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The Lepidoptera of Baixo Mondego (Beira Litoral, Portugal) (Insecta: Lepidoptera)

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Abstract

This work includes Lepidoptera records obtained from field work carried out in the area known as “Baixo Mondego” or the Lower Mondego Valley (Beira Litoral) over the years 1998 to 2005. The three main sampling areas were chosen for having some special statute of protection. The localities show some diversity in spite of their close geographical proximity. Of a total number of 570 species listed in this work, 28 are additions to Portuguese fauna of which eight are also new for the Iberian Peninsula.

KEY WORDS: Insecta, Lepidoptera, Baixo Mondego, Beira Litoral, Portugal, Iberian Peninsula.

Lepidoptera de Baixo Mondego (Beira Litoral, Portugal) (Insecta: Lepidoptera)

Resumo

Este trabalho inclui um conjunto de registos lepidopterológicos realizados na zona do Baixo Mondego (Beira Litoral) num período compreendido entre 1998 e 2005. Enquanto três áreas foram escolhidas por possuírem algum estatuto de protecção, a diversidade entre elas foi variável apesar da proximidade geográfica. Do total das 570 espécies listadas neste trabalho, 28 são novas para Portugal das quais 8 são novas também para a Península Ibérica.

PALAVRAS CHAVE: Insecta, Lepidoptera, Baixo Mondego, Beira Litoral, Portugal, Península Ibérica.

Los Lepidoptera del Baixo Mondego (Beira Litoral, Portugal) (Insecta: Lepidoptera)

Resumen

Este trabajo incluye un conjunto de citas lepidopterológicas realizados en la zona de Baixo Mondego (Beira Litoral) comprendido entre los años 1998 a 2005. En cuanto a las tres áreas escogidas han sido por poseer algún estatuto de protección, una diversidad entre ellas variable, a pesar de su proximidad geográfica. De un total de 570 especies citadas en este trabajo, 28 son adiciones a la fauna portuguesa de los cuales ocho son también nuevas para la Península Ibérica.

PALABRAS CLAVE: Insecta, Lepidoptera, Baixo Mondego, Beira Litoral, Portugal, Península Ibérica.

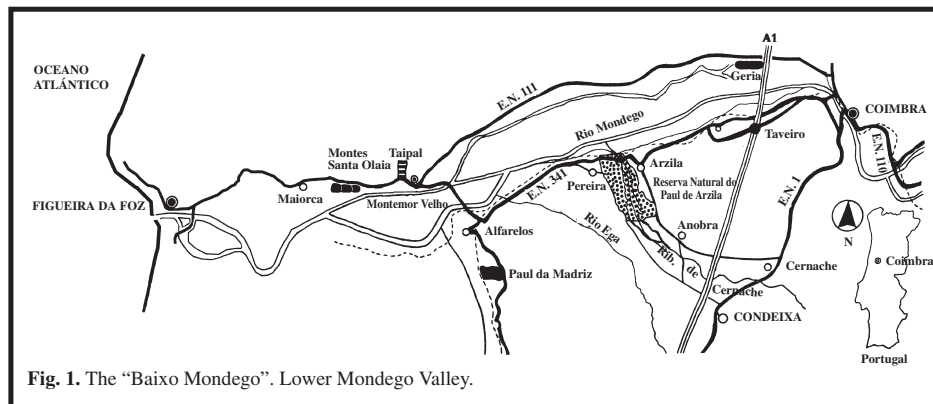
Introduction

Although overall, the Portuguese coastal regions are more or less studied by lepidopterists (COR-

LEY, 2004); two significant sections have been largely neglected: the southern coast of Alentejo and an area comprising the north of Extremadura and all Beira Litoral. Whilst an improvement was made by CORLEY (2004) for the first area, the few records from the latter remain largely unpublished, and as regards Beira Litoral, are lacking altogether.

For inland parts of Beira Litoral there are a number of historical references to the Lepidoptera. MAT-TOSO SANTOS (1882; 1884) gives records from Beira Litoral with localities such as Batalha and Condeixa. WATTISON (1928-1930) published a work misleadingly entitled “Lepidoptera of Portugal” which treats only butterflies. In it he refers to some localities in Beira Litoral, such as: Coimbra, Lousã, Pombal, Pampilhosa, Figueira da Foz, Buçaco (Bussaco), Soure, Luso, Silva Escura and Condeixa. WATTISON & SILVA CRUZ (1934-1935) include records from Beira Litoral from a number of localities including Coimbra, Condeixa, Buçaco, Lousã, Quinta dos Fornos (Lousã), Pampilhosa, Luso, Curia, Penela, Quiaios, Soure, Mogofores and Pombal. ZERKOWITZ (1946) organized the records under provinces. Under BL are records from Lousã, Coimbra, Condeixa, Buçaco, Pampilhosa, Silva Escura, Luso, Sobrado de Paiva and Oliveira de Azeméis. SILVA CRUZ & GONÇALVES (1955) refer to the following localities in Beira Litoral: Pampilhosa and Serra da Lousã. The “Baixo Mondego”, Lower Mondego Valley.

The Lower Mondego Valley (see map, Fig. 1) comprises the westernmost part of the Mondego River drainage area, beginning in the city of Coimbra and ending near Figueira da Foz. This valley has an area of about 15000 ha spread over a distance of 50 km along the river. The river Mondego, which gives the name to the valley, is the largest purely Portuguese river, rising in Serra da Estrela (Beira Alta) and crossing Beira Litoral in an east-west direction where it flows to the sea.



There are three important, environmentally valuable areas in Mondego Valley and they are: Reserva Natural do Paúl de Arzila; Paúl da Madriz and Sítio Classificado dos Montes de Santa Olaia e Ferrestrelo.

Of the three areas, the nearest to the city of Coimbra is Reserva Natural do Paúl de Arzila. Eleven km west of the city, it occupies an area of 535 ha. The vegetation is quite interesting and old, creating many microclimatic conditions especially near the “paúl”. Predominant species are *Quercus faginea broteroi*, *Arbutus unedo*, *Quercus suber*, *Corylus avellana* and *Quercus robur*. These conditions make possible a coexistence of a Mediterranean fauna with relict species characteristic of the Euroasiatic faunal region. However, in recent times the natural vegetation is being replaced by crops of *Eucalyptus globulus*, with the natural habitats now restricted to small patches (PAIVA, 1996).

The 38 ha Paúl da Madriz, is 11 km west of Arzila, and not easy to find. It was growing rice crops until 1967. It is now mostly a marshland with *Phragmites australis*, a primary colonist, and *Scirpus lacustris* in smaller quantity. In the wettest areas there is also some *Typha latifolia* and *Typha angustifolia*, *Nuphar lutea* and *Nymphaea alba*. (PAIVA, 1996).

The third locality is Sítio Classificado dos Montes de Santa Olaia e Ferrestrelo. It is the most

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Mediterranean habitat of Baixo Mondego, surrounded by rice fields and pastures. The area is divided into two parts by a small lake. The eastern part is a small mesophilous forest of *Quercus faginea broteroi* including some old trees.

The vegetation of the area corresponds to the association *Arisaro-Quercetum fagineae* on one side and a sub-association of *Meliceto-Cocciferetum lentiscetum* mixed with *Hyparrhenia hirta* and *Carex depressa* (association *Cariceto-Hyparrhenicetum hirtum*) without *Quercus faginea*.

At the base of the hills communities of *Hyparrhenia hirta* grazed by sheep have developed, with *Eryngium campestris*, *Cynara humilis* and *Dittrichia viscosa* (PAIVA, 1996) indicating some degree of ruderality.

The western part of these hills has been severely altered by man and is composed mostly of old olive groves. In the rockiest part, beside the Ereira street, there is a maquis (*Meliceto-Cocciferetum lentiscetosum*), associated with *Hyparrhenia hirta* and *Carex depressa*, where several Mediterranean species can be found, including *Pistacia lentiscus*, *Crataegus monogyna*, *Rhamnus alaternus*, *Rosa canina*, *Rosa sempervirens*, *Phillyrea latifolia* and *Rubus* sp. In and adjacent to the rice field there is also an alien weed, *Eryngium pandanifolium*. (PAIVA, 1996).

The small lake that separates the two parts is inhabited by several aquatic plants including *Myriophyllum* sp., *Typha angustifolia* L. and *Iris pseudacorus* L. (PAIVA, 1996).

The first author has always lived in Coimbra and knew these three natural areas because of his first interest in ornithology. When he begun to study the Lepidoptera of Portugal he already had several movies and photos of butterflies and moths from these three places.

In 2001 he was invited by DRAOT-CENTRO to make part of a team that would study the biodiversity of Mata da Geria. During the years 2002/2003 a project was supported by the Portuguese Institute of Nature Conservation to identify the Lepidoptera of the three important classified areas. The accomplishment of this project in the given areas resulted in the accumulation of the greater part of the records in this work.

The second author has only been involved in field work in the Mondego Valley on four nights. His main contribution to the work has been in the identification of material, particularly of Microlepidoptera.

The most common method used to attract moths was with two 160W mercury vapour lamps and a 14W black light powered by a generator. Less often used were light traps powered by 12v batteries: actinic light (8W) and black light (8W). On a couple of nights ropes soaked in a wine and sugar mixture yielded useful results.

The order and nomenclature of families and species follows VIVES MORENO (1994) with minor modifications. For the most frequently recorded species, only the first record is given with full data. The localities, number of records and the months in which the adult has been recorded are listed. Since there is no work devoted solely to the Lepidoptera of Beira Litoral, a future paper is planned which will include both old and new records.

Some species treated here as new to Portugal have been previously listed for Portugal in error, including *Coleophora conyzae* (see CORLEY, 2002), and *Trachycera advenella* (see CORLEY *et. al.*, 2000). The origin of the listing of *Caloptilia azaleella* and *Archanara geminipuncta* as Portuguese species is unknown, and therefore doubtful (CORLEY, unpublished). The published record of *Agrochola macilenta* (SILVA CRUZ & GONÇALVES, 1966) is based on a misidentification (CORLEY, unpublished).

Abbreviations

PP	Pedro Pires
MFVC	Martin F. V. Corley
EM	Ernestino Maravalhas
M	Eduardo Marabuto
*	New to Portugal
**	New to Iberian Peninsula

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List of families and species

Micropterigidae

Micropterix ibericella (Caradja, 1920)

Arzila, 22-V-2003 (MFVC, EM & PP); Arzila, 24-III-2004 (PP), det. (MFVC).

Eriocraniidae

Eriocrania subpurpurella (Haworth, 1828)

Arzila, 24-III-2004 (PP), det. (MFVC).

Nepticulidae

Stigmella ilicifoliella (Mendes, 1918)

Arzila, 24-III-2004 (PP), det. (MFVC); Madriz 23-IX-2004 (PP), det. (MFVC).

**Stigmella obliquella* (Heinemann, 1862)

Olaia, 30-IX-2005 (PP), det. (MFVC).

Opostegidae

Opostega salaciella (Treitschke, 1833)

Madriz, 29-IV-2004 (PP), det. (MFVC).

Pseudopostega crepusculella (Zeller, 1839)

Madriz, 19-V-2003 (PP); Arzila, 30-VIII-2004 (PP); Madriz, 23-IX-2004 (MFVC & PP), all det. (MFVC).

Tischeriidae

Tischeria ekebladella (Bjerkander, 1795)

Arzila, 22-V-2003 (MFVC, EM & PP); Arzila, 17-VII-2003 (PP); Madriz, 9-IX-2003 (PP); Arzila, 12-V-2004 (PP); Arzila, 25-VIII-2004 (PP); Arzila, 24-IX-2004 (MFVC & PP), all det. (MFVC).

Coptotriche berberella (De Prins, 1984)

Madriz, 9-IX-2003 (PP); Arzila, 14-VIII-2004 (PP); Arzila, 24-IX-2004 (MFVC & PP), all det. (MFVC).

Adelidae

***Nematopogon metaxella* (Hübner, 1813)

Arzila, 12-V-2004 (PP), det. (MFVC).

Incurvariidae

Incurvaria masculella (Denis & Schiffermüller, 1775)

Taipal (Torre), 6-IV-2004 (PP), det. (MFVC).

Psychidae

Taleporia tubulosa (Retzius, 1783)

Madriz, 29-IV-2004 (PP), det. (MFVC).

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Tineidae

- Crassicornella agenjoi* (Petersen, 1957)
Madriz, 23-VII-2003 (PP), det. (MFVC).
- Nemapogon nevadella* (Caradja, 1920)
Arzila, 25-VIII-2004 (PP), det. (MFVC).
- Monopis laevigella* (Denis & Schiffermüller, 1775)
Madriz, 23-IX-2004 (MFVC & PP).
- Monopis crocicapitella* (Clemens, 1859)
Arzila, 24-IX-2004 (MFVC & PP).
- Monopis nigricantella* (Millière, 1872)
Madriz, 9-IX-2003 (PP), det. (MFVC).
- Monopis imella* (Hübner, 1813)
Olaia, 30-IX-2005 (MFVC & PP).
- Fermocelina liguriella* (Millière, 1879)
Madriz, 19-VI-2003 (PP), det. (MFVC).
- Trichophaga bipartitella* (Ragonot, 1892)
Olaia, 4-IV-2003 (PP); Coimbra, 30-VIII-2004 (PP); Madriz, 23-IX-2004 (MFVC & PP); Arzila, 24-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (MFVC & PP), all det. (MFVC).
- Elatobia fuliginosella* (Lienig & Zeller, 1846)
Madriz, 9-IX-2003 (PP), det. (MFVC); Madriz, 23-IX-2004 (MFVC & PP). 2nd Portuguese record.
- Tinea murariella* (Staudinger, 1859)
Arzila, 6-IX-2003 (PP), det. (MFVC).
- Tinea trinotella* (Thunberg, 1794)
Olaia, 14-III-2003 (PP); Olaia, 30-VII-2003 (PP); Arzila, 12-V-2004 (PP), all det. (MFVC).
- **Oinophila v-flava* (Haworth, 1828)
Coimbra, 8-V-2004 (PP); Coimbra, 15-VI-2005 (PP), det. (MFVC).
- Opogona omoscopa* (Meyrick, 1893)
Olaia, 30-IX-2005 (MFVC & PP). 2nd Portuguese record.

Bucculatricidae

- Bucculatrix frangutella* (Goeze, 1783)
Arzila, 14-VIII-2004 (PP), det. (MFVC).

Gracillariidae

- **Caloptilia azaleella* (Brants, 1913)
Arzila, 24-III-2004 (PP); Madriz, 29-IV-2004 (PP); Arzila, 12-V-2004 (PP), all det. (MFVC).

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Caloptilia stigmatella (Fabricius, 1781)

Arzila, 22-V-2003 (MFVC, EM & PP); Arzila, 6-IX-2003 (PP); Arzila, 5-XI-2003 (PP); Olaia, 19-XI-2003 (PP); Madriz, 18-XII-2003 (PP); Madriz, 23-IX-2004 (MFVC & PP), all det. (MFVC).

Caloptilia robustella (Jäckh, 1972)

Arzila, 9-IV-2003 (PP); Madriz, 17-IV-2003 (PP); Arzila, 19-IV-2003 (PP); Olaia, 30-VII-2003 (PP), all det. (MFVC). 3rd Portuguese record.

Aspilapteryx tringipennella (Zeller, 1839)

Arzila, 22-V-2003 (MFVC, EM & PP).

Calybites phasianipennella (Hübner, 1813)

Madriz, 19-V-2003 (PP), det. (MFVC); Arzila, 24-IX-2004 (MFVC & PP).

Calybites auroguttella (Stephens, 1835)

Arzila, 5-X-2002 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Olaia, 30-V-2003 (PP); Madriz, 23-VII-2003 (PP); Madriz, 9-IX-2003 (PP), all det. (MFVC).

Parornix anglicella (Stainton, 1850)

Arzila, 19-IV-2003 (PP), det. (MFVC); Arzila, 22-V-2003 (MFVC, EM & PP); Arzila, 24-IX-2004 (MFVC & PP).

Dialectica scalariella (Zeller, 1850)

Madriz, 19-VI-2003 (PP); Arzila, 11-II-2004 (PP), all det. (MFVC).

***Phyllonorycter salicicolella* (Sircom, 1848)

Madriz, 19-VI-2003 (PP), det. (MFVC).

Phyllonorycter joviella (Constant, 1890)

Arzila, 24-III-2004 (PP), det. (MFVC).

Phyllonorycter messaniella (Zeller, 1846)

Arzila, 21-X-2003 (PP); Arzila, 24-III-2004 (PP); Madriz, 29-IV-2004 (PP); Coimbra, 16-V-2004 (PP), all det. (MFVC).

Phyllonorycter trifasciella (Haworth, 1828)

Arzila, 17-III-2004 (PP), det. (MFVC).

Yponomeutidae

Yponomeuta malinellus (Zeller, 1838)

Madriz, 19-VI-2003 (PP), det. (MFVC).

Zelleria oleastrella (Millière, 1864)

Madriz, 9-IX-2003 (PP), det. (MFVC).

Paraswammerdamia nebulella (Goeze, 1783)

Madriz, 9-IX-2003 (PP); Arzila, (14,30)-VIII-2004 (PP), all det. (MFVC).

**Paraswammerdamia albicapitella* (Scharfenberg, 1805)

Olaia, 30-IV-2003 (PP), det. (MFVC); Arzila, 22-V-2003 (MFVC, EM & PP).

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**Cedestis gysseleniella* (Zeller, 1839)
 Madriz, 29-IV-2004 (PP), det. (MFVC).

Cedestis subfasciella (Stephens, 1834)
 Madriz, 9-IX-2003 (PP), det. (MFVC).

Prays oleae (Bernard, 1788)
 Taipal (Torre), 7-IV-2004 (PP); Olaia, 30-IX-2005 (MFVC & PP), det. (MFVC).

Argyresthia spinosella (Stainton, 1849)
 Arzila, 22-V-2003 (MFVC, EM & PP), 2nd Portuguese record.

Ypsolophidae

Ypsolopha ustella (Clerck, 1759)
 Madriz, 18-XII-2003 (PP); Arzila, 24-III-2004 (PP), all det. (MFVC).

Plutellidae

Plutella xylostella (Linnaeus, 1758)
 Arzila, 18-IX-2002 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Olaia, 30-V-2003 (PP); Arzila, 6-IX-2003 (PP); Coimbra, 16-V-2004 (PP), all det. (MFVC).

Acrolepiopsis vesperella (Zeller, 1850)
 Arzila, 19-IV-2003 (PP); Olaia, 30-IV-2003 (PP); Olaia, 13-V-2003 (PP); Arzila, 24-III-2004 (PP); Taipal (Torre), 7-IV-2004 (PP); Arzila, 12-V-2004 (PP); Arzila, 24-IX-2004 (MFVC & PP), all det. (MFVC).

Bedelliidae

Bedellia somnulentella (Zeller, 1847)
 Olaia, 30-V-2003 (PP); Arzila, 6-IX-2003 (PP); Arzila, 30-VIII-2004 (PP); Olaia, 30-IX-2005 (MFVC & PP), all det. (MFVC).

Oecophoridae

Batia lunaris (Haworth, 1828)
 Arzila, 9-VI-2003 (PP), det. (MFVC).

Goidanichiana jourdheuillega (Ragonot, 1875)
 Arzila, 22-V-2003 (MFVC, EM & PP); Madriz, 19-VI-2003 (PP), det. (MFVC).

Alabonia herculeella (Walsingham, 1903)
 Geria, 29-IV-2001 (PP), det. (MFVC); Arzila, 22-V-2003 (MFVC, EM & PP); Madriz, 19-VI-2003 (PP).

Carcina quercana (Fabricius, 1775)
 Olaia, 29-V-2002 (PP); Arzila and Madriz, frequent (19 records), end-April to June, August to November.

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Chimabachidae

Diurnea fagella (Denis & Schiffermüller, 1775)

Madriz, 10-III-2002 (PP), det. (MFVC); Arzila, 12-III-2003 (PP); Arzila, 24-III-2004 (PP).

Depressariidae

Agonopterix nervosa (Haworth, 1811)

Arzila, 24-IX-2004 (MFVC & PP), det. (MFVC).

Agonopterix yeatiana (Fabricius, 1781)

Arzila, 24-II-2002 (PP), det. (MFVC).

Depressaria daucella (Denis & Schiffermüller, 1775)

Larva Geria, 29-IV-2001 (PP), det. (MFVC); larva Arzila, 26-V-2001 (PP), det. (MFVC); Madriz, 17-IV-2003 (PP), det. (MFVC); Arzila, 11-II-2004 (PP), det. (MFVC); larva Arzila, 12-V-2004 (PP); Madriz, 23-IX-2004 (MFVC & PP).

Pseudatemelia amparoella (Vives, 1986)

Arzila, 9-VI-2003 (PP), det. (MFVC).

Batrachedridae

Batrachedra parvulipunctella (Chrétien, 1915)Madriz, 23-IX-2004 (MFVC & PP). 2nd Portuguese record.

Coleophoridae

Coleophora alcyonipennella (Kollar, 1832)

Arzila, 26-VII-2002 (PP); Madriz, 19-VI-2003 (PP); Madriz, 23-VII-2003 (PP); Olaia, 30-VII-2003 (PP); Arzila, 14-VIII-2003 (PP); Olaia, 20-VIII-2003 (PP); Arzila, 14-VIII-2004 (PP), all det. (MFVC); Arzila, 30-VIII-2004 (PP), det. (MFVC).

**Coleophora conyzae* (Zeller, 1868)

Madriz, 19-VI-2003 (PP); Madriz, 20-VIII-2004 (PP), all det. (MFVC).

Coleophora solidaginella (Staudinger, 1859)

Madriz, 20-VIII-2004 (PP), det. (MFVC).

Coleophora trifariella (Zeller, 1849)

Arzila, 12-V-2004 (PP), det. (MFVC).

Coleophora bilineella (Herrich-Schäffer, 1855)

Madriz, 9-IX-2003 (PP), det. (MFVC).

Coleophora hieronella (Zeller, 1849)

Arzila, 12-V-2004 (PP); Coimbra, 16-V-2004 (PP), all det. (MFVC).

Coleophora albidella (Denis & Schiffermüller, 1775)Madriz, 27-VIII-2003 (PP), det. (MFVC). 2nd Portuguese record.

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- Coleophora kuehnella* (Goeze, 1783)
Arzila, 22-V-2003 (MFVC, EM & PP).
- Coleophora strigosella* (Toll, 1960)
Arzila, 17-VII-2003 (PP); Arzila, 30-VIII-2004 (PP); Olaia, 30-IX-2005 (MFVC & PP), all det. (MFVC).
- Coleophora pyrrhulipennella* (Zeller, 1839)
Madriz, 19-VI-2003 (PP); Arzila, 17-VII-2003 (PP), all det. (MFVC).
- Coleophora insulicola* (Toll, 1942)
Arzila, 14-VIII-2003 (PP); Arzila, 24-IX-2004 (PP), all det. (MFVC). 2nd Portuguese record.
- Coleophora glaucicolella* (Wood, 1892)
Olaia, 30-VI-2003 (PP), det. (MFVC).
- Coleophora taeniipennella* (Herrich-Schäffer, 1855)
Arzila, 30-VIII-2004 (PP), det. (MFVC).
- Coleophora saxicolella* (Duponchel, 1843)
Arzila, 30-VIII-2004 (PP), det. (MFVC).
- **Coleophora therinella* (Tengström, 1848)
Olaia, 30-VII-2003 (PP), det. (MFVC).
- Coleophora sternipennella* (Zetterstedt, 1839)
Arzila, 30-VIII-2004 (PP), det. (MFVC).
- Coleophora versurella* (Zeller, 1849)
Arzila, 6-IX-2003 (PP), det. (MFVC).
- Coleophora lassella* (Staudinger, 1859)
Arzila, 9-VI-2003 (PP); Madriz, 19-VI-2003 (PP); Arzila, 17-VII-2003 (PP); Madriz, 27-VIII-2003 (PP); Arzila, 24-III-2004 (PP); Arzila, 3-IV-2004 (M & PP); Madriz, 29-IV-2004 (PP); Arzila, 12-V-2004 (PP), all det. (MFVC).
- Coleophora agilis* (Baldizzone, 1998)
Madriz, 29-IV-2004 (PP), det. (MFVC).
- Elachistidae
- Perittia piperatella* (Staudinger, 1859)
Madriz, 29-IV-2004 (PP), det. (MFVC).
- Elachista canapennella* (Hübner, 1813)
Arzila, 22-V-2003 (MFVC, EM & PP). 2nd Portuguese record.
- Elachista occidentella* (Traugott-Olsen, 1992)
Arzila, 25-VIII-2004 (PP), det. (MFVC); Madriz, 23-IX-2004 (MFVC & PP).
- **Elachista adscitella* (Stainton, 1851)
Coimbra, VI.2005 (PP), det. (MFVC).

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Cosmiotes consortella (Stainton, 1851)

Arzila, 9-VI-2003 (PP); Arzila, 6-IX-2003 (PP); Arzila, 21-X-2003 (PP); Madriz, 20-VIII-2004 (PP); Arzila, 24-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (PP), all det. (MFVC).

Ethmiidae

Ethmia terminella (Fletcher, 1938)

Madriz, 17-IV-2003 (PP), det. (MFVC).

Ethmia bipunctella (Fabricius, 1775)

Geria, 11-VIII-2001 (PP); Madriz, Arzila and Olaia, frequent (19 records), end-March to September.

Agonoxenidae

***Spuleria flavicaput* (Haworth, 1828)

Olaia, 4-IV-2003 (PP), det. (MFVC).

Blastodacna hellerella (Duponchel, 1838)Olaia, 4-IV-2003 (PP); Madriz, 17-IV-2003 (PP); Olaia, 20-VIII-2003 (PP), all det. (MFVC). 2nd Portuguese record.*Haplochrois buvati* (Baldizzone, 1985)

Madriz, 23-IX-2004 (MFVC & PP).

Blastobasidae

Blastobasis phycidella (Zeller, 1839)

Olaia, 30-IV-2003 (PP); Olaia, 30-V-2003 (PP); Olaia, 30-VII-2003 (PP); Madriz, 9-IX-2003 (PP); Arzila, 12-V-2004 (PP); Olaia, 30-IX-2005 (MFVC & PP), all det. (MFVC).

Blastobasis maroccanella (Amsel, 1952)

Olaia, 30-IV-2003 (PP); Arzila and Madriz, frequent (10 records), middle-April to September, all det. (MFVC).

Momphidae

Urodeta hibernella (Staudinger, 1859)

Madriz, 9-IX-2003 (PP); Madriz, 17-X-2003 (PP), all det. (MFVC).

Cosmopterigidae

Cosmopterix crassicervicella (Chrétien, 1896)

Arzila, 5-X-2002 (PP), det. (MFVC); Olaia and Madriz, frequent (11 records), July to October.

Pyroderces argyrogrammos (Zeller, 1847)

Geria, 11-VIII-2001 (PP), det. (MFVC); Madriz and Arzila, frequent (10 records), April, August to September.

Coccidiphila gerasimovi (Danilevsky, 1950)

Arzila, 5-XI-2003 (PP), det. (MFVC).

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Limnaecia phragmitella (Stainton, 1851)

Geria, 11-VIII-2001 (PP); Madriz, 19-VI-2003 (PP); Madriz, 23-VII-2003 (PP), all det. (MFVC).

Gelechiidae

Epidola stigma (Staudinger, 1859)

Madriz, 14-VIII-2002 (PP); Olaia, 30-VII-2003 (PP), all det. (MFVC).

Aristotelia ericinella (Zeller, 1839)

Olaia, 12-VII-2002 (PP); Madriz, 14-VIII-2002 (PP), det. (MFVC); Madriz, 19-VI-2003 (PP); Madriz, 23-VII-2003 (PP); Olaia, 30-VII-2003 (PP); Madriz, 20-VIII-2004 (PP), all det. (MFVC).

***Aristotelia subdecurtella* (Stainton, 1859)

Arzila, 6-IX-2003 (PP), det. (MFVC); Madriz, 23-IX-2004 (MFVC & PP).

Isophrictis lineatellus (Zeller, 1850)

Madriz, 19-VI-2003 (PP); Arzila, 12-V-2004 (PP), all det. (MFVC).

Ptocheuusa paupella (Zeller, 1847)

Madriz, 19-V-2003 (PP); Madriz, 23-VII-2003 (PP); Arzila, 25-VIII-2004 (PP), all det. (MFVC).

Monochroa cytisella (Curtis, 1837)

Madriz, 19-VI-2003 (PP), det. (MFVC).

Eulamprotes helotella (Staudinger, 1859)

Arzila, 19-IV-2003 (PP); Arzila, 10-V-2003 (PP); Madriz, 19-V-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Madriz, 19-VI-2003 (PP); Madriz, 29-IV-2004 (PP), all det. (MFVC).

Eulamprotes immaculatella (Douglas, 1850)

Arzila, 12-V-2004 (PP), det. (MFVC).

Teleiodes luculella (Hübner, 1813)

Arzila, 10-V-2003 (PP); Arzila, 12-V-2004 (PP), all det. (MFVC).

Pseudotelphusa scalella (Scopoli, 1763)

Arzila, 12-V-2004 (PP); Arzila, 14-VIII-2004 (PP), all det. (MFVC). 2nd Portuguese record.

Neofaculta ericetella (Geyer, 1832)

Madriz, 17-IV-2003 (PP); Arzila, 10-V-2003 (PP); Madriz, 19-V-2003 (PP), all det. (MFVC).

Phthorimaea operculella (Zeller, 1873)

Geria, 22-IX-2001 (PP); Arzila, 6-IX-2003 (PP); Arzila, 21-X-2003 (PP); Arzila, (14,30)-VIII-2004 (PP); Arzila, 24-IX-2004 (PP), all det. (MFVC).

Platyedra subcinerea (Haworth, 1828)

Madriz, 17-IV-2003 (PP); Coimbra, 23-IV-2004 (PP), all det. (MFVC).

Syncopacma polychromella (Rebel, 1902)

Coimbra, 8-II-2004 (PP), det. (MFVC).

Syncopacma taeniolella (Zeller, 1839)

Madriz, 23-VII-2003 (PP), det. (MFVC). 2nd Portuguese record.

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**Syncopacma patruella* (Mann, 1857)

Arzila, (25,30)-VIII-2004 (PP), det. (MFVC).

Approaerema anthyllidella (Hübner, 1813)

Arzila, 22-V-2003 (MFVC, EM & PP); Coimbra, Olaia and Madriz, frequent (13 records), end-April to middle-October.

Mesophleps corsicella (Herrich-Schäffer, 1856)

Madriz, 19-V-2003 (PP), det. (MFVC).

Anarsia spartiella (Schrank, 1802)

Arzila, 14-VI-2002 (PP); Madriz, 19-VI-2003 (PP); Arzila, 17-VII-2003 (PP), all det. (MFVC).

Dichomeris acuminata (Staudinger, 1876)

Olaia, 30-VII-2003 (PP); Arzila, 6-IX-2003 (PP), all det. (MFVC); Madriz, 23-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (MFVC & PP).

Dichomeris limbipunctella (Staudinger, 1859)

Arzila, 10-V-2003 (PP); Arzila, 17-VII-2003 (PP); Madriz, 29-IV-2004 (PP); Arzila, 25-VIII-2004 (PP), all det. (MFVC).

Brachmia blandella (Fabricius, 1798)

Arzila, 17-VII-2003 (PP); Arzila, 14-VIII-2003 (PP); Arzila, 6-IX-2003 (PP); Arzila, 30-VIII-2004 (PP), all det. (MFVC); Madriz, 23-IX-2004 (MFVC & PP).

Helcystogramma triannulella (Herrich-Schäffer, 1854)

Arzila, 24-II-2002 (PP); Olaia and Madriz, frequent (11 records), end-February to April, September to November.

Symmocidae

Symmoca nigromaculella (Ragonot, 1875)

Arzila, 17-VII-2003 (PP); Madriz, 23-VII-2003 (PP), all det. (MFVC).

Symmoca signatella (Herrich-Schäffer, 1854)

Geria, 1-VI-2001 (PP), det. (MFVC); Arzila, Madriz and Olaia, frequent (11 records), June to August.

Apatema mediopallidum (Walsingham, 1900)

Geria, 21-VII-2001 (PP); Geria, 11-VIII-2001 (PP); Madriz, 23-VII-2003 (PP); Arzila, 6-IX-2003 (PP); Arzila, 24-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (MFVC & PP), all det. (MFVC).

Lecithoceridae

Eurodachtha canigella (Caradja, 1920)

Madriz, 14-VIII-2002 (PP); Madriz, 9-IX-2003 (PP); Madriz, 20-VIII-2004 (PP); Arzila, 25-VIII-2004 (PP), all det. (MFVC); Arzila, 24-IX-2004 (MFVC & PP); Coimbra, 15-VII-2005 (PP).

Cossidae

Zeuzera pyrina (Linnaeus, 1761)

Madriz, 19-VI-2003 (PP).

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Limacodidae

Hoyosia codeti (Oberthür, 1883)

Geria, 21-VII-2001 (PP); Olaia, Arzila and Madriz, frequent (18 records), May to September.

Tortricidae

Phtheochroa simoniana (Staudinger, 1859)

Arzila, 19-IV-2003 (PP), det. (MFVC).

Phtheochroa rugosana (Hübner, 1799)

Arzila, 20-III-2003 (PP), det. (MFVC).

Phalonidia manniana (Fischer von Röslerstamm, 1839)

Olaia, 6-IV-2004 (PP), det. (MFVC). 2nd Portuguese record.

***Gynnidomorpha alimana* (Ragonot, 1883)

Olaia, 30-IX-2005 (MFVC & PP).

Cochylidia heydeniana (Herrich-Schäffer, 1851)

Madriz, 23-VII-2003 (PP); Madriz, 20-VIII-2004 (PP), all det. (MFVC); Madriz, 23-IX-2004 (MFVC & PP); Arzila, 24-IX-2004 (MFVC & PP).

Cochylis hybridella (Hübner, 1813)

Arzila, 26-VII-2002 (PP), det. (MFVC).

Cochylis molliculana (Zeller, 1847)

Geria, 21-VII-2001 (PP), det. (MFVC); Olaia, 29-V-2002 (PP), det. (MFVC); Arzila, 22-V-2003 (MFVC, EM & PP); Olaia, 30-V-2003 (PP); Olaia, 30-VII-2003 (PP); Arzila, 6-IX-2003 (PP); Arzila, 14-VIII-2004 (PP); Madriz, 20-VIII-2004 (PP); Madriz, 23-IX-2004 (MFVC & PP).

Cochylis pallidana (Zeller, 1847)

Madriz, 20-VIII-2004 (PP), det. (MFVC).

Cochylis posterana (Zeller, 1847)

Taipal (Torre), 7-IV-2004 (PP), det. (MFVC).

Acleris variegana (Denis & Schiffermüller, 1775)

Arzila, 14-VI-2002 (PP); Madriz, 19-VI-2003 (PP); Arzila, 21-X-2003 (PP), all det. (MFVC); Arzila, 24-IX-2004 (MFVC & PP).

Acleris hastiana (Linnaeus, 1758)

Olaia, 23-XII-2003 (PP); Arzila, 30-VIII-2004 (PP), all det. (MFVC); larva Madriz, 23-IX-2004 (MFVC & PP).

Cnephasia stephensiana (Doubleday, 1850)

Madriz, 19-VI-2003 (PP); Arzila, 12-V-2004 (PP), all det. (MFVC).

Pseudargyrotoza conwagana (Fabricius, 1775)

Olaia, 13-V-2003 (PP), det. (MFVC).

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Ditula angustiorana (Haworth, 1811)

Arzila, 10-V-2003 (PP), det. (MFVC); Olaia and Madriz, frequent (12 records), May to October.

Archips podanus (Scopoli, 1763)

Arzila, 22-V-2003 (MFVC, EM & PP); Arzila, 17-VII-2003 (PP); Arzila, 14-VIII-2003 (PP); Arzila, 21-X-2003 (PP).

Pandemis heparana (Denis & Schiffermüller, 1775)

Geria, 21-VII-2001 (PP), det. (MFVC); Madriz, Olaia and Arzila, frequent (19 records), April to October.

Lozotaenia cupidinana (Staudinger, 1859)

Madriz, 26-IV-2002 (PP); Madriz, 17-IV-2003 (PP); Arzila, 10-V-2003 (PP); Madriz, 17-X-2003 (PP), all det. (MFVC).

Cacoecimorpha pronubana (Hübner, 1799)

Arzila, 24-IX-2004 (MFVC & PP).

Clepsis unicolorana (Duponchel, 1835)

Madriz, 17-IV-2003 (PP), det. (MFVC).

Clepsis consimilana (Hübner, 1817)

Olaia, 30-IV-2003 (PP); Olaia, 20-VIII-2003 (PP); Madriz, 9-IX-2003 (PP); Olaia, 30-IX-2005 (MFVC & PP), all det. (MFVC).

Clepsis spectrana (Treitschke, 1930)

Arzila, 26-VII-2002 (PP), det. (MFVC); Olaia, 30-IV-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Olaia, 30-VII-2003 (PP); Arzila, 6-IX-2003 (PP); Madriz, 23-IX-2004 (MFVC & PP).

Bactra lancealana (Hübner, 1799)

Olaia, 29-V-2002 (PP), det. (MFVC); Arzila and Madriz, frequent (17 records), March to November.

Bactra venosana (Zeller, 1847)

Olaia, 30-IX-2005 (MFVC & PP).

Hedya pruniana (Hübner, 1799)Taipal (Torre), 7-IV-2004 (PP), det. (MFVC). 2nd Portuguese record.*Piniphila bifasciana* (Haworth, 1811)

Madriz, 26-IV-2002 (PP), det. (MFVC); Madriz, 21-VI-2002 (PP); Madriz, 17-IV-2003 (PP); Madriz, 19-VI-2003 (PP); Arzila, 12-V-2004 (PP).

Syricoris lacunana (Denis & Schiffermüller, 1775)

Arzila, 6-IX-2003 (PP), det. (MFVC); Madriz, 20-VIII-2004 (PP); Madriz, 23-IX-2004 (MFVC & PP).

***Celypha aurofasciana* (Haworth, 1811)

Arzila, 14-VI-2002 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Olaia, 30-V-2003 (PP), all det. (MFVC).

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Lobesia botrana (Denis & Schiffermüller, 1775)

Arzila, 14-VIII-2003 (PP); Arzila, (14,25,30)-VIII-2004 (PP), all det. (MFVC); Madriz, 23-IX-2004 (MFVC & PP); Arzila, 24-IX-2004 (MFVC & PP).

Endothenia gentianaeanana (Hübner, 1799)

Arzila, 14-VIII-2004 (PP), det. (MFVC); Madriz, 23-IX-2004 (MFVC & PP).

Epinotia festivana (Hübner, 1799)

Arzila, 14-VI-2002 (PP), det. (MFVC).

Epinotia immundana (Fischer von Röslerstamm, 1839)

Madriz, 23-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (MFVC & PP).

Epinotia thapsiana (Zeller, 1847)

Madriz, 9-IX-2003 (PP), det. (MFVC).

Crociosema plebejana (Zeller, 1847)

Geria, 29-IX-2001 (PP), Arzila, 5-XI-2003 (PP); Olaia, 19-XI-2003 (PP); Arzila, 18-III-2004 (PP), all det. (MFVC).

Eucosma cana (Haworth, 1811)

Arzila, 26-VII-2002 (PP), det. (MFVC).

Gypsonoma minutana (Hübner, 1799)

Arzila, 22-V-2003 (MFVC, EM & PP).

Notocelia incarnatana (Hübner, 1799)

Geria, 11-VIII-2001 (PP), det. (MFVC); Olaia, 25-IX-2002 (PP), det. (MFVC); Arzila, 5-X-2002 (PP); Arzila, 6-IX-2003 (PP); Olaia, 6-X-2003 (PP); Arzila, 21-X-2003 (PP); Arzila, 24-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (MFVC & PP).

**Notocelia trimaculana* (Haworth, 1811)

Arzila, 22-V-2003 (MFVC, EM & PP); Arzila, 12-V-2004 (PP).

Ancylis diminutana (Haworth, 1811)

Arzila, 6-IX-2003 (PP), det. (MFVC). 2nd Portuguese record.

**Ancylis selenana* (Guenée, 1845)

Madriz, 17-IV-2003 (PP), det. (MFVC).

Ancylis apicella (Denis & Schiffermüller, 1775)

Madriz, 17-IV-2003 (PP); Arzila, 12-V-2004 (PP), all det. (MFVC).

***Ancylis obtusana* (Haworth, 1811)

Madriz, 19-VI-2003 (PP), det. (MFVC).

Grapholita internana (Guenée, 1845)

Madriz, 19-V-2003 (PP), det. (MFVC).

Grapholita gemmiferana (Treitschke, 1835)

Arzila, 12-V-2004 (PP), det. (MFVC).

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Grapholita lunulana (Denis & Schiffermüller, 1775)
Madriz, 17-IV-2003 (PP), det. (MFVC).

* *Grapholita janthinana* (Duponchel, 1835)
Arzila, 22-V-2003 (MFVC, EM & PP); Arzila, 14-VIII-2003 (PP); Arzila, 25-VIII-2004 (PP);
Arzila, 24-IX-2004 (MFVC & PP), all det. (MFVC).

Cydia coniferana (Saxesen, 1840)
Arzila, 25-VIII-2004 (PP), det. (MFVC); Madriz, 23-IX-2004 (MFVC & PP).

Cydia pomonella (Linnaeus, 1758)
Coimbra, 15-V-2001 (PP); Coimbra, 15-V-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP);
Madriz, 23-VII-2003 (PP); Olaia, 20-VIII-2003 (PP); Arzila, 12-V-2004 (PP); Coimbra, 16-V-2004
(PP).

Cydia nigricana (Fabricius, 1794)
Olaia, 13-V-2003 (PP), det. (MFVC).

Cydia ulicetana (Haworth, 1811)
Madriz, 26-IV-2002 (PP), det. (MFVC); Arzila and Olaia, frequent (17 records), February to
April, June to October.

Cydia splendana (Hübner, 1799)
Arzila, 17-VII-2003 (PP), det. (MFVC).

Cydia fagiglandana (Zeller, 1841)
Geria, 18-VI-2001 (PP); Olaia, 30-VII-2003 (PP); Madriz, 20-VIII-2004 (PP); Arzila, 25-VIII-
2004 (PP), all det. (MFVC); Olaia, 30-IX-2005 (MFVC & PP).

**Lathronympha strigana* (Fabricius, 1775)
Madriz, 23-IX-2004 (MFVC & PP).

Pammene amygdalana (Duponchel, 1843)
Arzila, 14-VIII-2004 (PP), det. (MFVC).

Pammene fasciana (Linnaeus, 1761)
Arzila, 22-V-2003 (MFVC, EM & PP); Arzila, 12-V-2004 (PP), det. (MFVC).

**Pammene splendidulana* (Guenée, 1845)
Arzila, 24-III-2004 (PP), det. (MFVC).

Sesiidae

***Sesia bembeciformis* (Hübner, 1806)
Arzila, 26-VI-2004 (PP).

Bembecia iberica (Špatenka, 1992)
Arzila, 21-VII-2003 (PP).

Pyropteron chrysidiformis (Esper, 1782)
Arzila, 24-VI-1999 (PP); (L on *Rumex* spp.) Arzila, 15-III-2003 (PP).

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Choreutidae

Tebenna micalis (Mann, 1857)

Madriz, 21-VI-2002 (PP); Olaia, 13-V-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Arzila, 1-VI-2003 (PP); Madriz, 19-VI-2003 (PP); Olaia, 30-VII-2003 (PP); Arzila, 14-VIII-2003 (PP); Coimbra, 16-V-2004 (PP); Taveiro, 26-V-2004 (PP).

Zygaenidae

Zygaena trifolii (Esper, 1783)

Arzila, 24-VI-1999 (PP); Madriz, 6-VI-2003 (PP).

Alucitidae

Alucita hexadactyla (Linnaeus, 1758)

Olaia, 30-IX-2005 (MFVC & PP).

Pyralidae

Achroia grisella (Fabricius, 1794)

Arzila, 24-IX-2004 (MFVC & PP).

Therapne obsoletalis (Mann, 1864)

Geria, 18-VI-2001 (PP), det. (MFVC); Arzila, Madriz and Olaia, frequent (12 records), May to September.

Pyralis farinalis (Linnaeus, 1758)

Coimbra, 20-IX-1998 (PP); Arzila, frequent (10 records), June to November.

Orthopygia glaucinalis (Linnaeus, 1758)

Arzila, 22-V-2003 (MFVC, EM & PP).

Actenia honestalis (Treitschke, 1829)

Arzila, 25-VIII-2004 (PP), det. (MFVC).

Actenia brunnealis (Hübner, 1825)

Madriz, 27-VIII-2003 (PP), det. (MFVC); Madriz, 20-VIII-2004 (PP).

Synaphe punctalis (Fabricius, 1775)

Madriz, 23-VII-2003 (PP).

Endotricha flammealis (Denis & Schiffermüller, 1775)

Coimbra, 23-IX-2000 (PP), det. (MFVC); Geria, Olaia, Madriz and Arzila, frequent (18 records), May to October.

Cryptoblabes gnidiella (Millière, 1867)

Geria, 11-VIII-2001 (PP); Olaia, 6-X-2003 (PP); Madriz, 20-VIII-2004 (PP); Olaia, 30-IX-2005 (MFVC & PP), all det. (MFVC).

Oncocera semirubella (Scopoli, 1763)

Olaia, 30-VII-2003 (PP); Madriz, 9-IX-2003 (PP); Olaia, 30-IX-2005 (MFVC & PP).

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Pempelia palumbella (Denis & Schiffermüller, 1775)

Madriz, 19-V-2003 (PP), det. (MFVC); Madriz, 27-VIII-2003 (PP); Arzila, 1-IX-2003 (PP).

Pempelia genistella (Duponchel, 1836)

Madriz, 20-VIII-2004 (PP), det. (MFVC).

Pempelia formosa (Haworth, 1811)

Geria, 21-VII-2001 (PP), det. (MFVC); Geria, 11-VIII-2001 (PP), det. (MFVC); Olaia, 30-VII-2003 (PP), det. (MFVC); Madriz, 9-IX-2003 (PP).

Asalebria florella (Mann, 1862)

Arzila, 14-VI-2002 (PP), det. (MFVC); Madriz, 21-VI-2002 (PP); Arzila, 26-VII-2002 (PP); Madriz, 19-VI-2003 (PP); Arzila, 17-VII-2003 (PP); Madriz, 23-VII-2003 (PP); Madriz, 20-VIII-2004 (PP).

Dioryctria mendacella (Staudinger, 1859)

Arzila, 14-VI-2002 (PP); Madriz and Olaia, frequent (14 records), May to June, August to November, all det. (MFVC).

Elegia similella (Zincken, 1818)

Madriz, 9-IX-2003 (PP), det. (MFVC).

Acrobasis bithynella (Zeller, 1848)

Madriz, 23-IX-2004 (MFVC & PP); Arzila, 24-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (MFVC & PP).

Acrobasis obliqua (Zeller, 1847)

Olaia, 29-V-2002 (PP); Madriz and Arzila, frequent (11 records), May to June, September, all det. (MFVC).

Acrobasis romanella (Millière, 1870)

Olaia, 25-IX-2002 (PP), det. (MFVC); Olaia, 30-VII-2003 (PP).

Acrobasis porphyrella (Duponchel, 1836)

Madriz, 14-VIII-2002 (PP), det. (MFVC); Arzila, 18-IX-2002 (PP); Madriz, 19-VI-2003 (PP); Madriz, 27-VIII-2003 (PP); Madriz, 9-IX-2003 (PP).

Acrobasis consociella (Hübner, 1813)

Arzila, 14-VI-2002 (PP); Madriz and Olaia, frequent (13 records), May to June, August to September, all det. (MFVC).

**Trachycera advenella* (Zincken, 1818)

Arzila, 17-VII-2003 (PP), det. (MFVC).

Euzophera pinguis (Haworth, 1811)

Madriz, 23-IX-2004 (MFVC & PP).

Homoeosoma sinuellum (Fabricius, 1794)

Geria, 21-VII-2002 (PP); Arzila, 26-VII-2002 (PP), all det. (MFVC).

Phycitodes inquinatella (Ragonot, 1887)

Olaia, 30-VII-2003 (PP); Arzila, 14-VIII-2003 (PP); Arzila, 6-IX-2003 (PP); Madriz, 9-IX-2003 (PP); Madriz, 20-VIII-2004 (PP), all det. (MFVC); Madriz, 23-IX-2004 (MFVC & PP).

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- Plodia interpunctella* (Hübner, 1813)
Coimbra, 19-IX-2005 (PP), det. (MFVC).
- Ephestia parasitella* (Staudinger, 1859)
Geria, 1-VI-2001 (PP), det. (MFVC); Arzila, Coimbra, Madriz and Olaia, frequent (14 records), May to October.
- Ematheudes punctella* (Treitschke, 1833)
Arzila, 26-VII-2002 (PP), det. (MFVC); Olaia, 30-VII-2003 (PP); Arzila, 14-VIII-2003 (PP).
- Euchromius gozmanyi* (BDeszyński, 1961)
Arzila, 14-VIII-2003 (PP), det. (MFVC).
- Euchromius ocella* (Haworth, 1811)
Arzila, 11-II-2004 (PP), det. (MFVC).
- Chilo phragmitellus* (Hübner, 1805)
Arzila, 26-VII-2002 (PP); Arzila, 5-X-2002 (PP); Olaia, 30-VI-2003 (PP); Arzila, 6-IX-2003 (PP); Arzila, 30-VIII-2004 (PP), all det. (MFVC); Madriz, 23-IX-2004 (MFVC & PP); Arzila, 24-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (MFVC & PP).
- Calamotropha paludella* (Hübner, 1824)
Geria, 1-VI-2001 (PP); Olaia, Arzila, Madriz, frequent (10 records), May to October, all det. (MFVC).
- Chrysoteuchia culmella* (Linnaeus, 1758)
Geria, 18-VI-2001 (PP), det. (MFVC); Arzila, 14-VI-2002 (PP), det. (MFVC); Arzila, 26-VII-2002 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Arzila, 9-VI-2003 (PP); Madriz, 19-VI-2003 (PP); Olaia, 30-VII-2003 (PP); Arzila, 6-IX-2003 (PP); Arzila, 5-XI-2003 (PP).
- Angustalius malacellus* (Duponchel, 1836)
Arzila, 1-IX-2003 (PP), det. (MFVC); Madriz, 9-IX-2003 (PP); Arzila, 25-VIII-2004 (PP); Arzila, 23-IX-2004 (MFVC & PP).
- Agriphila latistria* (Haworth, 1811)
Madriz, 23-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (MFVC & PP).
- Agriphila geniculea* (Haworth, 1811)
Geria, 22-IX-2001 (PP), det. (MFVC); Madriz, 9-IX-2003 (PP), det. (MFVC); Olaia, 6-X-2003 (PP); Madriz, 23-IX-2004 (MFVC & PP); Arzila, 24-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (MFVC & PP).
- Catoptria staudingeri* (Zeller, 1863)
Geria, 22-IX-2001 (PP), det. (MFVC).
- Metacrambus carectellus* (Zeller, 1847)
Olaia, 30-VII-2003 (PP), det. (MFVC).
- Pediasia ribbeella* (Caradja, 1910)
Madriz, 21-VI-2002 (PP), det. (MFVC); Arzila, 22-V-2003 (MFVC, EM & PP); Olaia, 30-V-2003

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(PP); Madriz, 6-VI-2003 (PP); Arzila, 9-VI-2003 (PP); Olaia, 30-VII-2003 (PP); Arzila, 14-VIII-2003 (PP); Olaia, 20-VIII-2003 (PP); Arzila, 14-VIII-2004 (PP).

Hellula undalis (Fabricius, 1781)

Arzila, 14-VIII-2004 (PP), det. (MFVC); Coimbra, 27-VIII-2004 (PP); Madriz, 23-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (MFVC & PP).

Scoparia ambigualis (Treitschke, 1829)

Madriz, 26-IV-2002 (PP); Madriz, 20-VIII-2004 (PP), all det. (MFVC).

Eudonia lineola (Curtis, 1827)

Olaia, 30-V-2003 (PP), det. (MFVC).

Eudonia angustea (Curtis, 1827)

Olaia, 20-III-2000 (PP), det. (MFVC); Arzila, Geria, Coimbra and Taipal (Torre), frequent (14 records), February to May, September to December.

Eudonia delunella (Stainton, 1849)

Geria, 18-VI-2001 (PP), det. (MFVC); Arzila, 14-VI-2002 (PP), det. (MFVC); Madriz, 17-IV-2003 (PP); Olaia, 30-IV-2003 (PP); Arzila, 10-V-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Olaia, 30-V-2003 (PP); Olaia, 30-VI-2003 (PP).

Eudonia mercurella (Linnaeus, 1758)

Geria, 21-VII-2001 (PP), det. (MFVC); Arzila, Madriz and Olaia, frequent (14 records), June to September.

Evergestis isatidalis (Duponchel, 1833)

Olaia, 8-XI-2002 (PP); Olaia, 19-XI-2003 (PP).

Pyrausta aurata (Scopoli, 1763)

Olaia, 30-IX-2005 (MFVC & PP); Madriz, 6-VI-2003 (PP); Olaia, 30-VII-2003 (PP); Olaia, 20-VIII-2003 (PP).

Pyrausta sanguinalis (Linnaeus, 1767)

Arzila, 1-IX-2003 (PP).

Pyrausta despicata (Scopoli, 1763)

Arzila, 14-VIII-2003 (PP); Madriz, 23-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (MFVC & PP).

Uresiphita gilvata (Fabricius, 1794)

Olaia, 17-X-2002 (PP).

Ecpyrrhorhoe rubiginalis (Hübner, 1796)

Geria, 11-VIII-2001 (PP), det. (MFVC).

Ostrinia nubilalis (Hübner, 1796)

Arzila, 2-VI-2001 (PP); Madriz and Olaia, frequent (12 records), April to August.

Perinephela lancealis (Denis & Schiffermüller, 1775)

Madriz, 10-III-2002 (PP), det. (MFVC).

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Anania verbascalis (Denis & Schiffermüller, 1775)

Arzila, 26-VII-2002 (PP); Madriz, 23-VII-2003 (PP); Madriz, 20-VIII-2004 (PP).

Udea ferrugalis (Hübner, 1796)

Geria, 7-VII-2001 (PP), det. (MFVC); Madriz, Coimbra, Taipal, Arzila and Olaia, frequent (43 records), March to December.

Udea numeralis (Hübner, 1796)

Geria, 18-V-2001 (PP), det. (MFVC).

Mecyna asinalis (Hübner, 1819)

Madriz, 10-III-2002 (PP); Coimbra, Taipal, Arzila and Olaia, frequent (23 records), March to November.

Nomophila noctuella (Denis & Schiffermüller, 1775)

Geria, 1-VI-2001 (PP); Arzila, Madriz and Olaia, frequent (19 records), March and May to September.

Dolicharthria punctalis (Denis & Schiffermüller, 1775)

Arzila, 18-IX-2002 (PP); Olaia, 25-IX-2002 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Arzila, 14-VIII-2003 (PP); Olaia, 20-VIII-2003 (PP); Madriz, 27-VIII-2003 (PP); Madriz, 23-IX-2004 (MFVC & PP); Arzila, 24-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (MFVC & PP).

Duponchelia fovealis (Zeller, 1847)

Olaia, 30-IX-2005 (MFVC & PP).

Antigastra catalaunalis (Duponchel, 1833)

Arzila, 24-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (MFVC & PP).

Diasemiopsis ramburialis (Duponchel, 1834)

Olaia, 29-V-2002 (PP); Madriz and Arzila, frequent (13 records), May to September.

Metasia cuencalis (Ragonot, 1894)

Madriz, 21-VI-2002 (PP), det. (MFVC); Olaia, 20-VIII-2003 (PP).

Pleuroptya ruralis (Scopoli, 1763)

Madriz, 23-IX-2004 (MFVC & PP).

Palpita unionalis (Hübner, 1796)

Geria, 11-VIII-2001 (PP); Olaia, Figueira da Foz, Madriz and Arzila, frequent (29 records), March to October.

Agrotera nemoralis (Scopoli, 1763)

Madriz, 14-VIII-2002 (PP), det. (MFVC); Olaia, 30-VI-2003 (PP); Arzila, 17-VII-2003 (PP); Olaia, 30-VII-2003 (PP); Olaia, 20-VIII-2003 (PP); Arzila, 6-IX-2003 (PP).

Pterophoridae

Emmelina monodactyla (Linnaeus, 1758)

Geria, 21-VII-2001 (PP), det. (MFVC); Arzila, 22-V-2003 (MFVC, EM & PP); Madriz, 19-VI-

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2003 (PP); Olaia, 30-VI-2003 (PP); Madriz, 27-VIII-2003 (PP); Olaia, 6-X-2003 (PP); Arzila, 14-VIII-2004 (PP); Arzila, 30-VIII-2004 (PP); Olaia, 30-IX-2005 (MFVC & PP).

Hellinsia inulae (Zeller, 1852)

Olaia, 30-VII-2003 (PP); Madriz, 29-IV-2004 (PP), all det. (MFVC).

Stangeia siceliota (Zeller, 1847)

Madriz, 19-V-2003 (PP); Madriz, 23-VII-2003 (PP), all det. (MFVC).

Crombrugghia laetus (Zeller, 1847)

Arzila, (17, 21)-VII-2003 (PP); Madriz, 23-VII-2003 (PP); Arzila, 11-VIII-2003 (PP), all det. (MFVC); Madriz, 23-IX-2004 (MFVC & PP).

Amblyptilia acanthadactyla (Hübner, 1813)

Geria, 18-VI-2001 (PP); Geria, 21-VII-2001 (PP); Madriz, 19-V-2003 (PP); Olaia, 30-V-2003 (PP); Arzila, 17-VII-2003 (PP), all det. (MFVC).

Hesperiidae

Thymelicus acteon (Rottemburg, 1927)

Arzila, 24-VI-1999 (PP); Arzila, 29-VII-2000 (PP); Geria, 11-VIII-2001 (PP); Geria, 3-VIII-2002 (PP); Arzila, 20-VII-2003 (PP); Arzila, 11-VIII-2003 (PP); Arzila, 18-V-2004 (PP).

Ochlodes sylvanus (Esper, 1777)

Geria, 13-IV-2001 (PP); Arzila, Olaia and Madriz, frequent (12 records), April to June and August to September.

Carcharodus alceae (Esper, 1780)

Olaia, 19-VI-1999 (PP); Arzila, Geria, Coimbra, and Madriz, frequent (12 records), May to September.

Pyrgus onopordi (Rambur, 1840)

Arzila, 24-VI-1999 (PP); Arzila, 10-VIII-2002 (PP); Arzila, 20-VII-2003 (PP); Arzila, 11-VIII-2003 (PP); Arzila, 18-V-2004 (PP).

Papilionidae

Papilio machaon (Linnaeus, 1758)

Coimbra, 6-V-1998 (PP); larva Arzila, 12-V-2004 (PP); Taipal (Torre), Figueira da Foz, Olaia and Geria, frequent (28 records), February to October.

Iphiclides feisthamelii (Duponchel, 1832)

Coimbra, 14-VII-1998 (PP); Arzila, Geria, Taveiro, Olaia and Taipal (Torre), frequent (28 records), December to April, June to September.

Zerynthia rumina (Linnaeus, 1758)

Olaia, 20-III-2000 (PP); Arzila, 9-IV-2003 (PP).

Pieridae

Leptidea sinapis (Linnaeus, 1758)

Coimbra, 11-IV-1999 (PP); Arzila, 24-VI-1999 (PP); Olaia, 20-III-2000 (PP); Madriz, 17-IV-2003 (PP); Madriz, 6-VI-2003 (PP).

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Colias crocea (Fourcroy, 1785)

Coimbra, 30-III-1998 (PP); Arzila, Figueira da Foz, Olaia, Geria, Madriz and Taipal (Torre), frequent (59 records), January to November.

Gonepteryx rhamni (Linnaeus, 1758)

Coimbra, 9-VIII-1998 (PP); Arzila, Olaia, Geria, Madriz and Taipal (Torre), frequent (27 records), January to August and October.

Gonepteryx cleopatra (Linnaeus, 1767)

Coimbra, 18-VIII-1998 (PP); Coimbra, 30-VII-1999 (PP); Arzila, 5-II-2000 (PP); Olaia, 20-III-2000 (PP); Olaia, 4-II-2001 (PP); Geria, 30-VI-2002 (PP); Coimbra, 16-VI-2003 (PP); Arzila, 26-VI-2004 (PP); Coimbra, 26-VI-2005 (PP).

Anthocharis cardamines (Linnaeus, 1758)

Olaia, 20-III-2000 (PP); Geria, 29-IV-2001 (PP); Madriz, 17-IV-2003 (PP).

Pieris brassicae (Linnaeus, 1758)

Coimbra, 24-V-1998 (PP); larva Coimbra, 9-I-2000 (PP); larva Coimbra, 10-II-2000 (PP); cocoon Coimbra, 10-III-2000 (PP); larva Coimbra, 6-V-2000 (PP); Arzila, Olaia, Geria and Taipal (Torre), frequent (58 records), January to November.

Pieris rapae (Linnaeus, 1758)

Coimbra, 24-V-1998 (PP); (larva and cocoon) Coimbra, 10-III-2000 (PP); Arzila, Olaia, Madriz, Figueira da Foz, Geria and Taipal (Torre), frequent (75 records), January to December.

Pieris napi (Linnaeus, 1758)

Geria, 20-IV-1998 (PP); Coimbra, Arzila, Olaia and Madriz, frequent (37 records), January to November.

Pontia daplidice (Linnaeus, 1758)

Coimbra, 10-VII-1998 (PP); Coimbra, 9-VII-1999 (PP); Coimbra, 16-VI-2000 (PP).

Nymphalidae

Vanessa atalanta (Linnaeus, 1758)

Olaia, 1-II-1998 (PP); Coimbra, Arzila, Geria and Taipal (Torre), frequent (66 records), January to November.

Vanessa virginiensis (Drury, 1773)

Coimbra, 8-III-1998 (PP); Arzila, Geria and Olaia, frequent (11 records), March to June, August and October.

Vanessa cardui (Linnaeus, 1758)

Geria, 11-VI-1998 (PP); Arzila, Taveiro, Figueira da Foz, Coimbra and Olaia, frequent (22 records), March to November.

Polygonia c-album (Linnaeus, 1758)

Coimbra, 10-III-1999 (PP); Arzila, Geria, Olaia and Madriz, frequent (11 records), March, May and July to October.

Argynnis pandora (Denis & Schiffermüller, 1775)

Coimbra, 4-IX-1999 (PP); Coimbra, 10-VIII-2005 (PP).

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Euphydryas aurinia (Rottemburg, 1775)Arzila, 10-V-2003 (PP); (L on *Lonicera*) Arzila, 4-II-2004 (PP).*Charaxes jasius* (Linnaeus, 1767)Coimbra, 20-IX-1998 (PP); Coimbra, 21-X-1998 (PP); Taipal, 19-VI-1999 (PP); Arzila, 18-IX-2003 (PP); (L on *Arbutus unedo*) Arzila, 4-II-2004 (PP); Geria, 21-VIII-2004 (PP); (Eggs on *Arbutus unedo*) Arzila, 4-IX-2004 (PP); (Eggs on *Arbutus unedo*) Arzila, 23-IX-2004 (MFVC & PP); Coimbra, 7-IX-2004 (PP).*Pararge aegeria* (Linnaeus, 1758)

Coimbra, 30-III-1998 (PP); Olaia, Figueira da Foz, Arzila, Madriz, Geria and Taipal (and Torre), frequent (99 records), January to December.

Lasiommata megera (Linnaeus, 1767)

Olaia, 19-VI-1999 (PP); Arzila, Coimbra, Geria, Madriz and Taipal (Torre), frequent (18 records), February to April, June to October.

Coenonympha pamphilus (Linnaeus, 1758)

Arzila, 21-VII-2003 (PP).

Maniola jurtina (Linnaeus, 1758)

Olaia, 19-VI-1999 (PP); Arzila, Geria, Coimbra, Madriz, Taveiro and Taipal (and Torre), frequent (37 records), April to October.

Pyronia tithonus (Linnaeus, 1767)

Arzila, 24-VI-1999 (PP); Geria and Madriz, frequent (13 records), June to September.

Pyronia bathseba (Fabricius, 1793)

Arzila, 1-VI-2003 (PP); Arzila, 18-V-2004 (PP).

Pyronia cecilia (Vallantin, 1894)

Figueira da Foz, 21-VI-1998 (PP); Olaia, Arzila, Taipal (and Torre) and Madriz, frequent (20 records), June to September.

Melanargia lachesis (Hübner, 1790)

Arzila, 24-VI-1999 (PP).

Lycaenidae

Satyrrium esculi (Hübner, 1804)

Arzila, 24-VI-1999 (PP); Arzila, 1-VI-2003 (PP); Madriz, 6-VI-2003 (PP).

Callophrys rubi (Linnaeus, 1758)

Olaia and Madriz, 20-III-2000 (PP); Arzila, 9-IV-2003 (PP); Madriz, 17-IV-2003 (PP); Taipal (Torre), 7-III-2004 (PP); Arzila, 13-III-2004 (PP).

Lycaena phlaeas (Fabricius, 1761)

Coimbra, 24-V-1998 (PP); Arzila, Geria, Olaia, Madriz and Taipal (Torre), frequent (28 records), January to November.

Lampides boeticus (Linnaeus, 1767)

Arzila, 10-X-1998 (PP); Olaia, Geria, Coimbra and Madriz, frequent (22 records), May to October.

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Cacyreus marshalli (Butler, 1898)

Coimbra, 2-VIII-1999 (PP); Olaia, Coimbra, frequent (47 records), December to January, March and June to October; larva on *Pelargonium* in September, December, January and February.

Leptotes pirthous (Linnaeus, 1767)

Coimbra, 24-V-1998 (PP); Arzila, Geria, Olaia and Madriz, frequent (32 records), March and May to November.

Zizeeria knysna (Trimen, 1862)

Geria, 12-IX-1998 (PP); Arzila and Coimbra, frequent (18 records), June to November.

Celastrina argiolus (Linnaeus, 1758)

Arzila, 10-X-1998 (PP); Coimbra, Geria, Olaia, Madriz, Taipal (Torre), frequent (14 records), February to August and October.

Glaucopsyche melanops (Boisduval, 1828)

Madriz, 20-III-2000 (PP).

Arícia cramera (Eschscholtz, 1775)

Arzila, 24-IX-1999 (PP); Geria, 3-VIII-2002 (PP); Arzila, 20-VII-2003 (PP); Arzila, (larva on *Lotus*) 17-III-2004 (PP); Arzila, 18-V-2004 (PP); Arzila, 4-IX-2004 (PP).

Polyommatus bellargus (Rottemburg, 1775)

Arzila, 20-VII-2003 (PP); frequent (12 records from one colony threatened by *Eucalyptus* plantation), May and July to October.

Polyommatus icarus (Rottemburg, 1775)

Olaia, 4-II-2001 (PP); Arzila, Madriz, Geria, Taipal (and Torre) and Coimbra, frequent (22 records), February, April and June to September.

Drepanidae

Drepana curvatula (Borkhausen, 1790)

Madriz, 26-IV-2002 (PP); Arzila and Olaia, frequent (10 records), March to April, June and August to October.

Cilix hispanica (Pérez De-Gregorio *et al.*, 2002)

Arzila, 24-II-2002 (PP), det. (MFVC); Madriz, Taipal (Torre) and Olaia, frequent (19 records), February to October.

Watsonalla uncinula (Borkhausen, 1790)

Madriz, 10-III-2002 (PP); Arzila and Olaia, frequent (30 records), February to December.

Thyatira batis (Linnaeus, 1758)

Coimbra, 26-VI-1998 (PP); Madriz, Arzila and Olaia, frequent (23 records), February to June and September to October.

Habrosyne pyritoides (Hübner, 1821)

Arzila, 30-VIII-2004 (PP).

Tethea ocularis (Linnaeus, 1767)

Olaia, 10-IV-2002 (PP); Arzila, 26-VII-2002 (PP); Madriz, 30-III-2003 (PP).

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Geometridae

Abraxas pantaria (Linnaeus, 1767)

Geria, 30-V-2002 (PP); Olaia, 20-VIII-2003 (PP); Arzila, 6-IX-2003 (PP); Arzila, 13-14-VIII-2004 (PP).

Stegania trimaculata (Villers, 1789)

Geria, 12-IV-2001 (PP); Madriz, Coimbra, Arzila and Olaia, frequent (25 records), March to April and June to September.

Bichroma famula (Esper, 1787)

Arzila, 13-IV-2001 (PP).

Rhoptria asperaria (Hübner, 1817)

Madriz, 10-III-2002 (PP); Arzila and Olaia, frequent (32 records), February to December.

Menophra abruptaria (Thunberg, 1792)

Coimbra, 21-VIII-1998 (PP); Arzila, Geria, Taipal (Torre), Madriz and Olaia, frequent (58 records), February to December.

Menophra japygiaria (Costa, 1849)

Olaia, 4-IV-2003 (PP); Olaia, 30-VI-2003 (PP).

Peribatodes rhomboidarius (Denis & Schiffermüller, 1775)

Geria, 18-VI-2001 (PP); Arzila, Madriz and Olaia, frequent (30 records), April to June and August to early November.

Peribatodes ilicaria (Geyer, 1833)

Arzila, 14-VI-2002 (PP); Madriz, 21-VI-2002 (PP); Madriz, 28-IX-2002 (PP); Olaia, 17-X-2002 (PP); Arzila, 19-IV-2003 (PP); Olaia, 6-X-2003 (PP); Arzila, 12-V-2004 (PP); Olaia, 30-IX-2005 (MFVC & PP).

Hypomecis punctinalis (Scopoli, 1763)

Olaia, 10-IV-2002 (PP); Madriz and Arzila, frequent (28 records), April to August.

Ematurga atomaria (Linnaeus, 1758)

Arzila, 17-IV-1999 (PP); Madriz and Taipal (Torre), frequent (12 records), March to April, June and August.

Tephronia sepiaria (Hufnagel, 1767)

Arzila, 14-VI-2002 (PP); Madriz, 21-VI-2002 (PP); Madriz, 14-VIII-2002 (PP); Arzila, 18-IX-2002 (PP); Madriz, 19-VI-2003 (PP); Madriz, 23-VII-2003 (PP); Olaia, 20-VIII-2003 (PP); Taipal (Torre), 7-IV-2004 (PP); Olaia, 30-IX-2005 (MFVC & PP).

Lycia hirtaria (Clerck, 1759)

Arzila, 3-III-2000 (PP); Olaia, 10-IV-2002 (PP); Olaia, (4,30)-IV-2003 (PP).

Biston stratarius (Hufnagel, 1767)

Olaia, 23-II-2003 (PP); Madriz, 28-II-2003 (PP); Arzila, 12-III-2003 (PP); Arzila, 11-II-2004 (PP).

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Chemerina caliginearia (Rambur, 1833)
Madriz, 28-II-2003 (PP).

Agriopis marginaria (Fabricius, 1776)
Arzila, 24-II-2002 (PP); Madriz, 28-II-2003 (PP).

Cabera pusaria (Linnaeus, 1758)
Olaia, 14-III-2003 (PP); Olaia, (4,30)-IV-2003 (PP); Olaia, 30-V-2003 (PP); Madriz, 19-VI-2003 (PP); Olaia, 20-VIII-2003 (PP); Madriz, 23-IX-2004 (MFVC & PP).

Cabera exanthemata (Scopoli, 1763)
Geria, 11-VIII-2001 (PP); Arzila, Madriz and Olaia, frequent (18 records), March to September.

Aleucis distinctata (Herrich-Schäffer, 1839)
Arzila, 24-II-2002 (PP); Arzila, 5-III-2002 (PP); Arzila, (12, 20)-III-2003 (PP); Arzila, 24-III-2004 (PP); Arzila, 3-IV-2004 (M & PP); Taipal (Torre), 7-IV-2004 (PP).

Petrophora chlorosata (Scopoli, 1763)
Madriz, 30-III-2000 (PP); Madriz, 10-III-2002 (PP); Madriz, 26-IV-2002 (PP); Madriz, (18, 30)-III-2003 (PP); Madriz, 17-IV-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Arzila, 24-III-2004 (PP); Arzila, 3-IV-2004 (M & PP).

Pachycnemia hippocastanaria (Hübner, 1799)
Madriz, 10-III-2002 (PP); Arzila and Olaia, frequent (34 records), February to December.

Pachycnemia tibiaria (Rambur, 1829)
Madriz, 1-XI-2002 (PP); Madriz, 17-X-2003 (PP); Arzila, 21-X-2003 (PP); Madriz, 23-IX-2004 (MFVC & PP).

Opisthograptis luteolata (Linnaeus, 1758)
Arzila, 19-IV-2002 (PP); Olaia, 12-VII-2002 (PP); Arzila, 26-VII-2002 (PP); Olaia, 25-IX-2002 (PP); Olaia, 30-IV-2003 (PP); Olaia, 6-X-2003 (PP); Arzila, 12-V-2004 (PP); Olaia, 30-IX-2005 (MFVC & PP).

Ennomos alniaria (Linnaeus, 1758)
Arzila, 26-VII-2002 (PP); Olaia, 30-VII-2003 (PP); Olaia, 6-X-2003 (PP); Olaia, 19-XI-2003 (PP).

Ennomos fuscantaria (Haworth, 1809)
Olaia, 20-VIII-2003 (PP); Olaia, 30-IX-2005 (MFVC & PP).

Ennomos erosaria (Denis & Schiffermüller, 1775)
Olaia, 30-V-2003 (PP); Arzila, 9-VI-2003 (PP); Madriz, 27-VIII-2003 (PP); Madriz, 9-IX-2003 (PP).

Selenia dentaria (Fabricius, 1775)
Madriz, 10-III-2002 (PP); Arzila, 14-II-2003 (PP); Madriz, 28-II-2003 (PP); Arzila, 12-III-2003 (PP); Madriz, 27-VIII-2003 (PP); Arzila, 6-IX-2003 (PP); Arzila, 3-IV-2004 (M & PP).

Crocallis dardoinaria (Donzel, 1840)
Arzila, 18-IX-2002 (PP); Arzila, 23-X-2002 (PP); Madriz, 1-XI-2002 (PP); Arzila, 10-V-2003 (PP); Madriz, 17-X-2003 (PP); Arzila, 21-X-2003 (PP); Arzila, 5-XI-2003 (PP); Olaia, 19-XI-2003 (PP).

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Aspitates ochrearia (Rossi, 1794)

Arzila, 26-V-2001 (PP); Olaia, 29-V-2002 (PP); Arzila, 14-VI-2002 (PP); Arzila, 9-IV-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Madriz, 23-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (MFVC & PP).

Pseudoterpna coronillaria (Hübner, 1817)

Arzila, 14-VI-2002 (PP); Madriz, frequent (20 records), April to October.

Comibaena bajularia (Denis & Schiffermüller, 1775)

Arzila, 14-VI-2002 (PP); Madriz, 21-VI-2002 (PP); Madriz, 19-V-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Arzila, 12-V-2004 (PP).

Hemithea aestivaria (Hübner, 1789)

Arzila, 14-VI-2002 (PP); Madriz, 21-VI-2002 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Olaia, 30-V-2003 (PP); Arzila, 9-VI-2003 (PP).

Hemistola chrysoprasaria (Esper, 1795)

Arzila, 19-IV-2002 (PP).

Jodis lactearia (Linnaeus, 1758) Arzila, 9-IV-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Arzila, 17-VII-2003 (PP); Olaia, 30-VII-2003 (PP).

Idaea macilentaria (Herrich-schäffer, 1847)

Geria, 11-VIII-2001 (PP); Madriz, 19-V-2003 (PP), all det. (MFVC).

Idaea ochrata (Scopoli, 1763)

Geria, 7-VII-2001 (PP), det. (MFVC); Geria, 29-VI-2002 (PP); Olaia, 12-VII-2002 (PP), det. (MFVC); Madriz, 19-VI-2003 (PP).

Idaea circuitaria (Hübner, 1819)

Arzila, 25-VIII-2004 (PP), det. (MFVC).

Idaea calumetaria (Staudinger, 1859)

Madriz, 19-VI-2003 (PP), det. (MFVC); Olaia, 20-VIII-2003 (PP); Madriz, 27-VIII-2003 (PP); Madriz, 23-IX-2004 (MFVC & PP).

Idaea belemiata (Millière, 1868)

Olaia, 30-V-2003 (PP), det. (MFVC).

Idaea elongaria (Rambur, 1833)

Geria, 11-VIII-2001 (PP), det. (MFVC); Madriz, 9-IX-2003 (PP), det. (MFVC); Olaia 19-XI-2003 (PP).

Idaea biselata (Hufnagel, 1767)

Geria, 1-VI-2001 (PP); Madriz, Olaia and Arzila, frequent (21 records), April to June and September to October.

Idaea bigladiata (Herbulot, 1975)

Olaia, 30-VI-2003 (PP), det. (MFVC).

Idaea minuscularia (Ribbe, 1912)

Arzila, 19-IV-2002 (PP), det. (MFVC); Arzila, 21-X-2003 (PP); Arzila, 5-XI-2003 (PP); Arzila, 12-V-2004 (PP).

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- Idaea dimidiata* (Hufnagel, 1767)
Olaia, 29-V-2002 (PP), det. (MFVC); Arzila, 17-VII-2003 (PP).
- Idaea subsaturata* (Guenée, 1858)
Arzila, 17-VII-2003 (PP), det. (MFVC).
- Idaea subsericeata* (Haworth, 1809)
Olaia, 10-IV-2002 (PP), det. (MFVC); Madriz and Arzila, frequent (15 records), April to September.
- Idaea rhodogrammaria* (Püngeler, 1913)
Madriz, 23-VII-2003 (PP), det. (MFVC).
- Idaea infirmaria* (Rambur, 1833)
Arzila, 26-VII-2002 (PP), det. (MFVC); Madriz, 23-VII-2003 (PP).
- Idaea eugeniata* (Millière, 1870)
Madriz, 10-III-2002 (PP); Olaia and Arzila, frequent (31 records), March to November.
- Idaea ostrinaria* (Hübner, 1813)
Arzila, 14-VI-2002 (PP), det. (MFVC); Olaia, 12-VII-2002 (PP); Madriz, 19-VI-2003 (PP).
- Idaea aversata* (Linnaeus, 1758)
Geria, 1-VI-2001 (PP), det. (MFVC); Olaia, Madriz and Arzila, frequent (18 records), May to September.
- Idaea degeneraria* (Hübner, 1799)
Madriz, 26-IV-2002 (PP); Olaia and Arzila, frequent (22 records), April to September.
- Cyclophora pupillaria* (Hübner, 1799)
Geria, 1-VI-2001 (PP); Madriz, Coimbra, Olaia and Arzila, frequent (19 records), February to April, June to September and December.
- Cyclophora hyponoea* (Prout, 1935)
Arzila, 5-III-2002 (PP); Olaia and Madriz, frequent (14 records), March to April and August to October.
- Cyclophora punctaria* (Linnaeus, 1758)
Arzila, 19-IV-2002 (PP), det. (MFVC); Arzila, 14-VIII-2003 (PP).
- Timandra comae* (A. Schmidt, 1931)
Geria, 1-VI-2001 (PP); Madriz, Olaia and Arzila, frequent (16 records), February to March and June to October.
- Scopula ornata* (Scopoli, 1763)
Olaia, 25-IV-2004 (PP).
- Scopula imitaria* (Hübner, 1799)
Arzila, 18-IX-2002 (PP); Coimbra, Olaia and Madriz, frequent (10 records), May and July to September.

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Scopula emutaria (Hübner, 1809)

Arzila, 26-VII-2002 (PP); Arzila, 5-X-2002 (PP); Olaia, 30-VI-2003 (PP); Madriz, 27-VIII-2003 (PP); Madriz, 29-IV-2004 (PP).

Scopula minorata (Boisduval, 1833)

Madriz, 17-IV-2003 (PP); Olaia, 6-X-2003 (PP); Olaia, 30-IX-2005 (MFVC & PP).

Rhodostrophia calabra (Petagna, 1786)

Arzila, 14-VI-2002 (PP); Madriz, 19-V-2003 (PP); Madriz, 19-VI-2003 (PP); Arzila, 17-VII-2003 (PP); Arzila, 18-V-2004 (PP).

Rhometra sacraria (Linnaeus, 1767)

Arzila, 10-X-1998 (PP); Olaia, Geria, Coimbra and Madriz, frequent (29 records), June to November.

Scotopteryx peribolata (Hübner, 1817)

Madriz, 17-X-2003 (PP).

**Scotopteryx luridata* (Hufnagel, 1767)

Arzila, 14-VI-2002 (PP); Madriz, 21-VI-2002 (PP); Madriz, 17-IV-2003 (PP); Arzila, 10-V-2003 (PP); Madriz, 19-V-2003 (PP); Madriz, 9-IX-2003 (PP); Madriz, 29-IV-2004 (PP), all det. (MFVC); Madriz, 23-IX-2004 (MFVC & PP).

Orthonama obstipata (Fabricius, 1794)

Madriz, 1-XI-2002 (PP); Madriz, 30-III-2003 (PP); Olaia, 30-IV-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Olaia, 19-XI-2003 (PP); Arzila, 3-IV-2004 (M & PP); Taipal (Torre), 7-IV-2004 (PP); Madriz, 29-IV-2004 (PP); Olaia, 30-IX-2005 (MFVC & PP).

Xanthorhoe ferrugata (Clerck, 1759)

Madriz, 10-III-2002 (PP); Olaia and Arzila, frequent (12 records), February to September.

Xanthorhoe fluctuata (Linnaeus, 1758)

Coimbra, 18-VIII-1998 (PP); Coimbra, 13-X-2001 (PP); Olaia, 25-IX-2002 (PP); Olaia, 4-IV-2003 (PP); Arzila, 3-IV-2004 (M & PP); Taipal (Torre), 7-IV-2004 (PP); Olaia, 30-IX-2005 (MFVC & PP).

Catarhoe basochesiata (Duponchel, 1831)

Arzila, 23-II-2002 (PP); Taipal (Torre), Olaia and Madriz, frequent (21 records), February to April and September to December.

Epirrhoe alternata (Müller, 1764)

Arzila, 22-V-2003 (MFVC, EM & PP); Coimbra, 23-IV-2004 (PP); Arzila, 12-V-2004 (PP).

Costaconvexa polygrammata (Borkhausen, 1794)

Arzila, 5-III-2002 (PP); Olaia and Madriz, frequent (17 records), March to June, August and October to December.

Camptogramma bilineatum (Linnaeus, 1758)

Geria, 4-VII-2002 (PP); Arzila, 14-VIII-2003 (PP).

Chloroclysta siterata (Hufnagel, 1767)

Coimbra, 25-XI-2000 (PP); Arzila, 19-IV-2002 (PP); Arzila, 9-IV-2003 (PP); Olaia, 30-IV-2003 (PP).

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- Perizoma flavofasciatum* (Thunberg, 1792)
Madriz, 10-III-2002 (PP); Olaia, 10-IV-2002 (PP); Arzila, 19-IV-2002 (PP); Arzila, 19-IV-2003 (PP).
- Eupithecia pulchellata* (Stephens, 1831)
Geria, 1-VI-2001 (PP); Olaia, Madriz and Arzila, frequent (17 records), March to June.
- Eupithecia laquaearia* (Herrich-Schäffer, 1848)
Taipal (Torre), 7-IV-2004 (PP), det. (MFVC).
- Eupithecia centaureata* (Denis & Schiffermüller, 1775)
Geria, 1-VI-2001 (PP); Olaia, 25-IX-2002 (PP); Taipal (Torre), 7-IV-2004 (PP); Arzila, 12-V-2004 (PP); Olaia, 30-IX-2005 (MFVC & PP).
- Eupithecia breviculata* (Donzel, 1837)
Geria, 1-VI-2001 (PP).
- Eupithecia vulgata* (Haworth, 1809)
Arzila, 24-III-2004 (PP), det. (MFVC).
- Eupithecia abbreviata* (Stephens, 1831)
Madriz, 10-III-2002 (PP), det. (MFVC); Arzila, 12-III-2003 (PP); Arzila, 24-III-2004 (PP).
- Eupithecia dodoneata* (Guenée, 1857)
Madriz, 10-III-2002 (PP); Taipal (Torre), Olaia and Arzila, frequent (15 records), February to May.
- Eupithecia massiliata* (Millière, 1865)
Arzila, 11-II-2004 (PP), det. (MFVC).
- Eupithecia scopariata* (Rambur, 1833)
Madriz, 21-VI-2002 (PP), det. (MFVC).
- Gymnoscelis rufifasciata* (Haworth, 1809)
Geria, 1-VI-2001 (PP); Arzila, Coimbra, Olaia and Madriz, frequent (41 records), February to December.
- Pasiphila rectangulata* (Linnaeus, 1758)
Arzila, 22-V-2003 (MFVC, EM & PP).
- Chloroclystis v-ata* (Haworth, 1809)
Geria, 11-VIII-2001 (PP); Arzila, 12-III-2003 (PP); Madriz, 17-IV-2003 (PP); Arzila, 10-V-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Arzila, 12-V-2004 (PP).
- Chesias legatella* (Denis & Schiffermüller, 1775)
Olaia, 8-XI-2002 (PP).
- Chesias isabella* (Schawerda, 1915)
Madriz, 10-III-2002 (PP); Arzila, frequent (15 records), February to June.
- Aplocera efformata* (Guenée, 1857)
Madriz, 10-III-2002 (PP); Olaia, 10-IV-2002 (PP); Arzila, 19-IV-2002 (PP); Madriz, 1-XI-2002 (PP).

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Lasiocampidae

Lasiocampa quercus (Linnaeus, 1758)Coimbra, 3-VIII-1998 (PP); (larva on *Arbutus unedo*) Arzila, 4-II-2004 (PP); Olaia and Madriz, frequent (17 records), July to October.*Lasiocampa trifolii* (Denis & Schiffermüller, 1775)

Arzila, 24-IX-2004 (MFVC & PP).

Macrothylacia digramma (Meade-Waldo, 1905)

Arzila, (9,19)-IV-2003 (PP); Madriz, 17-IV-2003 (PP); Madriz, 29-IV-2004 (PP).

Phyllodesma suberifolia (Duponchel, 1842)

Madriz, 30-III-2003 (PP).

Psilogaster loti (Ochsenheimer, 1810)

Madriz, 23-IX-2004 (MFVC & PP).

Sphingidae

Marumba quercus (Denis & Schiffermüller, 1775)

Arzila, 14-VI-2002 (PP); Arzila, 10-V-2003 (PP).

Smerinthus ocellatus (Linnaeus, 1758)

Arzila, 26-VII-2002 (PP); Madriz, 14-VIII-2002 (PP); Arzila, 10-V-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Madriz, 19-VI-2003 (PP); Arzila, 17-VII-2003 (PP); Arzila, 14-VIII-2003 (PP); Arzila, 14-VIII-2004 (PP).

Laothoe populi (Linnaeus, 1758)

Coimbra, 29-VII-1998 (PP); Madriz, Arzila and Olaia, frequent (10 records), March and June to September.

Hemaris fuciformis (Linnaeus, 1758)

Arzila, 10-V-2003 (PP); Arzila, 20-VII-2003 (PP).

Proserpinus proserpina (Pallas, 1772)

Madriz, 21-VI-2002 (PP).

Macroglossum stellatarum (Linnaeus, 1758)

Coimbra, 5-VIII-1998 (PP); Coimbra, 10-X-1998 (PP); Coimbra, 28-II-1999 (PP); Coimbra, 30-VII-1999 (PP); Coimbra, 24-II-2000 (PP); Arzila, 29-VII-2000 (PP).

Deilephila elpenor (Linnaeus, 1758)

Madriz, 21-VI-2002 (PP); Olaia and Arzila, frequent (13 records), April to August.

Notodontidae

Phalera bucephala (Linnaeus, 1758)

Geria, 11-VIII-2001 (PP); Arzila, Olaia and Madriz, frequent (13 records), May to September.

Cerura iberica (Templado & Ortiz, 1966)

Olaia, 30-V-2003 (PP).

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Furcula bifida (Brahm, 1787)

Arzila, 22-V-2003 (MFVC, EM & PP).

Stauropus fagi (Linnaeus, 1758)

Arzila, 12-III-2003 (PP); Arzila, 10-V-2003 (PP); Madriz, 19-VI-2003 (PP).

Peridea anceps (Goeze, 1781)

Olaia, 10-IV-2002 (PP); Arzila, 12-III-2003 (PP); Arzila, 9-IV-2003 (PP); Madriz, 17-IV-2003 (PP); Olaia, 30-IV-2003 (PP); Arzila, 24-III-2004 (PP); Taipal (Torre), 7-IV-2004 (PP).

Notodonta ziczac (Linnaeus, 1758)

Madriz, 10-III-2002 (PP); Olaia, 20-VIII-2003 (PP); Madriz, 27-VIII-2003 (PP); Olaia, 30-IX-2005 (MFVC & PP).

Drymonia querna (Denis & Schiffermüller, 1775)

Arzila, 14-VI-2002 (PP); Arzila, 18-IX-2002 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Arzila, 25-VIII-2004 (PP).

Harpyia milhauseri (Fabricius, 1775)

Madriz, 26-IV-2002 (PP); Madriz, 17-IV-2003 (PP); Madriz, 29-IV-2004 (PP).

Pterostoma palpina (Clerck, 1759)

Geria, 21-VII-2001 (PP); Olaia, Arzila and Madriz, frequent (20 records), March to September.

Thaumetopoeidae

Thaumetopoea pityocampa (Denis & Schiffermüller, 1775)

Olaia, 30-VII-2003 (PP); Madriz, 27-VIII-2003 (PP); Madriz, 9-IX-2003 (PP); Arzila, (13, 14)-VIII-2004 (PP); Madriz, 20-VIII-2004 (PP).

Lymantriidae

Calliteara pudibunda (Linnaeus, 1758)

Arzila, 19-IV-2002 (PP); Madriz, 30-III-2003 (PP); Arzila, (9,19)-IV-2003 (PP); Arzila, 10-V-2003 (PP); Madriz, 29-IV-2004 (PP); Arzila, 12-V-2004 (PP); Coimbra, 16-V-2004 (PP).

Orgyia antiqua (Linnaeus, 1758)

Geria, 22-IX-2001 (PP); Geria, 1-XI-2001 (PP); Olaia, 30-VI-2003 (PP).

Lymantria dispar (Linnaeus, 1758)

Geria, 21-VII-2001 (PP); Arzila, Madriz and Coimbra, frequent (10 records), July to September.

Ocneria rubea (Denis & Schiffermüller, 1775)

Arzila, 14-VI-2002 (PP); Arzila, 18-IX-2002 (PP); Arzila, 5-X-2002 (PP); (larva on *Arbutus unedo*) Arzila, 14-II-2003 (PP); Madriz, 19-VI-2003 (PP); Arzila, 24-IX-2004 (MFVC & PP).

Euproctis similis (Fuessly, 1775)

Madriz, 21-VI-2002 (PP); Olaia and Arzila, frequent (19 records), May to November.

Arctiidae

Paidia rica (Freyer, 1858)

Arzila, 26-VII-2002 (PP); Madriz, 17-X-2003 (PP); Arzila, 30-VIII-2004 (PP).

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Apaidia mesogona (Godart, 1824)

Arzila, 18-IX-2002 (PP); Madriz, 28-IX-2002 (PP); Arzila, 6-IX-2003 (PP); Madriz, 9-IX-2003 (PP); Madriz, 23-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (MFVC & PP).

Lithosia quadra (Linnaeus, 1758)

Olaia, 29-V-2002 (PP); Arzila and Madriz, frequent (14 records), May to June and August to November.

Eilema depressa (Esper, 1787)

Madriz, 26-IV-2002 (PP), det. (MFVC); Olaia and Arzila, frequent (24 records), April to November.

Eilema caniola (Hübner, 1808)

Geria, 11-VIII-2001 (PP), det. (MFVC); Madriz, Olaia and Arzila, frequent (14 records), May to October.

Eilema predotae (Schawerda, 1927)

Madriz, 9-IX-2003 (PP), det. (MFVC); Madriz, 23-IX-2004 (MFVC & PP).

Eilema sororcula (Hufnagel, 1766)

Arzila, 14-VI-2002 (PP), det. (MFVC); Arzila, 22-V-2003 (MFVC, EM & PP); Madriz, 23-VII-2003 (PP); Arzila, 3-IV-2004 (M & PP); Arzila, 12-V-2004 (PP).

Eilema rungsi (Toulgoët, 1960)

Madriz, 9-IX-2003 (PP); Arzila, 25-VIII-2004 (PP), all det. (MFVC).

Spiris striata (Linnaeus, 1758)

Madriz, 27-VIII-2003 (PP); Arzila, 4-IX-2004 (PP)

Coscinia cribraria (Linnaeus, 1758)

Arzila, 19-IV-2002 (PP); Madriz, frequent (20 records), May to October.

Phragmatobia fuliginosa (Linnaeus, 1758)

Arzila, 17-IV-1999 (PP); Coimbra, Olaia and Madriz, frequent (30 records), February to October.

Cymbalophora pudica (Esper, 1784)

Olaia, 25-IX-2002 (PP); Madriz, 28-IX-2002 (PP); Arzila, 5-X-2002 (PP); Madriz, 23-IX-2004 (MFVC & PP); Arzila, 24-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (MFVC & PP).

Spilosoma luteum (Hufnagel, 1766)

Madriz, 26-IV-2002 (PP); Olaia, 30-IV-2003 (PP); Arzila, 10-V-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Olaia, 30-V-2003 (PP); Madriz, 29-IV-2004 (PP); Arzila, 12-V-2004 (PP).

Spilosoma lubricipeda (Linnaeus, 1758)

Olaia, 10-IV-2002 (PP); Arzila and Madriz, frequent (16 records), March to April and June to September.

Diaphora mendica (Clerck, 1759)

Coimbra, 19-IV-2004 (PP).

Arctia villica (Linnaeus, 1758)

Madriz, 26-IV-2002 (PP); Arzila, 14-VI-2002 (PP); Arzila, 10-V-2003 (PP); Madriz, 19-V-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Arzila, 12-V-2004 (PP).

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Noctuidae

Nodaria nodosalis (Herrich-Schäffer, 1851)

Geria, 29-IX-2001 (PP); Olaia, Coimbra, Arzila and Madriz, frequent (14 records), May, July and September to October.

Pechipogo plumigeralis (Hübner, 1825)

Geria, 1-VI-2001 (PP); Olaia, Arzila and Madriz, frequent (14 records), May to October.

Herminia grisealis (Denis & Schiffermüller, 1775)

Olaia, 10-IV-2002 (PP); Arzila, 18-IX-2002 (PP); Olaia, 20-VIII-2003 (PP).

Rivula sericealis (Scopoli, 1763)

Olaia, 10-IV-2002 (PP); Madriz, frequent (11 records), April to September.

Schranksia costaestrigalis (Stephens, 1834)

Geria, 12-IV-2001 (PP); Arzila, Taipal (Torre), Olaia and Madriz, frequent (26 records), February to June and August to October.

Hypena proboscidalis (Linnaeus, 1758)

Geria, 7-VII-2001 (PP).

Hypena rostralis (Linnaeus, 1758)

Arzila, 3-III-2000 (PP); Arzila, 24-II-2002 (PP).

Hypena obsitalis (Hübner, 1813)

Madriz, 1-XI-2002 (PP); Coimbra, (8,9,17,25)-XI-2002 (PP); Olaia, 13-V-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP).

Hypena lividalis (Hübner, 1790)

Arzila, 25-VIII-2004 (PP).

Phytometra viridaria (Clerck, 1759)

Madriz, 19-VI-2003 (PP).

Scoliopteryx libatrix (Linnaeus, 1758)

Olaia, 30-IV-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Madriz, 23-VII-2003 (PP); Arzila, 8-VIII-2003 (PP); Coimbra, 22-III-2005 (PP).

Catocala elocata (Esper, 1787)

Olaia, 17-X-2002 (PP).

Catocala optata (Godart, 1824)

Arzila, 26-VII-2002 (PP); Olaia, 30-VII-2003 (PP); Madriz, 9-IX-2003 (PP); Olaia, 30-IX-2005 (MFVC & PP).

Minucia lunaris (Denis & Schiffermüller, 1775)

Madriz, 26-IV-2002 (PP); Arzila, 19-IV-2003 (PP); Arzila, 24-III-2004 (PP); Madriz, 29-IV-2004 (PP).

Dysgonia algira (Linnaeus, 1767)

Coimbra, 21-VIII-1998 (PP); Arzila, Geria, Olaia and Madriz, frequent (21 records), May to September.

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Grammodes bifasciata (Petagna, 1787)
Olaia, 30-IX-2005 (MFVC & PP).

Tyta luctuosa (Denis & Schiffermüller, 1775)
Geria, 11-VIII-2001 (PP); Arzila, 10-VIII-2002 (PP); Arzila, 21-VII-2003 (PP); Madriz, 23-VII-2003 (PP); Arzila, 14-VIII-2003 (PP); Olaia, 20-VIII-2003 (PP).

Lygephila cracca (Denis & Schiffermüller, 1775)
Arzila, 14-VI-2002 (PP).

Aedia leucomelas (Linnaeus, 1758)
Madriz, 23-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (MFVC & PP).

Euclidia glyphica (Linnaeus, 1758)
Arzila, 9-IV-2003 (PP); Madriz, 17-IV-2003 (PP).

Earias clorana (Linnaeus, 1761)
Arzila, 12-V-2004 (PP); Coimbra, 16-V-2004 (PP).

Earias vernana (Fabricius, 1787)
Madriz, 26-IV-2002 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Madriz, 19-VI-2003 (PP); Madriz, 23-VII-2003 (PP); Arzila, 14-VIII-2003 (PP).

Bena bicolorana (Fuessly, 1775)
Arzila, 14-VI-2002 (PP); Madriz, 21-VI-2002 (PP); Arzila, 18-IX-2002 (PP); Madriz, 19-VI-2003 (PP); Olaia, 20-VIII-2003 (PP); Arzila, 25-VIII-2004 (PP).

Raphia hybris (Hübner, 1813)
Geria, 21-VII-2001 (PP); Geria, 11-VIII-2001 (PP); Olaia, 12-VII-2002 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Olaia, 20-VIII-2003 (PP).

Moma alpium (Osbeck, 1778)
Geria, 18-VI-2001 (PP); Arzila, 14-VI-2002 (PP); Madriz, 14-VIII-2002 (PP); Arzila, 22-V-2003 (MFVC, EM & PP).

Acronicta psi (Linnaeus, 1758)
Madriz, 17-IV-2003 (PP); Arzila, 4-X-2003 (PP).

Acronicta rumicis (Linnaeus, 1758)
Olaia, 20-III-2000 (PP); Arzila, 19-IV-2002 (PP); Olaia, 4-IV-2003 (PP); Madriz, 17-IV-2003 (PP); Madriz, 23-IX-2004 (MFVC & PP); Coimbra, 10-VIII-2005 (PP).

Craniophora pontica (Staudinger, 1879)
Olaia, 30-VI-2003 (PP); Arzila, 17-VII-2003 (PP); Olaia, 20-VIII-2003 (PP).

Cryphia algae (Fabricius, 1775)
Olaia, 12-VII-2002 (PP); Olaia, 30-VI-2003 (PP); Arzila, 14-VIII-2003 (PP); Olaia, 20-VIII-2003 (PP); Arzila, 30-VIII-2004 (PP); Madriz, 23-IX-2004 (MFVC & PP).

Cryphia pallida (Baker, 1894)
Arzila, 25-VIII-2004 (PP), det. (MFVC).

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Emmelia trabealis (Scopoli, 1763)

Arzila, 24-VI-1999 (PP); Geria, (18,26)-V-2001 (PP); Arzila, 2-VI-2001 (PP); Geria, 18-VI-2001 (PP); Geria, 7-VII-2001 (PP); Geria, 11-VIII-2001 (PP); Arzila, 14-VIII-2003 (PP); Arzila, 14-VIII-2004 (PP).

Protodeltote pygarga (Hufnagel, 1766)

Madriz, 21-VI-2002 (PP); Madriz, 14-VIII-2002 (PP); Madriz, 17-IV-2003 (PP); Madriz, 19-V-2003 (PP); Madriz, 19-VI-2003 (PP); Madriz, 23-VII-2003 (PP).

Eublemma ostrina (Hübner, 1808)

Arzila, 5-X-2002 (PP); Arzila, 4-X-2003 (PP).

Eublemma pura (Hübner, 1813)

Arzila, 17-VII-2003 (PP).

Abrostola triplasia (Linnaeus, 1758)

Olaia, 6-X-2003 (PP).

Thysanoplusia orichalcea (Fabricius, 1775)

Coimbra, 26-VI-1998 (PP); Olaia, 8-XI-2002 (PP); Olaia, 4-IV-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Madriz, 19-VI-2003 (PP); Arzila, 6-IX-2003 (PP); Taipal (Torre), 7-IV-2004 (PP); Coimbra, 5-VIII-2004 (PP); Arzila, 13-VIII-2004 (PP).

Ctenoplusia accentifera (Lefèbvre, 1827)

Olaia, 17-X-2002 (PP); Madriz, 18-XII-2002 (PP); Olaia, 30-IX-2005 (MFVC & PP).

Ctenoplusia limbirena (Guenée, 1852)

Arzila, 14-VIII-2003 (PP).

Chrysodeixis chalcites (Esper, 1789)

Olaia, 30-VI-2003 (PP); Coimbra, 3-IX-2005 (PP).

Macdunnoughia confusa (Stephens, 1850)

Geria, 18-V-2001 (PP).

Autographa gamma (Linnaeus, 1758)

Coimbra, 9-VI-1998 (PP); Madriz, Geria, Taipal (Torre), Olaia and Arzila, frequent (19 records), April to September.

Plusia festucae (Linnaeus, 1758)

Olaia, 30-IV-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Olaia, 30-VI-2003 (PP); Madriz, 23-VII-2003 (PP); Olaia, 30-VII-2003 (PP).

Amphipyra pyramidea (Linnaeus, 1758)

Geria, 18-VI-2001 (PP).

Heliothis peltigera (Denis & Schiffermüller, 1775)

Geria, 30-VI-2002 (PP); Arzila, 14-VI-2002 (PP); Geria, 29-VI-2002 (PP); Arzila, 26-VII-2002 (PP); Madriz, 14-VIII-2002 (PP); Madriz, 30-III-2003 (PP).

Heliothis nubigera (Herrich-Schäffer, 1851)

Olaia, 30-V-2003 (PP); Madriz, 19-VI-2003 (PP).

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- Helicoverpa armigera* (Hübner, 1808)
Madriz, 14-VIII-2002 (PP); Coimbra, Olaia and Arzila, frequent (11 records), August to October.
- Elaphria venustula* (Hübner, 1790)
Arzila, 14-VI-2002 (PP); Madriz, 21-VI-2002 (PP); Madriz, 19-VI-2003 (PP).
- Paradrina clavipalpis* (Scopoli, 1763)
Taipal (Torre), 7-IV-2004 (PP).
- Hoplodrina ambigua* (Denis & Schiffermüller, 1775)
Geria, 18-VI-2001 (PP); Madriz, Olaia and Arzila, frequent (11 records), April to June and September.
- Spodoptera exigua* (Hübner, 1808)
Madriz, 19-VI-2003 (PP); Olaia and Arzila, frequent (10 records), June to October.
- Sesamia nonagrioides* (Lefèbvre, 1827)
Geria, 12-IV-2001 (PP); Madriz, 28-IX-2002 (PP); Arzila, 10-V-2003 (PP); Madriz, 9-IX-2003 (PP); Olaia, 30-IX-2005 (MFVC & PP).
- Chilodes maritima* (Tauscher, 1806)
Arzila, 14-VIII-2003 (PP); Arzila, (14,25)-VIII-2004 (PP).
- Proxenus hospes* (Freyer, 1831)
Geria, 1-VI-2001 (PP); Madriz, Coimbra, Olaia and Arzila, frequent (17 records), April to August and October.
- Rusina ferruginea* (Esper, 1785)
Arzila, 14-VI-2002 (PP).
- Mormo maura* (Linnaeus, 1758)
Madriz, 23-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (MFVC & PP).
- Polyphaenis sericata* (Esper, 1787)
Arzila, 14-VI-2002 (PP); Madriz, 21-VI-2002 (PP); Olaia, 12-VII-2002 (PP); Madriz, 19-VI-2003 (PP); Olaia, 30-VI-2003 (PP).
- Thalpophila matura* (Hufnagel, 1766)
Olaia, 25-IX-2002 (PP); Arzila, 5-X-2002 (PP).
- Euplexia lucipara* (Linnaeus, 1758)
Madriz, 10-III-2002 (PP); Madriz, 14-VIII-2002 (PP); Madriz, 17-IV-2003 (PP); Arzila, 14-VIII-2003 (PP); Madriz, 9-IX-2003 (PP); Arzila, 25-VIII-2004 (PP).
- Phlogophora meticulosa* (Linnaeus, 1758)
Arzila, 19-IV-2002 (PP); Olaia, 4-IV-2003 (PP); Coimbra, 29-IV-2005 (PP).
- **Ipimorpha subtusa* (Denis & Schiffermüller, 1775)
Madriz, 21-VI-2002 (PP); Madriz, 19-VI-2003 (PP).
- Pseudenargia ulicis* (Staudinger, 1859)
Madriz, 28-IX-2002 (PP); Arzila, 23-X-2002 (PP); Madriz, 17-X-2003 (PP); Arzila, 21-X-2003 (PP).

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- Atethmia algerica* (Culot, 1917)
Olaia, 6-X-2003 (PP); Olaia, 30-IX-2005 (MFVC & PP).
- Agrochola circellaris* (Hufnagel, 1766)
Olaia, 8-XI-2002 (PP).
- Agrochola blidaensis* (Stertz, 1915)
Olaia, 29-XII-2002 (PP); Olaia, 23-XII-2003 (PP).
- **Agrochola macilenta* (Hübner, 1809)
Olaia, 19-XI-2003 (PP), det. (MFVC).
- Agrochola helvola* (Linnaeus, 1758)
Arzila, 23-X-2002 (PP); Madriz, 1-XI-2002 (PP).
- Agrochola lychnidis* (Denis & Schiffermüller, 1775)
Olaia, 8-XI-2002 (PP); Olaia, 29-XII-2002 (PP); Olaia, 23-XII-2003 (PP).
- Omphaloscelis lunosa* (Haworth, 1809)
Arzila, 23-X-2002 (PP); Arzila, 21-X-2003 (PP).
- Spudaea ruticilla* (Esper, 1791)
Arzila, 19-IV-2002 (PP); Madriz, frequent (10 records), February to April and December.
- Conistra vaccinii* (Linnaeus, 1761)
Madriz, 25-I-2003 (PP); Arzila, 14-II-2003 (PP), Madriz, 28-II-2003 (PP); Arzila, 12-III-2003 (PP); Olaia, 19-XI-2003 (PP).
- Conistra ligula* (Esper, 1791)
Arzila, 5-III-2002 (PP); Olaia, 23-II-2003 (PP); Madriz, 28-II-2003 (PP).
- Conistra staudingeri* (Graslin, 1863)
Madriz, 30-III-2003 (PP).
- Aporophyla nigra* (Haworth, 1809)
Geria, 29-IX-2001 (PP); Arzila, 18-IX-2002 (PP); Olaia, 17-X-2002 (PP); Arzila, 23-X-2002 (PP); Olaia, 8-XI-2002 (PP); Olaia, 19-XI-2003 (PP).
- Lithophane semibrunnea* (Haworth, 1809)
Olaia, 19-XI-2003 (PP).
- Xylocampa areola* (Esper, 1789)
Arzila, 24-II-2002 (PP); Olaia and Madriz, frequent (24 records), November to April.
- Allophyes alfaroi* (Agenjo, 1951)
Arzila, 23-X-2002 (PP); Madriz, 1-XI-2002 (PP); Olaia, 8-XI-2002 (PP); Madriz, 18-XI-2003 (PP); Olaia, 19-XI-2003 (PP); Arzila, 11-XII-2003 (PP); Madriz, 18-XII-2003 (PP).
- Valeria jaspidea* (Villers, 1789)
Madriz, 10-III-2002 (PP); Arzila, 19-IV-2002 (PP); Arzila, 26-VII-2002 (PP); Madriz, 18-III-2003 (PP); Arzila, 20-III-2003 (PP); Arzila, 24-III-2004 (PP); Arzila, 3-IV-2004 (M & PP).

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- Dichonia aprilina* (Linnaeus, 1758)
Olaia, 8-XI-2002 (PP); Olaia, 19-XI-2003 (PP).
- Dryobotodes cerris* (Boisduval, 1840)
Olaia, 19-XI-2003 (PP); Olaia, 30-IX-2005 (MFVC & PP).
- Trigonophora flammea* (Esper, 1785)
Arzila, (5,23)-X-2002 (PP); Olaia, 17-X-2002 (PP); Madriz, 1-XI-2002 (PP); Arzila, 6-XII-2002 (PP);
Arzila, 21-X-2003 (PP); Arzila, 5-XI-2003 (PP); Olaia, 19-XI-2003 (PP); Arzila, 11-XII-2003 (PP).
- Blepharita spinosa* (Chrétien, 1910)
Olaia, 17-X-2002 (PP); Olaia, 6-X-2003 (PP); Coimbra, 17-XI-2005 (PP).
- Apamea ophiogramma* (Esper, 1794)
Arzila, 22-V-2003 (MFVC, EM & PP).
- Oligia strigilis* (Linnaeus, 1758)
Arzila, 22-V-2003 (MFVC, EM & PP); Arzila, 12-V-2004 (PP).
- Mesoligia furuncula* (Denis & Schiffermüller, 1775)
Geria, 21-VII-2001 (PP); Madriz, 19-V-2003 (PP); Olaia, 30-VII-2003 (PP); Olaia, 20-VIII-2003
(PP); Madriz, 27-VIII-2003 (PP); Madriz, 9-IX-2003 (PP).
- Mesapamea secalis* (Linnaeus, 1758)
Arzila, 25-VIII-2004 (PP).
- Nonagria typhae* (Thunberg, 1784)
Geria, 1-VI-2001 (PP); (f. *fraterna*) Olaia, 30-VI-2003 (PP); Madriz, 23-VII-2003 (PP).
- **Archanara geminipuncta* (Haworth, 1809)
Olaia, 30-VI-2003 (PP), det. (MFVC).
- Chortodes pygmina* (Haworth, 1809)
Madriz, 23-IX-2004 (MFVC & PP); Arzila, 24-IX-2004 (MFVC & PP).
- Coenobia rufa* (Haworth, 1809)
Madriz, 23-IX-2004 (MFVC & PP).
- Hadula pugnax* (Hübner, 1824)
Arzila, 10-V-2003 (PP); Arzila, 18-IX-2003 (PP).
- Anarta myrtilli* (Linnaeus, 1761)
Madriz, 14-VIII-2002 (PP); Madriz, 19-VI-2003 (PP); Madriz, 27-VIII-2003 (PP); Madriz, 9-IX-
2003 (PP); Madriz, 20-VIII-2004 (PP); Madriz, 23-IX-2004 (MFVC & PP).
- Lacanobia w-latinum* (Hufnagel, 1766)
Arzila, 14-VI-2002 (PP); Arzila, 10-V-2003 (PP); Madriz, 19-V-2003 (PP); Arzila, 22-V-2003
(MFVC, EM & PP); Madriz, 19-VI-2003 (PP).
- Lacanobia oleracea* (Linnaeus, 1758)
Olaia, 10-IV-2002 (PP); Taipal (Torre), Madriz and Arzila, frequent (18 records), March to September.

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Mamestra brassicae (Linnaeus, 1758)

Arzila, 19-IV-2002 (PP); Arzila, 19-IV-2003 (PP).

Mythimna obsoleta (Hübner, 1803)

Olaia, 10-IV-2002 (PP); Madriz and Arzila, frequent (17 records), April to May and July to August.

Mythimna joannisi (Boursin & Rungs, 1952)

Arzila, 18-IX-2002 (PP); Olaia and Madriz, frequent (15 records), May to June and August to October.

Mythimna albipuncta (Denis & Schiffermüller, 1775)

Arzila, 19-IV-2002 (PP); Madriz, 26-IV-2002 (PP); Olaia, 25-IX-2002 (PP); Madriz, 19-VI-2003 (PP); Arzila, 12-V-2004 (PP).

Mythimna vitellina (Hübner, 1808)

Geria, 1-VI-2001 (PP); Arzila, Coimbra, Olaia and Madriz, frequent (20 records), April to October.

Mythimna straminea (Treitschke, 1825)

Olaia, 29-V-2002 (PP); Arzila and Madriz, frequent (13 records), April to June and August to October.

Mythimna l-album (Linnaeus, 1767)

Arzila, 5-III-2002 (PP); Madriz, 26-IV-2002 (PP); Olaia, 29-V-2002 (PP); Madriz, 19-VI-2003 (PP).

Mythimna sicula (Treitschke, 1835)

Olaia, 29-V-2002 (PP); Arzila and Madriz, frequent (13 records), March to May and August to September.

Mythimna riparia (Rambur, 1829)

Olaia, 29-V-2002 (PP); Olaia, 25-IX-2002 (PP); Madriz, 19-V-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Arzila, 6-IX-2003 (PP); Madriz, 9-IX-2003 (PP); Madriz, 23-IX-2004 (MFVC & PP); Arzila, 24-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (MFVC & PP).

Mythimna loreyi (Duponchel, 1827)

Arzila, 14-VIII-2003 (PP); Madriz, 17-X-2003 (PP); Olaia, 19-XI-2003 (PP); Olaia, 30-IX-2005 (MFVC & PP).

Mythimna unipuncta (Haworth, 1809)

Geria, 7-VII-2001 (PP); Olaia, Taipal (Torre), Arzila and Madriz, frequent (35 records), March to December.

Orthosia cerasi (Fabricius, 1775)

Arzila, 5-III-2002 (PP); Madriz, 10-III-2002 (PP); Olaia, 30-I-2003 (PP); Madriz, 28-II-2003 (PP); Olaia, 14-III-2003 (PP); Madriz, 18-III-2003 (PP); Arzila, 20-III-2003 (PP); Arzila, 11-II-2004 (PP); Arzila, 24-III-2004 (PP).

Orthosia incerta (Hufnagel, 1766)

Madriz, 10-III-2002 (PP); Madriz, 25-I-2003 (PP); Olaia, 30-I-2003 (PP); Olaia, 23-II-2003 (PP); Madriz, 28-II-2003 (PP); Olaia, 14-III-2003 (PP).

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Orthosia gothica (Linnaeus, 1758)

Arzila, 5-II-2000 (PP); Olaia and Madriz, frequent (17 records), January to April.

Axylia putris (Linnaeus, 1761)

Geria, (7, 21)-VII-2001 (PP); Arzila, 26-VII-2002 (PP); Arzila, 14-VIII-2003 (PP); Arzila, 6-IX-2003 (PP); Arzila, (13,14)-VIII-2004 (PP); Arzila, 24-IX-2004 (MFVC & PP).

Ochropleura plecta (Linnaeus, 1761)

Madriz, 10-III-2002 (PP); Taipal (Torre), Olaia and Arzila, frequent (25 records), February to June and September to October.

Ochropleura leucogaster (Freyer, 1831)

Geria, 24-III-2001 (PP); Arzila, Taipal (Torre), Olaia and Madriz, frequent (26 records), October to August.

Noctua pronuba (Linnaeus, 1758)

Figueira da Foz, 19-VI-1999 (PP); Olaia, Coimbra, Arzila and Madriz, frequent (12 records), May to June and September to November.

Noctua fimbriata (Schreber, 1759)

Arzila, 23-X-2002 (PP); Madriz, 19-VI-2003 (PP).

Noctua comes (Hübner, 1813)

Madriz, 23-IX-2004 (MFVC & PP).

Noctua janthe (Borkhausen, 1792)

Olaia, 12-VII-2002 (PP); Arzila, 26-VII-2002 (PP); Olaia, 25-IX-2002 (PP); Madriz, 19-VI-2003 (PP); Arzila, 14-VIII-2003 (PP); Madriz, 17-X-2003 (PP); Madriz, 23-IX-2004 (MFVC & PP); Arzila, 24-IX-2004 (MFVC & PP); Olaia, 30-IX-2005 (MFVC & PP).

Lycophotia molothina (Esper, 1789)

Madriz, 17-IV-2003 (PP); Arzila, 10-V-2003 (PP), det. (MFVC).

Lycophotia erythrina (Herrich-Schäffer, 1852)

Madriz, 17-IV-2003 (PP); Madriz, 19-V-2003 (PP); Madriz, 19-VI-2003 (PP).

Lycophotia porphyrea (Denis & Schiffermüller, 1775)

Arzila, 14-VI-2002 (PP); Madriz, 19-VI-2003 (PP).

Paradiarsia glareosa (Esper, 1788)

Olaia, 17-X-2002 (PP); Arzila, 23-X-2002 (PP); Olaia, 23-II-2003 (PP); Arzila, 21-X-2003 (PP); Arzila, 5-XI-2003 (PP).

Xestia c-nigrum (Linnaeus, 1758)

Geria, 18-VI-2001 (PP); Arzila, Taipal (Torre), Olaia and Madriz, frequent (15 records), March to April and August to October.

Xestia baja (Denis & Schiffermüller, 1775)

Madriz, 23-VII-2003 (PP); Madriz, 27-VIII-2003 (PP); Madriz, 9-IX-2003 (PP); Madriz, 23-IX-2004 (MFVC & PP).

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Xestia xanthographa (Denis & Schiffermüller, 1775)

Arzila, 26-VII-2002 (PP); Olaia and Madriz, frequent (11 records), July to October.

Xestia agathina (Duponchel, 1827)

Madriz, 23-IX-2004 (MFVC & PP); Arzila, 24-IX-2004 (MFVC & PP).

Cerastis rubricosa (Denis & Schiffermüller, 1775)

Madriz, 10-III-2002 (PP); Madriz, 28-II-2003 (PP); Arzila, 12-III-2003 (PP); Arzila, 24-III-2004 (PP).

Cerastis faceta (Treitschke, 1835)

Arzila, 24-II-2002 (PP); Olaia and Madriz, frequent (17 records), December to April.

Peridroma saucia (Hübner, 1808)

Madriz, 10-III-2002 (PP); Arzila, 19-IV-2002 (PP); Arzila, 26-VII-2002 (PP); Madriz, 18-XII-2002 (PP); Olaia, 29-XII-2002 (PP); Arzila, 12-III-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Olaia, 30-V-2003 (PP); Arzila, 3-IV-2004 (M & PP).

Agrotis crassa (Hübner, 1803)

Arzila, 18-IX-2002 (PP).

Agrotis ipsilon (Hufnagel, 1766)

Geria, 7-VII-2001 (PP); Olaia, Taipal (Torre), Coimbra, Arzila and Madriz, frequent (15 records), April to August and October.

Agrotis exclamationis (Linnaeus, 1758)

Coimbra, 10-VI-1999 (PP); Geria, Madriz, Olaia, Arzila (10 records), April to August.

Agrotis segetum (Denis & Schiffermüller, 1775)

Geria, 7-VII-2001 P. Pires; Olaia, Arzila, Madriz (12 records), April to October.

Nolidae

Meganola togatalis (Hübner, 1798)

Arzila, 14-VI-2002 (PP); Madriz, 14-VIII-2002 (PP); Arzila, 18-IX-2002 (PP); Madriz, 28-IX-2002 (PP); Madriz, 19-V-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Arzila, 6-IX-2003 (PP).

Meganola strigula (Denis & Schiffermüller, 1775)

Arzila, 14-VI-2002 (PP); Arzila, 10-V-2003 (PP); Arzila, 22-V-2003 (MFVC, EM & PP); Olaia, 30-VII-2003 (PP); Olaia, 20-VIII-2003 (PP); Arzila, 12-V-2004 (PP); Arzila, (14, 25)-VIII-2004 (PP); Madriz, 20-VIII-2004 (PP).

Meganola albula (Denis & Schiffermüller, 1775)

Geria, 11-VIII-2001 (PP); Arzila, Olaia and Madriz, frequent (16 records), May to September.

Nola chlamitulalis (Hübner, 1813)

Madriz, 10-III-2002 (PP); Madriz, 30-III-2003 (PP).

Nycteola revayana (Scopoli, 1772)

Madriz, 23-VII-2003 (PP).

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Nycteola siculana (Fuchs, 1899)
Olaia, 30-VII-2003 (PP).

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