. Jargeat, P., Chaumeton, J.-P. , Navaud, O., Vizzini, A. & Gryta, H. (2014). The *Paxillus involutus* (Boletales, Paxillaceae) complex in Europe: Genetic diversity and morphological description of the new species *Paxillus cuprinus*, typification of *P. involutus* s.s., and synthesis of species boundaries. Fungal Biology 118(1): 12-31. Vellinga E.C., Blanchard E.P., Kelly S., Contu M., (2012). *Paxillus albidulus*, *P. ammoniavirescens*, and *P. validus* revisited. Mycotaxon 119: 251-359.
Peziza violacea Pers.	*Geoscypha violacea* (Pers.) Lambotte	Van Vooren, N. (2020). Reinstatement of old taxa and publication of new genera for naming some lineages of the *Pezizaceae* (*Ascomycota*). Ascomycete.org 12(4): 179-192.
Phellinus gilvus (Schwein.) Patouillard	*Fuscoporia gilva* (Schwein.) T. Wagner & M. Fisch.	Wagner, T. & Fischer, M. (2002). Proceedings towards a natural classification of the worldwide taxa *Phellinus* s.l. and *Inonotus* s.l., and phylogenetic relationships of allied genera. Mycologia 94(6): 998-1016.
Phellinus pomaceus (Pers.) Maire	*Phellinus pomaceoides* Vlasák & L.W. Zhou	Zhou, L.-W., Vlasák, J., Qin, W.-M. & Dai, Y.-C. (2016). Global diversity and phylogeny of the *Phellinus igniarius* complex (Hymenochaetales, Basidiomycota) with the description of five new species. Mycologia 108(1): 192-204. Zhou, L.-W. , Nakasone, K.K., Burdsall, H.H., Ginns, J., Vlasák, J., Miettinen, O., Spirin, V., Niemelä, T.,

		Yuan, H.-S. , He, S.-H. , Cui, B.-K. , Xing, J.-H. & Dai, Y.-C. . (2016). Polypore diversity in North America with an annotated checklist. Mycological Progress: 1-20.
Pholiota astragalina (Fr.) Singer	*Pyrrhulomyces astragalinus* (Fr.) E.J. Tian & Matheny	Tian, E.-j. & Matheny, P.B. (2020). A phylogenetic assessment of *Pholiota* and the new genus *Pyrrhulomyces*. Mycologia 113(1): 146-167.
Pholiota highlandensis Peck	*Pholiota molesta* A.H. Sm. & Hesler	P. highlandensis was a misapplied name. Matheny, P.B., Swenie, R.A., Miller, A.N., Petersen, R.H. & Hughes, K.W. (2018). Revision of pyrophilous taxa of *Pholiota* described from North America reveals four species—*P. brunnescens*, *P. castanea*, *P. highlandensis*, and P. molesta. Mycologia: 1-20.
Postia leucospongia (Cooke & Harkn.) Jülich	*Spongiporus leucospongia* (Cooke & Harkn.) Murrill	Ortiz-Santana, B., Lindner, D.L., Miettinen, O., Justo, A. & Hibbett, D.S. (2013). A phylogenetic overview of the antrodia clade (*Basidiomycota*, *Polyporales*). Mycologia 105(6): 1391-1411.
Psathyrella candolleana Fr.	*Candolleomyces candolleanus* (Fr.)Wächter&A.Melzer	Wächter, D. & Melzer, A. (2020). Proposal for a subdivision of the family *Psathyrellaceae* based on a taxon-rich phylogenetic analysis with iterative multigene guide tree. Mycological Progress 19(11): 1151-1265.
Pseudorhizina californica (W. Phillips) Harmaja	*Gyromitra californica* (W. Phillips) Raitv.	Methven, A.S., Zelski, S.E. & Miller, A.N. (2013). A molecular phylogenetic assessment of the genus *Gyromitra* in North America. Mycologia 105(5): 1306-1314.
Russula eccentrica Peck	*Russula cantharellicola* Arora & N.H. Nguyen	Arora, D., & N.H. Nguyen. (2014). A new species of *Russula*, subgenus *Compactae* from California North American Fungi 9(8): 1-7.
Stropharia riparia A.H. Sm.	*Leratiomyces riparius* (A.H. Sm.) Redhead	Redhead, S. (2014). Nomenclatural Novelites. IndexFungorum No. 142: 1.

Tricholoma magnivelare (Peck) Redhead	*Tricholoma murrillianum* Singer	Our west coast 'matsutake' is distinct from the east coast 'matsutake', *T. magnivelare*, according to DNA and morphological data. Trudell, S. A., Xu, J., Justo, A., Saar, I. & Cifuentes, J. (2017): North American matsutake: Names clarified and a new species described, Mycologia 109(3): 379-390.
Xerocomellus chrysenteron (Bull.) Quél.d	*Xerocomellus diffractus* N. Siegel, C.F. Schwarz, & J.L. Frank	*Xerocomellus chrysenteron* is a morphologically similar, but genetically distinct species that appears to be restriced to Europe. Frank, J., Siegel, N., Schwarz, C., Araki, B. & Vellinga, E. (2020). *Xerocomellus* (*Boletaceae*) in western North America. Fungal Systematics and Evolution 6: 265-288.
Xerocomellus dryophilus (Thiers) comb. prov.	*Xerocomellus dryophilus* (Thiers) N. Siegel, C.F. Schwarz & J.L. Frank	Frank, J.L. (2014). Nomenclatural Novelties. IndexFungorum No. 179: 1.
Xerocomellus truncatus comb. prov.	*Xerocomellus mendocinensi*s (Thiers) N. Siegel, C.F. Schwarz & J.L. Frank	*Xerocomellus truncatus* is a morphologically similar, but genetically distinct species that appears to be restriced to the Eastern United States. Frank, J., Siegel, N., Schwarz, C., Araki, B. & Vellinga, E. (2020). *Xerocomellus* (*Boletaceae*) in western North America. Fungal Systematics and Evolution 6: 265-288.
Xerocomellus zelleri (Murrill) Klofac	*Xerocomellus atropurpureus* J.L. Frank, N. Siegel & C.F. Schwarz	*Xerocomellus zelleri* is morphologically very similar but genetically distinct from *X. atropurpureus*. It is rare in California while *X. atropurpureus* is common. Frank, J., Siegel, N., Schwarz, C., Araki, B. & Vellinga, E. (2020). *Xerocomellus* (*Boletaceae*) in western North America. Fungal Systematics and Evolution 6: 265-288.

Potential Name Changes

(Possible name changes needing further data/research.)

Book Name	Possible New Name	Reference & Details
Clitocybe albirhiza	*Rhizocybe albirhiza*	*C. albirhiza* may belong in the new genus *Rhizocybe*. Molecular data is needed, along with further analysis of the *Clitocybe*/*Lepista*/*Rhizocybe* clades. Alvarado, P., Moreno, G., Vizzini, A., Consiglio, G., Manjón, J.L. & Setti, L. (2015). *Atractosporocybe*, *Leucocybe* and *Rhizocybe*: three new clitocyboid genera in the Tricholomatoid clade (Agaricales) with notes on *Clitocybe* and *Lepista*. Mycologia 107(1): 123-136.
Cortinarius albofragrans	*Phlegmacium albofragrans*	If you choose to accept the recent division of *Cortinarius* into 10 genera, the correct name for this taxon is *Phlegmacium albofragrans* Liimatainen, K., Kim, J.T., Pokorny, L., Kirk, P.M., Dentinger, B. & Niskanen, T. (2022). Taming the beast: a revised classification of *Cortinariaceae* based on genomic data. Fungal Diversity.
Cortinarius fuligineofolius	*Thaxterogaster fuligineofolius*	If you choose to accept the recent division of *Cortinarius* into 10 genera, the correct name for this taxon is *Thaxterogaster fuligineofolius* Liimatainen, K., Kim, J.T., Pokorny, L., Kirk, P.M., Dentinger, B. & Niskanen, T. (2022). Taming the beast: a revised classification of *Cortinariaceae* based on genomic data. Fungal Diversity.
Cortinarius percomis	*Phlegmacium percome*	If you choose to accept the recent division of *Cortinarius* into 10 genera, the correct name for this taxon is *Phlegmacium percome* Liimatainen, K., Kim, J.T., Pokorny, L., Kirk, P.M., Dentinger, B. & Niskanen, T. (2022). Taming the beast: a revised classification of *Cortinariaceae* based on genomic data. Fungal Diversity.
Cortinarius superbus	*Phlegmacium superbum*	If you choose to accept the recent division of *Cortinarius* into 10 genera, the correct name for this taxon is *Phlegmacium superbum*

		Liimatainen, K., Kim, J.T., Pokorny, L., Kirk, P.M., Dentinger, B. & Niskanen, T. (2022). Taming the beast: a revised classification of *Cortinariaceae* based on genomic data. Fungal Diversity.
Cortinarius xanthodryophilus	*Calonarius xanthodryophilus*	If you choose to accept the recent division of *Cortinarius* into 10 genera, the correct name for this taxon is *Calonarius xanthodryophilus* Liimatainen, K., Kim, J.T., Pokorny, L., Kirk, P.M., Dentinger, B. & Niskanen, T. (2022). Taming the beast: a revised classification of *Cortinariaceae* based on genomic data. Fungal Diversity.
Fomitopsis pinicola	Fomitopsis mounceae ??? Fomitopsis schrenkii ???	Haight et al. (2019) described *Fomitopsis mounceae* and *F. schrenkii* from North America as new species, distinct from *F. pinicola* of Europe. They indicated that *F. pinicola* represented a single species in Europe, not a complex. North American populations that they described as the new species *F. mounceae* are fully sexually compatible with *F. pinicola* from Europe based on single spore isolate matings (proven by Mounce and Macrae in 1938), suggesting that the two entities belong to the same biological species. Although they had single spore isolates of *F. schrenkii*, they did not report mating them to isolates of *F. mounceae*, so whether these two "species" are sexually compatible or intersterile is not known. ITS sequences at what they reported as taxonomically and diagnostically important sites helping to distinguish species within the *F. pinicola* complex differ by only one base pair between *F. mounceae* and *F. schrenkii*. Moreover, the morphological and ecological features of these two "species" documented by the authors are nearly indistinguishable, differing only by basidiospore Q-values (spores slightly broader in *F. schrenkii*). Based on the data provided in the Haight et al. paper, and given that the North American populations of *F. mounceae* are sexually compatible with *F. pinicola*, it is equally reasonable to recognize the North American *F. mounceae* and *F. schrenkii* (which are sympatric at least in Utah) represent populations of *F. pinicola* in the process of allopatric speciation. We are hesitant to recognize them as distinct new

		species. *Fomitopsis ochracea*, also reported in their paper, is clearly a species distinct from *F. pinicola* based on the data they provided. Haight, J.-E., Nakasone, K.K., Laursen, G.A., Redhead, S.A., Taylor, D.L. & Glaeser, J.A. (2019). Fomitopsis mounceae and F. schrenkii—two new species from North America in the F. pinicola complex. Mycologia 111(2): 339-357.
Hygrophorus hypothejus	*Hygrophorus siccipes* AND/OR *Hygrophorus boyeri*	*Hygrophorus hypothejus* seems to be restricted to Europe. *Hygrophorus siccipes* and *Hygrophorus boyeri* are possible names for our California material. More data is needed to clarify the name of our taxon or taxa. Moreau, P.-A., Bellanger, J.-M., Lebeuf, R., Athanassiou, Z., Athanasiades, A., Lambert, H., Schwarz, C., Larsson, E. & Loizides, M. (2018). Hidden diversity uncovered in *Hygrophorus* sect. *Aurei* (*Hygrophoraceae*), including the Mediterranean *H. meridionalis* and the North American *H. boyeri*, spp. nov. Fungal Biology 122(8): 817-836.
Polyozellus multiplex	*Polyozellus atrolazulinus* AND/OR *Polyozellus marymargaretae*	This is a species complex, more research is needed to determine our California taxon. *P. multiplex* is found in the Eastern U.S. and Canada plus China and Japan. Voitk, A., Saar, I., Trudell, S., Spirin, V., Beug, M. & Kõljalg, U. (2017). *Polyozellus multiplex* (*Thelephorales*) is a species complex containing four new species. Mycologia 109(6): 975-992.
Postia caesia	*Postia simulans*	*Postia ceasia* is not known to occur in North America. A candidate name for our species is *Postia simulans*, but more data/research is needed on western North American collections. Miettinen, O., Vlasák, J., Rivoire, B. & Spirin, V. (2018). *Postia caesia* complex (*Polyporales*, *Basidiomycota*) in temperate Northern Hemisphere. Fungal Systematics and Evolution 1(1): 101-129. Shen, L., Wang, M., Zhou, J., Xing, J., Cui, B. & Dai, Y. (2019). Taxonomy and phylogeny of Postia. Multi-gene phylogeny and taxonomy of the brown-rot fungi: Postia (Polyporales,

		Basidiomycota) and related genera . Persoonia 42: 101-126.