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M. A. Safonov**Check list of wood-destroying basidiomycetes of Orenburg Cisurals (Russia)***

The article presents the results of perennial research of wood-destroying basidiomycetes species of the Southern Urals within the Orenburg region. It shows the distribution in the region and substrate specialization of 307 species in 121 genera and 43 families belonging to 11 orders of the class Agaricomycetes of the division Basidiomycota. The results of taxonomic analysis of the mycobiota are given.

Key words: wood-destroying fungi, check list, substrate specialization, the Southern Cisurals, Orenburg region.

The Ural mountains are situated in central Russia, dividing its European and Asian parts. It is possible to name the territory adjoining the mountains as Cisurals. Southern Cisurals is situated in the southeast of the European part of Russia and according to administrative-territorial division belongs to the Orenburg region. It is on a joint of large physical-geographical areas, such as East European Plain, Caspian Depression, and the Ural mountains. It accounts for the presence of different types of species in its biota — European, Middleasian, Siberian etc.

The diversity of its biota is also determined by its location within two nature-climate zones — forest-steppe and steppe. A rather small piece of latitude gradient may boast of meadow steppes with sites of broad-leaved forests, herb-grass steppes, smoothly turning into dry steppe ecosystems.

Due to the continental climate and the history of plant cover formation [17], the Southern Cisurals is predominantly a steppe region. The percentage of forest land varies from 8—15% in the Northern regions up to 1.5—4% in the South. The broad-leaved forests are represented by oakeries with *Quercus robur* L.; by woods with *Acer platanoides* L., *Tilia cordata* Mill., *Ulmus glabra* Huds., *U. laevis* Pall.; by woods with *Betula pendula* Roth., *Populus tremulae* L.; by river woods with *Alnus glutinosa* (L.) Gaertn., *A. incana* (L.) Moench, *Populus nigra* L., *P. alba* L., *Lonicera tatarica* L. etc. Only 10% of the territory is occupied by the coniferous forests of the Holocene age and homogeneous forests *Pinus sylvestris* L. The region has a distributional limit of some woody plants, such as *Quercus robur*, *Acer platanoides*, *Tilia cordata*, *Ulmus glabra*, *Alnus incana* and some others.

The specificity of the regional environmental conditions affects the mycobiota diversity, in particular species of wood-destroying basidiomycetes. Xylotrophic macromycetes are represented by species with different basidiomycete types (corticoid, atheloid, stereoid, xenasmatoïd, poroid, agaricoid etc.), that play an important functional role in forest ecosystems, as they effectively destroy wood, providing circuit of substance in the ecosystems [3, 22].

Prior to our research there were only fragmentary data on the composition of the mycobiota of the Southern Cisurals, cited in the works of A. S. Bondartsev [1], S. I. Vanin [23, 24] and Y. V. Sinadskiy [21], M. V. Davydenko [5, 6] concerning fungi of Buzuluk pine wood (“Buzulukskiy Bor”); P. P. Vorontsovskiy [25], who described mushrooms of Orenburg environs. In general they described 36 species of macromycetes, of which 12 belonged to wood-destroying fungi. We started in 1993 and focused our studies on mycobiota of the region, as a result of which we

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significantly expanded the systematic list of species, which in 2006 consisted of 153 species of xylotrophic basidiomycetes [16]. However, further studies, including those conducted by other scientists, showed that the regional diversity of fungi of this group is significantly higher [8—11, 18—20, etc.].

Materials and methods. During expeditions of 1993—2014 wood-destroying basidial fungi of the Southern Cisurals were studied. The research method of total collecting of basidioms was implemented with the subsequent identification of samples with specialised keys [1, 2, 4, 7, 12—14].

The research covered all main types of Southern Cisurals forests in different parts of the region. As a result of further research more than 800 ha of forests of the region were surveyed and more than 8000 samples of aphyllophoroid fungi basidioms assembled.

To describe the systematic position of species and supra-species taxa, modern system of fungi within the international database “Index Fungorum” (April 2015) was used.

Results. The studies resulted in the compiled check list of wood-destroying fungi of the Southern Cisurals, amounting to 307 species from 121 geni and 43 families concerning 11 orders of class *Agaricomycetes*, phylum *Basidiomycota*. The list does not include the few representatives of the order *Auriculariales*, *Dacrymycetales*, *Tremellales*.

The largest orders are *Polyporales*, *Hymenochaetales*, *Agaricales*, *Russulales* (Tab. 1). The largest families are *Polyporaceae* (46), *Meruliaceae* (42), *Fomitopsidaceae* (33), *Hymenochaetaceae* (24), *Phanerochaetaceae* (23). The proportion of families with small species amount is 55.8%.

Table 1

Taxonomic structure of wood-destroying basidiomycetes of the Southern Cisurals

Order	Families	Geni	Species
<i>Agaricales</i>	11	18	37
<i>Atheliales</i>	1	6	11
<i>Boletales</i>	6	7	13
<i>Cantharellales</i>	1	1	1
<i>Corticiales</i>	1	3	3
<i>Gloeophyllales</i>	2	3	10
<i>Hymenochaetales</i>	4	15	45
<i>Polyporales</i>	9	55	151
<i>Russulales</i>	6	10	25
<i>Thelephorales</i>	1	2	10
<i>Trechisporales</i>	1	1	1
Total:	43	121	307

The largest geni are *Postia* (14), *Hyphodontia* (13), *Phlebia*, *Peniophora* (9), *Antrodia*, *Trametes*, *Tomentella* (8), *Phellinus*, *Polyporus*, *Pholiota*, *Hyphoderma*, *Phanerochaete* (7).

The check list of wood-destroying basidiomycetes of the Southern Cisurals is shown below. Each species entry contains data separated by signs «/»: latin name of taxon — genus of a substrate (latin name of a tree) / type of substrate/ area of distribution in the Southern Cisurals/ time of discovery (in case of single findings — exact date of a finding).

Wood-destroying fungi were marked on different types of substrate, which were described using the following abbreviations: LT — living trees, FT — fallen trees, DT — dry trees, DB — dead branches, S — stumps.

Within the Southern Cisurals we have identified several major areas on the basis of climatic zones, geobotanical features and climate types of mycobiota and mycogeographic districts previously designated during mycogeographic zoning of the region [15]. To name them the following abbreviations are used (Fig. 1): BF — boreal forests — zonal in limits of the Southern Urals, relict or artificial pine stands in the Southern Cisurals; EWS — European wood-steppe;

LHWS — low hills wood-steppe; MS — meadow steppe; TS — typical steppe; DS — dry steppe; FPF — floodplain forests; UF — urban forests.

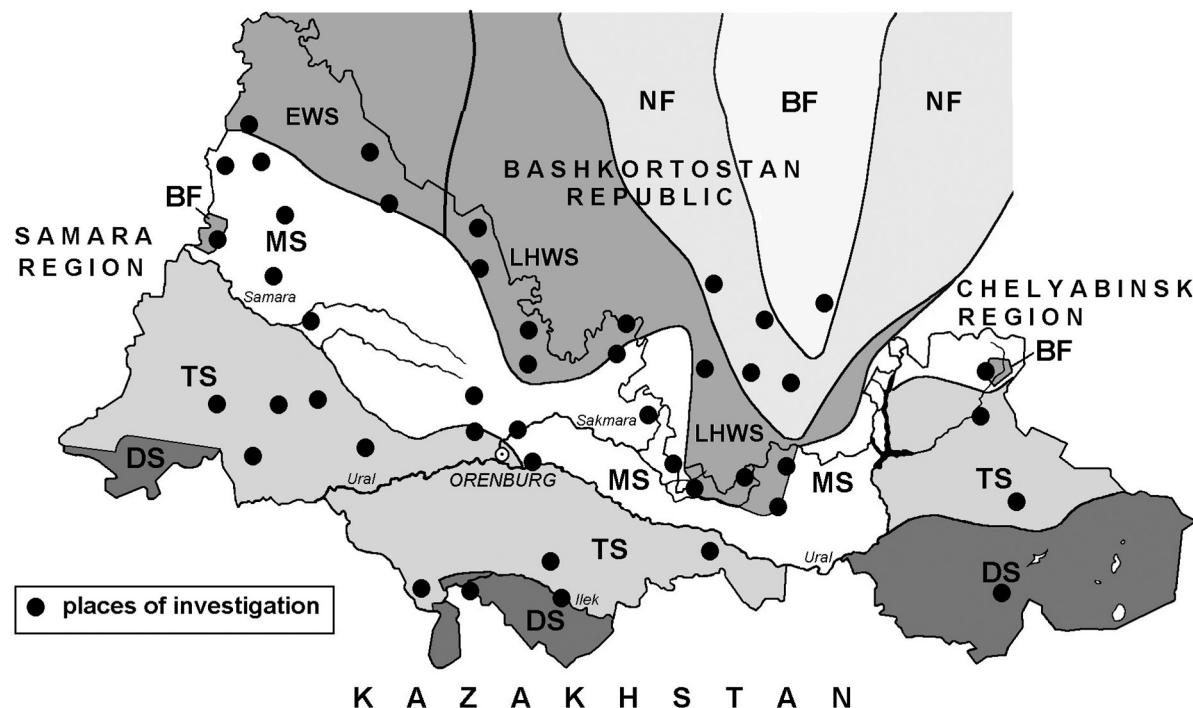


Fig. 1. Geobotanical division of the Southern Cisurals and the Southern Urals

LIST OF WOOD-DESTROYING BASIDIOMYCETES OF THE ORENBURG CISURALS

Class Agaricomycetes

Order Gloeophyllales

Family Gloeophyllaceae

Gloeophyllum sepiarium (Wulfen) P. Karst. — *Pinus sylvestris*, *Populus nigra* / FT / BF, FPF / VI—VII.

Gloeophyllum trabeum (Pers.) Murrill — *Populus tremulae* / FT / LHWS / 21.09.2013.

Family Incertae sedis

Oxyporus corticola (Fr.) Ryvarden — *Acer platanoides*, *Alnus incana*, *Betula pendula*, *Caragana arborescens*, *Malus domestica*, *Padus avium*, *Populus alba*, *Populus nigra*, *Populus tremulae*, *Quercus robur*, *Ulmus laevis* / DT, FT, DB / BF, EWS, LHWS, MS, TS, DS, FPF / V—X.

Oxyporus obducens (Pers.) Donk — *Acer platanoides*, *Betula pendula*, *Padus avium*, *Populus tremulae*, *Quercus robur*, *Ulmus laevis* / LT, FT, DB / BF, EWS, LHWS, TS, DS, FPF / VI—X.

Oxyporus populinus (Schumach.: Fr.) Donk — *Acer platanoides*, *Populus tremulae* / LT, DT / EWS, LHWS / VI—IX.

Peniophorella guttulifera (P. Karst.) K. H. Larss. — *Betula pendula*, *Populus tremulae* / DB / LHWS, MS, DS / 30.07.1995; 26.07.2007; 25.07.2012.

Peniophorella pallida (Bres.) K. H. Larss. — *Tilia cordata* / DB / LHWS / 24.08.2004.

Peniophorella praetermissa (P. Karst.) K. H. Larss. — *Betula pendula*, *Populus tremulae* / DB / EWS, DS / VII—VIII.

Peniophorella pubera (Fr.) P. Karst. — *Betula pendula*, *Pinus sylvestris*, *Tilia cordata*, *Ulmus laevis* / DB / LHWS, MS / VI—IX.

Peniophorella tsugae (Burt) K. H. Larss. — *Pinus sylvestris* / DB / MS / 22.07.2013.

Subclass Agaricomycetidae

Order Agaricales

Family Cyphellaceae

Chondrostereum purpureum (Pers.) Pouzar — *Acer platanoides*, *Alnus glutinosa*, *Alnus incana*, *Betula pendula*, *Malus domestica*, *Padus avium*, *Populus tremulae*, *Quercus robur*, *Salix alba*, *Tilia cordata*, *Ulmus laevis* / DT, FT, DB / BF, EWS, LHWS, FPF, MS, TS, DS / VI—XI.

Granulobasidium vellereum (Ellis & Cragin) Jülich — *Acer platanoides*, *Padus avium* / DB / FPF, LHWS / VII—IX.

Family Fistulinaceae

Fistulina hepatica (Schaeff.) Fr. — *Quercus robur* / LT, DT, S / LHWS, FPF / VIII—X.

Family Inocybaceae

Crepidotus luteolus Sacc. — *Acer platanoides*, *Betula pendula*, *Populus tremulae*, *Tilia cordata*, *Ulmus laevis* / DT, FT, DB / EWS, LHWS, MS, DS / VI—IX.

Crepidotus mollis (Schaeff.) Staude — *Acer platanoides*, *Alnus glutinosa*, *Alnus incana*, *Betula pendula*, *Padus avium*, *Populus tremulae*, *Quercus robur*, *Tilia cordata*, *Ulmus laevis* / DT, FT, DB / BF, EWS, LHWS, MS, FPF / VI—IX.

Crepidotus variabilis (Pers.) P. Kumm. — *Betula pendula*, *Padus avium*, *Populus tremulae* / DT, FT, DB / EWS, MS / VII—IX.

Family Mycenaceae

Panellus serotinus (Pers.) Kuhner — *Betula pendula*, *Salix alba*, *Pinus sylvestris* / FT, S / EWS, LHWS, FPF / 11.07.2008; 06.08.2008; 05.08.2011; 25.09.2011.

Panellus stipticus (Bull.) P. Karst. — *Acer platanoides*, *Betula pendula*, *Populus tremulae*, *Quercus robur*, *Salix alba*, *Tilia cordata*, *Ulmus laevis* / LT, FT, DT, DB / BF, EWS, LHWS, MS, TS, DS, FPF / VI—IX.

Family Physalacriaceae

Armillaria mellea (Vahl.) P. Kumm. — *Alnus glutinosa*, *Betula pendula*, *Pinus sylvestris*, *Quercus robur*, *Ulmus laevis* / LT, DT, FT, S / BF, LHWS, FPF / VII—X.

Cylindrobasidium laeve (Pers.) Chamuris — *Betula pendula* / DB / LHWS, DS / 05.09.2004; 13.07.2008.

Flammulina velutipes (Curtis) Singer — *Acer negundo*, *Alnus glutinosa*, *Betula pendula*, *Quercus robur*, *Ulmus laevis* / LT, DT, FT, DB, S / BF, LHWS, FPF, UF / (III)V—IX(XI).

Hymenopellis radicata (Relhan) R. H. Petersen — *Acer platanoides*, *Tilia cordata*, *Ulmus laevis* / FT, S, DB / EWS, LHWS / VI—VIII.

Family Pleurotaceae

Pleurotus calypratus (Lindbl. ex Fr.) Sacc. — *Populus nigra*, *Populus tremulae*, *Ulmus laevis* / LT, DT, FT, S / BF, EWS, LHWS, MS, TS, FPF / V—VII.

Pleurotus cornucopiae (Paulet) Rolland — *Acer platanoides*, *Betula pendula*, *Padus avium*, *Pinus sylvestris*, *Populus nigra*, *Populus tremulae*, *Quercus robur*, *Tilia cordata*, *Ulmus laevis* / DT, FT, DB, S / BF, EWS, LHWS, MS, DS / VI—X.

Pleurotus dryinus (Pers.) P. Kumm. — *Populus nigra* / FT / FPF / 15.06.1993; 17.09.2000.

Pleurotus ostreatus (Jacq.) P. Kumm. — *Acer platanoides*, *Alnus glutinosa*, *Betula pendula*, *Populus nigra*, *Populus tremulae*, *Ulmus laevis*, *Salix alba* / LT, DT, FT / BF, EWS, LHWS, TS, FPF / V, IX—X.

Pleurotus pulmonarius (Fr.) Quel. — *Acer platanoides, Betula pendula, Populus nigra, Populus tremulae, Quercus robur, Salix alba, Tilia cordata, Ulmus laevis* / DT, FT, S / BF, EWS, LHWS, TS, FPF / V—IX.

Family Pluteaceae

Pluteus cervinus (Schaeff.) P. Kumm. — *Acer platanoides, Betula pendula, Populus alba, Populus nigra, Populus tremulae, Quercus robur, Tilia cordata, Ulmus laevis* / DT, FT, S / BF, EWS, LHWS, MS, TS, FPF / VI—X.

Pluteus chrysophaeus (Schaeff.) Quel. — *Acer platanoides, Ulmus laevis* / FT / LHWS / 26.06.2000.

Pluteus pellitus (Pers.) P. Kumm. — *Acer platanoides, Betula pendula, Caragana arborescens, Quercus robur* / FT, S / EWS, LHWS, MS / VI—IX.

Pluteus tomentosulus Peck. — *Alnus glutinosa, Betula pendula* / FT, S / LHWS, MS, DS / 30.07.1995; 26.07.2003; 26.07.2007.

Pluteus umbrosus (Pers.) P. Kumm. — *Alnus incana, Ulmus laevis* / FT, S / LHWS, FPF / 26.06.2001; 24.09.2011.

Family Psathyrellaceae

Psathyrella cadolleana (Fr.) Maire — *Acer platanoides, Betula pendula, Quercus robur, Tilia cordata, Ulmus laevis* / FT, S, Soil / LHWS, TS / VI—VII.

Family Pterulaceae

Lepidomyces subcalceus (Litsch.) Jülich — *Pinus sylvestris, Betula pendula* / DB / LHWS / 07.10.2012; 20.09.2013; 18.10.2014.

Family Schizophyllaceae

Schizophyllum commune Fr. — *Acer negundo, Acer platanoides, Acer tatarica, Alnus glutinosa, Alnus incana, Betula pendula, Hippophae rhamnoides, Lonicera tatarica, Malus domestica, Padus avium, Pinus sylvestris, Populus alba, Populus nigra, Populus tremulae, Prunus spinosa, Quercus robur, Robinia pseudoacacia, Salix alba, Tilia cordata, Ulmus laevis, Ulmus racemoso-pennata* / LT, DT, FT, DB, S / BF, EWS, LHWS, MS, TS, FPF, UF / V—XI.

Family Strophariaceae

Hemipholiota populnea (Pers.) Bon — *Populus alba, Populus nigra, Populus tremulae, Ulmus laevis* / LT, DT, FT / LHWS, FPF / VIII—IX.

Hypholoma capnoides (Fr.) P. Kumm. — *Alnus incana, Betula pendula, Pinus sylvestris, Quercus robur, Ulmus laevis* / DT, FT, S / LHWS, FPF / VII—X.

Hypholoma fasciculare (Huds.) P. Kumm. — *Alnus glutinosa, Pinus sylvestris, Quercus robur, Ulmus laevis* / LT, FT, S / BF, LHWS, FPF / VIII—IX.

Hypholoma lateritium (Schaeff.) P. Kumm. — *Betula pendula, Quercus robur, Ulmus laevis* / FT, S / LHWS, FPF / IX—X.

Kuehneromyces mutabilis (Schaeff.) Singer et A. H. Sm. — *Acer platanoides, Quercus robur, Tilia cordata, Ulmus laevis* / FT, S / EWS, LHWS / VI—VII.

Pholiota adiposa (Batsch.) P. Kumm. — *Alnus incana* / DT / FPF / 07.10.2012.

Pholiota alnicola (Fr.) Sing. — *Alnus glutinosa, Alnus incana* / FT, DT / BF, LHWS, FPF / IX—X.

Pholiota aurivella (Batsch.) P. Kumm. — *Alnus glutinosa, Populus nigra, Salix alba, Ulmus laevis* / LT, DT / BF, LHWS, FPF / V, IX.

Pholiota conissans (Fr.) M. M. Moser — *Acer platanoides* / FT / EWS / 07.07.1997.

Pholiota spumosa (Fr.) Singer — *Alnus glutinosa, Fraxinus pennsylvanica* / LT, FT / BF, MS / 24.06.1995; 02.07.1996.

Pholiota squarrosa (Vahl) P. Kumm. — *Alnus glutinosa, Salix alba, Tilia cordata, Ulmus laevis* / LT, DT, FT / BF, LHWS, FPF / VI—IX.

Pholiota squarrosoides (Peck.) Sacc. — *Populus nigra* / FT / FPF / 07.10.1993.

Order Atheliales

Family Atheliaceae

Amphinema byssoides (Pers.) J. Erikss. — *Betula pendula*, *Pinus sylvestris*, *Ulmus laevis*, *Quercus robur* / DB / BF, LHWS, TS / VI—VII.

Athelia bombacina (Pers.) Jülich — *Ulmus laevis* / DB / TS / 26.10.2013.

Athelia fibulata M. P. Christ. — *Populus tremulae* / DB / EWS / 07.07.1997.

Athelia lutescens (J. Erikss. & Ryvaren) Zmitr. & Spirin — *Pinus sylvestris* / DB / LHWS / 18.10.2014.

Athelia salicuum Pers. — *Pinus sylvestris* / DB / LHWS / 25.09.2011.

Athelia tessulata (Cooke) Donk — *Ulmus laevis* / DB / LHWS, MS / 18.06.2004; 25.09.2011.

Byssocorticium molliculum (Bourd.) Jülich — *Quercus robur* / DB / LHWS / 24.08.2004.

Byssocorticium pulchrum (S. Lundell) M. P. Christ. — *Malus domestica* / DT / TS / 18.07.2014.

Fibulomyces mutabilis (Bres.) Jülich — *Pinus sylvestris* / DB / LHWS, MS / 19.06.2004; 20.09.2013.

Hypochniciellum ovoideum (Jülich) Hjortstam & Ryvarden — *Alnus incana* / DB / FPF / 24.09.2011.

Piloderma byssinum (P. Karst.) Jülich — *Ulmus laevis* / FT / LHWS / 20.06.2014.

Order Boletales

Family Amylocorticiaceae

Amylocorticiellum subillaqueatum (Litsch.) Spirin et Zmitr. — *Pinus sylvestris* / DB / LHWS / 20.09.2013.

Amylocorticiellum subincarnatum (Peck.) Pouzar — *Pinus sylvestris* / DB / LHWS / 20.09.2013.

Ceraceomyces eludens K. H. Larss. — *Alnus incana*, *Ulmus laevis*, *Salix alba* / DB / LHWS, FPF / III—IX.

Ceraceomyces serpens (Tode) Ginns — *Pinus sylvestris* / DB / LHWS / 20.06.2014.

Family Coniophoraceae

Coniophora arida (Fr.) P. Karst. — *Pinus sylvestris*, *Ulmus laevis* / DB, FT, S / LHWS, FPF, TS / V—X.

Coniophora olivacea (Fr.) P. Karst. — *Pinus sylvestris* / FT, DB / LHWS, MS, TS / VII—X.

Coniophora puteana (Schumach.) P. Karst. — *Alnus incana*, *Larix sibirica*, *Pinus sylvestris*, *Populus nigra* / FT, DB / BF, FPF, LHWS, TS / IX—X.

Family Hygrophoropsidaceae

Leucogyrophana mollusca (Fr.) Pouzar — *Pinus sylvestris* / DB / FPF / 21.10.2006.

Family Paxillaceae

Hydnomerulius pinastri (Fr.) Jarosch & Besl — *Populus nigra* / DB / FPF / 04.10.2014.

Family Serpulaceae

Serpula himantoides (Fr.) P. Karst. — *Pinus sylvestris* / FT / TS / 26.10.2013.

Serpula pulverulenta (Sowerby) Bondartsev — *Pinus sylvestris* / DB / LHWS / 25.09.2011.

Family Tapinellaceae

Tapinella atrotomentosa (Batsch) Šutara — *Acer platanoides*, *Betula pendula*, *Pinus sylvestris*, *Ulmus laevis* / S, FT / LHWS / VII—IX.

Tapinella panuoides (Fr.) E.-J. Gilbert. — *Alnus incana* / LT, FT / FPF / 04.08.2011; 24.09.2011.

Order Cantharellales

Family Botryobasidiaceae

Botryohypochnus isabellinus (Fr.) J. Erikss. — *Populus tremulae* / DB / LHWS / 18.09.2004.

Order Corticiales

Family Corticiaceae

Marchandiomyces quercinus (J. Erikss. & Ryvarden) D. Hawksw. & A. Henrici — *Quercus robur* / DB / FPF / 28.09.1997.

Mutatoderma mutatum (Peck) C. E. Gómez — *Acer platanoides*, *Populus tremulae*, *Betula pendula* / DB / LHWS / VIII—X.

Punctularia strigosozonata (Schwein.) P. H. B. Talbot — *Populus tremulae*, *Salix alba* / DT / BF, LHWS / VII—IX.

Order Hymenochaetales

Family Hymenochaetaceae

Fomitoporia pseudopunctata (A. David, Dequatre & Fiasson) Fiasson — *Tilia cordata* / DT / LHWS / 07.09.1995.

Fomitoporia punctata (P. Karst.) Murill. — *Acer platanoides*, *Alnus glutinosa*, *Alnus incana*, *Frangula alnus*, *Padus avium*, *Populus tremulae*, *Quercus robur*, *Salix alba*, *Ulmus laevis* / LT, DT, FT, DB / EWS, LHWS, TS, DS, FPF / VI—X.

Fomitoporia robusta (P. Karst.) Fiasson & Niemela — *Quercus robur* / LT, DT, FT, S / BF, EWS, LHWS, MS, TS, FPF / VI—IX.

Phellinus conchatus (Pers.) Quel. — *Lonicera tatarica*, *Salix alba* / LT, DT / LHWS, FPF / 26.05.1994; 04.08.2002; 04.08.2011.

Phellinus igniarius (L.) Quel. — *Alnus glutinosa*, *Alnus incana*, *Acer platanoides*, *Betula pendula*, *Padus avium*, *Populus nigra*, *Populus tremulae*, *Quercus robur*, *Salix alba*, *Tilia cordata*, *Ulmus laevis* / LT, DT, FT, S / BF, EWS, LHWS, MS, TS, DS, FPF / V—X.

Phellinus linteus (Berk. et Curt.) Teng — *Lonicera tatarica* / LT, DT / BF, EWS, LHWS, MS, TS, DS, FPF / V—X.

Phellinus pomaceus (Pers.) Maire — *Prunis spinosa*, *Cerasus fruticosa* / LT, DT, FT / FPF / 21.10.2006; 22.07.2012.

Phellinus rhamni (Bondartseva) H. Jahn — *Frangula alnus*, *Lonicera tatarica*, *Padus avium* / DT, FT / BF, EWS, FPF / V—VII.

Phellinus rimosus (Berk.) Pilat — *Ulmus laevis* / LT, DT, FT / MS, TS / 14.10.1994; 30.05.1996.

Phellinus tremulae (Bondartsev) Bondartsev & Borisov — *Populus tremulae* / LT, DT, FT / BF, EWS, LHWS, MS, TS, DS, FPF / V—X.

Porodaedalea pini (Brot.: Fr.) Murrill — *Pinus sylvestris* / LT / BF / 24.09.1994; 02.06.2001.

Hymenochaete cinnamomea (Pers.) Bres. — *Acer platanoides*, *Quercus robur* / FT / EWS, MS / 18.06.2004; 07.07.1997.

Hymenochaete fuliginosa (Pers.) Lev. — *Populus tremulae*, *Quercus robur* / FT / LHWS / 04.10.2003; 21.09.2013; 25.09.2011.

Hymenochaete rubiginosa (Dick.) Lev. — *Acer platanoides*, *Pinus sylvestris*, *Quercus robur* / DT, FT, S / BF, LHWS, MS, TS / VI—XI.

Inocutis dryophila (Berk.) Fiasson & Niemela — *Quercus robur* / LT, DT, FT / BF, EWS, LHWS, MS, TS, FPF / VI—X.

Inocutis rheades (Pers.) Fiasson & Niemela — *Betula pendula, Populus tremulae* / FT, DT, LT / BF, EWS, LHWS, MS, TS, DS / V—IX.

Inonotus obliquus (Ach. ex Pers.) Pilat — *Betula pendula* / LT, DT, FT, S / EWS, DS / V—IX.

Pseudochaete corrugata (Fr.) S. H. He & Y. C. Dai — *Salix alba, Ulmus laevis* / FT / MS, FPF / 18.06.2004; 04.08.2011.

Pseudochaete tabacina (Sowerby) T. Wagner & M. Fisch. — *Alnus glutinosa, Pinus sylvestris, Quercus robur, Ulmus laevis* / DT, FT, S / BF, EWS, LHWS, MS, TS, FPF / V—X.

Xanthoporia radiata (Sowerby) Tura, Zmitr., Wasser, Raats & Nevo — *Alnus glutinosa, Tilia cordata, Ulmus laevis* / DT, FT, S / BF, EWS, LHWS, MS, TS, DS, FPF / V—X.

Tubulicrinis borealis J. Erikss. — *Pinus sylvestris* / DB / MS / 22.07.2013.

Tubulicrinis globisporus K. H. Larss. & Hjortstam — *Pinus sylvestris* / DB / LHWS / 18.10.2014.

Tubulicrinis hirtellus (Bourdotted & Galzin) J. Erikss. — *Pinus sylvestris* / FT / LHWS / 25.07.2012.

Tubulicrinis propinquus (Bourdotted & Galzin) Donk — *Pinus sylvestris* / DB / MS / 11.08.2013.

Family Incertae sedis

Trichaptum biforme (Fr.) Ryvarden — *Alnus glutinosa, Betula pendula, Populus tremulae* / DT, FT, DB / BF, EWS, LHWS, MS, TS / VI—X.

Trichaptum fuscoviolaceum (Ehrenb.) Ryvarden — *Larix sibirica, Pinus sylvestris* / DN, FT, S, DB / BF, LHWS, MS, TS / VI—X.

Family Repetobasidiaceae

Sidera lenis (P. Karst.) Miettinen, in Miettinen & Larsson — *Betula pendula, Quercus robur* / DB / EWS, LHWS / 07.06.2007; 07.10.2012; 18.10.2014.

Family Schizophoraceae

Basidioradulum radula (Fr.) Nobles — *Betula pendula* / DB / EWS / 15.08.2007.

Basidioradulum tuberculatum (Berk. & M.A. Curtis) Hjortstam — *Betula pendula, Salix alba, Quercus robur* / DB / EWS, LHWS, FPF / 15.03.1993; 14.08.2007; 24.09.2011.

Hyphodontia arguta (Fr.) J. Erikss. — *Alnus incana, Pinus sylvestris, Quercus robur, Ulmus laevis* / DB / LHWS, FPF / VIII—X.

Hyphodontia aspera (Fr.) J. Erikss. — *Pinus sylvestris* / DB / LHWS, MS / 19.06.2004; 25.07.2012.

Hyphodontia breviseta (Karst.) Eriksson — *Pinus sylvestris* / DB / FPF, TS / 21.10.2006; 04.10.2014.

Hyphodontia crustosa (Pers.) J. Erikss. — *Betula pendula, Larix sibirica* / DB / EWS, LHWS, TS / VII—VIII.

Hyphodontia hastata (Litsch.) J. Erikss. — *Betula pendula* / DB / LHWS / 07.06.2007.

Hyphodontia nespori (Bres.) J. Erikss. & Hjortstam — *Pinus sylvestris* / DB / TS / 23.07.2013.

Hyphodontia pallidula (Bres.) J. Erikss. — *Populus nigra* / DB / FPF / 04.10.2014.

Hyphodontia quercina (Pers.) J. Erikss. — *Quercus robur* / DB / LHWS / 24.09.2011.

Hyphodontia radula (Pers.) Langer & Vesterholt — *Acer platanoides, Alnus glutinosa, Betula pendula, Populus tremulae, Quercus robur* / DB / BF, EWS, LHWS, MS / VI—VIII.

Hyphodontia rimosissima (Peck.) Gilb. — *Pinus sylvestris, Ulmus laevis* / DB / EWS, LHWS / 06.07.1997; 25.07.2012.

Hyphodontia sambuci (Pers.) J. Erikss. — *Pinus sylvestris* / DB / MS / 11.08.2013.

Hyphodontia spathulata (Schrad.) Parmasto — *Pinus sylvestris* / DB / LHWS / 21.09.2013.

Hyphodontia subalutacea (P. Karst.) J. Erikss. — *Pinus sylvestris* / DB / LHWS / 20.09.2013; 20.06.2014.

Schizopora flavigipora (Berk. & M.A. Curtis ex Cooke) Ryvarden — *Acer platanoides*, *Alnus incana*, *Betula pendula*, *Pinus sylvestris*, *Quercus robur* / DB / BF, EWS, LHWS, MS / VI—VII.

Schizopora paradoxa (Schrad.) Donk — *Betula pendula*, *Pinus sylvestris* / DB / EWS, LHWS / VII—IX.

Xylodon pruni (Lasch) Hjortstam & Ryvarden — *Pinus sylvestris* / DB / LHWS / 20.09.2013.

Order Polyporales

Family Cystostereaceae

Crustomyces expallens (Bres.) Hjortstam — *Populus tremulae* / DB / LHWS / 19.06.2014.

Crustomyces subabruptus (Bourdot & Galzin) Jülich — *Betula pendula*, *Quercus robur* / DB / LHWS, TS / 16.06.2004; 25.09.2011.

Family Fomitopsidaceae

Anomoloma myceliosum (Peck) Niemelä & K. H. Larss. — *Betula pendula* / DB / LHWS / 12.07.2008.

Anomoporia albolutescens (Romell) Pouzar — *Pinus sylvestris* / DB / LHWS / 20.09.2013.

Antrodia gossypia (Speg.) Ryvarden — *Pinus sylvestris* / FT / LHWS / 16.09.2006.

Antrodia macra (Sommerf.) Niemela — *Populus tremulae* / FT / EWS / 07.07.1997.

Antrodia malicola (Berk. & M. A. Curtis) Donk — *Tilia cordata*, *Malus domestica*, *Ulmus laevis* / DB, DT / LHWS, MS, TS / VI—VII.

Antrodia mellita Niemela & Penttila — *Populus nigra* / FT / FPF / [22].

Antrodia pulvinascens (Pilat) Niemela — *Quercus robur* / FT / FPF / 28.09.1997.

Antrodia serialis (Fr.) Donk — *Pinus sylvestris*, *Quercus robur*, *Salix alba*, *Padus avium* / FT, DB / BF, FPF, LHWS / III—VIII.

Antrodia sinuosa (Fr.) P.Karst — *Pinus sylvestris*, *Populus nigra*, *Populus tremulae*, *Ulmus laevis* / DB, FT, LT / BF, LHWS, FPF, EWS / VI—X.

Antrodia xantha (Fr.) Ryvarden — *Pinus sylvestris* / DB / BF / 24.06.1995.

Dacryobolus sudans (Alb. & Schwein.: Fr.) Fr. — *Pinus sylvestris* / DB, FT / LHWS, MS / 11.08.2013; 21.09.2013.

Daedalea quercina (L.) Pers. — *Quercus robur* / DT, LT, FT, S / BF, EWS, LHWS, FPF, MS, TS / V—X.

Fomitopsis pinicola (Sw.) P. Karst. — *Acer platanoides*, *Alnus glutinosa*, *Alnus incana*, *Betula pendula*, *Fraxinus pennsylvanica*, *Padus avium*, *Pinus sylvestris*, *Populus tremulae*, *Tilia cordata*, *Ulmus laevis* / LT, DT, FT, DB, S / BF, EWS, LHWS, MS, TS, FPF / V—X.

Ischnoderma resinosum (Schrad.: Fr.) P. Karst. — *Tilia cordata*, *Ulmus laevis* / DB / LHWS / 23.08.2004.

Laetiporus sulphureus (Bull.) Murill — *Acer platanoides*, *Fraxinus pennsylvanica*, *Populus nigra*, *Quercus robur*, *Salix alba*, *Ulmus laevis* / LT, DT, FT, S / BF, EWS, LHWS, MS, TS, DS, FPF, UF / V—X.

Phaeolus schweinitzii (Fr.) Pat. — *Pinus sylvestris* / Soil / BF / 24.09.1994; 09.09.2000.

Piptoporus betulinus (Bull.) P. Karst. — *Betula pendula* / LT, DT, FT, DB, S / BF, EWS, LHWS, MS, TS / V—IX.

Piptoporus quercinus (Schrad.) P. Karst. — *Quercus robur* / FT / BF / 02.06.2001.

Postia caesia (Shrad.) P. Karst — *Pinus sylvestris* / FT / BF, LHWS, FPF / IX—X.

Postia fragilis (Fr.) Jülich — *Pinus sylvestris* / FT / BF, MS / 24.09.1994; 11.08.2013.

Postia guttulata (Sacc.) Jülich — *Betula pendula* / DT, FT / LHWS / 07.10.2012; 21.09.2013.

Postia hibernica (Berk. & Broome) Jülich — *Acer platanoides*, *Betula pendula*, *Pinus sylvestris*, *Ulmus laevis* / FT, DB / BF, EWS, LHWS, MS, TS / VII—IX.

- Postia lateritia Renwall. — *Pinus sylvestris* / DB / LHWS / 05.07.2011; 20.09.2013.
- Postia leucomallella (Murrill) Jülich — *Pinus sylvestris* / FT / BF, LHWS, TS / VI—VII.
- Postia rennyi (Berk. & Broome) Rajchenb. — *Betula pendula, Pinus sylvestris* / DB / BF, MS / 24.09.1994; 26.07.2007.
- Postia septentrionalis (Vampola) Renvall — *Pinus sylvestris* / FT / LHWS / 25.09.2011.
- Postia sericeomollis (Romell) Jülich — *Acer platanoides, Pinus sylvestris* / FT, DB / BF, EWS, TS / VI—IX.
- Postia simanii (Pilat) Jülich — *Acer platanoides* / DB / EWS / 07.07.1997.
- Postia stiptica (Pers.) Jülich — *Pinus sylvestris* / LT, FT / BF, LHWS / IX.
- Postia subcaesia (A. David) Jülich — *Acer platanoides, Tilia cordata, Ulmus laevis* / DB / LHWS / VI—VIII.
- Postia tephroleuca (Fr.) Jülich — *Acer platanoides, Betula pendula, Pinus sylvestris, Populus tremulae, Quercus robur, Tilia cordata, Ulmus laevis* / DB / BF, EWS, LHWS, FPF / V—X.
- Postia undosa (Peck) Jülich — *Betula pendula, Pinus sylvestris* / FT, DB / LHWS, FPF / 21.10.2006; 21.09.2013.
- Pycnoporellus fulgens (Fr.) Donk. — *Ulmus laevis* / FN / LHWS / 25.09.2011.

Family Ganodermataceae

Ganoderma applanatum (Pers.) Pat. — *Acer platanoides, Alnus glutinosa, Betula pendula, Populus nigra, Populus tremulae, Quercus robur, Tilia cordata, Ulmus laevis* / LT, DT, FT, S / BF, EWS, LHWS, MS, TS, DS, FPF / V—X.

Family Incertae sedis

Phlebiella grisella (Bourd.) K. H. Larss. & Hjortstam — *Ulmus laevis* / DB / LHWS / 18.10.2014.

Phlebiella sulphurea (Pers.: Fr.) Ginns & Lefebvre — *Pinus sylvestris* / DB / LHWS / 20.09.2013.

Family Meripilaceae

Physisporinus vitreus (Pers.: Fr.) P. Karst. — *Betula pendula* / DB / EWS, LHWS / 15.08.2007; 11.07.2008.

Family Meruliaceae

Abortiporus biennis (Bull.) Singer — *Betula pendula, Malus domestica, Populus tremulae, Ulmus laevis* / FT, LT, DT / BF, EWS, LHWS, TS, DS / VI—VIII.

Bjerkandera adusta (Willd.) P. Karst. — *Acer negundo, Acer platanoides, Alnus glutinosa, Betula pendula, Malus domestica, Populus nigra, Populus tremulae, Quercus robur, Salix alba, Tilia cordata, Ulmus laevis* / LT, DT, DB, FT, S / BF, LHWS, EWS, MS, TS, DS, FPF, OR / V—XI.

Flaviporus citrinellus (Niemelä & Ryvarden) Ginns. — *Betula pendula* / DB / LHWS / 12.07.2008.

Gloeoporus dichrous (Fr.) Bres. — *Acer platanoides, Alnus glutinosa, Alnus incana, Betula pendula, Frangula alnus, Populus tremulae, Quercus robur, Ulmus laevis* / DT, FT / BF, EWS, LHWS, TS, DS, FPF / IV—X.

Gloeoporus pannocinctus (Romell) J. Erikss. — *Betula pendula* / DB / LHWS / 10.07.2008.

Gloeoporus taxicola (Pers.) Gilb. & Ryvarden — *Pinus sylvestris, Betula pendula* / FT, DB / BF, LHWS, MS, TS, DS, FPF / VII—X.

Hyphoderma deviatum (Lundell) Parmasto — *Ulmus laevis* / DB / LHWS / 28.06.2004.

Hyphoderma litschaueri (Burt.) J. Erikss. & A. Strid — *Alnus glutinosa* / DB / LHWS / 10.07.2012.

- Hyphoderma medioburniense (Burt.) Donk. — *Betula pendula* / DB / LHWS / 24.09.2011.
- Hyphoderma roseocremum (Bres.) Donk — *Betula pendula, Quercus robur* / DB / EWS, LHWS / 22.08.2008; 25.07.2012.
- Hyphoderma setigerum (Fr.) Donk — *Acer platanoides, Betula pendula, Tilia cordata, Ulmus laevis* / DB / EWS, LHWS / VI—IX.
- Hyphoderma sibiricum (Parmasto) J. Erikss. & A. Strid — *Pinus sylvestris* / DB / LHWS / 21.06.2014.
- Hyphoderma tenue (Pat.) Donk — *Ulmus laevis* / DB / EWS / 05.07.1997.
- Hypochnicium erikssonii Hallenb. & Hjortstam — *Alnus incana* / DB / FPF / 24.09.2011.
- Hypochnicium punctulatum (Cooke) J. Erikss. — *Ulmus laevis* / DB / LHWS / 18.10.2014.
- Irpea aridus (Svrček) Kotir. & Saaren. — *Quercus robur* / DB / FPF / 28.09.1997.
- Irpea lacteus (Fr.) Fr. — *Acer platanoides, Alnus glutinosa, Alnus incana, Betula pendula, Caragana arborescens, Cerasus fruticosa, Larix sibirica, Malus domestica, Padus avium, Pinus sylvestris, Populus tremulae, Quercus robur, Tilia cordata, Ulmus laevis* / LT, DT, FT, DB, S / BF, EWS, LHWS, MS, TS, DS, FPF, UF / V—X.
- Irpea litschaueri (Bourd. & Galz.) Kotir. & Saaren. — *Betula pendula, Pinus sylvestris* / DB / LHWS / 25.07.2012.
- Irpea murashkinskyi (Burt.) Kotir. & Saaren. — *Betula pendula* / FT / BF / 16.09.1995.
- Junghuhnia collabens (Fr.) Ryvarden — *Malus domestica* / FT / TS / 18.07.2014.
- Junghuhnia lacera (P. Karst.) Niemelä & Kinnunen — *Betula pendula, Populus tremulae, Tilia cordata, Ulmus laevis* / FT, DB / BF, LHWS / VI, IX.
- Junghuhnia luteoalba (P. Karst.) Ryvarden — *Padus avium* / DB / FPF / [22].
- Junghuhnia nitida (Pers.) Ryvarden — *Alnus glutinosa, Betula pendula, Padus avium, Populus nigra, Populus tremulae, Quercus robur, Salix alba, Tilia cordata, Ulmus laevis* / DT, FT, DB / BF, EWS, LHWS, MS, TS, FPF / V—XI.
- Junghuhnia pseudozilingiana (Parmasto) Ryvarden — *Betula pendula* / DB / EWS / 22.08.2008.
- Steccherinum fimbriatum (Pers.) J. Erikss. — *Acer platanoides, Betula pendula, Padus avium, Pinus sylvestris, Populus tremulae, Quercus robur, Tilia cordata, Ulmus laevis* / DB, S / LHWS, MS, TS, FPF / V—X.
- Steccherinum ochraceum (Pers.) Gray — *Acer platanoides, Alnus glutinosa, Betula pendula, Frangula alnus, Larix sibirica, Lonicera tatarica, Malus domestica, Padus avium, Pinus sylvestris, Populus tremulae, Quercus robur, Ulmus laevis* / DT, FT, DB / BF, EWS, LHWS, MS, TS, DS, FPF / V—X.
- Steccherinum oreophilum Lindsey & Gilb. — *Acer platanoides* / DB / LHWS / 19.09.2003.
- Steccherinum subcrinale (Peck.) Ryvarden — *Betula pendula, Pinus sylvestris, Ulmus laevis* / DB / EWS, LHWS, TS / VIII—X.
- Mycoacia aurea (Fr.) J. Erikss. & Ryvarden — *Betula pendula* / DB / EWS, MS / 26.07.2007; 22.08.2008.
- Mycoacia fuscoatra (Fr.) Donk — *Betula pendula, Ulmus laevis* / DB / LHWS / 20.09.2003; 06.06.2007.
- Mycoaciella bispore (Stalpers) J. Erikss. & Ryvarden — *Pinus sylvestris* / DB / LHWS / 20.09.2013.
- Phlebia cornea (Bourd. & Galz.) Parmasto — *Larix sibirica, Pinus sylvestris* / DB / LHWS, MS / 25.07.2012; 22.07.2013.
- Phlebia cretacea (Bourd. & Galz.) J. Erikss. & Hjortstam — *Pinus sylvestris* / DB / TS / 26.10.2013.
- Phlebia griseoflavescens (Litsch.) J. Erikss. & Hjortstam — *Quercus robur, Ulmus laevis* / DB / NS, FPF / 20.07.1997; 04.10.2014.

Phlebia martiana (Berk. & M. A. Curtis) Parmasto — *Acer platanoides, Alnus incana, Populus nigra* / DB / LHWS, FPF / VIII—X.

Phlebia radiata Fr. — *Acer platanoides, Alnus glutinosa, Betula pendula, Populus tremulae, Quercus robur* / DB / EWS, LHWS / VII—IX.

Phlebia rufa (Pers.) M. P. Crist. — *Acer platanoides, Betula pendula, Populus alba, Salix alba, Tilia cordata* / DB / LHWS, FPF / VIII—X.

Phlebia subochracea (Alb. & Schwein.) J. Erikss. & Ryvarden — *Pinus sylvestris* / DB / LHWS / 18.10.2014.

Phlebia tremellosa (Schrad.) Burds. & Nakasone — *Acer platanoides, Alnus incana, Betula pendula, Pinus sylvestris, Quercus robur, Ulmus laevis* / DB, FT, DT / BF, EWS, LHWS, DS, FPF / VII—X.

Phlebia tristis (Litsch. & S. Lundell) Parmasto — *Pinus sylvestris* / DB / MS, TS / 11.08.2013; 26.10.2013.

Sarcodontia crocea (Schwein.) Kotl. — *Malus domestica* / DT / EWS, LHWS, TS / 05.07.1997; 03.08.2002; 18.07.2014.

Sarcodontia spumea (Sowerby) Spirin — *Acer negundo, Acer platanoides, Populus nigra, Betula pendula, Malus domestica, Populus nigra, Populus tremulae, Quercus robur, Ulmus laevis* / LT, DT, FT, S / EWS, LHWS, TS, FPF, UF / VII—IX.

Family Phanerochaetaceae

Antrodiella hoehnelii (Bres.) Niemella — *Alnus incana* / DB / FPF / 24.09.2011.

Antrodiella parasitica Vampola — *Fomes fomentarius* / LHWS / 10.07.2012.

Antrodiella romellii (Donk) Niemela — *Betula pendula, Ulmus laevis* / DB / LHWS, BF / VI—VII.

Antrodiella semisupina (Berk. & M.A. Curtis) Ryvarden — *Betula pendula, Ulmus laevis, Padus avium* / DB / EWS, LHWS / VII—IX.

Ceriporia excelsa (Lund.) Parmasto — *Salix alba* / DB / FPF / 04.10.2014.

Ceriporia metamorphosa (Fuckel) Ryvarden & Gilb. — *Quercus robur* / DB / EWS / 04.11.2006.

Ceriporia purpurea (Fr.) Donk — *Pinus sylvestris, Malus domestica* / DB, FT / BF, EWS / VII.

Ceriporia reticulata (Hoffm.) Domański — *Alnus glutinosa, Betula pendula, Pinus sylvestris* / DB, FT / LHWS, DS / VII—IX.

Ceriporia viridians (Berk. & Broome) Donk — *Betula pendula, Pinus sylvestris, Quercus robur, Salix alba* / DB, FT / BF, EWS, LHWS, MS, FPF / VII—X.

Ceriporiopsis gilvescens (Bres.) Domański — *Betula pendula, Quercus robur, Ulmus laevis* / DB / EWS, LHWS / VII—X.

Ceriporiopsis mucida (Pers.) Gilb. & Ryvarden — *Betula pendula, Ulmus laevis* / DB / LHWS / 13.07.2008; 18.10.2014.

Ceriporiopsis resinascens (Romell) Domański — *Ulmus laevis* / DB / FPF / [22]; 04.10.2014.

Ceriporiopsis subvermispora (Pilat) Gilb. & Ryvarden — *Betula pendula, Ulmus laevis* / DB / LHWS / VII—IX.

Climacodon septentrionalis (Fr.) P. Karst. — *Betula pendula* / DT, FT / LHWS / 16.06.2001; 10.07.2012.

Phanerochaete calotricha (P. Karst.) J. Erikss. & Ryvarden — *Pinus sylvestris* / DB / MS / 11.08.2013.

Phanerochaete deflectens (P. Karst.) Hjortstam — *Quercus robur* / DB / FPF / 29.06.1997.

Phanerochaete laevis (Fr.) J. Erikss. & Ryvarden — *Quercus robur* / DB / FPF / 28.09.1997.

Phanerochaete sanguinea (Fr.) Pouzar — *Quercus robur* / DB / FPF / 28.05.1997.

Phanerochaete sordida (P. Karst.) J. Erikss. & Ryvarden — *Acer platanoides, Pinus sylvestris / DB / EWS, LHWS / VII—IX.*

Phanerochaete velutina (DC.) P. Karst. — *Populus tremulae, Betula pendula / DB / EWS, LHWS / 03.07.2004; 06.08.2008.*

Phanerochaete tuberculata (P. Karst) Parmasto — *Populus tremulae / DT / TS / 18.07.2014.*

Phlebiopsis ravenelii (Cooke) Hjortstam — *Acer platanoides / DB / LHWS / 20.09.2013.*

Porostereum spadiceum (Pers.) Hjortstam & Ryvarden — *Alnus glutinosa, Alnus incana, Betula pendula, Quercus robur, Tilia cordata, Ulmus laevis / DB / BF, LHWS, TS / VI—IX.*

Family Polyporaceae

Aurantiaporus fissilis (Berk. & M. A. Curtis) H. Jahn ex Ryvarden — *Malus domestica / DT / LHWS / 24.08.2004.*

Cellulariella warnieri (Durieu & Mont.) Zmitr. & V. Malysheva — *Populus nigra, Populus tremulae, Tilia cordata, Ulmus laevis / DT, FT / BF, EWS, LHWS, MS, TS, DS, FPF, UF / VI—X.*

Cerrena unicolor (Bull.: Fr.) Murrill — *Acer negundo, Acer platanoides, Alnus glutinosa, Alnus incana, Betula pendula, Ulmus laevis, Padus avium, Pinus sylvestris, Populus nigra, Populus tremulae, Quercus robur, Tilia cordata / LT, DT, FT, DB, S / BF, LHWS, EWS, MS, TS, DS, FPF / V—XI.*

Daedaleopsis confragosa (Bolton) J. Schrot. — *Acer negundo, Acer platanoides, Alnus glutinosa, Betula pendula, Padus avium, Populus tremulae, Salix alba, Ulmus laevis / LT, DT, DB, FT, S / BF, EWS, LHWS, MS, TS, DS, FPF / V—IX.*

Daedaleopsis septentrionalis (P. Karst.) Niemela — *Acer platanoides, Alnus incana, Betula pendula, Fraxinus pennsylvanica, Padus avium, Quercus robur, Salix alba, Ulmus laevis / DT, LT, FT, DB / BF, EWS, LHWS, MS, FPF / VII—X.*

Daedaleopsis tricolor (Bull.) Bondartsev & Singer — *Alnus incana, Betula pendula, Padus avium, Populus tremulae, Salix alba, Tilia cordata, Ulmus laevis / DT, FT, DB / BF, EWS, LHWS, FPF, DS / VII—X.*

Datronia mollis (Sommerf.) Donk — *Acer platanoides, Alnus glutinosa, Betula pendula, Padus avium, Populus tremulae, Quercus robur, Tilia cordata, Ulmus laevis / DT, FT, DB, S / BF, EWS, LHWS, MS, TS / V—X.*

Datronia stereoides (Fr.) Ryvarden — *Acer platanoides, Alnus glutinosa, Betula pendula, Populus tremulae, Quercus robur, Salix alba, Tilia cordata, Ulmus laevis / FT (LT) / LHWS, EWS, MS, TS, DS, FPF / VI—X.*

Dichomitus squalens (P. Karst.) D. A. Reid — *Pinus sylvestris / DT, FT, DB / BF, LHWS, MS / VI—IX.*

Diplomitoporus crustulinus (Bres.) Domański — *Pinus sylvestris / DB / LHWS / 21.09.2013.*

Diplomitoporus flavescens (Bres.) Domański — *Pinus sylvestris / FT, DB / BF, LHWS, MS, FPF / VI—IX.*

Favolus pseudobetulinus (Murashk. ex Pilát) Sotome & T. Hatt. (= Piptoporus pseudobetulinus (Murash. ex Pilat) Pilat) — *Populus tremulae / FT / BF / 15.07.1995.*

Fomes fomentarius (L.) Fr. — *Acer negundo, Acer platanoides, Alnus glutinosa, Alnus incana, Betula pendula, Fraxinus pennsylvanica, Malus domestica, Padus avium, Populus balsamifera, Populus nigra, Populus tremulae, Quercus robur, Salix alba, Tilia cordata, Ulmus laevis / LT, DT, FT, DB, S / BF, EWS, LHWS, MS, TS, DS, FPF, UF / V—X.*

Hapalopilus nidulans (Fr.) P. Karst. — *Acer platanoides, Betula pendula, Malus domestica, Quercus robur, Ulmus laevis / LT, DT, FT, DB / BF, EWS, LHWS, TS, DS, FPF / VI—IX.*

Neolentinus adhaerens (Alb. & Schwein.) Redhead & Ginns — *Acer platanoides, Betula pendula, Populus tremulae, Ulmus laevis / DT, FT, S / EWS, LHWS, MS, FPF / VI—IX.*

Neolentinus cyathiformis (Schaeff.) Della Maggiora & Trassinelli — *Fraxinus pennsylvanica, Populus nigra, Populus tremulae, Ulmus laevis* / LT, FT, S / LHWS, TS, FPF, UF / V—IX.

Neolentinus lepideus (Fr.) Redhead & Ginns — *Pinus sylvestris* / S / BF, LHWS, MS, UF / V—VIII.

Panus conchatus (Bull.) Fr. — *Populus tremulae* / DT / LHWS / 04.08.2002.

Panus neostrigosus Drechsler-Santos & Wartchow — *Alnus incana, Betula pendula, Quercus robur* / DT, FT, DB / BF, LHWS / 24.06.1995; 07.10.2012; 01.08.2013.

Lenzites betulinus (L.) Fr. — *Betula pendula* / FT, DB / BF, LHWS, MS / V—VII.

Polyporus arcularius Batsch.: Fr. — *Acer platanoides, Alnus incana, Betula pendula, Populus tremulae, Quercus robur, Tilia cordata, Ulmus laevis* / DT, FT, DB / BF, LHWS, EWS, MS, TS, DS, FPF / VI—IX.

Polyporus brumalis (Pers.) Fr. — *Alnus glutinosa, Alnus incana, Betula pendula, Padus avium, Tilia cordata, Ulmus laevis* / DT, FT / EWS, LHWS, TS, FPF / V—IX.

Polyporus ciliatus Fr. — *Alnus glutinosa, Alnus incana, Betula pendula, Ulmus laevis* / FT, DB / EWS, LHWS / V—IX.

Polyporus melanopus (Pers.) Fr. — *Ulmus laevis* / FT / LHWS / 15.07.1997; 25.08.2006; 18.10.2014.

Polyporus squamosus (Huds.) Fr. — *Acer negundo, Acer platanoides, Alnus glutinosa, Malus domestica, Padus avium, Populus balsamifera, Populus nigra, Populus nigra, Populus tremulae, Sorbus aucuparia, Tilia cordata, Ulmus laevis, Ulmus racemoso-pennata* / LT, DT, FT, DB, S / BF, EWS, LHWS, MS, TS, DS, FPF, UF / IV—IX.

Polyporus tuberaster (Jack. ex Pers.) Fr. — *Alnus glutinosa, Betula pendula, Ulmus laevis* / FT / BF, EWS, LHWS / VI—IX.

Polyporus varius (Pers.) Fr. — *Acer platanoides, Betula pendula, Quercus robur, Salix alba, Tilia cordata, Ulmus laevis* / FT, S / BF, EWS, LHWS, DS, FPF / VI—X.

Royoporus badius (Pers.) A. B. De — *Alnus glutinosa, Populus nigra, Populus tremulae, Quercus robur, Tilia cordata, Ulmus laevis* / FT, S / BF, EWS, LHWS / VI—IX.

Sistotrema coronilla (Höhn.) Donk ex D. P. Rogers — *Populus tremulae* / DB / LHWS / 04.10.2003.

Sistotrema sernanderi (Litsch.) Donk — *Pinus sylvestris* / FT / LHWS / 05.07.2011.

Skeletocutis alutacea (J. Lowe) Jean Keller — *Betula pendula* / DB / EWS / 22.08.2008.

Skeletocutis amorpha (Fr.) Kotl. & Pouzar — *Pinus sylvestris, Betula pendula* / FT, DB / BF, LHWS, MS / 24.09.1994; 16.09.2006; 23.07.2013; 11.08.2013.

Skeletocutis carneogrisea A. David — *Pinus sylvestris* / DB / LHWS / 16.09.2006.

Skeletocutis nivea (Jungh.) Jean Keller — *Betula pendula, Padus avium, Tilia cordata, Quercus robur* / FT, DB / LHWS, EWS / VI—VIII.

Skeletocutis subincarnata (Peck) Jean Keller — *Betula pendula, Pinus sylvestris* / FT, DB / MS, FPF / 21.10.2006; 23.07.2013.

Trametes gibbosa (Pers.) Fr. — *Acer platanoides, Alnus glutinosa, Betula pendula, Padus avium, Pinus sylvestris, Populus tremulae, Quercus robur, Salix alba, Tilia cordata, Ulmus laevis* / LT, DT, FT, S, DB / BF, EWS, LHWS, MS, FPF / V—X.

Trametes hirsuta (Wulfen) Lloyd — *Acer negundo, Acer platanoides, Alnus glutinosa, Alnus incana, Betula pendula, Padus avium, Populus alba, Populus nigra, Populus tremulae, Quercus robur, Salix alba, Tilia cordata, Ulmus laevis* / LT, DT, FT, DB, S / BF, EWS, LHWS, MS, TS, DS, FPF, UF / VI—X.

Trametes ljubarskyi Pilat — *Pinus sylvestris, Populus tremulae, Quercus robur* / FT / BF, EWS, MS, FPF / VII—X.

Trametes ochracea (Pers.) Gilb. & Ryvarden — *Acer platanoides, Alnus glutinosa, Alnus incana, Betula pendula, Malus domestica, Padus avium, Populus alba, Populus tremulae, Quercus robur, Tilia cordata, Ulmus laevis* / DT, FT, S / BF, EWS, LHWS, MS, DS, FPF / V—X.

Trametes pubescens (Schumach.) Pilat — *Acer negundo, Acer platanoides, Alnus glutinosa, Alnus incana, Betula pendula, Padus avium, Populus tremulae, Salix alba, Tilia cordata, Ulmus laevis* / LT, DT, FT, DB, S / BF, EWS, LHWS, MS, TS, DS, FPF / VI—X.

Trametes suaveolens (L.) Fr. — *Padus avium, Populus nigra, Salix alba, Ulmus laevis* / LT, DT, FT / LHWS MS, DS, FPF / VII—X.

Trametes trogii Berk. — *Alnus incana, Betula pendula, Malus domestica, Populus alba, Populus nigra, Populus tremulae, Salix alba, Ulmus laevis, Ulmus racemoso-pennata* / LT, DT, FT, S / BF, EWS, LHWS, MS, TS, DS, FPF / VI—X.

Trametes versicolor (L.) Lloyd — *Acer platanoides, Alnus incana, Betula pendula, Malus domestica, Padus avium, Populus nigra, Populus tremulae, Quercus robur, Tilia cordata, Ulmus laevis* / DT, FT, S, DB / BF, EWS, LHWS, MS, TS, DS, FPF, UF / VI—X.

Tyromyces chionaeus (Fr.) P. Karst. — *Acer platanoides, Betula pendula, Quercus robur, Tilia cordata, Ulmus laevis* / DT, FT, DB / BF, EWS, LHWS / VII—IX.

Tyromyces fumidiceps G. F. Atk. — *Betula pendula, Quercus robur* / FT / EWS, LHWS / 24.08.2004; 06.08.2008.

Tyromyces kmetii (Bres.) Bondartsev & Singer — *Betula pendula* / FT / LHWS / 23.08.2004.

Family Xenasmataceae

Xenasma pulverulentum (Litsch.) Donk — *Ulmus laevis* / FT / TS / 26.10.2013.

Order Russulales

Family Auriscalpiaceae

Artomyces pyxidatus (Pers.) Jülich — *Acer platanoides, Betula pendula, Populus tremulae, Quercus robur, Ulmus laevis* / LT, FT, DB, S / LHWS, MS, FPF / VI—IX.

Auriscalpium vulgare Gray — *Pinus sylvestris* / pinecone / BF, LHWS / VII—IX.

Family Bondarzewiaceae

Heterobasidion annosum (Fr.) Bref. — *Pinus sylvestris* / LT, DT, FT / BF / 24.06.1995.

Family Hericiaceae

Hericium coralloides (Scop.) Pers. — *Alnus incana, Betula pendula, Populus nigra, Ulmus laevis* / DT, FT / BF, LHWS, FPF / VI—X.

Laxitextum bicolor (Pers.) Lentz — *Betula pendula, Quercus robur* / DB / BF, EWS / 24.09.1994; 06.08.2008.

Family Peniophoraceae

Peniophora cinerea (Pers.) Cooke — *Acer platanoides, Betula pendula, Ulmus laevis* / DB / EWS, LHWS, TS / VI—IX.

Peniophora incarnata (Pers.) P. Karst — *Betula pendula, Populus tremulae* / DB / EWS, LHWS / 14.08.2007; 21.09.2013.

Peniophora limitata (Chaillet ex Fr.) Cooke — *Tilia cordata, Betula pendula* / DB / LHWS, FPF / 21.10.2006; 18.10.2014.

Peniophora nuda (Fr.) Bres. — *Ulmus laevis* / DB / LHWS / 24.08.2004.

Peniophora piceae (Pers.) J. Erikss. — *Pinus sylvestris* / DB / LHWS / 20.09.2013.

Peniophora pini (Schleich.) Boidin — *Pinus sylvestris* / DB / FPF / 21.10.2006.

Peniophora quercina (Pers.) Cooke — *Acer platanoides, Ulmus laevis, Quercus robur* / DB / LHWS / VII—VIII.

Peniophora rufomarginata (Pers.) Bourdot & Galzin — *Acer platanoides, Betula pendula, Tilia cordata* / DB / LHWS / VI—X.

Peniophora violaceolivida (Sommerf.) Massee — *Betula pendula, Alnus incana* / DB / MS, FPF / VII—X.

Family Stephanosporaceae

Athelidium aurantiacum (M. P. Christ.) Oberw. — *Ulmus laevis* / DB / LHWS / 18.10.2014.

Family Stereaceae

Gloeocystidiellum convolvens (P. Karst.) Donk — *Quercus robur* / DB / TS / 16.06.2004.

Gloeocystidiellum luridum (Bres.) Boidin — *Alnus incana, Betula pendula* / LT, FT / EWS, FPF / 22.08.2008; 24.09.2011.

Gloeocystidiellum porosum (Berk. & M. A. Curtis) Donk — *Ulmus laevis* / DB / LHWS / 24.08.2004.

Stereum complicatum (Fr.) Fr. — *Betula pendula* / DB / LHWS / 10.07.2008.

Stereum hirsutum (Willd.) Pers. — *Acer platanoides, Alnus glutinosa, Alnus incana, Betula pendula, Populus tremulae, Quercus robur, Tilia cordata, Ulmus laevis* / DT, FT, DB, S / BF, EWS, LHWS, MS, TS, DS, FPF / V—X.

Stereum rugosum Pers. — *Pinus sylvestris, Populus tremulae, Salix alba, Ulmus laevis* / DB / BF, LHWS, FPF / III, IX.

Stereum sanguinolentum (Alb. & Schwein.) Fr. — *Pinus sylvestris* / FT / LHWS / 16.09.2006.

Stereum subtomentosum Pouzar — *Acer platanoides, Alnus glutinosa, Alnus incana, Betula pendula, Lonicera tatarica, Malus domestica, Padus avium, Populus nigra, Populus tremulae, Quercus robur, Salix alba, Tilia cordata, Ulmus laevis* / DT, FT, DB, S / BF, EWS, LHWS, MS, DS, TS, FPF / V—X.

Xylobolus frustulatus (Pers.) P. Karst. — *Quercus robur* / FT / LHWS / 25.09.2011.

Xylobolus subpileatus (Berk. & M. A. Curtis) Boidin — *Quercus robur* / FT / LHWS / 04.10.2003.

Order Thelephorales

Family Thelephoraceae

Thelephora atra Weinm. — *Betula pendula* / DB / EWS, MS / 26.07.2007; 22.08.2008.

Thelephora terrestris Ehrh. — *Alnus glutinosa, Betula pendula, Pinus sylvestris, Tilia cordata* / FT, S / BF, DS / IV—IX.

Tomentella bryophila (Pers.) M. J. Larsen — *Quercus robur* / FT / LHWS / 22.07.2004.

Tomentella cinerascens (P. Karst.) Höhn. & Litsch. — *Acer platanoides* / FT / FPF / 19.08.1997.

Tomentella crinalis (Fr.) M. J. Larsen — *Ulmus laevis* / DB / LHWS / 19.09.2003.

Tomentella fibrosa (Berk. & M. A. Curtis) Köljalg — *Quercus robur* / DB / FPF / 12.08.1997.

Tomentella griseoumbrina Litsch. — *Quercus robur* / FT / MS / 17.06.2004.

Tomentella lapida (Pers.) Stapers — *Betula pendula* / DB / MS / 26.07.2007.

Tomentella subtestacea Bourdot & Galzin — *Pinus sylvestris* / FT / TS / 04.10.2014.

Tomentella terrestris (Berk. & Broome) M. J. Larssen — *Ulmus laevis* / FT / TS / 04.10.2014.

Order Trechisporales

Family Hydnodontaceae

Trechispora confinis (Bourdot & Galzin) Liberta — *Pinus sylvestris* / DB / LHWS / 18.10.2014.

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