

NINE ADDITIONS TO THE CROATIAN PYRALOID MOTH FAUNA (LEPIDOPTERA: PYRALOIDEA)

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During the last few years, numerous surveys were undertaken to improve the knowledge of the Croatian pyraloid moth fauna. The first author carried out research from 2016 until 2022 on the island of Brač in Dalmatia. The second and third authors carried out research in 2018 and 2019 in the area around Zadar in Dalmatia and the region of Lika. The fourth author collected specimens in 2012 and 2022 in the area of Šibenik, Dalmatia, and the fifth author in 2008, in the area of Split, also in Dalmatia.

A list of all recorded species from several locations in Dalmatia and Lika is presented, containing the first data on pyraloid moths from the island of Brač. Throughout these surveys, a total of 163 species were recorded, of which nine are new to the Croatian moth fauna. From the family Pyralidae, the following species were recorded for the first time: *Aphomia foedella* (Zeller, 1839), *Apomyelois bistriatella* (Hulst, 1887), *Delplanqueia inscriptella* (Duponchel, 1836), *Epischmia asteris* Staudinger, 1870, *Melathrix coenulentella* (Zeller, 1846), *Phycita asselbergi* Slamka, 2019 and *Phycitodes saxicola* (Vaughan, 1870). From the family Crambidae the following species were reported for the first time from Croatia: *Hyperlais lutosalis* (Mann, 1862), and *Pyrausta rectefascialis* Toll, 1936. The rare and endangered thermophilic species *Ostrinia quadripunctalis* (Denis & Schiffermüller, 1775) and the myrmecophilous *Aglossa signicostalis* Staudinger, 1870 were also identified. These findings are the second records from Croatia and hereby represent a contribution to their known distribution in Croatia. The finding of two specimens identified as *Evergestis infirmalis* Staudinger, 1870 – previously unreported from Croatia and the Balkan Peninsula – is presented. DNA barcode data reveal a possible misidentification with all the *Evergestis caesialis* (Herrich-Schäffer, [1849]) identified from Croatia. Images of the imago and the genitalia, as well as the DNA barcode sequences, are also presented.

With these nine additions to the checklist, the Croatian pyraloid moth fauna now numbers 406 species.

Keywords: Pyralidae, Crambidae, fauna, Zadar, Brač, Šibenik, Croatia

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Kako bi se doprinijelo poznavanju hrvatske faune Pyraloidea posljednjih je godina provedeno nekoliko faunističkih istraživanja. Prva autorica provela je istraživanje od 2016. do 2022. godine na otoku Braču u Dalmaciji. Drugi i treći autor proveli su istraživanje u 2018. i 2019. godini na području Zadra u Dalmaciji te na području Like. Četvrti autor skupljao je primjerke u 2012. i 2022. godini na području Šibenika u Dalmaciji, a peti autor u 2008. godini na području Splita u Dalmaciji.

U radu se navodi popis svih zabilježenih vrsta s raznih lokaliteta u Dalmaciji i Lici, kao i prvi podaci o fauni Pyraloidea s otoka Brača. Tijekom istraživanja utvrđene su ukupno 163 vrste, od kojih je njih 9 novih za hrvatsku faunu. Iz porodice Pyralidae zabilježene su sljedeće vrste: *Aphomia foedella* (Zeller, 1839), *Apomyelois bistriatella* (Hulst, 1887), *Delplanqueia inscriptella* (Duponchel, 1836), *Epischmia asteris* Staudinger, 1870, *Melathrix coenulentella* (Zeller, 1846), *Phycita asselbergi* Slamka, 2019 i *Phycitodes saxicola* (Vaughan, 1870). Iz porodice Crambidae sljedeće vrste utvrđene su po prvi puta u Hrvatskoj: *Hyperlais lutosalis* (Mann, 1862) i *Pyrausta rectefascialis* Toll, 1936. Usto su utvrđene rijetka i ugrožena termofilna vrsta *Ostrinia quadripunctalis* (Denis & Schiffermüller, 1775) kao i mirmekofilna vrsta *Aglossa signicostalis* Staudinger, 1870. Ovi su nalazi tek drugi nalazi ovih vrsta za Hrvatsku te predstavljaju doprinos poznavanju njihovoj rasprostranjenosti u toj zemlji. Također se predstavlja pronalazak dvaju primjeraka determiniranih kao *Evergestis infirmalis* Staudinger, 1870 – prethodno neutvrđenih u Hrvatskoj i na Balkanskom poluotoku. Podaci DNA barkodiranja ukazuju na moguću pogrešnu determinaciju svih primjeraka vrste *Evergestis caesialis* (Herrich-Schäffer, [1849]) iz Hrvatske. U radu se isto prikazuju slike imaga i genitalnog preparata, te rezultati DNA barkodiranja.

Zajedno s ovih 9 dodataka popisu vrsta, hrvatska fauna Pyraloidea ukupno broji 406 vrsta.

Ključne riječi: Pyralidae, Crambidae, Zadar, Brač, Šibenik, Hrvatska

INTRODUCTION

Many of the faunistic papers published on Croatian Lepidoptera in the last two centuries included Pyraloidea species (ABAFI-AIGNER et al., 1896; GALVAGNI, 1902; MANN, 1857, 1867, 1869; REBEL, 1891, 1895, 1903, 1904, 1917; SCHAWERDA, 1921; etc.). Although the superfamily has also been the subject of many recent investigations, especially in the last two decades (HABELER, 2003, FAZEKAS, 2009, KOREN, 2015, 2018, 2021, ŠUMPICH & SKYVA, 2012, ŠUMPICH, 2013, PLANT & JAKŠIĆ, 2018, GUMHALTER, 2020, GUMHALTER et al., 2018, 2020, GUMHALTER & KUČINIĆ, 2021, etc.), the distribution and status of many species that were reported only from historical literature remain unknown.

In 2019, the first checklist was created. It included 377 species (GUMHALTER, 2019a; 2019b). Subsequently published data about additional new species from the families Pyralidae and Crambidae in Croatia have shown that its fauna is still not thoroughly known. So, in 2021 an updated checklist was presented (Gumhalter), counting altogether 396 species. Later on, the species number rose to 397, as *Aglossa signicostalis* Staudinger, 1971 was also reported from the country (GUMHALTER, 2022). As further additions are expected, research on Pyraloidea is ongoing.

The authors carried out research on pyraloid moths in different localities in the regions of Dalmatia and Lika: from 2016 until 2022 the first author collected moths on the island of Brač in Dalmatia, and in 2018 and 2019 the second and third authors collected them in the area around Zadar in Dalmatia and the Lika region. In 2012 and 2022 moths were collected by the fourth author in the area of Šibenik, and in 2008 by the fifth author, in the area of Split, both in Dalmatia.

Through our surveys, a total of 163 species were identified. In this paper, we present the occurrence of nine new species for the fauna of Croatia. Two species were recorded for the second time in Croatia and these findings represent a contribution to their known distribution in the country. This paper also aims to provide the first data on pyraloid moth species reported from the island of Brač, as well as a list of all species recorded in the above-mentioned surveys.

MATERIAL AND METHODS

From 2016 until 2022, the first author conducted several field surveys in different localities on the island of Brač in Dalmatia: Supetar (10 m, 43°22'55.2"N 16°33'15.7"E),

Sutivan (20 m, 43°23'12.0"N 16°28'04.0"E), Sutivan 2 (90 m, 43°22'54.1"N 16°28'23.9"E), Nerežišća (360 m, 43°20'04.3"N 16°34'28.6"E) and Vidova Gora (680 m, 43°17'29.4"N 16°36'32.4"E).

All the collected material was deposited in the private collection of the first author (coll. Gumhalter). A total of 81 Pyraloidea species were reported from the island of Brač. These data constitute the first list of pyraloid moth species distributed on that island.

The second and third authors carried out research in 2018 and 2019 in different localities in Dalmatia, in the area around Zadar: Gornji Karin (0 m, 44.14408°N 15.63208°E), Donji Karin (0 m, 44.13051°N 15.62049°E), Vir (0 m, 44.282802°N 15.127520°E), Pag, Rtina Miletići (15 m, 44.315041°N 15.271700°E), Meka Draga (120 m, 44.1805°N 15.6174°E), Matići (186 m, 44.196085°N 15.646325°E), Zaton Obrovački (210 m, 44.2214°N 15.7115°E), Erslani (220 m, 44.178752°N 15.65729°E), Kruševo E (306 m, 44.175422°N 15.666627°E), Erslani N (390 m, 44.178164°N 15.662437°E), Marinovići (493 m, 44.153358°N 15.685482°E), Bruvno (665 m, 44.372°N 15.8785°E), Prezid (780 m, 44.2519°N 15.8092°E), Otrić, Velika Popina 1 (750 m, 44.2572°N 16.0727°E), Otrić, Velika Popina 2 (840 m, 44.255489°N 16.076593°E), Otrić, Velika Popina 3 (1093 m, 44.261382°N 16.103147°E), Mazin (1050 m, 44.4806°N 15.9893°E). Several field surveys were also carried out in the Lika region: Ričice (570 m, 44.3254°N 15.7611°E).

The collected material was deposited in the private collection of the second author (coll. Berggren) or deposited in the Natural History Museum, University of Oslo (NHMO). Altogether 107 Pyraloidea species were recorded through this research, seven of them being new to the fauna of Croatia.

The fourth author collected moths in the area of Šibenik in Dalmatia from 2008 until 2010, in 2012 and 2022 in two localities: Zečevo-Rogozničko (57 m, 43.550527°N 15.939605°E) and Rogoznica (10 m, 43.541807°N 15.951646°E). A total of 26 Pyraloidea species were reported from this area, with two being new to the Croatian fauna. All the collected moths are deposited in his private collection (coll. Kosorin).

The fifth author collected material in the area of Split in 2008 in the locality of Zelovo (district of Sinj, 750 m. a. s. l.). This material included two specimens identified as *Evergestis infirmalis* Staudinger, 1870. The species was previously not reported from Croatia or the Balkan Peninsula. DNA barcode data reveal a possible misidentification with all the *Evergestis caesialis* (Herrich-Schäffer, [1849]) identified from Croatia, and its status needs to be analyzed further. Together with the rest of the collected material, these specimens are deposited in his private collection (coll. Graf).

All specimens were caught with a UV light or a net and determination of species was conducted according to SLAMKA (2006, 2008, 2013, 2019). The list of species in each genus is organized alphabetically and the systematic presentation follows the Fauna Europaea database (NUSS *et al.*, 2013). Dissections of genitalia were performed when necessary. Some of the specimens were barcoded and can be found on BOLD – The Barcode of Life Data System (<http://www.barcodinglife.org>).

RESULTS AND DISCUSSION

According to van NIEUKERKEN *et al.* (2011), the superfamily Pyraloidea currently includes 15,576 described species worldwide. Following Lepiforum, about 1881 species can be found in Europe.

Through our surveys, altogether 163 species were identified. Amongst the findings were several specimens of nine new species for the Croatian fauna. Since DNA barcode data reveal a possible misidentification of two species, the finding of a previously unreported species from Croatia and the Balkan Peninsula is discussed below. Since its status is still unclear, we have not listed it as a new species for the Croatian fauna. Also, two species were recorded for the second time in Croatia and these findings represent a contribution to their known distribution in the country.

Aphomia foedella (Zeller, 1839)

Material examined: Croatia, Zadar, Erslani, 8.-20.6.2019, 220 m. a. s. l., 44.178752°N 15.65729°E, 1 female, leg., det. & coll. Kai Berggren

Note: In Europe, this species (Fig. 1) is present in the Czech Republic, Hungary, Romania, Slovakia, and Ukraine (Nuss *et al.*, 2013). According to SLAMKA (2006), *A. foedella* is a rare species that was recently recorded only from Hungary. It inhabits dry open habitats. Our specimen was found in a forest glade. This is the first record of the species in Croatia.

Apomyelois bistriatella (Hulst, 1887)

Material examined: Croatia, Zadar, Otrić, Velika Popina, 3 12.6.2019, 1097 m. a. s. l., 44.261382°N 16.103147°E, 1 male, leg. & det. Leif Aarvik, coll. NHMO

Note: The species is distributed in Austria, Britain, Channel Is., the Czech Republic, Denmark, Estonia, Finland, the French mainland, Germany, Hungary, Latvia, Lithuania, North European Russia, Norway, Poland, Romania, Slovakia, Sweden, and the Netherlands (Nuss *et al.*, 2013). The specimen was collected (Fig. 2) on a forest edge. This is the first record of this species in Croatia.



Fig. 1. A specimen of *Aphomia foedella* collected on 20th June 2019 in Erslani (photo: K. Berggren).



Fig. 2. Adult of *Apomyelois bistriatella* (photo: L. Aarvik)

Delplanqueia inscriptella (Duponchel, 1836)

Material examined: Croatia, Zadar, Bruvno, 31.5.2018, 665 m. a. s. l., 44.372°N 15.8785°E, 7 ex., leg., det. & coll. Kai Berggren with DNA barcode sample id LON7182-18; Bruvno, 3.6.2018, 665 m. a. s. l., 44.372°N 15.8785°E, 3 ex., leg. & det. Leif Aarvik, coll. NHMO; 2 ex., leg., det. & coll. Kai Berggren; Bruvno, 16.6.2019, 665 m. a. s. l., 44.372°N 15.8785°E, 1 ex., leg. & det. Leif Aarvik, coll. NHMO; Marinovići, 17.6.2019, 493 m. a. s. l., 44.153358°N 15.685482°E, 2 ex., leg., det. & coll. Kai Berggren with DNA barcode sample id NLON716-19; Prezid, 31.5.2018, 780 m. a. s. l., 44.2519°N 15.8092°E, 1 ex., leg. & det. Leif

Aarvik, coll. NHMO; 1 ex., leg., det. & coll. Kai Berggren with DNA barcode sample id LON7194-18; Ričice, 26.5.-6.6.2018, 570 m. a. s. l., 44.3254°N 15.7611°E, 1 ex., leg., det. & coll. Kai Berggren

Note: The species (Fig. 3) was recorded from the Channel Is., the French mainland, and the Spanish mainland (Nuss *et al.*, 2013) as well as Sweden, Denmark, and Latvia (AARVIK *et al.*, 2017), and, following Lepiforum, from Austria, Germany, Switzerland, Montenegro, Slovakia, and England. It is usually found on xerothermic open limestone, chalk habitats, or sandy biotopes (SLAMKA, 2019). The specimens were collected in several localities, usually in meadows. These are the first records of *D. inscriptella* in Croatia.

Epischnia asteris Staudinger, 1870

Material examined: Croatia, Zadar, Gornji Karin, 9.6.2019, 0 m. a. s. l., 44.14408°N 15.63208°E, 1 ex., leg., det. & coll. Kai Berggren with DNA barcode sample id NLON616-19; Šibenik, Rogoznica, 7.7.2022, 10 m. a. s. l., 43,541807°N 15,951646°E, 1 ex., leg., det. & coll. František Kosorín

Note: Following Fauna Europaea, *E. asteris* (Fig. 4) is present in Britain, the Channel Is., the French mainland, Malta, the Portuguese mainland, and the Spanish mainland (Nuss *et al.*, 2013). This is the first record of this species in Croatia.



Fig. 3. One specimen of *Delplanqueia inscriptella* (photo: K. Berggren)



Fig. 4. Adult of *Epischnia asteris* in Croatia (photo: F. Kosorín)

Melathrix coenulentella (Zeller, 1846)

Material examined: Šibenik, Rogoznica, 7.7.2022, 10 m. a. s. l., 43,541807°N 15,951646°E, 2 ex., leg., det. & coll. František Kosorín

Note: The species (Fig. 5) is not mentioned in the Fauna Europaea database (Nuss *et al.*, 2013). Following SLAMKA (2019), it inhabits arid and open habitats. In Europe, it is distributed as follows: mainland Portugal and Madeira, Spain, Ibiza, Canary Is., southern France, Corsica, Sardinia, Sicily, Malta, Greece, and Cyprus. Our specimens were found on the terrace of a house with very dry coastal scrub and gardens in the area. This is the first record of this species in Croatia.

Phycita asselbergi Slamka, 2019

Material examined: Croatia, Zadar, Marinovići, 17.6.2019, 493 m. a. s. l., 44.153358°N 15.685482°E, 2 males., leg., det. & coll. Kai Berggren with DNA barcode sample id NLON612-19

Note: *P. asselbergi* (Fig. 6) is also not mentioned in the Fauna Europaea database (Nuss *et al.*, 2013). According to SLAMKA (2019), DNA barcoded material identified as *Phycita mianella* Amsel, 1950 belongs to a different species, which he (op. cit.) described as *P. asselbergi*. One of the males from Marinovići was barcoded and the DNA from this specimen agrees with *P. mianella* sequences in the Bold database (which actually represent *P. asselbergi*). *P. asselbergi* probably inhabits arid habitats up to 1600 m. a. s. l. (SLAMKA, 2019). This is the first record of *P. asselbergi* in Croatia.



Fig. 5. One specimen of *Melathrix coenulentella* collected on 7th July 2022 in Rogoznica (photo: F. Kosorin)



Fig. 6. *Phycita asselbergi* collected on 17th June 2019 in Marinovići at 493 meters above sea level (photo: K. Berggren)

Phycitodes saxicola (Vaughan, 1870)

Material examined: Croatia, Zadar, Pag, Rtina Miletići, 29.5.2018, 15 m. a. s. l., 44.315041°N 15.271700°E, 1 female, leg., det. & coll. Kai Berggren with DNA barcode sample id LON7180-18

Note: The species is distributed in Austria, Belgium, Britain., Bulgaria, Canary Is., Central European Russia, Channel Is., Corsica, Cyprus, Czech Republic, Denmark, Estonia, Finland, the French mainland, Germany, the Greek mainland, Hungary, Ireland, the Italian mainland, Kriti (Crete), Latvia, Lithuania, North Macedonia, Malta, Norway, the Portuguese mainland, Romania, Sardinia, Sicily, Slovakia, South European Russia, the Spanish mainland, Sweden, Switzerland and the Netherlands (Nuss *et al.*, 2013). This is the first record of the species in Croatia (Fig. 7).

Hyperlais lutosalis (Mann, 1862)

Material examined: Croatia, Šibenik, Zečevo-Rogozničko, 30.7.2012, 57 m. a. s. l., 43,550527°N 15,939605°E, 1 ex., leg., det. & coll. František Kosorin; Zečevo-Rogozničko 1.8.2012, 57 m. a. s. l., 43,550527°N 15,939605°E, 1 ex., leg., det. & coll. František Kosorin; Zečevo-Rogozničko, 4.8.2012, 57 m. a. s. l., 43,550527°N 15,939605°E, 1 ex., leg., det. & coll. František Kosorin.

Note: The species (Fig. 8) is not mentioned in the Fauna Europaea database (Nuss *et al.*, 2013). Our specimens were found on the terrace of a house with very dry coastal scrub and gardens in the area. These are the first records of the species in Croatia.

Pyrausta rectefascialis Toll, 1936

Material examined: Croatia, Zadar, Erslani, 15.6.2019, 220 m. a. s. l., 44.178752°N 15.65729°E, 1 male, leg., det. & coll. Kai Berggren; Zaton Obrovački, 16.6.2019, 210 m, 44.2214°N 15.7115°E, 1 female, leg., det. & coll. Kai Berggren; Pag, Rtina Miletići, 29.5.2018,



Fig. 7. One specimen of the species *Phycitodes saxicola* in Croatia (photo: K. Berggren)



Fig. 8. *Hyperlais lutosalis* collected on 30th July 2012 in Zečevo (photo: F. Kosorin)

15 m. a. s. l., 44.315041°N15.271700°E, 1 male, 1 female, leg., det. & coll. Kai Berggren. The female with DNA barcode sample id LON7193-18.

Note: *P. rectefascialis* (Fig. 9) is not mentioned in the Fauna Europaea database (Nuss *et al.*, 2013). According to SLAMKA (2019), the species inhabits arid open habitats, steppes up to 2,200 m.a.s.l. We have collected our specimens in meadows.

SLAMKA (2019) states that *P. rectefascialis* is sympatric with *P. cingulata*, in some localities syntopic. Since the difference in the copulatory organs is not reliable, only DNA analysis can identify the species. One of our females was barcoded and the DNA proved it to be *P. rectefascialis*. This is the first record of this species in Croatia.

Evergestis infirmalis Staudinger, 1870

Material examined: Croatia, Split, Zelovo, 9.8.2008, 750 m. a. s. l., 2 ex., leg., gen., det. & coll. Friedmar Graf. The male with DNA barcode sample id BC MTD Lep. 01649.

Note: From Europe, the species has been recorded only on the Greek mainland (Nuss *et al.*, 2013) and in Italy (PINZARI *et al.*, 2010).

Both specimens, one male (Fig. 10) and one female (Fig. 11), were dissected. The genitalia analysis (Fig. 12) showed them to be *E. infirmalis* (GOATER *et al.*, 2005). This would be the first record from Croatia, and the Balkan Peninsula, and it would represent a contribution to its general distribution in Europe. Nonetheless, since the morphological structures of the genitalia are not completely distinguishable from *E. caesialis*, the male was DNA barcoded. In the phylogenetic tree (Fig. 13), two clusters are visible. The original records of *E. caesialis* from Calabria in Italy (BOLD sample ID: LEP-SS-00693) belong to one cluster – the South and Central Italian cluster. Our specimen, together with other specimens from Croatia and Italian localities in the North, belong to another cluster. As these clusters are not well separated, it is unclear if both clusters belong to one species, *E. caesialis*, or if all *E. caesialis* from Croatia are in fact misidentifications of *E. infirmalis*. The first recorded *E. infirmalis* originates from Greece. So, it is possible that the species is also distributed in Croatia and North Italy. This issue inquires further investigation.

Also interesting are the findings of *Ostrinia quadripunctalis* (Denis & Schiffermüller, 1775) and *Aglossa signicostalis* Staudinger, 1870. Both species were previously recorded only once in Croatia so these findings represent a contribution to their known distribution in Croatia.



Fig. 9. Adult of *Pyrausta rectefascialis* (photo: K. Berggren)



Fig. 10. Male specimen of *Evergestis infirmalis* in Croatia (photo: F. Graf)

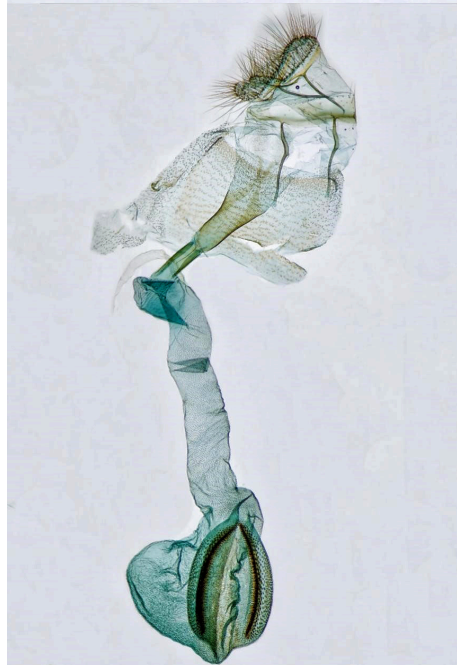


Fig. 11. Female specimen of *Evergestis infirmalis* in Croatia (photo: F. Graf) **Fig. 12.** Male and female genitalia (photo: F. Graf)

One specimen of *O. quadripunctalis* was collected by the third author in the Lika region at altitudes of approximately 570 meters above sea level. The thermophilic species was previously reported only once from Croatia, in 2016 (KOREN & ZADRAVEC, 2018). One specimen was collected on Krč Hill, near Zagreb, at altitudes of 335 meters above sea level. According to LERAUT (2012) and SLAMKA (2013), *O. quadripunctalis* is regarded as highly local, rare, endangered, and in need of the strictest protection in Europe. This finding is the first from the Lika region as well as the second from Croatia after 2016.

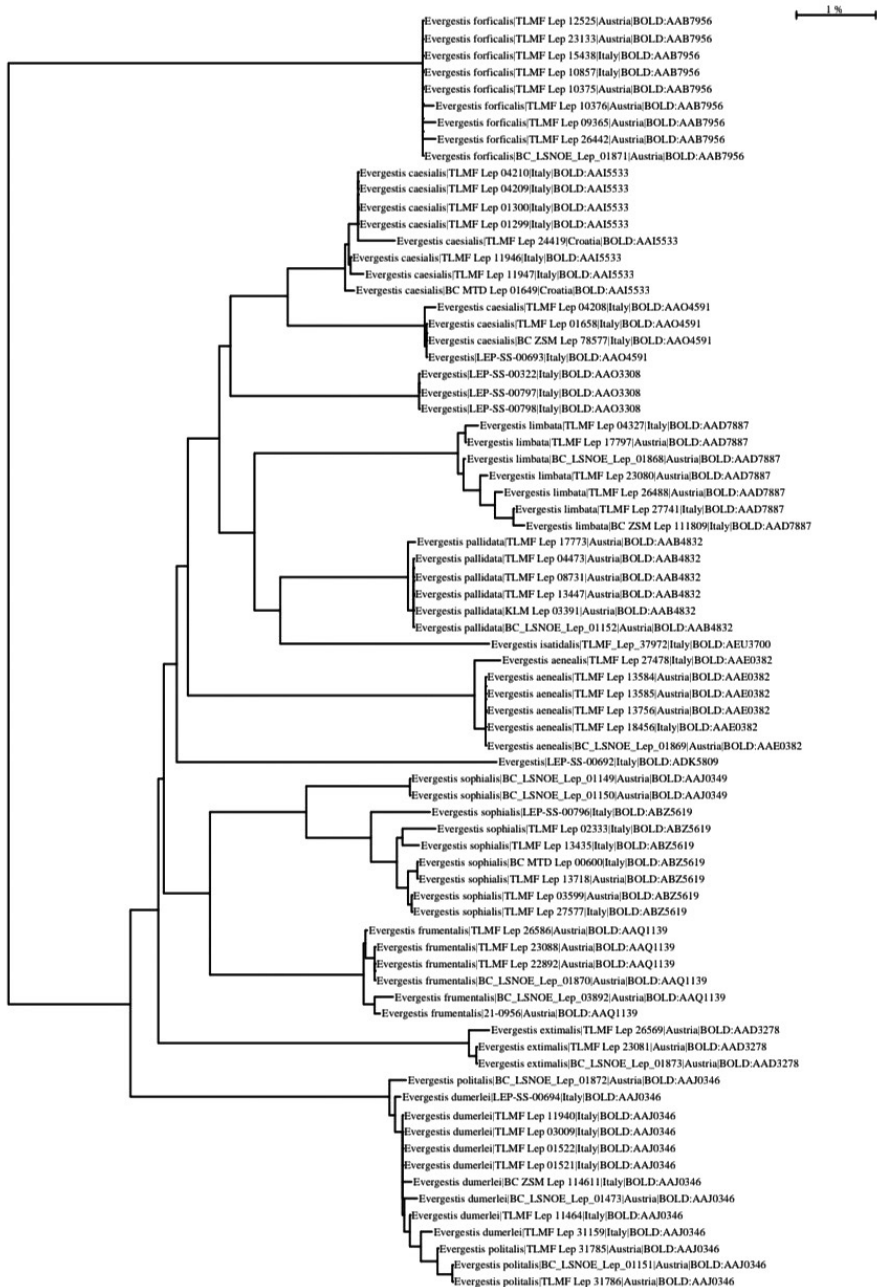


Fig. 13. The phylogenetic tree of *E. caesialis*, with two visible clusters.

Altogether three specimens of *A. signicostalis* were collected by the second and third authors in the area of Zadar, at altitudes of approximately 220 meters above sea level. The only records of this myrmecophilous species from Croatia are from the continental part of the country (GUMHALTER, 2022). One specimen was collected on a meadow close

to the Sava riverbank in Zagreb, at about 113 meters above sea level. It is considered to be rare in the southern Balkans, while it probably prefers the milder climate of Central Europe (GUMHALTER, 2022). The findings from Dalmatia are the first from that region of Croatia.

Taking the above-mentioned additions into account, the number of Pyraloidea species occurring in Croatia rises to 406. The list now includes 220 Crambidae and 186 Pyralidae taxa.

List of species

Pyraloidea

Crambidae

Agriphila brioniellus (Zerny, 1914)

Island Brač: Vidova Gora 27.08.2016, 3 specimens (coll. Gumhalter); Sutivan 27.08.2016, 1 specimen (coll. Gumhalter); Vidova Gora 27.08.2017, 2 specimens (coll. Gumhalter); Sutivan 01.09.2018, 1 specimen (coll. Gumhalter); Vidova Gora 25.08.2019, 4 specimens (coll. Gumhalter); Vidova Gora 25.08.2019, 5 specimens (coll. Gumhalter)

Agriphila dalmatinellus (Hampson, 1900)

Island Brač: Sutivan 01.09.2016, 1 specimen (coll. Gumhalter)

Agriphila inquinatella (Denis & Schiffermüller, 1775)

Island Brač: Vidova Gora 26.08.2017, 4 specimens (coll. Gumhalter); Vidova Gora 25.08.2019, 5 specimens (coll. Gumhalter)

Agriphila latistria (Haworth, 1811)

Island Brač: Vidova Gora 27.08.2016, 2 specimens (coll. Gumhalter)

Agriphila tolli (Bleszyński, 1952)

Brač Island: Vidova Gora 27.08.2016, 6 specimens (coll. Gumhalter); Vidova Gora 27.08.2017, 8 specimens (coll. Gumhalter); Vidova Gora 25.08.2019, 4 specimens (coll. Gumhalter)

Agriphila tristella (Denis & Schiffermüller, 1775)

Brač Island: Vidova Gora 27.08.2017, 5 specimens (coll. Gumhalter)

Ancylolomia pectinatellus (Zeller, 1847)

Brač Island: Vidova Gora 27.08.2016, 1 specimen (coll. Gumhalter); Nerežišća 31.08.2016, 5 specimens (coll. Gumhalter); Vidova Gora 25.08.2019, 6 specimens (coll. Gumhalter);

Sutivan 20.08.2020, 1 specimen (coll. Gumhalter)

Ancylolomia tentaculella (Hübner, 1796)

Brač Island: Sutivan 2 06.09.2022, 1 specimen (coll. Gumhalter)

Catoptria falsella (Denis & Schiffermüller, 1775)

Brač Island: Vidova Gora 26.08.2017, 3 specimens (coll. Gumhalter); Sutivan 27.08.2016, 4 specimens (coll. Gumhalter); Vidova Gora 27.08.2016, 5 specimens (coll. Gumhalter); Vidova Gora 25.08.2019, 6 specimens (coll. Gumhalter)

Chrysocrambus craterellus (Scopoli, 1763)

Zadar area: Otrić, Velika Popina 1 28.05.2018, 8 specimens (coll. NHMO), 5 specimens (coll. Berggren; Pag, Rtina Miletići 29.05.2018, 1 specimen (coll. NHMO), 1 specimen (coll. Berggren); Erslani 15.06.2019, 1 specimen (coll. Berggren); Prezid 10.06.2019, 1 specimen (coll. Berggren)

Lika region: Ričice 26.05.-06.06.2018, 1 specimen (coll. Berggren)

Chrysoteuchia culmella (Linnaeus, 1758)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Crambus lathoniellus (Zincken, 1817)

Zadar area: Mazin 01.06.2018, 1 specimen (coll. NHMO)

Crambus pascuella (Linnaeus, 1758)

Zadar area: Vir 18.06.2019, 1 specimen (coll. Berggren)

Brač Island: Nerežišća 31.08.2016, 4 specimens (coll. Gumhalter); Nerežišća 20.08.2017, 2 specimens (coll. Gumhalter)

Euchromius bella (Hübner, 1796)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Euchromius superbellus (Zeller, 1849)

Brač Island: Vidova Gora 27.08.2016, 1 specimen (coll. Gumhalter)

Mesocrambus candiellus (Herrich-Schäffer, 1848)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Metacrambus carectellus (Zeller, 1847)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Pediasia contaminella (Hübner, 1796)

Zadar area: Pag, Rtina Miletići 29.05.2018, 1 specimen (coll. Berggren); Pag, Rtina Miletići 14.06.2019, 1 specimen (coll. NHMO); Erslani 15.06.2019, 1 specimen (coll. Berggren); Vir 18.06.2019, 1 specimen (coll. Berggren)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Platytes cerussella (Denis & Schiffermüller, 1775)

Zadar area: Bruvno 31.05.2018, 2 specimens (coll. Berggren); Bruvno 03.06.2018, 1 specimen (coll. NHMO); Prezid 31.05.2018, 1 specimen (coll. NHMO), 2 specimens (coll. Berggren); Otrić, Velika Popina 1 28.05.2018, 1 specimen (coll. NHMO); Otrić, Velika Popina 2 28.05.2018, 2 specimens (coll. Berggren); Bruvno 16.06.2019, 1 specimen (coll. Berggren); Marinovići 17.06.2019, 1 specimen (coll. NHMO)

Lika region: Ričice 26.05.-06.06.2018, 2 specimens (coll. NHMO), 1 specimen (coll. Berggren)

Thisanotia chrysonuchella (Scopoli, 1763)

Zadar area: Mazin 27.05.2018, 1 specimen (coll. NHMO), 1 specimen (coll. Berggren); Mazin 01.06.2018, 2 specimens (coll. NHMO)

Lika region: Ričice 26.05.-06.06.2018, 2 specimens (coll. NHMO), 2 specimens (coll. Berggren)

Xanthocrambus saxonellus (Zincken, 1821)

Zadar area: Pag, Rtina Miletići 29.05.2018, 1 specimen (coll. NHMO), 2 specimens (coll. Berggren); Pag, Rtina Miletići 04.06.2018, 3 specimens (coll. NHMO), 2 specimens (coll. Berggren); Matići 13.06.2019, 1 specimen (coll. Berggren)

Brač Island: Nerežišća 31.08.2016, 1 specimen (coll. Gumhalter)

Hyperlais lutosalis (Mann, 1862)

Šibenik area: Zečevo 30.07.2008, 1 specimen (coll. Kosorín); Zečevo 30.07.2012, 1 specimen (coll. Kosorín); Zečevo 01.08.2012, 1 specimen (coll. Kosorín); Zečevo 04.08.2012, 1 specimen (coll. Kosorín)

Hyperlais nemausalis (Duponchel, 1834)

Zadar area: Pag, Rtina Miletići 29.05.2018, 1 specimen (coll. NHMO), 1 barcoded specimen (coll. Berggren); Meka Draga 02.06.2018, 1 specimen (coll. NHMO); Pag, Rtina Miletići 14.06.2019, 1 specimen (coll. Berggren), 1 specimen (coll. NHMO)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Evergestis infirmalis (Staudinger, 1870)

Šibenik area: Zelovo 09.08.2008, 2 specimens (coll. Graf)

Evergestis sophilalis (Fabricius, 1787)

Zadar area: Erslani 15.06.2019, 1 specimen (coll. NHMO), 3 specimens (coll. Berggren); Marinovići 17.06.2019, 1 specimen (coll. Berggren); Matići 13.06.2019, 1 specimen (coll. Berggren), Erslani 9.-19.06.2019, 1 specimen (coll. NHMO)

Hellula undalis (Fabricius, 1781)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Šibenik area: Zečevo 05.09.2009, 10 specimens (coll. Kosorín); Zečevo 04.08.2012, 5 specimens (coll. Kosorín); Rogoznica 04.08.2010, 4 specimens (coll. Kosorín)

Hydriris ornatalis (Duponchel, 1832)

Brač Island: Sutivan 2 03.09.2016, 1 specimen (coll. Gumhalter)

Šibenik area: Rogoznica 07.07.2022, 1 specimen (coll. Kosorín)

Eurrhysis gutturalis (Herrich-Schäffer, 1848)

Zadar area: Matići 13.06.2019, 1 barcoded specimen (coll. Berggren); Bruvno 03.06.2018, 2 specimens (coll. Berggren); Meka Draga 02.06.2018, 1 specimen (coll. NHMO), 3 specimens (coll. Berggren)

Eurrhysis pollinalis (Denis & Schiffermüller, 1775)

Lika region: Ričice 26.05.-06.06.2018, 3 specimens (coll. NHMO), 2 specimens (coll. Berggren); Bruvno 03.06.2018, 1 specimen (coll. Berggren); Mazin 27.05.2018, 1 specimen (coll. NHMO); Otrić, Velika Popina 2 28.05.2018, 1 specimen (coll. NHMO), 2 specimens (coll. Berggren); Otrić, Velika Popina 3 12.06.2019, 1 specimen (coll. Berggren)

Aporodes floralis (Hübner, 1796)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Šibenik area: Rogoznica 07.07.2022, 4 specimens (coll. Kosorín)

Atralata albofascialis (Treitschke, 1829)

Lika region: Ričice 26.05.-06.06.2018, 1 specimen (coll. NHMO)

Cynaeda dentalis (Denis & Schiffermüller, 1775)

Zadar area: Pag, Rtina Miletići 04.06.2018, 2 specimens (coll. Berggren)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Tegostoma comparalis (Hübner, 1796)

Šibenik area: Zečevo 04.08.2012, 10 specimens (coll. Kosorín)

Achyra nudalis (Hübner, 1796)

Zadar area: Erslani N 11.06.2019, 1 specimen (coll. Berggren); Erslani 15.06.2019, 1 specimen (coll. Berggren)

Brač Island: Sutivan 22.08.2020, 1 specimen (coll. Gumhalter); Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Šibenik area: Zečevo 31.07.2008, 7 specimens (coll. Kosorín); Zečevo 05.09.2009, 2 specimens (coll. Kosorín); Zečevo 04.08.2012, 5 specimens (coll. Kosorín)

Anania crocealis (Hübner, 1796)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Anania lancealis (Denis & Schiffermüller, 1775)

Lika region: Ričice 26.05.-06.06.2018, 1 specimen (coll. Berggren)

Anania terrealis (Treitschke, 1829)

Zadar area: Prezid 10.06.2019, 1 specimen (coll. Berggren)

Anania verbascalis (Denis & Schiffermüller, 1775)

Zadar area: Erslani 15.06.2019, 1 specimen (coll. Berggren); Donji Karin 09.06.2019, 1 specimen (coll. NHMO)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Ecpyrrhorrhoe diffusalis (Guenée, 1854)

Zadar area: Erslani 15.06.2019, 1 specimen (coll. Berggren); Prezid 10.06.2019, 1 specimen (coll. NHMO)

Brač Island: Sutivan 01.07.2022, 1 specimen (coll. Gumhalter)

Ecpyrrhorrhoe rubiginalis (Hübner, 1796)

Zadar area: Erslani 15.06.2019, 2 specimens (coll. Berggren)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Loxostege sticticalis (Linnaeus, 1761)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Loxostege virescalis (Guenée, 1854)

Lika region: Ričice 26.05.-06.06.2018, 1 specimen (coll. Berggren)

Ostrinia nubilalis (Hübner, 1796)

Zadar area: Erslani 15.06.2019, 1 specimen (coll. Berggren)

Brač Island: Vidova Gora 27.08.2016, 1 specimen (coll. Gumhalter)

Ostrinia quadripunctalis (Denis & Schiffermüller, 1775)

Lika region: Ričice 26.05.-06.06.2018, 1 specimen (coll. NHMO)

Paratalanta pandalis (Hübner, 1825)

Lika region: Ričice 26.05.-06.06.2018, 1 specimen (coll. NHMO), 3 specimens (coll. Berggren)

Pyrausta aurata (Scopoli, 1763)

Zadar area: Erslani 15.06.2019, 2 specimens (coll. NHMO), 2 specimens (coll. Berggren)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Pyrausta castalis (Treitschke, 1829)

Brač Island: Sutivan 26.08.2016, 4 specimens (coll. Gumhalter); Nerežišća 31.08.2016, 3 specimens (coll. Gumhalter); Vidova Gora 02.09.2016, 2 specimens (coll. Gumhalter); Vidova Gora 25.08.2019, 4 specimens (coll. Gumhalter)

Šibenik area: Zečevo 05.09.2009, 1 specimen (coll. Kosorin)

Pyrausta cingulata (Linnaeus, 1758)

Zadar area: Zaton Obrovački 30.05.2018, 1 specimen (coll. NHMO); Pag, Rtina Miletići 29.05.2018, 2 specimens (coll. NHMO), 2 specimens (coll. Berggren); Meka Draga 02.06.2018, 1 specimen (coll. NHMO), 1 specimen (coll. Berggren); Kruševo E 09.06.2019, 1 specimen (coll. NHMO), 1 specimen (coll. Berggren); Maticići 13.06.2019, 1 specimen (coll. NHMO)

Brač Island: Vidova Gora 27.08.2016, 1 specimen (coll. Gumhalter)

Pyrausta despicata (Scopoli, 1763)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Pyrausta nigrata (Scopoli, 1763)

Zadar area: Otrić, Velika Popina 3 12.06.2019, 1 specimen (coll. NHMO), 1 specimen (coll. Berggren)

Pyrausta obfuscata (Scopoli, 1763)

Zadar area: Otrić, Velika Popina 3 12.06.2019, 2 specimens (coll. Berggren)

Pyrausta purpuralis (Linnaeus, 1758)

Brač Island: Sutivan 27.08.2016, 3 specimens (coll. Gumhalter)

Pyrausta rectefascialis Toll, 1936

Zadar area: Erslani 15.06.2019, 1 specimen (coll. Berggren); Zaton Obrovački 16.06.2019, 1 specimen (coll. Berggren); Pag, Rtina Miletići 29.05.2018, 1 specimen (coll. Berggren)

Pyrausta sanguinalis (Linnaeus, 1767)

Zadar area: Marinovići 17.06.2019, 1 specimen (coll. Berggren); Erslani 15.06.2019, 1 specimen (coll. NHMO), 1 specimen (coll. Berggren); Maticići 13.06.2019, 1 specimen (coll. Berggren)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Pyrausta virginalis Duponchel, 1832

Zadar area: Pag, Rtina Miletići 04.06.2018, 1 specimen (coll. Berggren)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Sitochroa palealis (Denis & Schiffermüller, 1775)

Zadar area: Erslani 15.06.2019, 1 specimen (coll. Berggren)

Sitochroa verticalis (Linnaeus, 1758)

Zadar area: Erslani 15.06.2019, 1 specimen (coll. NHMO), 1 specimen (coll. Berggren)

Brač Island: Vidova Gora 27.08.2016, 1 specimen (coll. Gumhalter)

Uresiphita gilvata (Fabricius, 1794)

Brač Island: Vidova Gora 27.08.2016, 1 specimen (coll. Gumhalter)

Scirpophaga praelata (Scopoli, 1763)

Zadar area: Pag, Rtina Miletići 04.06.2018, 1 specimen (coll. Berggren)

Anarpia incertalis (Duponchel, 1833)

Zadar area: Pag, Rtina Miletići 14.06.2019, 1 barcoded specimen (coll. Berggren); Erslani 15.06.2019, 1 specimen (coll. Berggren)

Cholius luteolaris (Scopoli, 1772)

Zadar area: Otrić, Velika Popina 1 28.05.2018, 2 specimens (coll. NHMO), 4 specimens (coll. Berggren); Otrić, Velika Popina 2 28.05.2018, 1 specimen (coll. NHMO); Prezid 05.06.2018, 1 specimen (coll. NHMO)

Eudonia delunella (Stainton, 1849)

Zadar area: Meka Draga 02.06.2018, 1 specimen (coll. NHMO); Erslani 08.-20.06.2019, 11 specimens (coll. NHMO), 6 specimens (coll. Berggren); Kruševo E 09.06.2019, 2 specimens (coll. Berggren); Matići 13.06.2019, 1 specimen (coll. NHMO)

Eudonia mercurella (Linnaeus, 1758)

Zadar area: Erslani 08.-20.06.2019, 1 specimen (coll. Berggren); Kruševo E 09.06.2019, 2 specimens (coll. NHMO)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Heliothela wulfeniana (Scopoli, 1763)

Zadar area: Pag, Rtina Miletići 04.06.2018, 1 specimen (coll. NHMO)

Scoparia ingrattella (Zeller, 1846)

Lika region: Ričice 26.05.-06.06.2018, 1 specimen (coll. Berggren)

Scoparia italica Turati, 1919

Zadar area: Prezid 31.05.2018, 2 specimens (coll. Berggren)

Mazin 01.06.2018, 1 specimen (coll. NHMO); Prezid 10.06.2019, 1 barcoded specimen (coll. Berggren)

Lika region: Ričice 26.05.-06.06.2018, 1 specimen (coll. NHMO)

Scoparia perplexella (Zeller, 1839)

Zadar area: Erslani 15.06.2019, 1 specimen (coll. NHMO), 2 specimens (coll. Berggren); Marinovići 17.06.2019, 1 specimen (coll. NHMO)

Scoparia pyralella (Denis & Schiffermüller, 1775)

Lika region: Ričice 26.05.-06.06.2018, 1 specimen (coll. Berggren)

Zadar area: Otrić, Velika Popina 2 28.05.2018, 1 specimen (coll. NHMO), 7 specimens (coll. Berggren); Bruvno 31.05.2018, 1 specimen (coll. NHMO), 1 specimen (coll. Berggren); Otrić, Velika Popina 3 12.06.2019, 1 specimen (coll. Berggren); Erslani 08.-20.06.2019, 1 specimen (coll. NHMO)

Brač Island: Vidova Gora 02.09.2016, 1 specimen (coll. Gumhalter)

Scoparia subfusca Haworth, 1811

Zadar area: Otrić, Velika Popina 3 12.06.2019, 1 barcoded specimen (coll. Berggren)

Agrotera nemoralis (Scopoli, 1763)

Lika region: Ričice 26.05.-06.06.2018, 1 specimen (coll. Berggren)

Antigastra catalaunalis (Duponchel, 1833)

Brač Island: Sutivan 01.09.2018, 1 specimen (coll. Gumhalter)

Cydalima perspectalis (Walker, 1859)

Brač Island: Sutivan 26.08.2016, 3 specimens (coll. Gumhalter); Supetar 20.08.2018, 1 specimen (coll. Gumhalter); Sutivan 27.08.2020, 1 specimen (coll. Gumhalter)

Diasemiopsis ramburialis (Duponchel, 1834)

Brač Island: Nerežišća 31.08.2016, 1 specimen (coll. Gumhalter)

Dolicharthria bruguieralis (Duponchel, 1833)

Zadar area: Pag, Rtina Miletići 29.05.2018, 1 specimen (coll. Berggren); Meka Draga 02.06.2018, 2 specimens (coll. Berggren); Erslani 15.06.2019, 4 specimens (coll. Berggren); Kruševo E 09.06.2019, 1 specimen (coll. NHMO)

Brač Island: Vidova Gora 01.08.2021, 1 specimen (coll. Gumhalter)

Dolicharthria punctalis (Denis & Schiffermüller, 1775)

Brač Island: Nerežišća 31.08.2016, 1 specimen (coll. Gumhalter); Vidova Gora 27.08.2017, 1 specimen (coll. Gumhalter)

Mecyna asinalis (Hübner, 1819)

Šibenik area: Zečevo 05.09.2009, 1 specimen (coll. Kosorín)

Metasia corsicalis (Duponchel, 1833)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Metasia ophialis (Treitschke, 1829)

Brač Island: Vidova Gora 27.08.2016, 1 specimen (coll. Gumhalter); Vidova Gora 01.08.2021, 1 specimen (coll. Gumhalter)

Metasia rosealis (Ragonot, 1895)

Šibenik area: Rogoznica 07.07.2022, 8 specimens (coll. Kosorín); Rogoznica 04.08.2019, 10 specimens (coll. Kosorín); Zečevo 04.08.2012, 4 specimens (coll. Kosorín)

Metasia suppandalis (Hübner, 1823)

Brač Island: Sutivan 2 21.08.2017, 1 specimen (coll. Gumhalter)

Šibenik area: Zečevo 04.08.2012, 4 specimens (coll. Kosorín)

Nomophila noctuella (Denis & Schiffermüller, 1775)

Brač Island: Sutivan 26.08.2016, 3 specimens (coll. Gumhalter); Vidova Gora 27.08.2016, 5 specimens (coll. Gumhalter); Nerežišća 31.08.2016, 4 specimens (coll. Gumhalter); Vidova Gora 20.08.2018, 3 specimens (coll. Gumhalter); Supetar 20.08.2018, 4 specimens (coll. Gumhalter)

Palpita vitrealis (Rossi, 1794)

Brač Island: Sutivan 26.08.2016, 1 specimen (coll. Gumhalter); Sutivan 27.08.2016, 1 specimen (coll. Gumhalter); Nerežišća 31.08.2016, 2 specimens (coll. Gumhalter); Sutivan 01.09.2018, 2 specimens (coll. Gumhalter); Sutivan 27.08.2020, 4 specimens (coll. Gumhalter); Supetar 20.08.2018, 1 specimen (coll. Gumhalter)

Patania balteata (Fabricius, 1798)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Udea ferrugalis (Hübner, 1796)

Zadar area: Bruvno 31.05.2018, 1 specimen (coll. Berggren); Otrić, Velika Popina 3 12.06.2019, 1 specimen (coll. Berggren)

Lika region: Ričice 26.05.-06.06.2018, 1 specimen (coll. NHMO)

Brač Island: Vidova Gora 27.08.2016, 6 specimens (coll. Gumhalter); Sutivan 20.08.2018, 5 specimens (coll. Gumhalter); Vidova Gora 01.08.2021, 3 specimens (coll. Gumhalter); Supetar 20.08.2018, 2 specimens (coll. Gumhalter)

Udea fulvalis (Hübner, 1809)

Zadar area: Erslani 15.06.2019, 3 specimens (coll. Berggren)

Brač Island: Nerežišća 31.08.2016, 1 specimen (coll. Gumhalter)

Udea numeralis (Hübner, 1796)

Zadar area: Vir 18.06.2019, 1 barcoded specimen (coll. Berggren)

Pyralidae*Aphomia foedella* (Zeller, 1839)

Zadar area: Erslani 08.-20.06.2019, 1 specimen (coll. Berggren)

Lamoria anella (Denis & Schiffermüller, 1775)

Zadar area: Erslani 08.-20.06.2019, 1 specimen (coll. NHMO)

Brač Island: Sutivan 20.08.2018, 5 specimens (coll. Gumhalter); Sutivan 02.09.2020, 4 specimens (coll. Gumhalter); Supetar 20.08.2018, 1 specimen (coll. Gumhalter)

Šibenik area: Zečevo 05.09.2009, 1 specimen (coll. Kosorín)

Ematheudes punctella (Treitschke, 1833)

Zadar area: Meka Draga 02.06.2018, 1 specimen (coll. Berggren); Pag, Rtina Miletići 29.05.2018, 5 specimens (coll. Berggren); Erslani 08.-20.06.2019, 1 specimen (coll. NHMO), 1 specimen (coll. Berggren); Erslani N 11.06.2019, 1 specimen (coll. Berggren); Marinovići 17.06.2019, 1 specimen (coll. Berggren)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Epidauria transversariella (Zeller, 1848)

Brač Island: Vidova Gora 27.08.2016, 2 specimens (coll. Gumhalter); Vidova Gora 30.08.2017, 1 specimen (coll. Gumhalter); Vidova Gora 01.08.2021, 6 specimens (coll. Gumhalter)

Valdovecaria umbratella (Treitschke, 1832)

Šibenik area: Zečevo 04.08.2012, 2 specimens (coll. Kosorín)

Acrobasis bithynella Zeller, 1848

Brač Island: Sutivan 2 19.09.2019, 1 specimen (coll. Gumhalter)

Šibenik area: Zečevo 04.08.2012, 1 specimen (coll. Kosorín)

Acrobasis centunculella (Mann, 1859)

Zadar area: Bruvno 31.05.2018, 2 specimens (coll. NHMO), 2 barcoded specimens (coll. Berggren); Bruvno 3.06.2018, 1 specimen (coll. NHMO)

Meka Draga 02.06.2018, 4 specimens (coll. NHMO), 2 specimens (coll. Berggren); Kruševo E 09.06.2019, 1 specimen (coll. Berggren); Erslani 08.-20.06.2019, 1 specimen (coll. NHMO), 3 specimens (coll. Berggren)

Acrobasis consociella (Hübner, 1813)

Zadar area: Marinovići 17.06.2019, 1 specimen (coll. NHMO); Prezid 10.06.2019, 1 barcoded specimen (coll. Berggren); Erslani 08.-20.06.2019, 3 barcoded specimens (coll. Berggren)

Acrobasis fallouella (Ragonot, 1871)

Šibenik area: Zečevo 05.09.2009, 6 specimens (coll. Kosorín); Zečevo 08.08.2013, 1 specimen (coll. Kosorín)

Acrobasis legatea (Haworth, 1811)

Zadar area: Meka Draga 02.06.2018, 2 specimens (coll. NHMO), 1 specimen (coll. Berggren); Erslani 08.-20.06.2019, 2 specimens (coll. NHMO), 1 barcoded specimen (coll. Berggren); Matići 13.06.2019, 1 specimen (coll. NHMO), 1 specimen (coll. Berggren)

Brač Island: Nerežišća, 31.08.2016, 1 specimen (coll. Gumhalter)

Acrobasis marmorea (Haworth, 1811)

Lika region: Ričice 26.05.-06.06.2018, 1 specimen (coll. Berggren)

Acrobasis obliqua (Zeller, 1847)

Brač Island: Sutivan 2 10.04.2019, 2 specimens (coll. Gumhalter)

Acrobasis suavella (Zincken, 1818)

Zadar area: Erslani 08.-20.06.2019, 2 specimens (coll. NHMO), 1 barcoded specimen (coll. Berggren)

Acrobasis tumidana ([Denis & Schiffermüller], 1775)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Alophia combustella (Herrich-Schäffer, 1852)

Zadar area: Pag, Rtina Miletići 14.06.2019, 1 specimen (coll. NHMO)

Šibenik area: Rogoznica 04.08.2012, 1 specimen (coll. Kosorín)

Ancylosis cinnamomella (Duponchel, 1836)

Zadar area: Erslani N 11.06.2019, 2 specimens (coll. Berggren); Erslani 08.-20.06.2019, 2 specimens (coll. NHMO), 1 specimen (coll. Berggren); Kruševo E 09.06.2019, 4 specimens (coll. NHMO), 3 specimens (coll. Berggren)

Brač Island: Sutivan 2 04.07.2022, 2 specimens (coll. Gumhalter)

Apomyelois bistratella (Hulst, 1887)

Zadar area: Otrić, Velika Popina 3 12.06.2019, 1 specimen (coll. NHMO)

Apomyelois ceratoniae (Zeller, 1839)

Zadar area: Erslani 08.-20.06.2019, 1 specimen (coll. NHMO), 1 barcoded specimen (coll. Berggren)

Assara conicolella (Constant, 1884)

Zadar area: Pag, Rtina Miletići 04.06.2018, 1 barcoded specimen (coll. Berggren)

Cadra furcatella (Herrich-Schäffer, 1849)

Zadar area: Prezid 31.05.2018, 2 barcoded specimens (coll. Berggren); Erslani 08.-20.06.2019, 2 barcoded specimens (coll. Berggren)

Delplanqueia dilutella (Denis & Schiffermüller, 1775)

Zadar area: Kruševo E 09.06.2019, 1 barcoded specimen (coll. Berggren); Erslani 08.-20.06.2019, 3 barcoded specimens (coll. Berggren); Matići 13.06.2019, 1 barcoded specimen (coll. Berggren)

Delplanqueia inscriptella (Duponchel, 1836)

Zadar area: Bruvno 31.05.2018, 7 barcoded specimens (coll. Berggren); Bruvno 03.06.2018, 3 specimens (coll. NHMO), 2 specimens (coll. Berggren); Bruvno 16.06.2019, 1 specimen (coll. NHMO); Marinovići 17.06.2019, 2 barcoded specimens (coll. Berggren); Prezid 31.05.2018, 1 specimen (coll. NHMO), 1 barcoded specimen (coll. Berggren)

Lika region: Ričice 26.05.-06.06.2018, 1 specimen (coll. Berggren)

Denticera divisella (Duponchel, 1842)

Brač Island: Vidova Gora 02.09.2016, 2 specimens (coll. Gumhalter); Sutivan 2 21.08.2017, 1 specimen (coll. Gumhalter)

Dioryctria abietella (Denis & Schiffermüller, 1775)

Brač Island: Vidova Gora 27.08.2017, 2 specimens (coll. Gumhalter); Nerežišća 31.08.2017, 1 specimen (coll. Gumhalter); Vidova Gora 25.08.2019, 1 specimen (coll. Gumhalter)

Eccopisa effractella Zeller, 1848

Lika region: Ričice 26.05.-06.06.2018, 1 barcoded specimen (coll. Berggren)

Elegia fallax (Staudinger, 1881)

Vidova Gora 01.08.2021, 4 specimens (coll. Gumhalter)

Ephestia unicolorella subsp. *woodiella* (Richards & Thomson, 1932)

Zadar area: Meka Draga 02.06.2018, 2 specimens (coll. Berggren); Prezid 31.05.2018, 1 specimen (coll. Berggren); Prezid 10.06.2019, 1 specimen (coll. Berggren); Pag, Rtina Miletići 14.06.2019; 1 specimen (coll. Berggren); Erslani 08.-20.06.2019, 5 specimens (coll. Berggren); Kruševo E 09.06.2019, 1 specimen (coll. Berggren); Marinovići 17.06.2019, 1 specimen (coll. Berggren)

Brač Island: Nerežišća 31.08.2016, 1 specimen (coll. Gumhalter)

Šibenik area: Zečevo 05.09.2009, 10 specimens (coll. Kosorín); 28.08.2010, 4 specimens (coll. Kosorín); Zečevo 04.08.2012, 5 specimens (coll. Kosorín)

Ephestia welseriella (Zeller, 1848)

Zadar area: Meka Draga 02.06.2018, 1 specimen (coll. Berggren); Pag, Rtina Miletići 4.06.2018, 4 specimens (coll. NHMO); Zaton Obrovački 16.06.2019, 1 specimen (coll. NHMO); Marinovići 17.06.2019, 1 specimen (coll. Berggren); Pag, Rtina Miletići 14.06.2019, 1 specimen (coll. NHMO), 1 specimen (coll. Berggren)

Šibenik area: Zečevo 04.08.2012, 1 specimen (coll. Kosorín)

Epischmia asteris Staudinger, 1870

Zadar area: Gornji Karin 09.06.2019, 1 barcoded specimen (coll. Berggren)

Šibenik area: Rogoznica 07.07.2022, 1 specimen (coll. Kosorín)

Epischmia cretaciella Mann, 1869

Zadar area: Kruševo E 09.06.2019, 1 specimen (coll. NHMO)

Epischmia illotella Zeller, 1839

Zadar area: Gornje Karin 09.06.2019, 1 specimen (coll. Berggren)

Šibenik area: Zečevo 04.08.2012, 2 specimens (coll. Kosorín)

Epischmia prodromella (Hübner, 1799)

Zadar area: Pag, Rtina Miletići 14.06.2019, 1 specimen (coll. Berggren)

Episcythrastis tabidella (Mann, 1864)

Zadar area: Pag, Rtina Miletići 29.05.2018, 3 specimens (coll. NHMO), 8 specimens (coll. Berggren); Pag, Rtina Miletići 04.06.2018, 4 specimens (coll. NHMO), 6 specimens (coll. Berggren); Pag, Rtina Miletići 14.06.2019, 1 specimen (coll. Berggren); Erslani 08.-20.06.2019, 1 specimen (coll. Berggren)

Episcythrastis tetricella (Denis & Schiffermüller, 1775)

Zadar area: Otrič, Velika Popina 2 28.05.2018, 1 specimen (coll. NHMO), 1 specimen (coll. Berggren); Prezid 10.06.2019, 1 specimen (coll. NHMO)

Lika region: Ričice 26.05.-06.06.2018, 1 specimen (coll. NHMO), 2 specimens (coll. Berggren)

Etiella zinckenella (Treitschke, 1832)

Zadar area: Meka Draga 02.06.2018, 1 specimen (coll. NHMO); Pag, Rtina Miletići 14.06.2019, 1 specimen (coll. Berggren); Erslani 08.-20.06.2019, 1 specimen (coll. Berggren)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Euzophera bigella (Zeller, 1848)

Zadar area: Vir 18.06.2019, 1 specimen (coll. Berggren); Marinovići 17.06.2019, 1 specimen (coll. Berggren)

Euzophera pinguis (Haworth, 1811)

Zadar area: Vir 18.06.2019, 1 specimen (coll. Berggren)

Homoeosoma sinuella (Fabricius, 1794)

Zadar area: Pag, Rtina Miletići 04.06.2018, 1 specimen (coll. Berggren); Erslani 08.-20.06.2019, 2 specimens (coll. Berggren); Donji Karin 09.06.2019, 1 specimen (coll. Berggren); Marinovići 17.06.2019, 1 specimen (coll. NHMO)

Brač Island: Nerežišća 20.08.2017, 1 specimen (coll. Gumhalter)

Isauria dilucidella (Duponchel, 1836)

Šibenik area: Zečevo 04.08.2012, 1 specimen (coll. Kosorín)

Melathrix coenulentella (Zeller, 1846)

Šibenik area: Rogoznica 07.07.2022, 2 specimens (coll. Kosorín)

Metallostichodes nigrocyanella (Constant, 1865)

Zadar area: Vir 18.06.2019, 5 specimens (coll. NHMO), 4 specimens (coll. Berggren)

Myelois circumvoluta (Fourcroy, 1785)

Zadar area: Erslani N 11.06.2019, 1 specimen (coll. NHMO)

Brač Island: Vidova Gora 01.08.2021, 1 specimen (coll. Gumhalter)

Nephoterix angustella (Hübner, 1796)

Zadar area: Erslani 08.-20.06.2019, 1 specimen (coll. Berggren)

Nyctegretis lineana (Scopoli, 1786)

Zadar area: Erslani 08.-20.06.2019, 1 specimen (coll. NHMO)

Oncocera semirubella (Scopoli, 1763)

Zadar area: Pag, Rtina Miletići 04.06.2018, 1 specimen (coll. NHMO)

Brač Island: Sutivan 26.08.2016, 5 specimens (coll. Gumhalter); Sutivan 20.08.2018, 6 specimens (coll. Gumhalter); Supetar 20.08.2018, 5 specimens (coll. Gumhalter)

Oxybia transversella (Duponchel, 1836)

Brač Island: Sutivan 27.08.2016, 2 specimens (coll. Gumhalter); Nerežišća 31.08.2016, 2 specimens (coll. Gumhalter); Sutivan 27.08.2017, 4 specimens (coll. Gumhalter)

Šibenik area: Zečevo 04.08.2012, 2 specimens (coll. Kosorín); Rogoznica 07.07.2022, 4 specimens (coll. Kosorín)

Pempelia palumbella (Denis & Schiffermüller, 1775)

Zadar area: Pag, Rtina Miletići 04.06.2018, 1 specimen (coll. NHMO); Meka Draga 02.06.2018, 1 specimen (coll. NHMO), 1 specimen (coll. Berggren); Mazin 01.06.2018, 1 specimen (coll. Berggren); Prezid 10.06.2019, 1 specimen (coll. NHMO), 1 specimen (coll. Berggren); Maticići 13.06.2019, 1 specimen (coll. Berggren); Kruševo E 09.06.2019, 1 specimen (coll. Berggren); Erslani 08.-20.06.2019, 1 specimen (coll. Berggren)

Brač Island: Sutivan 26.08.2016, 3 specimens (coll. Gumhalter); Vidova Gora 27.08.2016, 1 specimen (coll. Gumhalter); Nerežišća 31.08.2016, 2 specimens (coll. Gumhalter); Sutivan 20.08.2018, 2 specimens (coll. Gumhalter); Vidova Gora 01.08.2021, 1 specimen (coll. Gumhalter); Supetar 20.08.2018, 2 specimens (coll. Gumhalter)

Pempeliella ornatella (Denis & Schiffermüller, 1775)

Zadar area: Prezid 10.06.2019, 1 specimen (coll. NHMO)

Pempeliella sororiella (Zeller, 1839)

Zadar area: Erslani 08.-20.06.2019, 1 specimen (coll. NHMO), 1 specimen (coll. Berggren); Marinovići 17.06.2019, 1 specimen (coll. Berggren)

Phycita acericola Kutznetsov, 1960

Zadar area: Erslani 08.-20.06.2019, 1 specimen (coll. NHMO)

Phycita asselbergi Slamka, 2019

Zadar area: Marinovići 17.06.2019, 2 barcoded specimens (coll. Berggren)

Phycita roborella (Denis & Schiffermüller, 1775)

Zadar area: Vir 18.06.2019, 1 barcoded specimen (coll. Berggren); Erslani 08.-20.06.2019, 1 specimen (coll. Berggren)

Phycitodes albatella (Ragonot, 1887)

Zadar area: Prezid 10.06.2019, 1 specimen (coll. Berggren)

Phycitodes binaevella (Hübner, 1813)

Lika region: Ričice 26.05.-06.06.2018, 2 specimens (coll. Berggren)

Phycitodes inquinatella (Ragonot, 1887)

Zadar area: Pag, Rtina Miletići 29.05.2018, 1 specimen (coll. Berggren); Prezid 31.05.2018, 1 barcoded specimen (coll. Berggren); Erslani 08.-20.06.2019, 2 specimens (coll. Berggren)

Phycitodes saxicola (Vaughan, 1870)

Zadar area: Pag, Rtina Miletići 29.05.2018, 1 specimen (coll. Berggren)

Pterothrixidia rufella (Duponchel, 1836)

Šibenik area: Rogoznica 04.07.2019, 2 specimens (coll. Kosorín)

Rhodophaea formosa (Haworth, 1811)

Zadar area: Erslani 08.-20.06.2019, 1 specimen (coll. NHMO)

Trachonitis cristella (Denis & Schiffermüller, 1775)

Zadar area: Otrić, Velika Popina 2 28.05.2018, 1 specimen (coll. NHMO), 3 barcoded specimens (coll. Berggren); Erslani 08.-20.06.2019, 1 specimen (coll. NHMO), 3 specimens (coll. Berggren)

Lika region: Ričice 26.05.-06.06.2018, 1 specimen (coll. NHMO)

Endotricha flammealis (Denis & Schiffermüller, 1775)

Zadar area: Zaton Obrovački 30.05.2018, 1 specimen (coll. NHMO), 1 specimen (coll. Berggren); Meka Draga 02.06.2018, 2 specimens (coll. Berggren); Matići 13.06.2019, 1 specimen (coll. Berggren); Marinovići 17.06.2019, 1 specimen (coll. Berggren)

Brač Island: Sutivan 26.08.2016, 5 specimens (coll. Gumhalter); Vidova Gora 27.08.2016, 4 specimens (coll. Gumhalter); Sutivan 20.08.2018, 5 specimens (coll. Gumhalter); Supetar 20.08.2018, 1 specimen (coll. Gumhalter); Vidova Gora 25.08.2019, 1 specimen (coll. Gumhalter)

Hypotia corticalis (Denis & Schiffermüller, 1775)

Brač Island: Nerežišća 20.08.2017, 1 specimen (coll. Gumhalter)

Šibenik area: Zečevo 04.08.2012, 1 specimen (coll. Kosorín)

Aglossa pinguinalis (Linnaeus, 1758)

Zadar area: Erslani 08.-20.06.2019, 1 specimen (coll. NHMO)

Aglossa signicostalis Staudinger, 1870

Zadar area: Erslani 08.-20.06.2019, 2 specimens (coll. NHMO), 1 specimen (coll. Berggren)

Bostra obsoletalis (Mann, 1864)

Zadar area: Pag, Rtina Miletići 04.06.2018, 1 specimen (coll. Berggren)

Šibenik area: Zečevo 04.08.2012, 1 specimen (coll. Kosorín); Rogoznica 07.07.2022, 2 specimens (coll. Kosorín)

Hypsopygia costalis (Fabricius, 1775)

Zadar area: Erslani 08.-20.06.2019, 1 specimen (coll. Berggren)

Lika region: Ričice 26.05.-06.06.2018, 1 specimen (coll. Berggren)

Brač Island: Vidova Gora 29.08.2020, 2 specimens (coll. Gumhalter); Nerežišća 20.08.2017, 1 specimen (coll. Gumhalter)

Hypsopygia glaucinalis (Linnaeus, 1758)

Zadar area: Erslani 08.-20.06.2019, 1 specimen (coll. Berggren)

Hypsopygia rubidalis (Denis & Schiffermüller, 1775)

Zadar area: Meka Draga 02.06.2018, 1 specimen (coll. NHMO), 1 specimen (coll. Berggren); Pag, Rtina Miletići 04.06.2018, 1 specimen (coll. Berggren); Erslani 08.-20.06.2019, 1 specimen (coll. NHMO), 2 specimens (coll. Berggren)

Hypsotropa limbella Zeller, 1848

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Loryma egregialis (Herrich-Schäffer, 1838)

Zadar area: Pag, Rtina Miletići 29.05.2018, 1 specimen (coll. Berggren); Erslani 08.-20.06.2019, 1 specimen (coll. NHMO); Vir 18.06.2019, 1 specimen (coll. NHMO), 1 specimen (coll. Berggren)

Pyralis farinalis (Linnaeus, 1758)

Zadar area: Erslani 08.-20.06.2019, 1 specimen (coll. Berggren)

Brač Island: Sutivan 20.08.2018, specimen (coll. Gumhalter)

Pyralis regalis (Denis & Schiffermüller, 1775)

Zadar area: Meka Draga 02.06.2018, 4 specimens (coll. NHMO), 3 specimens (coll. Berggren); Erslani 08.-20.06.2019, 2 specimens (coll. Berggren); Vir 18.06.2019, 1 specimen (coll. NHMO)

Brač Island: Vidova Gora 26.08.2017, 1 specimen (coll. Gumhalter); Vidova Gora 25.08.2019, 1 specimen (coll. Gumhalter); Vidova Gora 01.08.2021, 2 specimens (coll. Gumhalter)

Stemmatophora brunnealis (Treitschke, 1829)

Brač Island: Sutivan 20.08.2020, 1 specimen (coll. Gumhalter)

Stemmatophora combustalis (Fischer von Röslerstamm, 1842)

Zadar area: Pag, Rtina Miletići 04.06.2018, 4 specimens (coll. NHMO), 2 specimens (coll. Berggren); Pag, Rtina Miletići 14.06.2019, 1 specimen (coll. Berggren)

Brač Island: Sutivan 2 04.07.2022, 1 specimen (coll. Gumhalter)

Stemmatophora honestalis (Treitschke, 1829)

Brač Island: Nerežišća 20.08.2017, 1 specimen (coll. Gumhalter)

Synaphe antennalis (Fabricius, 1794)

Lika region: Ričice 26.05.-06.06.2018, 1 specimen (coll. Berggren)

Synaphe moldavica (Esper, 1794)

Zadar area: Prezid 31.05.2018, 1 specimen (coll. Berggren); Erslani N 11.06.2019, 4 specimens (coll. NHMO), 7 specimens (coll. Berggren); Marinovići 17.06.2019, 1 specimen (coll. NHMO)

Synaphe punctalis (Fabricius, 1775)

Brač Island: Sutivan 25.08.2020, 1 specimen (coll. Gumhalter)

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