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**Author(s):** von Bonsdorff, Tea; Niskanen, Tuula; Liimatainen, Kare; Kytövuori, Ilkka; Vauras, Jukka; Huhtinen, Seppo; Höijer, Paavo; Kekki, Tapio; Kosonen, Timo; Tervonen, Kaisa; Purhonen, Jenna; Halme, Panu; Pennanen, Marja; Marsh, Tarja

**Title:** New national and regional biological records for Finland 5. Contributions to agaricoid and ascomycetoid taxa of fungi 4

**Year:** 2015

**Version:**

**Please cite the original version:**

von Bonsdorff, T., Niskanen, T., Liimatainen, K., Kytövuori, I., Vauras, J., Huhtinen, S., Höijer, P., Kekki, T., Kosonen, T., Tervonen, K., Purhonen, J., Halme, P., Pennanen, M., & Marsh, T. (2015). New national and regional biological records for Finland 5. Contributions to agaricoid and ascomycetoid taxa of fungi 4. *Memoranda : Societatis pro Fauna et Flora Fennica*, 91, 56-66.  
<http://ojs.tsv.fi/index.php/msff/article/view/53556>

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## New national and regional biological records for Finland 5. Contributions to agaricoid and ascomycetoid taxa of fungi 4

Tea von Bonsdorff, Tuula Niskanen, Kare Liimatainen, Ilkka Kytövuori, Jukka Vauras, Seppo Huhtinen, Paavo Höijer, Tapio Kekki, Timo Kosonen, Kaisa Tervonen, Jenna Purhonen, Panu Halme, Marja Pennanen & Tarja Marsh

**von Bonsdorff, T.**, & **Kytövuori, I.**, Finnish Museum of Natural History, Botanical Museum, Mycology Team, P.O.Box 7, FI-00014, University of Helsinki. E-mail: tea.vonbonsdorff@helsinki.fi. **Niskanen, T.**, The Jodrell Laboratory Royal Botanic Gardens, Kew, Surrey TW9 3AB, UK. **Liimatainen, K.**, Plant Biology, Department of Biosciences, P.O. Box 65, FI-00014 University of Helsinki. **Vauras, J.**, Biological Collections of Åbo Akademi University, Herbarium, FI-20014 University of Turku. **Huhtinen S.**, Herbarium, FI-20014 University of Turku. **Höijer, P.**, Riihipellontie 28 as. 7, FI-07500 Askola. **Kekki, T.**, Jyväskylä University Museum, the Natural History Section, P.O. BOX 35, FI-40014 University of Jyväskylä. **Kosonen, T.**, Herbarium, FI-20014, University of Turku. **Tervonen, K.**, Jyväskylä University Museum, the Natural History Section, P.O. BOX 35, FI-40014 University of Jyväskylä. **Purhonen, J.**, Jyväskylä University Museum, the Natural History Section, P.O. BOX 35, FI-40014 University of Jyväskylä. **Halme, P.**, Jyväskylä University Museum, the Natural History Section, P.O. BOX 35, FI-40014 University of Jyväskylä. **Pennanen, M.**, Raivionmäentie 8 A, FI-83500 Outokumpu. **Marsh, T.**, Herbarium, FI-20014 University of Turku.

One genera of agaricoid fungi (Basidiomycota): *Romagnesiella* and 12 species are reported as new to Finland: *Agaricus macrocarpus*, *Arrhenia obatra*, *Arrhenia obscurata*, *Arrhenia rigidipes*, *Coprinellus brevisetulosus*, *Coprinus candidatus*, *Entoloma plebejum*, *Hydnum vesterholtii*, *Inocybe phaeocystidiosa*, *Mycena clavata*, *Omphalina arctica* and *Romagnesiella clavus*. Two genera of ascomycetoid fungi (Ascomycota): *Strossmayeria*, *Phaeomollisia* and 8 species are reported as new to Finland: *Arachnopeziza delicatula*, *Hyaloscypha diabolica*, *Hyalopeziza* cf. *tianschanica*, *Phaeomollisia piceae*, *Phialina pseudopuberula*, *Sphaeropeziza hepaticarum*, *Strossmayeria basitricha* and *Trichopeziza subsulphurea*.

Information of species recently published elsewhere: *Cortinarius angustisporus*, *C. cacaodiscus*, *C. caesioarmeniacus*, *C. centrirufus*, *C. crassisporus*, *C. cruentiphyllus*, *C. davemallochii*, *C. ferrugineovelatus*, *C. furvus*, *C. fuscescens*, *C. murinascens*, *C. privignipallens*, *C. pseudofervidus*, *C. roseivelatus*, *C. roseocastaneus*, *C. subbrunneoideus*, *C. subexitiosus*, *C. squamivenetus*, *C. uraceisporus*, *Hebeloma eburneum*, *H. salicicola*, *Hygrophorus exiguus* and *Psathyrella fenoscandica* is brought here together. New records of little collected and rare taxa *Coprinopsis patouillardii*, *Cuphophyllum cinerellus*, *Galerina perplexa*, *Galerina pruinatipes*, *Gorgoniceps hypothallosa*, *Inocybe boreocarelica*, *Marasmius setosus*, *Psathyrella potteri*, *Psathyrella tenuicula*, *Russula adulterina*, *Russula pyriodora*, *Scutellinia trechispora*, *Sowerbyella imperialis* and *Volvariella murinella* are also listed. Corrections of previous information are given on: *Cortinarius angulosus* (under *C. duristipes*), *Coprinopsis patouillardii* and *Psathyrella potteri*.

## Introduction

Here we present records of 58 fungal taxa, based on field work and on herbarium studies. Total of 23 taxa are new to Finland. Information concerning 23 species recently published elsewhere, is brought together. New records of 14 little collected and rare species are listed. We also include additions and corrections to previous information. Coordinates are given in Uniform Coordinate System (USC). H= Botanical Museum, Finnish Museum of Natural History, OULU= Botanical Museum, University of Oulu, TUR= Herbarium, University of Turku, TUR-A = Biological Collections of Åbo Akademi University, Herbarium, JYV= Natural history collections of Jyväskylä University Museum.

## Basidiomycota

*Agaricus macrocarpus* (F.H. Møller) F.H. Møller FINLAND. Tavastia australis (**Ta/EH**), Hämeenlinna. On grassland with coniferous trees. UCS 676:336, coll. Lahja Hakala 05.X.1954, det. N. Malmström, conf. Tapio Kekki (H6055828); Ostrobotnia ultima (**Obu/PeP**), Kemi, Ajos. On dry *Pinus* heath with *Arctostaphylos uva-ursi*. UCS 7287447:3388088, coll. & det. Tapio Kekki 1714, 05.X.2014 (H6051799), conf. Henning Knudsen.

There have earlier been doubts about its existence in Finland. This large to very large species resembles *Agaricus arvensis*. The species was found from Kemi, Ajos also in October 2015 with cap width of 28 cm. New to Finland.

*Arrhenia obatra* (J. Favre) Redhead, Lutzoni, Moncalvo & Vilgalys

FINLAND. Lapponia enontekiensis (**Le/EnL**), Enontekiö, Kilpisjärvi, Malla. On soil near a path in oroarctic heath. UCS 76784:32463, coll. & det. Paavo Höijer 4006, 21.VIII.2005 (H6049937); Enontekiö, Saana. On soil near a path in mountain birch forest. UCS 76750:32533, coll. & det. Paavo Höijer 3075, 19.VIII.2001 (H6049938).

Very rare or overlooked taxon. On naked soil or on silty soil with low mosses and *Salix herbacea* above timberline in arctic/alpine areas (Knudsen & Vesterholt 2012). New to Finland.

*Arrhenia obscurata* (D.A. Reid) Redhead, Lutzoni, Moncalvo & Vilgalys

FINLAND. Nylandia (**N/U**), Porvoo, Peippola. On naked sandy soil. UCS 66972:34246, coll. & det. Paavo

Höijer 1852, 07.VI.1996 (H6049939); Tavastia australis (**Ta/EH**), Ruovesi, Valkeajärvi. On naked sandy soil near a gravel pit. UCS 68649:33569, coll. & det. Paavo Höijer 4082, 07.IX.2005 (H6049940); Ylöjärvi, Kuru, Länsi-Aure. On naked sandy soil near a road. UCS 68790:33093, coll. & det. Paavo Höijer 4085, 08.IX.2005 (H6049941).

On naked soil with low mosses. Common from temperate to arctic/alpine areas (Knudsen & Vesterholt 2012). New to Finland.

*Arrhenia rigidipes* (Lamouré) Redhead, Lutzoni, Moncalvo & Vilgalys

FINLAND. Lapponia sompiensis (**Lks/Sol**), Pelkosenniemi, Suvanto. On sandy soil among mosses (*Polytrichum piliferum*). UCS 745150:351237, coll. & det. Paavo Höijer 4865, 28.VIII.2008 (H6049942); Savukoski, Aihkimännikkö. On naked soil. UCS 745439:353889, coll. & det. Paavo Höijer 4829, 26.VIII.2008 (H6049943).

Very rare or overlooked taxon. On naked soil and pioneer vegetation with low mosses, usually on moist places like lake shores and along streams in arctic/alpine areas (Knudsen & Vesterholt 2012). New to Finland.

*Coprinellus brevisetulosus* (Arnolds) Redhead, Vilgalys & Moncalvo

FINLAND. Savonia australis (**Sa/ES**), Joutsa, Leivonmäki, Taka-Ikola, Kivijärvi. Birch dominated wood-pasture, on cow dung. UCS 6874671:3454747, coll. Kaisa Mustola 135 & Mika Toivonen, 04.IX.2010, det. Paavo Höijer (JYV); Joutsa, Puttola, Vähä-Puttola. Birch dominated wood pasture, on cow dung. USC 6855010:3447004, coll. Kaisa Mustola 267 & Mika Toivonen, 08.IX.2010, det. Paavo Höijer (JYV); Joutsa, Ruhalahti, Liukkonen. Mixed wood-pasture, on cow dung. USC 6848929:3471707, coll. Kaisa Mustola 1656 & Mika Toivonen, 19.VIII.2012, det. Paavo Höijer (JYV).

New to Finland.

*Coprinopsis patouillardii* Quél.

FINLAND. Savonia australis (**Sa/ES**), Joutsa, Ruhalahti, Liukkonen. Mixed wood-pasture, on horse dung. USC 6848932:3471662, coll. Kaisa Mustola 1653 & Mika Toivonen, 19.VIII.2012, det. Paavo Höijer (JYV); Joutsa, Leivonmäki, Taka-Ikola, Kivijärvi. Spruce dominated wood-pasture, on cow dung. UCS 6874910:3454615, coll. Kaisa Tervonen 3361 & Lotta Sundström, 11.IX.2013, det. Paavo Höijer (JYV); Tavastia borealis (**Tb/PH**), Äänekoski, Suolahti, Aatula. Mixed wood-pasture, on horse dung. USC 6938624:3439519, coll. Kaisa Mustola 2000 & Panu Halme, 07.IX.2012, det. Paavo Höijer (JYV).

Correction of previous information: Earlier included in *Coprinus muscorum* P. Karst.

***Coprinus candidatus*** Uljé

FINLAND. Savonia australis (**Sa/ES**), Joutsa, Leivonmäki, Taka-Ikola, Kivijärvi. Spruce dominated wood-pasture, on cow dung. UCS 68748:34544, coll. Kaisa Tervonen 3387 & Lotta Sundström, 11.IX.2013, det. Paavo Höijer (JYV); Tavastia borealis (**Tb/PH**), Hankasalmi, Havusalmi, Lääni. Spruce dominated wood-pasture, on cow dung. UCS 6928:3462, coll. Kaisa Tervonen 3856 & Lotta Sundström, 24.IX.2013, det. Paavo Höijer (JYV).

New to Finland.

***Cortinarius angustisporus*** Kytöv., Niskanen & Liimat.

FINLAND. Finland, Ostrobothnia kajanensis (**Ok/Kn**), Väyrylä, Pääkkö, between Iso Vuorijärvi and the road. Fairly rich spruce forest with some *Pinus*, *Betula*, *Populus tremula*, and *Salix*. UCS 7185:3537, coll. Ilkka Kytövuori 97-1557, 15.IX.1997 (H); Regio kuusamoënsis (**Ks/Ks**), Kuusamo, Oulanka National Park, forests close to Kiutaköngäs. Dry *Pinus sylvestris* heath forest with some *Picea* and *Betula* on sandy and calcareous soil. UCS 7365-6:3604, 01.IX.2002, coll. Ilkka Kytövuori, Kare Liimatainen & Tuula Niskanen 02-792 (H6031933, holotype); Lapponia sompiensis (**Lks/Sol**), Pelkosenniemi, Suvanto, N side of the river Kitinen, Kalkkivaaran lehto. Dry grass-herb forest of *Picea*, *Pinus* and *Juniperus* with some *Betula*, *Salix* and *Populus*, dolomite rocks. UCS 7455:3503-4, coll. Ilkka Kytövuori 08-316, 28.VIII.2008 (H6033451).

In dry *Pinus* heathlands, on sandy soil. Described in 2014 (Niskanen 2014b). Belongs to subgenus *Telamonina*.

***Cortinarius cacaodiscus*** Liimat., Niskanen & Kytöv.

FINLAND. Regio kuusamoënsis (**Ks/Ks**), Kuusamo, Oulanka National Park, N side of Kiutaköngäs. Rich, dry, rocky pine forest with some *Picea*, *Betula*, and *Populus tremula*, on calcareous ground. UCS 7366: 3604, coll. Ilkka Kytövuori 07-807, 26.VIII.2007 (H6001040, holotype).

In coniferous forests on calcareous ground, presumably rare. In Finland only known from Kuusamo. Described in 2014 (Liimatainen 2014a). Belongs to subgenus *Telamonina*.

***Cortinarius caesioarmeniacus*** Kytöv., Niskanen & Liimat.

FINLAND. Satakunta (**St/St**), Äetsä, Kiikan-Illo, Hoipo. Mesic spruce forest with some *Betula* and *Populus*. UCS 679:328, coll. Ilkka Kytövuori, 07.VIII.2000 (H); Tavastia borealis (**Tb/PH**), Virrat, Hauhuu, SE side of the lake Hauhuunvesi, Sikosaari, Salmela. Coniferous forest. UCS 6900: 3341, coll. Ilkka Kytövuori (Tuula Niskanen 04-036), 02.VIII.2004 (H6029884); Ostrobothnia kajanensis

(**Ok/Kn**), Kuhmo, Kalliojoki, Riihivaara. Mesic old spruce forest. UCS 7127:3654, coll. Ilkka Kytövuori, 29.VIII.1999 (H); Puolanka, Paljakka, Pirunkirkko. Mesic spruce forest. UCS 7179:3545, coll. Ilkka Kytövuori, 16.VIII.2002 (H).

In mesic spruce-dominated forests, common. Described in 2014 (Liimatainen 2014b). Belongs to subgenus *Telamonina*, section *Firmiores*.

***Cortinarius centrirufus*** Kytöv., Niskanen & Liimat.

FINLAND. Alandia (Al/A), Finström, Grelsby, NE side of the sandy road to Lillö. Fairly rich spruce forest with scattered *Betula* and *Corylus avellana*. UCS 6701:3110, coll. Jukka Vauras 16764F, 23.VIII.2000 (TUR-A); Nylandia (**N/U**), Kirkkonummi, Lapträsk W. Mesic mixed forest with *Picea*, *Betula*, and *Populus*. UCS 6673:3349, coll. Ilkka Kytövuori 00-037, 24.VIII.2000, (H, holotype).

In *Picea* dominated forests, presumably associated with *Betula* or *Populus*. Described in 2014 (Niskanen 2014b). Belongs to subgenus *Telamonina*, section *Subbalaustini*.

***Cortinarius crassisporus*** Kytöv., Niskanen & Liimat.

FINLAND. Ostrobothnia kajanensis (**Ok/Kn**), Suomussalmi, Raate. In the three-year-old forest fire area on the hill between Jännevaara and Pyöriäisenvaara in the frontier zone. *Picea* dominated burnt, intact old-growth forest. Coll. Tiina Laine & Pekka Rahko 699, 05.VIII.1995 (F032227, OULU); Ostrobothnia ultima (**Obu/PeP**), Tervola, Vähäjoki, Kuusikkokivalo. Mesic *Picea* forest, on ant hill. UCS 7338:3437, coll. Ilkka Kytövuori, 09.IX.2012 (H).

In *Picea* dominated forests on calcareous soil, rare. Described in 2014 (Niskanen 2014b). Belongs to subgenus *Telamonina*.

***Cortinarius cruentiphyllus*** Niskanen, Liimat., Kytöv., Ammirati, Dima, L. Albert & K.W. Hughes,

FINLAND. Nylandia (**N/U**), Espoo, Luukkaa Outdoor Recreation Area, W side of the lake Kaitalampi, Nature Reserve Area. Mesic spruce forest (*Picea abies*). UCS 6692: 3370, coll. Kare Liimatainen & Tuula Niskanen 05-001, 16.VIII.2005 (H6031523, holotype).

In conifer-dominated forests, in hemiboreal and southern boreal zone. Presumably occasional but poorly known because previously included in *C. semisanguineus*. Described in 2014 (Niskanen 2014a). Subgenus *Dermocybe*.

***Cortinarius davemallochii*** Ammirati, Niskanen & Liimat.

FINLAND. Nylandia (N/U), Porvoo, Pohjakka, S part of Suurisuo. On open fen among *Sphagnum*. UCS 6695:3431, coll. Ulla Salo & Pertti Salo 10695, 06.VIII.2006 (H6002046).

In damp conifer-dominated forests and bogs among *Sphagnum*, in hemiboreal and boreal zone. Presumably occasional but poorly known. Described in 2014 (Niskanen 2014a). Subgenus *Dermocybe*.

***Cortinarius duristipes*** Kytöv., Niskanen & Liimat = *C. angulosus* in Kytövuori et al. (2005)

Correction of previous information: A new name for the species was published in 2014 (Niskanen 2014b).

***Cortinarius ferrugineovelatus*** Kytöv., Liimat. & Niskanen

FINLAND. Ostrobothnia kajanensis (Ok/Kn), Suomussalmi, Näljänkä, Lohivaara. Spruce-dominated forest (*Picea*, *Pinus*, *Betula*, *Populus tremula*, and *Salix*) with fairly rich grass-herb depressions. UCS 7240:3558-9, coll. Ilkka Kytövuori 97-1345, 13.IX.1997 (H6033576).

In hemiboreal to boreal *Picea* dominated forests on calcareous soil, poorly known. Described in 2014 (Liimatainen 2014b). Belongs to subgenus *Telamonina*.

***Cortinarius furvus*** Liimat., Niskanen & Kytöv.

FINLAND. Ålandia (Al/A), Jomala commune, Önningeby, N of Södervik. Mesic (to moist) spruce forest with some *Pinus sylvestris* and *Betula* on calcareous ground. UCS 66992-6:31082-5, coll. Kare Liimatainen & Tuula Niskanen 06-320, 27.X.2006 (H, holotype).

In *Picea abies* dominated forests on calcareous ground. To date only known from Åland Islands. Described in 2014 (Liimatainen 2014b). Belongs to subgenus *Telamonina*.

***Cortinarius fuscescens*** Kytöv., Niskanen & Liimat.

FINLAND. Regio aboënsis (Ab/V), Vihti, Salmenkartano, Lammasniemi W. *Picea* forest with some deciduous trees. UCS 6697:3362, coll. Ilkka Kytövuori 04-049, 30.VIII.2004 (H), 30.VIII.2005 (H); Kisko, Viitari, Kivimäki, near the limestone mine. Mesic, fairly old spruce forest (*Picea abies*) on rich to calcareous ground. UCS 6690:3303, 16.XIII.2000, coll. Ilkka Kytövuori & Tuula Niskanen (H); Nylandia (N/U), Espoo. Luukki, dust road to the pond Hauklampi (W road). Mesic to damp *Pi-*

*cea abies* dominated forest. UCS 66927:33723, coll. Kare Liimatainen & Tuula Niskanen 08-008, 17.VIII.2008 (H6001898, holotype); Helsinki, Kivinokka. Mesic spruce forest with some *Pinus*, *Betula*, *Sorbus aucuparia*, and *Salix*. UCS 6677:3390, coll. Ilkka Kytövuori 98-1499, 29.VIII.1998 (H6032744); Tavastia borealis (Tb/PH), Laukaa, Hitonhauta SE. *Picea* dominated forest by the brook, with *Betula*, *Populus*, and *Salix*. UCS 6931-2:3435-6, coll. Ilkka Kytövuori et al. 04-048, 10.IX.2004 (H); Virrat, Hauhuu, E side of the lake Hauhusselkä, between the small road and Maununkydöt. Mesic spruce forest with some *Pinus*, *Betula* and *Populus*. UCS 6901:3341, coll. Ilkka Kytövuori 08-1968, 17.VIII.2008 (H6033579).

In mesic forests with *Picea* often on rich to calcareous soil, presumably occasional. Described in 2014 (Niskanen 2014b). Belongs to subgenus *Telamonina*.

***Cortinarius murinascens*** Kytöv., Niskanen & Liimat.

FINLAND. Nylandia (N/U), Helsinki, Vuosaari N, at the beginning of the hiking road. Mesic mixed forest, at the road bank. UCS 6680:3397, coll. Ilkka Kytövuori 01-058, 04.X.2001 (H); Ostrobothnia kajanensis (Ok/Kn), Paltamo, Melalahti. Gently sloping grass-herb spruce forest with abundant *Pinus*, *Betula*, *Populus* and *Alnus incana*, 7145:3535, coll. Ilkka Kytövuori 08-1430, 10.VIII.2008 (H); Puolanka, Väyrylä, Pääkkö, between Iso Vuorijärvi and the road. Fairly rich grass-herb spruce forest with some *Pinus*, *Betula*, *Populus tremula*, and *Salix*, by a track. UCS 7185:3537, coll. Ilkka Kytövuori 97-1550, 15.IX.1997 (H); Suomussalmi, Kiannanniemi, Vasonniemi, Lautalahti E. Fairly rich grass-herb mixed forest of *Picea*, *Betula* and *Populus tremula*, with some *Pinus*, *Alnus incana* and *Salix*. UCS 7227:3598, coll. Ilkka Kytövuori 08-958, 4.IX.2008 (H, holotype); Ostrobothnia ouluensis (Obo/OP), Keminmaa, Alapaakkola. Rich spruce forest. UCS 73085-90:4067-9, coll. Ilkka Kytövuori 07-407, 20.VIII.2007 (H); Ostrobothnia ultima (Obu/PeP), Ylitornio, Kuusikkorompaat Nature Reserve. Sloping grass-herb spruce forest, eutrophic depression with *Juniperus*, *Populus*, *Betula*, *Cypripedium*. UCS 7373:3401, coll. Ilkka Kytövuori 97-1114, 09.IX.1997 (H); Ylitornio, Palommas Nature Reserve. Grass-herb spruce forest with eutrophic depressions, *Populus tremula*, *Populus*, *Cypripedium*. UCS 7374:3401, coll. Ilkka Kytövuori 97-1046-1049, 09.IX.1997 (H); Regio kuusamoënsis (Ks/Ks), Kuusamo, Oulanka National Park, Ampumavaara. Rich grass-herb spruce forest with some *Pinus*, *Betula* and *Populus tremula*, on calcareous ground. UCS 7366:3603, coll. Ilkka Kytövuori, Kare Liimatainen & Tuula Niskanen, 02-814 (H); coll. T. Niskanen et al. 02-884, 18.IX.2002 (H); coll. T. Niskanen et al. 02-1032, 22.IX.2002 (H); coll. T. Niskanen et al. 02-1093, 23.IX.2002 (H); coll. Mika Toivonen & Ilkka Kytövuori 07-1085, 01.IX.2007 (H); Taivalkoski, Rintelä. Fairly old mesic spruce forest with few *Pinus*,

*Betula*, *Populus* and *Salix*. UCS 7280:3562, coll. Ilkka Kytövuori 08-668, 01.IX.2008 (H); *Lapponia sompiensis* (**Lks/Sol**), Pelkosenniemi, Suvanto, Kalkkivaara. Steeply S, to the river sloping dry grass-herb forest of *Picea*, *Pinus* and *Juniperus* with some *Betula*, *Salix* and *Populus*, dolomite rocks. UCS 7455:3503–4, coll. Ilkka Kytövuori 08-307&308, 28.VIII.2008 (H).

In herb-rich, mesic to damp, conifer-dominated forests presumably with *Betula* and *Populus* on calcareous soil, more seldom in less eutrophic habitats. Described in 2014 (Niskanen 2014b). Belongs to subgenus *Telamonina*.

***Cortinarius privignipallens*** Kytöv., Niskanen & Liimat.

FINLAND. Regio aboënsis (**Ab/V**), Vihti, Lintumäki. Mesic spruce forest. UCS 670:335, coll. Hanna Tuovila & Ilkka Kytövuori 01-057, 7.X.2001 (H); Nyländia (**N/U**), Espoo, Nuuksio National Park, Högbacka N. Mesic spruce forest with some *Pinus* and *Betula*. UCS 6692:3363, coll. Ilkka Kytövuori 04-050, 21.IX.2004, (H, holotype); Sipoo, Hindsby, Sipoonkorpi National Park. Mesic spruce forest. Coll. Ilkka Kytövuori, 07.X.2005 (H); Karelia australis (**Ka/EK**), Anjalankoski, Kaipiainen. Mesic spruce forest with pines and few birches and hardwood bushes. UCS 6755:3506, coll. Ilkka Kytövuori 94-571, 15.IX.1994 (H); Tavastia australis (**Ta/EH**), Virrat, Monoskylä. Mesic spruce forest. UCS 6900:3343, coll. Ilkka Kytövuori 97-2310b, 12.X.1997 (H); Tavastia borealis (**Tb/PH**), Laukaa, Äijälä, Heinäaho. Mesic spruce forest. Coll. Juhani Ruotsalainen, 10.IX.2004 (H). Saarijärvi, Mahlu, Jylhänpuro. Damp spruce forest. UCS 6950:3398, coll. Ilkka Kytövuori 08-1922, 16.IX.2008, (H); Saarijärvi, Pyhä-Häkki National Park, Mastomäki. Mesic to dryish, old spruce forest. UCS 6971-2:3422, coll. Ilkka Kytövuori 08-1870, 16.IX.2008 (H); Ostrobothnia kajanensis (**Ok/Kn**), Kajaani, Hietalahti, Lehmiavaara. Grass-herb spruce forest. UCS 7137:3544, coll. Ilkka Kytövuori 08-1669, 13.IX.2008 (H).

In mesic to damp forests with *Picea* on rich to calcareous soil, but also on less eutrophic ground, occasional to common. Described in 2014 (Niskanen 2014b). Belongs to subgenus *Telamonina*.

***Cortinarius pseudofervidus*** Niskanen, Liimat., Ammirati & Kytöv.

FINLAND. Regio aboënsis (**Ab/V**), Perniö. Herb-rich *Picea abies* dominated forest with some *Pinus*, *Betula*, *Corylus*, and *Quercus*, coll. Maija-Liisa & Pekka Heinonen 881-2004 (TUR); Ostrobothnia ultima (**Obu/PeP**), Kiiminki. *Picea abies* forest, coll. Martti Ohenoja, 31.VIII.1972 (OULU).

In *Picea abies* dominated forests, in hemiboreal and boreal zone, often on rich ground. Pre-

sumably occasional but poorly known. Described in 2014 (Niskanen 2014a). Subgenus *Dermocybe*.

***Cortinarius roseivelatus*** Kytöv., Liimat. & Niskanen

FINLAND. Tavastia australis (**Ta/EH**), Lahti, Pesäkalio, Nature Reserve Area. *Picea*-dominated forest with some hardwood bushes along a small road. UCS 6768:3429, coll. Ilkka Kytövuori & Tea v. Bonsdorff, 30.IX.2002 (H6033527); Ostrobothnia kajanensis (**Ok/Kn**), Sotkamo, Hiidenportti. *Picea*-dominated forest. Coll. Jukka Vauras (T. Niskanen 01-2001), 07.IX.2001 (H, holotype); Suomussalmi, Ämmänsaari, Pyykkölänvaara. Mesic *Picea* forest, on ant hill. UCS 7186: 3588, coll. Ilkka Kytövuori 08-1060, 06.IX.2008 (H6032742).

Fairly rare in mesic to submesic *Picea* forests in the boreal zone. Described in 2014 (Liimatainen 2014a). Subgenus *Telamonina*.

***Cortinarius roseocastaneus*** Niskanen, Liimat. & Kytöv.

FINLAND. Regio aboënsis (**Ab/V**), Turku, Ruissalo, Honkapirtti. Deciduous forest of *Quercus robur*, *Corylus avellana*, and some *Betula* on mull soil. UCS 67117-9:32329-31, coll. Kare Liimatainen & Tuula Niskanen 08-072, 03.IX.2008 (H6001968); Kare Liimatainen & Tuula Niskanen 08-094, 13.IX.2008 (H6001997, holotype).

In hemiboreal deciduous forests (*Quercus robur*, *Corylus avellana*) on mull soil. Described in 2014 (Liimatainen 2014a). Subgenus *Telamonina*.

***Cortinarius subbrunneoideus*** Kytöv., Liimat. & Niskanen

FINLAND. Regio kuusamoënsis (**Ks/Ks**), Kuusamo, Oulanka National Park, W end of Ampumavaara, N of the Biological station. Rich grass-herb spruce forest with some *Pinus*, *Betula*, and *Populus tremula*, on calcareous soil, with damp depressions. UCS 7366:3603, coll. Ilkka Kytövuori 07-852, 27.VIII.2007 (H6001085, holotype).

In herb-rich, mesic to damp *Picea* dominated forests on calcareous soil. In Finland only known from Kuusamo. Described in 2014 (Niskanen 2014b). Belongs to subgenus *Telamonina*, section *Bovini*.

***Cortinarius subexitiosus*** Liimat., Niskanen, Kytöv. & Ammirati

FINLAND. Ostrobothnia ultima (**Obu/PeP**), Tornio, Kalkkima, Tuppivaara, Nature Reserve Area (west). Fairly young, submesic mixed forest on calcareous soil (*Picea abies*, *Betula*, *Populus tremula*, and some *Pinus sylves-*

*tris*). UCS 7314-5:3383-4, coll. Kare Liimatainen & Tuula Niskanen 04-547, 30.VIII.2004 (H6029589).

In conifer dominated, mixed forests. In Finland only known from Tornio area. Described in 2014 (Niskanen 2014b). Belongs to subgenus *Telamonia*.

***Cortinarius squamivenetus*** Kytöv., Liimat. & Niskanen

FINLAND. Regio kuusamoënsis (**Ks/Ks**), Kuusamo, Oulanka National Park, Camping place – Puukkorinne. Rich grass-herb forest with *Picea*, *Pinus*, *Betula* and *Populus tremula*, on calcareous ground. UCS 7366:603, coll. Ilkka Kytövuori 07-871, 27.VIII.2007 (H6001104, holotype); Kuusamo, Korvasvaara. Rich *Picea* forest, coll. Liisa Seppänen 66, 19.VIII.1983 (H); coll. Esteri Ohenoja, Anna Liisa Ruotsalainen & Riitta Takala, 18.VIII.2002 (OULU, H).

In coniferous forests on calcareous ground. Very rare, to date known from Finland, Kuusamo. Described in 2014 (Liimatainen 2014a). Subgenus *Leprocybe*.

***Cortinarius uraceisporus*** Niskanen, Kytöv. & Liimat.

FINLAND. Regio aboënsis (**Ab/V**), Kisko, Leilä, S side of the road to Orjanperä. Dryish to submesic spruce forest (*Picea abies*) on rich ground with *Corylus* thickets and some *Populus tremula*, and *Betula*. UCS 66821-4:33128-9, coll. Kare Liimatainen & Tuula Niskanen 07-050a, 01.VIII.2007 (H6001791, holotype); coll. Tuula Niskanen 00-270, 03.VIII.2000 (H6031502); Nylandia (N/U), Vantaa, Askisto, Friimetsä. Grass-herb forest with some *Pinus*, *Betula* and *Populus tremula*. UCS 6688:3378, coll. Ilkka Kytövuori 09-080 (H6033563), 09-081 (H), 09-082 (H); Tavastia australis (**Ta/EH**), Hattula, Nihattula, Ilveskallio. Fairly rich spruce forest with few *Corylus*. UCS 6770:3355-6, Ilkka Kytövuori 04-047, 23.VIII.2004 (H).

In herb-rich, mesic to damp *Picea* dominated forests, often under *Corylus*, on rich to calcareous soil, but also on less eutrophic habitats. Described in 2014 (Niskanen 2014b). Belongs to subgenus *Telamonia*.

***Cuphophyllus cinerellus*** (Kühner) Bon

FINLAND. Lapponia enontekiensis (**Le/EnL**), Enontekiö, Kilpisjärvi, S of Jehkasjärvi. Alpine heath. UCS 76799:32531, coll. Mauri Lahti 70/14, 24.VIII.2014, det. Emanuele Campo (TUR-A).

Earlier reported from Regio Kuusamoënsis (**Ks/Ks**), Kuusamo (F070098, OULU); Lapponia sompiensis (**Lks/SoL**), Savukoski (F070099, OULU); Ostrobothnia ultima (**Obu/PeP**), Kemi-

järvi (F042607, OULU) as *Hygrocybe cinerella* (Kühner) Arnolds or as *Camarophyllus cinerellus* Kühner (Höijer 1999). In fens and moist to dry heathlands in boreal zone (Knudsen & Vesterholt 2012), in northern Finland. New record of this little collected taxon.

***Entoloma plebejum*** (Kalchbr.) Noordel.

FINLAND. Ostrobothnia ultima (**Obu/PeP**), Rovaniemi, Pullinpuoli. Abandoned old farmhouse yard under *Picea abies*, *Larix sibirica* and *Betula*. UCS 737996:344459, coll. & det. Tapio Kekki 548, 24.V.2012 (TUR).

Vernal species. The locality in Rovaniemi was destroyed because of the construction work in 2013. New to Finland.

***Galerina perplexa*** A.H. Sm.

FINLAND. Savonia australis (**Sa/ES**), Joutsa, Leivonmäki, Taka-Ikola, Kivijärvi. Mixed wood-pasture. UCS 6874824:3455094, coll. Kaisa Mustola 2658 & Anni Markkanen, 19.IX.2012, det. Kaisa Mustola (JYV); Tavastia australis (**Ta/EH**), Jämsä, Hassi, Pohjola. Mixed wood-pasture. UCS 6850599:3400776, coll. Anni Markkanen 5355 & Mika Toivonen, 22.IX.2012, det. Kaisa Mustola (JYV); Tavastia borealis (**Tb/PH**), Äänekoski, Suolahdi, Aatula. Mixed wood-pasture. UCS 6938642:3439474, coll. Kaisa Mustola 2024b & Panu Halme, 07.IX.2012, det. Kaisa Mustola (JYV).

Among mosses (*Rhytidiadelphus*) in forests, pastures and grasslands in temperate/boreal areas (Knudsen & Vesterholt 2012). New records of a little collected and rare species.

***Galerina pruinatipes*** A.H. Sm.

FINLAND. Tavastia australis (**Ta/EH**), Ruovesi. Along highway 66 at Ryövärinkuoppa Conservation Area. On very decayed wood (*Alnus*) in spring habitat. UCS 686612:335161, coll. Tea v. Bonsdorff, 07.IX.2005 det. Gro Gulden 2005, GG109/05 (O); Savonia borealis (**Sb/PS**), Piekämäki, Hirvijärvi, Mataramäentie 651. A protected spring in relatively normal spruce forest, on a mossy trunk fallen to the spring. UCS 691864:350036, coll. & det. Sepko Huhtinen 11/23, 12.IX.2011 (TUR 194022); Lapponia kittilensis (**Lkk/KiL**), Kittilä, Aakenustunturi. On decaying *Picea abies* log fallen over a creek. UCS 7512653:3396291, coll. & det. Tapio Kekki 1911, 27.VIII.2015 (H6049936); Lapponia sompiensis (**Lks/SoL**), Sodankylä commune, Urho Kekkonen National Park, Nattastunturit, SSW foot of Pyhä-Nattanen, at the beginning of the footpath from the forest road. Springy depression with spruce-hardwoods swamp, *Salix* spp. Growing on well decayed *Betula*. UCS 7558:3514, coll. & det. (as *G. cf. pruinatipes*) Ilkka Kytövuori 23.VIII.1990 (H6041850), conf. Tea v. Bonsdorff 2005.

Rare species in the Nordic Countries. All known Finnish collections are listed here. This very acrid tasting species grows on well decayed wood in moist microhabitats, usually in spring habitats, in unmanaged spruce-dominated forests on *Betula*, *Alnus* and on *Picea* in the Nordic Countries (Gulden & von Bonsdorff 2000, von Bonsdorff et al. 2014). All known Finnish collections are listed here. Kittilä locality is the fourth record of this red-listed, Endangered (EN) species.

***Hebeloma eburneum*** Malençon

FINLAND. Regio aboënsis (**Ab/V**), Turku, town, Mäntymäki. On lawn under *Tilia*. UCS 67121:32401, coll. Jukka Vauras 23655, 22.IX.2005 (TUR-A, C), det. Ursula Eberhardt by molecular studies.

A species of *Hebeloma crustuliniforme* group, which has been found in several habitats but not in arctic or alpine areas, in Austria, Belgium, Czech Republic, Denmark, England, Estonia, France, Germany, Hungary, Macedonia, Morocco, Netherlands, Poland, Sweden and Switzerland (Eberhardt et al. 2015).

***Hebeloma salicicola*** Beker, Vesterh. & U. Eberh.

FINLAND. Nylandia (**N/U**), Hanko, Tvärminneby, at the old brickyard, on calcareous soil under *Salix*. UCS 66425:32874, coll. Jukka Vauras 13610, 22.IX.2005 (TUR-A, C), det. Ursula Eberhardt by molecular studies.

This species of *Hebeloma* subsection *Denudata* has typically two-coloured pileus with darker centre. It grows with *Salix* and *Populus*, mostly on sandy, both acid and calcareous soils, also in alpine and arctic areas. It is known from Belgium, Estonia, France, Netherlands, Poland, Spain, Svalbard and Wales (Eberhardt et al. 2015).

***Hydnum vesterholtii*** Olariaga, Grebenc & Salcedo

FINLAND. Regio aboënsis (**Ab/V**), Lohja, Virkkala, Pähkinäniemi. *Corylus* forest with some *Betula* and *Populus*, on calcareous ground. UCS 6680:3332-3, coll. Kare Liimatainen & Tuula Niskanen 12-012, 16.IX.2012 (H).

In hemiboreal deciduous forests on calcareous ground, presumably rare. New to Finland.

***Hygrophorus exiguus*** E. Larss., E. Campo & M. Carbone

FINLAND. Regio kuusamoënsis (**Ks/Ks**), Kuusamo, Oulanka National Park, Ampumavaara, E side of Liikasen-

vaarantie. Moist *Picea abies* dominated mixed forest, growing among fruiting bodies of *Tricholoma inamoenum*. UCS 7366:3603, coll. Federico Calleda, Emilio Pini, Gianluigi Boerio & Matteo Carbone, 18.VIII.2009, holotype TUR-A, isotype GB.

A small, pale grey to grey species with pinkish tint of lamellae and a faint odour of marzipan. Known from Finland only from type locality, but also from one locality in Italy, Lombardia, from France, and from several places in Sweden, in Dalsland, Västergötland and Västerbotten. Found to grow often together with *Tricholoma inamoenum* (Larsson et al. 2014).

***Inocybe boreocarelica*** Kokkonen & Vauras

FINLAND. Tavastia borealis (**Tb/PH**), Multia, Sahrajärvi, Lehtomäki. Spruce dominated wood-pasture. UCS 69319:34044, coll. Kaisa Mustola 1229a & Anni Markkanen, 07.VIII.2012, det. Kaisa Tervonen, conf. Jukka Vauras (JYV); Savonia borealis (**Sb/PS**), Sonkajärvi, Venäjänjärvi, W side of the main road. Forest with *Picea abies* and scattered *Betula* and *Pinus sylvestris*. UCS 7078:3520, coll. Jukka Vauras 28320, 19.VIII.2011, det. Balint Dima with ITS (TUR-A).

Earlier known in Finland only from Karelia borealis (**Kb/PK**) (von Bonsdorff et al. 2012). New records of a little collected species.

***Inocybe phaeocystidiosa*** Esteve-Rav., G. Moreno & Bon

FINLAND. Ostrobothnia ultima (**Obu/PeP**), Tornio, Kalkkima, near limestone processing plant and quarries. On forest track, near *Betula*, *Picea abies* and *Populus tremula*, calcareous site. UCS 73149:33840, coll. Juhani Ruotsalainen & Jukka Vauras 2712F, 11.VIII.1987 (TUR-A, GB); Lapponia enontekiensis (**Le/EnL**), Enontekiö, Kilpisjärvi, Tsahkaljohka. Rather moist forest with *Betula pubescens* subsp. *czerepanovii*. UCS 7671:3256, coll. Juhani Ruotsalainen & Jukka Vauras 4798F, 15.VIII.1990 (TUR-A, GB). Both collections determined by Ellen Larsson by comparing sequences with those from the holotype in 2015.

A species with nodulose spores and totally pruinose stipe, known mainly from alpine areas as *I. salicis-herbaceae* Kühner (Kühner 1988). According to sequence work by Ellen Larsson the name by Kühner is a synonyme of *I. phaeocystidiosa*, published one year earlier (Esteve-Raventos & Moreno 1987, Esteve-Raventos et al. 2015, Larsson et al. 2015). New to Finland.



***Marasmius setosus*** (Sowerby) Noordel.

FINLAND. Tavastia borealis (**Tb/PH**), Äänekoski, Konginkangas, Rimppi. Mixed wood-pasture, not grazed. UCS 6958698:3440409, coll. Kaisa Mustola 1977 & Panu Halme 6.IX.2012, det. Kaisa Mustola (JYV); Tavastia australis (**Ta/EH**), Luhanka, Sydänmaa, Tarmola. Birch dominated wood-pasture, not grazed. UCS 6850519:3435054, coll. Kaisa Tervonen 3065 & Lotta Sundström, 29.VIII.2013, det. Kaisa Tervonen (JYV); Luhanka, Tammijärvi, Mäentalo. Mixed wood-pasture. UCS 6859378:3437367, coll. Kaisa Tervonen 3725, Lotta Sundström & Panu Halme 19.IX.2013, det. Kaisa Tervonen (JYV).

Usually on *Fagus* leaves, but also on *Salix* and *Betula*. Very common in temperate zone (Knudsen & Vesterholt 2012). Most likely quite common but overlooked in boreal zone. New records of a little collected species.

***Mycena clavata*** (Peck) Redhead

FINLAND. Tavastia australis (**Ta/EH**), Jämsä, Kalmavirta, Hallinmäki, Sammalsuo. Spruce dominated old-growth forest, on the bark of a fallen, large trunk of *Picea abies*. UCS 6894367:3401657, coll. & det. Panu Halme PH11192, 06.IX.2013 (JYV); Tavastia australis (**Ta/EH**), Kuhmoinen, Isojärvi national park, Latokuusikko. Spruce dominated old-growth forest, on the bark of a fallen, large trunk of *Picea abies*. UCS 6843778:3395933, coll. & det. Panu Halme PH11419, 12.IX.2013, conf. Tea v. Bonsdorff (JYV).

New to Finland.

***Omphalina arctica*** Lamoure

FINLAND. Ostrobothnia ultima (**Obu/PeP**), Tervola, Kätkävaara, NW side of the lake Kätkäjärvi. On moist soil among mosses, near also very young trees and bushes (*Betula pubescens*, *B. pendula*, *Alnus incana* and *Salix phylicifolia*). UCS 734980:340950, coll. & det. Paavo Höijer 5517, 04.IX.2013 (H6049944).

Very rare or overlooked taxon. Deep in wet mosses e.g. *Paludella* in arctic/alpine areas (Knudsen & Vesterholt 2012). New to Finland.

***Psathyrella fennoscandica*** Örstadius & E. Larss.

FINLAND. Regio aboënsis (**Ab/V**), Kustavi, Iso-Rahi, Leonsaari, W of Isoperä bay. UCS 6733:3192, coll. Jukka Vauras 12059, 3.XI.2005 (TUR-A); Nylandia (**N/U**), Tuusula, Ruotsinkylä, coll. Ilkka Kytövuori 93-602a, 31.VIII.1993 (H).

The species has red brown pileus, rather scanty veil, bulbous stipe base, and it grows in moist oligotrophic habitats both on wood and on soil, on litter. It is known also from Sweden and Norway (Örstadius et al. 2015).

***Psathyrella potteri*** A.H. Sm.

FINLAND. Savonia australis (**Sa/ES**), Joutsa, Leivonmäki, Taka-Ikola, Kivijärvi. Birch dominated wood-pasture. UCS 68746:34547, coll. Kaisa Mustola 143 & Mika Toivonen, 04.IX.2010, det. Ilkka Kytövuori (JYV).

Correction of previous information: Included earlier in *Psathyrella prona* (Fr.) Gillet.

***Psathyrella tenuicula*** (P. Karst.) Örstadius & Huhtinen

FINLAND. Savonia australis (**Sa/ES**), Joutsa, Leivonmäki, Kivisuo, Haapalehto. Birch dominated wood-pasture, not grazed. UCS 6866865:3449872, coll. Kaisa Mustola 215 & Mika Toivonen, 06.IX.2010, det. Ilkka Kytövuori (JYV).

The first record from Finland is Tammela 1879. The second Finnish record of this very rare species.

***Romagnesiella clavus*** (Romagn.) Contu, P.-A.

Moreau, Vizzini & A. de Haan

FINLAND. Ostrobothnia ultima (**Obu/PeP**), Keminmaa church yard. On dry grassland near *Pinus*. UCS 73042:33879, coll. Tapio Kekki 1612, 07.IX.2014, det. Mika Toivonen and Tapio Kekki (H6051596).

This small fungi has resemblance to genera *Galerina*, *Tubaria* and *Flammulaster*. It was earlier known as *Galerina clavus*, but Matheny et al. (2015) described a new genus *Romagnesiella* where they included this species. *Romagnesiella clavus* is a rare and maybe also overlooked species in the whole Europe. In Scandinavia one collection exist in Sweden and probably two in Denmark by the name *Galerina embolus*, which is also a synonym for *R. clavus* (Matheny et al. 2015). Picture of *R. clavus* from Keminmaa was published in Sienilehti (Kekki 2014) with the name *Galerina clavus*. New to Finland. Also the genus is new to the country.

***Russula adulterina*** Fr. sensu Romagn.

FINLAND. Tavastia australis (**Ta/EH**), Jyväskylä, Korpilahti, Putkilahti, Könnö. Mixed wood-pasture. UCS 68665:34329, coll. Kaisa Mustola 2234 & Anni Markkanen, 12.IX.2012, det. Juhani Ruotsalainen (JYV).

New record of a little collected and rare species.

***Russula pyriodora*** Ruots.

FINLAND. Regio kuusamoënsis (**Ks/Ks**), Kuusamo, Oulanka National Park, Runsuniitty. On herb-rich meadow near *Betula*, *Picea abies* and *Pinus sylvestris* at brookside,

on calcareous soil. UCS 73673:36020, coll. & det. Jukka Vauras 31097 (TUR-A).

This rare and little collected species was earlier known from only two localities in Ostrobothnia kajanensis (**Ok/Kn**), Paltamo, and Savonia borealis (**Sb/PS**), Nilsjä (Ruotsalainen & Huhtinen 2011, Bonsdorff et al. 2012). All the three known localities are on calcareous soil at brooksides.

### *Volvariella murinella*

FINLAND. Regio aboënsis (**Ab/V**), Salo, Särkisalo, Förby. Near *Pinus*-dominated forest with *Picea abies* and *Juniperus communis* on calcareous ground, at the roadside. UCS 6669185:270382, coll. Tea v. Bonsdorff 15-155 (H6049947), det. Lasse Kosonen.

On calcareous soil in forests, grasslands, gardens, parks etc. Rare in temperate to boreal zone (Knudsen & Vesterholt 2012. Kytövuori et al. 2005b). Sixth known localities in Finland of which Ostrobothnia ultima (**Obu/PeP**), Rovaniemi, Kivitaipale (F023245, OULU) is the most northern.

New record of little collected and rare species.

## Ascomycota

### *Arachnopeziza delicatula* Fuckel

FINLAND. Regio aboënsis (**Ab/V**), Turku, Urusvuori, Piipanoja. A meandering stream, with a lush meadow vegetation of *Alnus*, *Salix*, *Picea abies* and *Betula*. On a trunk of a decayed deciduous tree. UCS 6718238: 3242074, coll. Timo Kosonen TK7036, 14.V.2015, det. Seppo Huhtinen & Timo Kosonen (TUR).

New to Finland.

### *Gorgoniceps hypothallosa* Svrček

FINLAND. Savonia australis (**Sa/ES**), Joutsa, Leivonmäki national park, Syysjärvi. Spruce dominated old managed forest, on a fallen, large trunk of *Pinus sylvestris*. UCS 6871291:3448656, coll. Jenna Purhonen JP4283, 25.VIII.2013, det. Seppo Huhtinen (JYV); Tavastia borealis (**Tb/PH**), Rautalampi, Etelä-Konnevesi national park, Kalajanvuori. Spruce dominated old-growth forest, on a fallen, large trunk of *Pinus sylvestris*. UCS 6941702:3484756, coll. Jenna Purhonen JP5222, 29.VIII.2013, det. Seppo Huhtinen (JYV); Tavastia australis (**Ta/EH**), Kuhmoinen, Isojärvi national park, Latokuusikko. Spruce dominated old-growth forest, on a fallen, large trunk of *Pinus sylvestris*. UCS 6843799:3395969, coll. Nerea Abrego JP5656, 12.IX.2013, det. Seppo Huhtinen (JYV); Muurame, Isolähti, Tikkamäki. Spruce dominated old managed forest, on a fallen, large trunk

of *Pinus sylvestris*. UCS 6902146:3424724, coll. Jenna Purhonen JP6903, 29.VIII.2013, det. Seppo Huhtinen (JYV).

The species was reported as new to Finland in 2013 (von Bonsdorff et al. 2013), based on a single collection from 1989. Raitviir & Huhtinen (2002) found the species to be rather common when going through a material of more than 2000 collections of lignicolous ascomycetes. All finds were from *Pinus sylvestris*.

### *Hyaloscypha diabolica* Huhtinen

FINLAND. Tavastia australis (**Ta/EH**), Muurame, Isolähti, Tikkamäki. Spruce dominated old managed forest, on a fallen, large trunk of *Picea abies*, on a dead resupinate polypore fruit body. UCS 6901614:3423758, coll. Jenna Purhonen JP5951, 17.IX.2013, det. Seppo Huhtinen & Jenna Purhonen (JYV).

This species was reported for the first time from Europe by Galán & Raitviir (1994). This is the second report from the continent. New to Finland.

### *Hyalopeziza cf. tianschanica* Raitv.

FINLAND. Karelia borealis (**Kb/PK**), Outokumpu, Rikkaranta, Talviniemi. On a leaf of *Betula* sp. UCS 69643: 35899, coll. Marja Pennanen MP150918, 09.IX.2015, det. Seppo Huhtinen (TUR).

Reported as new to Europe, although with some uncertainty. The scanty material had partly juvenile asci and spores, which might be the cause for a slight mismatch in the characters. But the two characteristic hair types reported by Raschle (1977) from the type specimen were very prominent.

### *Phaeomollisia piceae* T.N. Sieber & Grünig

FINLAND. Savonia borealis (**Sb/PS**), Suonenjoki, Viipero, Ilmakkamäki. Spruce dominated old managed forest, on a fallen, large trunk of *Betula* sp. UCS 6934168: 3497418, coll. Jenna Purhonen JP6676, 23.IX.2013, det. Seppo Huhtinen (JYV).

This rarely collected species (Grünig et al. 2009) is new to Finland. Also the genus is new to the country.

### *Phialina pseudopuberula* (Graddon) Raitv.

FINLAND. Karelia borealis (**Kb/PK**), Outokumpu, Rikkaranta, Eskola. On a dead *Epilobium angustifolium* leaf. UCS 69641: 35899, coll. Marja Pennanen MP150725 08.VII.2015, det. Seppo Huhtinen (TUR); Karelia borealis (Kb/PK), Outokumpu, Rikkaranta, Eskola. On a dead *Ep-*

*ilobium angustifolium* leaf. UCS 69642: 35898, coll. Marja Pennanen MP150944 19.IX.2015, det. Seppo Huhtinen (TUR).

Huhtinen (1990) found relatively large variability in the small material studied. Six names were synonymized. Ongoing DNA study will possibly reveal a too wide circumscription. New to Finland.

***Scutellinia trechispora*** (Berk. & Broome) Lamb. FINLAND. Alandia (Al/A), Kökar, Hamnö, close to the church, in a tractor trail on clayey soil. UCS 6661300: 3158550, coll. & det. Seppo Huhtinen 15/49, 09.X.2015 (TUR); Lapponia kittilensis (Lkk/KiL), Muonio, on clayey soil in a ditch. UCS 754:336. Coll. Viljo Kujala, 08.VIII.1951 (H).

According to Schumacher (1990) this taxon was reported from Finland by Denison (1959) under the name *S. armatospora* Denison, based on a 1871 collection by Karsten. Meanwhile, the species has been collected only once. New record of little collected and rare species.

***Sphaeropezia hepaticarum*** (Döbblers & Poelt)

Baloch & Wedin

FINLAND. Regio aboensis (Ab/V), Kaarina, Ala-Lemu. Hepaticolous; abundant in leaf axils on *Barbilophozia barbata* growing on boulder in heath forest. UCS 6706675: 3240712, coll. & det. Tarja Marsh, 21.VII.2015 (TUR).

New to Finland.

***Strossmayeria basitricha*** (Sacc.) Dennis

FINLAND. Tavastia australis (Ta/EH), Muurame, Iso-lahti, Kuusimäki Nature Reserve. Spruce dominated old-growth forest, on a fallen, large trunk of *Betula*. UCS 6902043:3421810, coll. Jenna Purhonen JP916, 23.IX.2010, det. Seppo Huhtinen (TUR); JP10370 01.X.2015, det. Jenna Purhonen (JYV).

Rather sparsely collected species. Also the genus is new to the country. New to Finland.

***Sowerbyella imperialis*** (Peck) Korf

FINLAND. Regio aboensis (Ab/V), Salo, Särkisalo, Förby. On *Pinus*-dominated hill forest with *Juniperus communis*, on calcareous ground with mosses. An old limestone quarry area. UCS 6672045:3270478, coll. Taina Romppanen 29.IX.2015, det. Seppo Huhtinen (TUR 205252).

Third known locality in Finland. Other localities are Parainen, Regio aboensis (Ab/V) and Urjala, Tavastia australis (Ta/EH) (von Bonsdorff et al. 2014). Red-listed as Critically endangered (CR) in Finland (Rassi et al. 2010; von Bonsdorff

et al. 2010). New record of little collected and rare species.

***Trichopeziza subsulphurea*** (Svrček) Baral

FINLAND. Regio aboensis (Ab/V), Turku, Yliopistonmäki. On a cut stump of *Fraxinus excelsior*. UCS 6713962: 3240648, coll. Sanna Huttunen, 07.III.2015, det. Seppo Huhtinen & Timo Kosonen (TUR).

New to Finland.

\**Acknowledgements.* The work on *Cortinarius* and *Hydnum* was supported by the Societas Pro Fauna et Flora Fennica, the Ministry of Environment, Finland (YM38/5512/2009), Finnish Cultural Foundation (FinBOL-project), and Kone Foundation (FinBOL-project). The work of JP, KT and PH was funded by the Finnish Ministry of Environment through a PUTTE grant to PH.

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