

Old-growth forest fungi – new localities and habitat and host preferences in Slovakia (I)

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Abbreviations

PVKU (private fungarium of Vladimír Kunca); **PGRMRS** (private fungarium of Maroš Peiger); **TMKPVL** (private fungarium of Pavol Tomka); **JV** (private fungarium of Josef Vlasák); **BRA**, **BRNM**, **BRNU**, **MJ**, **PRM**, **PRC**, **SLO** – abbreviations of public herbaria according to Index Herbariorum (Thiers on-line); **NNR** – National Nature Reserve; **NR** – Nature Reserve; **PA** – Protected Area; **SOD** – stage of decay; **w.b.d.** – “will be deposited”.

List of compiled records:

Amylocystis lapponica

Veľká Fatra Mts. – Kornietová NNR, alt. 1070 m, montane virgin forest, mixture of spruce, fir and beech, on fallen trunk of *Picea abies*, SOD: 3, 19 Sept. 2017, leg. et det. M. Paulíny (TMKPVL, MJ 5385); *ibid.*, alt. 1095 m, on fallen trunk of *Picea abies*, SOD: 2, 10 Oct. 2017, leg. et det. V. Kunca (PVKU 2087); *ibid.*, alt. 1010 m, on fallen trunk of *Picea abies*, SOD: 3, 17 Sept. 2018, leg. et det. M. Peiger, rev. P. Vampola (TMKPVL, MJ 5748); *ibid.*, alt. 1000 m, on fallen trunk of *Picea abies*, SOD: 3, 17 Sept. 2019, leg. et det. P. Tomka, rev. P. Vampola (TMKPVL, MJ 6905); *ibid.*, alt. 1105 m, on fallen trunk of *Picea abies*, 27 Sept. 2019, leg. et det. M. Kříž (PRM 955061); *ibid.*, alt. 1000 m, on fallen trunk of *Picea abies*, SOD: 3, 14 Sept. 2020, leg. et det. M. Peiger (PGRMRS). – Jarabinská old-growth forest, alt. 1100 m, montane natural forest, mixture of beech, fir and spruce, on fallen trunk of *Picea abies*, SOD: 3, 19 Sept. 2020, leg. et det. M. Paulíny (TMKPVL). – Kundračka NNR, alt. 1050 m, montane virgin forest, mixture of beech, fir and spruce, on fallen trunk of *Picea abies*, SOD: 2–3, 20 Sept. 2018, leg. et det. M. Peiger (TMKPVL, MJ 5790); *ibid.*, alt. 1105 m, on fallen trunk of *Picea abies*, SOD: 3, 26 Sept. 2019, leg. et det. J. Běťák (pers. fung. no. KUN007/9, w.b.d. in BRNU). – Tmavá, 13 km S of Ľubochňa, alt. 1100 m,

montane near-natural to natural forest, mixture of spruce, fir, beech, pine and larch, on fallen trunk of *Picea abies*, SOD: 3, 16 Sept. 2018, leg. et det. M. Peiger, rev. P. Vampola (TMKPVL, MJ 5732). – Skalná alpa NNR, Dvorisko old-growth forest, alt. 1150 m, montane virgin forest, mixture of beech and spruce, on fallen trunk of *Picea abies*, SOD: 3, 20 Sept. 2017, leg. et det. M. Peiger (TMKPVL, MJ 5386); *ibid.*, alt. 1160 m, on fallen trunk of *Picea abies*, SOD: 3, 20 Sept. 2017, leg. et det. M. Peiger (TMKPVL, MJ 5387); *ibid.*, alt. 1180 m, on fallen trunk of *Picea abies*, SOD: 3, 20 Sept. 2017, leg. et det. M. Peiger (TMKPVL, MJ 5388); *ibid.*, alt. 1150 m, on fallen trunk of *Picea abies*, SOD: 3, 18 Sept. 2018, leg. et det. P. Tomka, rev. P. Vampola (TMKPVL, MJ 5758); *ibid.*, alt. 1150 m, on fallen trunk of *Picea abies*, SOD: 3, 18 Sept. 2018, leg. J. Šmihula, det. M. Peiger, rev. P. Vampola (MJ 5759); *ibid.*, alt. 1100 m, on fallen trunk of *Picea abies*, SOD: 3, 18 Sept. 2018, leg. et det. M. Paulíny, rev. P. Vampola (MJ 5760); *ibid.*, alt. 1100 m, on fallen trunk of *Picea abies*, SOD: 3, 16 Sept. 2019, leg. et det. M. Peiger (TMKPVL); *ibid.*, southern part, alt. 1109 m, on fallen trunk of *Picea abies*, SOD: 4, 24 Sept. 2019, leg. et det. J. Běťák (pers. fung. no. SKA008/33, w.b.d. in BRNU); *ibid.*, northern part, alt. 1141 m, on fallen trunk of *Picea abies*, SOD: 3, 25 Sept. 2019, leg. et det. D. Dvořák (pers. fung. no. SKA004/41, w.b.d. in BRNU); *ibid.*, alt. 1112 m, on fallen trunk of *Picea abies*, SOD: 3, 25 Sept. 2019, leg. et det. D. Dvořák (pers. fung. no. SKA005/12, w.b.d. in BRNU); *ibid.*, western part, alt. 1087 m, on fallen trunk of *Picea abies*, SOD: 3, 14 Oct. 2019, leg. et det. L. Majdanová (pers. fung.). – Skalná alpa NNR, Skalná alpa old-growth forest, alt. 1200 m, montane virgin to natural forest, mixture of beech and spruce, on fallen trunk of *Picea abies*, SOD: 3, 15 Sept. 2020, leg. et det. M. Peiger (TMKPVL). – Jánošíkova kolkáreň NNR, alt. 1276 m, montane natural spruce forest, on fallen trunk of *Picea abies*, SOD: 2, 3 Sept. 2017, leg. et det. D. Dvořák (pers. fung. no. JAK088/15, w.b.d. in BRNU), *ibid.*, alt. 1420 m, on fallen trunk of *Picea abies*, SOD: 1, 10 Oct. 2017, leg. et det. V. Kunca (PVKU 2089). **Západné Tatry Mts.** – Tichá dolina, Brdárova zvonica old-growth forest, alt. 1500 m, montane virgin spruce forest, on fallen trunk of *Picea abies*, SOD: 2, 21 July 2021, leg. et det. M. Peiger, rev. P. Tomka (TMKPVL). **Nízke Tatry Mts.** – Salatín NNR, alt. 1050 m, montane natural forest, mixture of spruce, fir and beech, on fallen trunk of *Picea abies*, SOD: 2, 9 Oct. 2020, leg. et det. V. Kunca (PVKU 2941). – Škribňovo, 0.5 km N of Malužiná, alt. 1040 m, montane near-natural to natural forest, mixture of fir, spruce, pine, beech and larch, on fallen trunk of *Picea abies*, SOD: 3, 3 Nov. 2018, leg. et det. M. Peiger, rev. P. Vampola (TMKPVL, MJ 5805). **Veporské vrchy Mts.** – Dobročský prales NNR, alt. 700–1000 m, montane virgin to natural forest, mixture of fir, spruce and beech, *Abies alba*, 29 Aug. 1961, leg. et det. F. Kotlaba et Z. Pouzar (PRM

886142); *ibid.*, alt. 700–1000 m, *Picea abies*, 30 Aug. 1961, leg. et det. F. Kotlaba et Z. Pouzar (PRM 886161); *ibid.*, alt. 700–1000 m, *Picea abies*, 30 Aug. 1961, leg. et det. F. Kotlaba et Z. Pouzar (PRM 886182); *ibid.*, alt. 700–1000 m, *Picea abies*, 31 Aug. 1961, leg. et det. F. Kotlaba et Z. Pouzar (PRM 886132); *ibid.*, alt. 700–1000 m, *Picea abies*, 31 Aug. 1961, leg. et det. F. Kotlaba et Z. Pouzar (PRM 886133); *ibid.*, *Picea abies*, 4 Sept. 1962, leg. et det. F. Kotlaba et Z. Pouzar (PRM 886130); *ibid.*, *Abies alba*, 6 Sept. 1962, leg. et det. A. Pilát (PRM 886131); *ibid.*, 6 Sept. 1962, leg. et det. M. Svrček (PRM 568361); *ibid.*, 6 Sept. 1962, leg. I. Fábry (BRA CR4658); *ibid.*, on lying trunk of *Picea abies*, 9 Oct. 1993, leg. et det. P. Vampola (MJ 4160); *ibid.*, on lying trunk of *Picea abies*, 29 Sept. 1994, leg. et det. P. Vampola (MJ 4159), *ibid.*, on lying trunk of *Abies alba*, 12 Sept. 1995, leg. et det. P. Vampola (MJ 3915); *ibid.*, on lying trunk of *Picea abies*, 12 Sept. 1995, leg. et det. P. Vampola (MJ 4189); *ibid.*, alt. ca 800 m, *Picea abies*, 12 Sept. 1995, leg. et det. P. Vampola (PRM 886748); *ibid.*, on lying trunk of *Abies alba*, 11 Sept. 1998, leg. et det. P. Vampola (MJ 4561); *ibid.*, on lying trunk of *Abies alba*, 12 Sept. 1998, leg. et det. V. Antonín (BRNM 642412); *ibid.*, alt. 870 m, *Picea abies*, lying trunk, 12 Sept. 1998, leg. L. Hagara (BRA CR16069); *ibid.*, alt. 850 m, on lying trunk of *Abies alba*, 12 Sept. 1998, leg. et det. J. Slavíček (HR P077167); *ibid.*, on lying trunk of *Abies alba*, 26 Sept. 2000, leg. et det. P. Vampola (MJ 4628); *ibid.*, on lying trunk of *Picea abies*, 26 Sept. 2000, leg. et det. P. Vampola (MJ 4635); *ibid.*, alt. 960 m, *Picea abies*, cut surface of decayed lying trunk, 5 Oct. 2008, leg. L. Hagara (BRA CR16070); *ibid.*, on fallen trunk of *Picea abies*, 5 Oct. 2008, leg. et det. P. Vampola (MJ 5166); *ibid.*, alt. 950 m, on *Picea* trunk, 7 Oct. 2008, leg. A. Molia (BRA CR12870); *ibid.*, on fallen trunk of *Picea abies*, 26 Sept. 2009, leg. et det. P. Vampola (MJ 5209); *ibid.*, alt. 960 m, *Picea abies*: fallen trunk without bark, 29 Sept. 2009, leg. et det. J. Holec (PRM 899167); *ibid.*, alt. 955 m, on fallen trunk of *Picea abies*, SOD: 2, 27 Sept. 2013, leg. V. Kunca, det. P. Vampola (PVKU 1057, 1061, 1063); *ibid.*, alt. 960 m, on fallen trunk of *Picea abies*, SOD: 2, 22 Oct. 2020, leg. et det. V. Kunca (PVKU 3030). – NNR Klenovský Vepor, alt. 1270 m, montane natural forest, mixture of spruce, fir and beech, on fallen trunk of *Picea abies*, SOD: 3, 21 Oct. 2015, leg. et det. V. Kunca (PVKU 1559); *ibid.*, alt. 1120 m, on fallen trunk of *Picea abies*, SOD: 3, 11 Oct. 2019, leg. et det. L. Zíbarová (HR B011000); *ibid.*, on fallen trunk of *Picea abies*, SOD: 2, 11 Oct. 2019, leg. et det. M. Kříž (PRM 955062). **Vysoké Tatry Mts.** – Nefcerka old-growth forest, southern part, alt. 1442 m, montane virgin spruce forest, on fallen trunk of *Picea abies*, 8 Sept. 2017, leg. et det. D. Dvořák (pers. fung. no. DD 170908–05, w.b.d. in BRNU).

Antrodia labyrinthica

Štiavnické vrchy Mts. – Drastvica old-growth forest, alt. 657 m, submontane natural to near-natural forest, mixture of fir, beech, oaks, limes, maples and ash, on fallen trunk of *Abies alba*, SOD: 3, 10 April 2018, leg. et det. V. Kunca (PVKU 2228). – Kojatín NNR, alt. 500 m, submontane natural oak forest, on fallen trunk of *Abies alba*, SOD: 3, 26 May 2016, leg. V. Kunca, det. J. Vlasák (PVKU 1674, MJ 6119). – Sitno NNR, alt. ca 750–800 m, submontane natural to near-natural forest, mixture of oak, fir and beech, on *Abies alba*, 9 Aug. 1894, leg. A. Kmeť, rev. F. Kotlaba et Z. Pouzar (PRM 494356). **Kremnické vrchy Mts.** – Dolný Chlm old-growth forest, alt. 875 m, montane virgin to natural forest, mixture of fir and beech, on fallen trunk of *Abies alba*, SOD: 2, 4 Oct. 2013, leg. V. Kunca, det. P. Vampola (PVKU 1086); *ibid.*, on fallen trunk of *Abies alba*, 24 Oct. 2017, leg. et det. V. Kunca (PVKU 2124). – Klzký vrch old-growth forest, alt. 650 m, montane natural forest, mixture of fir and beech, on fallen trunk of *Abies alba*, SOD: 2, 18 Aug. 2016, leg. et det. V. Kunca (PVKU 1810). – Mláčik NNR, alt. 870 m, montane near-natural forest, mixture of fir and beech, on fallen trunk of *Abies alba*, SOD: 2, 16 Jan. 2014, leg. et det. V. Kunca, rev. P. Vampola (PVKU 1165, MJ 6297). – Badínsky prales NNR, alt. ca 700 m, submontane to montane natural to near-natural forest, mixture of fir and beech, on fallen trunk of *Abies alba*, 30 Sept. 1994, leg. et det. P. Vampola (MJ 4194); *ibid.*, on fallen trunk of *Abies alba*, 16 Oct. 1996, leg. Ľ. Varjú, det. P. Vampola (MJ 5449); *ibid.*, on fallen trunk of *Abies alba*, 6 Oct. 2008, leg. et det. P. Vampola (MJ 5172); *ibid.*, alt. 785 m, on fallen trunk of *Abies alba*, SOD: 3, 10 Jan. 2014, leg. et det. V. Kunca, rev. P. Vampola (PVKU 1158, MJ 6294); *ibid.*, on fallen trunk of *Abies alba*, SOD: 2, 5 March 2014, leg. et det. V. Kunca (PVKU 1185). **Veporské vrchy Mts.** – Dobročský prales NNR, montane virgin to natural forest, mixture of fir, spruce and beech, on fallen trunk of *Abies alba*, 18 Sept. 1989, leg. et det. J. Vlasák (JV 8909/40; Vlasák et al. 2013).

Ionomidotis irregularis

Laborecká vrchovina Mts. – Komárnická jedlina NNR, alt. 505 m, submontane natural to near-natural forest, mixture of fir and beech, on fallen trunk of *Fagus sylvatica*, SOD: 3, 11 Oct. 2014, leg. et det. V. Kunca (PVKU 1347). **Bukovské vrchy Mts.** – Stužica NNR, montane virgin forest, mixture of fir and beech, *Fagus sylvatica*, 22 Oct. 1987, leg. et det. Z. Pouzar (PRM 854508); *ibid.*, alt. 760 m, on fallen trunk of *Fagus sylvatica*, SOD: 3, 6 Oct. 2016, leg. et det. V. Kunca (PVKU 1916). – Rožok NNR, alt. 525 m, submontane virgin

beech forest, on fallen trunk of *Fagus sylvatica*, SOD: 3, 12 Oct. 2012, leg. et det. V. Kunca (PVKU 798). **Vihorlatské vrchy Mts.** – Vihorlat NNR, alt. 1005 m, montane natural to near-natural beech forest, on fallen trunk of *Fagus sylvatica*, SOD: 3, 29 Sept. 2011, leg. V. Kunca, det. S. Glejdura (PVKU 559).

Skeletocutis odora

Vtáčnik Mts. – Oslany, 1.2 km ENE of Lômy recreation area, alt. 690 m, lying trunk of *Abies alba*, 26 Sept. 2002, leg. L. Hagara (BRA CR15863). – Veľký Grič old-growth forest, alt. 832 m, submontane to montane natural to near-natural forest, mixture of fir and beech, on fallen trunk of *Abies alba*, SOD: 3, 20 Oct. 2020, leg. et det. V. Kunca (PVKU 3010). **Veľká Fatra Mts.** – Maďarovo old-growth forest remnant, alt. 1150 m, montane natural beech, fir and spruce forest, on fallen trunk of *Picea abies*, SOD: 3, 18 Sept. 2020, leg. et det. M. Peiger, rev. P. Vampola (TMKPVL, MJ 7577). – Kornietová NNR, alt. 1050 m, montane virgin forest, mixture of spruce, fir and beech, on fallen trunk of *Picea abies*, SOD: 3, 19 Sept. 2017, leg. M. Peiger, det. P. Vampola (TMKPVL, MJ 6180); *ibid.*, alt. 1000 m, on fallen trunk of *Picea abies*, SOD: 3, 31 July 2018, leg. et det. P. Tomka, rev. P. Vampola (TMKPVL, MJ 5738); *ibid.*, alt. 1000 m, on fallen trunk of *Picea abies*, SOD: 3, 17 Sept. 2018, leg. M. Peiger, det. P. Vampola (MJ 5745); *ibid.*, alt. 1080 m, on fallen trunk of *Picea abies*, SOD: 3, 14 Sept. 2020, leg. et det. M. Peiger, rev. P. Vampola (TMKPVL, MJ 7567). – Skalná alpa NNR, Dvorisko old-growth forest, alt. 1150 m, montane virgin forest, mixture of beech and spruce, on fallen trunk of *Abies alba*, SOD: 3, 18 Sept. 2018, leg. P. Tomka, det. P. Vampola (TMKPVL, MJ 5769); *ibid.*, southern part, alt. 1109 m, on fallen trunk of *Picea abies*, SOD: 4, 24 Sept. 2019, leg. et det. J. Běťák (pers. fung. no. SKA008/8, w.b.d. in BRNU). – Skalná alpa NNR, Skalná alpa old-growth forest, alt. 1150 m, montane virgin to natural forest, mixture of beech and spruce, on fallen trunk of *Picea abies*, SOD: 3, 22 Sept. 2017, leg. M. Paulíny, det. P. Vampola (TMKPVL, MJ 6191). – Kundračka NNR, alt. 1050 m, montane virgin forest, mixture of beech, fir and spruce, on fallen trunk of *Picea abies*, SOD: 2–3, 20 Sept. 2018, leg. M. Peiger, det. M. Peiger et P. Tomka, rev. P. Vampola (TMKPVL, MJ 5785); *ibid.*, alt. 1050 m, on fallen trunk of *Abies alba*, SOD: 3, 20 Sept. 2018, leg. M. Peiger, det. P. Vampola (TMKPVL, MJ 5782); *ibid.*, alt. 1040 m, on fallen trunk of *Picea abies*, SOD: 3, 19 Sept. 2019, leg. et det. P. Tomka, rev. P. Vampola (TMKPVL, MJ 6917); *ibid.*, alt. 1062 m, on fallen trunk of *Abies alba*, SOD: 3, 25 Sept. 2019, leg. et det. M. Kříž, rev. P. Vampola (PRM 953969). – Kračkov, alt. 1200 m, montane virgin to natural forest, mixture of beech and spruce, on fallen trunk of *Picea abies*, SOD: 3,

20 Sept. 2019, leg. M. Paulíny, det. P. Tomka, rev. P. Vampola (TMKPVL, MJ 6920); *ibid.*, alt. 1200 m, on fallen trunk of *Picea abies*, SOD: 2–3, 20 Sept. 2019, leg. et det. M. Peiger (TMKPVL). **Malá Fatra Mts.** – Šramková NNR, alt. 961 m, montane virgin forest, mixture of spruce, fir and beech, on fallen trunk of *Picea abies*, SOD: 3, 8 Oct. 2019, leg. et det. M. Kříž, rev. P. Vampola (PRM 953970). **Západné Tatry Mts.** – Kotlov žľab NNR, alt. ca 1270 m, montane virgin to natural spruce forest, on fallen trunk of *Picea abies*, 29 Sept. 1985, leg. et det. J. Vlasák (JV 8510/1). **Štiavnické vrchy Mts.** – Sitno NNR, alt. 880 m, submontane natural to near-natural forest, mixture of oak, fir and beech, on fallen trunk of *Abies alba*, SOD: 3, 3 Sept. 2018, leg. et det. V. Kunca, rev. P. Vampola (PVKU 2335, MJ 5842). – Čierne blatá, ca 3 km NW of the village of Prenčöv, alt. ca 500 m, on *Alnus glutinosa*, 23 May 1889, leg. A. Kmeť, rev. F. Kotlaba (BRA, not confirmed; published in Kotlaba 1984). – Babí potok, surrounding of the village of Prenčöv, alt. ca 450 m, on *Alnus glutinosa*, 23 May 1889, leg. A. Kmeť, rev. F. Kotlaba (BRA, not confirmed; published in Kotlaba 1984). **Kremnické vrchy Mts.** – Lanckove skaly old-growth forest remnant, alt. 585 m, submontane to montane natural to near-natural forest, mixture of fir and beech, on fallen trunk of *Abies alba*, SOD: 2, 5 Sept. 2019, leg. et det. V. Kunca, rev. P. Vampola (PVKU 2595, MJ 6753). – Dolný Chlm old-growth forest, alt. 880 m, montane virgin to natural forest, mixture of fir and beech, on fallen trunk of *Abies alba*, SOD: 2, 4 Oct. 2013, leg. V. Kunca, det. P. Vampola (PVKU 1085); *ibid.*, alt. 865 m, on fallen trunk of *Abies alba*, SOD: 2, 4 Oct. 2013, leg. V. Kunca, det. P. Vampola (PVKU 1090); *ibid.*, alt. 845 m, on fallen trunk of *Abies alba*, SOD: 4, 24 Oct. 2017, leg. et det. V. Kunca (PVKU 2125). – Mláčik NNR, alt. 885 m, montane near-natural forest, mixture of fir and beech, on fallen trunk of *Abies alba*, SOD: 3, 22 Nov. 2018, leg. et det. V. Kunca (PVKU 2447); *ibid.*, alt. 865 m, on fallen trunk of *Abies alba*, SOD: 3, 8 Oct. 2019, leg. V. Kunca, det. P. Vampola (PVKU 2661, MJ 6771). – Badínsky prales NNR, alt. ca 700 m, submontane to montane natural to near-natural forest, mixture of fir and beech, *Abies alba*, 4 Aug. 1973, leg. F. Kotlaba, det. Z. Pouzar (PRM 728872); *ibid.*, alt. 800 m, *Abies alba*, lying trunk, 27 Sept. 2000, leg. P. Vampola (BRA CR15862); *ibid.*, alt. ca 700 m, on fallen trunk of *Abies alba*, 28 Sept. 2009, leg. et det. P. Vampola (MJ 5217, MJ 5220); *ibid.*, alt. 770 m, on fallen trunk of *Abies alba*, SOD: 3, 17 Oct. 2013, leg. V. Kunca, det. P. Vampola (PVKU 1107); *ibid.*, alt. 805 m, on fallen trunk of *Abies alba*, SOD: 3, 10 Jan. 2014, leg. V. Kunca, det. P. Vampola (PVKU 1157); *ibid.*, alt. 820 m, on fallen trunk of *Abies alba*, SOD: 3, 17 Aug. 2016, leg. V. Kunca, det. P. Vampola (PVKU 1193). – Sielnica, 2 km NW of the village, alt. 430 m, submontane managed forest, mixture of fir and oak, on fallen trunk of *Abies alba*, SOD: 3,

8 Oct. 2013, leg. V. Kunca, det. P. Vampola (PVKU 1094). **Starohorské vrchy Mts.** – Flos old-growth forest remnant, alt. 815 m, remnant of montane natural to near-natural forest, mixture of spruce, fir and beech, on fallen trunk of *Abies alba*, SOD: 2, 15 June 2017, leg. et det. V. Kunca (PVKU 1995). **Zvolenská kotlina basin** – Plavno NNR, alt. 530 m, submontane near-natural forest, mixture of spruce, fir and beech, on fallen trunk of *Abies alba*, SOD: 3, 29 March 2018, leg. V. Kunca, det. P. Vampola (PVKU 2203). – Ponická dúbrava NNR, alt. 530 m, submontane near-natural forest, mixture of fir and oak, on fallen trunk of *Abies alba*, SOD: 3, 27 Oct. 2020, leg. et det. V. Kunca (PVKU 3054). **Javorie Mts.** – Kráľová, 300 m E of the hotel, alt. 725 m, submontane managed (special-purpose) forest, mixture of pine, oak and beech, part of fallen trunk of broadleaf, SOD: 2, 6 November 2020, leg. V. Kunca, det. P. Vampola (PVKU 3081, MJ 7671). **Nízke Tatry Mts.** – Škribňovo, 0.5 km N of Malužiná, alt. 1000 m, montane near-natural to natural forest, mixture of fir, spruce, pine, beech and larch, on fallen trunk of *Picea abies*, SOD: 3, 29 Aug. 2019, leg. M. Paulíny, det. P. Tomka, rev. P. Vampola (TMKPVL, MJ 6893). – Suchý vrch, 1 km SW of Svarín, alt. 850 m, montane near-natural forest, mixture of spruce, beech and fir, on fallen trunk of *Abies alba*, SOD: 2–3, 17 July 2021, leg. et det. M. Peiger (TMKPVL). **Poľana Mts.** – Hrochoťská dolina old-growth forest, alt. 855 m, submontane natural to near-natural forest, mixture of oak and beech, on fallen trunk of *Abies alba*, SOD: 3, 4 Dec. 2015, leg. V. Kunca, det. P. Vampola (PVKU 1602). **Veporské vrchy Mts.** – Dobročský prales NNR, alt. 700–1000 m, montane virgin to natural forest, mixture of fir, spruce and beech, *Picea abies*, 1 Sept. 1961, leg. et det. F. Kotlaba et Z. Pouzar (PRM 605721); *ibid.*, alt. 700–1000 m, *Abies alba*, 1 Sept. 1961, leg. et det. F. Kotlaba et Z. Pouzar (PRM 654359); *ibid.*, alt. 700–1000 m, *Picea abies*, 1 Sept. 1961, leg. et det. F. Kotlaba et Z. Pouzar (PRM 598373); *ibid.*, alt. 700–1000 m, *Picea abies*, 2 Sept. 1961, leg. et det. F. Kotlaba et Z. Pouzar (PRM 598365); *ibid.*, alt. 700–1000 m, *Picea abies*, 4 Sept. 1962, leg. et det. F. Kotlaba et Z. Pouzar (PRM 598366); *ibid.*, alt. 700–1000 m, *Abies alba*, 4 Sept. 1962, leg. F. Kotlaba et Z. Pouzar, det. Z. Pouzar (PRM 684456); *ibid.*, alt. 700–1000 m, *Abies alba*, 4 Sept. 1962, leg. F. Kotlaba, det. F. Kotlaba et Z. Pouzar (PRM 869278); *ibid.*, alt. 700–1000 m, 4 Sept. 1962, leg. et det. F. Kotlaba et Z. Pouzar (PRM 598369); *ibid.*, *Abies alba*, 6 Sept. 1962, leg. A. Pilát, det. F. Kotlaba (PRM 572075); *ibid.*, alt. 700–1000 m, *Picea abies*, 6 Aug. 1964, leg. F. Kotlaba, det. F. Kotlaba et Z. Pouzar (PRM 602333); *ibid.*, alt. 700–1000 m, *Picea abies*, 24 Sept. 1965, leg. et det. F. Kotlaba, Z. Pouzar et D.A. Reid (PRM 869279); *ibid.*, *Picea abies* or *Abies alba*, 15 Sept. 1988, leg. J. Lazebníček, det. F. Kotlaba et J. Lazebníček (PRM 865102); *ibid.*, alt. 700–1000 m, montane virgin to natural forest, mixture of fir, spruce and beech,

on fallen trunk of *Abies alba*, 9 Oct. 1993, leg. et det. P. Vampola (MJ 3058, MJ 3060); *ibid.*, alt. 700–1000 m, on fallen trunk of *Abies alba*, 29 Sept. 1994, leg. et det. P. Vampola (MJ 3637, MJ 3644); *ibid.*, alt. 700–1000 m, on fallen trunk of *Picea abies*, 29 Sept. 1994, leg. et det. P. Vampola (MJ 7707); *ibid.*, alt. 880 m, *Picea abies*, lying trunk, 13 Sept. 1995, leg. L. Hagara (BRA CR15861); *ibid.*, alt. 920 m, *Abies alba*, lying trunk, 13 Sept. 1995, leg. L. Hagara (BRA CR15860); *ibid.*, alt. 700–1000 m, on fallen trunk of *Abies alba*, 11 Sept. 1998, leg. et det. P. Vampola (MJ 4555); *ibid.*, alt. 700–1000 m, on fallen trunk of *Picea abies*, 11 Sept. 1998, leg. et det. P. Vampola (MJ 4556); *ibid.*, alt. 700–1000 m, on fallen trunk of *Picea abies*, 26 Sept. 2000, leg. et det. P. Vampola (MJ 4634); *ibid.*, alt. ca 700 m, on fallen trunk of *Abies alba*, 27 Sept. 2000, leg. et det. P. Vampola (MJ 4645); *ibid.*, alt. 940 m, on fallen trunk of *Abies alba*, 27 Sept. 2013, leg. V. Kunca, det. P. Vampola (PVKU 1056, PVKU 1070). – Klenovský Vepor NNR, alt. 1220 m, montane natural forest, mixture of spruce, fir and beech, on fallen trunk of *Picea abies*, SOD: 4, 11 Oct. 2019, leg. et det. M. Kříž, rev. P. Vampola (PRM 953973). **Kozie chrby Mts.** – Turková NNR, alt. 900 m, montane near-natural to natural forest, mixture of spruce, pine, beech, fir and larch, on fallen trunk of *Picea abies*, SOD: 3, 15 Aug. 2020, leg. M. Peiger, det. P. Tomka (collapsed fruitbody – not documented by voucher). – Hořková, 6 km NE of Svarín, alt. 1000 m, montane near-natural forest, mixture of spruce, beech, pine, fir and larch, on fallen trunk of *Picea abies*, SOD: 2–3, 5 July 2021, leg. et det. M. Peiger (TMKPVL). **Laborecká vrchovina Mts.** – Dranec NR, alt. ca 450 m, submontane natural to near-natural forest, mixture of fir and beech, *Abies alba*, 28 Sept. 1994, leg. et det. J. Vlasák (JV 9409/29). – Komárnická jedlina NNR, alt. 530 m, submontane natural to near-natural forest, mixture of fir and beech, on fallen trunk of *Abies alba*, SOD: 2, 13 June 2015, leg. et det. V. Kunca (PVKU 1432). **Slanské vrchy Mts.** – Slanská Huta, Izra, ca 3.5 km SE of the village, alt. 480 m, mixed managed broadleaf forest, on fallen trunk of *Fagus sylvatica*, 29 July 2017, leg. M. Lazor, det. P. Vampola (MJ 5940).

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Borská nížina lowland – Jubilejný les PA, alt. 173 m, fragment of mixed near-natural broadleaf forest, on fallen trunk of *Corylus avellana*, 30 Oct. 2019, leg. R. Cálal, det. P. Vampola (MJ 6678). – Červený rybník NNR, eastern part, alt. 195 m, fragment of alluvial near-natural forest, on fallen trunk of *Alnus glutinosa*, 2 Apr. 2017, leg. L. Hagara, det. P. Vampola (MJ 6089). **Chvojnická pahorkatina upland** – Unín, Hostečná studnička, 2 km ENE of the village, alt. 307 m, mixed managed broadleaf forest, on fallen trunk of broadleaf

(probably *Carpinus betulus*), 11 Aug. 2016, leg. R. Cáfal, det. P. Vampola (MJ 6699); *ibid.*, alt. 309 m, on fallen trunk of *Carpinus betulus*, 18 Aug. 2020, leg. R. Cáfal, det. P. Vampola (MJ 7610). **Malé Karpaty Mts.** – Bratislava, Železná Studienka, alt. 240 m, managed to near-natural broadleaf forest, on fallen trunk of *Fagus sylvatica*, 10 Aug. 2005, leg. L. Hagara, det. P. Vampola (MJ 6055); *ibid.*, 1015 m W–WNW of Kamzík summit, decayed lying trunk of *Fagus sylvatica*, 10 Aug. 2005, leg. et det. L. Hagara (BRNM 783311); *ibid.*, alt. 230 m, decayed lying trunk of *Fagus sylvatica*, 10 Aug. 2005, leg. et det. L. Hagara (BRA CR17650); *ibid.*, alt. 250 m, *Fagus sylvatica*, decayed lying trunk, 10 Aug. 2005, leg. et det. L. Hagara (BRA CR17651); *ibid.*, alt. 230 m, *Fagus sylvatica*, lying trunk, 23 Aug. 2005, leg. L. Hagara (BRA CR17652). **Podunajská rovina plain** – Dunajské ostrovy NR, Horná Sihot' island, alt. 130 m, alluvial near-natural to managed forest, on fallen trunk of *Populus alba*, 15 May 2004, leg. L. Hagara, det. P. Vampola (BRNM 783446, MJ 6050); *ibid.*, alt. 130 m, on fallen trunk of broadleaf, 20 June 2004, leg. H. Deckerová, det. P. Vampola (BRA CR14456, MJ 6052); *ibid.*, alt. 130 m, on fallen trunk of *Frangula alnus*, 28 June 2006, leg. L. Hagara, det. P. Vampola (BRA CR17653, MJ 6051). **Podunajská pahorkatina upland** – Budmerice, alt. 198 m, castle park, 350 m NW of castle, on fallen trunk of broadleaf (*Populus* sp.), 7 Aug. 2010, leg. L. Hagara, det. P. Vampola (MJ 5575, BRNM 783208). **Tríbeč Mts.** – Nitra, 500 m N of town margin, alt. 490 m, submontane managed forest, mixture of oak and beech, on fallen trunk of *Fagus sylvatica*, SOD: 3, 3 Nov. 2018, leg. V. Kunca, det. P. Vampola (PVKU 2414, MJ 5858). – Skýcov, Rázdiel hill, alt. 430 m, *Fagus sylvatica*, decayed lying trunk, 12 Sept. 2006, leg. L. Hagara, det. P. Vampola (BRA CR17654, MJ 6056). **Štiavnické vrchy Mts.** – Jabloňovský Roháč NNR, alt. 475 m, submontane near-natural to managed forest, mixture of beech and oak, on fallen trunk of *Fagus sylvatica*, SOD: 2, 13 Oct. 2015, leg. V. Kunca, det. P. Vampola (PVKU 1548, MJ 6309). – Sitno NNR, alt. ca 750 m, submontane natural to near-natural forest, mixture of oak, fir and beech, on *Populus tremula*, 19 Feb. 1889, leg. A. Kmeť, rev. Z. Pouzar (BRA, not confirmed; published in Kotlaba 1984). – Uhelnice, surrounding of the village of Prenčov, alt. 600 m, on *Carpinus betulus*, 1 July 1892, leg. A. Kmeť, rev. Z. Pouzar (BRA 9528), F. Kotlaba et Z. Pouzar (PRM 756039). – Bacúrov, 1.2 km SW of the village, alt. 470 m, colline to submontane managed forest, mixture of hornbeam and oak, on fallen trunk of *Carpinus betulus*, SOD: 3, 16 Aug. 2016, leg. V. Kunca, det. P. Vampola (PVKU 1786, MJ 6135). **Kremnické vrchy Mts.** – Lanckove skaly old-growth forest remnant, alt. 585 m, submontane to montane natural to near-natural forest, mixture of fir and beech, on fallen trunk of *Fagus sylvatica*, SOD: 3, 5 Sept. 2019, leg. V. Kunca, det. P. Vampola (PVKU 2594, MJ 6752). – Dolný Chlm old-

growth forest, alt. 820 m, montane virgin to natural forest, mixture of fir and beech, on fallen trunk of *Fagus sylvatica*, SOD: 2, 24 Oct. 2017, leg. et det. V. Kunca (PVKU 2129). – Badínsky prales NNR, alt. 820 m, submontane to montane natural to near-natural forest, mixture of fir and beech, on fallen trunk of *Fagus sylvatica*, SOD: 2, 17 Aug. 2016, leg. V. Kunca, det. P. Vampola (PVKU 1798, MJ 6136). – Budča, 2.5 km NW of the village, Veľký Sietenec, alt. 460 m, submontane managed forest, mixture of oak, beech and hornbeam, on branch of *Carpinus betulus*, SOD: 2, 19 June 2019, leg. et det. V. Kunca (PVKU 2522). **Javorie Mts.** – Zvolen, Červený medokýš, 1.5 km SW of town margin, Hlboká valley, alt. 415 m, submontane near-natural to managed forest, mixture of oak and hornbeam, on snag of *Carpinus betulus*, SOD: 2, 8 May 2018, leg. V. Kunca, det. P. Vampola (PVKU 2258, MJ 5834). – Podzámčok, 1 km NE of the village, alt. 505 m, submontane managed beech forest, on fallen trunk of *Fagus sylvatica*, SOD: 4, 2 Oct. 2020, leg. et det. V. Kunca (PVKU 2916). – Zvolen, Neresnica, 1 km S of town margin, Pomiaslo valley, alt. 445 m, submontane near-natural forest, mixture of beech and oak, on snag of *Carpinus betulus*, 7 Jan. 2018, leg. V. Kunca, det. P. Vampola (PVKU 2173, MJ 6340); *ibid.*, alt. 423 m, on fallen trunk of *Quercus petraea*, SOD: 2, 29 June 2018, leg. V. Kunca, det. V. Kunca et P. Vampola (PVKU 2292, MJ 7625). – Slatinka, 1 km SSW of the village, alt. 380 m, submontane managed beech forest, on fallen trunk of *Fagus sylvatica*, SOD: 3, 8 Oct. 2020, leg. et det. V. Kunca (PVKU 2935). **Zvolenská kotlina basin** – Zvolen, Môľová, 2 km SE of town margin, Slatinka river, alt. 320 m, fragment of alluvial near-natural alder forest, on snag of *Alnus glutinosa*, 11 Jan. 2018, leg. V. Kunca, det. P. Vampola (PVKU 2188, MJ 6341). **Poľana Mts.** – Zadná Poľana NNR, alt. 1102 m, montane natural forest, mixture of spruce, fir and beech, on fallen trunk of *Fagus sylvatica*, SOD: 3, 27 May 2020, leg. et det. V. Kunca, rev. P. Vampola (PVKU 2730). **Krupinská planina plateau** – Čabrad' NR, alt. ca 300 m, submontane near-natural broadleaf forest, on fallen trunk of *Prunus avium*, 22 Sept. 1987 et 20 Sept. 1988, leg. et det. J. Vlasák (JV 8709/30, 8809/23). **Juhoslovenská kotlina basin** – Poltár, 3 km S of town margin, Petrovec, alt. 260 m, colline managed forest, mixture of hornbeam and oak, on fallen trunk of *Carpinus betulus*, SOD: 2, 16 July 2019, leg. et det. V. Kunca (PVKU 2543). **Stolické vrchy Mts.** – Muránska Dlhá Lúka, 0.8 km E of the village, alt. 415 m, submontane managed mixed broadleaf forest, on fallen trunk of *Corylus avellana*, SOD: 2, 29 July 2016, leg. V. Kunca, det. P. Vampola (PVKU 1718, MJ 6128). **Revúcka vrchovina Mts.** – Mokrú Lúka, 1 km NE of the village, Piesočný potok, alt. 460 m, submontane managed forest, mixture of hornbeam and beech, on fallen trunk of *Fagus sylvatica*, SOD: 2, 22 June 2019, leg. et det. V. Kunca (PVKU 2524); *ibid.*, alt. 400 m,

on snag of *Betula* sp., SOD: 2, 22 June 2019, leg. V. Kunca, det. P. Vampola (PVKU 2526, MJ 6742). **Cerová vrchovina Mts.** – Šomoška NNR, submontane near-natural to managed forest, mixture of hornbeam, oak and beech, lying and decaying trunk of broadleaf, probably *Fagus sylvatica*, 5 Sept. 2015, leg. M. Kříž, P. Špinar et J. Hlásek, det. M. Kříž, rev. P. Vampola (PRM 945484). **Košická kotlina basin** – Mirkovce, 300 m W of the village, alt. 330 m, mixed managed broadleaf forest, on fallen trunk of *Carpinus betulus*, 24 May 2019, leg. R. Oriňák, det. V. Kunca, rev. P. Vampola (MJ 6950). **Slanské vrchy Mts.** – Marocká hoľa NNR, alt. 725 m, submontane natural to near-natural forest, mixture of ash, oak and beech, on fallen trunk of *Fagus sylvatica*, SOD: 3, 10 June 2016, leg. V. Kunca, det. P. Vampola (PVKU 1683, MJ 6123); *ibid.*, on fallen trunk of *Fagus sylvatica*, 16 Aug. 2016, leg. M. Lazor, det. P. Vampola (MJ 5895); *ibid.*, alt. ca 600 m, on fallen trunk of *Fagus sylvatica*, 21 Aug. 2018, leg. M. Lazor, det. P. Vampola (MJ 5712); *ibid.*, alt. ca 550 m, on fallen trunk of *Fagus sylvatica*, 21 July 2019, leg. M. Lazor, det. P. Vampola (MJ 6791). – Veľký Milič NNR, alt. 350 m, submontane natural beech forest, on fallen trunk of *Fagus sylvatica*, 7 Sept. 2014, leg. M. Lazor, det. P. Vampola (MJ 5913); *ibid.*, alt. 750 m, on fallen trunk of *Fraxinus excelsior*, SOD: 2, 10 June 2016, leg. V. Kunca, det. P. Vampola (PVKU 1679, MJ 6121). – Slanská Huta, Izra lake, alt. ca 450 m, managed mixed broadleaf forest, on fallen branch of *Fagus sylvatica*, 26 July 2020, leg. M. Lazor, det. P. Vampola (MJ 7454); *ibid.*, alt. 400 m, on fallen trunk of *Betula pendula*, 29 Aug. 2020, leg. M. Lazor, det. P. Vampola (MJ 7466). – Brezina, Čatorňa forest, 3.5 km WNW of the village, alt. 400 m, managed mixed broadleaf forest, on fallen trunk of *Fagus sylvatica*, 14 Sept. 2019, leg. M. Lazor, det. P. Vampola (MJ 6814); *ibid.*, alt. 500 m, on fallen branch of *Alnus* sp., 14 Sept. 2019, leg. M. Lazor, det. P. Vampola (MJ 6815); *ibid.*, alt. 300 m, on fallen trunk of *Corylus avellana*, 2 July 2020, leg. M. Lazor, det. P. Vampola (MJ 7455); *ibid.*, alt. 500 m, on fallen trunk of *Fagus sylvatica*, 25 Aug. 2020, leg. M. Lazor, det. P. Vampola (MJ 7457). – Brezina, Pod Babou horou forest, 1.8 km WNW of the village, alt. 250 m, managed mixed broadleaf forest, on fallen branch of *Corylus avellana*, 24 Oct. 2020, leg. M. Lazor, det. P. Vampola (MJ 7458). – Hlinianska jelšina NR, alt. ca 300 m, near-natural mixed broadleaf forest, on fallen trunk of *Alnus* sp., 10 Sept. 2008, leg. H. Deckerová, det. P. Vampola (MJ 6057). **Ondavská vrchovina Mts.** – Holčíkovce, 1.5 km NW of the village, close to Veľká Domaša water reservoir, alt. 170 m, colline managed beech forest, on fallen trunk of *Fagus sylvatica*, SOD: 4, 22 July 2016, leg. V. Kunca, det. P. Vampola (PVKU 1709, MJ 6127). **Laborecká vrchovina Mts.** – Svidník, alt. 220 m, submontane managed broadleaf forest, on fallen trunk of *Prunus avium*, 21 Sept. 1986, leg. et det. J. Vlasák (JV 8609/11; Vampola et Vágner 2007).

– Dranec NR, submontane natural to near-natural forest, mixture of fir and beech, *Fagus sylvatica*, 22 July 1964, leg. F. Kotlaba et Z. Pouzar, det. Z. Pouzar (PRM 870764). – Komárnická jedlina NNR, submontane natural to near-natural forest, mixture of fir and beech, *Abies alba*, 26 Oct. 1987, leg. F. Kotlaba, det. Z. Pouzar (PRM 853331); *ibid.*, alt. 525 m, on fallen trunk of *Fagus sylvatica*, SOD: 3, 27 Sept. 2020, leg. V. Kunca, det. P. Vampola (PVKU 2879, MJ 7638); *ibid.*, alt. 525 m, on living tree of *Fagus sylvatica*, 27 Sept. 2020, leg. V. Kunca, det. P. Vampola (PVKU 2880, MJ 7639). – Stakčín, alt. ca 350 m, NNW of the village, valley of Chotinka river, managed forest, on fallen trunk of *Carpinus betulus*, 12 Oct. 1990, leg. et det. P. Vampola (MJ 2202). **Vihorlatské vrchy Mts.** – Kyjovský prales NNR, alt. 710 m, montane natural to virgin beech forest, on fallen trunk of *Fagus sylvatica*, SOD: 4, 9 Oct. 2015, leg. V. Kunca, det. P. Vampola (PVKU 1521, MJ 6308). – Jedlinka NR, alt. 790 m, montane virgin forest, mixture of fir and beech, on fallen trunk of *Fagus sylvatica*, SOD 2, 5 Oct. 2016, leg. et det. V. Kunca (PVKU 1903). – Morské oko NR, alt. 685 m, montane natural beech forest, on fallen trunk of *Fagus sylvatica*, SOD 3, 21 Sept. 2017, leg. V. Kunca, det. P. Vampola (PVKU 2054, MJ 6325); *ibid.*, on fallen trunk of *Fagus sylvatica*, SOD: 4, 21 Sept. 2017, leg. V. Kunca, det. P. Vampola (PVKU 2055, MJ 6326). – Nežabec old-growth forest, alt. 970 m, montane virgin to natural beech forest, on fallen trunk of *Fagus sylvatica*, SOD 3, 29 Sept. 2019, leg. et det. V. Kunca (PVKU 2643). **Bukovské vrchy Mts.** – Havešová NNR, alt. 565 m, submontane to montane virgin beech forest, on fallen trunk of *Fagus sylvatica*, SOD: 2, 3 Oct. 2016, leg. et det. V. Kunca (PVKU 1892), *ibid.*, alt. 500–600 m, lying trunk of *Fagus sylvatica*, 3 Oct. 2016, leg. H. Ševčíková, det. M. Tomšovský (BRNM 801898); *ibid.*, lying and decaying trunk of *Fagus sylvatica*, 3 Oct. 2016, leg. V. Kunca, L. Hejl et M. Kříž, det. J. Kout (PRM 944923); *ibid.*, alt. 600 m, on fallen trunk of *Fagus sylvatica*, 25 Sept. 2017, leg. et det. V. Kunca (PVKU 2065). – Rožok NNR, submontane beech virgin forest, alt. 500–750 m, on fallen trunk of *Fagus sylvatica*, 9 Oct. 1990, leg. J. Terray, det. P. Vampola (MJ 2200); *ibid.*, alt. 500–750 m, on fallen trunk of *Fagus sylvatica*, 9 Oct. 1990, leg. et det. P. Vampola (MJ 2201); *ibid.*, alt. ca 600 m, on fallen trunk of *Fagus sylvatica*, 18 Sept. 1995, leg. et det. P. Vampola (MJ 4227, PRM 890757, BRA CR17648). – Stužica NNR, alt. 730 m, montane virgin forest, mixture of fir and beech, on fallen trunk of *Fagus sylvatica*, 6 Oct. 2016, leg. et det. L. Hagara, rev. P. Vampola (MJ 5697). **Východoslovenská rovina plain** – Biel, village park, *Salix alba*, 20 Nov. 1965, leg. A. Černý, det. F. Kotlaba et Z. Pouzar (PRM 813962). **Východoslovenská pahorkatina upland** – Michalovce, Biela hora, 500 N of town margin, alt. 150 m, managed mixed broadleaf forest, on fallen branch of *Populus tremula*, 16 June 2020, leg. M. Harvan, det.

P. Vampola (MJ 7490). – Petrovce, ca 700 m NE of the village, alt. ca 300 m, submontane managed forest, on fallen trunk of *Fagus sylvatica*, 7 Oct. 1998, leg. et det. J. Vlasák (JV 9810/12; Vampola et Vágner 2007).

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