
FAUNISTIC RECORDS FROM THE CZECH REPUBLIC – 571

Lepidoptera: Nepticulidae, Heliozelidae, Psychidae, Yponomeutidae, Gracillariidae, Tortricidae, Autostichidae, Coleophoridae, Gelechiidae, Pieridae, Pyralidae, Crambidae, Geometridae, Noctuidae

Jan ŠUMPICH¹⁾, Jan LIŠKA²⁾, Jiří VÁVRA³⁾, Zdeněk LAŠTŮVKA⁴⁾, Aleš LAŠTŮVKA⁵⁾, Jan SKYVA⁶⁾, Jan UŘIČÁŘ⁷⁾, Kamil ELIÁŠ⁸⁾, †Miroslav MIKÁT, David CAHA⁹⁾, Jan DVOŘÁK¹⁰⁾, †Gustav ELSNER, Věra HROMÁDKOVÁ¹¹⁾, Miloš JADRNÝ¹²⁾, Petr PIPEK¹³⁾, Hana ŠEPROVÁ¹⁴⁾, Miroslav ŽEMLIČKA¹⁵⁾, Vladimír HULA¹⁶⁾, Petr KREJČÍK¹⁷⁾, Jan MÜCKSTEIN¹⁸⁾ & Alois PAVLÍČKO¹⁹⁾

¹⁾ Department of Entomology, National Museum, Cirkusová 1740, CZ-193 00 Praha 9 – Horní Počernice, Czech Republic; e-mail: jansumpich@seznam.cz

²⁾ Forestry and Game Management Research Institute Jíloviště-Strnady, CZ-156 04 Praha 5 – Zbraslav, Czech Republic; e-mail: liska@vulhm.cz

³⁾ Nečova 18, CZ-143 00 Praha 4 – Modřany, Czech Republic; e-mail: titanio@vavranet.cz

⁴⁾ Department of Zoology, Fisheries, Hydrobiology and Apidology, Faculty of AgriSciences, Mendel University in Brno, Zemědělská 1, CZ-613 00 Brno, Czech Republic; e-mail: last@mendelu.cz

⁵⁾ Slavičková 15, CZ-796 01 Prostějov, Czech Republic; e-mail: aleslastuvkaento@seznam.cz

⁶⁾ Buzulucká 3, CZ-160 00 Praha 6 – Dejvice, Czech Republic; e-mail: janskyva@seznam.cz

⁷⁾ Růžová 1178, CZ-697 01 Kyjov, Czech Republic; e-mail: januricar@centrum.cz

⁸⁾ Henčov 80, CZ-586 01 Jihlava, Czech Republic; e-mail: eliaskamil@seznam.cz

⁹⁾ Útěchovská 21, CZ-644 00 Brno-Soběšice; e-mail: caha.david@gmail.com

¹⁰⁾ Pionýrská 541, CZ-679 02 Rájec-Jestřebí, Czech Republic

¹¹⁾ Fr. Halase 824, CZ-500 09 Hradec Králové, Czech Republic; e-mail: v.hromadkova@atlas.cz

¹²⁾ Karle 139, CZ-568 02 Svitavy, Czech Republic; e-mail: milos.jadrny@centrum.cz

¹³⁾ Kurandové 672/9, CZ-152 00 Praha 5 – Hlubočepy, Czech Republic; e-mail: petr.pipek1@seznam.cz

¹⁴⁾ Department of Crop Science, Breeding and Plant Medicine, Faculty of AgriSciences, Mendel University in Brno, Zemědělská 1, CZ-613 00 Brno, Czech Republic; e-mail: hana.sefrova@mendelu.cz

¹⁵⁾ Regionální muzeum v Teplicích, Zámecké náměstí 14, CZ-415 01 Teplice, Czech Republic; e-mail: zemlicka.mir@seznam.cz

¹⁶⁾ Department of Forest Ecology, Faculty of Forestry and Wood Technology, Mendel University in Brno, Zemědělská 1, CZ-613 00 Brno, Czech Republic; e-mail: vladimir.hula@mendelu.cz

¹⁷⁾ Sídliště BSS 1342, CZ-250 01 Brandýs nad Labem-Stará Boleslav, Czech Republic; e-mail: cognata@centrum.cz

¹⁸⁾ Družstevní 1256, CZ-539 01 Hlinsko, Czech Republic; e-mail: mucksteinjan@seznam.cz

¹⁹⁾ Nature Conservation Agency of the Czech Republic, Kaplanova 1931/1, CZ-148 00 Praha 11 – Chodov, Czech Republic; e-mail: alois.pavlicko@seznam.cz

Nepticulidae

Simplimorpha promissa (Staudinger, 1871). Moravia mer., Sedlec u Mikulova, Skalky Nature Monument (7266), 22.v.2020, 1 ♂, J. Liška leg., A. Laštůvka det. et coll. Moravia centr.: Alojzov (6568), 30.x.2023, Klopotovice (6569), 31.x.2023, Kostelany (6770), 1.xi.2023, empty mines on *Cotinus coggygria*, all A. Laštůvka observ. et det.; Česká u Brna (6765), 1.x.2023, numerous mines, partly with larvae, on *Cotinus coggygria* (Fig. 1), Z. Laštůvka observ. et det.; Brno-Černá Pole, arboretum of the Mendel University (6765), 4.x.2023, numerous mines on *Cotinus*, Z. Laštůvka et H. Šefrová observ. et det.; Lednice (7266), 23.x.2023, numerous mines on *Cotinus*, H. Šefrová observ. et det.

Predominantly Mediterranean species extending northwards into the southern parts of central Europe, where it was previously known from Austria, Hungary, and Slovakia (Laštůvka & Laštůvka 1997). The Czech records indicate a slight northward spread of this species, probably due to moderate warming. The spread may also be linked to more frequent cultivation of the host plant for ornamental purposes. New alien species for the Czech Republic.

Glaucolepis melanoptera (van Nieukerken et Puplesis, 1991). Bohemia centr.: Černošice-Vonoklasy, Krásná stráň slope Nature Monument (6051), 18.vii.2021, 1 ♂, Praha-Radotín, Nature Reserve Cikánka (6052), 15.viii.2021, 1 ♀, both J. Liška leg., A. Laštůvka det. et coll.

In central Europe known from Austria, Czech Republic, Hungary, and Slovakia. Czech records were known until now only from southern and central Moravia (Šumpich et al. 2022a). New species for Bohemia.

Heliozelidae

Coptodisca lucifluella (Clemens, 1861). Bohemia centr.: Praha-Zbraslav (6052), 9.x.2023, Praha-Radotín (6052), 9.x.2023, Černošice env., Vonoklasy-Bukovka (6051), 10.x.2023, in all cases numerous mines on *Juglans regia* (Fig. 2), all J. Liška leg. et det. Bohemia or.: Moravany nad Doubravou (6159), mines on *Juglans regia*, H. Šefrová leg. et det.; Hradec Králové, Nový Hradec Králové (5761), garden in the intravilan, 8.ix.2024, 1 ♀, V. Hromádková leg. and photo, Z. Laštůvka det., coll. M. Mikát.

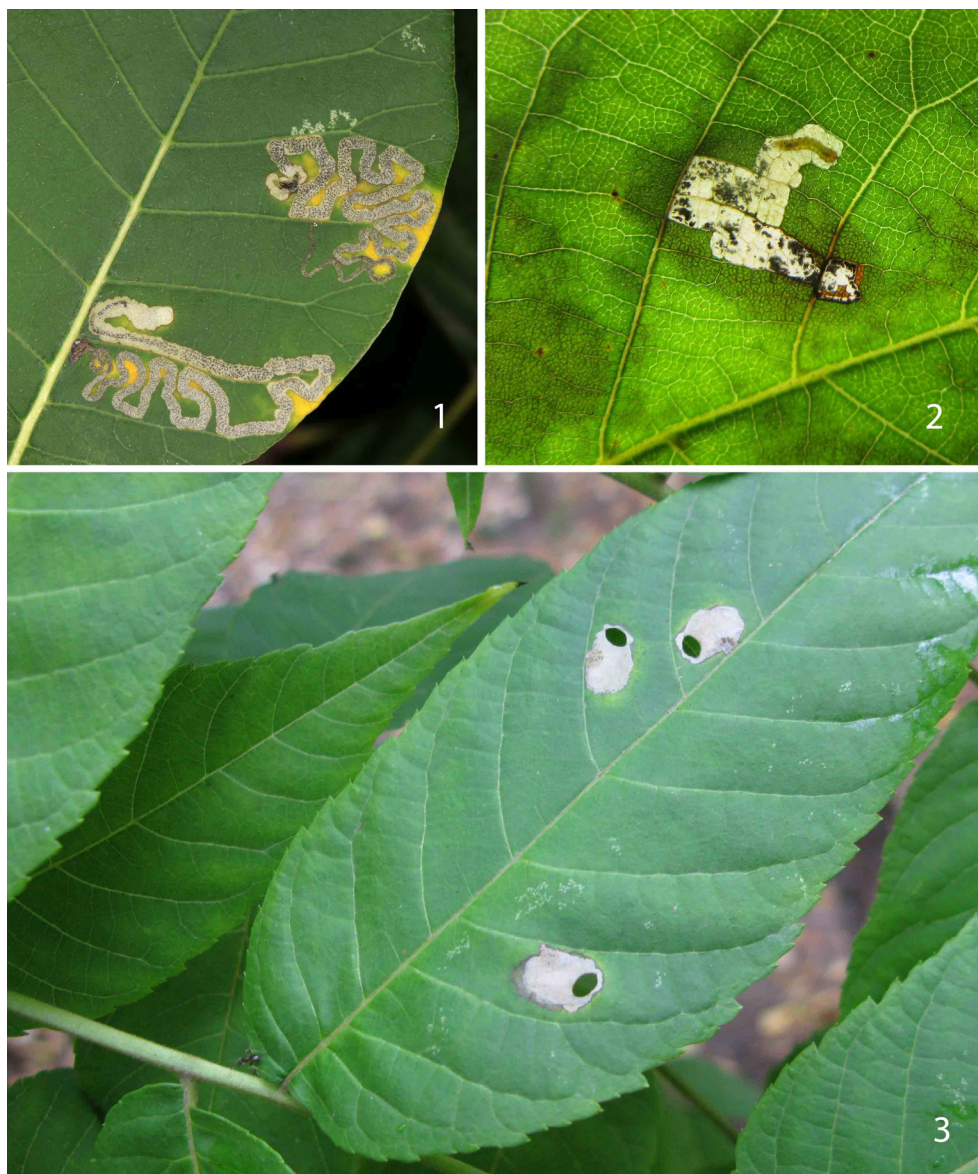
Species of North American origin, currently spreading through Europe, in the Czech Republic has so far been found in several places in Moravia since 2018 (Šumpich et al. 2022b). New alien species for Bohemia.

Coptodisca juglandiella (Chambers, 1874). Bohemia centr., Jiloviště-Strnady (6052), 10.x.2023, numerous mines on *Juglans nigra* (Fig. 3), J. Liška observ. et det.

Similar to the preceding, species of North American origin, in the Czech Republic recorded for the first time in several places of southern Moravia in 2018 (Šumpich et al. 2022b). New alien species for Bohemia.

Psychidae

Dahlica sauteri (Hättenschwiler, 1977). Bohemia mer., Boršov nad Vltavou, Jamné (7052), 28.iii.2012, 1 ♂ (Barcode data NMPC-Lep-0496 [failed]), 15.iii.2015, 1 ♂ (Barcode data NMPC-Lep-0495 [failed]) (Figs 4–5), all J. Vávra leg. et coll., E. Hauser det.



Figs 1–3. 1 – mines of *Simplimorpha promissa* (Staudinger, 1870), Česká u Brna. 2 – mine of *Coptodisca luciflua* (Clemens, 1861) with larvae, Praha-Radotín. 3 – empty mines of *C. juglandiella* (Chambers, 1874), Jíloviště-Strnady. Photographs by Z. Laštůvka (1), J. Liška (2–3).

Obr. 1–3. 1 – miny *Simplimorpha promissa* (Staudinger, 1870), Česká u Brna. 2 – mina *Coptodisca luciflua* (Clemens, 1861) s housenkou, Praha-Radotín. 3 – prázdné miny *C. juglandiella* (Chambers, 1874), Jíloviště-Strnady. Fotografie Z. Laštůvka (1), J. Liška (2–3).



Figs 4–5. Voucher specimens of *Dahlica sauteri* (Hättenschwiler, 1977), Boršov nad Vltavou. Photographs by J. Šumpich.

Obr. 4–5. Sbirkové doklady *Dahlica sauteri* (Hättenschwiler, 1977), Boršov nad Vltavou. Fotografie J. Šumpich.

Species known from Austria, Czech Republic, and Switzerland, findings from Romania and Italy are uncertain (Arnscheid & Weidlich 2017). In the Czech Republic many specimens recorded in the forests on the southern slopes of the Chřiby Mts. in southern Moravia (Liška et al. 2008). New species for Bohemia.

Yponomeutidae

Euhypnometoides ribesiella (De Joannis, 1900). Moravia bor., Jindřichov (5967), 24.v.2023, 1 ♀ (Figs 6–7), M. Jadrný leg., det. et coll., J. Šumpich revid. (gen. prep. JŠ23478).

European species distributed in northern, central and rarely western Europe, and in European parts of Russia and Kazakhstan (Gershenson 1981, Ponomarenko & Sinev 2019, Lepiforum 2024). In central Europe recorded in all neighbouring countries and Switzerland (Laštůvka et al. 2018, Lepiforum 2024). New species for the Czech Republic.

Gracillariidae

Phyllocnistis triandricola Voith, Aarvik et Berggren, 2023. Bohemia centr.: Praha-Modřany (5952), 16.viii.1986, larva on *Salix euxina*, viii.1986, 1 ♀ ex larva, 21.vi.2017, 2 larvae on *Salix euxina*, 30.vi.2017, 2 ♀♀ ex larva, 23.viii.2017, pupa on *Salix purpurea*, 25.viii.2017, 1 ♀ ex pupa, Stráně nad Chomutovkou Nature Monument (5647), 19.vii.2017, 1 ♀ to light, all J. Vávra leg., det. et coll. Moravia centr.: Čelechovice na Hané (6468), 18.viii.2011, 2 pupae, viii.2011, 2 ♂♂ ex pupa (BOLD: GRPAL 873-12 and 1366-13), 25.viii.2012, pupa, ix.2012, 1 ♂ ex pupa (BOLD: GRPAL 1365-13), pupae on *Salix matsudana* in all cases, Určice (6568), 20.viii.2012, pupa, ix.2012, 1 ♂ ex pupa (BOLD: GRPAL 11367-13), Troubky (6570), 20.viii.2012, pupa, viii.2012, 1 ♀ ex pupa (BOLD: GRPAL 131368-13), all A. Laštůvka leg., det. et coll. Moravia mer., Pasohlávky (7165), 26.viii.2012, pupa, ix.2012, 1 ♂ ex pupa (BOLD: GRPAL 1369-13), pupae on *Salix euxina* in all cases, A. Laštůvka leg., det. et coll.

Cryptic species, morphologically difficult or indistinguishable from *Phyllocnistis saligna* (Zeller, 1839). Reported from the Czech Republic by Voith et al. (2023) without faunistic data on the basis of barcoded specimens in the BOLD system. The specimens presented here



Figs 6–7. *Euhyponomeutoides ribesiella* (De Joannis, 1900), Jindřichov, female. 6 – Voucher specimen. 7 – Genitalia. Photographs by J. Šumpich.

Obr. 6–7. *Euhyponomeutoides ribesiella* (De Joannis, 1900), Jindřichov, samice. 6 – Sbírkový doklad. 7 – Genitálie. Fotografie J. Šumpich.

were from Moravia and were barcoded more than 10 years ago, distinguishing them from *P. saligna*, but no clear morphological distinguishing characters were found at that time. About 150 unbarcoded specimens were found in more localities in central and southern Moravia. New species for the Czech Republic.

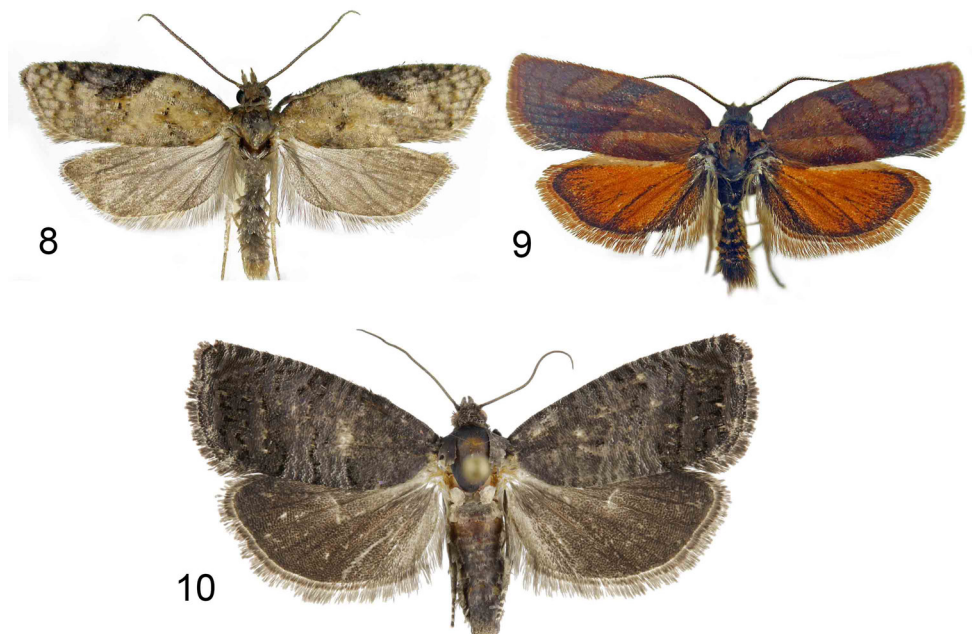
Tortricidae

Acleris comariana (Lienig et Zeller, 1846). Bohemia bor.: Krásná Lípa env., Světlík Nature Reserve (5153), 3.vii.2023, 1 ♀, Krásná Lípa env., Velký rybník Nature Reserve, 8.vii.2023, 13 ♂♂ (Fig. 8), 2 ♀♀, caught at sunset in a wetland habitat with sedges and ash willow and its foodplant *Comarum palustre*, all J. Vávra leg., det. et coll.

Holarctic distribution, introduced into New Zealand (Razowski 2008). From the Czech Republic, only one old finding is known from the vicinity of Pilsen (Vlach 1940). Confirmed occurrence in the Czech Republic after more than 80 years.

Cacoecimorpha pronubana (Hübner, [1799]). Bohemia centr., Praha-Modřany (5952), 28.ii.2020, numerous larvae on *Mahonia aquifolium*, 28.iii.2020, 1 ♂, 4.iv.2020, 1 ♂ (Fig. 9), 9.iv.2020, 1 ♂, 15.iv.2020, 1 ♂, J. Vávra leg., det. et coll.

Distributed in western, central, and southern Europe, North and South America, south and north Africa and Asia Minor (Fazekas 2011). In central Europe, so far recorded from all countries except Slovakia (Fazekas 2011, Laštůvka et al. 2018, Lepiforum 2024). In the Czech Republic first recorded in Moravia, specifically in the greenhouse of a garden centre in Brno in 2008 (Šumpich et al. 2009), and later observed at other Moravian sites (Jakubíková et al. 2016, Laštůvka et al. 2023). So far, this polyphagous species is not known to form permanent populations in outdoor conditions in the Czech Republic. New species for Bohemia.



Figs 8–10. Voucher specimens of recorded species. 8 – *Acleris comariana* (Lienig et Zeller, 1846), Velký rybník. 9 – *Cacoecimorpha pronubana* (Hübner, [1799]), Praha-Modřany. 10 – *Cydia pyrivora* (Danilevsky, 1947), Libočany near Žatec. Photographs by J. Vávra (8–9), J. Šumpich (10).
 Obr. 8–10. Sbírkové doklady zaznamenaných druhů. 8 – *Acleris comariana* (Lienig et Zeller, 1846), Velký rybník. 9 – *Cacoecimorpha pronubana* (Hübner, [1799]), Praha-Modřany. 10 – *Cydia pyrivora* (Danilevsky, 1947), Libočany near Žatec. Fotografie J. Vávra (8–9), J. Šumpich (10).

Cydia pyrivora (Danilevsky, 1947). Bohemia bor.: Čeradice near Žatec (5646), 24.vii.2023, 1 ♀, Libočany near Žatec, Liboc valley (5646), 31.vii.2023, 3 ♀♀ (Fig. 10), all J. Šumpich leg. et det., coll. National Museum, Praha.

Species known from eastern, southern, and partly central Europe. In central Europe not recorded in Poland and Switzerland. In the Czech Republic more records come from the southern parts of Moravia (Šumpich et al. 2022a), in recent years found more frequently and occasionally in greater numbers. New species for Bohemia.

Autostichidae

Oegoconia novimundi (Busck, 1915). Bohemia centr., Praha-Modřany (5952), 21.vii.2023, 7 ♂♂ on pheromone for *Grapholita fumebrana* (Treitschke, 1835), J. Vávra leg., det. et coll.

Species described from North America but probably of European origin (Huemer 1998); known from southern, western and central Europe (Laštůvka et al. 2018). In the Czech Republic, firstly found in Zlín in 2005 and in the Soutok area in 2009, both in southern or eastern Moravia (Šumpich et al. 2010), later recorded in large numbers in pheromone traps with synthetic sexual pheromones for *G. fumebrana* and *G. molesta* (Busck, 1916) in more

places in various parts of southern Moravia (Jakubíková et al. 2016, Laštůvka & Laštůvka 2020, Laštůvka et al. 2022). New species for Bohemia.

Coleophoridae

Coleophora paucinotella Toll, 1961. Bohemia centr.: Praha-Radotín, Cikánka Nature Reserve (6052), 13.vi.1992, 1 ♀, 4.vii.2010, 1 ♂ (Fig. 11), 5.vi.2011, 1 ♀, Dobřichovice-Karlík, Karlické údolí Nature Reserve (6051), 13.v.2009, 1 ♂, Hostim, Karlštejn National Nature Reserve, Třesina (6050), 6.vi.2015, 1 ♀, Tetín, Koda National Nature Reserve, Kodská stráň slope (6050), 13.v.2024, 1 ♂, all J. Liška leg. et det., coll. National Museum, Praha. Bohemia bor., Ústí nad Labem district, Církvice (5450), 1.vi.2019, 2 ♂♂, 12.ix.2020, 1 ♀, M. Žemlička leg., det et coll.

Additional records from Moravia: Moravia mer.: Znojmo-Načeratice, Načeratický kopec Nature Monument (7162), 13.vi.2020, 1 ♂, Sedlec u Mikulova, Liščí vrch Nature Reserve (7266), 9.vi.2024, 1 ♂ (+ 3 spec. observ.), both J. Liška leg. et det., coll. National Museum, Praha.

Species until recently listed as a synonym of *Coleophora auricella* (Fabricius, 1794), indistinguishable from the mentioned species by external appearance. So far reported from France, Germany, Hungary, and Slovakia (Šumpich et al. 2022a), Austria and Switzerland (Lepiforum 2024), and Czech Republic, where it was found in the area of Soutok in southern Moravia (Laštůvka et al. 2022). Considering the reported host plant *Stachys recta*, most records of *C. auricella* from the Czechia are probably related to this species (mostly reared from this plant). Caterpillar of *C. auricella* is reported as developing on *Stachys officinalis* (Lepiforum 2024). New species for Bohemia.

Coleophora amellivora Baldizzzone, 1979. Bohemia bor., Bořeň Hill (5448), x.1993, larvae on leaves of *Aster alpinus*, 3.iv.1994, 10 spec. emerged, x.1996, larvae on leaves of *A. alpinus*, 11.iii.1997, 4 spec. emerged, 7.x.2003, larvae on leaves of *Aster amellus*, 17.iii.2004, 3 specimens emerged (Fig. 12), J. Vávra leg., det. et coll.

Distributed in central and western Europe. In central Europe not recorded only in Slovenia so far (Laštůvka et al. 2018). In the Czech Republic distributed mainly in central and southern Moravia, from Bohemia only old records were known so far (Sterneck & Zimmermann 1933). Confirmed occurrence in Bohemia after more than 80 years.

Gelechiidae

Nothris gregersemi Karsholt et Šumpich, 2015. Bohemia centr.: Český kras Protected Landscape Area, Karlštejn, 8.ix.1934, 1 ♀, A. Silbernagel leg., J. Šumpich det. (gen. prep. JŠ24018), coll. National Museum, Praha; Český kras Protected Landscape Area, Beroun env., Tetín, Koda National Nature Reserve, Kodská stráň slope (6050), 14.ix.2006, 2 ♂♂, 5.ix.2022, 1 ♀ (+ 2 spec. observ.), J. Liška leg. et det., coll. National museum, Praha. Bohemia bor., Velké Žernoseky, 25.viii.1935, 1 ♀ (Fig. 14), F. Zimmermann leg., J. Šumpich det. (gen. prep. JŠ24017), coll. National Museum, Praha.

Recently described species from Sweden and Denmark, later recorded in Russia and central Europe (for more details see Šumpich et al. 2023 and Lepiforum 2024). In the Czech



Figs 11–14. Voucher specimens of recorded species. 11 – *Coleophora paucinotella* Toll, 1961, Praha – Radotín. 12 – *C. amellivora* Baldizzzone, 1979, Bořeň. 13 – *Nothris gregerseni* Karsholt et Šumpich, 2015, Velké Žernoseky. 14 – *Monochroa inflexella* Svensson, 1992, Čiňov near Žatec. Photographs by J. Liška (11), J. Vávra (12), J. Šumpich (13–14).

Obr. 11–14. Sbírkové doklady zaznamenaných druhů. 11 – *Coleophora paucinotella* Toll, 1961, Praha – Radotín. 12 – *C. amellivora* Baldizzzone, 1979, Bořeň. 13 – *Nothris gregerseni* Karsholt et Šumpich, 2015, Velké Žernoseky. 14 – *Monochroa inflexella* Svensson, 1992, Čiňov u Žatce. Fotografie J. Liška (11), J. Vávra (12), J. Šumpich (13–14).

Republic, occurrence was reliably confirmed on the basis of a barcoded male from South Moravia (Podyjí National Park), collected in 2007 (Šumpich et al. 2022a). Unfortunately, species identification of this male could not be confirmed by characters of the genitalia because they are so similar to those of *N. lemniscellus* (Zeller, 1839). It was not until 2021 that females were collected in the same area and barcoding and dissection of genitalia confirmed the accuracy of the previous identification (Šumpich et al. 2023). In Bohemia, A. Silber-nagel collected several specimens of *N. lemniscellus* in the vicinity of Karlštejn in central Bohemia (Vlach 1938). In V. Vlach's collection, one female from the locality of Karlštejn from 1934 (on locality label V. Vlach is marked as the collector) has been found. Dissection showed that it actually belongs to *N. gregerseni* (details above). In addition, other historical collections in the National Museum were checked and a female of *N. gregerseni* collected in North Bohemia in the same period was found in the collection of F. Zimmermann. While

the species has repeatedly been found in central Bohemia to the present day, the record from Velké Žernoseky is still the only one from North Bohemia. Based on current information, only *N. gregersenii* is reliably confirmed to occur in the Czech Republic, while *N. lemniscellus* should be excluded from the Lepidoptera checklist of the Czech Republic, at least for the time being. New species for Bohemia.

Monochroa inflexella Svensson, 1992. Moravia mer., Sedlec u Mikulova, Skalky Nature Monument (7166), 2.vi.2018, 1 ♂ (gen. prep.), G. Elsner leg., det. et coll.

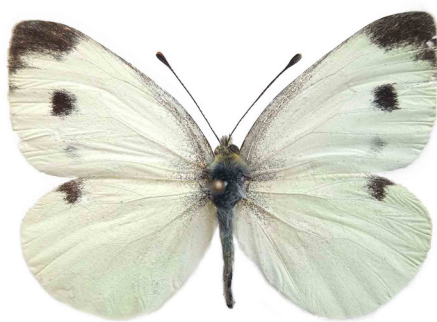
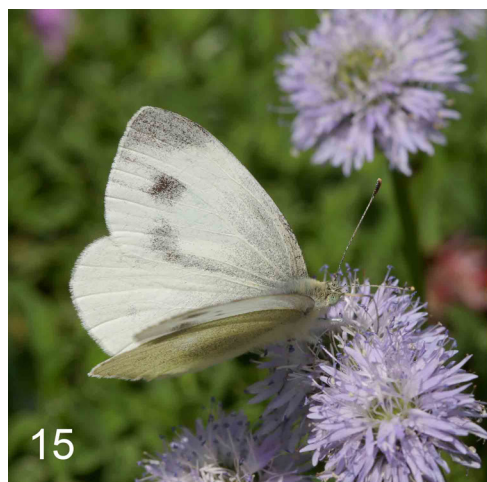
Additional records from Bohemia: Bohemia centr., Černošice, Vonoklasy-Občina (6051), 9.vi.2020, 2 ♂♂, 1 ♀ (+ 3 spec. observ.), Beroun env., Tetín, Koda National Nature Reserve, Kodská stráň slope (6050), 9.vi.2023, 1 ♀, all J. Liška leg. et det., coll. National Museum, Praha; Bohemia bor., Žatec district, Číňov (5646), 15.vi.2023, 2 ♂♂ (Fig. 13), Stroupeč env., Přivlaky (5646), 20.vi.2023, 2 ♂♂, all J. Šumpich leg. et det., coll. National Museum, Praha.

Species was described from southern Sweden and subsequently found in central, south-eastern and eastern Europe; in central Europe recorded rarely in Austria, Czech Republic, Hungary and Slovakia. A few records from the Czech Republic come so far from northern and central Bohemia, with no specific record data also listed from southern Moravia (Šumpich et al. 2022a). The first precise faunistic data of this species from Moravia.

Pieridae

Pieris mannii (Mayer, 1851). Bohemia bor., Litoměřice (5450), 5.viii.2024, 1 ♂, J. Mückstein leg., det. et coll. Bohemia centr.: Zdiby (5852), 29.ix.2023, 1 ♂, 25.v.2024, 1 ♂, 15.vi.2024, 5 ♂♂, 1 ♀ (egg laying on *Iberis* sp.), 22.viii.2024, 1 ♀ (egg laying on *Cardaria draba*), Praha-Petřín (5952), 11.vi.2024, 15 ♂♂, 8.vii.2024, 3 ♂♂, 1 ♀, 11.viii.2024, 13 ♂♂, 5 ♀♀, Praha-Stromovka (5852), 14.viii.2024, 6 ♂♂, all V. Hula leg., det. et coll.; Brandýs nad Labem (5853), 21.viii.2024, 1 ♂, 1 ♀, P. Krejčík leg., det. et coll.; Bohemia mer., Prachatice (6949), 575 m a.s.l., 23.vii.2024, 1 ♂, 1 ♀ in the garden in intravilan (Fig. 16), A. Pavlíčko leg., det. et coll., Z. F. Fric revid. Moravia mer., Česká u Brna (6765), 27.v.2023, 3 ♀♀ (+ several spec. observ.), laying eggs on *Iberis sempervirens*; 15 eggs subsequently found on *Iberis* of which 15 specimens (4 ♂♂ and 11 ♀♀) were reared; 8.vii.2023, 1 ♀ (+ 3 spec. observ.) (Fig. 15), 10.v.–10.viii.2024, about 20 spec. observ., all Z. Laštůvka phot., leg., det. et coll.; Brno-Černá Pole, arboretum of the Mendel University (6765), 2.v.–20.v.2024, 3 spec., 13.vi.–15.vii.2024, 12 spec., 19.vii.–15.viii.2024, 54 spec., all Z. Laštůvka and H. Šefrová observ. in 19 short visits; Rájec-Jestřebí (6565), 31.v.2023, 1 ♂, 22.vii.2023, 1 ♀, 6.ix.2023, 1 ♀, J. Dvořák leg., det. et coll.; Kyjov (6968), 5.vii.2023, larva on *Iberis sempervirens*, vii.2023, 1 ♀ ex larva, 11.viii.2023, 1 spec., 17.vii.2024, 1 ♀ ex larva, larva on *Iberis amara*, all J. Uříčář leg., det. et coll.; Mikulov, Na cvičišti Nature Monument (7166), 15.vii.2024, 1 ♀, Z. Laštůvka observ.

From the Czech Republic, it was first reported by Povolný (1975) from the vicinity of Mikulov in southern Moravia from 1973, several specimens from the same locality from 1969 are stored in the Hachler collection in the Moravian Museum in Brno. The species was newly recorded in the vicinity of České Budějovice in southern Bohemia in 2018 in connection with its expansion from the southwest (Faltýnek Fric & Mráček 2018). Presented Moravian records demonstrate the continued spread of this species (cf. Wiemers et al. 2020), and three temporally



Figs 15–16. *Pieris mannii* (Mayer, 1851). 15 – Česká u Brna. 16 – Prachatice. Photographs by Z. Laštůvka (15), A. Pavlíčko (16).

Obr. 15–16. *Pieris mannii* (Mayer, 1851). 15 – Česká u Brna. 16 – Prachatice. Fotografie Z. Laštůvka (15), A. Pavlíčko (16).

separated periods indicate the development of three generations by mid-August in southern Moravia. Confirmed occurrence in Moravia after 50 years, and first reliable records from there. The plant *Cardaria draba* is reported for the first time as a food plant of this species.

Pyralidae

Pyralis cardinalis Kaila, Huemer, Mutanen, Tyllinen et Wikström, 2020. Moravia bor., Dolní Morava, Králický Sněžník National Nature Reserve (5867), above the Sněžná chata Lodge, montane *Calamagrostis* spruce forest (*Calamagrostio villosae*-*Piceetum abietis*), with dominant *Picea abies*, 1280 m a.s.l., 12.vii.2023, 1 ♀ (Fig. 17), D. Caha leg., Z. Laštůvka det. et coll.

A Nordic species, very similar to *Pyralis regalis* ([Denis et Schiffermüller], 1775), described from Finland and distributed eastwards to China, Korea and Japan (Wikström et al. 2020). In recent years, its spread towards the west or south-west is evident. In neighbouring countries, it was recorded in Poland (Buszko 2022), eastern Slovakia (Tokár et al. 2021) and recently in Germany (Kormannshaus 2022). The northern Moravian record confirms the continued spread of this species. New species for the Czech Republic.

Euzopherodes charlottae (Rebel, 1914). Bohemia or.: Hradec Králové-Svinary, Dehetník Hill (5761), oak forest and forest margin, 9.viii.2020, 1 ♀, 27.vi.2022, 1 ♀, 19.vii.2022, 1 ♂, Vysoká nad Labem, Milíč Hill (5861), margin of sparse oak forest, 29.ix.2023, 1 ♂, all M. Mikát leg., det. et coll.; Karle near Svitavy, collected in a garden in intavilan (6264), 20.vii.2019 (Fig. 18), M. Jadrný leg., det. et coll.

Predominantly southern European species, in central Europe known from Austria, Czech Republic, Hungary and Slovakia (Šumpich et al. 2022a). In the Czech Republic, it was first

found in Konice near Znojmo in 1972 by J. Marek (Laštůvka et al. 1993). Later, it spread northwards and was gradually observed in more places in southern and central Moravia (Laštůvka & Laštůvka 2020), more recently also in northern Moravia (J. Šítek, pers. comm.). A record from Bohemia could thus be expected. New species for Bohemia.

Acrobasis fallouella (Ragonot, 1871). Bohemia centr.: Dlouhopolsko, Dlouhopolský rybník National Nature Monument (5857), 4.viii.2023, 2 ♂♂ (Fig. 19), G. Elsner et J. Liška leg. et det., coll. G. Elsner (1 ♂) et National Museum, Praha (1 ♂); Dobrovice env., Nepřevázka, Chlum Nature Monument (5655), 9.vii.2024, 1 ♂, 31.vii.2024, 1 ♂ observ., Dlouhopolsko, Dlouhopolský rybník pond National Nature Monument (5857), 26.vii.2024, 1 ♂, all J. Liška leg. et det., coll. National Museum, Praha. Bohemia or., Hradec Králové-Svinary, Dehetník Hill (5761), 9.viii.2020, 1 ♂, 2 ♀♀, 19.vii.2022, 2 ♂♂, 23.vii.2023, 2 ♂♂, 2 ♀♀, 31.vii.2024, 1 ♂, Hradec Králové-Nový Hradec Králové, Haltýře (5761), 7.viii.2024, 1 ♂, Hradec Králové, Na Plachtě Nature Monument (5861), 12.viii.2023, 1 ♀; Vysoká nad Labem, Milíř Hill (5861), 20.vii.2022, 3 ♂♂, 1 ♀, all M. Mikát leg. et det., coll. M. Mikát (8 ♂♂, 6 ♀♀) et Muzeum východních Čech v Hradci Králové (2 ♂♂).

Species distributed in roughly the southern half of Europe, in central Europe not listed from Poland (Šumpich et al. 2022a). From the Czech Republic, there is an uncertain old record of Zimmermann (1926) from Lednice in southern Moravia, and one record (in fact incorrect) of Novák & Liška (1997) from central Bohemia in the 1970s (both given as *A. glauccella* Staudinger, 1859); recently observed at more localities in southern Moravia (Laštůvka & Laštůvka 2020, Laštůvka et al. 2022). New species for Bohemia.

Phycitodes inquinatella (Ragonot, 1887). Bohemia bor., Stroupeč env., Přivlaky (5646), 20.vi.2023, 1 ♀, J. Šumpich leg. et det., coll. National Museum, Praha.

Species distributed mainly in southern and central Europe, in central Europe not listed from Slovenia (Šumpich et al. 2022a). In the Czech Republic newly recorded in many localities of southern Moravia (Liška et al. 2014, Šumpich et al. 2022a), probably indicating is slow expansion. New species for Bohemia.

Crambidae

Pyrausta obfuscata (Scopoli, 1763). Bohemia centr., Dobrovice env., Nepřevázka, Chlum Nature Monument (5655), 20.vi.2024 (collected with a net in plant community with dominant species *Inula salicina*), 1 ♂ (Fig. 20), J. Liška leg. et det., coll. National Museum, Praha.

In central Europe reported from all countries except Poland; in the Czech Republic known for one old record from Bohemia (Povolný et Králíček 1984), but recently discovered at scattered localities in southern Moravia (Šumpich et al. 2022a). Confirmed occurrence in Bohemia after 50 years.

Udea elutalis ([Denis et Schiffermüller], 1775). Bohemia bor., Frýdštejn u Turnova (5356), 18.vii.1987, 1 ex., G. Elsner leg., det. et coll. Bohemia bor. or., Broumov-Rožmitál (5364), margin of the quarry, 590 m a.s.l., 1 ♀ (Fig. 21), 24.vii.2019, M. Mikát leg., det. et coll.

Species known from some countries of western and central, partly southern Europe, in central Europe not recorded in Hungary; only older records are known from the Czech Republic,

mostly from northern and western Bohemia, the last one from Mariánské Lázně from 1964; one unreliable undocumented record also comes from central Moravia (Laštůvka & Liška 2011, Šumpich et al. 2022a). Confirmed occurrence in the Czech Republic.

Udea accolalis (Zeller, 1867). Bohemia or., Vysoká nad Labem (5861), wet leafy and mixed forest, 3.vi.2020, 1 ♂ (Fig. 22), M. Mikát leg., det. et coll.

Species widespread in most of southern and central Europe, known in central Europe from all countries (Šumpich et al. 2022a). In the Czech Republic, it was first reliably documented from Brno in southern Moravia in 1973 by J. Marek (Laštůvka et al. 1993), currently found rarely in several places in central and southern Moravia (unpublished observations). New species for Bohemia.

Diasemiopsis ramburialis (Duponchel, 1834). Bohemia or., Hradec Králové, Nový Hradec Králové (5761), garden in the intravilan, 1.xi.2018, 1 ♀ (Fig. 23), V. Hromádková leg. and photo, V. Hromádková and M. Mikát det., coll. M. Mikát.

An almost cosmopolitan species, known in Europe in its western and southern parts. In central Europe recorded as a rare migrant in Austria, Slovenia and Switzerland (Šumpich et al. 2022a). First record of this exceptional migrant in the Czech Republic.

Geometridae

Eupithecia schiefereri Bohatsch, 1893. Moravia mer., Znojmo env., Ječmeniště (7262), 17.vi.2013, 1 ♀ (Fig. 24), J. Skyva leg., det. et coll.

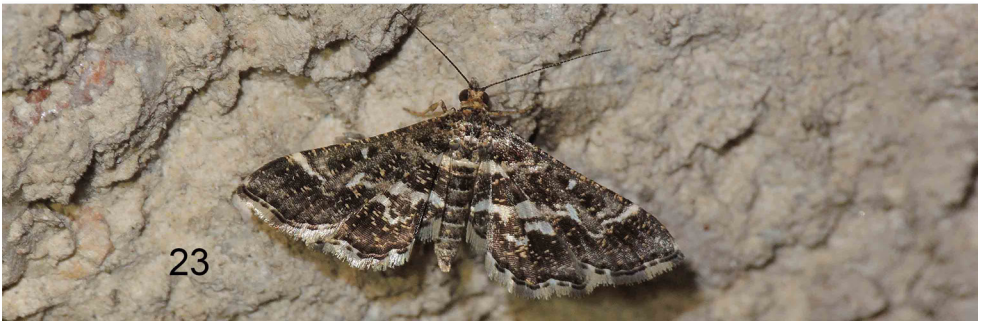
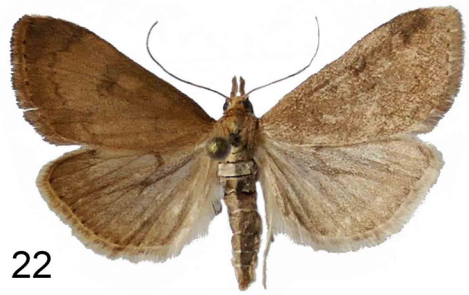
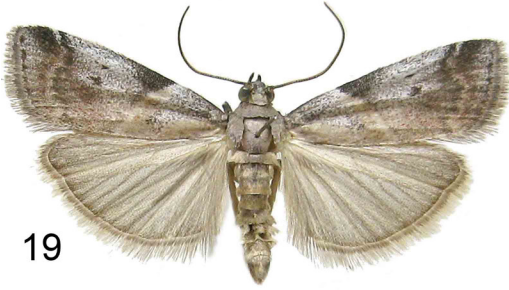
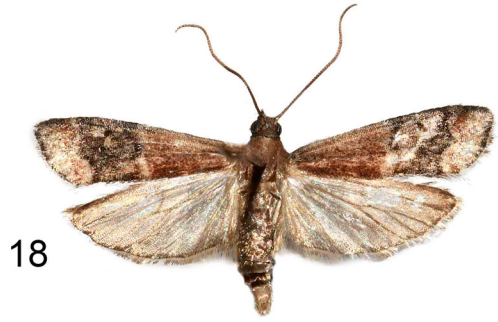
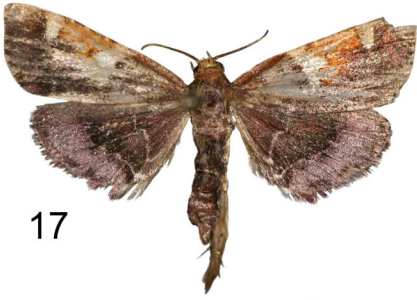
A generally rare species, distributed mainly in southern parts of Europe and southwest Asia; in central Europe known from Austria, Slovakia and Switzerland (Mironov 2003). It is not yet possible to decide whether the species is or will become a permanent member of the Czech fauna on the basis of a single captured specimen. New species for the Czech Republic.

Noctuidae

Athetis hospes (Freyer, [1831]). Bohemia centr., Zdíby (5852), 21.viii.2024, 1 ♂, V. Hula leg., det. et coll. Moravia mer., Hrabětice-Trávní Dvůr (7264), 14.vii.2024, 1 ♂ (Fig. 25), 7.viii.2024, 1 ♂, Dyjákovičky (7262), 24.viii.2024, 2 ♂♂, Mikulov (7165), 16.viii.2024,

Figs 17–23. Voucher specimens of recorded species. 17–*Pyralis cardinalis* Kaila, Huemer, Mutanen, Tyllinen et Wikström, 2020, Králický Sněžník. 18 – *Euzopherodes charlottae* (Rebel, 1914), Karle near Svitavy. 19 – *Acrobasis fallouella* (Ragonot, 1871), Dlouhopolsko. 20 – *Pyrausta obfuscata* (Scopoli, 1763), Nepřevázka. 21 – *Udea elutalis* ([Denis & Schiffermüller], 1775), Broumov-Rožmitál. 22 – *Udea accolalis* (Zeller, 1867), Vysoká nad Labem. 23 – *Diasemiopsis ramburialis* (Duponchel, 1834), Hradec Králové. Photographs by D. Caha (17), M. Jadrný (18), J. Liška (19–20), M. Mikát (21–22), V. Hromádková (23).

Obr. 17–23. Sbírkové doklady zaznamenaných druhů. 17–*Pyralis cardinalis* Kaila, Huemer, Mutanen, Tyllinen et Wikström, 2020, Králický Sněžník. 18 – *Euzopherodes charlottae* (Rebel, 1914), Karle u Svitav. 19 – *Acrobasis fallouella* (Ragonot, 1871), Dlouhopolsko. 20 – *Pyrausta obfuscata* (Scopoli, 1763), Nepřevázka. 21 – *Udea elutalis* ([Denis & Schiffermüller], 1775), Broumov-Rožmitál. 22 – *Udea accolalis* (Zeller, 1867), Vysoká nad Labem. 23 – *Diasemiopsis ramburialis* (Duponchel, 1834), Hradec Králové. Fotografie D. Caha (17), M. Jadrný (18), J. Liška (19–20), M. Mikát (21–22), V. Hromádková (23).



1 ♂, Sedlec u Mikulova, Skalky u Sedlece Nature Monument (7166), 16.viii.2024, 1 ♂, all K. Eliáš leg., det. et coll.; Mikulov, Na cvičišti Nature Monument (7166), 26.vii.2024, 1 ♂, Z. Laštůvka leg., det. et coll., 3.viii.2024, 4 ♂♂, J. Uříčář leg., det. et coll., 9.viii.2024, 1 ♂, 1 ♀, J. Liška leg. et det., coll. National Museum, Praha, 14.viii.2024, 3 ♂♂, Z. Laštůvka leg., det. et coll.; Sedlec u Mikulova, Liščí vrch Hill Nature Reserve (7166), 6.viii.2024, 2 spec., Z. Laštůvka observ., 21.viii.2024, 1 ♂, Z. Laštůvka leg., det. et coll. (+ 1 ♂, 1 ♀ observ.); Nejdek (7166), 29.vi.2025, 1 ♂, Valtice-Boří Dvůr (7266), 20.viii.2025, 1 ♂, 1 ♀, Z. Laštůvka leg., det. et coll.

Species with European distribution, common in Mediterranean incl. Slovenia, rare in northern parts of Europe. Records are known from Austria, Belgium, the British Isles, Denmark, Germany, the Netherlands and Switzerland (Fibiger & Hacker 2007, Lepiforum 2024). New species for the Czech Republic.

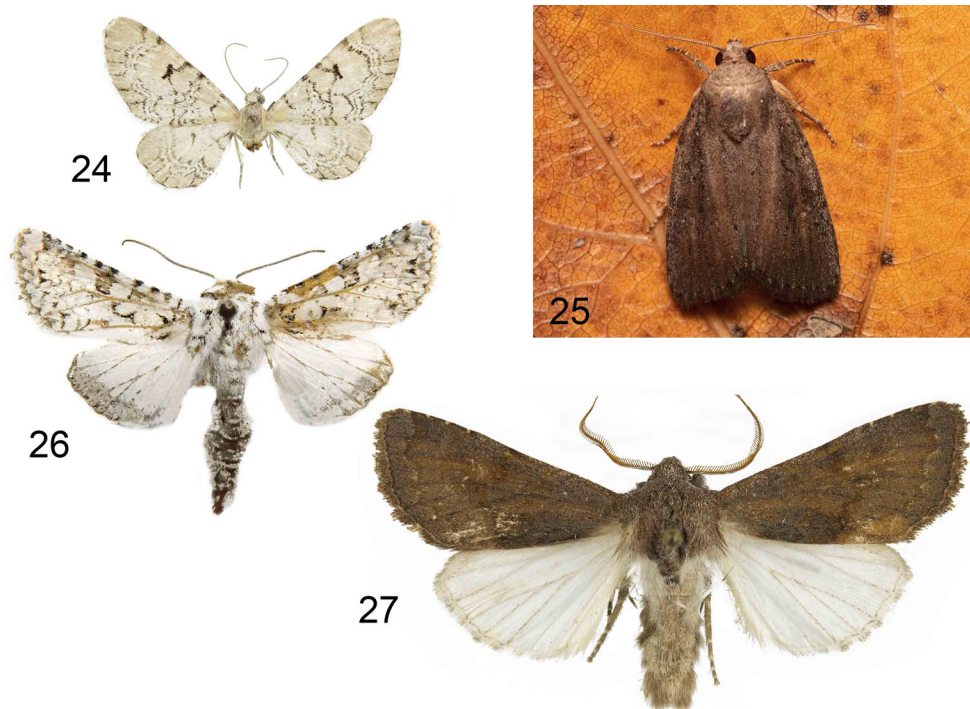
Hecatera cappa (Hübner, [1809]). Moravia mer., Mikulov, Svatý kopeček Hill, quarry (7165), 7.viii.2024, 1 ♂ (Fig. 26), K. Eliáš leg., det. et coll.

In Europe distributed from Spain in the west to Balkan and southern Ukraine in the east, outside of Europe it occurs in North Africa, the Levant, Turkey, Transcaucasia and Middle Asia (Hacker et al. 2002). In central Europe recorded in Austria, Hungary, Slovakia and Slovenia (Hacker et al. 2002, Lepiforum 2024). In the Czech Republic recorded only once in Klentnice in southern Moravia in 1950 (Wichra 1965). Confirmed occurrence in the Czech Republic after more than 70 years.

Aporophyla lueneburgensis (Freyer, 1848). Bohemia bor., Doupovské hory Mts, Mašťov env., Žďár (5745), 8.ix.2018, 1 ♂, Kadaň (5645), 11.ix.2020, 1 ♂ (Barcode data NMPC-Lep-0481) (Fig. 27), Krušné hory Mts, Krásný les, 710 m a.s.l. (5249), 17.ix.2023, 1 ♂, all J. Skyva leg., det. et coll.; Oldřichov-Barbora (5248), 22.ix.2019, 1 ♂, Cínovecký hřbet (5248), 10.ix.2023, 1 ♀, all P. Pipek leg., det. et coll.; Stroupeč env., Ohře valley (5646), 12.ix.2023, 2 ♂♂ (Barcode data NMPC-Lep-1463), J. Šumpich leg. et det., coll. National Museum, Praha; Ústí nad Labem district, Církvice (5450), 20.ix.2019, 2 ♂♂ (Barcode data NMPC-Lep-1464), 12.ix.2020, 1 ♂, all M. Žemlička leg., det. et coll.

Atlantico-Mediterranean species, almost indistinguishable from its sister Ponto-Mediterranean species *Aporophyla lutulenta* ([Denis et Schiffermüller], 1775), known from southwestern and western Europe north to southern Sweden. In central Europe recorded from western Austria, Germany, western Poland, Switzerland and Slovenia (Ronkay et al. 2001, Buszko & Nowacki 2017, Lepiforum 2024). It is necessary to examine further material from Bohemia, especially from its eastern parts, where both species could theoretically occur. At present, the occurrence of species of the genus *Aporophyla* Guenée, 1841 in the Czech Republic is documented only for northern Bohemia (faunistic details above) and southern and central Moravia, where only *A. lutulenta* occurs (confirmed by barcoding, Fig. 28). New species for the Czech Republic.

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Figs 24–27. Voucher specimens of recorded species. 24 – *Eupithecia schiefereri* Bohatsch, 1893, Ječmeniště. 25 – *Athetis hospes* (Freyer, [1831]), Hrabětice – Trávní dvůr. 26 – *Hecatera cappa* (Hübner, [1809]), Mikulov. 27 – *Aporophyla lueneburgensis* (Freyer, 1848), Kadaň. Photographs by J. Šumpich (24, 27), K. Eliáš (25–26). Obr. 24–27. Sbírkové doklady zaznamenaných druhů. 24 – *Eupithecia schiefereri* Bohatsch, 1893, Ječmeniště. 25 – *Athetis hospes* (Freyer, [1831]), Hrabětice – Trávní dvůr. 26 – *Hecatera cappa* (Hübner, [1809]), Mikulov. 27 – *Aporophyla lueneburgensis* (Freyer, 1848), Kadaň. Fotografie J. Šumpich (24, 27), K. Eliáš (25–26).

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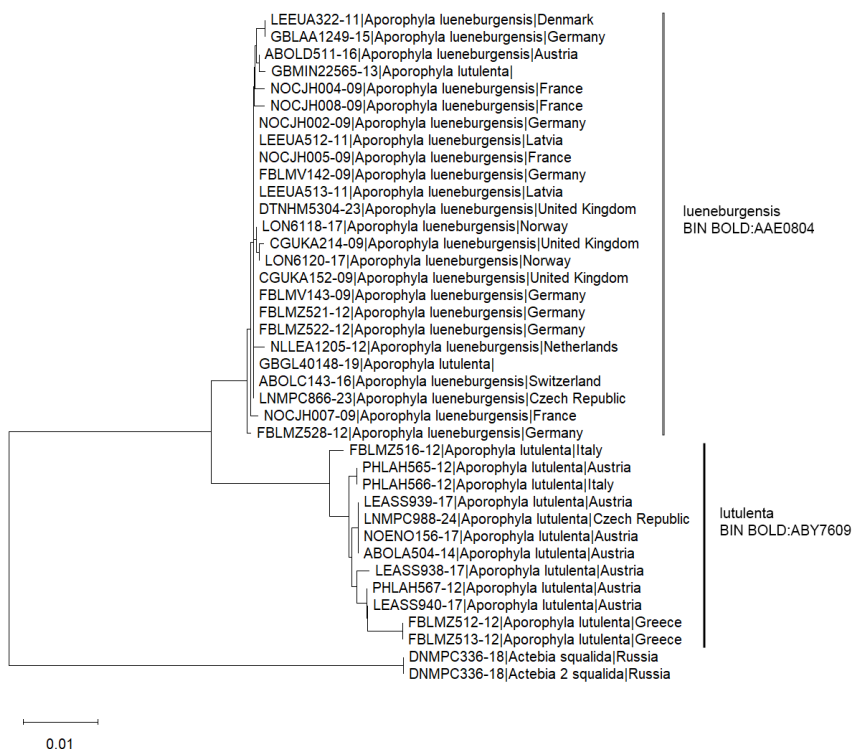


Fig. 28. Neighbour-joining tree with *Aporophyla lueneburgensis* (Freyer, 1848) and *Aporophyla lutulenta* ([Denis et Schifferrmüller], 1775) with *Actebia squalida* (Guenée, 1852) as an outgroup created from available records in the BOLD System. Source: Barcode of Life, database, cf. Ratnasingham & Hebert (2007).

Obr. 28. Fylogenetický strom s *Aporophyla lueneburgensis* (Freyer, 1848) a *Aporophyla lutulenta* ([Denis et Schifferrmüller], 1775) s *Actebia squalida* (Guenée, 1852) stojící mimo zkoumanou skupinu vytvořený z dostupných záznamů v systému BOLD. Zdroj: Barcode of Life, database, cf. Ratnasingham & Hebert (2007).

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