

An annotated checklist of non-poroid Aphylllophorales in China

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Studies of non-poroid Aphylllophorales in China are briefly reviewed, and an annotated catalogue, based mostly on literature, documents 401 species from the country. Based on our collections, five species, *Asterodon ferruginosus*, *Crustoderma dryinum*, *Meruliopsis albostraminea*, *Phanerochaete galactites* and *Scytinostroma galactinum*, are newly recorded from China. A condensed description of these species is included in the catalogue. The host(s) and distribution of each species are given in the list.

Key words: checklist, China, fungal flora, non-poroid Aphylllophorales, taxonomy

Introduction

The project is funded by the Chinese Academy of Sciences for studying the diversity and ecology of wood-rotting fungi in the Chinese natural forests, and the non-poroid Aphylllophorales is one part of our study object. However, the knowledge of this group of fungi in China is very fragmentary and many species published in scattered Chinese journals have been almost forgotten outside China. It is therefore necessary to outline the species which have been recorded in China. To this end, we traced almost all the literature concerning or including species of non-poroid Aphylllophorales from the country, and some species were identified from our material.

Wood-inhabiting fungi, mostly polypores and corticiaceous species, have been systematically investigated and documented in North America and North Europe (Eriksson & Ryvarden 1973,

1975, 1976, Eriksson *et al.* 1978, 1981, 1984, Gilbertson & Ryvarden 1986, 1987, Hjortstam 1987, 1988, Ginns & Lefebvre 1993, Ryvarden & Gilbertson 1993, 1994, Hjortstam 1997, Ginns 1998, Kotiranta 2001). In East Asia the poroid Aphylllophorales are relatively better known than the other groups in the order (Zhao & Zhang 1992, Dai 1999, 2000, Núñez & Ryvarden 2000, 2001), and significant contributions on the corticioid fungi have been made from Taiwan and Japan only (Maekawa 1993, 1994, 1997, 1998, 1999, 2000, Wu 2000).

Scope of non-poroid fungi of Aphylllophorales in present paper

In this paper the non-poroid Aphylllophorales contain species mostly in the Corticiaceae *s. lato* (Hjortstam *et al.* 1988, Hjortstam 1997, Ginns

1998), but the Lachnocladiaceae, Coniophoraceae, Thelephoraceae, Hydnaceae, and non-poroid species in the Hymenochaetaceae (*Asterodon*, *Hydnochaete*, *Hymenochaete*) are included, too, because they are extremely poorly known in China, and in fact all the species in these families have a similar habit. However, species with poroid hymenophore are excluded because they are traditionally treated as polypores.

Studies of non-poroid fungi of Aphyllophorales in China

Scientific studies on non-poroid Aphyllophorales (with binomial nomenclature) in China were started in the late 19th century. G. N. Potanin and other Russians made the first extensive botanical collections from northwest and northern China during 1876–1894 (Tai 1979a), and some fungal specimens were collected as well. Most mycological materials are parasitic fungi, but some wood-rotting fungi were reported by Karsten (1892). The French priest J. M. Delavay made another comprehensive botanical collection in southern China during 1881–1891, and some of his collections on wood-inhabiting fungi were published by Patouillard (1890, 1893, 1895). *Aleurodiscus oakesii*, *Corticium calceum*, *Hymenochaete cruenta*, *H. rheiolor*, *Merulius tremellosus*, and *Porostereum spadiceum* were the first records of non-poroid Aphyllophorales from China (Patouillard 1890). Jaczewski et al. (1900) and Siuzev (1910) mentioned several species from the country. Teng was an eminent Chinese mycologist, and he made a pioneer survey on Chinese fungi during the 1930s. He made the first report concerning non-poroid Aphyllophorales from China (Teng 1935), and 99 species of the Hydnaceae, Meruliaceae and Thelephoraceae were recorded in his first fungal flora of China (Teng 1939). Pilát (1940) and Imazeki (1943) published some more Basidiomycetes including a few species of non-poroid Aphyllophorales from northern China. The first Chinese comprehensive mycological book, *Fungi of China*, was published by Teng (1963), and its English version came out fairly recently (Teng 1996). Altogether 139 species, belonging to non-poroid Aphyllophorales, were documented in the book. Tai

(1979b) made a catalogue of all Chinese fungi found before 1974; more names of non-poroid Aphyllophorales were listed in the catalogue, but many of them are synonyms. Ying (1980) listed 67 resupinate species of Aphyllophorales from China, 42 of which were new for the country. Stereaceae from China were summarized by Guo (1986, 1987a, 1987b), and 44 species including four new ones were published by him. The first professional study on the Chinese non-poroid Aphyllophorales (mostly corticioid fungi) was made by Hjortstam and Ryvarden (1988), and they found 98 species from Jilin Province of northeastern China, many of the species being new to the Chinese mycoflora. Two local fungal floras from Jilin Province in northern China (Li 1991) and Guangdong Province from the south (Bi et al. 1994) were published, and respectively 51 and 88 species of the non-poroid Aphyllophorales were reported. More species including some new ones were reported from other parts of China (Zhang 1989, 1997, Ginns 1991, Dai 1998, 2002, Langer & Dai 1998, Dai et al. 2000). Recently, three very noteworthy papers concerning corticioid fungi from China were published (Maekawa & Zang 1995, Maekawa et al. 2002, Wu 2002), and 101 species were for the first time found in China. The above-mentioned publications are the principal contributions to the non-poroid Aphyllophorales from China.

Materials and methods

The publications on the Chinese non-poroid Aphyllophorales were critically examined, and the species, mostly based on the literature, were gathered in the following checklist. However, a minor part of the species, including some newly recorded ones from China, are based on our own collections, and a condensed description on these species is given in the catalogue. The collections of the new Chinese species are deposited in the Herbarium of Institute of Applied Ecology, Chinese Academy of Sciences (IFP). In addition, information on substrate and distribution of some other species in the checklist are based on our material as well. Many names in the Chinese literature published before 1980 were treated under a few general genera, e.g., *Thel-*

ephora and *Stereum*. Among these names, some should be allocated in other genera according to the modern taxonomy, and some are synonyms. Therefore we checked each of the names, and then addressed them to genera accepted by most modern mycologists. A few taxa, although recorded in the earlier Chinese publications, are excluded, because these names are either rejected or dubious according to the modern nomenclature.

The checklist is arranged alphabetically by the genus, and species within genera. The authors of scientific names are abbreviated mostly according to Brummitt and Powell (1992), because more new fungal name authors have been accumulated during the last 10 years, and the new authors are followed by the second edition of Authors of fungal names (available in the internet at <http://www.indexfungorum.org/AuthorsOfFungalNames.htm>). A selected synonymy, especially of names reported from China by earlier workers, is given after the valid and legitimate name, and substrate, province(s) and literature are supplied below each name.

Results

Checklist

Acanthophysiellum lividocoeruleum (P. Karst.) Parmasto
syn. *Aleurodiscus lividocaeruleus* (P. Karst.) P.A. Lemke
syn. *Corticium lividocaeruleum* P. Karst.
Gymnosperm; Ningxia (Ying 1980)

Aleurobotrys botryosus (Burt) Boidin, Lanq. & Gilles
syn. *Aleurodiscus botryosus* Burt
Angiosperm; Hebei (Ying 1980)

Aleurocystidiellum disciforme (DC. : Fr.) Tellería
syn. *Aleurodiscus disciformis* (DC. : Fr.) Pat.
Fraxinus, *Pinus*; Hebei, Heilongjiang, Jilin (Maekawa & Zang 1995, Teng 1996, Wu 2002)

Aleurocystidiellum subcruentatum (Berk. & M.A. Curtis)
P.A. Lemke
syn. *Aleurodiscus subcruentatus* (Berk. & M.A. Curtis)
Burt
syn. *Aleurodiscus stereoides* Yasuda
Abies, angiosperm, gymnosperm, *Picea*; Heilongjiang, Jilin, Sichuan, Yunnan (Li 1991, Teng 1996, Maekawa *et al.* 2002)

Aleurodiscus aberrans G. Cunn.
syn. *Acanthophysium aberrans* (G. Cunn.) G. Cunn.
Angiosperm; Guangdong (Bi *et al.* 1994)

Aleurodiscus amorphus (Pers. : Fr.) J. Schröt.
Abies, *Picea*; Gansu, Heilongjiang, Sichuan (Ying 1980,

Teng 1996)

Aleurodiscus aurantius (Pers. : Fr.) J. Schröt.
syn. *Acanthophysium aurantium* (Pers. : Fr.) G. Cunn.
Angiosperm; Guangdong (Bi *et al.* 1994)

Aleurodiscus berggrenii (Cooke) G. Cunn.
syn. *Acanthophysium berggrenii* (Cooke) G. Cunn.
Angiosperm; Guangdong (Bi *et al.* 1994)

Aleurodiscus canadensis Skolko
Sichuan, Yunnan (Maekawa & Zang 1995, Maekawa *et al.* 2002)

Aleurodiscus diffusus (Sacc.) Burt
Juglans, *Quercus*; NE China (Núñez & Ryvarden 1997)

Aleurodiscus gigasporus Ginns & Bandoni
Keterleeria; Yunnan (Ginns, 1991)

Aleurodiscus grantii Lloyd
Abies; Sichuan (Maekawa *et al.* 2002)

Aleurodiscus microcarpus Núñez & Ryvarden
Angiosperm; Yunnan (Núñez & Ryvarden 1997)

Aleurodiscus mirabilis (Berk. & M.A. Curtis) Höhn.
Salix; Anhui, Guangdong, Guangxi, Guizhou, Hainan, Hebei, Jiangxi, Shaanxi, Sichuan, Yunnan, Zhejiang (Ying 1980, Maekawa & Zang 1995, Teng 1996)

Aleurodiscus monilifer Malençon
Quercus; Xizang (Wu 2002)

Aleurodiscus oakesii (Berk. & M.A. Curtis) Pat.
Angiosperm; Sichuan, Yunnan (Patouillard 1890, Ying 1980, Teng 1996)

Aleurodiscus parvisporus Núñez & Ryvarden
Salix; Sichuan (Maekawa *et al.* 2002)

Aleurodiscus spiniger D.P. Rogers & P.A. Lemke
Angiosperm; Guangxi (Ying 1980)

Aleurodiscus weirii Burt
Taxus; Yunnan (Teng 1996)

Amphinema arachispora Burds. & Nakasone
Pinus; Yunnan (Maekawa & Zang 1995)

Amphinema byssoides (Pers.) J. Erikss.
syn. *Peniophora byssoides* (Pers.) Höhn. & Litsch.
Angiosperm, *Picea*, *Pinus*, *Tsuga*; Jilin, Sichuan, Yunnan (Ying 1980, Hjortstam & Ryvarden 1988, Maekawa & Zang 1995, Maekawa *et al.* 2002)

Amphinema diadema K.H. Larss. & Hjortstam
Gymnosperm; Sichuan (Maekawa *et al.* 2002)

Amylocorticium canadense (Burt) J. Erikss.
Picea; Yunnan (Maekawa & Zang 1995)

Amylocorticium cebennense (Bourdot) Pouzar
Angiosperm, *Picea*, *Pinus*; Yunnan (Maekawa & Zang 1995)

Amylocorticium laceratum (Litsch.) Hjortstam & Ryvarden
Pinus; Jilin (Hjortstam & Ryvarden 1988)

Amylocorticium subincarnatum (Peck) Pouzar
Abies; Jilin (Hjortstam & Ryvarden 1988)

Amylocorticium subsulphureum (P. Karst.) Pouzar
Larix; Jilin (Hjortstam & Ryvarden 1988)

Amylosporomyces subasperisporus (Litsch.) Hjortstam & Ryvarden
Abies; Jilin (Hjortstam & Ryvarden 1988)

Amylostereum chailletii (Pers. : Fr.) Boidin
syn. *Lloydella chailletii* (Pers.) Bres.
syn. *Stereum chailletii* (Pers.) Fr.
Abies, *Picea*; Gansu, Jilin, Ningxia, Shanghai, Shanxi,

- Sichuan, Yunnan (Pilát 1940, Zang 1980, Guo 1986, Teng 1996, Hjortstam & Ryvarden 1988)
- Amylostereum laevigatum** (Fr.) Boidin
Gymnosperm; Sichuan (Maekawa et al. 2002)
- Aphanobasidium bisterigmaticum** Boidin & Gilles
Bambusa; Sichuan (Maekawa et al. 2002)
- Aphanobasidium pseudotsugae** (Burt) Boidin & Gilles
syn. *Xenasma pseudotsugae* (Burt) J. Erikss.
Abies; Jilin (Hjortstam & Ryvarden 1988)
- ***Asterodon ferruginosus** Pat.
Basidiocarp annual, resupinate; hymenophore densely covered with spines, yellowish cinnamon, greyish brown or reddish brown. Hyphal system dimitic, generative hyphae simple-septate. Asterosetae abundant. Basidiospores ellipsoid, hyaline, fairly thick-walled, smooth, usually bearing a guttule, IKI–, CB+, 5.1–7.2 × 3.4–4.4 μm.
SPECIMEN EXAMINED: Jilin Province, Antu County, Changbaishan Nat. Reserve, on *Picea*, 18.IX.1998 *Dai 2973* & *Niemelä* (IFP).
- Asterostroma cervicolor** (Berk. & M.A. Curtis) Masee
syn. *Asterostroma ochroleucum* Bres.
Tilia; Jilin, Yunnan (Ying 1980, Hjortstam & Ryvarden 1988)
- Athelia decipiens** (Höhn. & Litsch.) J. Erikss.
Betula, *Populus*; Jilin, Yunnan (Hjortstam & Ryvarden 1988, Maekawa & Zang 1995)
- Athelia fibulata** M.P. Christ.
Rhododendron; Yunnan (Maekawa & Zang 1995)
- Athelia laxa** (Burt) Jülich
Angiosperm, *Tsuga*; Sichuan, Yunnan (Maekawa & Zang 1995, Maekawa et al. 2002)
- Athelia pyriformis** (M.P. Christ.) Jülich
Pinus; Yunnan (Maekawa & Zang 1995)
- Athelia scutellaris** (Berk. & M.A. Curtis) Gilb.
syn. *Corticium suctellare* Berk. & M.A. Curtis
Angiosperm; Guizhou, Jiangsu, Yunnan (Ying 1980)
- Athelopsis glaucina** (Bourdot & Galzin) Parmasto
Angiosperm; Sichuan (Maekawa et al. 2002)
- Auriculariopsis ampla** (Lév.) Maire
syn. *Stereum pubescens* Burt
Betula; Beijing, Guangxi, Hainan, Hebei, Jilin, Yunnan (Guo 1987b, Teng 1996)
- Auriscalpium vulgare** Gray
Gymnosperm; Anhui, Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hunan, Jiangxi, Jilin, Shaanxi, Sichuan, Xizang, Zhejiang (Zang 1980, Li 1991, Teng 1996)
- Basidioradulum radula** (Fr. : Fr.) Nobles
syn. *Hyphoderma radula* (Fr. : Fr.) Donk
Acer, angiosperm; Jilin, Sichuan (Maekawa et al. 2002)
- Boidinia furfuracea** (Bres.) Stalpers & Hjortstam
Abies, *Larix*, *Picea*; Jilin, Sichuan, Yunnan (Hjortstam & Ryvarden 1988, Maekawa & Zang 1995, Maekawa et al. 2002)
- Boidinia granulata** Sheng H. Wu
Angiosperm; Yunnan (Wu 2002)
- Boidinia lacticolor** (Bres.) Hjortstam & Ryvarden
Bambusa; Jilin (Hjortstam & Ryvarden 1988)
- Boidinia peroxydata** (Rick) Hjortstam & Ryvarden
Wood; Jilin (Hjortstam & Ryvarden 1988)
- Boidinia propingua** (H.S. Jacks. & Dearden) Hjortstam & Ryvarden
Quercus; Jilin (Hjortstam & Ryvarden 1988)
- Boreostereum radiatum** (Peck) Parmasto
syn. *Stereum radiatum* Peck
Picea; Hebei, Jilin, Sichuan, Yunnan (Guo 1986, Li 1991, Teng 1996)
- Boreostereum vibrans** (Berk. & M.A. Curtis) Davydkina & Bondartseva
syn. *Stereum vibrans* Berk. & M.A. Curtis
Angiosperm; Guangdong, Guangxi, Hainan, Jiangxi, Xizang, Yunnan (Bi et al. 1994, Teng 1996)
- Botryobasidium candicans** J. Erikss.
Pinus; Yunnan (Maekawa & Zang 1995)
- Botryobasidium conspersum** J. Erikss.
Angiosperm; Yunnan (Maekawa & Zang 1995)
- Botryobasidium pruinaum** (Bres.) J. Erikss.
Pinus, *Salix*; Sichuan, Yunnan (Maekawa & Zang 1995, Maekawa et al. 2002)
- Botryobasidium subbotryosum** Rattan
Angiosperm; Guangdong (Bi et al. 1994)
- Botryobasidium subcoronatum** (Höhn. & Litsch.) Donk
Abies, angiosperm, *Pinus*; Sichuan, Yunnan (Bi et al. 1991, Maekawa & Zang 1995, Maekawa et al. 2002)
- Botryobasidium vagum** (Berk. & M.A. Curtis) D.P. Rogers
syn. *Botryobasidium botryosum* (Bres.) J. Erikss.
Abies, *Pinus*, *Rhododendron*; Sichuan, Yunnan (Maekawa & Zang 1995, Maekawa et al. 2002)
- Botryhypochnus isabellinus** (Fr.) J. Erikss.
Picea, *Pinus*; Jilin, Sichuan, Yunnan (Hjortstam & Ryvarden 1988, Maekawa & Zang 1995, Maekawa et al. 2002)
- Brevicellicium olivascens** (Bres.) K.H. Larss. & Hjortstam
syn. *Trechispora mutabilis* (Pers.) Libertá
syn. *Grandinia mutabilis* (Pers.) Bourdot & Galzin
Angiosperm, *Bambusa*; Guangdong, Guizhou, Sichuan (Ying 1980, Zang 1980, Bi et al. 1994, Maekawa et al. 2002)
- Byssocorticium atrovirens** (Fr. : Fr.) Bondartsev & Singer
syn. *Corticium caeruleum* (Schrad.) Fr.
Angiosperm; Anhui, Fujian, Guangdong, Guangxi, Heilongjiang, Jiangxi, Shaanxi, Sichuan, Xizang, Yunnan, Zhejiang (Ying 1980, Zang 1980)
- ***Byssomerulius albostramineus** (Torrend) Hjortstam
syn. *Meruliopsis albostraminea* (Torrend) Jülich & Stalpers
Basidiocarp annual, resupinate; hymenophore merulioid, bright orange to reddish brown when dry. Hyphal system monomitic, generative hyphae without clamp connections. Cystidia clavate, infrequent, hyaline, thin-walled, 35–40 × 4.5–5 μm. Basidiospores allantoid, hyaline, thin-walled, smooth, usually bearing a guttule, IKI–, CB–, 4.1–5 × 1.7–2 μm.
SPECIMENS EXAMINED: Jilin Province, Antu County, Changbaishan Nat. Reserve, on *Acer*, 7.IX.1993 *Dai 1161* (IFP); on *Pinus*, 13.VIII.1997 *Dai 2431* (IFP).
- Byssomerulius ambiguus** (Berk.) Gilb. & Budington
syn. *Merulius ambiguus* Berk.
Wood; Shaanxi (Ying 1980)
- Byssomerulius corium** (Fr.) Parmasto
syn. *Stereum ochroleucum* (Fr.) Quéf.
syn. *Merulius papyrinus* (Bull.) Quéf.

- syn. *Merulius corium* (Pers.) Fr.
Angiosperm; Beijing, Guangdong, Hainan, Hebei, Jilin, Liaoning, Shaanxi, Shanxi (Jaczewski *et al.* 1900, Pilát 1940, Guo 1987b, Hjortstam & Ryvarden 1988, Bi *et al.* 1994)
- Candelabrochaete verruculosa*** Hjortstam
Angiosperm; Sichuan (Maekawa *et al.* 2002)
- Ceraceomyces serpens*** (Tode : Fr.) Ginns
syn. *Merulius stratosus* Pilát
Pinus, wood; Shaanxi, Sichuan (Pilát 1940, Maekawa *et al.* 2002)
- Ceraceomyces sublaevis*** (Bres.) Jülich
Angiosperm; Jilin, Sichuan (Hjortstam & Ryvarden 1988, Maekawa *et al.* 2002)
- Ceraceomyces sulphurinus*** (P. Karst.) J. Erikss. & Ryvarden
syn. *Peniophora sulphurina* (P. Karst.) Höhn. & Litsch.
Angiosperm, *Ulmus*; Hebei, Jilin (Ying 1980, Hjortstam & Ryvarden 1988)
- Ceraceomyces tessulatus*** (Cooke) Jülich
Gymnosperm, *Picea*, *Pinus*, *Salix*; Sichuan, Yunnan (Maekawa & Zang 1995, Maekawa *et al.* 2002)
- Ceratobasidium gramineum*** (Ikata & T. Matsuura) Oniki, Ogoshi & T. Araki
syn. *Corticium gramineum* Ikata & T. Matsuura
Angiosperm; Jilin (Li 1991)
- Chondrostereum purpureum*** (Pers. : Fr.) Pouzar
syn. *Stereum purpureum* Pers.
Betula, *Populus*, *Salix*, *Tilia*; Anhui, Beijing, Hebei, Heilongjiang, Jiangsu, Jiangxi, Jilin, Qinghai, Shanghai, Shanxi, Sichuan, Xinjiang, Xizang, Yunnan, Zhejiang (Pilát 1940, Zang 1980, Guo 1986, Hjortstam & Ryvarden 1988, Li 1991, Teng 1996)
- Clavulicium macounii*** (Burt) J. Erikss. & Boidin *ex* Parmasto
Abies, *Picea*; Jilin (Hjortstam & Ryvarden 1988)
- Clavulicium spurium*** (Bourdot) J. Erikss.
Tsuga; Yunnan (Maekawa & Zang 1995)
- Climacodon pulcherrimus*** (Berk. & M.A. Curtis) M.I. Nikol.
syn. *Steccherinum pulcherrimum* (Berk. & M.A. Curtis) Banker
Wood; Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hebei, Hubei, Jiangsu (Zhang 1989, Teng 1996)
- Climacodon septentrionalis*** (Fr.) P. Karst.
syn. *Steccherinum septentrionale* (Fr.) Banker
Acer, *Tilia*; Hebei, Heilongjiang, Jilin (Li 1991, Teng 1996)
- Conferticium ochraceum*** (Fr. : Fr.) Hallenb.
Larix; Jilin (Hjortstam & Ryvarden 1988)
- Coniophora arida*** (Fr.) P. Karst.
syn. *Coniophora suffocata* (Peck) Masee
Wood; Beijing, Sichuan (Ying 1980)
- Coniophora olivacea*** (Fr. : Fr.) P. Karst.
Wood; Jilin (Hjortstam & Ryvarden 1988)
- Coniophora puteana*** (Schumach. : Fr.) P. Karst.
Wood; Jilin (Hjortstam & Ryvarden 1988)
- Coronicium proximum*** (H.S. Jacks.) Jülich
Angiosperm; Jilin (Hjortstam & Ryvarden 1988)
- Corticium roseum*** Pers. : Fr.
syn. *Aleurodiscus roseus* (Pers.) Litsch.
syn. *Laeticorticium roseum* (Pers. : Fr.) Donk
Betula; Hebei, Inner Mongolia, Jilin, Shaanxi, Shanxi, Yunnan (Pilát 1940, Ying 1980, Maekawa & Zang 1995)
- Cotylidia aurantiaca*** (Pers.) A.L. Welden
syn. *Stereum aurantiacum* (Pers.) Lloyd
Wood; Guizhou, Jiangsu, Yunnan, Zhejiang (Zang 1980, Guo 1986, Teng 1996)
- Cotylidia diaphana*** (Schwein.) Lentz
syn. *Stereum diaphanum* (Schwein.) Cooke
Angiosperm; Anhui, Beijing, Gansu, Guangxi, Guizhou, Hebei, Jiangsu, Shaanxi, Shanxi, Sichuan, Yunnan, Zhejiang (Pilát 1940, Guo 1986, Teng 1996)
- Cotylidia komabensis*** (Henn.) D.A. Reid
syn. *Stereum albidum* Lloyd
Ground; Jilin (Li 1991)
- Cotylidia pallida*** (Pers.) Boidin
syn. *Podoscypha pallida* (Pers.) Pilát
syn. *Stereum pallidum* (Pers.) Cooke
Wood; Jiangsu, Shanxi (Pilát 1940)
- Cotylidia undulata*** (Fr.) P. Karst.
Wood; Jilin (Hjortstam & Ryvarden 1988)
- Creolophus cirrhatus*** (Pers.) P. Karst.
syn. *Steccherinum cirrhatum* (Pers.) Teng
Quercus; Jilin (Teng 1996, Zhang 1997)
- Cristinia helvetica*** (Pers.) Parmasto
Fraxinus; Jilin, Yunnan (Hjortstam & Ryvarden 1988, Maekawa & Zang 1995)
- **Crustoderma dryinum*** (Berk. & M.A. Curtis) Parmasto
Basidiocarp annual, resupinate; hymenophore smooth, pale ochraceous to yellowish cinnamon. Hyphal system monomitic, generative hyphae yellowish, bearing clamp connections. Cystidia clavate, thick-walled, 70–105 × 5–6 μ m. Basidiospores subcylindric, hyaline to pale yellowish, smooth, IKI–, CB–, 6.3–8 × 3–4 μ m.
SPECIMEN EXAMINED: Heilongjiang Province, Yichun, Fenglin Nat. Reserve, on *Picea*, 10.VIII.2000 *Penttilä* 13482 (IFP)
- Crustomyces expallens*** (Bres.) Hjortstam
syn. *Laeticorticium expallens* (Bres.) J. Erikss. & Ryvarden
Wood; Jilin (Hjortstam & Ryvarden 1988)
- Cylindrobasidium laeve*** (Pers. : Fr.) Chamuris
syn. *Cylindrobasidium evolvens* (Fr. : Fr.) Jülich
syn. *Corticium laeve* Pers.
Angiosperm, wood; Jilin, Sichuan, Yunnan (Ying 1980, Hjortstam & Ryvarden 1988, Maekawa & Zang 1995, Maekawa *et al.* 2002)
- Cylindrobasidium torrendii*** (Bres.) Hjortstam
Betula; Sichuan, Yunnan (Maekawa *et al.* 2002, Wu 2002)
- Cymatoderma dendriticum*** (Pers.) D.A. Reid
syn. *Cladoderris dendritica* (Pers.) Berk.
Wood; Guangdong, Hainan, Xizang (Zang 1980, Guo 1986, Teng 1996)
- Cymatoderma elegans*** Jungh.
syn. *Cladoderris elegans* (Jungh.) Fr.
Angiosperm; Guangdong, Hainan, Jilin, Yunnan (Zang 1980, Guo 1986, Bi *et al.* 1994, Teng 1996)
- Cymatoderma hainanense*** Z.T. Guo
Angiosperm; Hainan (Guo 1986)
- Cymatoderma infundibuliforme*** (Klotzsch) Boidin
syn. *Cladoderris infundibuliformis* (Klotzsch) Fr.
Angiosperm; Fujian, Guangdong, Guangxi, Hainan,

- Jiangxi, Yunnan (Zang 1980, Guo 1986, Bi *et al.* 1994, Teng 1996)
- Cymatoderma venezuelae** D.A. Reid
Liquidambar; Guangdong (Bi *et al.* 1994)
- Cyphellostereum leave** (Fr.) Read
Brachythecium (moss); Yunnan (Maekawa & Zang 1995)
- Cystidiodontia laminifera** (Berk. & M.A. Curtis) Hjortstam
Angiosperm; Yunnan (Wu 2002)
- Cystostereum murrayi** (Berk. & M.A. Curtis) Pouzar
syn. *Stereum murrayi* (Berk. & M.A. Curtis) Burt
Angiosperm; Guangdong (Bi *et al.* 1994)
- Cytidia salicina** (Fr.) Burt
Angiosperm, *Salix*; Jilin, Liaoning, Ningxia, Sichuan, Yunnan (Maekawa & Zang 1995, Maekawa *et al.* 2002)
- Dacryobolus karstenii** (Bres.) Oberw. ex Parmasto
Picea, *Pinus*; Jilin, Yunnan (Hjortstam & Ryvarden 1988, Maekawa & Zang 1995)
- Dacryobolu sudans** (Alb. & Schwein. : Fr.) Fr.
Angiosperm, gymnosperm; Sichuan (Maekawa *et al.* 2002)
- Dendrocorticium roseocarneau** (Schwein.) M.J. Larsen & Gilb.
syn. *Corticium roseocarneau* (Schwein.) Hjortstam
syn. *Vararia roseocarnea* (Schwein.) Teng
Angiosperm, *Betula*, *Pinus*; Jiangsu, Yunnan (Maekawa & Zang 1995, Teng 1996)
- Dendrophora albobadia** (Schwein. : Fr.) Chamuris
Angiosperm; Yunnan (Wu 2002)
- Dendrothele acerina** (Pers.) P.A. Lemke
syn. *Aleurodiscus acerinus* (Pers.) Höhn. & Litsch.
Wood; Sichuan (Ying 1980)
- Dendrothele candida** (Schwein.) P.A. Lemke
syn. *Aleurodiscus candidus* (Schwein.) Burt
Wood; Yunnan (Pilát 1940, Ying 1980)
- Dendrothele corniculata** (G. Cunn.) Stalpers
syn. *Corticium corniculatum* G. Cunn.
Angiosperm; Guangdong (Bi *et al.* 1994)
- Dendrothele nivosa** (Berk. & M.A. Curtis ex Höhn. & Litsch.) P.A. Lemke
syn. *Aleurodiscus nivosus* Berk. & M.A. Curtis ex Höhn. & Litsch.
Cryptomeria; Henan, Hunan, Jiangsu, Jiangxi, Sichuan, Zhejiang (Ying 1980, Teng 1996)
- Dendrothele versiformis** (Berk. & M.A. Curtis) Chamuris
syn. *Peniophora versiformis* (Berk. & M.A. Curtis) Bourdot & Galzin
syn. *Lloydella versiformis* (Berk. & M.A. Curtis) S. Ito
syn. *Stereum versiforme* Berk. & M.A. Curtis
Angiosperm; Anhui, Beijing, Guizhou, Hebei, Heilongjiang, Hunan, Inner Mongolia, Jilin, Zhejiang (Pilát 1940, Ying 1980, Li 1991, Teng 1996)
- Dentipellis fragilis** (Pers. : Fr.) Donk
syn. *Oxydonta macrodon* (Pers. : Fr.) J.N. Miller
Acer, angiosperm, *Betula*, *Populus*, *Tilia*; Anhui, Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hebei, Jilin, Xizang, Yunnan, Zhejiang (Hjortstam & Ryvarden 1988, Li 1991, Bi *et al.* 1994, Teng 1996, Dai 1998)
- Dentipellis microspora** Y.C. Dai
Abies, *Picea*; Jilin (Dai 1998)
- Dentocorticium ussuricum** (Parmasto) M.J. Larsen & Gilb.
syn. *Laeticorticium ussuricum* Parmasto
Acer; Jilin (Hjortstam & Ryvarden 1988)
- Dextrinocystidium sacratum** (G. Cunn.) Sheng H. Wu
syn. *Gloeocystidiellum sacratum* (G. Cunn.) Stalpers & P.K. Buchanan
syn. *Peniophora sacrata* G. Cunn.
Angiosperm; Hainan (Ying 1980)
- Dichostereum pallescens** (Schwein.) Boidin & Lanq.
syn. *Vararia pallescens* (Schwein.) D.P. Rogers & H.S. Jacks.
Angiosperm; Guangdong, Guangxi, Jiangsu, Shaanxi (Ying 1980, Bi *et al.* 1994, Teng 1996)
- Duportella trigonosperma** (Boidin, Lanq. & Gilles) Hjortstam
Trachycarpus; Sichuan (Maekawa *et al.* 2002)
- Epithele malaiensis** Boidin & Lanq.
Trachycarpus; Yunnan (Maekawa & Zang 1995)
- Fibricium rude** (P. Karst.) Jülich
Wood; Jilin (Hjortstam & Ryvarden 1988)
- Flavodon flavus** (Klozsch) Ryvarden
syn. *Hirschioporus flavus* (Kolotzsch) Teng
Angiosperm; Guangxi, Hainan, Yunnan (Teng 1996)
- Globulicium hiemale** (Laurila) Hjortstam
Angiosperm; Jilin (Hjortstam & Ryvarden 1988)
- Gloeocystidiellum aspellum** Hjortstam
Angiosperm; Yunnan (Wu 2002)
- Gloeocystidiellum clavuligerum** (Höhn. & Litsch.) Nakasone
syn. *Corticium vesiculosum* Burt
Angiosperm; Hebei (Ying 1980)
- Gloeocystidiellum porosum** (Berk. & M.A. Curtis) Donk
syn. *Corticium porosum* Berk. & M.A. Curtis
Angiosperm; Hebei, Guangdong, Sichuan (Ying 1980, Bi *et al.* 1994, Maekawa *et al.* 2002)
- Gloopeniophorella convolvens** (P. Karst.) Boidin, Lanq. & Gilles
syn. *Gloeocystidiellum convolvens* (P. Karst.) Donk
Acer; Jilin (Hjortstam & Ryvarden 1988)
- Gloiodon strigosus** (Sw. : Fr) P. Karst.
Wood; Jilin (Hjortstam & Ryvarden 1988)
- Gloiothele citrina** (Pers.) Ginns & G.W. Freeman
syn. *Corticium pelliculare* (P. Karst.) P. Karst.
syn. *Vesiculomyces citrinus* (Pers.) E. Hagstr.
Abies, angiosperm, wood; Anhui, Guangdong, Jiangsu, Jilin, Sichuan, Xizang, Yunnan (Zang 1980, Hjortstam & Ryvarden 1988, Li 1991, Bi *et al.* 1994, Teng 1996, Maekawa *et al.* 2002)
- Gloiothele lactescens** (Berk.) Hjortstam
syn. *Gloeocystidiellum lactescens* (Berk.) Boidin
syn. *Corticium lactescens* Berk.
Angiosperm; Hebei (Ying 1980)
- Grammothele fuligo** (Berk. & Broome) Ryvarden
syn. *Porogramme fuligo* (Berk. & Broome) Pat.
Trachycarpus; Hainan, Yunnan (Ying 1980, Maekawa & Zang 1995)
- Grammothele mappa** Berk. & M.A. Curtis
Angiosperm; Guangxi, Hainan (Ying 1980)
- Hericium coralloides** (Scop.) Pers.
syn. *Hericium clathroides* (Pall.) Pers.
syn. *Hericium laciniatum* (Leers) Banker
Abies, *Acer*, *Populus*, *Quercus*; Jilin, Sichuan, Xizang, Yunnan (Zang 1980, Hjortstam & Ryvarden 1988, Li

- 1991, Teng 1996)
- Hericium erinaceus*** (Bull.) Pers.
syn. *Dryodon erinaceus* (Bull.) P. Karst.
syn. *Hericium caput-medusae* (Bull.) Pers.
Acer, *Betula*, *Fagus*, *Juglans*, *Populus*, *Quercus*; Gansu, Guangdong, Guangxi, Guizhou, Hebei, Heilongjiang, Henan, Inner Mongolia, Jilin, Liaoning, Shanxi, Sichuan, Xizang, Yunnan, Zhejiang (Pilát 1940, Zang 1980, Li 1991, Bi *et al.* 1994, Teng 1996)
- Hydnellum aurantiacum*** (Batsch) P. Karst.
syn. *Hydnum aurantiacum* (Batsch) Alb. & Schwein.
Picea; Shanxi (Teng 1996)
- Hydnellum ferrugineum*** (Fr.) P. Karst.
syn. *Hydnum ferrugineum* Fr.
Angiosperm; Fujian (Teng 1996)
- Hydnellum suaveolens*** (Scop.) P. Karst.
syn. *Calodon suaveolens* (Scop.) P. Karst.
Wood; Sichuan (Teng 1996)
- Hydnochaete japonica*** Lloyd
Angiosperm; Fujian, Guangxi (Ying 1980)
- Hydnochaete olivacea*** (Schwein. : Fr.) Banker
syn. *Irpex cinnamomeus* Fr.
Angiosperm; Anhui, Guangxi, Guizhou, Hunan, Jiangsu, Yunnan (Teng 1996)
- Hydnochaete tabacinoides*** (Yasuda) Imazeki
Angiosperm; Anhui, Guangxi, Hunan, Jiangxi, Yunnan, Zhejiang (Teng 1996)
- Hydnum fimbriatoincisum*** Teng
Wood; Jiangsu (Teng 1996)
- Hydnum repandum*** L.
Wood; Guangdong, Guangxi, Guizhou, Hebei, Heilongjiang, Hubei, Jiangsu, Jiangxi, Jilin, Qinghai, Shaanxi, Shanghai, Shanxi, Sichuan, Yunnan (Pilát 1940, Zang 1980, Zhang 1989, Li 1991, Bi *et al.* 1994, Teng 1996)
- Hydnum rufescens*** Pers.
Xizang (Patouillard 1895)
- Hydnum velutinum*** Fr.
Picea, *Pinus*; Shanxi, Xinjiang, Yunnan (Teng 1996)
- Hymenochaete adusta*** (Lév.) Pat.
Wood; Fujian, Guangdong, Hainan, Jiangxi, Jilin (Li 1991, Teng 1996)
- Hymenochaete cacao*** (Berk.) Berk. & M.A. Curtis
Wood; Anhui, Fujian, Guangdong, Guangxi, Guizhou, Hainan, Jiangsu, Jiangxi, Sichuan, Yunnan, Zhejiang (Bi *et al.* 1994, Teng 1996)
- Hymenochaete cinnamomea*** (Fr.) Bres.
syn. *Hymenochaete arida* (P. Karst.) Sacc.
syn. *Hymenochaete spreta* Peck
Angiosperm, *Syringa*; Gansu, Guangdong, Guangxi, Hainan, Jilin, Shaanxi, Yunnan (Pilát 1940, Ying 1980, Zang 1980, Bi *et al.* 1994, Teng 1996, Dai *et al.* 2000)
- Hymenochaete corrugata*** (Fr.) Lév.
Angiosperm, *Padus*; Guangdong, Hainan, Jilin (Ryvarden 1988, Li 1991, Bi *et al.* 1994, Hjortstam & Teng 1996, Dai *et al.* 2000)
- Hymenochaete cruenta*** (Pers. : Fr.) Donk
syn. *Hymenochaete mougeotii* (Fr.) Massee
Abies; Anhui, Fujian, Gansu, Guangdong, Guangxi, Hainan, Hebei, Heilongjiang, Jiangsu, Jilin, Shaanxi, Shanxi, Sichuan, Xizang, Yunnan, Zhejiang (Patouillard 1890, Ying 1980, Zang 1980, Li 1991, Teng 1996, Dai *et al.* 2000)
- Hymenochaete dissimilis*** G. Cunn.
Angiosperm; Guangdong (Bi *et al.* 1994)
- Hymenochaete epichlora*** (Berk. & M.A. Curtis) Cooke
Wood; Fujian (Teng 1996)
- Hymenochaete episphaeria*** (Schwein.) Massee
Angiosperm; Guangxi, Hunan, Jiangxi, Sichuan (Ying 1980, Zang 1980, Teng 1996)
- Hymenochaete fuliginosa*** (Pers.) Lév.
syn. *Hymenochaete fusca* (P. Karst.) Sacc.
Angiosperm; Guangdong, Hainan, Sichuan, Yunnan (Ying 1980, Teng 1996)
- Hymenochaete intricata*** Lloyd
Wood; Jilin (Hjortstam & Ryvarden 1988, Dai *et al.* 2000)
- Hymenochaete leonina*** Berk. & M.A. Curtis
Angiosperm; Hainan (Teng 1996)
- Hymenochaete luteobadia*** (Fr.) Höhn. & Litsch.
syn. *Hymenochaete reflexa* Burt
Angiosperm; Hainan, Yunnan (Teng 1996)
- Hymenochaete macrospora*** Y.C. Dai
Acer; Jilin (Dai *et al.* 2000)
- Hymenochaete murashkinskyi*** Pilát
Wood; Shaanxi (Pilát 1940, Dai *et al.* 2000)
- Hymenochaete pinnatifida*** Burt
Angiosperm; Guangdong, Hainan (Bi *et al.* 1994, Teng 1996)
- Hymenochaete rhubarbarina*** (Berk.) Cooke
Wood; Guangdong (Bi *et al.* 1994)
- Hymenochaete rheicolor*** (Mont.) Lév.
syn. *Hymenochaete sallei* Berk. & M.A. Curtis
Quercus; Anhui, Fujian, Guangdong, Guangxi, Hainan, Jiangsu, Jiangxi, Jilin, Qinghai, Sichuan, Yunnan, Zhejiang (Patouillard 1890, Zang 1980, Li 1991, Bi *et al.* 1994)
- Hymenochaete rigidula*** Berk. & M.A. Curtis
Angiosperm; Hainan (Teng 1996)
- Hymenochaete rubiginosa*** (Dicks.) Lév.
Quercus; Anhui, Beijing, Fujian, Guangdong, Guangxi, Hainan, Hebei, Hunan, Jiangsu, Jilin, Qinghai, Sichuan, Yunnan, Zhejiang (Li 1991, Teng 1996, Dai *et al.* 2000)
- Hymenochaete semistupposa*** Petch.
Betula, *Maackia*; Jilin (Dai *et al.* 2000)
- Hymenochaete sphaericola*** Lloyd
Rhododendron; Sichuan (15.X.2002 Dai 4216 & Wei 627 in IFP)
- Hymenochaete tabacina*** (Sow. : Fr.) Lév.
syn. *Hymenochaete badioferruginea* (Mont.) Lév.
Acer, angiosperm, *Betula*, *Tilia*; Gansu, Guangdong, Guangxi, Guizhou, Hebei, Heilongjiang, Jilin, Qinghai, Shanxi, Sichuan, Yunnan (Pilát 1940, Hjortstam & Ryvarden 1988, Li 1991, Bi *et al.* 1994, Dai *et al.* 2000)
- Hymenochaete unicolor*** Berk. & M.A. Curtis
Wood; Guangdong (Bi *et al.* 1994)
- Hymenochaete villosa*** (Lév.) Bres.
syn. *Hymenochaete nigricans* (Lév.) Pat.
Quercus; Fujian, Guangdong, Guangxi, Hainan, Jilin, Yunnan (Li 1991, Teng 1996)
- Hymenochaete yasudai*** Imazeki
Pinus; Guangxi (Teng 1996)

- Hyphoderma amoenum*** (Burt) Donk
syn. *Corticium subalbum* Burt
Angiosperm; Guangdong (Bi et al. 1994)
- Hyphoderma argillaceum*** (Bres.) Donk
Keteleeria; Sichuan, Yunnan (Maekawa & Zang 1995, Maekawa et al. 2002)
- Hyphoderma clavatum*** Sheng H. Wu
Quercus; Sichuan (Maekawa et al. 2002)
- Hyphoderma cremealbum*** (Höhn. & Litsch.) Jülich
Angiosperm, *Betula*, *Pinus*; Sichuan, Yunnan (Maekawa & Zang 1995, Maekawa et al. 2002)
- Hyphoderma cylindrocystidium*** Boidin & Gilles
Angiosperm; Sichuan (Maekawa et al. 2002)
- Hyphoderma griseoflavescens*** (Litsch.) Jülich
Angiosperm; Yunnan (Wu 2002)
- Hyphoderma medioburiense*** (Burt) Donk
Betula, *Pinus*, *Populus*; Jilin, Yunnan (Hjortstam & Ryvar-
den 1988, Maekawa & Zang 1995)
- Hyphoderma mirabile*** (Parmasto) Jülich
Gymnosperm; Sichuan (Maekawa et al. 2002)
- Hyphoderma mutatum*** (Peck) Donk
Acer; Jilin (Hjortstam & Ryvar- den 1988)
- Hyphoderma obtusifforme*** J. Erikss. & Å. Strid
Angiosperm; Yunnan (Maekawa & Zang 1995)
- Hyphoderma pallidum*** (Bres.) Donk
Pinus; Sichuan (Maekawa et al. 2002)
- Hyphoderma praetermissum*** (P. Karst) J. Erikss. & Å. Strid
Angiosperm, *Picea*, *Pinus*, *Quercus*; Sichuan, Yunnan
(Maekawa & Zang 1995, Maekawa et al. 2002)
- Hyphoderma puberum*** (Fr.) Wallr.
Pinus; Jilin, Sichuan, Yunnan (Hjortstam & Ryvar-
den 1988, Maekawa & Zang 1995, Maekawa et al. 2002)
- Hyphoderma rude*** (Bres.) Hjortstam & Ryvar-
den
syn. *Hyphoderma odontiaeforme* Boidin & Berthet
Angiosperm; Sichuan, Yunnan (Maekawa & Zang 1995,
Maekawa et al. 2002)
- Hyphoderma setigerum*** (Fr.) Donk
Betula, *Cryptomeria*, *Pinus*, *Quercus*, *Trachycarpus*;
Sichuan, Yunnan (Maekawa & Zang 1995, Maekawa et
al. 2002)
- Hyphoderma sibiricum*** (Parmasto) J. Erikss. & Å. Strid
Abies; Jilin, Sichuan (Hjortstam & Ryvar-
den 1988, Maekawa et al. 2002)
- Hyphoderma subdefinitum*** J. Erikss. & Å. Strid
Angiosperm; Yunnan (Wu 2002)
- Hyphoderma subpraetermissum*** Sheng H. Wu
Angiosperm; Yunnan (Wu 2002)
- Hyphoderma transiens*** (Bres.) Parmasto
syn. *Odontia transiens* Bres.
Wood; Shanxi (Pilát 1940)
- Hyphodermella corrugata*** (Fr.) J. Erikss. & Ryvar-
den
Angiosperm; Sichuan (Maekawa et al. 2002)
- Hyphodontia alba*** Sheng H. Wu
Angiosperm; Sichuan (Maekawa et al. 2002)
- Hyphodontia altaica*** Parmasto
Larix; Jilin (Hjortstam & Ryvar-
den 1988)
- Hyphodontia alutaria*** (Burt) J. Erikss.
Abies, angiosperm; Sichuan, Yunnan (Maekawa & Zang
1995, Maekawa et al. 2002)
- Hyphodontia arguta*** (Fr.) J. Erikss.
syn. *Odontia stipata* (Fr.) Quél.
Angiosperm, gymnosperm; Guangxi, Guizhou, Sichuan,
Yunnan (Bi et al. 1994, Maekawa et al. 2002)
- Hyphodontia aspera*** (Fr.) J. Erikss.
syn. *Odontia aspera* (Fr.) Bourdot & Galzin
Guangdong, Guizhou, Jilin (Hjortstam & Ryvar-
den 1988)
- Hyphodontia barbajovis*** (Bull. : Fr.) J. Erikss.
Angiosperm; Yunnan (Wu 2002)
- Hyphodontia boninense*** N. Maek.
Gymnosperm, *Pentadesma*, *Trachycarpus*; Sichuan,
Yunnan (Maekawa & Zang 1995, Maekawa et al. 2002)
- Hyphodontia breviseta*** (P. Karst.) J. Erikss.
Wood; Jilin (Hjortstam & Ryvar-
den 1988)
- Hyphodontia crassa*** Z.C. Chen & Seng H. Lin
syn. *Hyphodontia serpentiformis* Langer
Angiosperm; Sichuan, Yunnan (Maekawa et al. 2002, Wu
2002)
- Hyphodontia crustosa*** (Pers. : Fr.) J. Erikss.
Gymnosperm, *Quercus*; Sichuan, Yunnan (Maekawa et al.
2002, Wu 2002)
- Hyphodontia fimbriata*** Sheng H. Wu
Angiosperm; Sichuan (Maekawa et al. 2002)
- Hyphodontia floccosa*** (Bourdot & Galzin) J. Erikss.
Pinus; Yunnan (Maekawa & Zang 1995)
- Hyphodontia granulosa*** (Pers. : Fr.) Ginns & M.N.L.
Lefebvre
Angiosperm, *Picea*, *Pinus*; Sichuan, Yunnan (Maekawa &
Zang 1995, Maekawa et al. 2002)
- Hyphodontia hastata*** (Litsch.) J. Erikss.
Pinus; Jilin, Yunnan (Hjortstam & Ryvar-
den 1988, Maekawa & Zang 1995)
- Hyphodontia nespori*** (Bres.) J. Erikss. & Hjortstam
Abies, angiosperm, *Pinus*; Sichuan (Maekawa et al. 2002)
- Hyphodontia niemelaei*** Sheng H. Wu
Angiosperm, *Bougainvillea*; Yunnan (Wu 2002)
- Hyphodontia nongravis*** (Lloyd) Sheng H. Wu
Angiosperm; Yunnan (Wu 2000)
- Hyphodontia pallidula*** (Bres.) J. Erikss.
Pinus; Jilin, Sichuan (Hjortstam & Ryvar-
den 1988, Maekawa et al. 2002)
- Hyphodontia pruni*** (Lasch) Svrček
Betula, *Salix*, *Ulmus*; Jilin, Sichuan, Yunnan (Hjortstam
& Ryvar- den 1988, Maekawa & Zang 1995, Maekawa et
al. 2002)
- Hyphodontia rimosissima*** (Peck) Gilb.
Wood; Jilin (Hjortstam & Ryvar-
den 1988)
- Hyphodontia sambuci*** (Bres.) J. Erikss.
Angiosperm; Jilin, Sichuan (Hjortstam & Ryvar-
den 1988, Maekawa et al. 2002)
- Hyphodontia spatulata*** (Schrad. : Fr.) Parmasto
Larix; Jilin, Sichuan, Yunnan (Hjortstam & Ryvar-
den 1988, Maekawa & Zang 1995, Maekawa et al. 2002)
- Hyphodontia subalutacea*** (P. Karst.) J. Erikss.
Gymnosperm, *Rhododendron*; Sichuan, Yunnan (Maekawa
& Zang 1995, Maekawa et al. 2002)
- Hyphodontia syringae*** Langer
Syringa; Jilin (Langer & Dai 1998)
- Hypochnicium analogum*** (Bourdot & Galzin) J. Erikss.
Acer; Jilin (Hjortstam & Ryvar-
den 1988)
- Hypochnicium geogenium*** (Bres.) J. Erikss.

- Pinus*; Sichuan (Maekawa *et al.* 2002)
- Hypochnicium globosum*** Sheng H. Wu
Angiosperm, *Pinus*; Sichuan, Yunnan (Maekawa & Zang 1995, Maekawa *et al.* 2002)
- Hypochnicium polonense*** (Bres.) Å. Strid
Fraxinus, *Tilia*; Jilin (Hjortstam & Ryvarde 1988)
- Hypochnicium punctulatum*** (Cooke) J. Erikss.
Angiosperm, *Larix*, *Pinus*; Sichuan, Yunnan (Maekawa & Zang 1995, Maekawa *et al.* 2002)
- Intextomyces contiguus*** (P. Karst.) J. Erikss. & Ryvarde
syn. *Corticium calcium* subsp. *contiguum* P. Karst.
Angiosperm; Guangdong, Jilin (Hjortstam & Ryvarde 1988, Bi *et al.* 1994)
- Irpicond pendulus*** (Alb. & Schwein.) Pouzar
syn. *Irpex pendulus* (Alb. & Schwein.) Fr.
Pinus; Hunan (Ying 1980)
- Jaapia ochroleuca*** (Bres.) Nannf. & J. Erikss.
Wood; Jilin (Hjortstam & Ryvarde 1988)
- Kavinia albovidis*** (Morgan) Gilb. & Budington
Gymnosperm; Sichuan (Maekawa *et al.* 2002)
- Laurilia sulcata*** (Burt) Pouzar
syn. *Stereum sulcatum* Burt
Abies, *Larix*, *Picea*, *Pinus*; Gansu, Heilongjiang, Jilin, Sichuan (Hjortstam & Ryvarde 1988, Li 1991, Teng 1996)
- Laxitextum bicolor*** (Pers. : Fr.) Lentz
syn. *Lloydella bicolor* (Pers.) Bres.
syn. *Stereum fuscum* (Schrad.) P. Karst.
Pinus, *Quercus*, *Salix*; Fujian, Guangdong, Guangxi, Hainan, Hunan, Jiangsu, Jiangxi, Jilin, Shanxi, Sichuan, Yunnan (Pilát 1940, Li 1991, Bi *et al.* 1994, Teng 1996, Wu 2002)
- Leptosporomyces fuscostratus*** (Burt) Hjortstam
syn. *Confertobasidium olivacealbum* (Bourdot & Galzin) Jülich
Abies, *Larix*; Jilin (Hjortstam & Ryvarde 1988)
- Leptosporomyces galzinii*** (Bourdot) Jülich
Pinus; Yunnan (Maekawa & Zang 1995)
- Leptosporomyces mutabilis*** (Bres.) L.G. Krieglst.
syn. *Fibulomyces mutabilis* (Bres.) Jülich
Larix, *Pinus*, *Populus*; Jilin, Yunnan (Hjortstam & Ryvarde 1988, Maekawa & Zang 1995)
- Leptosporomyces ovoideus*** Jülich
Angiosperm, *Picea*; Sichuan (Maekawa *et al.* 2002)
- Leptosporomyces raunkiaerii*** (M.P. Christ.) Jülich
Pinus; Sichuan (Maekawa *et al.* 2002)
- Leptosporomyces roseus*** Jülich
Larix; Jilin (Hjortstam & Ryvarde 1988)
- Lindtneria chordulata*** (D.P. Rogers) Hjortstam
Angiosperm, *Trachycarpus*; Yunnan (Maekawa & Zang 1995)
- Litschauerella gladiola*** (G. Cunn.) Stalpers & P.K. Buchanan
syn. *Tubulicrinis gladiolus* (G. Cunn.) G. Cunn.
Angiosperm; Guangdong (Bi *et al.* 1994)
- Lobulicium occultum*** K.H. Larss. & Hjortstam
Abies; Jilin (Hjortstam & Ryvarde 1988)
- Lopharia cinerascens*** (Schwein.) G. Cunn.
syn. *Lloydella cinerascens* (Schwein.) Bres.
syn. *Lopharia lirellosa* Kalchbr. & MacOwan
syn. *Stereum cinerascens* (Schwein.) Masee
Angiosperm; Anhui, Guangxi, Guizhou, Hainan, Hebei, Hunan, Jiangsu, Jiangxi, Shanxi, Sichuan, Yunnan (Pilát 1940, Zang 1980, Guo 1987a, Teng 1996)
- Lopharia mirabilis*** (Berk. & Broome) Pat.
syn. *Licentia yaochanica* Pilát
syn. *Radulum mrabile* Berk. & Broome
Angiosperm; Guizhou, Hunan, Shanxi, Sichuan, Yunnan (Pilát 1940, Dai 2002, Wu 2002)
- Lopharia papyracea*** (Jung.) Bres.
Angiosperm; Hainan (Guo 1987a)
- Megalocystidium luridum*** (Bres.) Jülich
syn. *Gloeocystidiellum luridum* (Bres.) Boidin
syn. *Corticium luridum* Bres.
Angiosperm; Anhui, Guangdong (Bi *et al.* 1994, Teng 1996)
- Melzericium udicolum*** (Bourdot) Hauerslev
Angiosperm; Sichuan (Maekawa *et al.* 2002)
- Meruliopsis corium*** (Pers. : Fr.) Ginns
syn. *Merulius confluens* Schwein.
syn. *Merulius corium* Pers.
Angiosperm; Anhui, Fujian, Gansu, Guangdong, Guangxi, Guizhou, Hebei, Hunan, Jiangsu, Jilin, Ningxia, Shaanxi, Sichuan, Yunnan, Zhejiang (Ying 1980, Li 1991, Bi *et al.* 1994, Maekawa & Zang 1995, Teng 1996)
- Mycocacia pinicola*** J. Erikss.
Angiosperm; Sichuan (Maekawa *et al.* 2002)
- Mycoleptodonoides aitchisonii*** (Berk.) Maas Geest.
Wood; Guangdong, Jiangsu, Yunnan (Bi *et al.* 1994)
- Mycoleptodonoides pergamenae*** (Yasuda) Aoshima & H. Furuk.
syn. *Steccherinum pergamenae* (Yasuda) S. Ito
Angiosperm; Jilin, Yunnan (Li 1991, Teng 1996)
- Mycoleptodonoides vassiljevae*** M.I. Nikol.
Acer; Jilin (Hjortstam & Ryvarde 1988)
- Peniophora cinerea*** (Pers. : Fr.) Cooke
Angiosperm; Anhui, Guangdong, Hebei, Jiangsu, Shanxi, Sichuan, Zhejiang (Pilát 1940, Ying 1980, Bi *et al.* 1994, Teng 1996, Maekawa *et al.* 2002)
- Peniophora incarnata*** (Pers. : Fr.) P. Karst.
Angiosperm; Sichuan (Maekawa *et al.* 2002, Wu 2002)
- Peniophora isabellina*** Burt
Wood (Ying 1980)
- Peniophora manshurica*** Parmasto
Angiosperm; Sichuan (Maekawa *et al.* 2002)
- Peniophora nuda*** (Fr.) Bres.
Angiosperm; Guangdong (Bi *et al.* 1994)
- Peniophora pithya*** (Pers.) J. Erikss.
Angiosperm; Guizhou, Shaanxi (Ying 1980)
- Peniophora polygonia*** (Pers. : Fr.) Bourdot & Galzin
Angiosperm; Jilin (Ying 1980)
- Peniophora rufa*** (Per. : Fr.) Boidin
Betula, *Populus*, *Salix*; Jilin, Sichuan, Yunnan (Hjortstam & Ryvarde 1988, Maekawa & Zang 1995, Maekawa *et al.* 2002)
- Peniophora violaceolvida*** (Sommerf.) Masee
Salix; Sichuan (Maekawa *et al.* 2002)
- Phanerochaete affinis*** (Burt) Parmasto
syn. *Peniophora affinis* Burt
Angiosperm; Guangdong, Guangxi, Henan, Shanxi (Ying 1980, Bi *et al.* 1994)
- Phanerochaete afulata*** (G. Cunn.) Stalpers

- syn. *Phlebiopsis afibulata* (G. Cunn.) Stalpers
syn. *Corticium afibulatum* G. Cunn.
Angiosperm; Guangdong (Bi et al. 1994)
- Phanerochaete burtii*** (Romell) Parmasto
Angiosperm; Yunnan (Maekawa & Zang 1995)
- Phanerochaete chrysorhizon*** (Torr.) Budington & Gilb.
Angiosperm; Sichuan (Maekawa et al. 2002)
- Phanerochaete crassa*** (Lév.) Burds.
syn. *Stereum umbrinum* Fr.
syn. *Lloydella umbrina* (Berk. & M.A. Curtis) S. Ito
syn. *Lopharia crassa* (Lév.) Boidin
Quercus; Fujian, Guangdong, Guangxi, Guizhou, Hainan, Inner Mongolia, Shaanxi, Shanxi, Sichuan, Yunnan, Zhejiang (Pilát 1940, Guo 1987a, Bi et al. 1994, Teng 1996)
- Phanerochaete deflectens*** (P. Karst.) Hjortstam
syn. *Phlebia deflectens* (P. Karst.) Ryvarden
syn. *Grandinia deflectens* P. Karst.
Wood; Guangdong, Shaanxi (Ying 1980, Bi et al. 1994)
- Phanerochaete filamentosa*** (Berk. & M.A. Curtis.) Burds.
Wood; Jilin (Hjortstam & Ryvarden 1988)
- Phanerochaete flavidoalba*** (Cooke) S.S. Rattan
syn. *Peniophora vernicosa* Ellis & Everh.
Wood; Guangdong (Bi et al. 1994)
- **Phanerochaete galactites*** (Bourdot & Galzin) J. Erikss. & Ryvarden
Basidiocarp annual, resupinate; hymenophore tuberculate, ochraceous to reddish brown. Hyphal system monomitic, generative hyphae bearing mostly simple-septate, sometimes with clamp connections. Cystidia abundant, thick-walled, tapering, apical encrusted. Basidiospores ellipsoid, hyaline, thin-walled, smooth, usually bearing a guttule, IKI–, CB–, 3.9–5.1 × 2–2.5 µm.
SPECIMENS EXAMINED: Jilin Province, Antu County, Changbaishan Nat. Reserve, on *Populus*, 19.X.1993 Dai 1719 (IFP); on *Tilia*, 15.VIII.1997 Dai 2473a (IFP).
- Phanerochaete laevis*** (Pers. : Fr.) J. Erikss. & Ryvarden
Angiosperm; Sichuan (Maekawa et al. 2002)
- Phanerochaete martelliana*** (Bres.) J. Erikss. & Ryvarden
Angiosperm; Sichuan (Maekawa et al. 2002)
- Phanerochaete ravenelii*** (Cooke) Burds.
syn. *Phlebiopsis ravenelii* (Cooke) Hjortstam
syn. *Peniophora ravenelii* Cooke
syn. *Corticium auberianum* Mont.
Angiosperm; Guangdong, Guangxi, Henan, Hunan, Jiangsu, Shanxi, Yunnan, Zhejiang (Ying 1980, Zang 1980, Bi et al. 1994, Teng 1996)
- Phanerochaete sanguinea*** (Fr.) Pouzar
syn. *Peniophora sanguinea* (Fr.) Höhn. & Litsch.
Angiosperm, *Quercus*; Sichuan (Ying 1980, Maekawa et al. 2002)
- Phanerochaete sordida*** (P. Karst.) J. Erikss. & Ryvarden
syn. *Corticium scutellare* Berk. & M.A. Curtis
syn. *Peniophora cremea* (Bres.) Bourdot & Galzin
Angiosperm, gymnosperm, *Pinus*; Fujian, Guangdong, Guangxi, Guizhou, Hainan, Jiangsu, Sichuan, Xizang, Yunnan, Zhejiang (Ying 1980, Zang 1980, Bi et al. 1994, Maekawa & Zang 1995, Teng 1996, Maekawa et al. 2002)
- Phanerochaete velutina*** (DC. : Fr.) P. Karst.
syn. *Peniophora velutina* (DC.) Cooke
Quercus; Anhui, Guangxi, Guizhou, Jiangsu, Jiangxi, Liaoning, Shaanxi, Yunnan, Zhejiang (Ying 1980, Zang 1980, Teng 1996)
- Phanerochaete viticola*** (Schwein. : Fr.) Parmasto
syn. *Peniophora viticola* (Schwein.) Höhn. & Litsch.
syn. *Thelephora viticola* Schwein.
Rhododendron, *Sorbus*; Guangxi, Jilin, Sichuan (Ying 1980, Bi et al. 1994, Maekawa et al. 2002)
- Phellodon confluens*** (Pers.) Pouzar
syn. *Calodon amicus* (Quél.) Quél.
syn. *Hydnum amicum* Quél.
Wood; Anhui, Hubei, Jilin, Shaanxi, Sichuan (Zhang 1989, Li 1991, Teng 1996)
- Phellodon niger*** (Fr.) P. Karst.
Wood; Guangdong (Bi et al. 1994)
- Phellodon tomentosus*** (L.) Banker
syn. *Calodon cyathiformis* (Schaeff.) Quél.
syn. *Calodon zonatus* (Batsch) P. Karst.
syn. *Hydnum cyathiforme* Schaeff.
syn. *Hydnum zonatum* Batsch
Wood; Anhui, Gansu, Guangdong, Guangxi, Jiangxi, Jilin, Sichuan, Xizang, Yunnan (Patouillard 1893, Li 1991, Bi et al. 1994, Teng 1996)
- Phlebia acerina*** Peck
syn. *Merulius nothofagi* G. Cunn.
Angiosperm, *Quercus*; Shaanxi, Sichuan (Ying 1980, Maekawa et al. 2002)
- Phlebia albida*** H. Post
Picea; Sichuan, Yunnan (Maekawa & Zang 1995, Maekawa et al. 2002)
- Phlebia aurea*** (Fr.) Nakasone
syn. *Mycoacia aurea* (Fr.) Boidin
Angiosperm; Yunnan (Maekawa & Zang 1995)
- Phlebia chrysocreas*** (Berk. & M.A. Curtis) Burds.
syn. *Corticium chrysocreas* Berk. & M.A. Curtis
Wood; Fujian, Guangxi (Ying 1980)
- Phlebia fuscoatra*** (Fr.) Nakasone
syn. *Mycoacia fuscoatra* (Fr.) Donk
Angiosperm; Sichuan (Maekawa et al. 2002)
- Phlebia gigantea*** (Fr. : Fr.) Donk
syn. *Phanerochaete gigantea* (Fr.) S.S. Rattan, Abdullah & Ismail
syn. *Phlebiopsis gigantea* (Fr. : Fr.) Jülich
syn. *Peniophora gigantea* (Fr. : Fr.) Masee
Larix, *Picea*, *Pinus*; Fujian, Guangdong, Guangxi, Hunan, Jilin, Yunnan (Bi et al. 1994, Maekawa & Zang 1995, Teng 1996)
- Phlebia heterocystidia*** Sheng H. Wu
Angiosperm; Sichuan (Maekawa et al. 2002)
- Phlebia lilascens*** (Bourdot) J. Erikss. & Hjortstam
Pinus, *Quercus*; Sichuan, Yunnan (Maekawa & Zang 1995, Maekawa et al. 2002)
- Phlebia livida*** (Pers. : Fr.) Bres.
Picea, *Quercus*; Sichuan (Maekawa et al. 2002)
- Phlebia pellucida*** Hjortstam & Ryvarden
Larix; Jilin (Hjortstam & Ryvarden 1988)
- Phlebia radiata*** Fr.
Betula, *Quercus*, *Salix*; Guangxi, Heilongjiang, Jilin, Sichuan, Xizang (Zang 1980, Hjortstam & Ryvarden 1988, Li 1991, Teng 1996)
- Phlebia rufa*** (Pers. : Fr.) M.P. Christ.

- syn. *Merulius rufus* Pers.
Angiosperm; Jilin, Shanxi (Pilát 1940, Hjortstam & Ryvarde 1988)
- Phlebia tremellosa*** (Schrad.) Nakasone & Burds.
syn. *Merulius tremellosus* Schrad.
Betula, *Populus*, *Tilia*; Anhui, Beijing, Guangxi, Guizhou, Hebei, Heilongjiang, Inner Mongolia, Jilin, Liaoning, Shaanxi, Sichuan, Xizang, Yunnan, Zhejiang (Patouillard 1890, Patouillard 1895, Pilát 1940, Zang 1980, Zhang 1989, Li 1991, Teng 1996, Zhang 1997)
- Phlebia vassilkovii*** Parmasto
Acer; Jilin (Hjortstam & Ryvarde 1988)
- Phlebiella allantospora*** (Oberw.) K.H. Larss. & Hjortstam
Angiosperm, *Pinus*; Sichuan (Maekawa *et al.* 2002)
- Phlebiella grisella*** (Bourdot) K.H. Larss. & Hjortstam
Quercus; Sichuan (Maekawa *et al.* 2002)
- Phlebiella insperata*** (H.S. Jacks.) Ginns & M.N.L. Lefebvre
Angiosperm; Sichuan, Yunnan (Maekawa & Zang 1995, Maekawa *et al.* 2002)
- Phlebiella sulphurea*** (Pers. : Fr.) Ginns & M.N.L. Lefebvre
syn. *Trechispora vaga* (Fr.) Libert
Rhododendron, wood; Jilin, Yunnan (Maekawa & Zang 1995, Hjortstam & Ryvarde 1988)
- Phlebiella tulasnelloidea*** (Höhn. & Litsch.) Ginns & M.N.L. Lefebvre
syn. *Corticium incanum* Burt
Abies, angiosperm, *Cryptomeria*, *Quercus*; Sichuan (Bi *et al.* 1994, Maekawa *et al.* 2002)
- Piloderma byssinum*** (P. Karst.) Jülich
Angiosperm, *Pinus*; Jilin, Sichuan (Hjortstam & Ryvarde 1988, Maekawa *et al.* 2002)
- Piloderma fallax*** (Lib.) Stalpers
syn. *Piloderma croceum* J. Erikss. & Hjortstam
syn. *Corticium bicolor* Peck
Angiosperm, *Pinus*; Fujian, Jiangsu, Jiangxi, Xizang, Yunnan (Zang 1980, Maekawa & Zang 1995, Teng 1996)
- Piloderma lanatum*** J. Erikss. & Hjortstam
Wood; Jilin (Hjortstam & Ryvarde 1988)
- Plicatura crispa*** (Pers. : Fr.) Rea
syn. *Plicaturopsis crispa* (Pers. : Fr.) D.A. Reid
syn. *Plicatura faginea* (Schrad.) P. Karst.
Angiosperm; Jilin, Sichuan (Pilát 1940, Hjortstam & Ryvarde 1988, Maekawa *et al.* 2002)
- Plicatura nivea*** (Fr.) P. Karst.
syn. *Merulius niveus* Fr.
Angiosperm; Guangdong (Bi *et al.* 1994)
- Podoscypha caespitosa*** (Burt) Boidin
syn. *Stereum caespitosum* Burt
Bambusa; Guangdong (Bi *et al.* 1994)
- Podoscypha elegans*** (G. Meyer) Pat.
syn. *Stereum elegans* (G. Meyer) Fr.
Ground; Fujian, Guizhou, Hainan, Yunnan (Guo 1987a, Teng 1996)
- Podoscypha glabrescens*** (Berk. & M.A. Curtis) Boidin
Wood; Fujian (Guo 1987a)
- Podoscypha involuta*** (Klotzsch) Imazeki
syn. *Lloydella involuta* (Klotzsch) Bres.
Wood; Guangxi, Hainan, Yunnan (Zang 1980, Guo 1987a, Teng 1996)
- Podoscypha mellisii*** (Berk. *ex* Sacc.) Bres.
Wood; Guangxi, Hainan (Guo 1987a)
- Podoscypha nitidula*** (Berk.) Pat.
syn. *Stereum nitidulum* Berk.
Ground or wood; Hainan, Jiangsu, Yunnan (Zang 1980, Guo 1987a, Teng 1996)
- Podoscypha philippinensis*** D.A. Reid
Angiosperm; Guangdong (Bi *et al.* 1994)
- Podoscypha venustula*** (Speg.) D.A. Reid
syn. *Stereum affine* Lév.
Wood; Guangxi, Hainan, Yunnan (Zang 1980, Guo 1987a, Teng 1996)
- Porostereum papyrina*** (Mont.) Hjortstam & Ryvarde
syn. *Lopharia papyrina* (Mont.) Boidin
syn. *Lloydella papyrina* (Mont.) Bres.
Angiosperm; Hainan, Sichuan, Xizang, Yunnan (Zang 1980, Guo 1987a, Teng 1996)
- Porostereum spadiceum*** (Pers. : Fr.) Hjortstam & Ryvarde
syn. *Stereum spadiceum* Pers. : Fr.
Wood; Yunnan (Patouillard 1890, Wu 2002)
- Pseudomerulius aureus*** (Fr.) Jülich
syn. *Merulius aureus* Fr.
Pinus; Anhui, Hunan, Jilin, Sichuan, Yunnan (Ying 1980, Hjortstam & Ryvarde 1988, Maekawa & Zang 1995, Teng 1996)
- Pulcherricium caeruleum*** (Fr.) Parmasto
Angiosperm, *Keteleeria*, *Pinus*; Sichuan, Yunnan (Maekawa & Zang 1995, Maekawa *et al.* 2002)
- Punctularia strigosozonata*** (Schwein.) P.H.B. Talbot
syn. *Phlebia strigosozonata* (Schwein.) Lloyd
syn. *Stereum strigosozonatum* (Schwein.) G. Cunn.
Angiosperm, *Quercus*; Guangdong, Hunan, Jilin, Sichuan, Yunnan (Li 1991, Maekawa & Zang 1995, Maekawa *et al.* 2002)
- Radulodon licentii*** (Pilát) Ryvarde
syn. *Mycocleptodon licentii* Pilát
Quercus; Jilin, Liaoning, Shanxi (Pilát 1940)
- Radulomyces confluens*** (Fr. : Fr.) M.P. Christ.
syn. *Corticium confluens* (Fr.) Fr.
Angiosperm; Jilin, Shanxi, Sichuan (Pilát 1940, Hjortstam & Ryvarde 1988, Maekawa *et al.* 2002)
- Radulomyces copelandii*** (Pat.) Hjortstam & Spooner
syn. *Oxydonta copelandii* (Pat.) S. Ito
Angiosperm; Hubei, Jilin, Shanxi (Ying 1980, Zhang 1989, Li 1991)
- Repetobasidium erikssii*** Oberw.
Pinus; Yunnan (Maekawa & Zang 1995)
- Resinicium bicolor*** (Alb. & Schwein. : Fr.) Parmasto
syn. *Odontia bicolor* (Alb. & Schwein.) Qué.
Angiosperm, gymnosperm, *Pinus*; Guangdong, Guangxi, Hainan, Jilin, Sichuan, Yunnan (Hjortstam & Ryvarde 1988, Maekawa & Zang 1995, Maekawa *et al.* 2002)
- Resinicium furfuraceum*** (Bres.) Parmasto
Wood; Jilin (Hjortstam & Ryvarde 1988)
- Sarcodon amarescens*** (Qué.) Qué.
Wood; Anhui (Teng 1996)
- Sarcodon atroviridis*** (Morgan) Banker
syn. *Hydnum atroviride* Morgan
Wood; Guangdong, Yunnan, Zhejiang (Bi *et al.* 1994, Teng 1996)
- Sarcodon fuligineoviolaceus*** (Kalchbr.) Pat.

- Wood; Sichuan, Yunnan (Zang 1980, Teng 1996)
- Sarcodon imbricatus** (L.) P. Karst.
syn. *Hydnum imbricatum* L.
syn. *Hydnum squamosum* Schaeff.
Wood; Anhui, Gansu, Guangdong, Jilin, Sichuan, Xinjiang, Xizang, Yunnan (Zang 1980, Li 1991, Bi et al. 1994, Teng 1996)
- Sarcodon thwaitesii** (Berk. & Broome) Maas Geest.
syn. *Hydnum thwaitesii* Berk. & Broome
Ground; Guangdong (Bi et al. 1994)
- Scopuloides hydroides** (Cooke & Masee) Hjortstam & Ryvarden
syn. *Odontia hydroides* (Cooke & Masee) Höhn.
Angiosperm; Shaanxi, Sichuan (Pilát 1940, Maekawa et al. 2002)
- Scytinostroma duriusculum** (Berk. & Broome) Donk
syn. *Stereum duriusculum* Berk. & Broome
Angiosperm, *Hevea*; Anhui, Guangdong, Hainan, Hebei, Jiangsu, Jilin, Yunnan (Li 1991, Bi et al. 1994, Teng 1996)
- ***Scytinostroma galactinum** (Fr.) Donk
Basidiocarp annual, resupinate; hymenophore smooth, cream. Hyphal system dimitic, generative hyphae with clamp connections, skeletal hyphae thick-walled, frequently branched, dextrinoid, CB+. Cystidia absent. Basidiospores ellipsoid, hyaline, thin-walled, smooth, IKI-, CB-, 4–5.1 × 2.1–3 µm.
SPECIMENS EXAMINED: Jilin Province, Antu County, Changbaishan Nat. Reserve, on *Abies*, 4.IX.1993 *Dai* 1040 (IFP); on *Pinus*, 12.VIII.1997 *Dai* 2377 (IFP).
- Scytinostroma ochroleucum** (Bres. & Torrend) Donk
syn. *Corticium abeuns* Burt
Wood; Jiangsu (Teng 1996)
- Scytinostroma portentosum** (Berk. & M.A. Curtis) Donk
syn. *Corticium portentosum* Berk. & M.A. Curtis
Angiosperm; Guangdong, Guangxi, Jilin, Shaanxi (Pilát 1940, Ying 1980, Hjortstam & Ryvarden 1988, Bi et al. 1994, Teng 1996)
- Serpula himantoides** (Fr. : Fr.) P. Karst.
Abies, *Larix*, *Pinus*; Jilin (Hjortstam & Ryvarden 1988)
- Serpula lacrymans** (Wulfen) P. Karst.
syn. *Boletus lacrymans* Wulfen
syn. *Gyrophana lacrymans* (Wulfen) Pat.
syn. *Merulius lacrymans* (Wulfen) Schumach.
Abies; Guangdong, Heilongjiang, Jilin, Liaoning, Sichuan, Xinjiang, Yunnan (Siuzev 1910, Li 1991, Bi et al. 1994, Teng 1996)
- Serpula similis** (Berk. & Broome) Ginns
syn. *Gyrophana pseudolacrymans* (Henn.) Teng
Bambusa; Guangdong, Guizhou, Yunnan (Teng 1996)
- Sistotrema athelioides** Hallenb.
Acer, *Betula*; Jilin, Yunnan (Hjortstam & Ryvarden 1988, Maekawa & Zang 1995)
- Sistotrema brinkmannii** (Bres.) J. Erikss.
syn. *Grandinia brinkmannii* (Bres.) Bourdot & Galzin
Abies, angiosperm, *Betula*; Guangdong, Guizhou, Sichuan, Yunnan (Ying 1980, Bi et al. 1994, Maekawa & Zang 1995, Maekawa et al. 2002)
- Sistotrema confluens** (Pers. : Fr.) Fr.
Pinus; Yunnan (Maekawa & Zang 1995)
- Sistotrema coronilla** (Hobni. & Litsch.) Donk
Picea; Sichuan (Maekawa et al. 2002)
- Sistotrema estonicum** Parmasto
Twig; Sichuan (Maekawa et al. 2002)
- Sistotrema microsporium** N. Maek.
Angiosperm; Sichuan (Maekawa et al. 2002)
- Sistotrema oblongisporum** M.P. Christ. & Hauerslev
Angiosperm; Sichuan (Maekawa et al. 2002)
- Sistotremastrum niveocremaeum** (Höhn. & Litsch.) J. Erikss.
Gymnosperm; Jilin (Hjortstam & Ryvarden 1988)
- Sistotremastrum suecicum** Litsch. ex J. Erikss.
syn. *Corticium calceum* (Pers.) Fr.
Angiosperm, *Pinus*; Guangdong, Sichuan (Patouillard 1890, Bi et al. 1994, Maekawa et al. 2002)
- Sistotremella perpusilla** Hjortstam
Angiosperm; Sichuan (Maekawa et al. 2002)
- Sparassis crispa** (Wulfen) Fr.
Larix, *Pinus*; Hebei, Heilongjiang, Jilin, Shaanxi, Yunnan (Zang 1980, Li 1991, Teng 1996)
- Sphaerobasidium minutum** (J. Erikss.) Oberw. ex Jülich
Pinus; Sichuan, Yunnan (Maekawa & Zang 1995, Maekawa et al. 2002)
- Steccherinum adustum** (Schwein.) Maas Geest.
syn. *Mycorrhaphium adustum* (Schwein.) Banker
Betula; Guangdong, Hainan, Heilongjiang, Jilin (Hjortstam & Ryvarden 1988, Li 1991, Bi et al. 1994, Teng 1996)
- Steccherinum fimbriatum** (Pers. : Fr.) J. Erikss.
syn. *Odontia fimbriata* Pers.
Angiosperm; Guangdong, Hunan (Bi et al. 1994, Teng 1996)
- Steccherinum helvolum** (Zipp. ex Lév.) S. Ito
Wood; Guangdong, Guangxi (Bi et al. 1994, Teng 1996)
- Steccherinum laeticolor** (Berk. & M.A. Curtis.) Banker
Populus; Jilin (Hjortstam & Ryvarden 1988)
- Steccherinum mukhinii** Kortiranta & Y.C. Dai
Abies; Jilin (Kotiranta & Mukhin 1998)
- Steccherinum murashkinskyi** (Burt) Maas Geest.
Betula; Jilin (Kotiranta & Mukhin 1998, 15.IX.1998 *Dai* 2938 & Niemelä in IFP)
- Steccherinum ochraceum** (Pers. : Fr.) Gray
Angiosperm, *Betula*; Anhui, Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hebei, Heilongjiang, Hubei, Jiangsu, Jiangxi, Jilin, Liaoning, Shaanxi, Shanxi, Sichuan, Yunnan, Zhejiang (Zhang 1989, Li 1991, Bi et al. 1994, Teng 1996)
- Steccherinum queletii** (Bourdot & Galzin) Hallenb. & Hjortstam
syn. *Phlebia queletii* (Bourdot & Galzin) M.P. Christ.
syn. *Odontia queletii* Bourdot & Galzin
Angiosperm; Guangdong, Hainan, Hubei, Shaanxi (Ying 1980, Zhang 1989, Bi et al. 1994, Teng 1996)
- Steccherinum rawakense** (Pers.) Banker
Angiosperm; Guangdong, Guangxi, Hainan, Jilin, Xizang (Li 1991, Bi et al. 1994, Teng 1996)
- Stereopsis burtiana** (Peck) D.A. Reid
syn. *Stereum burtianum* Peck
Wood; Sichuan, Yunnan (Guo 1987b, Teng 1996)
- Stereopsis crassipileata** Z.T. Guo
Ground; Hainan (Guo 1987b)
- Stereopsis gracilistipitata** Z.T. Guo
Ground; Fujian, Sichuan (Guo 1987b)

- Stereopsis hircens*** (Berk. & Ravenel) D.A. Reid
Ground; Sichuan (Guo 1987b)
- Stereopsis pseudocupulata*** Z.T. Guo
Ground; Hainan (Guo 1987b)
- Stereopsis vitellina*** (Plowr.) D.A. Reid
Ground or wood; Beijing (Guo 1987b)
- Stereum complicatum*** (Fr.) Fr.
Wood; Gansu, Sichuan, Xizang (Guo 1987b)
- Stereum durum*** Lloyd
Wood; Guangxi, Hainan (Teng 1996)
- Stereum gausapatum*** (Fr.) Fr.
syn. *Haematostereum gausapatum* (Fr.) Pouzar
Quercus; Anhui, Beijing, Fujia, Gansu, Guangdong, Guangxi, Hainan, Hebei, Hunan, Jiangsu, Jiangxi, Jilin, Shaanxi, Shanxi, Sichuan, Xizang, Yunnan, Zhejiang (Pilát 1940, Zang 1980, Guo 1987a, Teng 1996)
- Stereum hirsutum*** (Willd. : Fr.) Pers.
Betula, *Prunus*, *Quercus*; Anhui, Beijing, Fujian, Gansu, Guangxi, Guizhou, Hainan, Hebei, Heilongjiang, Hunan, Jiangsu, Jilin, Ningxia, Shaanxi, Shanghai, Shanxi, Sichuan, Xinjiang, Yunnan, Zhejiang (Pilát 1940, Zang 1980, Guo 1987b, Li 1991, Bi *et al.* 1994, Teng 1996)
- Stereum insigne*** Bres.
Quercus; Hebei, Zhejiang (Teng 1996)
- Stereum ostrea*** (Blume & Nees) Fr.
syn. *Stereum australe* Lloyd
syn. *Stereum fasciatum* (Schwein.) Fr.
syn. *Stereum lobatum* (Kunze ex Fr.) Fr.
Betula, *Quercus*; Anhui, Fujian, Guangdong, Guangxi, Guizhou, Hainan, Henan, Jiangsu, Sichuan, Yunnan, Zhejiang (Pilát 1940, Zang 1980, Guo 1987b, Bi *et al.* 1994, Teng 1996)
- Stereum pekinense*** Imazeki
Beijing (Imazeki 1943)
- Stereum rugosum*** Pers. : Fr.
syn. *Haematostereum rugosum* (Pers.) Pouzar
Wood; Shanxi (Guo 1987a)
- Stereum sanguinolentum*** (Alb. & Schwein. : Fr.) Fr.
syn. *Haematostereum sanguinolentum* (Alb. & Schwein. : Fr.) Pouzar
Abies, *Picea*, *Tsuga*; Fujian, Gansu, Inner Mongolia, Jilin, Qinghai, Shaanxi, Shanxi, Sichuan, Yunnan (Karsten 1892, Pilát 1940, Guo 1987a, Li 1991, Teng 1996)
- Stereum subtomentosum*** Pouzar
Acer, angiosperm, *Betula*, *Tilia*, *Ulmus*; Beijing, Heilongjiang, Jilin, Liaoning (Hjortstam & Ryvarden 1988)
- Stereum vellereum*** Berk.
Angiosperm; Beijing, Fujian, Guangxi, Hainan, Hebei, Jiangxi, Xizang, Yunnan (Zang 1980, Guo 1987b, Teng 1996)
- Subulicystidium longisporum*** (Pat.) Parmasto
syn. *Peniophora longispora* (Pat.) Bourdot & Galzin
Angiosperm, *Larix*; Jilin, Sichuan, Yunnan (Hjortstam & Ryvarden 1988, Maekawa & Zang 1995, Teng 1996, Maekawa *et al.* 2002)
- Subulicystidium perlongisporum*** Boidin & Gilles
Angiosperm; Sichuan, Yunnan (Maekawa & Zang 1995, Maekawa *et al.* 2002)
- Suillosporium cystidiatum*** (D.P. Rogers) Pouzar
Gymnosperm; Jilin (Hjortstam & Ryvarden 1988)
- Thelephora amboinensis*** Lév.
Ground; Hainan, Yunnan (Zang 1980, Teng 1996)
- Thelephora anthocephala*** (Bull.) Fr.
Wood; Gansu (Teng 1996)
- Thelephora mollissima*** Pers.
Wood; Fujian, Jiangsu (Teng 1996)
- Thelephora multipartita*** Schwein.
Wood or ground; Anhui, Fujian, Guangdong, Hainan, Hebei, Hunan, Jiangsu, Jiangxi, Jilin, Zhejiang (Li 1991, Bi *et al.* 1994, Teng 1996)
- Thelephora penicillata*** (Pers.) Fr.
syn. *Thelephora fimbriata* (Schwein.) Fr.
Wood; Jiangsu (Teng 1996)
- Thelephora radiata*** Fr.
Wood; Gansu, Guangdong, Qinghai, Shaanxi, Shanghai, Sichuan, Xizang, Yunnan (Zang 1980, Bi *et al.* 1994, Teng 1996)
- Thelephora soluta*** (Ces.) Lloyd
Wood; Hainan, Yunnan (Zang 1980, Teng 1996)
- Thelephora terrestris*** Ehrh.
Wood or ground; Heilongjiang, Jiangsu, Jilin, Xizang, Yunnan (Li 1991, Teng 1996)
- Thelephora trachycarpusata*** (Scop.) Fr.
Wood; Anhui, Gansu, Guangdong, Hainan, Heilongjiang, Jiangsu, Jiangxi, Yunnan (Teng 1996)
- Thelephora vialis*** Schwein.
Wood or ground; Anhui, Fujian, Guangdong, Guizhou, Hainan, Jiangsu, Jiangxi, Qinghai, Shanghai, Sichuan, Yunnan, Zhejiang (Bi *et al.* 1994, Teng 1996)
- Tomentella cinerascens*** (P. Karst.) Höhn. & Litsch.
Wood; Guangdong (Bi *et al.* 1994)
- Tomentella crinalis*** (Fr.) M.J. Larsen
syn. *Galdesiella ferruginosa* (Pers. : Fr.) Sacc.
Acer, angiosperm, *Populus*, *Tilia*; Hebei, Heilongjiang, Jilin (Ying 1980)
- Trechispora alnicola*** (Bourdot & Galzin) Liberta
Angiosperm, *Pinus*; Sichuan, Yunnan (Maekawa & Zang 1995, Maekawa *et al.* 2002)
- Trechispora cohaerens*** (Schwein.) Jülich & Stalpers
Angiosperm, gymnosperm; Jilin Sichuan (Hjortstam & Ryvarden 1988, Maekawa *et al.* 2002)
- Trechispora farinacea*** (Pers. : Fr.) Liberta
syn. *Grandinia farinacea* (Pers.) Bourdot & Galzin
Angiosperm, *Pinus*; Guangdong, Jiangxi, Jilin, Sichuan, Yunnan (Hjortstam & Ryvarden 1988, Ying 1980, Bi *et al.* 1994, Maekawa & Zang 1995, Maekawa *et al.* 2002)
- Trechispora microspora*** (P. Karst.) Liberta
syn. *Grandinia microspora* P. Karst.
Cones of *Pinus*; Guangxi (Ying 1980)
- Trechispora polygonospora*** Ryvarden
Angiosperm; Guangdong (Bi *et al.* 1994)
- Trechispora subsphaerospora*** (Litsch.) Liberta
Angiosperm; Sichuan (Maekawa *et al.* 2002)
- Tubulicium raphidosporum*** (Boidin & Gilles) Oberw.
Angiosperm, *Bambusa*; Yunnan (Wu 2002)
- Tubulicium vermiferum*** (Bourdot) Oberw. ex Jülich
Eucalyptus; Yunnan (Wu 2002)
- Tubulicrinis calothrix*** (Pat.) Donk
Pinus; Fujian, Sichuan, Yunnan (Ying 1980, Maekawa &

- Zang 1995, Maekawa *et al.* 2002)
- Tubulicrinis chaetophorus*** (Hohn.) Donk
Wood; Sichuan (Maekawa *et al.* 2002)
- Tubulicrinis cinctus*** G. Cunn.
Gymnosperm; Sichuan (Maekawa *et al.* 2002)
- Tubulicrinis gracillimus*** (D.P. Rogers & H.S. Jacks.) G. Cunn.
Betula, *Pinus*; Sichuan, Yunnan (Maekawa & Zang 1995, Maekawa *et al.* 2002)
- Tubulicrinis sceptrifera*** (H.S. Jacks. & Weresub) Donk
Abies; Jilin (Hjortstam & Ryvarden 1988)
- Tubulicrinis subulatus*** (Bourdote & Galzin) Donk
Pinus; Sichuan, Yunnan (Maekawa & Zang 1995, Maekawa *et al.* 2002)
- Tylospora asterophora*** (Bonord.) Donk
Wood; Jilin (Hjortstam & Ryvarden 1988)
- Varia investiens*** (Schwein.) P. Karst.
Wood; Fujian, Guangdong, Guangxi, Sichuan, Yunnan (Ying 1980, Bi *et al.* 1994, Teng 1996)
- Varia racemosa*** (Burt) D.P. Rogers & H.S. Jacks.
Wood; Guangdong (Bi *et al.* 1994)
- Veluticeps abietina*** (Pers. : Fr.) Hjortstam & Telleria
syn. *Lloydella abietina* (Pers.) S. Ito
syn. *Lopharia abietina* (Pers.) Z.S. Bi & G.Y. Zheng
syn. *Columnocystis abietina* (Pers.) Pouzar
Abies, *Cunninghamia*, *Picea*; Gansu, Guangdong, Hebei, Heilongjiang, Jilin, Ningxia, Shanxi, Sichuan, Yunnan (Ying 1980, Guo 1986, Teng 1996)
- Xenasma rimicolum*** (P. Karst.) Donk
Angiosperm; Sichuan (Maekawa *et al.* 2002)
- Xenasma pruinatum*** (Pat.) Donk
Wood; Jilin (Hjortstam & Ryvarden 1988)
- Xylobolus annosus*** (Berk. & Broome) Boidin
syn. *Stereum annosum* Berk. & Broome
Wood; Guangxi, Hainan, Yunnan (Guo 1987b, Teng 1996)
- Xylobolus frustulatus*** (Pers. : Fr.) Boidin
syn. *Stereum frustulosum* Fr.
Quercus; Guangxi, Hainan, Jilin, Yunnan (Guo 1987b, Hjortstam & Ryvarden 1988, Teng 1996)
- Xylobolus illudens*** (Berk.) Boidin
syn. *Haematostereum illudens* (Berk.) Z.T. Guo
syn. *Stereum illudens* Berk.
Gymnosperm, *Pinus*; Gansu, Guangdong, Guangxi, Hainan (Guo 1987a, Bi *et al.* 1994, Teng 1996)
- Xylobolus princeps*** (Jungh.) Boidin
syn. *Stereum princeps* (Jungh.) Lév.
Quercus; Guangdong, Guangxi, Hainan, Hebei, Sichuan, Xizang, Yunnan, Zhejiang (Guo 1987b, Bi *et al.* 1994, Teng 1996)
- Xylobolus spectabilis*** (Klotzsch) Boidin
syn. *Haematostereum spectabile* (Klotzsch) Z.T. Guo
syn. *Stereum radiatofissum* Berk. & Broome
syn. *Stereum spectabile* Klotzsch
Angiosperm; Fujian, Guangdong, Guangxi, Hainan, Hunan (Guo 1987a, Li 1991, Bi *et al.* 1994, Teng 1996)
- Xylobolus subpileatus*** (Berk. & M.A. Curtis) Boidin
syn. *Lloydella subpileata* (Berk. & M.A. Curtis) Höhn. & Litsch.
Quercus; Beijing, Gansu, Xizang, Yunnan (Guo 1987b, Teng 1996)

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