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ANNOTATED CHECKLIST OF WOOD-ROTTING BASIDIOMYCETES OF THE SKY ISLANDS IN SOUTHEASTERN ARIZONA

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ABSTRACT

Five hundred and eighty species of wood-rotting basidiomycetes are reported from the six highest mountain ranges in southern Arizona in Graham, Cochise, Pima, and Santa Cruz counties. For each fungal species the mountain range records, the species of woody plant hosts or substrates, and the type of rot are given.

INTRODUCTION

The Sky Islands of the Madrean Archipelago have been recognized as an area of exceptional biological diversity. Recent publications have focused on the floristic and faunal diversity in these mountains (Anonymous 1995). The mycobiota have received less attention although fungi are a major and essential component in the functioning of forest ecosystems that characterize the Sky Islands. Previous listings of wood-rotting fungi from Arizona (Gilbertson 1974; Gilbertson and Budington 1970, Gilbertson et al. 1974, 1979, Gilbertson and Lowe 1962) include numerous species from the Sky Islands but no comprehensive list has been published.

Wood-rotting basidiomycetes are among the fungi that have essential ecological functions (Gilbertson 1980). Many Sky Island tree species, especially conifers, are obligate symbionts with ectotrophic mycorrhizal basidiomycetes (Nishida et al. 1992, States 1990). In addition to these essential mycorrhizal species, a large number of wood-rotting basidiomycetes also have critical ecological functions. These are the major decomposers in the carbon cycle and are indispensable in returning carbon dioxide to the atmosphere. Some fungi invade living trees through branch stubs or wounds and decay heartwood, weakening the tree structurally and predisposing it to windthrow or breakage. This is an important aspect of the senescence and eventual removal of older trees from the stand, thus enabling young vigorous trees to replace them. Decay residues produced by these fungi may be important soil components (Harvey et al. 1976, Jurgenson et al. 1977, Larsen et al. 1980). Brown rot fungi are especially important in this regard. Brown rot basidiomycetes selectively remove cellulose and other polysaccharides from wood, leaving a residue in the final stages that is essentially slightly modified lignin. These brown rot residues are extremely stable and persist for long periods as soil components. Soils with a high level of brown rot residues have been shown to have greatly increased water-holding capacity, a higher cation exchange capacity, and are sites of greater ectomycorrhizal development and nitrogen fixation by nonsymbiotic nitrogen fixing organisms. In addition, brown rot residues act as natural buffer systems and maintain an optimum pH for conifer survival and growth. Brown rot residues also ameliorate soil temperatures.

Birds that excavate nesting and roosting cavities in standing trees generally select trees that have heartwood degraded by wood-rotting basidiomycetes. An adequate number of older trees with heartrot and dead snags with decay columns should be preserved to maintain populations of primary cavity excavators, especially woodpeckers, and many other species of birds that utilize these cavities for nesting. Cavities resulting from decay are also used by other arboreal animals including squirrels. Decayed fallen trees provide shelter and nesting habitat for many other forest animals including mammals, amphibians, and reptiles. Fruiting bodies of many basidiomycetes serve as breeding and feeding sites for insects and also are an important food item for higher animals (Gilbertson 1980).

STUDY AREA

The Sky Island mountain ranges represented in this paper (Fig. 1) and their highest points are: **CH** - Chiricahua Mountains, Cochise County, 9,796 ft. (Chiricahua Pk.). **HU** - Huachuca Mountains, Santa Cruz and Cochise Counties, 9,466 ft. (Miller Pk.). **PI** - Pinaleno Mountains, Graham County, 10,717 ft. (Mt. Graham). **RI** - Rincon Mountains, Pima County, 8,666 ft. (Mica Mountain). **SC** - Santa Catalina Mountains, Pima County, 9,157 ft. (Mt. Lemmon). **SR** - Santa Rita Mountains, Pima and Santa Cruz Counties, 9,453 ft. (Mt. Wrightson).

Trees and shrubs reported as substrates are as follows: **ABBI**: *Abies bifolia* A. Murray (corkbark fir); **ABCO**: *Abies concolor* (Gord. & Glend.) Lindl. ex Hildebr. (white fir); **ACGL**: *Acer glabrum* Torr. (Rocky Mountain maple); **ACGR**: *Acer grandidentatum* Nutt. (canyon maple); **ACNE**: *Acer negundo* L. (box elder); **AGPA**: *Agave palmeri* Engelm. (Palmer agave); **ALOB**: *Alnus oblongifolia* Torr. (Arizona alder); **ARAR**: *Arbutus arizonica* (A. Gray) Sarg.

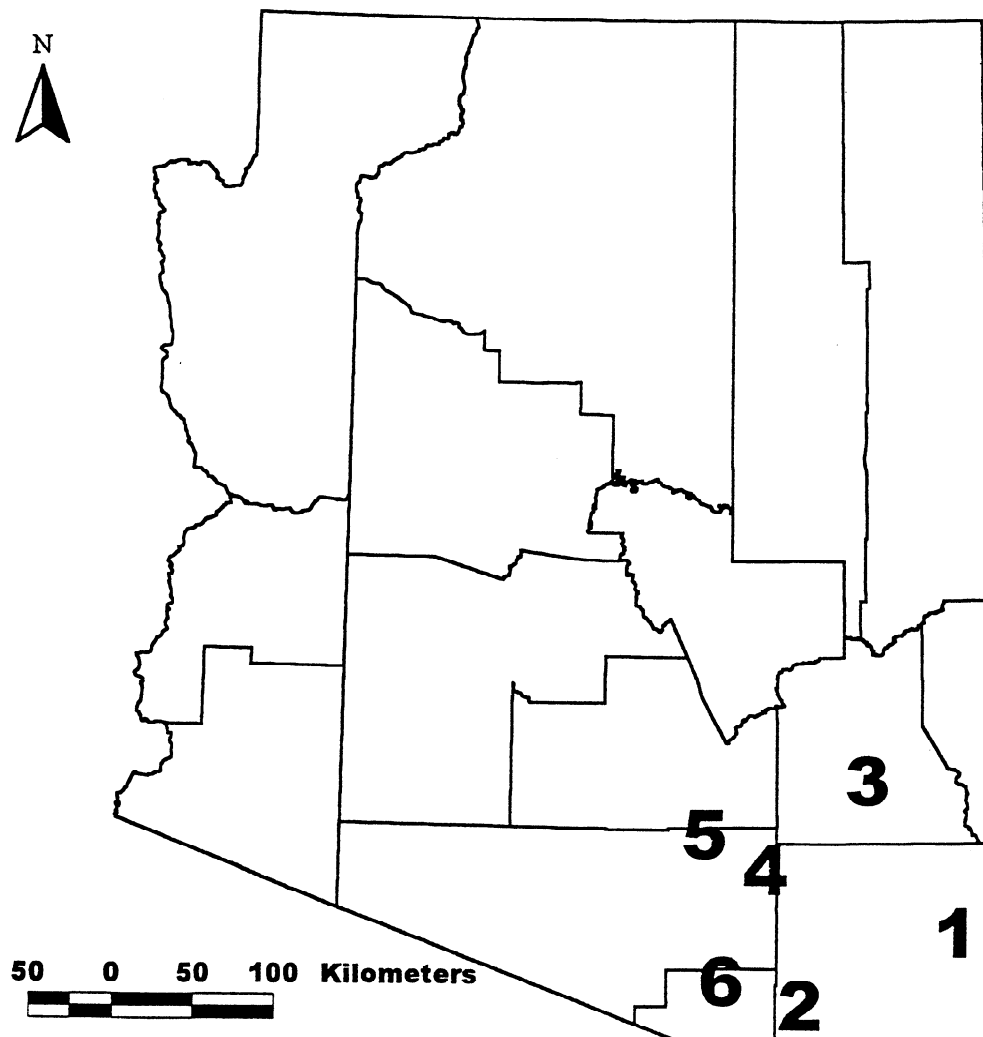


Figure 1. Map of Arizona showing county lines and locations of Sky Island mountain ranges pertinent to this paper: 1. Chiricahua Mts.; 2. Huachuca Mts.; 3. Pinaleno Mts.; 4. Rincon Mts.; 5. Santa Catalina Mts.; 6. Santa Rita Mts.

(Arizona madrone); **ARPU**: *Arctostaphylos pungens* H.B.K. (point-leaf manzanita); **BASA**: *Baccharis sarothroides* A. Gray (desert-broom); **CAGI**: *Carnegiea gigantea* (Engelm.) Britt. & Rose (saguaro); **CEBE**: *Cercocarpus betuloides* Nutt. (birch-leaf mountain-mahogany); **CEFE**: *Ceanothus fendleri* A. Gray (Fendler ceanothus); **CEGR**: *Ceanothus greggii* A. Gray (Gregg ceanothus); **CEMI**: *Cercidium microphyllum* (Torr.) Rose & Johnst. (foothill palo verde); **CEMO**: *Cercocarpus montanus* Raf. var. *paucidentatus* (S. Watson) F.L. Martin (hairy mountain-mahogany); **CEPA**: *Celtis pallida* Torr. (desert hackberry); **CHLI**: *Chilopsis linearis* (Cav.) Sweet (desert-willow); **COST**: *Cornus stolonifera* Michx. (red osier dogwood); **COWA**: *Condalia warnockii* M.C. Johnst. (squaw-bush); **CRBI**: *Crossosoma bigelovii* S. Watson (Bigelow ragged rock flower); **CUAR**: *Cupressus arizonica* Greene (Arizona cypress); **DAWH**: *Dasyllirion wheeleri* S. Watson (desert spoon); **DOVI**: *Dodonaea viscosa* Jacq. (hopbush); **ERFL**: *Erythrina flabelliformis* Kearny (southwestern coralbean); **ERLA**: *Ericameria laricifolia* (A. Gray) Shinners (turpentine bush); **FOSP**: *Fouquieria splendens* Engelm. (ocotillo); **FRVE**: *Fraxinus velutina* Torr. (velvet ash); **GAFL**: *Garrya flavescens* S. Watson (quinine bush); **GAWR**: *Garrya wrightii* Torr. (silk-tassel); **HODI**: *Holodiscus discolor* (Pursh) Maxim. (ocean spray); **ISTE**: *Isocoma tenuisecta* E.L. Greene (burroweed); **JAAM**: *Jamesia americana* Torr. & A. Gray (cliff-bush); **JUCO**: *Juniperus coahuilensis* (Martinez) Gausson ex R.P. Adams (red berry juniper); **JUDE**: *Juniperus deppeana* Steud. (alligator juniper); **JUMA**: *Juglans major* (Torr.) Heller (Arizona walnut); **LATR**: *Larrea tridentata* (DC.) Coville (creosote bush); **LYAN**: *Lycium andersonii* A. Gray (Anderson wolfberry); **MAPU**: *Malus pumila* Mill. (apple); **MIAC**: *Mimosa aculeaticarpa* Ortega var. *biuncifera* (Benth.) Barneby (wait-a-minute); **MOMI**: *Morus microphylla* Buckl. (Texas mulberry); **MOSC**: *Mortonia scabrella* A. Gray (mortonia); **OPFU**: *Opuntia fulgida* Engelm. (jumping cholla); **OPSP**: *Opuntia spinosior* (Engelm.) Toumey (cane cholla); **OPVE**: *Opuntia versicolor* Engelm. (staghorn cholla); **PICE**: *Pinus cembroides* Zucc. (Mexican pinyon); **PIEN1**: *Picea engelmannii* Parry (Engelmann spruce); **PIEN2**: *Pinus engelmannii* Carr. (Apache pine); **PILE**: *Pinus leiophylla* Schiede & Deppe var. *chihuahuana* (Engelm.) Shaw (Chihuahua pine); **PIPO**: *Pinus ponderosa* Laws. (ponderosa pine); **PIST**: *Pinus strobiformis* Engelm. (southwestern white pine); **PLWR**: *Platanus wrightii* S. Watson (Arizona sycamore); **POFR**: *Populus fremontii* S. Watson (Fremont cottonwood); **POTR**: *Populus tremuloides* Michx. (quaking aspen); **PREM**: *Prunus emarginata* (Douglas) D. Dietr. (bitter cherry); **PRVE**: *Prosopis velutina* Woot. (velvet mesquite); **PRSE**: *Prunus serotina* Ehrh. subsp. *virens* (Woot. & Standl.) McVaugh (southwestern chokecherry); **PSME**: *Pseudotsuga menziesii* (Mirb.) Franco var. *glauca* (Beissn.) Franco (Rocky Mountain Douglas-fir); **PUME**: *Purshia mexicana* (D. Don) Welsh (cliffrose); **QUAR**: *Quercus arizonica* Sarg. (Arizona white oak); **QUEM**: *Quercus emoryi* Torr. (Emory oak); **QUGA**: *Quercus gambelii* Nutt. (Gambel oak); **QUHY**: *Quercus hypoleucoides* Camus (silverleaf oak); **QUOB**: *Quercus oblongifolia* Torr. (Mexican blue oak); **QURU**: *Quercus rugosa* Nee (netleaf oak); **RONE**: *Robinia neomexicana* A. Gray (New Mexico black locust); **SAGO**: *Salix gooddingii* Ball (Goodding willow); **SASA**: *Sapindus saponaria* L. var. *drummondii* (Hook. & Arn.) Benson (western soapberry); **SICH**: *Simmondsia chinensis* (Link) Schneid. (jojoba); **VACA**: *Vaquelinia californica* (Torr.) Sarg. (Arizona rosewood); **VIAR**: *Vitis arizonica* Engelm. (canyon grape); **YUBA**: *Yucca baccata* Torr. (banana yucca).

WOOD-ROTTING BASIDIOMYCETES OF THE SKY ISLANDS

The listing of fungi in this paper is based on specimens in the Mycological Herbarium of the University of Arizona (ARIZ) supplemented by records from the herbarium of the Center for Forest Mycology Research, U.S. Forest Service, Madison, WI (CFMR). The fungi reported here are listed alphabetically by genus. Concepts of families and higher taxa of Basidiomycetes have changed drastically in recent years and are controversial today. For current concepts and a key to

families see Hawksworth et al. (1995). All of the genera listed here are indexed and the family given in that reference. For each fungal species, the mountain ranges where it has been recorded, the woody plant hosts or substrates, and the type of rot are given. Fungal species marked with an asterisk (*) cause decay in living trees. Authors of fungal names follow Kirk and Ansell (1992).

ANNOTATED LIST OF SKY ISLAND WOOD-ROTTING FUNGI

- Acanthophysium bertii* (Lloyd) Boidin. CH, SR; CEBE, CEMO, GAWR, JUCO, QUEM, QUHY; white rot.
- A. cerrusatum* (Bres.) Boidin. CH, HU, SC, SR; ABCO, CEMO, GAWR, JUCO, PLWR, PRSE, QUAR; white rot.
- A. diffissum* (Sacc.) Parmasto. CH, HU; CEGR, JUMA, LYAN, QUAR; white rot.
- A. fennicum* (Laurila) Parmasto. PI; PIEN1; white rot.
- A. lividoeruleum* (P. Karst.) Boidin. CH, PI, SC, SR; ABCO, CUAR, JUDE, PIEN1, PSME; white rot.
- A. mesaverdense* Lindsey. SC; PIPO; white rot.
- Aleurocystidiellum disciformis* (DC.: Fr.) Boidin. CH, HU, PI, SC; QUAR, QUHY, QUOB; white rot.
- Aleurodiscus amorphus* (Pers.: Fr.) J. Schröt. CH, PI, SC; ABBI, ABCO; white rot.
- A. croceus* Pat. SC; QURU; white rot.
- A. oakesii* (Berk. & M. A. Curtis) Höhn. & Litsch. CH, PI, SC; QUAR, QUHY, QURU; white rot.
- A. spiniger* D. P. Rogers & P. A. Lemke. SC; PSME; white rot.
- Amphinema byssoides* (Fr.) J. Erikss. CH, HU; PI, SC, SR; ABCO, PIEN1, PIEN2, PIPO, POTR, PSME; white rot.
- A. tomentellum* (Bres.) Bourdot & Galzin. PI, SC; PIEN1, POTR; white rot.
- Amylocorticium subincarnatum* (Peck) Pouzar. PI, SC; PIEN1, PIPO; brown rot.
- A. subsulphureum* (P. Karst.) Pouzar. SC; PIPO; brown rot.
- Amylocystis lapponica* (Romell) Bondartzev & Singer. CH, PI; PIEN1; brown rot.
- **Amylostereum chailletii* (Pers.: Fr.) Boidin. CH, HU, PI, SC; ABBI, ABCO, PSME; white rot.
- Anomoporia bombycina* (Fr.) Pouzar. CH, HU, PI, SC; PILE, PIPO, POTR, PSME; brown rot.
- Antrodia albida* (Fr.: Fr.) Donk. CH, HU, SC, SR; ABCO, ACGL, ARAR, CUAR, FRVE, JUCO, JUDE, JUMA, PICE, PLWR, QUEM, QUHY, QURU; brown rot.
- A. carbonica* (Overh.) Ryvarde & Gilb. CH, SC; PIEN1, PIPO, PSME; brown rot.
- A. crassa* (P. Karst.) Ryvarde. CH, SC, SR; PIPO; brown rot.
- **A. ferox* (Long & D. V. Baxter) Gilb. & Ryvarde. CH, HU, SR; JUDE; brown rot.
- A. heteromorpha* (Fr.: Fr.) Donk. RI, SR; CEMI, PRVE; brown rot.
- **A. juniperina* (Murrill) Niemelä & Ryvarde. CH, HU, SC, SR; JUCO, JUDE; brown rot.
- A. malicola* (Berk. & M. A. Curtis) Donk. CH; PLWR; brown rot.
- A. odora* (Peck ex Sacc.) Gilb. & Ryvarde. CH, PI, SC; PIEN1, PIPO, PIST; brown rot.

- A. radiculosa* (Peck) Gilb. & Ryvarden. CH, SC, SR; CUAR, PIEN2, PIPO, PLWR, PSME; brown rot.
- A. serialis* (Fr.) Donk. CH, PI, SC; ABCO, CUAR, PIEN1, PIPO, POTR, PSME; brown rot.
- A. sinuosa* (Fr.) P. Karst. CH, PI, SC; PIEN1, PIPO, PSME; brown rot.
- A. sitchensis* (D. V. Baxter) Gilb. & Ryvarden. CH, HU, SC; PILE, PIPO, PIST, PSME; brown rot.
- A. sordida* Ryvarden & Gilb. SC; PIPO; brown rot.
- A. vaillantii* (DC.: Fr.) Ryvarden. CH, SC, SR; CUAR, JUDE, PIEN2, PIPO; brown rot.
- A. xantha* (Fr.: Fr.) Ryvarden. CH, HU, PI, SC; PIPO, PIST, PSME; brown rot.
- Antrodiella romellii* (Donk) Niemelä. CH, SC; PIPO, PSME; white rot.
- A. semisupina* (Berk. & M. A. Curtis) Ryvarden. SC; ALOB; white rot.
- **Armillaria mellea* (Vahl: Fr.) P. Kumm. CH, PI, SC, SR; QUAR, QUGA, QUHY; white rot.
- **A. ostoyae* (Romagn.) Herink. CH, PI, SC; ABCO, PIEN1, PIPO, PIST, POTR, PSME; white rot.
- Asterostroma cervicolor* (Berk. & M. A. Curtis) Massee. CH, SC, SR; ABCO, PSME, QUAR; white rot.
- A. muscicolum* (Berk. & M. A. Curtis) Massee. CH, SR; FOSP, PSME; white rot.
- Athelia arachnoidea* (Berk.) Jülich var. *arachnoidea*. RI, SC; CAGI, PRVE; white rot.
- A. bombacina* Pers. CH; PIPO; white rot.
- A. coprophila* (Wakef.) Jülich. RI, SC, SR; CEMI, DAWH, FOSP; white rot.
- A. decipiens* (Höhn. & Litsch.) J. Erikss. CH, HU, PI, SC; ABCO, ALOB, DOVI, PILE, PIPO, PRSE, PSME; white rot.
- A. epiphylla* Pers.: Fr. CH, PI, SC, SR; ABBI, ABCO, ALOB, CUAR, PIPO, POTR, QUAR, QUHY, QURU; white rot.
- A. fibulata* M. P. Christ. CH; POTR; white rot.
- A. microspora* (P. Karst.) Gilb. CH, PI, SC; ABBI, PIPO; white rot.
- A. munda* (H. S. Jacks. & Dearden) M. P. Christ. SC; ABCO; white rot.
- A. scutellare* (Berk. & M. A. Curtis) Gilb. SC; PSME, QURU; white rot.
- Auricularia auricula-judae* (Bull.: Fr.) Wettst. CH, PI, SC, SR; ABBI, JUMA, PIEN1, QUHY, QURU; white rot.
- Auriscalpium vulgare* Gray. CH, SC; PIPO, PSME; usually on cones.
- Basidioidendron caesiocinerea* (Höhn. & Litsch.) Luck-Allen. CH, SC; ABBI, ABCO, PIPO; white rot.
- B. cinerea* (Bres.) Luck-Allen. CH; PIPO; white rot.
- B. eyrei* (Wakef.) Luck-Allen. CH, PI, SC, SR; JUMA, PLWR, POTR, QUAR, QUEM; white rot.
- B. fulvum* (Massee) Ginns. SC; POTR; white rot.
- Bjerkandera adusta* (Willd.: Fr.) P. Karst. CH, PI, SC; ABCO, ALOB, PIST, POTR; white rot.

- Botryobasidium ansosum* (H. S. Jacks. & D. P. Rogers) Parmasto. CH, PI; PIEN1, PIPO; white rot.
- B. botryosum* (Bres.) J. Erikss. PI; ABBI, PIEN1; white rot.
- B. candicans* J. Erikss. CH, SC; PIPO, QUAR; white rot.
- B. medium* J. Erikss. HU, SC; PIPO; white rot.
- B. pruinatum* (Bres.) J. Erikss. SC; PIPO; white rot.
- B. subcoronatum* (Höhn. & Litsch.) Donk. CH, HU, PI, SC; ALOB, ARAR, PIEN1, PILE, PIPO, PIST, PSME, QUAR; white rot.
- B. vagum* (Berk. & M. A. Curtis) D. P. Rogers. CH, HU, PI, SC, SR; ABBI, ABCO, JUDE, PIEN1, PIPO, QUAR; white rot.
- Botryohypochnus isabellinus* (Fr.) J. Erikss. CH, HU, PI, SC; ABCO, PIPO, POTR, QUHY, QURU; white rot.
- Bourdotia galzinii* (Bres.) Trotter. PI; POTR; white rot.
- Byssoporia terrestre* (DC.: Fr.) M. J. Larsen & Zak. CH, PI; PIEN1; rot unknown.
- Caerulicium neomexicanum* (Gilb. & Budington) Jülich. CH; PIEN2; white rot.
- Calocera cornea* (Batsch: Fr.) Fr. CH, PI, SC; PIEN1, PIPO, PIST; brown rot.
- Candelabrochaete langloisii* (Pat.) Boidin. SC; PIPO; white rot.
- Ceraceomyces fouquieriae* (Nakasone & Gilb.) Nakasone, C. R. Bergman, & Burds. SR; FOSP, OPFU, PRVE; white rot.
- C. serpens* (Tode: Fr.) Ginns. CH, PI, SC; PIEN1, PIPO, PIST, PLWR, POTR; white rot.
- C. sublaevis* (Bres.) Jülich. CH; PIPO; white rot.
- C. tessulatus* (Cooke) Jülich. SC; PIPO; white rot.
- Ceratobasidium cornigerum* (Bourdot) D. P. Rogers. RI; FOSP; white rot.
- Ceriporia excelsa* (S. Lundell) Parmasto. CH, PI, SC, SR; ALOB, PLWR, POTR; white rot.
- C. purpurea* (Fr.) Donk. CH, HU, PI, SR; ARAR, FOSP, JUMA, PIPO, PLWR, QUEM, QURU; white rot.
- C. reticulata* (Pers.: Fr.) Domański. CH, PI, SC, SR; ALOB, JUMA, POTR; white rot.
- C. spissa* (Schwein.: Fr.) Rajchenb. CH, SR; PIEN2, PIPO, PLWR, PRVE; white rot.
- C. tarda* (Berk.) Ginns. CH, HU, SC, RI, SR; ABBI, ARPU, CHLI, JUDE, PRVE, QUAR, QUEM, QUHY, QURU, YUBA; white rot.
- C. viridans* (Berk. & Broome) Donk. CH, PI, SC, SR; ALOB, JUMA, PLWR, POTR; white rot.
- C. xylostromatoides* (Berk.) Ryvarden & I. Johans. CH, HU, SC, SR; BASA, FOSP, PLWR, POFR, PUME; white rot.
- Ceriporiopsis aneirina* (Sommerf.: Fr.) Domański. CH, PI, SC; POTR; white rot.
- **C. carnegiea* (D. V. Baxter) Gilb. & Ryvarden. RI, SC; CAGI; white rot.
- C. subvermispora* (Pilát) Gilb. & Ryvarden. CH, HU, SC; ABCO, CUAR, PIEN2, PILE, PIPO, PSME; white rot.

- Chaetodermella luna* (D. P. Rogers & H. S. Jacks.) Rauschert. PI; PIEN1; brown rot.
- Chaetoporellus latitans* (Bourdot & Galzin) Bondartzev & Singer. HU; PILE; white rot.
- Clavariadelphus sachalinensis* (Imai) Corner. PI; PIEN1; rot unknown.
- Clavicornia pyxidata* (Pers.: Fr.) Doty. CH, PI, SC; ABCO, PIEN1, PIPO, POTR; white rot.
- **Climacocystis borealis* (Fr.) Kotl. & Pouzar. CH, PI, SC; ABBI, ABCO, PIEN1, PSME; white rot.
- Climacodon pulcherrimum* (Berk. & M. A. Curtis) M. I. Nikol. CH; PILE; white rot.
- **Coniophora arida* (Fr.) P. Karst. CH, HU, PI, SC, SR; ARAR, CUAR, JAAM, PICE, PIEN1, PIPO, POTR, PSME, QUHY; brown rot.
- C. eremophila* Lindsey & Gilb. SC, SR; CAGI, OPFU; brown rot.
- **C. fusispora* (Cooke & Ellis) Sacc. SC; CUAR; brown rot.
- C. olivacea* (Fr.: Fr.) P. Karst. CH, SC; ABBI, ABCO, PILE, PIPO, POTR, PSME; brown rot.
- **C. puteana* (Schumacher: Fr.) P. Karst. CH, PI, SC; ABCO, ALOB, PIEN1, PIPO, POTR; brown rot.
- Conohypha terricola* (Burt) Jülich. SC; POTR; white rot.
- **Coprinus atramentarius* (Bull.: Fr.) Fr. PI; POTR; brown rot.
- C. micaceus* (Bull.: Fr.) Fr. SC; ABCO; rot unknown.
- C. papagoensis* Lindsey & Gilb. RI, SC, SR; CAGI, FOSP; rot unknown.
- Coriolopsis gallica* (Fr.) Ryvarden. CH, HU; PLWR, POFR, PRVE, SAGO; white rot.
- C. trogii* (Berk.) Domański. SR; QUEM, SAGO; white rot.
- Corticium canfieldii* (M. J. Larsen & Gilb.) Boidin & Lanquetin. PI; JUMA; white rot.
- C. griseo-effusum* (M. J. Larsen & Gilb.) Ginns & Lefebvre. CH; PSME; white rot.
- C. lombardiae* (M. J. Larsen & Gilb.) Boidin & Lanquetin. CH; POTR; white rot.
- C. mississippiense* (M. J. Larsen & Gilb.) M. J. Larsen. SC, SR; JUMA, QUEM; white rot.
- C. roseum* Pers.: Fr. CH, PI, SC; ALOB, POTR, QUHY; white rot.
- Crepidotus alabamensis* Murrill. HU; PLWR; white rot.
- C. coloradensis* Hesler & A. H. Sm. SC; POTR, PRSE; white rot.
- C. kauffmanii* Hesler & A. H. Sm. CH, SC; QUHY, QURU, PRSE; white rot.
- C. mollis* (Fr.) Staude var. *cystidiosus* Hesler & A. H. Sm. CH; POTR; white rot.
- C. mollis* (Fr.) Staude var. *mollis*. CH, PI, SC; ALOB, POTR, PREM, QUHY; white rot.
- C. occidentalis* Hesler & A. H. Sm. SC; POTR; white rot.
- C. pallidobrunneus* Hesler & A. H. Sm. SC; PSME; white rot.
- C. pubescens* Bres. SC; POTR; white rot.
- C. subsphaerosporus* (M. Lange) Kühner & Romagn. SR; QUHY; white rot.
- Cristinia helvetica* (Pers.) Parmasto. SC; POTR; white rot.
- C. sonora* Nakasone & Gilb. SR; FOSP; white rot.

- Crustoderma corneum* (Bourdot & Galzin) Nakasone. CH, SC; PIPO, QUHY; brown rot.
C. dryinum (Berk. & M. A. Curtis) Parmasto. CH, PI, SC; CUAR, PIEN1; PIPO, PSME; brown rot.
C. testatum (H. S. Jacks. & Dearden) Nakasone. SC; PIPO; brown rot.
- Cryptoporus volvatus* (Peck) Shear. CH, PI, SC; PIPO; white rot.
- Cryptotrampa asprata* (Berk.) Redhead & Ginns. CH, PI, SC; ABBI, ABCO, ALOB, CUAR, PIEN1, PILE, PIPO, PSME, QUHY; white rot.
- Cylindrobasidium corrugum* (Burt) Ginns. PI, SC; ABBI, ACGL, PIEN1; white rot.
C. laeve (Pers.: Fr.) Chamuris. HU, PI, SC; POTR, QUHY; white rot.
- Cyphellopsis anomala* (Pers.: Fr.) Donk. PI, SC; JUMA, POTR; white rot.
- Dacrymyces chrysospermus* Berk. & M. A. Curtis. CH, PI, SC; ABCO, PIEN1, PIEN2, PIPO, PIST, PSME; brown rot.
D. dictyosporus G. W. Martin. CH; HU, SC; PIEN2, PIPO. brown rot.
D. ellisii Coker. SC; QUHY; brown rot.
D. minor Peck. RI, SR; BASA, CEMI, CEMO, PRVE, QUEM; brown rot.
D. stillatus Nees: Fr. CH, PI, SC; CUAR, PIEN1, PIEN2, PSME; brown rot.
D. tortus (Willd.: Fr.) Fr. CH, SC; ABBI, PIPO; brown rot.
- Dacryobolus karstenii* (Bres.) Parmasto. CH, HU, SC; PIEN1, PILE, PIPO, PIST; brown rot.
D. sudans (Fr.) Fr. CH, SC; PIPO, PLWR, QUHY, QURU; brown rot.
- Dacryopinax spathularia* (Schwein.) G. W. Martin. CH, SR; MAPU, PLWR, QUAR, QUEM; brown rot.
- Daedaleopsis confragosa* (Bolton: Fr.) J. Schröt. CH, PI, SC; ABCO, ACGR, ALOB, PSME; white rot.
- Datronia scutellata* (Schwein.) Gilb. & Ryvarden. CH, SC, SR; QUAR, QUHY; white rot.
- Dendrocorticium roseocarneum* (Schwein.) M. J. Larsen & Gilb. CH, HU, SR; QUAR, QUEM, QUHY; white rot.
- Dendrophora albobadia* (Schwein.: Fr.) Chamuris. CH, HU, SC, SR; ACGL, ACNE, ALOB, BASA, DOVI, ERLA, FOSP, PLWR, PRVE, QUAR, QUEM, SICH; white rot.
D. versiformis (Berk. & M. A. Curtis) Chamuris. CH; MAPU; white rot.
- Dendrothele acerina* (Pers.: Fr.) P. A. Lemke. RI; MOSC; on bark.
D. dryina (Pers.) P. A. Lemke. CH; ARAR; on bark.
D. griseocana (Bres.) Bourdot & Galzin. HU, SR; ARAR, JUDE, QUAR; on bark.
D. incrustans (P. A. Lemke) P. A. Lemke. CH; JUDE; on bark.
D. mexicana (P. A. Lemke) P. A. Lemke. SC; JUDE; on bark.
D. microspora (H. S. Jacks.) P. A. Lemke. SC; RONE; on bark.

Dichomitus campestris (Quél.) Domański & Orlicz. CH; QUAR; white rot.

**D. squalens* (P. Karst.) D. A. Reid. CH, PI, SC, SR; PICE, PIEN1, PIEN2, PILE, PIPO, PIST; white rot.

Dichostereum pallescens (Schwein.) Boidin & Lanquetin. PI; ALOB; white rot.

Diplomitoporus crustulinus (Bres.) Domański. CH, PI; PIEN1; white rot.

D. lindbladii (Berk.) Gilb. & Ryvarden. CH, HU, PI, SC; PIEN1, PILE, PIPO; white rot.

D. overholtsii (Pilát) Gilb. & Ryvarden. CH; PLWR, QUAR; white rot.

**D. rimosus* (Murrill) Gilb. & Ryvarden. CH, HU, SC; CUAR, JUCO, JUDE; white rot.

Ditiola radicata Alb. & Schwein.: Fr. var. *radicata*. SC; QUHY; brown rot.

**Echinodontium tinctorium* (Ellis & Everh.) Ellis & Everh. CH, PI, SC; ABBI, ABCO, PIEN1; white rot.

Eichleriella schrenkii Burt. RI, SR; ACGR, CEPA, LATR, PRVE; white rot.

Entoloma byssisedum (Pers.: Fr.) Donk. PI, SR; POTR, PRSE; white rot.

Erythricium chaparralum Burds. & Gilb. SC; AGPA; white rot.

E. laetum (P. Karst.) J. Erikss. & Hjortstam. PI, SC; POTR, PSME; white rot.

Exidia glandulosa Bull.: Fr. SC; POTR, QUHY; white rot.

E. saccharina Alb. & Schwein.: Fr. SC; PSME; white rot.

Exidiopsis calcea (Pers.) Wells sensu N. Amer. Aucts. CH, PI, SC, SR; CEMO, ERLA, JUDE, PIEN1, PRVE, PSME; white rot.

E. fugacissima (Bourdot & Galzin) Sacc. & Trotter. CH; PIEN1; white rot.

E. glaira (Lloyd) Wells. HU; PILE; white rot.

E. molybdea (McGuire) Ervin. CH; QUGA; white rot.

Fibricium lapponicum J. Erikss. CH; ABCO; white rot.

F. rude (P. Karst.) Jülich. CH, PI, SC; ABCO, ALOB, JUMA, PIEN1, PIPO, POTR, PSME; white rot.

Fibulomyces mutabilis (Bres.) Jülich. SC; PIPO; white rot.

F. septentrionalis (J. Erikss.) Jülich. CH, PI; CUAR, PIEN1; white rot.

**Flammulina velutipes* (Curtis: Fr.) Singer. CH, PI, SC; POTR; white rot.

**Fomes fasciatus* (Sw.: Fr.) Cooke. CH; QUAR; white rot.

Fomitopsis cajanderi (P. Karst.) Kotl. & Pouzar. CH, PI, SC; ABCO, PIEN1, PIPO, POTR, PRSE, PSME; brown rot.

**F. officinalis* (Vill.: Fr.) Bondartzev & Singer. CH, PI; PIPO, PSME; brown rot.

F. palustris (Berk. & M. A. Curtis) Gilb. & Ryvarden. SC; PSME; brown rot.

**F. pinicola* (Sw.:Fr.) P. Karst. CH, HU, PI, SC; ABCO, PIEN1, PIPO, PIST, POTR, PSME; brown rot.

F. rosea (Alb. & Schwein.: Fr.) P. Karst. CH, PI, SC; ABCO, PIEN1, POTR, PSME; brown rot.

Galerina marginata (Batsch: Fr.) Kühner. SC; PIPO; white rot.

Galzinia occidentalis D. P. Rogers. HU; PILE; white rot.

**Ganoderma applanatum* (Pers.) Pat. CH, PI, SC; ABCO, POTR; white rot.

**G. lobatum* (Schwein.) G. F. Atk. CH, HU, SC; QUEM, QUHY, QURU; white rot.

**G. lucidum* (M. A. Curtis: Fr) P. Karst. CH, SR; QUGA, QUHY; white rot.

G. tsugae Murrill. CH, HU, PI, SC; ABCO, PSME; white rot.

Gloeocystidiellum convolvens (P. Karst.). PI; POTR; white rot.

G. karstenii (Bourdot & Galzin) Donk. PI, SC; POTR, PSME; white rot.

G. lactescens (Berk.) Boidin. SC; ALOB, POTR; white rot.

G. leucoxanthum (Bres.) Boidin. CH, SC; JAAM, QUHY; white rot.

G. luridum (Bres.) Boidin. PI, SC; PIEN1, QURU; white rot.

G. porosum (Berk. & M. A. Curtis) Donk. SC; POTR; white rot.

Gloeodontia discolor (Berk. & M. A. Curtis) Boidin. SR; SAGO; white rot.

Gloeophyllum carbonarium (Berk. & M. A. Curtis) Ryvarden. CH, HU, PI, SC; ABCO, PIEN1, PIPO, PIST, PSME; brown rot.

G. odoratum (Fr.) Imazeki. SC; PIPO; brown rot.

G. protractum (Fr.) Imazeki. CH; PIPO; brown rot.

G. sepiarium (Fr.) P. Karst. CH, PI, SC, SR; ABBI, ABCO, ALOB, CUAR, PIEN1, PILE, PIPO, POTR, PSME; brown rot.

G. striatum (Sw.: Fr.) Murrill. CH, HU, SC, SR; CUAR, JUDE; brown rot.

Gloeoporus dichrous (Fr.) Bres. CH, SC; PLWR, POTR, QUAR, QUEM, QURU; white rot.

Gloiodon strigosus (Sw.: Fr.) P. Karst. SC; ABBI; white rot.

Gymnopilus sapineus (Fr.: Fr.) Maire. CH, PI, SC; PIPO, PSME, QUHY; white rot.

G. spectabilis (Fr.) A. H. Sm. SC; ABCO; white rot.

Hapalopilus nidulans (Fr.) P. Karst. CH, HU, PI, SC, SR; MOMI, PIEN1, PIPO, PLWR, PRSE, QUAR, QUEM, QUGA, QUHY, VIAR; white rot.

H. salmonicolor (Berk. & M. A. Curtis) Pouzar. SC; PIPO; white rot.

Helicobasidium candidum G. W. Martin. CH, HU, SR; QUGA, QUHY; white rot.

H. corticioides Bandoni. PI; PIEN1; brown rot.

Helicogloea contorta G. Baker. SR; PLWR; white rot.

H. farinacea (Höhn.) D. P. Rogers. CH; SC; QUAR, QURU; white rot.

H. lagerheimii Pat. CH; QUHY; white rot.

Heliocybe sulcata (Berk.) Redhead & Ginns. CH, HU, PI, RI, SR; ARAR, CAGI, FRVE, JUDE, PLWR, POTR, PRVE; brown rot.

Henningsomyces candidus (Pers.: Fr.) Kuntze. HU, SC, SR; ABCO, FOSP, FRVE, POTR PRVE, PSME; white rot.

Hericium coralloides (Scop.: Fr.) Pers. CH, HU, SC; ACGL, QUHY; white rot.

**H. erinaceum* (Bull.: Fr.) Pers. CH, HU, SC, SR; ACGL, QUGA, QUHY; white rot.

**Heterobasidion annosum* (Fr.) Bref. CH, PI, SC; ABCO, PSME; white rot.

Heterotextus alpinus (Tracy & Earle) G. W. Martin. CH, PI, SC; ABBI, PIPO; brown rot.

Hohenbuehelia angustata (Berk.) Singer. SC; ABCO, PIST, PSME; white rot.

H. atrocaerulea (Fr.) Singer var. *grisea* (Peck) Thorn & G. L. Barron. CH; QUHY; white rot.

H. mastrucata (Fr.: Fr.) Singer. SR; SAGO; white rot.

H. nigra (Schwein.: Fr.) Singer. CH, SC; CUAR, QUHY; white rot.

H. petaloides (Bull.: Fr.) Schulzer. CH, PI, SC, SR; ABBI, ABCO, PSME, QUAR; white rot.

Hygrophoropsis aurantiacus (Wulfen: Fr.) Maire. CH, PI, SC; PIPO, PSME; brown rot.

Hymenochaete arida (P. Karst.) Sacc. HU, SR; CEFÉ, JUDE, QUGA, QUHY; white rot.

H. cinnamomea (Pers.: Fr.) Bres. HU, SC, SR; QUHY; white rot.

H. corrugata (Fr.) Lév. CH, PI, SC; ABBI, ACGL, QUEM; white rot.

H. leonina Berk. & M. A. Curtis. HU, SR; ACGL, QUHY; white rot.

H. rubiginosa (Dickson: Fr.) Lév. CH, HU, SC; CEFÉ, JUMA, PRVE, QUHY; white rot.

H. sprete Peck. HU; QUHY; white rot.

H. tenuis Peck. SC; PSME; white rot.

Hyphoderma albicans (Pers.) Nakasone. SC; POTR; white rot.

H. amoenum (Burt) Donk. CH, SC; PRSE, PRVE, QUAR, QUHY, QURU; white rot.

H. argillaceum (Bres.) Donk. CH, HU, SC; ABCO, ARAR, PIPO, POTR; white rot.

H. budingtonii Lindsey & Gilb. SC; POTR; white rot.

H. clavigerum (Bres.) Donk. HU, RI; CAGI, QUHY; white rot.

H. cremeoalbum (Höhn. & Litsch.) Jülich. SC; PSME; white rot.

H. definitum (H. S. Jacks.) Donk. CH, SC; PIEN2, PIPO. white rot.

H. deserticola Gilb. & Lindsey. SR; JUDE; white rot.

H. guttuliferum (P. Karst.) Donk. PI, SR; ALOB, PLWR, POTR, QUAR, QUHY; white rot.

H. litschaueri (Burt) J. Erikss. CH, SR; PRSE, QUHY, QURU; white rot.

H. medioburiense (Burt) Donk. PI, SC; ABBI, POTR; white rot.

H. obtusifforme J. Erikss. & Strid. PI; PIEN1; brown rot.

H. obtusum J. Erikss. CH, SC; PIPO, QUHY; brown rot.

H. pallidum (Bres.) Donk. CH, SC; ABCO, CUAR, JUDE, PIEN1, PIEN2, PILE, PIPO, PSME; white rot.

H. pilosum (Burt) Gilb. & Budington. CH, PI, RI, SC; ALOB, ARAR, PIPO, PIST, POTR, PRSE, PRVE, QUEM; white rot.

H. populneum (Peck) Donk. CH, SC; ACGL, POTR; white rot.

H. praetermissum (P. Karst.) J. Erikss. & Strid. CH, HU, PI, SC, SR; ABCO, ALOB, ARAR, CUAR, JUMA, PIEN1, PIPO, PIST, PLWR, POTR, PSME, QUAR, QUHY; white rot.

H. puberum (Fr.) Wallr. PI; ALOB; white rot.

H. roseocreameum (Bres.) Donk. CH, PI; PIEN1, QURU; white rot.

- H. sambuci* (Pers.) Jülich. CH, HU, PI, SC, SR; ALOB, FOSP, POTR, QUEM, QUHY, RONE; white rot.
H. setigerum (Fr.) Donk. CH, HU, SC, SR; ALOB, PIPO, PLWR, QUAR, QUEM, QUHY; white rot.
H. sibiricum (Parmasto) J. Erikss. & Strid. HU, SC, SR; OPVE, PIPO, QUHY, QURU; white rot.
H. subdefinitum J. Erikss. & Strid. SR; PRVE; white rot.

Hyphodermella corrugata (Fr.) J. Erikss. & Ryvarden. CH, HU, PI, SC; ACGL, CAGI, PLWR, POTR, PRVE, PUME, QUAR; white rot.

- Hyphodontia abieticola* (Bourdot & Galzin) J. Erikss. CH, SC; PIPO, PSME; white rot.
H. altiaca Parmasto. SC; PSME; white rot.
H. alutacea (Fr.) J. Erikss. CH, PI, SC; PIEN1, PIPO; white rot.
H. alutaria (Burt) J. Erikss. CH, SC; PIPO; white rot.
H. arguta (Fr.) J. Erikss. CH, HU, PI, SC, SR; ABBI, ABCO, ALOB, ARAR, CUAR, JUDE, JUMA, POTR, PSME; white rot.
H. breviseta (P. Karst.) J. Erikss. CH, PI, RI, SC; MOSC, PIPO, POTR; white rot.
H. cineracea (Bourdot & Galzin) J. Erikss. & Hjortstam. SC; PIPO, PSME; white rot.
H. crustosa (Pers.: Fr.) J. Erikss. CH, SC; POTR, QUHY; white rot.
H. floccosa (Bourdot & Galzin) J. Erikss. CH, HU, SR; JUDE, PIPO, PUME; white rot.
H. granulosa (Pers.: Fr.) Ginns & Lefebvre. CH, PI, SC; CUAR, JUMA, PIEN1, PIPO, POTR, RONE; white rot.
H. hastata (Litsch.) J. Erikss. SC; CUAR, PIPO; white rot.
H. nespori (Bres.) J. Erikss. & Hjortstam. SR; QUHY; white rot.
H. pallidula (Bres.) J. Erikss. CH, HU, PI, SC; ABBI, ABCO, ALOB, PIEN1, PILE, PIPO, PIST, POTR, PSME; white rot.
H. papillosa (Fr.) J. Erikss. CH, SC; ACGR, PIEN1, PIPO, PIST, POTR; white rot.
H. pilaecystidiata (S. Lundell) J. Erikss. SC; POTR; white rot.
H. pruni (Lasch) J. Erikss. & Hjortstam. HU, PI, SC; ALOB, PLWR, POTR, PSME; white rot.
H. quercina (Pers.: Fr.) J. Erikss. HU; PRVE; white rot.
H. rimosissima (Peck) Gilb. SC; ALOB, JAAM; white rot.
H. spathulata (Schröd.: Fr.) Parmasto. CH, HU, PI, SC, SR; ALOB, JUDE, JUMA, MAPU, PLWR, QUEM, QUHY; white rot.
H. subalutacea (P. Karst.) J. Erikss. CH, PI, SC; PIPO; white rot.

- Hypholoma capnoides* (Fr.: Fr.) P. Kumm. SC; ABCO, ALOB, PSME; white rot.
H. fasciculare (Huds.: Fr.) P. Kumm. CH, SC; ARAR, PIPO, PLWR, POTR, PSME, QUAR, QUEM, QUHY; white rot.

Hypochniciellum subillaqueatum (Litsch.) Hjortstam. CH; QUHY; white rot.

- Hypochnicium analogum* (Bourdot & Galzin) J. Erikss. SR; QUEM; white rot.
H. bombycinum (Sommerf.: Fr.) J. Erikss. CH, HU, PI, SC, SR; ACGR, ALOB, CEBE, PIEN1, PIEN2, PIPO, PLWR, POTR, RONE, QUAR, QUEM, QUGA, QURU, VACA; white rot.
H. eichleri (Bres.) J. Erikss. & Ryvarden. SC; PIPO; white rot.
H. geogenium (Bres.) J. Erikss. CH, SC; PIPO; white rot.

H. lundellii (Bourdot) J. Erikss. CH, PI, SC; ABBI, FRVE, JUMA, PIEN1, PIPO, PSME; white rot.

H. prosopidis Burds. SR; PRVE; white rot.

H. punctulatum (Cooke) J. Erikss. CH, SC; ACGR, ALOB, PIPO, SICH; white rot.

H. sphaerosporum (Höhn. & Litsch.) J. Erikss. CH, PI, SC, SR; ABCO, ACNE, ALOB, PIPO, PIST, PLWR; white rot.

Hypochnopsis mustialaensis (P. Karst.) P. Karst. SC; ABCO, PSME; white rot.

**Hypsizygus tessellatus* (Bull.: Fr.) Singer. SC; ABCO, POTR; rot uncertain.

**Inonotus andersonii* (Ellis & Everh.) Černý. CH, HU, PI, SC, SR; QUEM, QUGA, QUHY, QUOB, QURU; white rot.

**I. arizonicus* Gilb. CH, HU, SC, SR; PLWR; white rot.

I. cuticularis (Bull.: Fr.) P. Karst. SR; QUHY; white rot.

**I. dryadeus* (Pers.: Fr.) Murrill. CH; POFR, QUGA; white rot.

**I. dryophilus* (Berk.) Murrill. CH, HU, PI, SC, SR; QUEM, QUGA, QUHY, QUOB; white rot.

**I. hispidus* (Bull.: Fr.) P. Karst. CH, HU, SC, SR; ACNE, JUMA, QUAR, QUHY, QUOB; white rot.

I. jamaicensis Murrill. CH, SR; QUAR; white rot.

**I. munzii* (Lloyd) Gilb. CH, SC, SR; PLWR, POFR, SAGO; white rot.

**I. patouillardii* (Rick) Imazeki. RI, SC; QUEM, QUOB; white rot.

**I. texanus* Murrill. RI, SC, SR; ACGR, PRVE; white rot.

**I. tomentosus* (Fr.) Teng. CH, PI, SC; PIEN1, PIPO, PIST, PSME; white rot.

**I. triqueter* (Fr.) P. Karst. CH, SC; PILE, PIPO; white rot.

Jaapia ochroleuca (Bres.) Nannf. & J. Erikss. SC; PSME; white rot.

Jahnoporus hirtus (Quéél. ex Cooke) Nuss. CH, PI, SC, SR; ABCO, PIST, PSME; probably a white rot.

Junghuhnia collabens (Fr.) Ryvarde. CH, SC; PIPO; white rot.

J. luteoalba (P. Karst.) Ryvarde. CH, PI, SC; PIPO; white rot.

J. nitida (Pers.: Fr.) Ryvarde. CH; POTR; white rot.

J. separabilima (Pouzar) Ryvarde. SC; POTR; white rot.

Kavinia albobiridis (Morgan) Gilb. & Budington. CH, SC; POTR, PSME; white rot.

K. himantia (Schwein.) J. Erikss. CH, SC; ABCO, ARAR, PIPO, QUAR; white rot.

Lachnella albobiridis (Alb. & Schwein.: Fr.) Fr. HU; ARPU, FOSP, GAFL, JUCO, PLWR; white rot.

Laeticorticium simplicibasidium Lindsey & Gilb. SC; POTR; white rot.

**Laetiporus sulphureus* (Bull.: Fr.) Murrill. CH, PI, SR; FRVE, PRSE, QUAR; brown rot.

Laetisaria agavei Burds. & Gilb. CH, HU, PI, SC; AGPA; on leaves and flower stalks.

Lentinellus cochleatus (Fr.: Fr.) P. Karst. CH, PI, SC, SR; ACNE, ALOB, COST, POTR, PSME, QUHY; white rot.

L. micheneri (Berk. & M. A. Curtis) Pegler. PI, SC; ABCO, POTR; white rot.

L. ursinus (Fr.: Fr.) Kühner. CH, HU, PI, SC, SR; ABCO, FRVE, PIPO, PLWR, POTR, PSME, QUHY, SAGO; white rot.

Lentinus strigosus (Schwein.: Fr.) Fr. CH, SR; JUMA, SAGO; white rot.

L. tigrinus Bull.: Fr. RI, SR; SAGO; white rot.

Lenzites betulina (Fr.) Fr. CH; QUAR; white rot.

Leptoporus mollis (Pers.: Fr.) Pilát. CH, PI, SC; PIEN1, PIPO; brown rot.

Leptosporomyces fuscostratus (Burt) Hjortstam. PI, SC; ABBI, ABCO, ACGL, PIEN1, PIPO, POTR, PSME; white rot.

L. galzinii (Bourd.) Jülich. CH, PI, SC; ABCO, ALOB, DAWH, JUDE, PIPO, PSME, QUHY; white rot.

Leucogyrophana arizonica Ginns. CH, HU, SC; ABCO, ALOB, CUAR, PIEN2, PIPO, PIST, PSME; brown rot.

L. mollusca (Fr.) Pouzar. SC, SR; QUHY; brown rot.

L. olivascens (Berk. & M. A. Curtis) Ginns & Weresub. CH, SC, SR; CUAR, JUDE, PIPO, PLWR; brown rot.

L. pinastri (Fr.) Ginns & Weresub. CH, PI, SC; ABCO, PIEN1, PIPO; brown rot.

Lindtneria leucobryophila (Henn.) Jülich. HU; ACGL; white rot.

**Megacollybia platyphylla* (Fr.: Fr.) Kotl. & Pouzar. CH, PI, SC; ABBI, ABCO, PIPO, POTR, PSME; white rot.

Meruliopsis albostramineus (Torrend) Jülich & Stalpers. CH, PI, SC; ABBI, ABCO, PIPO, POTR, PSME; white rot.

M. ambiguus (Berk.) Ginns. CH, PI; PIEN1, PIEN2, PIPO; white rot.

M. corium (Pers.: Fr.) Ginns. CH, PI, SC, SR; PIPO, POTR, PRVE, PSME, QUAR, QUGA, QUHY, QURU, SICH; white rot.

M. hirtellus (Burt) Ginns. CH, PI, SC; ABBI, PIEN1, PIPO, POTR, PSME, QUHY; white rot.

M. sulphureus (Burt) Ginns & Lefebvre. SC, SR; PRVE; white rot.

M. taxicola (Pers.: Fr.) Bondartsev. PI; PIEN1; white rot.

Mucronella aggregata Fr. CH, PI, SC; ABCO, PIEN1, PIPO, PSME; white rot.

Mycoacia austro-occidentale Canf. SR; FOSP; white rot.

Myxarium atratum (Peck) Ginns & Lefebvre. CH; QUHY; white rot.

**Neolentinus lepideus* (Fr.: Fr.) Redhead & Ginns. CH, PI, SC; PIPO, PIST, PSME; brown rot.

N. ponderosus (O. K. Mill.) Redhead & Ginns. CH, PI, SC; PIPO; brown rot.

Odonticium laxum (L. W. Mill.) Ryvarden. CH; QUEM; white rot.

**Oligoporus balsameus* (Peck) Gilb. & Ryvarden. CH, PI, SC, SR; ABBI, ABCO, CUAR, FRVE, JUDE, PIPO, PSME; brown rot.

O. caesius (Schröd.: Fr.) Gilb. & Ryvarden. CH, PI; PIEN1, POTR; brown rot.

O. floriformis (Qué.) Gilb. & Ryvarden. SR; SAGO; brown rot.

O. fragilis (Fr.) Gilb. & Ryvarden. CH, PI; ABBI, PIEN1, PIPO; brown rot.

O. hibernicus (Berk. & Broome) Gilb. & Ryvarden. CH; ABCO; brown rot.

O. leucomallellus (Murrill) Gilb. & Ryvarden. CH; PIPO; brown rot.

O. obductus (Berk.) Gilb. & Ryvarden. CH, PI, SC; PSME; brown rot.

O. perdelicatus (Murrill) Gilb. & Ryvarden. PI, SC; ABCO, PIEN1; brown rot.

O. placentus (Fr.) Gilb. & Ryvarden. SC; ABCO, PIPO, PSME; brown rot.

O. rancidus (Bres.) Gilb. & Ryvarden. CH, SR; FRVE, JUMA; brown rot.

O. stipticus (Pers.: Fr.) Gilb. & Ryvarden. CH, PI; ALOB, PLWR; brown rot.

O. tephroleucus (Fr.) Gilb. & Ryvarden. CH, PI, SC; ALOB, PIPO, PSME; brown rot.

O. undosus (Peck) Gilb. & Ryvarden. CH, SC; PIEN1, PIPO; brown rot.

Omphalotus olearius (DC.: Fr.) Singer. CH, SC, SR; QUHY, QUOB; white rot.

Oxyporus corticola (Fr.) Ryvarden. CH, PI, SC; ABCO, PLWR, POFR, PRVE, PSME; white rot.

O. latemarginatus (E. J. Durand & Mont.) Donk. SR; POFR; white rot.

**O. populinus* (Schum.: Fr.) Donk. PI; ACGR; white rot.

O. similis (Bres.) Ryvarden. PI; ALOB; white rot.

**Pachykytospora tuberculosa* (Fr.) Kotl. & Pouzar. CH, SR; QUAR, QUHY, QURU; white rot.

Parmastomyces transmutans (Overh.) Ryvarden & Gilb. CH, HU, PI, SC; ABCO, PIPO, POTR; brown rot.

Paullicorticium pearsonii (Bourd.) J. Erikss. SR; FRVE; white rot.

Peniophora cinerea (Pers.: Fr.) Cooke. SR; QUEM; white rot.

P. gilbertsonii Boidin. RI, SC, SR; BASA, CEMI, COWA, DOVI, FOSP, MOSC, PRVE; white rot.

P. nuda (Fr.) Bres. CH, HU, PI, SC, SR; CEBE, QUAR, QUEM, QUHY, QURU; white rot.

P. perexigua H. S. Jacks. PI; PSME; white rot.

P. pithya (Pers.) J. Erikss. CH, PI; ABBI, ABCO, PIEN1; white rot.

**P. polygonia* (Pers.: Fr.) Bourdot & Galzin. CH, HU, SC; POTR; white rot.

**P. pseudopini* Weresub & S. Gibson. PI; PIPO; white rot.

P. quercina (Pers.: Fr.) Cooke. RI; MOSC; white rot.

P. rufa (Fr.) Boidin. CH, PI, SC; POTR; white rot.

P. violaceolivida (Sommerf.) Massee. CH, PI, SC; POTR, QURU; white rot.

Perenniporia amyloextrinoidea Gilb. & Ryvarden. PI; ALOB; white rot.

P. ellipsospora Ryvarden & Gilb. PI, SC; ABCO, ALOB; white rot.

**P. fraxinophila* (Peck) Ryvarden. CH, HU, PI, SR; FRVE, GAWR, JUCO, JUDE; white rot.

- P. medulla-panis* (Jacq.: Fr.) Donk. CH, HU, PI, RI, SC, SR; ACGR, ARAR, CEBR, CEMO, CHLI, CUAR, GAWR, JUMA, PRSE, PRVE, QUAR, QUGA, QUEM, QUHY, QURU, RONE; white rot.
- P. ohiensis* (Berk.) Ryvarden. CH, HU, SC, SR; ARAR, CEMO, QUAR, QUHY, QUOB, QURU; white rot.
- **P. subacida* (Peck) Donk. CH, SC; PIPO, PSME; white rot.
- P. tenuis* (Schwein.) Ryvarden var. *pulchella* (Schwein.) Lowe. CH, PI, SC, SR; ARAR, CUAR, FRVE, MAPU, PLWR, POTR, QUEM, QUHY; white rot.
- P. tenuis* (Schwein.) Ryvarden var. *tenuis*. CH, SR; ALOB, MAPU, PIPO, PLWR, POTR, QUAR, QUEM, QURU; white rot.
- **Phaeolus schweinitzii* (Fr.) Pat. CH, PI, SC; ABCO, PIEN1, PIPO, PIST, PSME; brown rot.
- Phanerochaete affinis* (Burt) Parmasto. HU, SC, SR; CEBE, PIPO, PLWR, QUAR, QUHY; white rot.
- P. allantospora* Burds. & Gilb. SR; FOSP; white rot.
- P. arizonica* Burds. & Gilb. HU, RI, SC, SR; BASA, CEMI, FOSP, JUDE, MIAC, MOSC, QUEM; white rot.
- P. avellanea* (Bres.) J. Erikss. & Hjortstam. CH; QURU; white rot.
- P. burtii* (Romell) Parmasto. CH, HU, SR; CEBE, PLWR, QUAR, QUEM; white rot.
- P. cacaina* (Bourdot & Galzin) Burds. & Gilb. SC; PIPO; white rot.
- P. carnosae* (Burt) Parmasto. CH, PI, SC, SR; ABCO, ACGL, ALOB, PIEN1, PIPO, POTR, PSME, QUGA, QUHY. white rot.
- P. fuscomarginata* (Burt) Gilb. CH, SR; PLWR, QUHY; white rot.
- P. jose-ferreirae* (D. A. Reid) D. A. Reid. CH, HU; ABCO, PIST; white rot.
- P. omnivora* (Shear) Burds. & Nakasone. SR; FOSP; white rot.
- P. sanguinea* (Fr.) Pouzar. CH, HU, PI, SC, SR; ARPU, PIPO, QUAR, QUEM; white rot.
- P. radicata* (Henn.) Nakasone, C.R. Bergman, & Burds. CH, SC, SR; ABCO, PRVE, QUAR, QUGA; white rot.
- P. sordida* (P. Karst.) J. Erikss. & Ryvarden. CH, HU, PI, RI, SC, SR; ALOB, FOSP, MOSC, PIEN1, PIPO, PLWR, POTR, QUAR, QUEM; white rot.
- P. tuberculata* (P. Karst.) Parmasto. RI, SC, SR; BASA, CAGI, FOSP, MOSC, PRVE, QUOB; white rot.
- P. velutina* (DC.: Fr.) P. Karst. CH, HU, PI, SC, SR; ACGL, ALOB, ARPU, PICE, PIEN2, PIPO, POTR, PSME, QUAR, QUEM, QUHY, QURU; white rot.
- P. xerophila* Burds. SR; FOSP; white rot.
- **Phellinus arctostaphylli* (Long) Niemelä. CH, HU, PI, RI, SC; ARPU, CEBE; white rot.
- **P. badius* (Berk. ex Cooke) G. Cunn. SC, SR; ACGR, CEPA, PRVE, VACA; white rot.
- **P. chrysoloma* (Fr.) Donk. CH, PI; PIEN1; white rot.
- P. contiguus* (Fr.) Pat. HU; QUHY; white rot.
- **P. everhartii* (Ellis & Galloway) A. Ames. CH, PI, SC, SR; QUAR, QUEM, QUGA, QURU; white rot.
- P. ferrugineofuscus* (P. Karst.) Bourdot. CH, PI; PIEN1; white rot.
- P. ferruginosus* (Schröd.: Fr.) Bourdot & Galzin. CH, HU, RI, SC, SR; OPVE, PRVE, QUEM, QUOB; white rot.
- **P. gilvus* (Schwein.) Pat. CH, HU, SC, SR; FRVE, JUMA, PLWR, PRSE, PRVE, QUAR, QUEM, QUHY, SAGO; white rot.
- **P. nigrolimitatus* (Romell) Bourdot & Galzin. CH, PI; ABBI, PIEN1; white rot.

- **P. pini* (Thore.: Fr.) A. Ames. CH, PI, SC; PIEN1, PIPO, PIST, PSME; white rot.
 **P. robineae* (Murrill) A. Ames. CH, PI, SC; RONE; white rot.
 **P. robustus* (P. Karst.) Bourdot & Galzin. CH, SR; PRSE, QUAR; white rot.
 **P. sonora* Gilb. SC; DOVI; white rot.
 **P. texanus* (Murrill) A. Ames. CH, HU, RI, SC, SR; CAGI, CEBE, CEBR, CEMI, CEMO, CEPA, FOSP, JUDE, LATR, OPSP, OPVE, PRSE, PUME, VACA; white rot.
 **P. torulosus* (Pers.) Bourdot & Galzin. PI, SC; PIPO, PIST, PSME; white rot.
 **P. tremulae* (Bondartsev) Bondartsev & Borissov. CH, HU, PI, SC, SR; POTR; white rot.
P. viticola (Schwein.: Fr.) Donk. CH, HU; PRSE, QUEM, QUHY; white rot.
 **P. weirianus* (Bres.) Gilb. CH, HU, SC, SR; JUMA; white rot.

- Phlebia acerina* Peck. CH, HU, SC, SR; ALOB, QUAR, QUHY; white rot.
P. albida J. Post ex Fr. SC; PRVE; white rot.
P. albomellea (Bondartsev) Nakasone. CH, SC; PIPO, PSME; white rot.
P. centrifuga P. Karst. CH, PI, SC; ABBI, ABCO, CUAR, PIEN1, PILE, PIPO, QUHY; white rot.
P. deflectens (P. Karst.) Ryvarden. CH, SC; QUGA, QUHY; white rot.
P. firma J. Erikss. & Hjortstam. SC; ABCO; white rot.
P. lilascens (Bourdot) J. Erikss. & Hjortstam. HU, SC; QUHY; white rot.
P. livida (Pers.: Fr.) Bres. CH, HU, PI, SC; ABCO, PIEN1, PILE, PIPO; white rot.
P. ludoviciana (Burt) Nakasone & Burds. CH, PI, SR; PIEN1, PLWR, QUHY; white rot.
P. radiata Fr. CH, PI, SC; ALOB, PLWR, QUGA, QUHY; white rot.
P. subochracea (Bres.) J. Erikss. & Ryvarden. SR; QUAR; white rot.
P. subserialis (Bourdot & Galzin) Donk. CH, HU, SC; ABCO, ALOB, JUDE, PIEN1, PILE, PIPO, PSME; white rot.
P. uda (Fr.) Nakasone. CH, PI; ABCO, QUAR; white rot.

- Phlebiella pseudotsugae* (Burt) K. H. Larss. & Hjortstam. SC; PSME; white rot.
P. sulphurea (Pers: Fr.) Ginns & Lefebvre. CH, HU, PI, SC; ALOB, PIEN2, PILE, PIPO, PIST, POTR, PSME; white rot.

- Phlebiopsis gigantea* (Fr.: Fr.) Jülich. CH, SC; PILE, PIPO; white rot.

- **Pholiota adiposa* (Fr.: Fr.) P. Kumm. SC; PSME; white rot.
 **P. albocrenulata* (Peck) Sacc. SC; ABBI, ABCO, POTR; white rot.
P. alnicola (Fr.: Fr.) Singer. SC; ABCO; white rot.
 **P. aurivella* (Fr.) P. Kumm. SC; ABCO, PSME; white rot.
P. bakerensis A. H. Sm. & Hesler. CH, PI, SC; PIEN1, PIPO, PSME; white rot.
P. decorata (Murrill) A. H. Sm. CH, PI, SC; PIEN1, PIPO, POTR, PSME; white rot.
 **P. flavida* (Fr.) Singer var. *flavida*. SC; PSME; white rot.
P. highlandensis (Peck) A. H. Sm. & Hesler. HU; ABCO; white rot.
P. limonella (Peck) Sacc. CH, PI, SC; ABCO, PSME; white rot.
P. spumosa (Fr.: Fr.) Singer. CH; PSME; white rot.
 **P. squarrosa* (Fr.: Fr.) P. Kumm. CH, PI, SC; POTR; white rot.
P. squarosoides (Peck) Sacc. PI, SC; ABCO; white rot.

- Phyllotopsis nidulans* (Pers.: Fr.) Singer. PI; PIEN1; white rot.

**Physisporinus rivulosus* (Berk. & M. A. Curtis) Ryvarden. CH; PIST, PLWR; white rot.
P. sanguinolentus (Alb. & Schwein.: Fr.) Pilát. SC; ABCO; white rot.

Piloderma byssinum (P. Karst.) Jülich var. *byssinum*. CH, PI, SC, SR; JUDE, PIEN1, PIPO, POTR, PSME; white rot.

P. fallax (Lib.) Stalpers. SC; PIPO; white rot.

P. reticulatum Jülich. PI, SC; ABCO, PIEN1; white rot.

Pleurotus ostreatus (Jacq.: Fr.) P. Kumm. CH, PI, SC; ABBI, ABCO, POFR, PSME, QUHY, SAGO; white rot.

P. pulmonarius Fr. PI; ABBI; white rot.

Pluteus cervinus (Schaeff.) P. Kumm. CH, SC; ABBI, ABCO, PIEN1. PIPO, POTR, PSME; white rot.

P. longistriatus Peck. CH; PLWR; white rot.

Polyporus alveolaris (DC.: Fr.) Bondartsev & Singer. CH, SC, SR; QUAR, QUHY; white rot.

P. arcularius Batsch: Fr. CH, HU, RI, SC, SR; ACGR, ALOB, BASA, FOSP, JUDE, PLWR, PUME, QUEM, QUGA; white rot.

P. badius (Pers.: Gray) Schwein. CH, SC; ABBI, PIPO, PSME; white rot.

**P. coronadensis* Gilb. & K. J. Martin. CH, SC; QUHY; white rot.

P. elegans Bull.: Fr. CH, PI, SC; ABCO, PIEN1, POTR; white rot.

P. melanopus Fr. SC; ABBI, PSME; white rot.

**P. squamosus* Huds.: Fr. PI; POTR; white rot.

P. tuberaster Jacq.: Fr. SC; PSME; white rot.

P. varius Fr. CH, PI, SC; ABCO, POTR, PSME; white rot.

Porostereum crassum (Lév.) Hjortstam & Ryvarden. HU, RI, SR; AGPA, DAWH, FOSP, OPVE, PRVE, QUEM; white rot.

Psathyrella candolleana (Fr.) Maire. SC, SR; PRVE, QUHY; rot unknown.

P. spadicea (Schaeff.: Fr.) Singer. SC; ABCO, PIPO, PIST, POTR, PSME; brown rot.

Pseudohydnum gelatinosum (Scop.: Fr.) P. Karst. CH, PI, SC; ABCO, PSME; white rot.

Pseudomerulius aureus (Fr.) Jülich. CH, PI, SC; PIEN1, PIPO; brown rot.

Pseudotomentella atrocyanea (Wakef.) Burds. & M. J. Larsen. SC; ALOB; rot unknown.

P. mucidula (P. Karst.) Svrček. CH; PIPO; rot unknown.

P. tristis (P. Karst.) M. J. Larsen. CH; PIPO; rot unknown.

Pycnoporellus alboluteus (Ellis & Everh.) Kotl. & Pouzar. CH, PI, SC; ABCO, CUAR, PIEN1, PIPO, POTR, PSME; brown rot.

Pycnoporus cinnabarinus (Jacq.: Fr.) P. Karst. CH; PILE, POFR; white rot.

P. sanguineus (L.: Fr.) Murrill. HU, SR; JUMA, SAGO; white rot.

**Pyrofomes demidoffii* (Lév.) Kotl. & Pouzar. CH; JUCO; white rot.

Radulomyces confluens (Fr.: Fr.) M. P. Christ. CH, SC; ALOB, FOSP, POTR, RONE; white rot.

Ramaricium polyporoideum (Berk. & M. A. Curtis) Ginns. SC; ABCO; white rot.

**Resinicium bicolor* (Alb. & Schwein.: Fr.) Parmasto. CH, PI, SC; PIEN1, PIPO, PSME; white rot.

R. chiricahuaense Gilb. & Budington. CH, PI, SC; PIEN1, PIPO, PIST, PSME; white rot.

R. furfuraceum (Bres.) Parmasto. CH, SC; PIPO, PSME. white rot.

Resupinatus applicatus (Batsch: Fr. sensu Kauffmann) Gray. CH, HU, SC; ISTE, PIPO, PLWR, QUEM, QUHY, QURU; white rot.

Rigidoporus crocatus (Pat.) Ryvarden. PI, SC; ABCO, PIEN1, PSME; white rot.

**R. ulmarius* (Sowerby: Fr.) Imazeki. SR; POFR; white rot.

R. undatus (Pers.: Fr.) Donk. SC; ABCO; white rot.

Schizophyllum commune Fr. CH, SR. FRVE, SAGO; white rot.

Schizopora apacheriensis Gilb. & Canf. CH, HU, RI, SC, SR; AGPA, BASA, CHLI, ERLA, ISTE, JUDE, JUMA, MOSC, PRVE, PUME, QUEM; white rot.

S. flavipora (Cooke) Ryvarden. CH, HU; PRVE, QUEM; white rot.

Scopuloides rimosa (Cooke) Jülich. PI; ALOB, POTR; white rot.

Scytinostroma arachnoideum (Peck) Gilb. PI, SC; PIEN1, PIPO; white rot.

**S. galactinum* (Fr.) Donk. CH, SC; PIPO; white rot.

S. ochroleucum (Bres. & Torrend) Donk. CH, SC; PIPO, PSME; white rot.

S. portentosum (Berk. & M. A. Curtis) Donk. CH, HU, RI, SC, SR; CRBI, MOSC, QUAR, QUEM, QUGA, QUHY, QUOB, SASA; white rot.

Sebacina epigaea (Berk. & Broome) Neuhoff var. *epigaea*. PI, SC, SR; POTR, QUHY; white rot.

S. sublilacina G. W. Martin. PI, SC; PIPO, POTR; white rot.

Serpula himantioides (Fr.: Fr.) P. Karst. CH, PI, SC; ABCO. PIEN1, PIPO, PIST; brown rot.

Sistotrema brinkmannii (Bres.) J. Erikss. CH, HU, SC, SR; ABBI, ABCO, PIPO, POTR; white rot.

S. coroniferum (Höhn. & Litsch.) Donk. CH, SC; POTR, QUEM; white rot.

S. hirschii (Donk) Donk. SR; SAGO; white rot.

S. muscicola (Pers.) S. Lundell. SC; POTR; white rot.

S. raduloides (P. Karst.) Donk. CH, PI; POTR; white rot.

S. subtrigonospermum D. P. Rogers. CH, SC; ABCO, PIPO, POTR; white rot.

Sistotremastrum niveocreameum (Höhn. & Litsch.) J. Erikss. HU; QUHY; white rot.

S. sueticum J. Erikss. SR; QUAR; white rot.

Skeletocutis amorphia (Fr.) Kotl. & Pouzar. CH, HU; PILE, PIPO; white rot.

S. lenis (P. Karst.) Niemelä. CH, PI, SC; ABCO, PIPO, PSME; white rot.

S. nivea (Jungh.) Jean Keller. CH, SR; QUEM; white rot.

S. stellae (Pilát) Jean Keller. SC; ABCO, PIPO; white rot.

S. subincarnata (Peck) Jean Keller. CH, PI, SC, SR; ABCO, PIEN1, PIPO, PRVE, PSME; white rot.

**Sparassis crispa* Wulfen: Fr. CH, PI, SC; ABCO, PIPO, PIST, PSME; brown rot.

Sphaerobasidium minutum (J. Erikss.) Jülich. CH, PI, SC; ALOB, PIEN1, PIPO, PSME; white rot.

**Spongipellis unicolor* (Schwein.) Murrill. CH, HU, SC, SR; QUAR, QUEM, QUHY, QURU; white rot.

Steccherinum ciliolatum (Berk. & M. A. Curtis) Gilb. & Budington. CH, PI, SC, SR; PIEN1, POTR, PSME, QUHY; white rot.

S. fimbriatum (Fr.) J. Erikss. CH, HU, PI, SC; JAAM, PIPO, POTR, PSME, RONE; white rot.

S. laeticolor (Berk. & M. A. Curtis). CH, HU, SR; PRSE, QUAR, QUEM, QUHY, QURU, RONE; white rot.

S. ochraceum (Pers.: Fr.) Gray. SC, SR; ALOB, JUMA, QUHY; white rot.

S. oreophilum Lindsey & Gilb. CH, PI, SC; HODI, POTR; white rot.

Stereum hirsutum (Willd.: Fr.) Gray. CH, HU, PI, SC, SR; ACGR, ARAR, QUAR, QUEM, QUGA, QUHY; white rot.

S. ochraceoflavum (Schwein.) Peck. HU; QUHY; white rot.

**S. sanguinolentum* (Alb. & Schwein.: Fr.) Fr. CH, PI, SC; ABBI, ABCO, PIEN1, PIPO, PSME; white rot.

Stigmatolemma poriaeforme (Pers.: Fr.) W. B. Cooke. CH, HU, PI, SC, SR; JUMA, PLWR, POTR, QUEM, QUHY, QURU; white rot.

Stromatoscypha fimbriata (Pers.: Fr.) Donk. CH, SC, SR; ABCO, JUDE, POTR, QUHY; white rot.

Subulicystidium longisporum (Pat.) Parmasto. SC; ALOB, POTR; white rot.

Tapinella panuoides (Batsch: Fr.) J.-E. Gilbert. CH, HU, SC; ABCO, PILE, PIPO; brown rot.

Thelephora caryophyllea Fr. HU, SC; PIPO; rot unknown.

T. cuticularis Berk. SC; QUHY, QURU; rot unknown.

T. regularis Schwein. var. *regularis*. SC; PSME; rot unknown.

T. terrestris Ehrenb.: Fr. CH, HU, PI, SC; PIPO; mycorrhizal symbiont, rot unknown.

Tomentella botryoides (Schwein.) Bourdot & Galzin. SC; PIPO; rot unknown.

T. bryophila (Pers.) M. J. Larsen. HU, PI, SC; PIEN1, POTR, QUHY; rot unknown.

T. caesiocinerea (Svrček) M. J. Larsen. SC; POTR; rot unknown.

- T. chlorina* (Masse) G. Cunn. CH, HU, PI, SC; ABCO, ALOB, CUAR, FRVE, JUMA, PICE, PIPO, PIST, POTR, PSME, QUEM, QUHY; rot unknown.
- T. cinerascens* (P. Karst.) Höhn. & Litsch. PI; ABCO; rot unknown.
- T. crinalis* (Fr.) M. J. Larsen. PI, SC; ABCO, CUAR, POTR; rot unknown.
- T. ellisii* (Sacc.) Jülich & Stalpers. CH; PIPO; rot unknown.
- T. ferruginea* (Pers.) Pat. HU, SC; POTR, QUHY; rot unknown.
- T. fibrosa* (Berk. & M. A. Curtis) M. J. Larsen. CH, PI, SC; POTR, PSME; rot unknown.
- T. italica* (Sacc.) M. J. Larsen. SC; PIPO; rot unknown.
- T. lateritia* Pat. CH, SC; ALOB, CUAR, PIEN2, PIPO, POTR, QUGA, QUHY; rot unknown.
- T. neobourdotii* M. J. Larsen. CH; QUAR; rot unknown.
- T. pilosa* (Burt) Bourdot & Galzin. CH, SC; CUAR, PLWR, POTR, QUAR; rot unknown.
- T. punicea* (Alb. & Schwein.) Schröt. SC, SR; CUAR, QUHY; rot unknown.
- T. ramosissima* (Berk. & M. A. Curtis) Wakef. CH, PI, SC; ABCO, CUAR, PIEN1, PIPO; rot unknown.
- T. rubiginosa* (Bres.) Maire. CH, SC; CUAR, QUHY; rot unknown.
- T. ruttneri* Litsch. CH; ABCO; rot unknown.
- T. terrestris* (Berk. & Broome) M. J. Larsen. CH, PI, SC; ABCO, PIPO, POTR, PSME, QUGA; rot unknown.
- T. umbrinospora* M. J. Larsen. SC; POTR; rot unknown.
- T. viridescens* (Bres. & Torrend) Bourdot & Galzin. PI; POTR; rot unknown.
- Tomentellastrum badium* (Link) M. J. Larsen. CH, SC; ABCO, PIPO; rot unknown.
- T. montanensis* (M. J. Larsen) M. J. Larsen. SC; POTR; rot unknown.
- Tomentellina fibrosa* (Berk. & M. A. Curtis) M. J. Larsen. CH; POTR; rot unknown.
- Tomentellopsis pusilla* Hjortstam. SR; PRVE; white rot.
- Trametes cervina* (Schwein.) Bres. CH, SC, SR ; PLWR, POTR, QUAR, QUEM, QUHY, QURU, SAGO; white rot.
- T. hirsuta* (Wulfen: Fr.) Pilát. CH, HU, PI, SC, SR; ACGL, ACGR, ALOB, POTR, QUEM, QUHY; white rot.
- T. ochracea* (Pers.) Gilb. & Ryvariden. CH; POTR; white rot.
- T. versicolor* (L.: Fr.) Pilát. CH, PI, SC, SR; ACGL, ACGR, ALOB, PLWR, POTR, PRSE, QUAR, QUGA, QUHY; white rot.
- Trechispora cohaerens* (Schwein.) Jülich & Stalpers. SC, SR; AGPA, JUDE, PIPO, PSME; white rot.
- T. confinis* (Bourdot & Galzin) Liberta. CH, HU, PI, RI, SC; ABBI, ACGL, ALOB, MOSC, POTR; white rot.
- T. farinacea* (Pers.: Fr.) Liberta. CH, HU, PI, SC, SR; ACGL, CAGI, CUAR, JUDE, PICE, PIEN1, PIEN2, PIPO, PLWR, POTR; white rot.
- T. fastidiosa* (Pers.: Fr.) Liberta. CH, SR; POTR, QUHY, SAGO; white rot.
- T. lunata* (L. Romell) Jülich. PI, SC; PIPO, PSME; white rot.
- T. mollusca* (Pers.: Fr.) Liberta. CH, HU, SC; CUAR, PIPO; white rot.
- T. praefocata* (Bourdot & Galzin) Liberta. SC; ERFL; white rot.
- Tremella foliacea* Pers.: Fr. HU, SC, SR; PSME, QUAR, QUHY; white rot.
- T. mesenterica* Retz.: Fr. CH, SC; POTR, QUHY; white rot.

T. subanomala Coker. SC; QUAR; white rot.

T. tubercularia Berk. SC; QUHY; white rot.

Trichaptum abietinum (Dicks.: Fr.) Ryvarden. CH, HU, PI, SC, SR; ABCO, PIEN1, PILE, PIPO, PSME; white rot.

T. sector (Ehrenb.: Fr) Kreisel. CH; PIPO; white rot.

T. subchartaceum (Murrill) Ryvarden. CH, PI, SC; POTR; white rot.

Tricholomopsis bella A. H. Sm. SC; ABCO, PSME; white rot.

T. rutilans (Fr.) Singer. CH, PI, SC; ABCO, PIEN1, PIPO, PIST, PSME; white rot.

Tubulicrinis calothrix (Pat.) Donk. CH, HU, SC; PICE, PILE, PIPO, PSME; white rot.

T. chaetophorus (Höhn.) Donk. CH, SC; PIPO, PSME; white rot.

T. gracillimus (D. P. Rogers & H. S. Jacks.) G. Cunn. CH; PIPO; white rot.

T. hamatus (H. S. Jacks.) Donk. CH, SC; CUAR, PSME; white rot.

T. medius (Bourdot & Galzin) Oberw. SC; PIPO; white rot.

T. subulatus (Bourdot & Galzin) Donk. CH, HU, SC; ABCO, CUAR, PIEN1, PIPO, PIST; white rot.

Tulasnella allantopora Wakef. & Pears. CH, SC; PIPO, QUHY; white rot.

T. violea (Quéf.) Bourdot & Galzin. CH, PI, SC; PIPO, POTR, QUHY; white rot.

Vararia athabascensis Gilb. CH, HU, SC; ARPU, PIEN1, POTR; white rot.

V. fibra Welden. HU, SR; JUDE, QUEM, QUHY; white rot.

V. investiens (Schwein.) P. Karst. PI; PIEN1; white rot.

V. racemosa (Burt) D. P. Rogers & H. S. Jacks. PI; ABBI, PIEN1; white rot.

**Veluticeps berkeleyi* (Berk. & M. A. Curtis) Cooke. CH, SC; PIEN2, PIPO; brown rot.

V. pimeriensis (Gilb.) Hjortstam & Tellería. SC; PIPO; brown rot.

Vesiculomyces citrinus (Pers.) Hagström. CH, PI, SC; ABBI, ABCO, ALOB, PIEN1, PIPO, POTR; white rot.

Volvaria bombycina Fr. SR; POFR, SAGO; white rot.

Wolfiporia dilatohypha Ryvarden & Gilb. SR; QUHY; brown rot.

Wrightoporia lenta (Overh. & J. Lowe) Pouzar. SC; PIPO; brown rot.

Xeromphalina campanella Kühner & Maire. CH, HU, PI, SC; ABCO, PIPO, PSME; white rot.

X. caudicinalis (Fr.) Kühner. SC; ABCO, PIPO; white rot.

CONCLUSIONS

Table 1 shows the numbers of species of wood-rotting Basidiomycetes in major subgroups recorded from six Sky Island Mountain Ranges in southern Arizona. The disparity in total numbers is mainly a reflection of the intensity of field collecting in the six mountain ranges over the last 40 years. The Chiricahuas, Huachucas, Pinalenos, and Santa Catalinas are readily accessible by road to high elevations and have been more thoroughly explored mycologically. All

six mountain ranges have desert shrub, oak woodland, pinyon-juniper, and mixed conifer vegetation types with essentially the same woody plant species in all these zones. The wood-rotting fungi typical of these vegetation types can be expected to occur in all of the six mountain ranges. The Santa Catalinas and Rincons differ from the other four in having upland Sonoran Desert at lower elevations. Some species of wood-rotting fungi apparently restricted to the Sonoran Desert are not known from the other ranges. The Pinalenos and Chiricahuas are higher than the others and are the only ones with subalpine spruce-fir vegetation type. Some wood-rotting fungi typical of this type in more northern latitudes are found only in those two ranges.

TABLE 1. Groups of wood-rotting fungi recorded from six Sky Island mountain Ranges in southern Arizona.

Sky Island Mountains	Polyporoid	Corticoid	Agaricoid	Heterobasidiomycete	Total
Chiricahua	135	162	35	22	354
Huachuca	45	74	6	4	129
Pinaleno	76	110	13	12	211
Rincon	12	16	2	3	33
Santa Catalina	118	192	46	24	380
Santa Rita	68	77	15	10	170

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