

# A PRELIMINARY CHECKLIST OF ARIZONA MACROFUNGI

Scott T. Bates  
School of Life Sciences  
Arizona State University  
PO Box 874601  
Tempe, AZ 85287-4601

## ABSTRACT

A checklist of 1290 species of nonlichenized ascomycetaceous, basidiomycetaceous, and zygomycetaceous macrofungi is presented for the state of Arizona. The checklist was compiled from records of Arizona fungi in scientific publications or herbarium databases. Additional records were obtained from a physical search of herbarium specimens in the University of Arizona's Robert L. Gilbertson Mycological Herbarium and of the author's personal herbarium. This publication represents the first comprehensive checklist of macrofungi for Arizona. In all probability, the checklist is far from complete as new species await discovery and some of the species listed are in need of taxonomic revision. The data presented here serve as a baseline for future studies related to fungal biodiversity in Arizona and can contribute to state or national inventories of biota.

## INTRODUCTION

Arizona is a state noted for the diversity of its biotic communities (Brown 1994). Boreal forests found at high altitudes, the 'Sky Islands' prevalent in the southern parts of the state, and ponderosa pine (*Pinus ponderosa* P.& C. Lawson) forests that are widespread in Arizona, all provide rich habitats that sustain numerous species of macrofungi. Even xeric biomes, such as desertscrub and semidesert-grasslands, support a unique mycota, which include rare species such as *Itajahya galericulata* A. Møller (Long & Stouffer 1943b, Fig. 2c). Although checklists for some groups of fungi present in the state have been published previously (e.g., Gilbertson & Budington 1970, Gilbertson et al. 1974, Gilbertson & Bigelow 1998, Fogel & States 2002), this checklist represents the first comprehensive listing of all macrofungi in the kingdom Eumycota (Fungi) that are known from Arizona. In addition to providing a taxonomic framework to aid those workers whose investigations involve macrofungi found in Arizona, checklists such as this contribute to state and national inventories of biota and can aid future studies related to fungal and biological diversity.

This checklist includes 1290 nonlichenized species of macrofungi in the phyla Ascomycota, Basidiomycota, and Zygomycota that are present in Arizona. Species of lichenized fungi that are found in the region have been covered extensively in other publications (e.g., Nash et al. 2002, Nash et al. 2004, Sweat et al. 2004). The term macrofungi (or macromycetes) can be defined as species of fungi that produce fruiting bodies visible without the aid of a microscope (Kirk et al. 2001), and can be further defined to include only those fungi that produce fruiting bodies greater than one centimeter in height and/or width (Redhead 1997). The term refers specifically to the sporocarp of the fungal organism rather than the mycelium, which lives underground or within decomposing substrata such as rotting logs. Macrofungi

include well-known groups that have been described by popular terms such as ‘cup fungi’, ‘bracket fungi’, ‘mushrooms’, ‘puffballs’, and ‘truffles’. These terms reflect the morphological diversity (Figs. 1 & 2) that is encountered within the fungi.

Overall, fungal organisms play important roles in the Earth’s ecosystems. Saprobic macrofungi perform a critical function in carbon cycling by decomposing woody debris from the forest floor, thus making this source of carbon available to other organisms (Gilbertson & Bigelow 1998). Because their hyphae act as an interface for nutrient absorption between soil and vegetation, ectomycorrhizal fungi, which produce macroscopic fruiting bodies, are considered to be invaluable components of forest ecosystems (Read & Perez-Moreno 2003). Furthermore, it has been noted that hypogeous species of macrofungi can be an important food source for fauna such as the tassel-eared squirrel, *Sciurus aberti* Woodhouse (States 1983).

Although there is a perceived paucity of literature covering macrofungi from the southwestern United States (Nishida et al. 1992), the tremendous efforts of field mycologists such as R.L. Gilbertson and J.S. States have left numerous records of Arizona macrofungi in publications and as herbarium specimens. Also of note are W.H. Long’s specimens in the U.S. National Fungus Collection and his pioneering studies in the gasteromycetes (e.g., Long 1941, Long 1944, Long & Stouffer 1948a-b), which comprise the majority of records of macrofungi known from Arizona prior to the 1950’s. More recently, there has been an ongoing diversity study of the mycoflora found in the ‘Sky Islands’ of southern Arizona’s Chiricahua Mountains (Nishida et al. 1992). Considering that approximately 5% of the Earth’s fungal species have been described (Hawksworth 2001), it is probable that additional species of macrofungi await discovery in Arizona. Indeed, several new species from the state have been recognized and now await formal description (Bessette et al. 2000, Tulloss 2005).

## METHODS

The species of macrofungi cited in this paper have been culled from a survey of the scientific literature. Additional state records were obtained by searching herbarium databases that are available online through the New York Botanical Garden (NY, <http://sciweb.nybg.org/science2/hcol/fungi/index.asp>), Oregon State University Herbarium (OSC, <http://ocid.nacse.org/research/herbarium/myco/>), University of Michigan Fungus Collection (MICH, <http://herbarium.lsa.umich.edu/>), University of Tennessee Herbarium (TENN, <http://tenn.bio.utk.edu/fungus/>), and the U.S. National Fungus Collections (BPI, <http://www.ars.usda.gov/main/>). It should also be noted that many of the species cited from the literature are also deposited as specimens in herbaria (e.g., Gilbertson et al. 1974, Gilbertson & Bigelow 1998, Gilbertson & Ryvarden 1986-1987, Long & Stouffer 1948a-b, Nishida et al. 1992, States 1984, Thiers 1976). Data from the literature and herbarium databases were supplemented by records acquired from the author’s personal herbarium (hb. STB) and from the University of Arizona’s Robert L. Gilbertson Mycological Herbarium (ARIZ) after a physical search of specimens housed there.

All of the records obtained were entered into a database that contained 3253 individual records, each citing a source as well as the binomial as it was originally published. If synonyms existed, the current name cited online in the CABI Index Fungorum (<http://www.indexfungorum.org>) was used. Species names that appeared in multiple records were reduced to one entry for the checklist. The entries are followed by annotations (in brackets), which indicate the source record for each species included in the checklist (see *Annotation Key* below). If no previous published report of the species' occurrence in Arizona existed, then the annotation 'NR' indicates a new record. The system of classification used follows that given in the 9<sup>th</sup> edition of *Ainsworth and Bisby's Dictionary of Fungi* (Kirk et al. 2001). This system has integrated much of the current molecular phylogenetic data into its classification scheme. Abbreviations for fungal authors follow the standards used in *Authors of Plant Names* (Brummit & Powell 1992). All records in the original database are accessible online through the Arizona State University Natural History Collections (<http://nhc.asu.edu/nhc/azmacrofungi/>) as part of an online version of the checklist, which will be updated as additional records become available in the future.

## DISCUSSION AND CONCLUSIONS

Approximately 35% of the species that appear in this checklist are reported from Arizona for the first time. For this study, it was not possible to examine all specimens documented in the checklist for the purpose of verifying species level identifications. Besides being a monumental task, such an endeavor would have been beyond the expertise of the author. Therefore, it is quite possible that the checklist contains some inaccuracies. For example, it has been suggested that many of the *Amanita* species appearing in the checklist (e.g., *A. bisporigera*, *A. caesarea*, *A. citrina*, *A. crocea*, *A. fulva*, *A. gemmata*, *A. pantherina*, *A. vaginata*, *A. verna*, and *A. virosa*) are likely to be misapplied European species names (Tulloss, pers. comm.). In cases such as these, further study by qualified mycologists is required before accurate determinations can be made. However, it is very likely that the majority of the species contained in the list, particularly those cited from the literature, are accurate as many have been identified by mycologists who are specialists in their field (e.g., Bates 2004, Desjardin et al. 1992, Fatto 2000, Gilbertson & Ryvarden 1986-1987, Hesler & Smith 1979, Long & Stouffer 1948a-b, Nishida et al. 1992, States & Fogel 1999, Thiers 1976, Tulloss 2005, Wright 1987). The checklist should be considered provisional as a great deal of exploration, investigation, and taxonomic revision is required before a complete checklist of Arizona macrofungi is obtainable. This publication represents progress toward that goal.

## ACKNOWLEDGMENTS

I thank the New York Botanical Garden, Oregon State University Herbarium, University of Michigan Fungus Collection, University of Tennessee Herbarium, and U.S. National Fungus Collection for making their specimen databases available via the World Wide Web. Dr. R.L. Gilbertson and Dr. A.E. Arnold of the Robert L. Gilbertson Mycological Herbarium offered advice, access to specimens, and generously assisted me throughout this project. Hugo Beraldí, Tonya R.

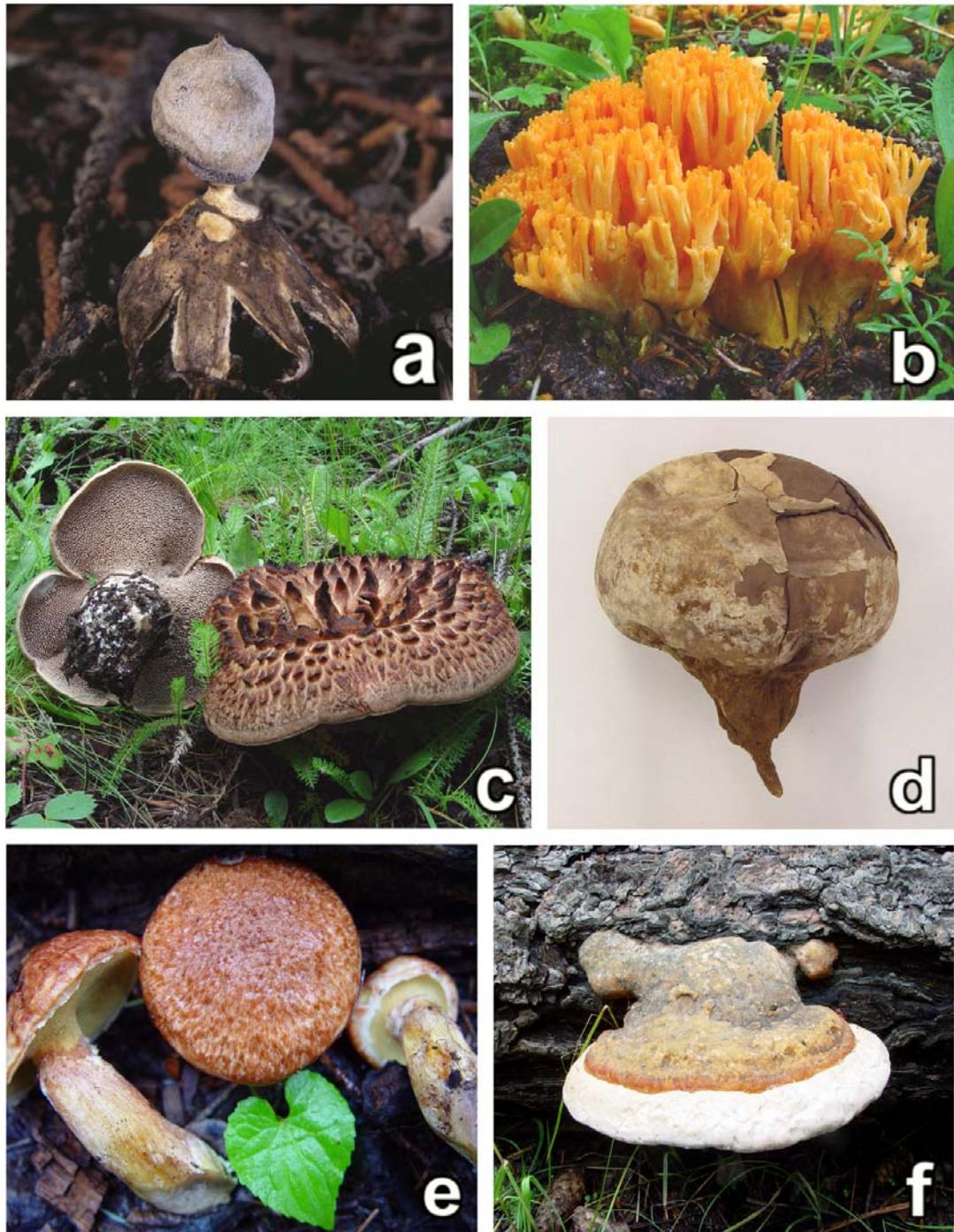
Boschmann, Darvin DeShazer, and Michael Wood contributed by reading over the manuscript, offering suggestions and/or taxonomic guidance. Robin T. Schroeder patiently assisted me in making the original database available online through the web-based version of the checklist (<http://nhc.asu.edu/nhc/azmacrofungi/>). Dr. R. Fogel offered assistance in procuring records from the University of Michigan Fungus Collection database. Dr. R.E. Tulloss kindly reviewed the *Amanita* species and offered taxonomic advice. Dr. E.C. Vellinga amiably offered suggestions concerning the taxonomy and nomenclature of various taxa, including species in the genus *Lepiota*. The late, R.M. Fatto contributed *Russula* records and words of guidance through personal communications. Finally, I thank Dr. C.R. Leathers for introducing me to the Arizona mycota and Drs. D.E. Desjardin, T.H. Nash III, and R.W. Roberson for the role that they played in expanding my knowledge of the lichenized and nonlichenized fungi.

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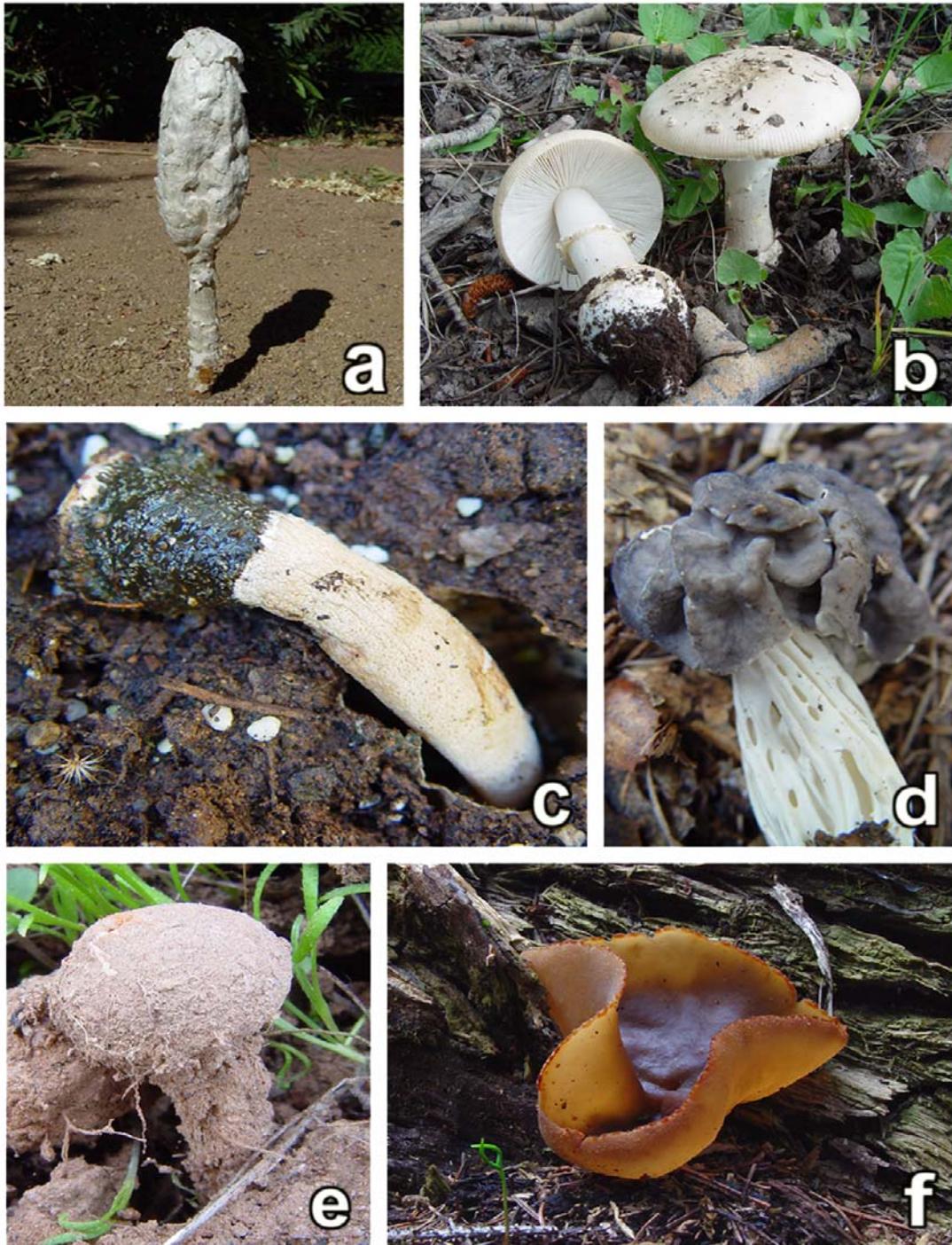
**Annotation Key.** Annotations [in brackets] follow each taxon, indicating those records that are new for Arizona (NR) and citing the source for each record with a number (see *Literature Cited*):

**NR** - New Record for Arizona; **1** – Arora 1979; **2** – Bates 2004; **3** – Burdsall & Gilbertson 1982; **4** – Cavalieri 1964; **5** – Demoulin 1972; **6** – Demoulin 1993; **7** – Desjardin et al. 1992; **8** – Fatto 2000; **9** – Fatto 2002; **10** – Fogel 1994; **11** – Fogel & Pacioni 1989; **12** – Fogel & States 2001; **13** – Fogel & States 2002; **14** – Gilbertson 1974; **15** – Gilbertson & Bigelow 1998; **16** – Gilbertson & Blackwell 1982; **17** – Gilbertson & Budington 1970; **18** – Gilbertson & Burdsall 1975; **19** – Gilbertson et al. 1976; **20** – Gilbertson & Canfield 1973; **21** – Gilbertson et al. 1979; **22** – Gilbertson & Lindsey 1975; **23** – Gilbertson & Lindsey 1978; **24** – Gilbertson & Lindsey 1989; **25** – Gilbertson & Lowe 1970; **26** – Gilbertson et al. 1974; **27** – Gilbertson & Ryvarden 1986; **28** – Gilbertson & Ryvarden 1987; **29** – Hesler & Smith 1979; **30** – Lindsey & Gilbertson 1975; **31** – Lindsey & Gilbertson 1977a; **32** – Lindsey & Gilbertson 1977b; **33** – Long 1941; **34** – Long 1944; **35** – Long 1946a; **36** – Long 1946b; **37** – Long & Miller 1945; **38** – Long & Stouffer 1943a; **39** – Long & Stouffer 1943b; **40** – Long & Stouffer 1946; **41** – Long & Stouffer 1948a; **42** – Long & Stouffer 1948b; **43** – McKnight 1985; **44** – Morse 1933; **45** – Nakasone & Gilbertson 1978; **46** – Nishida et al. 1992; **47** – Ranzoni 1968; **48** – Rizzo et al. 2003; **49** – Shear 1902; **50** – Smith 1974; **51** – States 1983; **52** – States 1984; **53** – States 1991; **54** – States & Fogel 1999; **55** – States & Gaud 1997; **56** – Thiers 1976; **57** – Tulloss 2005; **58** – Tulloss & Lindgren 1994; **59** – Wright 1987; **60** – ARIZ; **61** – BPI; **62** – MICH; **63** – NY; **64** – OSC; **65** – hb. STB; **66** – TENN; **67** – White Mountains checklist (pers. comm. C.R. Leathers); **68** – R.M. Fatto (pers. comm.)

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**Macrofungi** Figure 1. Varying sporocarp morphology in nonlichenized macrofungi:  
(a) Earthstar – *Geastrum minimum*; (b) Coral Fungus – *Ramaria* sp.; (c) Tooth Fungus – *Sarcodon imbricatus*; (d) Puffball – *Calvatia fragilis*; (e) Bolete – *Suillus lakei*; (f) Bracket Fungus – *Fomitopsis pinicola*.



**Macrofungi** Figure 2. Varying sporocarp morphology in nonlichenized macrofungi:  
(a) Secotioid Fungus – *Podaxis pistillaris*; (b) Mushroom – *Amanita* sp.; (c) Stinkhorn – *Itajahya galericulata*; (d) Elvin Saddle – *Helvella lacunosa*; (e) Stalked Puffball – *Tulostoma* sp.; (f) Cup Fungus – *Peziza* sp.

## PRELIMINARY CHECKLIST OF ARIZONA MACROFUNGI

### **ASCOMYCOTA**

#### **Elaphomycetales**

- Elaphomycetes decipiens* Vittad. [11,13]
- Elaphomycetes granulatus* var. *asperulus* (Vittad.) Hawker [11]
- Elaphomycetes granulatus* var. *granulatus* Fr. [13,51,55]
- Elaphomycetes reticulatus* Vittad. [11,13]
- Elaphomycetes verrucosus* C.W. Dodge [13,51]

#### **Helotiales**

- Ascocoryne sarcoides* (Jacq.: Fr.) J.W. Groves & D.E. Wilson [NR,60]
- Bisporella citrina* (Batsch: Fr.) Korf & S.E. Carp. [NR,60,62]
- Chlorociboria aeruginosa* (Oeder: Fr.) Seaver ex C.S. Ramamurthi, Korf & L.R. Batra [NR,61,62]
- Cudonia circinans* (Pers.) Fr. [NR,60]
- Cudonia grisea* Mains [NR,67]
- Cudonia lutea* (Peck) Sacc. [NR,60]
- Mitrula gracilis* P. Karst. [NR,60]
- Pachycedonnia monticola* (Mains) S. Imai [NR,62]
- Pachycedonnia spathulata* (S. Imai) S. Imai [NR,67]
- Spathularia flavidula* Pers.: Fr. [NR,60,61,62]
- Stromatinia gladioli* (Drayton) Whetzel [NR,61]

#### **Hypocreales**

- Cordyceps militaris* (L.: Fr.) Link [NR,60]
- Cordyceps sobolifera* (Hill ex Watson) Berk. & Broome [NR,60]
- Hypocrea citrina* var. *americana* Canham [NR,61]
- Hypocrea citrina* var. *citrina* (Pers.) Fr. [NR,60]
- Hypomyces aurantius* (Pers.) Fuckel [NR,60]
- Hypomyces hyalinus* (Schwein.) Tul. & C. Tul. [NR,60]
- Hypomyces lactifluorum* (Schwein.) Tul. [NR,60,62]
- Hypomyces luteovirens* (Fr.) Tul. & C. Tul. [NR,62,67]
- Hypomyces papyraceus* (Ellis & Holw.) Seaver [NR,60]

- Hypomyces polyporinus* Peck [NR,60]
- Hypomyces rosellus* (Alb. & Schwein.: Fr.) Tul. & C. Tul. [NR,60,61]
- Hypomyces viridis* (Alb. & Schwein.) P. Karst. [NR,62]
- Podostroma alutaceum* (Pers.) G.F. Atk. [NR,60]

#### **Pezizales**

- Aleuria aurantia* (Pers.) Fuckel [NR,61]
- Aleuria rubra* L.R. Batra [NR,64]
- Anthracobia melaloma* (Alb. & Schwein.) Arnould [NR,62]
- Balsamia magnata* Harkn. [11,51,55]
- Balsamia nigrescens* Harkn. [13]
- Barssia oregonensis* Gilkey [NR,64]
- Caloscypha fulgens* (Pers.: Fr.) Boud. [NR,60,65]
- Carbomyces emergens* Gilkey [13,60]
- Discina ancilis* (Pers.) Sacc. [NR,62]
- Flavoscypha cantharella* (Fr.) Harmaja [NR,62]
- Geopora arenicola* (Lév.) Kers [NR,62]
- Geopora arenosa* (Fuckel) S. Ahmad [NR,60]
- Geopora cooperi* f. *cooperi* Harkn. [11,13,51,55,62]
- Geopora cooperi* f. *gilkeyae* Burds. [13,51,62]
- Geopyxis carbonaria* (Alb. & Schwein.: Fr.) Sacc. [NR,62]
- Geopyxis vulcanalis* Peck [NR,60]
- Gyromitra esculenta* (Pers.) Fr. [NR,62]
- Gyromitra gigas* (Krombh.) Cooke [NR,60]
- Gyromitra infula* (Schaeff.: Fr.) Quél. [NR,60,61,62]
- Helvella acetabulum* (L.) Quél. [NR,60,61,62]
- Helvella crispa* (Scop.) Fr. [NR,60,61,62]
- Helvella elastica* var. *elastica* Bull.: Fr. [NR,60,61]
- Helvella elastica* var. *macropoda* Font Quer [NR,61]
- Helvella harrisonii* N.S. Weber & Dissing nom. prov. [NR,60]
- Helvella lacunosa* Afzel.: Fr. [NR,60,62]
- Helvella latispora* Boud. [NR,62]
- Helvella leucomelaena* (Pers.) Nannf. [NR,62]
- Helvella macropus* (Pers.) P. Karst. [NR,61]
- Helvella queletii* Bres. [NR,62]
- Hydnobolites cerebriformis* Tul. & C. Tul. [13]

*Mitrophora semilibera* (DC.: Fr.) Lév.  
[NR,62]  
*Morchella elata* Fr. [NR,62]  
*Morchella esculenta* (L.: Fr.) Pers.  
[NR,60,61,62]  
*Morchella rufobrunnea* Guzmán & F.  
Tapia [NR,62]  
*Otidea alutacea* (Pers.) Massee [NR,62]  
*Otidea leporina* (Batsch) Fuckel  
[NR,60]  
*Otidea onotica* (Pers.: Fr.) Fuckel  
[NR,60]  
*Patella albida* (Schaeff.) Seaver  
[NR,60]  
*Peziza arvernensis* Boud. [NR,60]  
*Peziza concentrica* Seaver [NR,60]  
*Peziza domiciliana* Cooke [NR,60,62]  
*Peziza ostracoderma* Korf [47]  
*Peziza repanda* Pers. [NR,60,62]  
*Pithya lacunosa* (Ellis & Everh.) Seaver  
[NR,60]  
*Plectania nannfeldtii* Korf [NR,60]  
*Pyronema omphalodes* (Bull.) Fuckel  
[NR,60]  
*Sarcosphaera coronaria* (Jacq.) J.  
Schröt. [NR,60,62]  
*Scutellinia scutellata* (L.: Fr.) Lambotte  
[NR,60,62]  
*Scutellinia umbrorum* (Fr.) Lambotte  
[NR,61]  
*Sowerbyella rhenana* (Fuckel) J.  
Moravec [NR,67]  
*Sphaerospora hinnulea* (Berk. &  
Broome) Rifai [NR,60]  
*Tarzetta catinus* (Holmsk.) Korf & J.K.  
Rogers [NR,60,62]  
*Tarzetta cupularis* (L.: Fr.) Svrček  
[NR,62]  
*Trichophaea gregaria* (Rehm) Boud.  
[NR,60]  
*Tuber dryophilum* Tul. [11,13,51,62]  
*Tuber irregulare* Gilkey [NR,62]  
*Tuber levissimum* Gilkey  
[11,13,51,55,62]  
*Tuber monticola* Harkn. [NR,61]  
*Verpa conica* (O.F. Müll.) Sw. [NR,65]

### Xylariales

*Biscogniauxia mediterranea* (De Not.)  
Kuntze [NR,61]  
*Daldinia concentrica* (Bolton: Fr.) Ces.  
& De Not. [NR,60,61,62]  
*Daldinia eschscholtzii* (Ehrenb.) Rehm  
[NR,61]  
*Daldinia grandis* Child [NR,61]

*Daldinia vernicosa* (Schwein.) Ces. & De  
Not. [NR,60]  
*Hypoxyylon albolanatum* (Ellis & Everh.)  
P.M.D. Martin [NR,60]  
*Hypoxyylon rubiginosum* (Pers.) Fr. [NR,60]  
*Kretzschmaria deusta* (Hoffm.: Fr.) P.M.D.  
Martin [NR,60]  
*Poronia punctata* (L.) Fr. [NR,60,61]  
*Xylaria hypoxylon* (L.: Fr.) Grev. [45,60]

### BASIDIOMYCOTA

#### Agaricales

*Abstoma townei* (Lloyd) Zeller [NR,63]  
*Agaricus albolutescens* Zeller [NR,62]  
*Agaricus aridicola* Geml, Geiser & Royse  
[NR,61]  
*Agaricus arvensis* Schaeff.: Fr. [NR,62]  
*Agaricus augustus* Fr. [NR,62]  
*Agaricus bitorquis* (Quél.) Sacc. [NR,60,62]  
*Agaricus campestris* L.: Fr. [4,60,62]  
*Agaricus silvaticus* Schaeff. [NR,60]  
*Agaricus silvicola* (Vittad.) Peck [NR,60,62]  
*Agaricus subfloccosus* (J.E. Lange)  
Hlaváček [NR,62]  
*Agaricus texensis* (Berk. & M.A. Curtis)  
Geml, Geiser & Royse [NR,62]  
*Agaricus xanthodermus* Genev. [NR,62]  
*Agrocybe pediades* (Fr.) Fayod [NR,60]  
*Amanita bisporigera* G.F. Atk. [NR,57]  
*Amanita caesarea* (Scop.: Fr.) Pers.  
[4,60,62]  
*Amanita citrina* (Schaeff.: Fr.) Pers. [NR,60]  
*Amanita crocea* (Quél.) Singer [NR,65]  
*Amanita eremites* Tulloss nom. prov. [57]  
*Amanita flavorubens* (Berk. & Mont.) Sacc.  
[1,57,62]  
*Amanita fulva* (Schaeff.) Fr. [NR,67]  
*Amanita gemmata* (Fr.) Gillet [NR,62]  
*Amanita macerisolum* Tulloss nom. prov.  
[57]  
*Amanita muscaria* subsp. *flavivolvata* Singer  
[4,57,60,62,63]  
*Amanita nivalis* Grev. [NR,62]  
*Amanita novinupta* Tulloss & J. Lindgr.  
[57,58]  
*Amanita ocreata* Peck [1]  
*Amanita pantherina* (DC.: Fr.) Krombh.  
[NR,60,62]  
*Amanita parcivolvata* (Peck) E. J. Gilbert  
[NR,61]  
*Amanita prairiicola* Peck [57]  
*Amanita protecta* Tulloss & G. Wright  
[4,62]  
*Amanita rubescens* Pers.: Fr. [4,46,60,62,63]

- Amanita smithiana* Bas [57]  
*Amanita vaginata* (Bull.: Fr.) Lam.  
[NR,60,62]  
*Amanita verna* (Bull.: Fr.) Lam.  
[NR,60,63]  
*Amanita virosa* (Fr.) Bertill. [NR,60]  
*Amanita xylinivolva* Tulloss, Ovrebo &  
Halling [57]  
*Araneosa columellata* Long [33,61]  
*Armillaria mellea* (Vahl: Fr.) P. Kumm.  
[4,14,15,26,60,62]  
*Armillaria ostoyae* (Romagn.) Herink  
[15,60]  
*Asterophora parasitica* (Bull.: Fr.)  
Singer [NR,67]  
*Auriculariopsis albomellea*  
(Bondartsev) Kotl. [15]  
*Battarrea digueti* Pat. & Har.  
[NR,60,61]  
*Battarrea phalloides* (Dicks.) Pers.  
[NR,60,61,62]  
*Bovista aestivalis* (Bonord.) Demoulin  
[NR,2,62,65]  
*Bovista dermoxantha* (Vittad.) De Toni  
[NR,2,63,65]  
*Bovista plumbea* Pers.: Pers.  
[NR,2,60,62,63,65]  
*Calocybe constricta* (Fr.) Kühner  
[NR,67]  
*Calvatia bicolor* (Lév.) Kreisel  
[NR,2,60,61,62,63]  
*Calvatia booniana* A.H. Sm.  
[NR,2,60,62]  
*Calvatia craniiformis* (Schwein.) Fr.  
[NR,2,60,62]  
*Calvatia cyathiformis* (Bosc) Morgan  
[NR,2,60,62,63]  
*Calvatia fragilis* (Vittad.) Morgan  
[NR,2,60,62,63]  
*Calvatia leiospora* Morgan [NR,2,60]  
*Calvatia pachyderma* (Peck) Morgan  
[2,6,60,62,63,65]  
*Calvatia rugosa* (Berk. & M.A. Curtis)  
D.A. Reid [NR,2,60,63]  
*Catathelasma imperiale* (Fr.) Singer  
[NR,67]  
*Catathelasma ventricosum* (Peck)  
Singer [NR,67]  
*Chlamydopus meyenianus* (Klotzsch)  
Lloyd [40,61]  
*Chlorophyllum agaricoides* (Czern.)  
Vellinga [NR,61]  
*Chlorophyllum molybdites* (G. Mey.:  
Fr.) Massee [NR,60,62]  
*Chlorophyllum rachodes* (Vittad.)  
Vellinga [NR,60]
- Clavaria purpurea* Fr. [NR,60,62]  
*Clavaria vermicularis* Fr. [NR,62]  
*Clitocybe brunneocephala* H.E. Bigelow  
[NR,62]  
*Clitocybe caespitosa* Peck [NR,60]  
*Clitocybe candicans* (Pers.: Fr.) P. Kumm.  
[NR,67]  
*Clitocybe candida* Bres. [NR,63]  
*Clitocybe cartilaginea* (Bull.: Fr.) Bres.  
[NR,60]  
*Clitocybe gibba* (Pers.: Fr.) P. Kumm.  
[NR,62]  
*Clitocybe maxima* (Gaertn. & G. Mey.: Fr.)  
P. Kumm. [NR,67]  
*Clitocybe mutabilis* H.E. Bigelow [NR,62]  
*Clitocybe odora* (Bull.: Fr.) P. Kumm.  
[NR,62]  
*Clitocybe paropsis* (Fr.) Sacc. [4]  
*Clitocybe sinopica* (Fr.) P. Kumm. [NR,67]  
*Clitocybula familia* (Peck) Singer [NR,62]  
*Clitocybula lacerata* (Lasch) Singer [NR,60]  
*Conocybe albipes* Hauskn. [NR,65]  
*Conocybe tenera* (Schaeff.: Fr.) Fayod  
[NR,60,62]  
*Coprinellus domesticus* (Bolton) Vilgalys,  
Hopple & Jacq. Johnson [NR,60]  
*Coprinellus micaceus* (Bull.: Fr.) Vilgalys,  
Hopple & Jacq. Johnson [15,60]  
*Coprinellus radians* (Desm.) Vilgalys,  
Hopple & Jacq. Johnson [NR,62]  
*Coprinopsis atramentaria* (Bull.) Redhead,  
Vilgalys & Moncalvo [4,15,60,62]  
*Coprinopsis papagoensis* (Lindsey & Gilb.)  
Redhead, Vilgalys & Moncalvo  
[15,30,45,60]  
*Coprinus calyptratus* Peck [37]  
*Coprinus comatus* (O.F. Müll.) Gray  
[NR,62]  
*Cortinarius cinnabarinus* Fr. [NR,60,62]  
*Cortinarius cinnamomeus* (L.: Fr.) Fr.  
[NR,60]  
*Cortinarius gentilis* (Fr.) Fr. [NR,62]  
*Cortinarius glaucopus* (Schaeff.: Fr.) Fr.  
[NR,62]  
*Cortinarius magnivelatus* Dearn. ex Fogel  
[10]  
*Cortinarius multiformis* (Fr.) Fr. [NR,62]  
*Cortinarius phoeniceus* var. *occidentalis*  
A.H. Sm. [NR,62]  
*Cortinarius ponderosus* A.H. Sm. [NR,62]  
*Cortinarius purpureus* (Bull.: Fr.) Bidaud,  
Moënné-Locc. & Reumaux [NR,62]  
*Cortinarius saxamontanus* Fogel [10,62]  
*Cortinarius trivialis* J.E. Lange [NR,65]  
*Cortinarius violaceus* (L.: Fr.) Gray [4]  
*Crepidotus alabamensis* Murrill [15,60]

- Crepidotus cesatii* var. *cesatii* (Rabenh.) Sacc. [26]
- Crepidotus cesatii* var. *subsphaerosporus* (J.E. Lange) Senn-Irlet [15]
- Crepidotus coloradensis* Hesler & A.H. Sm. [15,60]
- Crepidotus epibryus* (Fr.) Quél. [NR,60]
- Crepidotus fulvotomentosus* Peck [4]
- Crepidotus kauffmanii* Hesler & A.H. Sm. [15,60]
- Crepidotus mollis* var. *cystidiosus* Hesler & A.H. Sm. [15,60]
- Crepidotus mollis* var. *mollis* (Schaeff.: Fr.) Staude [15,26,60]
- Crepidotus occidentalis* Hesler & A.H. Sm. [15,60]
- Crepidotus pallidobrunneus* Hesler & A.H. Sm. [15,60]
- Crepidotus subverrucisporus* Pilát [NR,60]
- Crepidotus versutus* (Peck) Sacc. [15,60]
- Cristinia helvetica* (Pers.) Parmasto [15,21,60,61]
- Cristinia sonorae* Nakasone & Gilb. [15,21,45,60,61]
- Crucibulum laeve* (Huds.: Pers.) Kamblly [NR,62]
- Cyathus olla* (Batsch) Pers. [NR,61,62]
- Cyathus stercoreus* (Schwein.) De Toni [NR,61,62]
- Cyathus striatus* (Huds.: Pers.) Willd. [NR,67]
- Cyphelopsis anomala* (Pers.: Fr.) Donk [17,15,26,61]
- Cryptotrama asprata* (Berk.) Redhead & Ginns [14,15,26,60,61]
- Cystoderma amianthinum* (Scop.: Fr.) Fayod [NR,62]
- Cystoderma cinnabarinum* (Alb. & Schwein.: Fr.) Fayod [4,60,62]
- Cystoderma fallax* A.H. Sm. & Singer [NR,62]
- Cystoderma granulosum* (Batsch: Fr.) Fayod [NR,67]
- Disciseda candida* (Schwein.) Lloyd [NR,2,63,65]
- Disciseda cervina* (Berk.) Hollós [NR,2,62,65]
- Disciseda hyalothrix* (Cooke & Massee) Hollós [NR,2,60]
- Disciseda verrucosa* G. Cunn. [NR,2,60,62,65]
- Endopterygium arizonicum* (Shear & Griffiths) Singer & A.H. Sm. [49,61,62]
- Entoloma abortivum* (Berk. & M.A. Curtis) Donk [NR,60]
- Entoloma byssisedum* (Pers.: Fr.) Donk [15,60]
- Entoloma griseum* (Peck) Hesler [NR,62]
- Entoloma rhodopolium* (Fr.) P. Kumm. [NR,62]
- Entoloma sinuatum* (Bull.: Fr.) P. Kumm. [NR,60,62]
- Flammulina fennae* Bas [NR,66]
- Flammulina velutipes* (Curtis: Fr.) Singer [15,26,60,62]
- Floccularia albolanaripes* (G.F. Atk.) Watling & S.P. Abraham [NR,62]
- Floccularia pitkinensis* (Mitchel & A.H. Sm.) Bon [NR,62]
- Floccularia straminea* var. *americana* (Mitchel & A.H. Sm.) Bon [NR,62]
- Floccularia straminea* var. *straminea* (Krombh.) Pouzar [4,62]
- Galerina marginata* (Batsch: Fr.) Kühner [15,26,60]
- Gastrocybe lateritia* Watling [NR,62]
- Gymnopilus bellulus* (Peck) Murrill [NR,60]
- Gymnopilus junonius* (Fr.) P.D. Orton [15,60,62]
- Gymnopilus sapineus* (Fr.) Maire [4,14,15,26,60,62]
- Gymnopus dryophilus* Murrill [4,60,62]
- Gymnopus impudicus* (Fr.) Antonín, Halling & Noordel. [4]
- Gyrophragmium decipiens* (Peck) Lloyd [NR,62]
- Hebeloma crustuliniforme* (Bull.: Fr.) Quél. [NR,62]
- Hebeloma insigne* A.H. Sm., V.S. Evenson & Mitchel [NR,67]
- Hebeloma sinapizans* (Fr.) Sacc. [NR,62]
- Henningsomyces candidus* (Pers.: Fr.) Kuntze [15,17,19,26,61]
- Hohenbuehelia angustata* (Berk.) Singer [15,60]
- Hohenbuehelia atrocoerulea* (Fr.: Fr.) Singer [NR,62]
- Hohenbuehelia grisea* (Peck) Singer [15,60]
- Hohenbuehelia mastrucata* (Fr.: Fr.) Singer [15,60]
- Hohenbuehelia nigra* (Schwein.) Singer [15,60]
- Hohenbuehelia petalodes* (Bull.: Fr.) Schulzer [15,26,60,61]
- Holocotylon brandegeeanum* Lloyd [NR,2,60,61,65]
- Hygrocybe conica* (Scop.: Fr.) P. Kumm. [NR,62]

- Hygrocybe persistens* (Britzelm.) Singer [NR,62]  
*Hygrocybe punicea* (Fr.) P. Kumm. [NR,60]  
*Hygrocybe turunda* (Fr.: Fr.) P. Karst. [NR,60]  
*Hygrocybe virginea* (Wulfen: Fr.) P.D. Orton & Watling [4]  
*Hygrophoropsis aurantiaca* (Wulfen: Fr.) Maire [15]  
*Hygrophorus agathosmus* (Fr.) Fr. [NR,60]  
*Hygrophorus aurantiacus* Henn. [NR,62]  
*Hygrophorus caeruleus* O.K. Mill. [NR,67]  
*Hygrophorus calophyllus* P. Karst. [NR,62]  
*Hygrophorus chrysodon* (Batsch: Fr.) Fr. [NR,60,62,65]  
*Hygrophorus eburneus* (Bull.: Fr.) Fr. [NR,62]  
*Hygrophorus erubescens* (Fr.) Fr. [NR,60,62]  
*Hygrophorus gliocyclus* Fr. [NR,62]  
*Hygrophorus hypothejus* (Fr.) Fr. [4]  
*Hygrophorus niveicolor* (Murrill) A.H. Sm. & Hesler [NR,62]  
*Hygrophorus psittacinus* (Schaeff.) Fr. [NR,62]  
*Hygrophorus pudorinus* (Fr.) Fr. [NR,60,62]  
*Hygrophorus purpurascens* (Alb. & Schwein.: Fr.) Fr. [NR,62]  
*Hygrophorus russula* (Schaeff.: Fr.) Kauffman [NR,60]  
*Hygrophorus sordidus* Peck [NR,62]  
*Hygrophorus speciosus* Peck [NR,62,65]  
*Hygrophorus subalpinus* A.H. Sm. [NR,67]  
*Hygrophorus subfusoides* Largent [NR,62]  
*Hypholoma capnoides* (Fr.: Fr.) P. Kumm. [15,21,60,62]  
*Hypholoma fasciculare* (Huds.: Fr.) Quél. [15,26,60,62]  
*Hypsizygus tessulatus* (Bull.: Fr.) Singer [15,60,62]  
*Inocybe decipientoides* Peck [NR,60]  
*Inocybe geophylla* var. *geophylla* (Sowerby) P. Kumm. [NR,62]  
*Inocybe geophylla* var. *lilacina* Gillet [NR,62]  
*Inocybe lanuginosa* (Bull.: Fr.) P. Kumm. [NR,60,62]  
*Inocybe rimosa* (Bull.: Fr.) P. Kumm. [47,60]  
*Inocybe sororia* Kauffman [NR,62]  
*Inocybe subtomentosa* Peck [4]  
*Inocybe trechispora* (Berk.) P. Karst. [NR,60]  
*Laccaria amethysteo-occidentalis* G.M. Muell. [NR,62]  
*Laccaria amethystina* Cooke [NR,62]  
*Laccaria laccata* (Scop.: Fr.) Fr. [NR,60,62]  
*Lachnella alboviolascens* (Alb. & Schwein.: Fr.) Fr. [15,22,26,45]  
*Lepiota boudieri* Bres. [NR,60]  
*Lepiota clypeolaria* (Bull.: Fr.) Quél. [NR,60,62]  
*Lepiota cristata* (Bolton: Fr.) P. Kumm. [NR,62]  
*Lepiota magnispora* Murrill [NR,62]  
*Lepista densifolia* (J. Favre) Singer & Cléménçon [NR,67]  
*Lepista irina* (Fr.) H.E. Bigelow [NR,60]  
*Lepista nuda* (Bull.: Fr.) Cooke [NR,62]  
*Leucoagaricus leucothites* (Vittad.) M.M. Moser ex Bon [NR,60,62]  
*Leucocoprinus birnbaumii* (Corda) Singer [NR,60,62]  
*Leucocoprinus cepistipes* (Sowerby: Fr.) Pat. [NR,60]  
*Leucopaxillus albissimus* var. *albissimus* (Peck) Singer [4,62]  
*Leucopaxillus albissimus* var. *barbarus* (Maire) Singer & A.H. Sm. [NR,60]  
*Leucopaxillus albissimus* var. *piceinus* (Peck) Singer & A.H. Sm. [NR,62]  
*Leucopaxillus gentianaeus* (Quél.) Kotl. [NR,60,61,62]  
*Leucopaxillus paradoxus* (Costantin & L.M. Dufour) Boursier [NR,62]  
*Limacella furnacea* (Letell.) E.J. Gilbert [NR,60]  
*Limacella glischra* (Morgan) Earle [NR,62]  
*Limacella illinita* (Fr.: Fr.) Maire [NR,62]  
*Lycoperdon lividum* Pers. [NR,2,61]  
*Lycoperdon marginatum* Vittad. [2,5,60,61,62,63,65]  
*Lycoperdon molle* Pers. [NR,2,60,61,62,63]  
*Lycoperdon perlatum* Pers.: Pers. [2,5,60,61,62,63,65]  
*Lycoperdon pulcherrimum* Berk. & M.A. Curtis [2,5,61,62,65]  
*Lycoperdon pyriforme* Schaeff.: Pers. [2,5,61,62,63,65]  
*Lycoperdon rimulatum* Peck [NR,2,60,61,62,65]  
*Lycoperdon umbrinum* Pers. [NR,2,65]  
*Lyophyllum decastes* (Fr.: Fr.) Singer [4,62]

- Marasmius inaquosi* Desjardin [7]  
*Marasmius plicatulus* Peck [NR,62]  
*Marasmius rotula* (Scop.: Fr.) Fr.  
[26,60]  
*Marasmius siccus* (Schwein.) Fr.  
[19,21]  
*Megacollybia platyphylla* (Pers.: Fr.)  
Kotl. & Pouzar [14,15,26,60,62]  
*Melanoleuca cognata* (Fr.) Konrad &  
Maubl. [NR,60]  
*Melanoleuca grammopodia* (Bull.: Fr.)  
Murrill [NR,67]  
*Montagnea arenaria* (DC.) Zeller  
[NR,61,62]  
*Mycena acicula* (Schaeff.) P. Kumm.  
[NR,62]  
*Mycena alcalina* (Fr.) P. Kumm.  
[NR,62]  
*Mycena galericulata* (Scop.: Fr.) Gray  
[NR,60]  
*Mycena maculata* P. Karst. [NR,60]  
*Mycena murina* Murrill [NR,62]  
*Mycena pura* (Pers.: Fr.) P. Kumm.  
[NR,60,62]  
*Mycenastrum corium* (Guers.) Desv.  
[NR,2,60,61,62]  
*Nidularia griseolazulina* Lindsey &  
Gilb. [30,61]  
*Omphalotus olearius* (DC.: Fr.) Singer  
[15,21,60,62]  
*Panaeolus antillarum* (Fr.) Dennis  
[NR,60]  
*Panaeolus papilionaceus* (Bull.: Fr.)  
Quél. [4]  
*Panaeolus semiovatus* (Sowerby: Fr.) S.  
Lundell & Nannf. [NR,60]  
*Phellorinia inquinans* Berk. [35]  
*Pholiota adiposa* (Batsch: Fr.) P.  
Kumm. [15]  
*Pholiota albocrenulata* (Peck) Sacc.  
[15,60,62]  
*Pholiota alnicola* (Fr.: Fr.) Singer  
[4,15,26,60]  
*Pholiota aurivella* (Batsch: Fr.) Fr.  
[15,26,60,62]  
*Pholiota bakerensis* A.H. Sm. & Hesler  
[14,15,26,60]  
*Pholiota decorata* (Murrill) A.H. Sm. &  
Hesler [14,15,26,60]  
*Pholiota flava* (Schaeff.: Fr.) Singer  
[15,60]  
*Pholiota highlandensis* (Peck) A.H. Sm.  
& Hesler [15,60]  
*Pholiota limonella* (Peck) Sacc. [15,60]  
*Pholiota lubrica* (Pers.: Fr.) Singer [4]
- Pholiota populnea* (Pers.: Fr.) Kuyper &  
Tjall.-Beuk. [NR,62]  
*Pholiota spumosa* (Fr.: Fr.) Singer [15,26]  
*Pholiota squarrosa* (Weigel: Fr.) P. Kumm.  
[4,15,26,60,62]  
*Pholiota squarrosoadiposa* J.E. Lange  
[26,60]  
*Pholiota squarrosoides* (Peck) Sacc.  
[15,26,60,62]  
*Phyllotopsis nidulans* (Pers.: Fr.) Singer  
[4,15,26,60,62]  
*Pleurotus cystidiosus* O.K. Mill. [NR,61]  
*Pleurotus dryinus* (Pers.: Fr.) P. Kumm.  
[26,60]  
*Pleurotus ostreatus* (Jacq.: Fr.) P. Kumm.  
[4,15,21,60,61,62]  
*Pleurotus pulmonarius* (Fr.: Fr.) Quél.  
[15,60]  
*Pleurotus sapidus* (Schulzer) Sacc. [26,60]  
*Pleurotus subareolatus* Peck [21,60]  
*Pluteus atromarginatus* (Konrad) Kühner  
[NR,62]  
*Pluteus cervinus* P. Kumm.: Fr.  
[14,15,26,60,62]  
*Pluteus granularis* Peck [NR,60]  
*Pluteus longistriatus* Peck [15,26,60]  
*Pluteus pellitus* (Pers.: Fr.) P. Kumm.  
[NR,65]  
*Pluteus romellii* (Britzelm.) Lapl. [NR,62]  
*Podaxis argentinus* Speg. [43]  
*Podaxis longii* McKnight [43]  
*Podaxis pistillaris* (L.: Pers.) Fr. [44,62]  
*Psathyrella ammophila* (Durieu & Lév.)  
P.D. Orton [NR,62]  
*Psathyrella candolleana* (Fr.: Fr.) Maire  
[15,60,62]  
*Psathyrella circellatipes* Benoist [NR,62]  
*Psathyrella sardocephala* (Fr.: Fr.) Singer  
[NR,60]  
*Psathyrella spadicea* (Schaeff.: Fr.) Singer  
[15,21,60]  
*Pseudoclitocybe cyathiformis* (Bull.: Fr.)  
Singer [NR,60]  
*Psilocybe coprophila* (Bull.: Fr.) P. Kumm.  
[NR,60]  
*Resinipinus applicatus* (Batsch: Fr.) Gray  
[14,15,26,45,60]  
*Rhodocollybia maculata* (Alb. & Schwein.:  
Fr.) Singer [NR,65]  
*Schizophyllum commune* Fr.: Fr.  
[4,15,26,45,60,62]  
*Schizostoma laceratum* (Ehrenb.) Lév.  
[38,61]  
*Sedecula pulvinata* Zeller [13,52]  
*Simocybe haustellaris* (Fr.) Watling [26,60]

- Stigmatolemma fimbriatum* (Pers.) Pouzar [NR,61]  
*Stigmatolemma poriiforme* (Pers.: Fr.) W.B. Cooke [15,17,26,28,61]  
*Strobilurus conigenoides* (Ellis) Singer [NR,60]  
*Stropharia aeruginosa* (Curtis: Fr.) Quél. [NR,67]  
*Stropharia coronilla* (Bull.: Fr.) Fr. [NR,62]  
*Stropharia kauffmanii* A.H. Sm. [NR,62]  
*Stropharia riparia* A.H. Sm. [NR,62]  
*Stropharia semiglobata* (Batsch: Fr.) Quél. [4,60]  
*Stropharia squamosa* (Pers.: Fr.) Quél. [NR,62]  
*Tricholoma caligatum* (Viv.) Ricken [NR,62]  
*Tricholoma flavovirens* (Pers.: Fr.) S. Lundell [NR,60,61,62,63]  
*Tricholoma focale* (Fr.) Ricken [NR,61,62]  
*Tricholoma imbricatum* (Fr.: Fr.) P. Kumm. [NR,60]  
*Tricholoma leucophyllum* Ovrebo & Tylutki [NR,67]  
*Tricholoma ponderosum* (Peck) Singer [NR,60]  
*Tricholoma portentosum* (Fr.) Quél. [NR,67]  
*Tricholoma saponaceum* (Fr.) P. Kumm. [NR,60,61,62,63]  
*Tricholoma terreum* (Schaeff.: Fr.) Quél. [NR,62]  
*Tricholomopsis bella* A.H. Sm. [15,26,60]  
*Tricholomopsis decora* (Fr.) Singer [4,62]  
*Tricholomopsis rutilans* (Schaeff.: Fr.) Singer [15,26,60,62]  
*Tubaria pellucida* (Bull.: Fr.) Fr. [NR,62]  
*Tulostoma albicans* V.S. White [59,61]  
*Tulostoma americanum* Lloyd [59]  
*Tulostoma brumale* Berk. [NR,61]  
*Tulostoma cretaceum* Long [NR,62]  
*Tulostoma excentricum* Long [NR,61]  
*Tulostoma fibrillosum* V.S. White [NR,61]  
*Tulostoma fimbriatum* var. *campestre* (Morgan) G. Moreno [59,61,62]  
*Tulostoma fimbriatum* var. *egranulosum* (Lloyd) J.E. Wright [59,61]  
*Tulostoma floridanum* Lloyd [NR,61]  
*Tulostoma fusipes* Har. & Pat. [59,61]  
*Tulostoma herteri* Lowag & Swoboda [NR,61]  
*Tulostoma involucratum* Long [34,59,61]  
*Tulostoma leiosporum* Fr. [NR,61]  
*Tulostoma macrocephalum* Long [NR,62]  
*Tulostoma meristostoma* Long [59,62]  
*Tulostoma mohavei* Lloyd [59]  
*Tulostoma obscurum* J.E. Wright [59]  
*Tulostoma opacum* Long [34,59,61,62]  
*Tulostoma poculatum* V.S. White [36,61,62]  
*Tulostoma pulchellum* var. *subfuscum* (V.S. White) J.E. Wright, G. Moreno & Altés [61]  
*Tulostoma purpusii* Henn. [59,61]  
*Tulostoma semisulcatum* Peck [59]  
*Tulostoma simulans* Lloyd [59]  
*Tulostoma striatum* G. Cunn. [59,61]  
*Tulostoma utahense* J.E. Wright [59,61]  
*Tulostoma verrucosum* Morgan [NR,62]  
*Tulostoma volvulatum* f. *elatum* Pat. [59]  
*Tulostoma volvulatum* f. *volvulatum* I.G. Borshch. [NR,62]  
*Tulostoma vulgare* Long & S. Ahmad [59,61]  
*Tulostoma xerophilum* Long [36,59,61,62]  
*Vascellum intermedium* A.H. Sm. [NR,2,65]  
*Vascellum lloydianum* A.H. Sm. [NR,2,65]  
*Vascellum texense* A.H. Sm. [2,50,60,61]  
*Volvaria earlei* (Murrill) Sacc. & Trotter [NR,60]  
*Volvariella bombycina* (Schaeff.: Fr.) Singer [15,26,60]  
*Volvariella pusilla* (Pers.: Fr.) Singer [NR,60,62]  
*Xeromphalina campanella* (Batsch: Fr.) Maire [4,14,15,26,60,62]  
*Xeromphalina caudivinalis* (With.: Fr.) Kühner & Maire [15,60]  
*Xerula radicata* (Relhan: Fr.) Dörfelt [NR,60]  
*Xerulina chrysopepla* (Berk. & M.A. Curtis) Singer [NR,62]

### Auriculariales

- Auricularia auricula-judae* (Fr.) Quél. [15,26,61,62]

### Boletales

- Alpova diplophloeus* (Zeller & C.W. Dodge) Trappe & A.H. Sm. [NR,64]  
*Astraeus hygrometricus* (Pers.: Fr.) Morgan [2,42,60,61,62,64,65]  
*Boletellus russellii* (Frost) E.-J. Gilbert [NR,60,62]  
*Boletus barrowsii* Thiers & A.H. Sm. [56,60,62]

- Boletus chromapes* Frost [4,60]  
*Boletus chrysenteron* Bull. [NR,60,62]  
*Boletus edulis* Bull.: Fr. [4,60,62,63]  
*Boletus erythropus* Krombh.  
[NR,60,62]  
*Boletus griseus* Frost [NR,63]  
*Boletus haematinus* Halling [NR,63]  
*Boletus luridus* Schaeff.: Fr. [NR,60]  
*Boletus rubellus* Krombh. [NR,62]  
*Boletus satanas* Lenz [NR,60]  
*Boletus truncatus* (Singer, Snell & E.A. Dick) Pouzar [NR,62]  
*Brauniellula albipes* (Zeller) A.H. Sm. & Singer [11,13,55]  
*Brauniellula crassitunicata* Pacioni & Fogel [NR,62]  
*Brauniellula nancyae* A.H. Sm. & Singer [52]  
*Chroogomphus pseudovinicolor* O.K. Mill. [NR,62]  
*Chroogomphus rutilus* (Schaeff.: Fr.) O.K. Mill. [NR,62]  
*Chroogomphus vinicolor* (Peck) O.K. Mill. [NR,62]  
*Coniophora arida* (Fr.) P. Karst. [14,15,17,26,61]  
*Coniophora eremophila* Lindsey & Gilb. [15,19,21,22,30,61]  
*Coniophora fusispora* (Cooke & Ellis) Cooke [15]  
*Coniophora olivacea* (Fr.) P. Karst. [14,15,17,26,61]  
*Coniophora puteana* (Schumach.: Fr.) P. Karst. [14,15,17,26,61]  
*Coniophora submembranacea* (Berk. & Broome) Cooke [26]  
*Gomphidioides glutinosus* (Schaeff.: Fr.) Fr. [NR,60,62]  
*Gomphidioides roseus* (Fr.) Fr. [NR,62]  
*Gomphidioides subroseus* Kauffman [NR,62]  
*Gyroporus castaneus* (Bull.: Fr.) Quél. [NR,62]  
*Hygrophoropsis aurantiaca* (Wulfen: Fr.) Maire [4,60,62]  
*Hygrophoropsis morganii* (Peck) H.E. Bigelow [NR,62]  
*Hymenogaster brunnescens* A.H. Sm. [52,62]  
*Hymenogaster parksii* Zeller & C.W. Dodge [NR,62]  
*Hymenogaster subalpinus* A.H. Sm. [13,52,62]  
*Hymenogaster sublilacinus* A.H. Sm. [55,62]  
*Jaapia ochroleuca* (Bres.) Nannf. & J. Erikss. [15]  
*Leccinum arctostaphyli* V.L. Wells & Kempton [NR,62]  
*Leccinum aurantiacum* (Bull.) Gray [NR,60,62]  
*Leccinum insigne* A.H. Sm., Thiers & Watling [NR,62]  
*Leccinum montanum* Thiers [NR,62]  
*Leccinum scabrum* (Bull.) Gray [4]  
*Leccinum subalpinum* Thiers [56]  
*Leucogaster rubescens* Zeller & C.W. Dodge [13,52]  
*Leucogyrophana arizonica* Ginns [15]  
*Leucogyrophana mollusca* (Fr.: Fr.) Pouzar [14,15,17,26,61]  
*Leucogyrophana olivascens* (Berk. & M.A. Curtis) Ginns & Weresub [14,15,17,26]  
*Leucogyrophana pinastri* (Fr.: Fr.) Ginns & Weresub [14,15,26,61]  
*Leucogyrophana pseudomollusca* (Parmasto) Parmasto [14,17,26,61]  
*Leucophleps spinispora* Fogel [13,62]  
*Marthanella nidulosa* States & Fogel [54,62]  
*Melanogaster ambiguus* (Vittad.) Tul. & C. Tul. [13,52]  
*Melanogaster euryspermus* (Zeller & C.W. Dodge) Zeller [11,13,52,55]  
*Melanogaster tuberiformis* Corda [11,13,52,55]  
*Paxillus involutus* (Batsch: Fr.) Fr. [NR,62]  
*Phylloporus rhodoxanthus* (Schwein.) Bres. [NR,60,62]  
*Pisolithus tinctorius* (Pers.) Coker & Couch [NR,61,62]  
*Pseudomerulius aureus* (Fr.: Fr.) Jülich [15,61]  
*Rhizopogon colossus* A.H. Sm. [NR,64]  
*Rhizopogon evadens* A.H. Sm. [13,52,55]  
*Rhizopogon nitens* A.H. Sm. [NR,62]  
*Rhizopogon ochraceorubens* A.H. Sm. [13,52,55]  
*Rhizopogon pinyonensis* K.A. Harrison & A.H. Sm. [13,52]  
*Rhizopogon subcaerulescens* A.H. Sm. [13,52,55]  
*Rhizopogon subcroceus* A.H. Sm. [13,52]  
*Rhizopogon vinicolor* A.H. Sm. [NR,64]  
*Scleroderma areolatum* Ehrenb. [NR,62]  
*Scleroderma cepa* Pers. [NR,62]  
*Scleroderma citrinum* Pers. [NR,62]  
*Scleroderma flavidum* Ellis & Everh. [NR,61]  
*Scleroderma hypogaeum* Zeller [NR,62]

- Sclerogaster xerophilus* Fogel [11,13,52,55,62]  
*Serpula himantoides* (Fr.) P. Karst. [14,15,17,26,61]  
*Serpula lacrymans* (Wulfen: Fr.) J. Schröt. [NR,61,62]  
*Strobilomyces strobilaceus* (Scop.: Fr.) Berk. [NR,60,62,63]  
*Suillus americanus* (Peck) Snell [NR,60,62]  
*Suillus brevipes* (Peck) Kuntze [NR,60]  
*Suillus caerulescens* A.H. Sm. & Thiers [NR,62]  
*Suillus fuscotomentosus* Thiers & A.H. Sm. [NR,62]  
*Suillus granulatus* (L.: Fr.) Snell [4,60,62]  
*Suillus kaibabensis* Thiers [56]  
*Suillus lakei* (Murrill) A.H. Sm. & Thiers [NR,60,62]  
*Suillus occidentalis* Thiers [56,62]  
*Suillus sibiricus* (Singer) Singer [NR,62]  
*Suillus wasatchicus* Thiers [46,56,62]  
*Tapinella atrotomentosa* (Batsch: Fr.) Šutara [NR,60,62]  
*Tapinella panuoides* (Batsch: Fr.) E.-J. Gilbert [14,15,60,62]  
*Truncocolumella citrina* Zeller [11,13,62]

### Cantharellales

- Botryobasidium ansosum* (H. S. Jacks. & D.P. Rogers) Parmasto [14,15,17,26,61]  
*Botryobasidium botryosum* (Bres.) J. Erikss. [15]  
*Botryobasidium candidans* J. Erikss. [15,26]  
*Botryobasidium laeve* (J. Erikss.) Parmasto [17,61]  
*Botryobasidium medium* J. Erikss. [14,15,26]  
*Botryobasidium pruinatum* (Bres.) J. Erikss. [14,15,26]  
*Botryobasidium subcoronatum* (Höhn. & Litsch.) Donk [14,15,17,26,61]  
*Botryohypothecus isabellinus* (Fr.) J. Erikss. [14,15,17,26,61]  
*Botryohypothecus verrucisporus* Burds. & Gilb. [3]  
*Cantharellus cibarius* Fr.: Fr. [NR,60,62]  
*Clavulina coralloides* (L.: Fr.) J. Schröt. [NR,62]  
*Hydnnum repandum* L.: Fr. [NR,60,62]

### Dacrymycetales

- Calocera cornea* (Batsch: Fr.) Fr. [15,26]  
*Calocera viscosa* (Pers.) Fr. [NR,67]  
*Dacrymyces capitatus* Schwein. [15,26]  
*Dacrymyces chrysospermus* Berk. & M.A. Curtis [15]  
*Dacrymyces dictyosporus* G.W. Martin [14,15,26]  
*Dacrymyces minor* Peck [15,19,26]  
*Dacrymyces palmatus* (Schwein.) Burt. [14,26,61,62]  
*Dacrymyces punctiformis* Neuhoff. [14,26]  
*Dacrymyces stillatus* Nees: Fr. [15,26,61]  
*Dacrymyces tortus* Fr. [15]  
*Dacryopinax spathularia* (Schwein.: Fr.) G.W. Martin [15,21,26]  
*Ditiola radicata* (Alb. & Schwein.: Fr.) Fr. [15,26,61]  
*Guepinopsis alpina* (Tracy & Earle) Brasf. [14,15,26,61,62]

### Exobasidiales

- Exobasidium vaccinii* (Fuckel) Woronin [NR,61]

### Hymenochaetales

- Coltricia cinnamomea* (Jacq.) Murrill [17,27,62,66]  
*Coltricia perennis* (L.: Fr.) Murrill [27,61,62]  
*Hymenochaete cinnamomea* (Pers.) Bres. [15,17,19,23,26,61]  
*Hymenochaete corrugata* (Fr.: Fr.) Lév. [15,17,26]  
*Hymenochaete leonina* Berk. & M.A. Curtis [15,26]  
*Hymenochaete rubiginosa* (Dicks.: Fr.) Lév. [15,19,26,61]  
*Hymenochaete spreta* Peck [15,26]  
*Hymenochaete tenuis* Peck [15,26,61]  
*Hyphodontia abieticola* (Bourdot & Galzin) J. Erikss. [14,15,17,26,61]  
*Hyphodontia altaica* Parmasto [15,21]  
*Hyphodontia alutacea* (Fr.: Fr.) J. Erikss. [14,15,17,26,61]  
*Hyphodontia alutaria* (Burt) J. Erikss. [14,17,26]  
*Hyphodontia apacheriensis* (Gilb. & Canf.) Hjortstam & Ryvarden [15,19,20,22,26,28,30,61]  
*Hyphodontia arguta* (Fr.: Fr.) J. Erikss. [15,17,22,26,61]  
*Hyphodontia aspera* (Fr.) J. Erikss. [17,26,61]

- Hyphodontia barba-jovis* (Bull.) J. Erikss. [14,17,26]
- Hyphodontia breviseta* (P. Karst.) J. Erikss. [14,15,17,26,61]
- Hyphodontia crustosa* (Pers.: Fr.) J. Erikss. [15,17,21,26]
- Hyphodontia detritica* (Bourd. & Galzin) J. Erikss. [32]
- Hyphodontia floccosa* (Bourd. & Galzin) J. Erikss. [14,15,17,26,61]
- Hyphodontia hastata* (Litsch.) J. Erikss. [14,15,17,26]
- Hyphodontia latitans* (Bourd. & Galzin) Ginns & M.N.L. Lefebvre [15,26,27,61]
- Hyphodontia nespori* (Bres.) J. Erikss. & Hjortstam [15]
- Hyphodontia pallidula* (Bres.) J. Erikss. [14,15,17,26,61]
- Hyphodontia papillosa* (Fr.: Fr.) J. Erikss. [14,15,26,61]
- Hyphodontia pilaecystidiata* (S. Lundell) J. Erikss. [15]
- Hyphodontia pruni* (Lasch) Svrček [15,19,26,61]
- Hyphodontia quercina* (Pers.: Fr.) J. Erikss. [15,19,26]
- Hyphodontia radula* (Pers.: Fr.) Langer & Vesterh. [26,61]
- Hyphodontia rimosissima* (Peck) Gilb. [15,21,26]
- Hyphodontia sambuci* (Pers.: Fr.) J. Erikss. [15,17,19,26,45,61]
- Hyphodontia spathulata* (Schrad.: Fr.) Parmasto [15,17,22,26,61]
- Hyphodontia stipata* (Fr.) Gilb. [26]
- Hyphodontia subalutacea* (P. Karst.) J. Erikss. [14,15,17,26,61]
- Inonotus andersonii* (Ellis & Everh.) Černý [15,26,27,61]
- Inonotus arizonicus* Gilb. [15,26,27,61]
- Inonotus cuticularis* (Bull.: Fr.) P. Karst. [15,26,27,61]
- Inonotus dryadeus* (Pers.: Fr.) Murrill [15,21,27]
- Inonotus dryophilus* (Berk.) Murrill [15,26,27,61]
- Inonotus farlowii* (Lloyd) Gilb. [27,61]
- Inonotus glomeratus* (Peck) Murrill [NR,61]
- Inonotus hispidus* (Bull.: Fr.) P. Karst. [15,26,27,62]
- Inonotus jamaicensis* Murrill [15,28]
- Inonotus munzii* (Lloyd) Gilb. [15,26,27,61]
- Inonotus patouillardii* (Rick) Imazeki [15,17,26,27]
- Inonotus rheades* (Pers.) Bondartsev & Singer [NR,61]
- Inonotus rickii* (Pat.) D.A. Reid [27]
- Inonotus texanus* Murrill [15,19,26,27,61]
- Inonotus triqueter* (Alb. & Schwein.) Teixeira [15]
- Onnia circinata* (Fr.) P. Karst. [14,26,27]
- Onnia tomentosa* (Fr.: Fr.) P. Karst. [14,15,26,27,61]
- Oxyporus corticola* (Fr.) Ryvarden [14,15,17,26,28,61]
- Oxyporus latemarginatus* (Durieu & Mont.) Donk [15,17,19,26,28,61]
- Oxyporus populinus* (Schumach.: Fr.) Donk [15]
- Oxyporus similis* (Bres.) Ryvarden [15,28]
- Phellinus arctostaphyli* (Long) Niemelä [15,26,28,61]
- Phellinus badius* (Berk.) G. Cunn. [15,19,26,28,61]
- Phellinus chrysoloma* (Fr.) Donk [15,28]
- Phellinus contiguus* (Pers.: Fr.) Pat. [15,28]
- Phellinus coronadensis* Rizzo, Gieser & Burds. [48]
- Phellinus everhartii* (Ellis & Galloway) Pilát [15,26,28,61]
- Phellinus ferrugineofuscus* (P. Karst.) Bourdot & Galzin [15,26,28]
- Phellinus ferruginosus* (Schrad.: Fr.) Pat. [15,17,19,26,28,61]
- Phellinus gilvus* (Schwein.: Fr.) Pat. [15,19,26,28,61]
- Phellinus hartigii* (Allesch. & Schnabl.) Pat. [28]
- Phellinus igniarius* (L.: Fr.) Quél. [28,61]
- Phellinus nigrolimitatus* (Romell) Bourdot & Galzin [15,17,26,28,61]
- Phellinus pini* (Brot.: Fr.) Bondartsev & Singer [14,15,26,28,61]
- Phellinus punctatus* (Fr.) Pilát [28]
- Phellinus rimosus* (Berk.) Pilát [NR,61]
- Phellinus robiniae* (Murrill) A. Ames [15,26,28,61]
- Phellinus robustus* (P. Karst.) Bourdot & Galzin [15,22,26,28,30,46,61]
- Phellinus sonorae* Gilb. [15,28]
- Phellinus torulosus* (Pers.: Fr.) Bourdot & Galzin [14,15,26,28,61]
- Phellinus tremulae* (Bondartsev) Bondartsev & Borissov [15,26,28]
- Phellinus viticola* (Schwein.: Fr.) Donk [15,26,28,61]
- Phellinus weirianus* (Bres.) Gilb. [15,26,28,61]

*Phylloporia fruticum* (Berk. & M.A. Curtis) Ryvarden [NR,61]  
*Phylloporia ribis* (Schumach.: Fr.) Ryvarden [28]  
*Schizopora flavipora* (Berk. & M.A. Curtis ex Cooke) Ryvarden [15]  
*Schizopora paradoxa* (Schrad.: Fr.) Donk [17,61]

### Phallales

*Clavariadelphus lignicola* R.H. Petersen [NR,60,66]  
*Clavariadelphus ligula* (Schaeff.: Fr.) Donk [NR,61,62]  
*Clavariadelphus occidentalis* Methven [NR,60]  
*Clavariadelphus sachalinensis* (S. Imai) Corner [15,21,60]  
*Clavariadelphus truncatus* (Quél.) Donk [NR,60,62]  
*Dictyophora duplicata* (Bosc) E. Fisch. [NR,62]  
*Gautieria crispa* E.L. Stewart & Trappe [13,52]  
*Gautieria gautieroides* (Lloyd) Zeller & C.W. Dodge [13,52]  
*Geastrum arenarium* Lloyd [2,42,61]  
*Geastrum campestre* Morgan [2,42,60,61,62]  
*Geastrum corollinum* (Batsch) Hollós [NR,2,65]  
*Geastrum coronatum* Pers. [2,42,60,62,65]  
*Geastrum elegans* Vittad. [2,42,61,62]  
*Geastrum fimbriatum* Fr. [2,42,60,61,62]  
*Geastrum floriforme* Vittad. [2,42,60,61,65]  
*Geastrum fornicatum* (Huds.) Hook. [2,42,60,61]  
*Geastrum hieronymi* Henn. [2,42,62]  
*Geastrum kotlabae* V.J. Staněk [2,42,61,65]  
*Geastrum lageniforme* Vittad. [NR,2,60]  
*Geastrum minimum* Schwein. [2,42,60,61,62,65]  
*Geastrum quadrifidum* DC.: Pers. [NR,2,60,61]  
*Geastrum rufescens* Pers. [NR,2,62,65]  
*Geastrum saccatum* Fr. [NR,2,62,65]  
*Geastrum schmidelii* Vittad. [2,42,61,65]  
*Geastrum smardae* V.J. Staněk [2,42,61,65]  
*Geastrum smithii* Lloyd [2,42,61]

*Geastrum striatum* DC. [2,42,61,65]  
*Geastrum triplex* Jungh. [2,42,60,61]  
*Geastrum xerophilum* Long [NR,2,61]  
*Gomphus bonarii* (Morse) Singer [NR,61]  
*Gomphus floccosus* (Schwein.) Singer [NR,60,62]  
*Gomphus kauffmanii* (A.H. Sm.) Corner [NR,62]  
*Hysterangium coriaceum* R. Hesse [11,13,55,62]  
*Hysterangium separabile* Zeller [11,52,64]  
*Itajahya galericulata* A. Møller [39,41,60,61,65]  
*Kavinia alboviridis* (Morgan) Gilb. & Budington [15,17,26,61]  
*Kavinia himantia* (Schwein.: Fr.) J. Erikss. [14,15,17,26,61]  
*Mutinus caninus* (Huds.: Pers.) Fr. [NR,62]  
*Myriostoma coliforme* (Dicks.) Corda [2,42,61]  
*Phallus hadriani* Vent.: Pers. [41,61,62]  
*Ramaria apiculata* (Fr.) Donk [4]  
*Ramaria aurea* (Schaeff.: Fr.) Quél. [NR,60]  
*Ramaria botrytis* (Pers.: Fr.) Ricken [NR,62]  
*Ramaria flava* (Schaeff.: Fr.) Quél. [NR,66]  
*Ramaria flavobrunnescens* (G.F. Atk.) Corner [4,62]  
*Ramaria obtusissima* (Peck) Corner [NR,60]  
*Ramaria pinicola* (Burt) Corner [NR,66]  
*Ramaria stricta* (Pers.: Fr.) Quél. [NR,60,62]  
*Ramaria suecica* (Fr.) Donk [NR,62]  
*Saprogaster pinyonensis* Fogel & States [12]  
*Sphaerobolus stellatus* Tode: Pers. [NR,62]  
*Trappea darkeri* (Zeller) Castellano [11,55,62]  
*Trappea pinyonensis* States [13,53,62]

### Polyporales

*Abortiporus biennis* (Bull.) Singer [26,27]  
*Albatrellus confluens* (Alb. & Schwein.) Kotl. & Pouzar [17,27]  
*Albatrellus dispansus* (Lloyd) Canf. & Gilb. [27]  
*Albatrellus ellisii* (Berk.) Pouzar [27,61]  
*Albatrellus ovinus* (Schaeff.: Fr.) Kotl. & Pouzar [27,62]  
*Albatrellus subrubescens* (Murrill) Pouzar [27]  
*Aleurodiscus amorphus* Rabenh. [15,26,61]  
*Aleurodiscus bertii* Lloyd [26]  
*Aleurodiscus canadensis* Skolko [14,17,26]  
*Aleurodiscus cerussatus* (Bres.) Höhn. & Litsch. [17,22,26,61]  
*Aleurodiscus croceus* Pat. [15,26]  
*Aleurodiscus diffusus* (Sacc.) Burt [17,26]

- Aleurodiscus disciformis* (DC.: Fr.) Pat. [15,26]  
*Aleurodiscus fennicus* Laurila [26]  
*Aleurodiscus lividocaeruleus* (P. Karst.) P.A. Lemke [26,61]  
*Aleurodiscus oakesii* (Berk. & M.A. Curtis) Pat. [15,17,26,61]  
*Aleurodiscus spiniger* D.P. Rogers & P.A. Lemke [15,17,26,61]  
*Aleurodiscus weiri* Burt [26]  
*Amphinema byssoides* (Pers.: Fr.) J. Erikss. [15,17,26,61]  
*Amylocorticium pedunculatum* Hjortstam [NR,61]  
*Amylocorticium subincarnatum* (Peck) Pouzar [15,24,26]  
*Amylocorticium subsulphureum* (P. Karst.) Pouzar [14,15,17,24,26]  
*Amylocystis lapponicus* (Romell) Bondartsev & Singer [15,26,27]  
*Anomoporia bombycina* (Fr.) Pouzar [14,15,26,27,61]  
*Antrodia albida* (Fr.) Donk [15,22,26,27,61]  
*Antrodia albobrunnea* (Romell) Ryvarden [14,17,26,27,61]  
*Antrodia carbonica* (Overh.) Ryvarden & Gilb. [14,15,17,26,27]  
*Antrodia crassa* (P. Karst) Ryvarden [14,15,17,26,61]  
*Antrodia ferox* (Long & D.V. Baxter) Gilb. & Ryvarden [15,26,27]  
*Antrodia gossypina* (Speg.) Ryvarden [27]  
*Antrodia heteromorpha* (Fr.: Fr.) Donk [15,19,22,26,27,61]  
*Antrodia juniperina* (Murrill) Niemelä & Ryvarden [15,22,26,27,61]  
*Antrodia malicola* (Berk. & M.A. Curtis) Donk [15,17,26,27]  
*Antrodia odora* (Peck ex Sacc.) Gilb. & Ryvarden [15,17,26,27,61]  
*Antrodia oleracea* (R.W. Davidson & Lombard) Ryvarden [26]  
*Antrodia serialis* (Fr.) Donk [14,15,26,27,61]  
*Antrodia sinuosa* (Fr.: Fr.) P. Karst. [15,22,26,27,61]  
*Antrodia sitchensis* (D.V. Baxter) Gilb. & Ryvarden [14,15,17,26,27,61]  
*Antrodia sorida* Ryvarden & Gilb. [15]  
*Antrodia xantha* (Fr.: Fr.) Ryvarden [15,26,27,61]  
*Antrodiella romellii* (Donk) Niemelä [14,15,26,27]  
*Antrodiella semisupina* (Berk. & M.A. Curtis) Ryvarden [15]  
*Athelia acrospora* Jülich [21]  
*Athelia arachnoidea* (Berk.) Jülich [15,26]  
*Athelia bombacina* (Link) Pers. [15,21]  
*Athelia coprophila* (Wakef.) Jülich [15,19,21]  
*Athelia decipiens* (Höhn. & Litsch.) J. Erikss. [14,15,17,26,30,45,61]  
*Athelia epiphylla* Pers.: Fr. [15,17,26]  
*Athelia fibulata* M.P. Christ. [15,21]  
*Athelia neuhoffii* (Bres.) Donk [17,26]  
*Athelia reticulata* (Litsch.) Parmasto [21]  
*Athelia teutoburgensis* (Brinkmann) Jülich [26]  
*Athelopsis galzinii* (Bres.) Hjortstam [15,26]  
*Athelopsis lunata* (Romell ex Bourdot & Galzin) Parmasto [15,26]  
*Athelopsis subinconspicua* (Litsch.) Jülich [21]  
*Berkandera adusta* (Willd.: Fr.) P. Karst. [15,26,27,62]  
*Byssocorticium neomexicanum* Gilb. & Budington [15]  
*Byssomerulius ambiguus* (Berk.) Gilb. & Budington [17]  
*Byssomerulius armeniacus* (Bres.) Gilb. [14,17,26,61]  
*Byssomerulius incarnatus* (Schwein.) Gilb. [14,26,61]  
*Bysssoporia terrestris* (DC.) Larsen & Zak [14,15,26,27,61]  
*Candelabrochaete langloisii* (Pat.) Boidin [14,15,17,26,61]  
*Ceraceomyces fouquieriae* (Nakasone & Gilb.) Nakasone, C.R. Bergman & Burds. [15]  
*Ceraceomyces serpens* (Tode: Fr.) Ginns [14,15,17,26,61]  
*Ceraceomyces sublaevis* (Bres.) Jülich [15]  
*Ceraceomyces sulphurinus* (P. Karst.) J. Erikss. & Ryvarden [14,17,26,61]  
*Ceraceomyces tessulatus* (Cooke) Jülich [14,15,17,26,61]  
*Ceriporia alachuana* (Murrill) Hallenb. [26,27]  
*Ceriporia bresadolae* (Bourdot & Galzin) Bondartsev & Singer [14,26]  
*Ceriporia excelsa* (S. Lundell) Parmasto [15,26,27,61]  
*Ceriporia purpurea* (Fr.) Donk [15,17,26,27,46,61]  
*Ceriporia reticulata* (Hoffm.) Domański [15,27]  
*Ceriporia spissa* (Schwein.: Fr.) Rajchenb. [15,26,27,61]

- Ceriporia tarda* (Berk.) Ginns [14,15,19,22,26,27,46,61]  
*Ceriporia viridans* (Berk. & Broome) Donk [15,27]  
*Ceriporia xylostromatoides* (Berk.) Ryvarden [15,26,27,46,61]  
*Ceriporiopsis aneirina* (Sommerf.: Fr.) Domański [NR,61]  
*Ceriporiopsis carnegiae* (D.V. Baxter) Gilb. & Ryvarden [15,26,27,30,61]  
*Ceriporiopsis rivulosa* (Berk. & M.A. Curtis) Gilb. & Ryvarden [15,26,61]  
*Ceriporiopsis subvermispora* (Pilát) Gilb. & Ryvarden [15,26,27,61]  
*Climacocystis borealis* (Fr.) Kotl. & Pouzar [15,26,27,61]  
*Climacodon pulcherrimus* (Berk. & M.A. Curtis) M.I. Nikol. [14,15,17,26,61]  
*Conohypha terricola* (Burt) Jülich [15]  
*Coriolopsis gallica* (Fr.) Ryvarden [15,19,26,27,62]  
*Corticium canfieldii* (M.J. Larsen & Gilb.) Boidin & Lanq. [15,21]  
*Corticium griseoefusum* (M.J. Larsen & Gilb.) Ginns & M.N.L. Lefebvre [15,21]  
*Corticium lombardiae* (M.J. Larsen & Gilb.) Boidin & Lanq. [15,21]  
*Corticium mississippiense* (Lentz) M.J. Larsen [15,21]  
*Corticium radiosum* (Fr.) Fr. [16,61]  
*Corticium roseocarneum* (Schwein.) Hjortstam [15,26]  
*Crustoderma corneum* (Bourdotted & Galzin) Nakasone [14,15,26,61]  
*Crustoderma dryinum* (Berk. & M.A. Curtis) Parmasto [14,15,17,26,61]  
*Crustoderma testatum* (H.S. Jacks. & Dearden) Nakasone [15]  
*Cryptoporus volvatus* (Peck) Shear [14,15,26,27,61]  
*Cylindrobasidium corrugum* (Burt) Ginns [14,15,26,61]  
*Cylindrobasidium evolvens* (Fr.: Fr.) Jülich [21,32,61]  
*Cylindrobasidium laeve* (Pers.: Fr.) Chamuris [15]  
*Dacryobolus karstenii* (Bres.) Oberw. & Parmasto [14,15,26,61]  
*Dacryobolus sudans* (Alb. & Schwein.) Fr. [14,15,17,26,61]  
*Daedalea berkeleyi* Sacc. [NR,61]  
*Daedalea flavida* Lév. [NR,61]  
*Daedaleopsis confragosa* (Bolton: Fr.) J. Schrot. [15,17,26,27]  
*Datronia scutellata* (Schwein.) Gilb. & Ryvarden [15,26,27,61]  
*Datronia stereoides* (Fr.: Fr.) Ryvarden [17,26,27,61]  
*Dendrothele acerina* (Pers.: Fr.) P.A. Lemke [15,26,61]  
*Dendrothele dryina* (Pers.) P.A. Lemke [15,26]  
*Dendrothele griseocana* (Bres.) Bourdot & Galzin [15,26,61]  
*Dendrothele incrustans* (P.A. Lemke) P.A. Lemke [15,22]  
*Dendrothele mexicana* (P.A. Lemke) P.A. Lemke [15]  
*Dendrothele microspora* (H.S. Jacks. & P.A. Lemke) P.A. Lemke [15,21]  
*Dichomitus campestris* (Quél.) Domański & Orlicz [15,26,27,61]  
*Dichomitus squalens* (P. Karst.) D.A. Reid [14,15,26,27,61,62]  
*Diplomitoporus crustulinus* (Bres.) Domański [15,17,26,27,61]  
*Diplomitoporus overholtsii* (Pilát) Gilb. & Ryvarden [15,26,27,61]  
*Diplomitoporus rimosus* (Murrill) Gilb. & Ryvarden [15,22,26,27,61]  
*Erythricium chaparralum* Burds. & Gilb. [3,15]  
*Erythricium laetum* (P. Karst.) J. Erikss. & Hjortstam [15,21]  
*Fibricium lapponicum* J. Erikss. [15]  
*Fibricium rude* (P. Karst.) Jülich [14,15,17,26,61]  
*Fibroporia radiculosus* (Peck) Parmasto [14,15,26,27,61]  
*Fibroporia vaillantii* (DC.: Fr.) Parmasto [15,26,27,61]  
*Fibulomyces mutabilis* (Bres.) Jülich [15]  
*Fomes fasciatus* (Sw.: Fr.) Cooke [15,26,27,61]  
*Fomes meliae* (Underw.) Murrill [21]  
*Fomitopsis cajanderi* (P. Karst.) Kotl. & Pouzar [14,15,26,27,61,62]  
*Fomitopsis palustris* (Berk. & M.A. Curtis) Gilb. & Ryvarden [15,17,26]  
*Fomitopsis pinicola* (Sw.: Fr.) P. Karst. [14,15,26,27,61]  
*Fomitopsis rosea* (Alb. & Schwein.: Fr.) P. Karst. [15,17,26,27,61]  
*Funalia trogii* (Berk.) Bondartsev & Singer [15,26,28]  
*Ganoderma applanatum* (Pers.) Pat. [15,26,27,61]  
*Ganoderma colossus* (Fr.) C.F. Baker [NR,61]

- Ganoderma lobatum* (Schwein.) G.F. Atk. [15,26,27]
- Ganoderma lucidum* (Curtis: Fr.) P. Karst. [15,19,26,27,61]
- Ganoderma oregonense* Murrill [NR,61]
- Ganoderma tsugae* Murrill [15,26,27,61]
- Gloeophyllum abietinum* (Bull.: Fr.) P. Karst. [27]
- Gloeophyllum carbonarium* (Berk. & M.A. Curtis) Ryvarden [14,15,26,27,61]
- Gloeophyllum mexicanum* (Mont.) Ryvarden [27,61]
- Gloeophyllum odoratum* (Wulfen: Fr.) Imazeki [14,15,26,27]
- Gloeophyllum protractum* (Fr.) Imazeki [15,27]
- Gloeophyllum sepiarium* (Wulfen: Fr.) P. Karst. [14,15,22,26,27,62]
- Gloeophyllum striatum* (Sw.: Fr.) Murrill [15,27]
- Gloeophyllum trabeum* (Pers.) Murrill [22,26,27,61]
- Gloeoporus dichrous* (Fr.) Bres. [15,26,27,61]
- Gloeoporus pannocinctus* (Romell) J. Erikss. [27]
- Hapalopilus nidulans* (Fr.: Fr.) P. Karst. [14,15,26,27,61]
- Hapalopilus salmonicolor* (Berk. & M.A. Curtis) Pouzar [14,15,17,26,27]
- Helicocybe sulcata* (Berk.) Redhead & Ginns [15,19,22,26,30,45,60]
- Hirshioiporus versatilis* (Berk.) Imazeki [22,26]
- Hydnopolyiporus fimbriatus* (Fr.) D.A. Reid [15,26,28]
- Hyphoderma amoenum* (Burt) Donk [15,17,19,26,61]
- Hyphoderma argillaceum* (Bres.) Donk [14,15,17,26,61]
- Hyphoderma budingtonii* Lindsey & Gilb. [15,21,32,61]
- Hyphoderma clavigerum* (Bres.) Donk [15,26,30,61]
- Hyphoderma cremeoalbum* (Höhn. & Litsch.) Jülich [15]
- Hyphoderma cristulatum* (Fr.) Donk [21,26]
- Hyphoderma definitum* (H.S. Jacks.) Donk [14,15,17,26]
- Hyphoderma deserticola* Gilb. & Lindsey [15,21,22,61]
- Hyphoderma fouquieriae* Nakasone & Gilb. [21,45,61]
- Hyphoderma guttuliferum* (P. Karst.) Donk [15,17,26,61]
- Hyphoderma litschaueri* (Burt) J. Erikss. & Å. Strid [15,21]
- Hyphoderma medioburiense* (Burt) Donk [15,26]
- Hyphoderma obtusiforme* J. Erikss. & Å. Strid [15,21]
- Hyphoderma obtusum* J. Erikss. [15]
- Hyphoderma occidentale* (D.P. Rogers) Boidin & Gilles [15,17,26]
- Hyphoderma pallidum* (Bres.) Donk [14,15,17,22,26]
- Hyphoderma pilosum* (Burt) Gilb. & Budington [14,15,17,26,61]
- Hyphoderma populneum* (Peck) Donk [15,26,61]
- Hyphoderma praetermissum* (P. Karst.) J. Erikss. & Å. Strid [15]
- Hyphoderma puberum* (Fr.: Fr.) Wallr. [15,26]
- Hyphoderma roseocremeum* (Bres.) Donk [15,26]
- Hyphoderma setigerum* (Fr.: Fr.) Donk [14,15,26]
- Hyphoderma sibiricum* (Parmasto) J. Erikss. & Å. Strid [15,21]
- Hyphoderma tenue* (Pat.) Donk [14,17,26]
- Hyphodermella corrugata* (Fr.) J. Erikss. & Ryvarden [15]
- Hypochniciellum subillaqueatum* (Litsch.) Hjortstam [14,15,17,26,61]
- Hypochnicium analogum* (Bourdot & Galzin) J. Erikss. [15,17,26,61]
- Hypochnicium bombycinum* (Sommerf.: Fr.) J. Erikss. [14,15,19,26,61]
- Hypochnicium eichleri* (Bres. ex Sacc.) J. Erikss. & Ryvarden [15]
- Hypochnicium geogenium* (Bres.) J. Erikss. [15,61]
- Hypochnicium lundellii* (Bourdot) J. Erikss. [15,17,26]
- Hypochnicium prosopidis* Burds. [15,19,21,26]
- Hypochnicium punctulatum* (Cooke) J. Erikss. [14,15,17,26,61]
- Hypochnicium sphaerosporum* (Höhn. & Litsch.) J. Erikss. [14,15,17,26,61]
- Intextomyces contiguus* (P. Karst.) Erikss. & Ryvarden [NR,61]
- Ischnoderma resinosum* (Schrad.: Fr.) P. Karst. [27]
- Jahnoporus hirtus* (Quél.) Nuss [15,26,27]
- Junghuhnia collabens* (Fr.) Ryvarden [14,15,26,27,61]

- Junghuhnia lacera* (P. Karst.) Niemelä & Kinnunen [15,27]  
*Junghuhnia luteoalba* (P. Karst.) Ryvarden [14,15,26,27,61]  
*Junghuhnia nitida* (Pers.: Fr.) Ryvarden [15,27]  
*Laeticorticium roseum* (Pers.: Fr.) Donk [15,17,26,61]  
*Laeticorticium simplicibasidium* Lindsey & Gilb. [15,21,32,61]  
*Laetiporus conifericola* Burds. & Banik [15,17,26,27]  
*Laetiporus gilbertsonii* Burds. [17,61]  
*Laetisaria agavei* Burds. & Gilb. [3,15]  
*Laricifomes officinalis* (Vill.: Fr.) Kotl. & Pouzar [14,15,26,27,61]  
*Lentinus levis* (Berk. & M.A. Curtis) Murrill [26,60]  
*Lentinus strigosus* (Schwein.) Fr.: Fr. [15,26,45,60]  
*Lentinus tigrinus* (Bull.: Fr.) Fr. [15,26,60,62]  
*Lenzites betulina* (L.: Fr.) Fr. [15]  
*Leptoporus mollis* (Pers.: Fr.) Quél. [14,15,26,27,61]  
*Leptosporomyces fuscostriatus* (Burt) Hjortstam [14,15,17,26,61]  
*Leptosporomyces galzinii* (Bourdot) Jülich [14,15,17,26,61]  
*Leptosporomyces juniperinus* Gilb. & Lindsey [21,23,61]  
*Leptosporomyces mundus* (H.S. Jacks. & Dearden) Jülich [15,21]  
*Leptosporomyces septentionalis* (J. Erikss.) Krieglst. [15,26]  
*Lindneria baboquivariensis* (Gilb.) Gilb. & Ryvarden [19,21,27]  
*Lopharia crassa* (Lév.) Boidin [15,17,19,26,45,61]  
*Meruliodopsis albostramineus* (Torrend) Jülich & Stalpers [15,61]  
*Meruliodopsis ambigua* (Berk.) Ginns [15,26]  
*Meruliodopsis corium* (Pers.: Fr.) Ginns [14,15,17,19,26,61]  
*Meruliodopsis hirtella* (Burt) Ginns [14,15,17,26,61]  
*Meruliodopsis taxicola* (Pers.: Fr.) Bondartsev [15,17,26,27]  
*Merulius aureus* Fr.: Fr. [14,26,61]  
*Mycoacia austro-occidentalis* Canf. [15,19,21,45]  
*Mycoacia fuscoatra* (Fr.: Fr.) Donk [26]  
*Mycoacia uda* (Fr.: Fr.) Donk [15]  
*Mycolindneria leucobryophila* (Henn.) Rauschert [15,21]  
*Neolentinus lepideus* (Fr.: Fr.) Redhead & Ginns [4,14,15,26,60]  
*Neolentinus ponderosus* (O.K. Mill.) Redhead & Ginns [14,15,26,60,62]  
*Odonticium laxum* (L.W. Mill.) Ryvarden [15]  
*Oligoporus undosus* (Peck) Gilb. & Ryvarden [15,28]  
*Osteina obducta* (Berk.) Donk [15,17,26,28,61]  
*Pachykytospora tuberculosa* (DC.: Fr.) Kotl. & Pouzar [15,26,28]  
*Parmastomycetes mollissimus* (Maire) Pouzar [14,15,17,26,28,61]  
*Paullicorticium pearsonii* (Bourdot) J. Erikss. [14,15,17]  
*Perenniporia amylocladina* Gilb. & Ryvarden [15,28,61]  
*Perenniporia ellipsospora* Ryvarden & Gilb. [15]  
*Perenniporia fraxinea* (Bull.: Fr.) Ryvarden [NR,61]  
*Perenniporia fraxinophila* (Peck) Ryvarden [15,22,26,28,61]  
*Perenniporia medulla-panis* (Jacq.: Fr.) Donk [15,19,26,28,61]  
*Perenniporia ohiensis* (Berk.) Ryvarden [15,26,28,61]  
*Perenniporia subacida* (Peck) Donk [14,15,26,28,61]  
*Perenniporia tenuis* var. *pulchella* (Schwein.) Gilb. & Ryvarden [15,26,28]  
*Perenniporia tenuis* var. *tenuis* (Schwein.) Ryvarden [15,26,28,61]  
*Phaeolus schweinitzii* (Fr.: Fr.) Pat. [14,15,26,28,61,62]  
*Phanerochaete affinis* (Burt) Parmasto [15,21]  
*Phanerochaete allantospora* Burds. & Gilb. [15,19,45]  
*Phanerochaete arizonica* Burds. & Gilb. [15,19,45]  
*Phanerochaete avellanea* (Bres.) J. Erikss. & Hjortstam [15,26]  
*Phanerochaete burtii* (Romell ex Burt) Parmasto [15,17,61]  
*Phanerochaete cacaina* (Bourdot & Galzin) Burds. & Gilb. [14,15]  
*Phanerochaete carnosa* (Burt) Parmasto [14,15,17,26,61]  
*Phanerochaete chrysorhiza* (Torr.) Budington & Gilb. [19,26,30]  
*Phanerochaete filamentosa* (Berk. & M.A. Curtis) Burds. [26,61]  
*Phanerochaete fuscomarginata* (Burt) Gilb. [15,26,61]

- Phanerochaete jose-ferreiraiae* (D.A. Reid) D.A. Reid [15]
- Phanerochaete radicata* (Henn.) Nakasone, C.R. Bergman & Burds. [15]
- Phanerochaete sanguinea* (Fr.: Fr.) Pouzar [14,15,17,26,61]
- Phanerochaete sordida* (P. Karst.) J. Erikss. & Ryvarden [14,15,17,21,26]
- Phanerochaete tuberculata* (P. Karst.) Parmasto [15,19,26,30,45]
- Phanerochaete velutina* (DC.: Fr.) Parmasto [14,15,17,26,61]
- Phanerochaete xerophila* Burds. [15]
- Phlebia acerina* Peck [15]
- Phlebia albida* H. Post [14,15,17,26,61]
- Phlebia cretacea* (Romell ex Bourdot & Galzin) J. Erikss. & Hjortstam [NR,61]
- Phlebia deflectens* (P. Karst.) Ryvarden [15,17,26]
- Phlebia firma* J. Erikss. & Hjortstam [15]
- Phlebia lilascens* (Bourdot) J. Erikss. & Hjortstam [15]
- Phlebia livida* (Pers.: Fr.) Bres. [14,15,17,26,61]
- Phlebia ludoviciana* (Burt) Nakasone & Burds. [15,61]
- Phlebia mellea* Overh. [15,61]
- Phlebia ochraceofulva* (Bourdot & Galzin) Donk [19,21]
- Phlebia phlebioides* (H.S. Jacks. & Dearden) Donk [17,26,61]
- Phlebia radiata* Fr. [15,17,26,61]
- Phlebia rufa* (Pers.: Fr.) M.P. Christ. [17,26,61]
- Phlebia subochracea* (Bres.) J. Erikss. & Ryvarden [15]
- Phlebia subserialis* (Bourdot & Galzin) Donk [14,15,17,26,61]
- Phlebiella pseudotsugae* (Burt) K.H. Larss. & Hjortstam [15]
- Phlebiopsis gigantea* (Fr.: Fr.) Jülich [14,15,17,26,61]
- Piloderma bicolor* (Peck) Jülich [14,17,26]
- Piloderma byssinum* (P. Karst.) Jülich [14,15,17,26,61]
- Piloderma fallax* (Lib.) Stalpers [15]
- Piloderma reticulatum* (Litsch.) Jülich [15]
- Piloderma sphaerosporum* Jülich [21]
- Polyporus admirabilis* Peck [15,21,28,61]
- Polyporus alveolaris* (DC.: Fr.) Bondartsev & Singer [15,17,26,28]
- Polyporus arcularius* (Batsch) Fr. [15,19,22,26,28,45,61]
- Polyporus badius* (Pers.) Schwein. [15,17,26,28,61,62]
- Polyporus bresadolae* Schulzer [NR,61]
- Polyporus decurrens* Underw. [21]
- Polyporus destructor* (Schrad.) Fr. [17]
- Polyporus leptocephalus* (Jacq.) Fr. [15,26,28,62]
- Polyporus melanopus* (Pers.) Fr. [15,28]
- Polyporus squamosus* (Huds.) Fr. [15,17,26,28,62]
- Polyporus tuberaster* (Jacq.) Fr. [15,28]
- Polyporus varius* (Pers.) Fr. [15,26,28]
- Poria byssina* Romell [17,61]
- Poria conferta* Overh. [26]
- Poria lindbladii* (Berk.) Cooke [14,15,26,27,61]
- Poria oleagina* Overh. [17,26]
- Poria reticulata* (Fr.) Cooke [26,61]
- Poria simanii* (Pilát) Gilb. & J. Lowe [26,61]
- Postia balsamea* (Peck) Jülich [14,15,26,28,61]
- Postia caesia* (Schrad.: Fr.) P. Karst. [15,26,28,61]
- Postia floriformis* (Quél.) Jülich [15,28]
- Postia fragilis* (Fr.: Fr.) Jülich [14,15,26,28,61]
- Postia guttulata* (Peck) Jülich [28]
- Postia hibernica* (Berk. & Broome) Jülich [15,28]
- Postia leucomallella* (Murrill) Jülich [15,21]
- Postia perdelicata* (Murrill) M.J. Larsen & Lombard [15,26,28]
- Postia placenta* (Fr.) M.J. Larsen & Lombard [15,17,21,26,28]
- Postia rancida* (Bres.) M.J. Larsen & Lombard [15,26]
- Postia sericeomollis* (Romell) Jülich [28]
- Postia stipitica* (Pers.: Fr.) Jülich [15,28]
- Postia tephroleuca* (Fr.: Fr.) Jülich [14,15,26,28,62]
- Pycnoporellus alboluteus* (Ellis & Everh.) Kotl. & Pouzar [14,15,17,26,28,62]
- Pycnoporus cinnabarinus* (Jacq.) Fr. [14,15,26,28,45,61,62]
- Pycnoporus sanguineus* (L.: Fr.) Murrill [15,17,26,28,61]
- Pyrofomes demidoffii* (Lév.) Kotl. & Pouzar [15,22,26,28]
- Radulodon aneirinus* (Sommerf.) Spirin [15,26,27]
- Radulodon casearius* (Morgan) Ryvarden [NR,61]

- Radulomyces confluens* (Fr.: Fr.) M.P. Christ. [15,17,26,61]  
*Resinicium bicolor* (Alb. & Schwein.: Fr.) Parmasto [14,15,17,26,61]  
*Resinicium chiricahuaense* Gilb. & Budington [14,15,26,61]  
*Resinicium furfuraceum* (Bres.) Parmasto [14,15,17,26,61]  
*Rigidoporus crocatus* (Pat.) Ryvarden [15,17,26,28,61]  
*Rigidoporus sanguinolentus* (Alb. & Schwein.: Fr.) Donk [14,15,17,26,28,61]  
*Rigidoporus ulmarius* (Sowerby: Fr.) Imazeki [15,17,26,28,61]  
*Rigidoporus undatus* (Pers.: Fr.) Donk [15]  
*Rigidoporus vinctus* (Berk.) Ryvarden [21,61]  
*Scopuloides hydnoides* (Cooke & Massee) Hjortstam & Ryvarden [26]  
*Scopuloides rimosa* (Cooke) Jülich [15]  
*Sistotrema brinkmannii* (Bres.) J. Erikss. [14,15,17,26,61]  
*Sistotrema confluens* Pers.: Fr. [17,26,28]  
*Sistotrema coroniferum* (Höhn. & Litsch.) Donk [15,26,61]  
*Sistotrema hirschii* (Donk) Donk [15,26]  
*Sistotrema muscicola* (Pers.) S. Lundell [15,26]  
*Sistotrema raduloides* (P. Karst.) Donk [15,26]  
*Sistotrema subtrigonospermum* D.P. Rogers [15,17,26,61]  
*Sistotremastrum niveocremeum* (Höhn. & Litsch.) J. Erikss. [15]  
*Sistotremastrum sueicum* Litsch. ex J. Erikss. [15,21]  
*Skeletocutis alutacea* (J. Lowe) Jean Keller [NR,61]  
*Skeletocutis amorphia* (Fr.: Fr.) Kotl. & Pouzar [14,15,17,26,28,61]  
*Skeletocutis lenis* (P. Karst.) Niemelä [15,26,27,61]  
*Skeletocutis nivea* (Jungh.) Jean Keller [15,26,28]  
*Skeletocutis stellae* (Pilát) Jean Keller [15,17,26,28]  
*Skeletocutis subincarnata* (Peck) Jean Keller [14,15,17,19,26,28,61]  
*Skeletocutis vulgaris* (Fr.) Niemelä & Y.C. Dai [NR,61]  
*Sparassis crispa* (Wulfen: Fr.) Fr. [14,15,17,26,60,62]
- Sphaerobasidium minutum* (J. Erikss.) Oberw. [14,15,17,26]  
*Spongipellis unicolor* (Schwein.: Fr.) Murrill [15,26,28,61,62]  
*Steccherinum adustum* (Schwein.) Z.S. Bi & G.Y. Zheng [NR,61]  
*Steccherinum ciliolatum* (Berk. & M.A. Curtis) Gilb. & Budington [15,17,26,61]  
*Steccherinum fimbriatum* (Pers.: Fr.) J. Erikss. [14,15,17,26,61]  
*Steccherinum laeticolor* (Berk. & M.A. Curtis) Banker [15,17,26,61]  
*Steccherinum ochraceum* (Pers.: Fr.) Gray [15,17,26,61]  
*Steccherinum oreophilum* Lindsey & Gilb. [15,21,31,61]  
*Steccherinum robustius* (J. Erikss. & S. Lundell) J. Erikss. [NR,61]  
*Subulicystidium longisporum* (Pat.) Parmasto [15,17,26,61]  
*Theleporus ajovalliensis* Gilb. & M. Blackw. [16,28,61]  
*Tomentellopsis pallidoaurantiaca* (Gilb. & Budington) K.H. Larss. ex Ginns & M.N.L. Lefebvre [25]  
*Tomentellopsis pusilla* Hjortstam [15]  
*Trametes cervina* (Schwein.: Fr.) Bres. [15,28]  
*Trametes hirsuta* (Wulfen: Fr.) Pilát [15,26,28,61]  
*Trametes ochracea* (Pers.) Gilb. & Ryvarden [15,28]  
*Trametes suaveolens* (L.) Fr. [17,26,28]  
*Trametes versicolor* (L.: Fr.) Lloyd [15,26,28,62]  
*Trechispora candidissima* (Schwein.) Bondartsev & Singer [26]  
*Trechispora cohaerens* (Schwein.) Jülich & Stalpers [15,26]  
*Trechispora farinacea* (Pers.: Fr.) Liberta [14,15,17,23,26,61]  
*Trechispora fastidiosa* (Pers.: Fr.) Liberta [15,26]  
*Trechispora microspora* (P. Karst.) Liberta [14,15,26,61]  
*Trechispora mollusca* (Pers.: Fr.) Liberta [15,28]  
*Trechispora praefocata* (Bourdot & Galzin) Liberta [14,15,17,26]  
*Trechispora sphaerocystis* Burds. & Gilb. [3]  
*Trechispora variseptata* Burds. & Gilb. [3]  
*Trichaptum abietinum* (Dicks.: Fr.) Ryvarden [14,15,26,28,61,62]  
*Trichaptum biforme* (Fr.) Ryvarden [26,28,61]

*Trichaptum byssogenum* (Jungh.) Ryvarden [28]  
*Trichaptum laricinum* (P. Karst.) Ryvarden [28]  
*Trichaptum sector* (Ehrenb.: Fr.) Kreisel [15,26,61]  
*Trichaptum subchartaceum* (Murrill) Ryvarden [15,17,26,28,61]  
*Tubulicrinis calothrix* (Pat.) Donk [15,17,26,61]  
*Tubulicrinis chaetophora* (Höhn.) Donk [14,15,17,26,61]  
*Tubulicrinis gracillimus* (Ellis & Everh. ex D.P. Rogers & H.S. Jacks.) G. Cunn. [14,15,17,26,61]  
*Tubulicrinis hamatus* (H.S. Jacks.) Donk [15,26]  
*Tubulicrinis medius* (Bourdot & Galzin) Oberw. [15]  
*Tubulicrinis subulatus* (Bourdot & Galzin) Donk [14,15,17,26,61]  
*Tyromyces destructor* (Schrad.) Bondartsev & Singer [26]  
*Tyromyces immitis* (Peck) Bondartsev [26]  
*Tyromyces lacteus* (Fr.) Murrill [NR,61]  
*Tyromyces leucospongia* (Cooke & Harkn.) Bondartsev & Singer [17,26,28]  
*Tyromyces undosus* (Peck) Murrill [14,26]  
*Veluticeps abietina* (Pers.: Fr.) Hjortstam & Tellería [26]  
*Veluticeps berkeleyi* Cooke [14,15,26,61]  
*Veluticeps fimbriata* (Ellis & Everh.) Nakasone [NR,61]  
*Veluticeps pimeriensis* (Gilb.) Hjortstam & Tellería [14,15,26,61]  
*Wolfiporia dilatohypha* Ryvarden & Gilb. [15]  
*Wolfiporia sulphurea* (Burt) Ginns [15,19,26]  
*Xenasmatella vaga* (Fr.) Stalpers [14,15,17,26,61]

## Russulales

*Aleurodiscus bertii* Lloyd [15,17,61]  
*Aleurodiscus cerussatus* (Bres.) Höhn. & Litsch. [15]  
*Aleurodiscus diffissus* (Sacc.) Burt [15,61]  
*Aleurodiscus fennicus* Laurila [15]  
*Aleurodiscus lividocaeruleus* (P. Karst.) P.A. Lemke [15,17,22,66]  
*Aleurodiscus mesaverdensis* (Lindsey) Boidin [15]

*Amylosporus campbellii* (Berk.) Ryvarden [26,27,61]  
*Amylostereum chailletii* (Pers.: Fr.) Boidin [15,17,26]  
*Asterostroma cervicolor* (Berk. & M.A. Curtis) Massee [15,17,26,61]  
*Asterostroma muscicola* (Berk. & M.A. Curtis) Massee [15,26,45,61]  
*Auriscalpium vulgare* Gray [15,60,61,62]  
*Chaetoderma luna* (Romell ex D.P. Rogers & H.S. Jacks.) Parmasto [14,15,17,26]  
*Clavicorona divaricata* Leathers & A.H. Sm. [NR,65]  
*Clavicorona pyxidata* (Pers.: Fr.) Doty [15,21,60,62]  
*Cryptochaete rufa* (Fr.) P. Karst. [NR,61]  
*Dichostereum granulosum* (Pers.: Fr.) Boidin & Lanq. [14,15,17,26]  
*Dichostereum pallescens* (Schwein.) Boidin & Lanq. [15,26]  
*Echinodontium tinctorium* (Ellis & Everh.) Ellis & Everh. [15,26,27,60]  
*Gloeocystidiellum clavuligerum* (Höhn. & Litsch.) Nakasone [NR,61]  
*Gloeocystidiellum convolvens* (P. Karst.) Donk [15,17,26,61]  
*Gloeocystidiellum karstenii* (Bourdot & Galzin) Donk [15,26,61,66]  
*Gloeocystidiellum lactescens* (Berk.) Boidin [15,17,26,61]  
*Gloeocystidiellum leucoxanthum* (Bres.) Boidin [15,26,66]  
*Gloeocystidiellum luridum* (Bres.) Boidin [15,26,66]  
*Gloeocystidiellum porosum* (Berk. & M.A. Curtis) Donk [15,17,26,61]  
*Gloeocystidiellum sulfureoisabellinum* (Litsch.) Boidin [NR,61]  
*Gloeodontia discolor* (Berk. & M.A. Curtis) Boidin [15,26,61]  
*Gloiodon strigosus* (Sw.: Fr.) P. Karst. [15,26]  
*Hericium coralloides* (Scop.: Fr.) Pers. [15,21,26,60,62]  
*Hericium erinaceus* (Bull.: Fr.) Pers. [15,26,60,62]  
*Heterobasidion annosum* (Fr.: Fr.) Bref. [14,15,26,27,61]  
*Lactarius alnicola* A.H. Sm. [NR,62]  
*Lactarius aspideoides* Burl. [NR,67]  
*Lactarius barrowsii* Hesler & A.H. Sm. [NR,62]  
*Lactarius chrysorrheus* Fr. [NR,60]  
*Lactarius controversus* (Pers.: Fr.) Fr. [NR,67]

- Lactarius deliciosus* (L.: Fr.) Gray  
[NR,60,62]  
*Lactarius indigo* (Schwein.) Fr.  
[NR,60,62]  
*Lactarius montanus* var. *montanus*  
(Hesler & A.H. Sm.) Montoya & Band.-  
Muñoz [29]  
*Lactarius mucidus* Burl. [NR,62]  
*Lactarius pubescens* var. *pubescens*  
(Fr.) Fr. [29]  
*Lactarius repraesentaneus* Britzelm.  
[29]  
*Lactarius resimus* var. *resimus* (Fr.: Fr.)  
Fr. [29]  
*Lactarius rubrilacteus* Hesler & A.H.  
Sm. [NR,62]  
*Lactarius rufulus* Peck [NR,62]  
*Lactarius subdulcis* (Bull.: Fr.) Gray  
[NR,60]  
*Lactarius subvillus* Hesler & A.H.  
Sm. [29]  
*Lactarius torminosus* (Schaeff.: Fr.)  
Gray [NR,60]  
*Lactarius trivialis* (Fr.: Fr.) Fr. [4]  
*Lactarius uvidus* (Fr.) Fr. [NR,62]  
*Lactarius vinaceorufescens* A.H. Sm.  
[NR,62]  
*Lactarius volemus* (Fr.) Fr. [NR,60]  
*Lactarius xanthogalactus* Peck [NR,62]  
*Lactarius zonarius* (Bull.) Fr. [NR,67]  
*Lentinellus cochleatus* (Pers.: Fr.) P.  
Karst. [15,26,60]  
*Lentinellus micheneri* (Berk. & M.A.  
Curtis) Pegler [15,60,62]  
*Lentinellus ursinus* (Fr.: Fr.) Kühner  
[15,26,60,62]  
*Martellia ellipsospora* (Zeller) Singer &  
A.H. Sm. [11,13,52]  
*Mucronella calva* (Alb. & Schwein.) Fr.  
[14,15,17,26,61]  
*Peniophora albobadia* (Schwein.: Fr.)  
Boidin [15,19,26,45]  
*Peniophora cinerea* (Pers.: Fr.) Cooke  
[15]  
*Peniophora firma* Burt [NR,61]  
*Peniophora flavidyalba* Cooke [NR,61]  
*Peniophora gilbertsonii* Boidin [15]  
*Peniophora laurentii* S. Lundell  
[17,26,61]  
*Peniophora ludoviciana* Burt [17]  
*Peniophora nuda* (Fr.: Fr.) Bres.  
[15,17,19,61]  
*Peniophora odorata* (P. Karst.) Burt  
[NR,61]  
*Peniophora perexigua* H.S. Jacks.  
[15,17,61]
- Peniophora pithya* (Pers.) J. Erikss.  
[15,17,61]  
*Peniophora polygonia* (Pers.: Fr.) Bourdot  
& Galzin [15,17]  
*Peniophora pseudopini* Weresub & I.A.S.  
Gibson [15]  
*Peniophora quercina* (Pers.: Fr.) Cooke [15]  
*Peniophora rufa* (Pers.: Fr.) Boidin [15,17]  
*Peniophora subsulphurea* (P. Karst.) Höhn.  
& Litsch. [NR,61]  
*Peniophora tamaricicola* Boidin &  
Malençon [18,19,30,45]  
*Peniophora versiformis* (Berk. & M.A.  
Curtis) Bourdot & Galzin [15,17,26]  
*Peniophora violaceolivida* (Sommerf.)  
Massee [15,17]  
*Russula abietina* Peck [NR,68]  
*Russula aeruginea* Fr. [NR,68]  
*Russula aeruginosa* Pers. [NR,62]  
*Russula albonigra* (Krombh.) Fr. [NR,62]  
*Russula alutacea* (Fr.) Fr. [NR,60,62,63,68]  
*Russula amethystina* Quél. [NR,63,68]  
*Russula amoenicolor* Romagn. [NR,68]  
*Russula atroviolacea* Burl. [8]  
*Russula brevipes* Peck [NR,62,68]  
*Russula cinereovinosa* Fatto [8,9,63,68]  
*Russula claroflava* Grove [NR,62]  
*Russula cochisei* Fatto [8,63,68]  
*Russula compacta* Frost [NR,60]  
*Russula decolorans* (Fr.) Fr. [NR,62]  
*Russula delica* Fr. [4,60,62]  
*Russula densifolia* Secr. ex Gillet  
[NR,60,62,68]  
*Russula emetica* (Schaeff.: Fr.) Pers.  
[NR,60]  
*Russula foetens* (Pers.: Fr.) Pers. [NR,60]  
*Russula fragrantissima* Romagn. [NR,62]  
*Russula grata* Britzelm. [4]  
*Russula heterophylla* (Fr.: Fr.) Fr.  
[NR,62,68]  
*Russula integra* (L.: Fr.) Fr. [NR,62]  
*Russula lutea* (Huds.: Fr.) Fr.  
[NR,60,62,63,68]  
*Russula macropoda* Singer [NR,68]  
*Russula maculata* Quél. & Roze [NR,67]  
*Russula nigricans* (Bull.) Fr. [4,62]  
*Russula nobilis* Velen. [NR,67]  
*Russula ornaticeps* Burl. [NR,68]  
*Russula palustris* Peck [NR,60]  
*Russula pectinatoides* Peck [NR,68]  
*Russula rhodopoda* Zvára [NR,63,68]  
*Russula sanguinaria* (Schumach.) Rauschert  
[NR,62]  
*Russula subfoetens* Wm.G. Sm. [NR,68]  
*Russula veterans* Fr. [4]  
*Russula virescens* (Schaeff.) Fr. [NR,67]

*Russula xerampelina* (Schaeff.) Fr.  
[NR,60,63,68]  
*Russula zelleri* Burl. [NR,68]  
*Scytonostroma arachnoideum* (Peck)  
Gilb. [15,26]  
*Scytonostroma galactinum* (Fr.) Donk  
[14,15,17,26]  
*Scytonostroma ochroleucum* (Bres. &  
Torrend) Donk [15,26]  
*Scytonostroma protrusum* (Burt)  
Nakasone [15,17,26]  
*Stereum gausapatum* (Fr.) Fr. [26]  
*Stereum hirsutum* (Willd.) Pers.: Fr.  
[15,26,62]  
*Stereum ochraceoflavum* (Schwein.) Fr.  
[15,26]  
*Stereum ostrea* (Blume & T. Nees) Fr.  
[26]  
*Stereum sanguinolentum* (Alb. &  
Schwein.) Fr. [15,26]  
*Vararia athabascensis* Gilb. [15,26]  
*Vararia fibra* A.L. Welden [15,21,23]  
*Vararia investiens* (Schwein.) P. Karst.  
[15]  
*Vararia racemosa* (Burt) D.P. Rogers &  
H.S. Jacks. [15,17,26]  
*Vararia tropica* A.L. Welden [19,21]  
*Vesiculomyces citrinus* (Pers.) E.  
Hagstr. [14,15,17,26,61,66]  
*Wrightoporia lenta* (Overh. & J. Lowe)  
Pouzar [15,26]

### Thelephorales

*Amaurodon mustialaensis* (P. Karst.)  
Köljalg & K.H. Larss. [15,26]  
*Amaurodon viridis* (Alb. & Schwein.:  
Fr.) J. Schröt. [15]  
*Hydnellum concrescens* (Pers.) Banker  
[NR,60]  
*Hydnellum conigenum* (Peck) Banker  
[NR,62]  
*Hydnellum humidum* (Banker) Banker  
[NR,60]  
*Hydnellum regium* K.A. Harrison  
[NR,62]  
*Hydnellum suaveolens* (Scop.: Fr.) P.  
Karst. [NR,60]  
*Phlyctibasidium polyporoideum* (Berk.  
& M.A. Curtis) Jülich [15]  
*Polyozellus multiplex* (Underw.) Murrill  
[NR,65]  
*Pseudotomentella atrofusca* M.J. Larsen  
[26]  
*Pseudotomentella mucidula* (P. Karst.)  
Svrček [14,15,26]

*Pseudotomentella tristis* (P. Karst.) M.J.  
Larsen [14,15,26]  
*Sarcodon calvatus* (K.A. Harrison) K.A.  
Harrison [NR,62]  
*Sarcodon imbricatus* (L.: Fr.) P. Karst.  
[NR,60,62]  
*Thelephora caryophyllea* (Schaeff.) Pers.:  
Fr. [15]  
*Thelephora cuticularis* Berk. [15]  
*Thelephora regularis* Schwein. [15]  
*Thelephora terrestris* Ehrh.: Fr.  
[14,15,26,62]  
*Tomentella atrocyanea* Wakef. [15]  
*Tomentella badia* (Link) Stalpers [14,15,26]  
*Tomentella botryoides* (Schwein.) Bourdot  
& Galzin [14,15,26]  
*Tomentella bryophila* (Pers.) M.J. Larsen  
[15,26]  
*Tomentella cinerascens* (P. Karst.) Höhn. &  
Litsch. [15,26]  
*Tomentella coerulea* (Bres.) Höhn. & Litsch.  
[19,26]  
*Tomentella crinalis* (Fr.) M.J. Larsen  
[15,26,61]  
*Tomentella ellisii* (Sacc.) Jülich & Stalpers  
[15]  
*Tomentella ferruginea* (Pers.: Fr.) Pat.  
[15,26]  
*Tomentella fuscocinerea* (Pers.: Fr.) Donk  
[15,26,61]  
*Tomentella italica* (Sacc.) M.J. Larsen [15]  
*Tomentella lapida* (Pers.) Stalpers  
[14,15,26]  
*Tomentella lateritia* Pat. [14,15,26,61]  
*Tomentella lilacinogrisea* Wakef. [15,26]  
*Tomentella microspora* (P. Karst.) Höhn. &  
Litsch. [26]  
*Tomentella pilosa* (Burt) Bourdot & Galzin  
[14,15,26]  
*Tomentella punicea* (Alb. & Schwein.: Fr.)  
J. Schröt. [15,26]  
*Tomentella sparsa* (Burt) Bourdot & Galzin  
[26]  
*Tomentella stuposa* (Link) Stalpers [15]  
*Tomentella terrestris* (Berk. & Broome)  
M.J. Larsen [15]  
*Tomentella umbrinella* (Bourdot & Galzin)  
M.P. Christ. [14,26]  
*Tomentella umbrinospora* M.J. Larsen [15]  
*Tomentella viridescens* (Bres. & Torrend)  
Bourdot & Galzin [15]  
*Tomentella viridis* (Berk.) G. Cunn.  
[14,26,61]  
*Tomentellastrum caesiocinereum* Svrček  
[15]

*Tomentellina fibrosa* (Berk. & M.A. Curtis) M.J. Larsen [14,15,26,61]

### Tremellales

*Aporpium caryae* (Schwein.) Teixeira & D.P. Rogers [26]  
*Basidiocladus caesiocinereum* (Höhn. & Litsch.) Luck-Allen [15,26]  
*Basidiocladus cinereum* (Bres.) Luck-Allen [14,15,26]  
*Basidiocladus eyrei* (Wakef.) Luck-Allen [15,26]  
*Basidiocladus fulvum* (Massee) Ginns [15]  
*Basidiocladus grandinioides* (Bourdot & Galzin) Luck-Allen [26]  
*Ductifera sucina* (A. Möller) K. Wells [NR,61]  
*Eichleriella schenkii* Burt [15]  
*Eichleriella spinulosa* (Berk. & M.A. Curtis) Burt [NR,61]  
*Exidia glandulosa* (Bull.) Fr.: Fr. [15,21,26,61]  
*Exidia nucleata* (Schwein.) Burt [26]  
*Exidia recisa* (Ditmar) Fr. [NR,61]  
*Exidia saccharina* Fr.: Fr. [15,26]  
*Exidiopsis leucophaea* (Bres.) K. Wells [19,26]  
*Exidiopsis molybdea* (McGuire) Ervin [15,26]  
*Exidiopsis opalea* (Bourdot & Galzin) D.A. Reid [26]  
*Microsebacina fugacissima* (Bourdot & Galzin) P. Roberts [15,26]  
*Myxarium atratum* (Peck) Ginns & M.N.L. Lefebvre [15]  
*Pseudohydnum gelatinosum* (Scop.: Fr.) P. Karst. [15,26,62]  
*Sebacina calcea* (Pers.: Fr.) Bres. [15,19,22,26,61]  
*Sebacina epigaea* (Berk. & Broome) Bourdot & Galzin [15,21]  
*Stypella glaira* (Lloyd) P. Roberts [15]  
*Stypella subhyalina* (A. Pearson) P. Roberts [15,21]  
*Tremella foliacea* Pers.: Fr. [15,26,61]  
*Tremella mesenterica* Retz.: Fr. [15,26]  
*Tremella simplex* H.S. Jacks. & G.W. Martin [19,26]  
*Tremella subanomala* Coker [15]  
*Tremella tubercularia* Berk. [15,26]

### Tulasnellales

*Tulasnella allantospora* Wakef. & A. Pearson [14,15,26]

*Tulasnella violea* (Quél.) Bourdot & Galzin [14,15,26]

### Incertae Sedis

*Colacogloea peniophorae* (Bourdot & Galzin) Oberw., R. Bauer & Bandoni [19,26]  
*Helicobasidium candidum* G.W. Martin [15,26]  
*Helicobasidium corticioides* Bandoni [15]  
*Helicogloea contorta* G.E. Baker [15]  
*Helicogloea farinacea* (Höhn.) D.P. Rogers [15,26]  
*Helicogloea lagerheimii* Pat. [15,26]  
*Phymatotrichopsis omnivora* (Duggar) Hennebert [15,21,45]  
*Platygloea mycophila* Burds. & Gilb. [19]

### ZYGOMYCOTA

#### Endogonales

*Endogone lactiflua* Berk. [55,64]

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