Biodiversity Inventorial Atlas of macrobenthic seamount animals

Compiled by Partner 9
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Biodiversity Inventorial Atlas (BIAS) of macrofaunal associations from OASIS seamount study sites

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This image-based Biodiversity Inventorial Atlas refers to **Workpackage 3** (Task 3.3 Standing stock and distribution of benthos on and around seamounts) and to **Workpackage 4** (Task 4.2 Contribution to the understanding of Seamount diversity and zoogeography) of the EU-ESF project OASIS (Oceanic Seamounts: an integrated Study; EVK3-CT-2002-00073) and is handed in as **Deliverable 25**.
I. Macrofaunal aspects of OASIS study sites

Introduction
The BIAS (Biodiversity Inventorial Atlas) presents an image-based inventory of species that were recorded as members of the macrofaunal seamount community from the OASIS study sites.

Despite the lack of completeness, this inventory of seamount species represents an important compilation of data on the biodiversity of the OASIS study sites.

This deliverable consists of two main parts: (1) a complete taxonomic seamount species list (see II. Species inventory) with all figured species highlighted in blue colour, and, (2) the image-based BIAS, including information about the known distribution and the ecology of the reported species. In order to avoid misidentifications, experts have verified most of the identifications. The present BIAS is not meant to serve as a taxonomic identification manuscript for the figured species but as a first and comprehensive imagery combining scientific exploration and public outreach in the context of Seamount Biodiversity. BIAS reflects the magnitude of species biodiversity found on NE Atlantic Seamounts and provides insight into the faunal associations of the study sites.

Study sites
As main study sites, the OASIS consortium has chosen two seamounts in European waters, the Seine Seamount and the Sedlo Seamount. Both isolated seamounts are part of the N Atlantic Subtropical Gyre Province East (NASE). The two seamounts differ clearly in summit depth.

Sedlo Seamount located close to the Azores at 40°25′N / 26°55′W reaches a summit depth of 750 m, whereas the summit depth of Seine Seamount, off-Portugal at 33°50′N / 14°20′W, is about 170 m (Fig. 1).

Two additional study sites have been included in the present macrofaunal study. Namely these are the Ampère Seamount and the Gettysburg Seamount, both part of the Horseshoe-Seamount-Chain (Fig. 1). Both seamounts are rising up into the photic zone with summit depths of 59 m (Ampère Seamount) and 63 m (Gettysburg Seamount) respectively.
Material and methods
For the present study sample material derived from several scientific cruises conducted with RV Meteor, RV Poseidon and RV Victor Hensen. All samples were worked up under laboratory conditions. Further processing has been undertaken according to the standard processing protocol of the FAU group, in order to guarantee the best-most comparability of the different samples. All alive animals were sorted from the samples preserved in Ethanol. The remaining sediments have been air-dried and analysed for shell-bearing animals. Due to the fact that in the start-up phase of the OASIS project some of the available samples only consisted in air-dried sediments, a detailed analysis of the shell-bearing assemblage was undertaken. In addition to specimens caught alive, also specimens with remains of soft parts and specimens in good preservation are included in the inventory.
For some species the existing knowledge about their ecology and depth distribution allows to exclude their present-day presence at the study sites (e.g. *Littorina cf. littorea*, *Haliotis cf. coccinea* and *Patella ulyssiponensis*). Such species are attributed to a Late Pleistocene assemblage that was present at the study site during low sea-level stages. These species are nevertheless included in the BIAS inventory for reasons of palaeontological interest.

For reliable identification purposes, specimens have been compared with a voucher collection of seamount specimens during a visit at the Museum of Natural History of Sweden (SMNH), Stockholm under the guidance of Dr. Anders Warén and with the voucher collection from Seamount I+II cruises in the Musée national d’histoire naturelle (MNHN) in Paris (France) under the guidance of Dr. Serge Gofas. Dr. Björn Berning was so kind to help with bryozoan identifications. Dr. Sabine Stöhr (SMNH Stockholm, Sweden) helped with the identification of the ophiuroids. The large number of small-sized specimen complicated the identification process and made a detailed scanning electron microscopy (SEM) analysis obligatory. For these analyses, the Cam-Scan SEM of the IPAL in combination with a digital imagery system was used.

Some of the results of this SEM-analysis are included in the BIAS. Larger specimens have been photographed with a Zeiss-Stemi 2000-C® dissecting stereo binocular combined with a digital camera Olympus CC12® using the extended focal imaging function of the analySIS® software.

Only for very few large-sized specimens, an ordinary digital camera was used for documentation.

**Main OASIS study sites Seine Seamount and Sedlo Seamount**

From the results of the OASIS macrofauna study, a combined listing of the macrofaunal species recorded has been compiled. This first compilation sums to a total of 602 species (see II. Species inventory). The repartition of the reported species on the different higher taxa is shown in Table 1.
The reported number of species may be increased by further rigorous examination of some of the taxonomic groups listed, but represents nevertheless an important contribution to the knowledge about the macrobenthic fauna of NE Atlantic seamounts.

**Sedlo Seamount**

Sedlo Seamount has been visited by RV Meteor cruise M60/1 in summer 2003. Only 2 sampling stations were successful during that first OASIS cruise. Nevertheless, very characteristic taxonomic aspects in the composition of the recorded fauna are reported.

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<th>Phyla</th>
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<th>Sedlo Seamount</th>
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**Table 1** Numbers of macrofauna species of the major Phyla recorded at each OASIS study site (* data unavailable).

Altogether 54 species are listed for Sedlo Seamount (see II. Species inventory), this number is astonishingly high for the small amount of sample material. The fauna present on this seamount reflects well the oceanic setting close to the Mid-Atlantic Ridge and does only show very little overlap with species inventories from the Lusitanian seamounts. Several endemic species from the Mid-Atlantic Ridge are reported for the first time on Sedlo Seamount. *Pseudorimula midatlantica*, *Alvania stenolopha* and *Neusas marshalli* are the most spectacular of them. For *Neusas marshalli* and *Alvania stenolopha* this is the third finding ever. Warén (2001) reports both species from the
Menez Gwen hydrothermal vent field and speculates if they are members of the vent fauna. The present findings seem to exclude a close relation with hydrothermal vents. Another remarkable species is *Amphirissoa cyclostomoides* that has been reported only from the type locality, a station of the MONACO expedition from the Azores (st 703, 39°11'N/29°06'W, 1.600m; Bouchet & Warén 1993). The even abundances of the reported species are pointing to a much higher number of species present on Sedlo Seamount. The species found in common with the Lusitanian seamounts are exclusively deep-water species with a widespread distribution in the NE Atlantic.

**Seine Seamount**

The benthos of Seine Seamount has been intensely sampled during several scientific cruises of RV Meteor, RV Poseidon and RV Victor Hensen (pre-OASIS). The analysis of this sample material reports 408 species of invertebrate macrofauna from Seine Seamount (see II. Species inventory). The by far dominating group is the Mollusca with 269 species found. Other important groups are crustaceans, echinodermites, bryozoans, annelids and sponges. As the limit of the photic zone in the work area is supposed to be at 130-150 m water-depth, the summit plateau of Seine Seamount at around 170 m water depth does not receive sufficient light to allow extended algal growth. During Poseidon POS 322 cruise only few live coralline algae from the top plateau of Seine Seamount were found. These algae have to be considered as exceptional on Seine Seamount, as large volumes of coarse-grained sediment consist of dead corallinacean gravels. These dead algal remains are attributed to a Late Pleistocene setting at the study site during low sea-level stages when the summit plateau of Seine Seamount reached the photic zone. The species composition of the most frequent molluscs in the dead-assemblage on Seine Seamount seems to imply a mixed occurrence of fossil and recent species. The detailed study on the samples from Meteor M60 and POS 309 and POS 322 cruises confirmed this hypothesis. Even in the very large quantity of sediment from EBS (epibenthic sledge), 80ft ottertrawl and 2m-beamtrawl no living specimens of the most
characteristic members of the shallow seamount association, as described for the comparison sites (see below), have been found. In this particular setting the analysis of the dead-assemblage is not reflecting the actual fauna.

*Bittium latreillei* belongs together with two of the most frequently found gastropods (*Jujubinus exasperatus* and *Acmaea virginea*) to the shallow-water fauna described from the comparative sites. Like other species from Seine Seamount they are herbivorous on algae and might thus have to be excluded from the inventory of the Seine Seamount fauna.

The tube-living polychaete *Hyalinoecia tubicola* was one of the most striking faunal characteristics of the summit plateau fauna, where it occurs in great abundance. Closely associated to this species is one of the most common gastropods, *Lepetella laterocompressa*, which feeds on the tubes of *Hyalinoecia tubicola* (Dantart & Luque 1994).

The dominant molluscan species of Seine Seamount are the bivalve species *Limopsis* spp. (*L. minuta*, *L. aurita* and *L. friedbergi*). All three *Limopsis* species are typical inhabitants of the upper continental slope/upper bathyal zone. A large number of living specimens was found to occur on the summit plateau. Another upper bathyal species *Clelandella dautzenbergi*, an endemic species to the Lusitanian seamounts (Gofas 2005) is also present in the samples and characterises together with the cited *Limopsis* species the molluscan fauna of the summit plateau at Seine Seamount. Other typical members of this association are *Japonacteon pusillus*, *Orania fusulus*, *Cytharomorula grayi*, *Kaiparapelta askewi*, *Gofasia josephinae* and *Alvania adinogramma*.

This recent mollusc assemblage revealed several species with a very restricted distributional range, for example *Alvania adinogramma*, *Gofasia josephinae*, *Benthonellania fayalensis*, *Alvania cf. porcupinae* and *Manzonia* sp. nov. With *Manzonia* sp. nov. and *Bathysciadium* sp. nov. two species new to science are reported for Seine Seamount that have also been identified from samples from Ampère Seamount. Proper taxonomic descriptions of these newly discovered species are underway. For reliable identification purposes, specimens have been compared with the voucher collections of MNHN and SMNH.

It is noteworthy to precise that the endemic species mentioned above, with the exception of *Bathysciadium* sp. nov., are frequently occurring in large numbers. They are
apparently reflecting well-established populations on the Lusitanian seamounts.

**Additional study sites**

For a better understanding of the seamount biodiversity and zoogeography sample material from two other Seamounts off the coast of Portugal have been included. As mentioned above, these are from the northern part of the Horseshoe-Seamount-Chain the Gettysburg Seamount and from the southern part of the Horseshoe-Seamount-Chain the Ampère Seamount, separated from Gettysburg Seamount by the Horseshoe Trough. The three Seamounts retained here are aligned between Portugal and Madeira Island; Ampère Seamount is located almost halfway between the two other Seamounts (Fig. 1).

The taxonomic analysis of the three study sites in the area of the Lusitanian seamounts resulted in 573. For the main OASIS study site, the Seine Seamount, 408 species are reported (see II. Species inventory). The additional study sites Ampère and Gettysburg seamounts are represented with 278 and 189 reported species respectively. For Gettysburg Seamount only information about the molluscs is available.

**Gettysburg Seamount**

For the comparison study on the biodiversity of Gettysburg Seamount, 15 grab samples (Van-Veen grabs) from limited water depth ranging from 63 m down to 607 m taken during RV Victor Hensen cruise VH-97 have been analysed. After the visit to MNHN (Paris) and access to the voucher collection, 189 species in total could be identified for the Gettysburg Seamount. For a detailed species list see the attached spreadsheet (see II. Species inventory).

Aside few other invertebrates, 155 mollusc species are reported. 103 benthic gastropods, 48 bivalves, 2 scaphopods and 1 monoplacophoran as well as 1 polyplacophoran have been found. 6 species endemic to the seamounts of the Horseshoe-Seamount-Chain were identified. In addition to well-known species, 4 Gastropod species are new to science. Some species have been attributed to a Late Pleistocene fauna. These mainly gastropod species represent a shallow-water assemblage, nowadays only present from the shoreline down to some 10 m, like for example *Littorina cf. littorea, Haliotis cf. coccinea* and *Patella ulyssiponensis*. Due to the
large number of samples, two depth-related mollusc associations can be distinguished. For the shallower areas of Gettysburg Seamount a typical association of mostly algivorous gastropods and some shallow infaunal bivalves is characteristic. In all the samples from water-depth of 63 to 159 m the by far most abundant species are *Bittium latreillei* (Gastropoda), *Jujubinus exasperatus* (Gastropoda) and *Gouldia minima* (Bivalvia). Together with many other gastropods from that association, *B. latreillei* and *J. exasperatus* are herbivorous on algae.

A deep-water association with typical bathyal species like *Limopsis aurita*, *Amphissa acuticostata*, *Arca aspera* and *Bathyarca pectunculoides* is reported from 310 to 607 m. Further a large number of other deep-bathyal species are to be expected below 600 m.

**Ampère Seamount**

For the present study about the biodiversity of the Mollusca on Ampère Seamount 11 grab samples from 110 m down to 800 m water depth were analysed. From these samples 278 invertebrate species have been identified. Altogether 243 molluscs: 191 benthic gastropods, 48 bivalves, 2 scaphopods, 1 polyplacophoran and 1 monoplacophoran have been found (see II. Species inventory). Some species could be reported for the first time from the Horseshoe-Seamount-Chain area. Up to 10 species are most probably new to science. The study of the material from Ampère Seamount documents an increase in diversity with increasing water depth. Several typical, depth related assemblages are defined. The shallowest stations of the Ampère Bank are showing a similar association as reported for the summit area of Gettysburg Seamount. Once again the dominant species are herbivorous gastropods as *Bittium latreillei* and *Jujubinus exasperatus* and *Acmaea virginea* (Fretter and Graham 1976; Basso 1992). The gastropod family Rissoidae, is represented by several species present in high abundances. Some of these rissoid species like for example *Gofasia josephinae* and *Manzonia* sp. nov. are only known from a very restricted area off Portugal (Bouchet and Warén 1993; pers.com. Dr S. Gofas).
Overall Comparison

**Species new to science**
From the 602 species reported from the OASIS study sites, 19 species, all molluscs, are new to science. Extensive comparison with seamount voucher specimen collections in Paris (MNHN) and Stockholm (SMNH) have been carried out and confirmed the status of these species. 17 gastropods and 2 bivalves are listed as sp. nov. For one of the gastropods a new genus will have to be erected. 8 of these gastropods new to science belong to the family of Rissoidae (Mesogastropoda). This group is actually under revision by Dr. Serge Gofas from the University of Malaga. In addition to specimens gathered on the French SEAMOUNT I + II cruises also specimens from OASIS cruises M60/1 and POS 309 have been assigned as type material for the species descriptions actually undertaken by Dr. Gofas.

**Endemic species**
Altogether 23 species found during the OASIS study have shown to be endemic species. For some of them it is not finally assured whether they are really endemic species or not. *Bathysciadium* sp.nov. and *Cocculina* sp.nov. are reported here for the first time and thus listed among the endemic species. Due to their ecology, feeding on cephalopod beaks and other organic substrate, it cannot be excluded that they have a widespread but very scattered distribution in deep-water of the NE Atlantic. For the rissoid and the scissurellid species their endemic distribution seems to be assured by the extensive comparison at MNHN and SMNH. It remains uncertain if all these species are only restricted to the seamounts where they have been sampled during the OASIS project.

**Biogeographical aspects**
The fauna reported from Sedlo Seamount is dominated by a number of taxa clearly characterising a close affinity to typical fauna of the Mid-Atlantic Ridge area. In contrast to that, the fauna reported from the three Lusitanian seamounts studied during the OASIS project is belonging to a Mediterranean-Atlantic fauna in the sense of Ekman (1935).
A very large number of species are characteristic for this faunal province, such as the crustaceans *Parthenope miersi*, *Calappa granulata* and *Ebalia tuberosa*, or the gastropod *Charonia lampas* and the bivalve *Pteria hirundo*.

Only for the main OASIS study site Seine Seamount there is also another influence to recognize. Some very characteristic species of the Seine Seamount fauna imply an influence of faunal elements belonging to a typical Western African fauna. First of all, large growing species of tonnoidacean gastropods like *Bursa marginata*, *Semicassis saburon* and *Distorsio perdistorta* showed to occur in well-established populations on Seine Seamount and were caught with several specimens. These three species are common Western African species and are very rarely found else in the NE Atlantic with the exception of the Canary Islands (Gofas & Beu 2002; Ardovini & Cossignani 2004). Also the presence of large numbers of specimens of *Cytharomorula grayi* and *Orania fusulus* are evidence of a clear Western African influence (Ardovini & Cossignani 2004).

**Discussion**

Based on the present study several homologies between Seine Seamount, Gettysburg Seamount and Ampère Seamount could be recognized, whereas the fauna reported from Sedlo Seamount showed to be clearly different in species composition. A typical species assemblage reported from the summit areas of all study sites dominated by algivorous gastropods can be generalised. This assemblage is characterised by some very abundant herbivorous gastropod species and few bivalve species with a more shallow depth range (e.g. *Gouldia minima*). On Ampère and Gettysburg seamounts this assemblage is supposed to be the actual assemblage, whereas on Seine Seamount it only reflects a fossil assemblage of a Late Pleistocene sea-level low stand.

On Seine Seamount this fossil assemblage is amalgamated with a modern assemblage characterised by species such as the polychaete *Hyalinoecia tubicola*, the bivalves *Limopsis* spp. and the gastropod species *Japonacteon pusillus*, *Clelandella miliaris*, *Orania fusulus*, *Gofasia josephinae* etc. Between the samples from the shallower
summit plateau and samples from water depths beyond 400 m, a clear transition to a more bathyal bivalve-dominated fauna is notified.

It has to be emphasized that there is an important overlap in species composition between the seamounts of the Horseshoe-Seamount-Chain and Seine Seamount. Many characteristic seamount species like *Alvania adinogramma* and *Gofasia josephinae* are common on all 3 sites.

On the other hand some differences have been noticed. With *Cytharomorula grayi* a typical Western African species has been recorded from Seine Seamount. This species is known to occur also near Madeira and the Canaries (Ardovini & Cossignani 2004). The present record seems to mark the distributional limit of that species; it does not reach the seamounts of the Horseshoe-Seamount-Chain. A close relatedness of the Seine Seamount fauna with typical West African fauna is also sustained by the presence of the tonnoidacean gastropods *Bursa marginata* and *Phalium saburon*.

The above-mentioned undescribed *Manzonia* species are well represented by several specimens on the different seamounts, but do not necessarily occur on all studied Lusitanian seamounts. The pseudococculinid gastropod *Kaiparapelta askewi* is present on Seine and Ampère seamounts but not on Gettysburg Seamount. The current regime in the Horseshoe Trough area seems to limit their distributional range.

Another undescribed species present on Gettysburg and Ampère seamounts is *Krachia* sp. nov. It has not been found on Seine Seamount. Species with a mainly Mediterranean distribution like *Alvania zylensis* are witnessing for a direct Mediterranean influence on the Ampère and Gettysburg seamounts, whereas such an influence is not obvious on Seine Seamount.

**Acknowledgements**

We would like to acknowledge Dr. Andres Warén and Dr. Serge Gofas for their taxonomic support and the possibility to access the voucher collections of MNHN (Paris, France) and SMNH (Stockholm, Sweden). We want to extend our thanks to Dr. Sabine Stöhr (SMNH) and to Björn Berning for their taxonomic help with ophiuroids and bryozoans. We thank a lot Edith Maier, Isabel Schiemer and Tobias Dorsch for their help.
by sorting the sample material. We would like to thank Marie-Luise Neufert for the technical support with SEM and other documentation work. Our special thanks are to Dr. Sonja-B. Löffler for her assistance with the manuscript. Without the support by EU-ESF project OASIS (Oceanic Seamounts: an integrated Study; Contract N° EVK3-CT-2002-00073) this work could have not been realised.
II Species inventory

Species list of macrobenthic fauna reported from Seine, Sedlo, Ampère and Gettysburg Seamount, illustrated species are highlighted in blue
# Species list of macrobenthic fauna reported from Seine, Sedlo, Ampère and Gettysburg Seamount

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## Phylum Cnidaria

## Class Hydrozoa

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### Phylum Sipunculids and Echiurids

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### Phylum Crustacea

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### Phylum Mollusca

#### Class Monoplacophora

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<td>Tectura virginea</td>
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### Class Scaphopoda

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### Phylum Bryozoa

### Class Stenolaemata, Gymnolaemata

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### Class Stenolaemata, Gymnolaemata (continued)

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<td>Echinocymys pusillus</td>
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<td>Brissopsis lynfera</td>
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Phylum Brachiopoda

Phylum Echinodermata
III BIAS (Biodiversity Inventorial Atlas)

Image-based Biodiversity Atlas of macrobenthic seamount animals including information about distribution and ecology of the figured species.
### Epizoanthus cf. papillosus
(Johnston, 1842)

*Cnidaria, Anthozoa*
*Zoanthidea*
*Zoanthidae*

**DISTRIBUTION**

**ECOLOGY**
On gastropod shells inhabited by hermit crabs.

**NOTES**
Very abundant on Seine Seamount.

<table>
<thead>
<tr>
<th>Seine Seamount</th>
<th>Gettysburg Seamount</th>
<th>Sedlo Seamount</th>
<th>Ampère Seamount</th>
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</table>

**REFERENCES**

### Hyalinoecia tubicola
(O.F. Müller, 1776)

*Annelida*
*Polychaeta*
*Eunicidae*

**DISTRIBUTION**
Cosmopolitan?

**ECOLOGY**
Lives half embedded on coarse sands.

**NOTES**
Common on Seine Seamount.

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</table>

**REFERENCES**

---

32
**Scalpellum sp.**

Crustacea, Cirripedia
Thoracica
Scalpellidae

**DISTRIBUTION**
NE Atlantic?

**ECOLOGY**

**NOTES**
Only found on the top plateau of Seine Seamount.

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**


**Pagurus oculatus**
*(Fabricius, 1775)*

Crustacea
Decapoda
Paguridae

**DISTRIBUTION**

**ECOLOGY**

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**


**Calappa granulata**
*(Linnaeus, 1758)*

Crustacea
Decapoda
Calappidae

**DISTRIBUTION**
Mediterranean and adjacent Atlantic.

**ECOLOGY**
Carnivorous, hiding in sandy bottoms.

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**


33
**Parthenope cf. miersi**  
(Milne-Edwards & Bouvier, 1898)

Crustacea,  
Decapoda  
Parthenopidae

**Distribution**

**Ecology**

**Notes**

- Very abundant on top of Seine Seamount.

**References**

---

**Parthenope sp.**

Crustacea  
Decapoda

**Distribution**

Atlantic-Mediterranean.

**Ecology**

Carnivorous.

**Notes**

- In shallow depth Seine Seamount.

**References**

---

**Inachus dorsettensis**  
(Pennant, 1777)

Crustacea  
Decapoda  
Maiidae

**Distribution**

Mediterranean and adjacent Atlantic.

**Ecology**

Frequently associated with cnidarians!

**Notes**

- Very abundant on top of Seine Seamount.

**References**
Latreillia elegans
Roux, 1830

Crustacea
Decapoda
Latreilliidae

**DISTRIBUTION**
Mediterranean and NE Atlantic.

**ECOLOGY**
On soft bottoms between 30 and 400 m.

**NOTES**
- [x] Seine Seamount
- [ ] Gettysburg Seamount
- [ ] Sedlo Seamount
- [ ] Ampère Seamount

**REFERENCES**

---

From Seine Seamount
**Veleropilina zografi**  
(Dautzenberg & Fischer, 1896)

Monoplacophorida  
Neopilinidae  Knight & Yochelson, 1958  
Veleropilina  Starobogatov & Moskalev, 1987

**DISTRIBUTION**  
Mid-Atlantic Ridge and adjoining seamounts, between 30°N and 38°N.

**ECOLOGY**  
Often on iron-manganese coated hard substrate.

**NOTES**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES**  
Warén & Gofas, 1996

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**Rokopella sp.**

Monoplacophorida  
Neopilinidae  Knight & Yochelson, 1958  
Rokopella  Starobogatov & Moskalev, 1987

**DISTRIBUTION**  
unknown

**ECOLOGY**  
unknown

**NOTES**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES**

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**Leptochiton sp.**

Lepidopleurida  
Leptochitonidae  Dall, 1889

**DISTRIBUTION**  
unknown

**ECOLOGY**  
Unknown, but probably a sponge feeder.

**NOTES**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES**
**Tectura virginea**
(Müller O.F., 1776)

*Patelloidea*
Acmaeidae Forbes, 1850
*Tectura* Gray, 1847

**Distribution**
Atlantic and Mediterranean, shallow water down to 100 m.

**Ecology**
Grazing on algae or diatoms.

**Notes**

| Seine Seamount | Gettysburg Seamount | Sedlo Seamount | Ampère Seamount |

**References**
Poppe & Goto, 1991; Fretter & Graham, 1976

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**Propilidium exiguum**
(Thompson W., 1844)

*Patelloidea*
Lepetidae Gray, 1850
*Propilidium* Forbes & Hanley, 1849

**Distribution**
NE Atlantic, bathyal.

**Ecology**
On hard substrate, probably a grazing detritus feeder.

**Notes**

| Seine Seamount | Gettysburg Seamount | Sedlo Seamount | Ampère Seamount |

**References**
Graham, 1988

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**Ansates pellucida**
(Linné, 1758)

*Patelloidea*
Patellidae Rafinesque, 1815
*Ansates* Sowerby G.B. II, 1839

**Distribution**
All the Atlantic coasts between Portugal and northern Norway.

**Ecology**
Typical found on kelp (Laminaria).

**Notes**

| Seine Seamount | Gettysburg Seamount | Sedlo Seamount | Ampère Seamount |

**References**
Graham, 1988
**Patella ulyssiponensis**
*Gmelin, 1791*

*Patelloidea*
*Patellidae  Rafinesque, 1815*
*Patella  Linné, 1758*

**Distribution**
Black Sea, Mediterranean and in the Atlantic north until the British Isles.

**Ecology**
Grazing on rocks for algae or diatoms.

**Notes**
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References**

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**Bathysciadium sp. nov.**

*Cocculinoidea*
*Bathysciadiidae  Dautzenberg & Fischer, 1900*
*Bathysciadium  Dautzenberg & Fischer, 1900*

**Distribution**
Endemic?

**Ecology**
Unknown. Probably feeding on cephalopod beaks.

**Notes**
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References**

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**Lepetella laterocompressa**
*(de Rayneval & Ponzi, 1854)*

*Cocculinoidea*
*Lepetellidae  Dall, 1882*
*Lepetella  Verrill, 1880*
*Lepetella laterocompressa  (de Rayneval & Ponzi, 1854)*

**Distribution**
Bay of Biscay and European Atlantic.

**Ecology**
Feeding on tubes of the polychaete *Hyalinoecia* sp.

**Notes**
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References**
Dantart & Luque, 1994
**Addisonia excentrica**  
(Tiberi, 1855)  
Cocculinoidea  
Addisonidae  
Addisonia  Dall, 1882

**DISTRIBUTION**  
Mediterranean and NE Atlantic.

**ECOLOGY**  
Unknown

**NOTES**  
- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES**  
Giribet & Penas, 1997

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**Kaiparapelta askewi**  
McLean & Harasewych, 1995  
Cocculinoidea  
Pseudococculinidae  
Kaiparapelta  Marshall, 1986

**DISTRIBUTION**  
Only few records from the NE Atlantic, fossil from New Zealand.

**ECOLOGY**

**NOTES**  
- Well established populations on the seamounts.

**REFERENCES**  
Mc Lean & Harasewych, 1995

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**Emarginula tenera**  
Locard, 1892  
Fissurellacea  
Fissurellidae  
Emarginula  Lamarck, 1801

**DISTRIBUTION**  
Mediterranean and Bay of Biscay.

**ECOLOGY**  
Sponge feeder?

**NOTES**  
- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES**  
Poppe & Goto, 1991
**Emarginula huzardii**
Payraudeau, 1826

*Fissurelloidea*  
*Fissurellidae* Fleming, 1822  
*Emarginula* Lamarck, 1801

**Distribution**
Mediterranean and Strait of Gibraltar.

**Ecology**
Unknown. Potentially a sponge eater.

**Notes**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References** Poppe & Goto, 1991

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**Emarginula fissura**
(Linné, 1758)

*Fissurelloidea*  
*Fissurellidae* Fleming, 1822  
*Emarginula* Lamarck, 1801

**Distribution**
Atlantic and Mediterranean, shallow water to bathyal depths.

**Ecology**
Sponge eater. Mainly on hard substrates.

**Notes**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References** Poppe & Goto, 1991

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**Emarginula adriatica**
Costa O.G., 1829

*Fissurelloidea*  
*Fissurellidae* Fleming, 1822  
*Emarginula* Lamarck, 1801

**Distribution**
Mediterranean and north to the Bay of Biscay.

**Ecology**
Unknown. Potentially a sponge feeder.

**Notes**

- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References**
**Emarginula sp. nov.**

*Fissurelloidea*

*Fissurellidae* Fleming, 1822

*Emarginula* Lamarck, 1801

**Distribution**

Endemic?

**Ecology**

unknown

**Notes**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References**

Graham, 1988

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**Diodora graeca**

(Linné, 1758)

*Fissurelloidea*

*Fissurellidae* Fleming, 1822

*Diodora* Gray, 1821

**Distribution**

From 60° N to the Mediterranean. Common on most British and Irish coasts.

**Ecology**

Feeding on sponges which they mimic in colour.

**Notes**

Only on seamount tops.

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References**

Graham, 1988

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**Rimula granulata**

Seguenza G., 1862

*Fissurelloidea*

*Fissurellidae* Fleming, 1822

*Rimula* Defrance, 1827

**Distribution**

**Ecology**

unknown

**Notes**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References**

Micali & Villari, 1989
**Profundisepta profundi**  
(Jeffreys, 1877)

Fissurelloidea  
Fissurellidae  Fleming, 1822  
*Profundisepta* McLean & Geiger, 1998

**DISTRIBUTION**  
unknown, deep-water.

**ECOLOGY**  
unknown

**NOTES**

- Seine Seamount
- Ampère Seamount
- Gettysburg Seamount
- Sedlo Seamount

**REFERENCES**

*McLean & Geiger, 1998*

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**Cornisepta crossei**  
(Dautzenberg & Fischer, 1896)

Fissurelloidea  
Fissurellidae  Fleming, 1822  
*Cornisepta* McLean & Geiger, 1998

**DISTRIBUTION**  
unknown, deep-water.

**ECOLOGY**  
unknown

**NOTES**

- Very rare species.

- Seine Seamount
- Sedlo Seamount
- Ampère Seamount
- Gettysburg Seamount

**REFERENCES**

*McLean & Geiger, 1998*

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**Cornisepta rostrata**  
(Seguenza G., 1862)

Fissurelloidea  
Fissurellidae  Fleming, 1822  
*Cornisepta* McLean & Geiger, 1998

**DISTRIBUTION**  
NE Atlantic and Mediterranean, bathyal.

**ECOLOGY**  
unknown

**NOTES**

- Seine Seamount
- Sedlo Seamount
- Gettysburg Seamount
- Ampère Seamount

**REFERENCES**

*McLean & Geiger, 1998*
### Anatoma aspera
*(Philippi, 1844)*

- **Family:** Scissurelloidea
- **Genus:** Scissurellidae
- **Species:** Anatoma Woodward, 1859

#### Distribution
Mediterranean and NE Atlantic.

#### Ecology
Unknown

#### Notes
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

#### References
Poppe & Goto, 1991

### Anatoma umbilicata
*(Jeffreys, 1883)*

- **Family:** Scissurelloidea
- **Genus:** Scissurellidae
- **Species:** Anatoma Woodward, 1859

#### Distribution
NE Atlantic and rare in the Mediterranean.

#### Ecology
Unknown

#### Notes
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

#### References
Poppe & Goto, 1991

### Anatoma sp.

- **Family:** Scissurelloidea
- **Genus:** Scissurellidae
- **Species:** Anatoma Woodward, 1859

#### Distribution
Endemic?

#### Ecology

#### Notes
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount
**Sukashitrochus sp. nov.**

Scissurelloidea  
Scissurellidae Gray, 1847  
*Sukashitrochus* Habe & Kosuge, 1964

**DISTRIBUTION**  
Endemic of the Lusitanian Seamounts!

**ECOLOGY**  
unknown

**NOTES**

- ☐ Seine Seamount  ☒ Gettysburg Seamount  
- ☐ Sedlo Seamount  ☒ Ampère Seamount

**REFERENCES**

from Ampère Seamount

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**Scissurella sp. nov.**

Scissurelloidea  
Scissurellidae Gray, 1847  
*Scissurella* d’Orbigny, 1824

**DISTRIBUTION**  
Endemic of the Lusitanian Seamounts!

**ECOLOGY**

**NOTES**

- ☒ Seine Seamount  ☐ Gettysburg Seamount  
- ☐ Sedlo Seamount  ☒ Ampère Seamount

**REFERENCES** Poppe & Goto, 1991

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**Jujubinus exasperatus**  
(Pennant, 1777)

Trochoidea  
Trochoideae Rafinesque, 1815  
*Jujubinus* Monterosato, 1884

**DISTRIBUTION**  
Mediterranean and NE Atlantic.

**ECOLOGY**  
Restricted only to photic zone. Feeding on diatoms.

**NOTES**

- ☒ Seine Seamount  ☒ Gettysburg Seamount  
- ☐ Ampère Seamount

**REFERENCES** Poppe & Goto, 1991
**Clelandella dautzenbergi**
Gofas, 2005

Trochoidea
Trochoidae Rafinesque, 1815
*Clelandella* Winckworth, 1932

**DISTRIBUTION**
Endemic of the Lusitanian Seamounts!

**ECOLOGY**

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**

**Gibbula magus**
(Linné, 1758)

Trochoidea
Trochoidae Rafinesque, 1815
*Gibbula* Risso, 1826

**DISTRIBUTION**
Mediterranean and NE Atlantic.

**ECOLOGY**
Amongst seaweeds and on stones.

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES** Graham, 1988

**Calliostoma hirondellei**
Dautzenberg & Fischer, 1896

Trochoidea
Trochoidae Rafinesque, 1815
*Calliostoma* Swainson, 1840

**DISTRIBUTION**
unknown

**ECOLOGY**

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**
**Calliostoma leptophyma**  
Dautzenberg & Fischer, 1896

Trochoidea  
Trochoidea Rafinesque, 1815  
Calliostoma Swainson, 1840

**DISTRIBUTION**  
NE Atlantic and ? Mediterranean, bathyal.

**ECOLOGY**

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**

**Calliostoma lithocolletum**  
Dautzenberg, 1925

Trochoidea  
Trochoidea Rafinesque, 1815  
Calliostoma Swainson, 1840

**DISTRIBUTION**  
unknown

**ECOLOGY**

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**

**Danilia tinei**  
(Calcara, 1839)

Trochoidea  
Trochoidea Rafinesque, 1815  
Danilia Brusina, 1865

**DISTRIBUTION**  
Mediterranean and into the NE Atlantic.

**ECOLOGY**

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES** Poppe & Goto, 1991
**Trochus laminarum**
Jeffreys, 1883

Trochoidea
Trochidae? incertae sedis
*Trochus* Linné, 1758

**DISTRIBUTION**
unknown, deep-water.

**ECOLOGY**

**NOTES**

☐ Seine Seamount ☐ Gettysburg Seamount
☒ Sedlo Seamount ☒ Ampère Seamount

**REFERENCES**

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**Rugulina fragilis**
(Sars, 1887)

Trochoidea
Pendromidae Warén, 1991
*Rugulina* Palazzi, 1988

**DISTRIBUTION**
NE Atlantic and Mediterranean, bathyal.

**ECOLOGY**

**NOTES**

☒ Seine Seamount ☐ Gettysburg Seamount
☐ Sedlo Seamount ☐ Ampère Seamount

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**Adeuomphalus ammoniformis**
Seguenza, 1876

Trochoidea
Skeneidae Clark, 1851
*Adeuomphalus* Seguenza G., 1876

**DISTRIBUTION**
Mediterranean and Strait of Gibraltar.

**ECOLOGY**
unknown

**NOTES**

☒ Seine Seamount ☒ Gettysburg Seamount
☐ Sedlo Seamount ☐ Ampère Seamount

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47
**Anekes paucistriata**  
Warén, 1992

Trochoidea  
Skeneidae  Clark, 1851  
*Anekes* Bouchet & Warén, 1979

**DISTRIBUTION**  
Lusitanian Seamounts and Mediterranean.

**ECOLOGY**  
unknown

**NOTES**

☑ Seine Seamount  ☑ Gettysburg Seamount  
☐ Sedlo Seamount  ☑ Ampère Seamount

**REFERENCES**  
Warén, 1991

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**Cirsonella romettensis**  
(Granata-Grillo, 1877)

Trochoidea  
Skeneidae  Clark, 1851  
*Cirsonella* Angas, 1877

**DISTRIBUTION**  
Bay of Biscay and Mediterranean, 100 - 1,000 m.

**ECOLOGY**  
unknown

**NOTES**

☑ Seine Seamount  ☑ Gettysburg Seamount  
☐ Sedlo Seamount  ☑ Ampère Seamount

**REFERENCES**  
Warén, 1991

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**Dikoleps sp.**

Trochoidea  
Skeneidae  Clark, 1851  
*Dikoleps* Høisaeter, 1968

**DISTRIBUTION**  
unknown

**ECOLOGY**  
unknown

**NOTES**

☐ Seine Seamount  ☑ Gettysburg Seamount  
☐ Sedlo Seamount  ☑ Ampère Seamount

**REFERENCES**  
Warén, 1991; Rubio-Salazar, 1990
**Granigyra pruinosa** (Jeffreys, 1883)

Trochoidea
Skeneidae Clark, 1851
Granigyra Dall, 1889

**DISTRIBUTION**
Off Portugal, deep-water.

**ECOLOGY**
unknown

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES** Warén, 1991

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**Granigyra sp.**

Trochoidea
Skeneidae Clark, 1851
Granigyra Dall, 1889

**DISTRIBUTION**
unknown

**ECOLOGY**
unknown

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES** Warén, 1991

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**Lissomphalia bithynoides** (Monterosato, 1880)

Trochoidea
Skeneidae Clark, 1851
Lissomphalia Warén, 1992

**DISTRIBUTION**
Off Portugal and Mediterranean, 90-440 m.

**ECOLOGY**
unknown

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES** Warén, 1991
**Lissotesta minima**
(Seguenza G., 1876)

Trochoidea
Skeneidae Clark, 1851
Lissotesta Iredale, 1915

**DISTRIBUTION**
Bay of Biscay and Moroccan margin, 500 - 2,300 m.

**ECOLOGY**
unknown

**NOTES**
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**
Warén, 1991

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**Lissotesta gittenbergeri**
(van Aartsen & Bogi, 1988)

Trochoidea
Skeneidae Clark, 1851
Lissotesta Iredale, 1915

**DISTRIBUTION**
Western Mediterranean and adjacent Atlantic, 100 - 350 m.

**ECOLOGY**
unknown

**NOTES**
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**
Warén, 1991

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**Lissotesta turrita**
(Gaglini, 1987)

Trochoidea
Skeneidae Clark, 1851
Lissotesta Iredale, 1915

**DISTRIBUTION**
Norway to Mediterranean, 100 - 350 m.

**ECOLOGY**
unknown

**NOTES**
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**
Warén, 1991
**Moelleriopsis normani**
*(Dautzenberg & Fischer, 1897)*

Trochoidea
Skeneidae Clark, 1851
Moelleriopsis Bush, 1897

**Distribution**
Azores, few records from the NE Atlantic, Mediterranean.

**Ecology**
unknown

**Notes**

- Seine Seamount
- Ampère Seamount
- Gettysburg Seamount
- Sedlo Seamount

**References** Warén, 1991

**Moelleriopsis sp.**

Trochoidea
Skeneidae Clark, 1851
Moelleriopsis Bush, 1897

**Distribution**
unknown

**Ecology**
unknown

**Notes**

- Seine Seamount
- Ampère Seamount
- Gettysburg Seamount
- Sedlo Seamount

**References** Warén, 1991

**Trenchia sp. nov.**

Trochoidea
Skeneidae Clark, 1851
Trenchia Knudsen, 1964

**Distribution**
Endemic?

**Ecology**
unknown

**Notes**

- Seine Seamount
- Ampère Seamount
- Gettysburg Seamount
- Sedlo Seamount

**References**
**Cithna cincta**  
Jeffreys, 1883

Trochoidea  
Skeneidae? incertae sedis  
*Cithna* Jeffreys, 1883

**DISTRIBUTION**  
NE Atlantic and ?Mediterranean, bathyal.

**ECOLOGY**  
unknown

**NOTES**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES**

**Pseudorimula midatlantica**  
McLean, 1992

Trochoidea  
Lepetodrilidae McLean, 1988  
*Pseudorimula* McLean, 1989

**DISTRIBUTION**  
Along the mid-oceanic ridge.

**ECOLOGY**

**NOTES**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES**

**Basilissopsis watsoni**  
Dautzenberg & Fischer, 1898

Trochoidea  
Seguenziidae  
Verrill, 1884  
*Basilissopsis* Dautzenberg & Fischer, 1897

**DISTRIBUTION**  
From Iceland to the Azores, around 100 m.

**ECOLOGY**

**NOTES**  
The species has not been reported since the description.

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES**  
Warén, 1996
**Basilissa sp.**

Trochoidea  
Seguenziidae  Verrill, 1884  
*Basilissa* Watson, 1879

**DISTRIBUTION**  
unknown

**ECOLOGY**  
unknown

**NOTES**  
unknown

**REFERENCES**


**Vetulonia cancellata**  
(Jeffreys, 1883)

Trochoidea  
Cyclostrematida  Fischer, 1885  
*Vetulonia* Dall, 1913

**DISTRIBUTION**  
NE Atlantic and ?Mediterranean, bathyal.

**ECOLOGY**

**NOTES**

**REFERENCES**


**Bolma rugosa**  
(Linné, 1767)

Trochoidea  
Turbinidae  Rafinesque, 1815  
*Bolma* Risso, 1826

**DISTRIBUTION**  
Mediterranean and Bay of Biscay, Madeira.

**ECOLOGY**

**NOTES**

**REFERENCES** Poppe & Goto, 1991
**Cantrainea globuloides**  
(Dautzenberg & Fischer, 1896)

Trochoidea  
Turbinidae  Rafinesque, 1815  
Cantrainea   Jeffreys, 1883

**Distribution**
unknown, deep-water.

**Ecology**
unknown

**Notes**
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References**

**Haliotis tuberculata coccinea**  
Reeve, 1846

Halioidea  
Haliotidae  Rafinesque, 1815  
Haliotis Linné, 1758

**Distribution**
Channel Island and Brittany to the Mediterranean, the Azores and Canary Islands.

**Ecology**
On rocky shores, feeding on encrusting algae.

**Notes**
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References**
Graham, 1988

**Bittium latreillii**  
(Payraudeau, 1826)

Cerithioidea  
Cerithiidae  de Férussac, 1822  
Bittium  Gray, 1847

**Distribution**
Mediterranean and Strait of Gibraltar, Canary Islands.

**Ecology**
Photic zone, feeding mainly on diatoms.

**Notes**
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References**
Poppe & Goto, 1991
**Bittium watsoni**  
(Jeffreys, 1885)

Cerithioidea  
Cerithiidae  de Férussac, 1822  
*Bittium*  Gray, 1847  

**DISTRIBUTION**  
Atlantic and Mediterranean.  

**ECOLOGY**

**NOTES**

- [ ] Seine Seamount  
- [ ] Gettysburg Seamount  
- [ ] Sedlo Seamount  
- [x] Ampère Seamount

**REFERENCES**  
Smriglio, Mariottini & Clommei, 1995

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**Litiopa cf. melanostoma**  
Rang, 1829

Cerithioidea  
Litiopidae  Gray, 1847  
*Litiopa*  Rang, 1829  

**DISTRIBUTION**  
Typical in the Sargasso Sea, rare in the NE-Atlantic.  

**ECOLOGY**  
Lives on the algae *Sargassum*.  

**NOTES**  
Only juveniles were found.  

- [ ] Seine Seamount  
- [ ] Gettysburg Seamount  
- [ ] Sedlo Seamount  
- [x] Ampère Seamount

**REFERENCES**  
Bouchet, 2002; Scheltema et al., 1989

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**Marshallora adversa**  
(Montagu, 1803)

Triphoroidea  
Triphoridae  Gray, 1847  
*Marshallora*  Bouchet, 1985  

**DISTRIBUTION**  
From Spain to Norway.  

**ECOLOGY**  
Lives on sponges, especially *Hymeniacidon* and *Halichondria*.  

**NOTES**

- [ ] Seine Seamount  
- [x] Gettysburg Seamount  
- [ ] Sedlo Seamount  
- [x] Ampère Seamount

**REFERENCES**  
Graham, 1988
**Cosmotriphora pseudocanarica** Bouchet, 1985

Triphoroidea
Triphoridae Gray, 1847

*Cosmotriphora* Olsson & Harbison, 1953

**DISTRIBUTION**
Mediterranean and NE Atlantic, shallow sublittoral.

**ECOLOGY**
Feeding on sponges?

**NOTES**
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES** Bouchet, 1984

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**Metaxia metaxae**
(Delle Chiaje, 1828)

Triphoroidea
Triphoridae Gray, 1847

*Metaxia* Monterosato, 1884

**DISTRIBUTION**
Mediterranean and NE Atlantic.

**ECOLOGY**
Feeding on sponges?

**NOTES**
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES** Bouchet, 1984

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**Strobiligera brychia**
(Bouchet & Guillemot, 1978)

Triphoroidea
Triphoridae Gray, 1847

*Strobiligera* Dall, 1924

**DISTRIBUTION**
Mediterranean and NE Atlantic.

**ECOLOGY**
Feeding on sponges?

**NOTES**
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES** Bouchet, 1984
**Cerithiella metula**  
(Lovén, 1846)  
Triphoroidea  
Cerithiopsidae  Adams H. & A., 1853  
*Cerithiella* Verrill, 1882  
**DISTRIBUTION**  
Iceland to Azores, 150-1,600 m.  

**ECOLOGY**  

**NOTES**  
☐ Seine Seamount  ☑ Gettysburg Seamount  
☐ Sedlo Seamount  ☑ Ampère Seamount  

**REFERENCES** Bouchet & Warén, 1993

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**Cerithiopsis minima**  
(Brusina, 1865)  
Triphoroidea  
Cerithiopsidae  Adams H. & A., 1853  
*Cerithiopsis* Forbes & Hanley, 1851  
**DISTRIBUTION**  
Mediterranean.  

**ECOLOGY**  

**NOTES**  
☐ Seine Seamount  ☑ Gettysburg Seamount  
☐ Sedlo Seamount  ☑ Ampère Seamount  

**REFERENCES**

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**Cerithiopsis sp.**  
Triphoroidea  
Cerithiopsidae  Adams H. & A., 1853  
*Cerithiopsis* Forbes & Hanley, 1851  
**DISTRIBUTION**  
unknown  

**ECOLOGY**  
unknown  

**NOTES**  
☐ Seine Seamount  ☑ Gettysburg Seamount  
☐ Sedlo Seamount  ☑ Ampère Seamount  

**REFERENCES**
**Eumetula bouvieri**  
*(Dautzenberg & Fischer, 1896)*

Triphoroidea  
Cerithiopsidae  Adams H.& A., 1853  
*Eumetula*  Thiele, 1912  

**DISTRIBUTION**  
Bay of Biscay to NW Afrika, banks off Iberian Peninsula and the Azores, bathyal.  

**ECOLOGY**  

**NOTES**

☐ Seine Seamount ☑ Gettysburg Seamount  
☐ Sedlo Seamount ☑ Ampère Seamount  

**REFERENCES**  
Bouchet & Warén, 1993

---

**Krachia tiara**  
*(Monterosato, 1874)*

Triphoroidea  
Cerithiopsidae  Adams H.& A., 1853  
*Krachia*  Baluk, 1975

**DISTRIBUTION**  
Mediterranean.  

**ECOLOGY**  

**NOTES**

☐ Seine Seamount ☑ Gettysburg Seamount  
☐ Sedlo Seamount ☑ Ampère Seamount  

**REFERENCES**

---

**Krachia sp. nov.**

Triphoroidea  
Cerithiopsidae  Adams H.& A., 1853  
*Krachia*  Baluk, 1975  

**DISTRIBUTION**  
Endemic on Ampère and Gettysburg Seamount!  

**ECOLOGY**  
unknown  

**NOTES**

☐ Seine Seamount ☑ Gettysburg Seamount  
☐ Sedlo Seamount ☑ Ampère Seamount  

**REFERENCES**
**Aclis sarsi**  
_Dautzenberg & Fischer, 1912_

_Janthinoidea_

_Aclididae  Sars G.O., 1878_

_Aclis  Lovén, 1846_

**DISTRIBUTION**  
Atlantic.

**ECOLOGY**  
unknown

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**  
Poppe & Goto, 1991

---

**Epitonium clathratulum**  
_(Kanmacher, 1798)_

_Janthinoidea_

_Epitoniidae  Berry S.S., 1910_

_Epitonium  Röding, 1798_

**DISTRIBUTION**  
Western Mediterranean to Norway, 30-100 m.

**ECOLOGY**

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**  
Graham, 1988

---

**Epitonium tiberii**  
_(de Boury, 1890)_

_Janthinoidea_

_Epitoniidae  Berry S.S., 1910 (1812)_

_Epitonium  Röding, 1798_

**DISTRIBUTION**  
Continental shelf of S Europe from the northern part of Bay of Biscay, Mediterranean.

**ECOLOGY**

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**  
Bouchet & Warén, 1986
**Epitonium algerianum**  
(Weinkauff, 1866)

Janthinoidea  
Epitoniidae  Berry S.S., 1910  
*Epitonium*  Röding, 1798

**DISTRIBUTION**  
Mediterranean and Bay of Biscay, Madeira, 50–400 m.

**ECOLOGY**

**NOTES**

☑ Seine Seamount  ☑ Gettysburg Seamount  
☐ Sedlo Seamount  ☐ Ampère Seamount

**REFERENCES** Bouchet & Warén, 1986

---

**Opalia hellenica**  
(Forbes, 1844)

Janthinoidea  
Epitoniidae  Berry S.S., 1910  
*Opalia*  Adams H.& A., 1853

**DISTRIBUTION**  
Adriatic and SW Mediterranean.

**ECOLOGY**  
unknown

**NOTES**

First record for the Lusitanian Seamounts.

☐ Seine Seamount  ☐ Gettysburg Seamount  
☐ Sedlo Seamount  ☐ Ampère Seamount

**REFERENCES** Poppe & Goto, 1991

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**Punctiscala cerigottana**  
(Sturany, 1896)

Janthinoidea  
Epitoniidae  Berry S.S., 1910  
*Punctiscala*  de Boury, 1890

**DISTRIBUTION**  
Mediterranean and tropical/subtropical N Atlantic, bathyal.

**ECOLOGY**

**NOTES**

☐ Seine Seamount  ☐ Gettysburg Seamount  
☐ Sedlo Seamount  ☑ Ampère Seamount

**REFERENCES** Bouchet & Warén, 1986
**Sticteulima jeffreysiana**
*(Brusina, 1869)*

**Eulimoidea**  
**Eulimidae  Philippi, 1853**

**Sticteulima  Laseron, 1955**

**DISTRIBUTION**  
Mediterranean and NE Atlantic.

**ECOLOGY**  
Parasitic.

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**

---

**Eulimidae gen. et spec. indet 3**

**DISTRIBUTION**  
unknown

**ECOLOGY**  
Parasitic.

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**

---

**Eulimidae gen. et spec. indet 4**

**DISTRIBUTION**  
unknown

**ECOLOGY**  
Parasitic.

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**
**Pelseneeria minor**
Koehler & Vaney, 1908

*Eulimoidea*  
*Eulimidae* Philippi, 1853  
*Pelseneeria* Koehler & Vaney, 1908

**DISTRIBUTION**  
The Azores, Madeira and the Mediterranean.

**ECOLOGY**  
Parasitic on Echinodermata.

**NOTES**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES**  
Bouchet & Warén, 1986

---

**Pelseneeria striata**
Bouchet & Warén, 1986

*Eulimoidea*  
*Eulimidae* Philippi, 1853  
*Pelseneeria* Koehler & Vaney, 1908

**DISTRIBUTION**  
Only known from the upper part of the slopes off the Azores.

**ECOLOGY**  
Parasitic on Echinodermata.

**NOTES**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES**  
Bouchet & Warén, 1986

---

**Benthonellania fayalensis**  
(Watson, 1886)

*Rissooidea*  
*Rissoidae* Gray, 1847  
*Benthonellania* Lozouet, 1990

**DISTRIBUTION**  
Endemic to the Azores and the Lusitanian Seamounts.

**ECOLOGY**

**NOTES**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES**  
Bouchet & Warén, 1993
**Benthonella tenella**
(Jeffreys, 1869)

Rissooidea  
Rissoidae  Gray, 1847  
*Benthonella* Dall, 1889

**Distribution**
Widespread in the NE Atlantic and the Mediterranean.

**Ecology**
Long living larval stages.

**Notes**

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<th>Gettysburg Seamount</th>
<th>Sedlo Seamount</th>
<th>Ampère Seamount</th>
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</table>

**References**
Bouchet & Warén, 1993

---

**Alvania zylensis**

Gofas & Warén, 1982

Rissooidea  
Rissoidae  Gray, 1847  
*Alvania* Risso, 1826

**Distribution**
Mediterranean and Strait of Gibraltar.

**Ecology**
Unknown

**Notes**

<table>
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<th>Seine Seamount</th>
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<th>Sedlo Seamount</th>
<th>Ampère Seamount</th>
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</thead>
</table>

**References**
Poppe & Goto, 1991

---

**Alvania cimicoides**

(Forbes, 1844)

Rissooidea  
Rissoidae  Gray, 1847  
*Alvania* Risso, 1826

**Distribution**
Arctic to the Mediterranean, bathyal.

**Ecology**

**Notes**

<table>
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<th>Seine Seamount</th>
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<th>Sedlo Seamount</th>
<th>Ampère Seamount</th>
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**References**
Poppe & Goto, 1991; Bouchet und Warén, 1993
Alvania adinogramma  
Bouchet & Warén, 1993

Rissooidea
Rissoidae  Gray, 1847
Alvania  Risso, 1826

**DISTRIBUTION**
Mediterranean and adjacent Atlantic, 300-1,000 m.

**ECOLOGY**
unknown

**NOTES**

☑ Seine Seamount  ☑ Gettysburg Seamount
☐ Sedlo Seamount  ☐ Ampère Seamount

**REFERENCES**
Poppe & Goto, 1991; Bouchet und Warén, 1993

Alvania cancellata  
(da Costa, 1778)

Rissooidea
Rissoidae  Gray, 1847
Alvania  Risso, 1826

**DISTRIBUTION**
Southern species, northern limits on the British Isles, usually sublittorally to depth of 90 m.

**ECOLOGY**
Detritivore.

**NOTES**

☑ Seine Seamount  ☑ Gettysburg Seamount
☐ Sedlo Seamount  ☐ Ampère Seamount

**REFERENCES**
Graham, 1988

Alvania subcrenulata  
(Bucquoy, Dautzenberg & Dollfus, 1884)

Rissooidea
Rissoidae  Gray, 1847
Alvania  Risso, 1826

**DISTRIBUTION**
? Mediterranean and NE Atlantic.

**ECOLOGY**
unknown

**NOTES**

☐ Seine Seamount  ☑ Gettysburg Seamount
☐ Sedlo Seamount  ☐ Ampère Seamount

**REFERENCES**
**Alvania beani**
(Hanley in Thorpe, 1844)

Rissooidea
Rissoidae Gray, 1847
Alvania Risso, 1826

**DISTRIBUTION**
Norway to Mediterranean.

**ECOLOGY**
unknown

**NOTES**
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**

---

**Alvania sp. 2**

Rissooidea
Rissoidae Gray, 1847
Alvania Risso, 1826

**DISTRIBUTION**
unknown

**ECOLOGY**
unknown

**NOTES**
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**

---

**Alvania microstriata**
Hoenselaar & Goud, 1998

Rissooidea
Rissoidae Gray, 1847
Alvania Risso, 1826

**DISTRIBUTION**
Only known from the Azores and the Lusitanian seamounts.

**ECOLOGY**
unknown

**NOTES**
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**

---
**Amphirissoa cyclostomoides**  
Dautzenberg & Fischer, 1897

Rissooidea  
Rissoidae Gray, 1847  
*Amphirissoa* Dautzenberg & Fischer H.,

**DISTRIBUTION**  
Vent fields close to the Azores.

**ECOLOGY**  
unknown

**NOTES**  
- [ ] Seine Seamount  
- [x] Sedlo Seamount  
- [x] Gettysburg Seamount  
- [ ] Ampère Seamount

**REFERENCES**  
Bouchet & Warén, 1993


**Gofasia josephinae**  
Bouchet & Warén, 1993

Rissooidea  
Rissoidae Gray, 1847  
*Gofasia* Bouchet & Warén, 1993

**DISTRIBUTION**  
Endemic of the Lusitanian Seamounts!

**ECOLOGY**  
unknown

**NOTES**  
- [ ] Seine Seamount  
- [x] Sedlo Seamount  
- [ ] Gettysburg Seamount  
- [x] Ampère Seamount

**REFERENCES**  
Bouchet & Warén, 1993


**Gofasia vanderlandi**  
Bouchet & Warén, 1993

Rissooidea  
Rissoidae Gray, 1847  
*Gofasia* Bouchet & Warén, 1993

**DISTRIBUTION**  
Endemic of the Lusitanian Seamounts!

**ECOLOGY**  
unknown

**NOTES**  
- [x] Seine Seamount  
- [ ] Sedlo Seamount  
- [x] Gettysburg Seamount  
- [x] Ampère Seamount

**REFERENCES**  
Bouchet & Warén, 1993
**Gofasia sp. nov.**

Rissooidea  
Rissoidae  Gray, 1847  
*Gofasia*  Bouchet & Warén, 1993

**DISTRIBUTION**  
Endemic of the Lusitanian Seamounts!

**ECOLOGY**  
unknown

**NOTES**  
Only known from the findings on Ampère Seamount.

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES**

---

**Manzonia sp. nov. 1**

Rissooidea  
Rissoidae  Gray, 1847  
*Manzonia*  Brusina, 1870

**DISTRIBUTION**  
Endemic of the Lusitanian Seamounts!

**ECOLOGY**  
unknown

**NOTES**  

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES**

---

**Manzonia sp. nov. 2**

Rissooidea  
Rissoidae  Gray, 1847  
*Manzonia*  Brusina, 1870

**DISTRIBUTION**  
Endemic of the Lusitanian Seamounts!

**ECOLOGY**  
unknown

**NOTES**  

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES**
**Manzonia sp. nov. 3**

Rissooidea  
Rissoidae Gray, 1847  
*Manzonia* Brusina, 1870

**DISTRIBUTION**  
Endemic of the Lusitanian Seamounts!

**ECOLOGY**  
unknown

**NOTES**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES**

**Pseudosetia amyralox**  
Bouchet & Warén, 1993

Rissooidea  
Rissoidae Gray, 1847  
*Pseudosetia* Monterosato, 1884

**DISTRIBUTION**  
North of Spain to the Azores, 155-1,650 m.

**ECOLOGY**  
unknown

**NOTES**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES**: Bouchet & Warén, 1993

**Setia sp.**

Rissooidea  
Rissoidae Gray, 1847  
*Setia* Adams H.& A., 1854

**DISTRIBUTION**  
unknown

**ECOLOGY**  
unknown

Only few specimens from Ampère Seamount.

**REFERENCES**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount
Crisilla sp.

Rissooidea
Rissoidae Gray, 1847
Crisilla Monterosata, 1917

DISTRIBUTION
unknown

ECOLOGY
unknown

NOTES

REFERENCES

---

Crisilla sp. nov.

Rissooidea
Rissoidae Gray, 1847
Crisilla Monterosata, 1917

DISTRIBUTION
Endemic of the Lusitanian Seamounts?

ECOLOGY
unknown

NOTES

REFERENCES

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Onoba sp. nov.

Rissooidea
Rissoidae Gray, 1847
Onoba Adams H.& A., 1854

DISTRIBUTION
Endemic of the Lusitanian Seamounts!

ECOLOGY
unknown

NOTES
Only known from Ampère Seamount.

REFERENCES
Rissooidea
Rissoidae Gray, 1847

**Rissoidae gen. nov. et sp. nov.**

**Distribution**
Endemic of the Lusitanian Seamounts!

**Ecology**
unknown

**Notes**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References**

- Bouchet & Warén, 1993

---

Teinostoma azoricum
(Dautzenberg & Fischer, 1896)

Rissooidea
Adeorbidae Monterosato, 1884
Teinostoma Adams, 1853

**Distribution**
Atlantic and Mediterranean.

**Ecology**
unknown

**Notes**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References**

- Bouchet & Warén, 1993

---

Neusas marshalli
(Sykes, 1925)

Rissooidea
Adeorbidae Monterosato, 1884
Neusas Warén & Bouchet, 2001

**Distribution**
Vent fields close to the Azores.

**Ecology**
unknown

**Notes**
First record from the Lusitanian Seamounts.

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References**

- Bouchet & Warén, 1993
### Circulus supranitidus
*(Wood S., 1848)*

**Rissooidea**  
**Adeorbidae** Monterosato, 1884  
**Circulus** Jeffreys, 1865  
**Circulus supranitidus** (Wood S., 1848)

**DISTRIBUTION**  
Mediterranean and Strait of Gibraltar.

**ECOLOGY**  
unknown

**NOTES**
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**

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### Megalomphalus azonus
*(Brusina, 1865)*

**Vanikoroidea**  
**Vanikoridæ Gray, 1840**  
**Megalomphalus** Brusina, 1875  
**Megalomphalus azonus** (Brusina, 1865)

**DISTRIBUTION**  
Mediterranean.

**ECOLOGY**

**NOTES**
- First record for the Lusitanian Seamounts.
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**  
Warén & Bouchet, 1988

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### Xenophora crispa
*(Koenig, 1825)*

**Xenophoroidea**  
**Xenophoridae** Troschel, 1852  
**Xenophora** Fischer Von Waldheim, 1807  
**Xenophora crispa** (Koenig, 1825)

**DISTRIBUTION**  
Mediterranean and NE Atlantic.

**ECOLOGY**  
On mud.

**NOTES**
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**
**Haloceras carinata**  
*(Jeffreys, 1883)*  
Calyptraeoida  
Haloceratidae  
Warén & Bouchet, 1991  
*Haloceras*  
Dall, 1889  

**DISTRIBUTION**  
N Atlantic between 27° N and 42° N, 700-2,075 m.  

**ECOLOGY**  
unknown  

**NOTES**  
- X Seine Seamount
- O Gettysburg Seamount
- O Sedlo Seamount
- X Ampère Seamount

**REFERENCES**  
Bouchet & Warén, 1993

---

**Trivia bitou**  
Pallary, 1912  
Lamellarioidea  
Triviidae  
Troschel, 1863  
*Trivia*  
Gray, 1837  

**DISTRIBUTION**  
Mediterranean.  

**ECOLOGY**  

**NOTES**  
- X Seine Seamount
- O Gettysburg Seamount
- O Sedlo Seamount
- X Ampère Seamount

**REFERENCES**

---

**Pedicularia sicula**  
Swainson, 1840  
Cypraeoidea  
Ovulidae  
Fleming, 1822  
*Pedicularia*  
Swainson, 1840  

**DISTRIBUTION**  
NE Atlantic and Mediterranean, bathyal (in the Mediterranean sometimes lower).  

**ECOLOGY**  
Parasitic on stylasterids.  

**NOTES**  
- X Seine Seamount
- O Gettysburg Seamount
- X Sedlo Seamount
- X Ampère Seamount

**REFERENCES**  
Bouchet & Warén, 1993
**Aperiovula juanjosensii**
Perez & Gomez, 1987

Cypraeoidea
Ovulidae Fleming, 1822
*Aperiovula* Cate, 1973

**Distribution**
unknown

**Ecology**

**Notes**

**References**

**Tectonatica rizzae**
(Philippi, 1844)

Naticoidea
Naticidae Guilding, 1834
*Tectonatica* Sacco, 1890

**Distribution**
Mediterranean, the Azores and Madeira, 20-400 m.

**Ecology**
Carnivorous.

**Notes**

**References** Bouchet & Warén, 1993

**Tectonatica sp.**

Naticoidea
Naticidae Guilding, 1834
*Tectonatica* Sacco, 1890

**Distribution**
unknown

**Ecology**
Carnivorous.

**Notes**

**References**
**Phalium saburon**  
(Bruguière, 1792)  

Tonnoidea  
Cassidae Latreille, 1825  
*Phalium* Link, 1807

**DISTRIBUTION**  
West African margin to the Strait of Gibraltar.

**ECOLOGY**

**NOTES**

* Seine Seamount  
  Gettysburg Seamount  
  Sedlo Seamount  
  Ampère Seamount

**REFERENCES**

Gofas & Beu, 2002

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**Charonia lampas**  
(Linné, 1758)

Tonnoidea  
Ranellidae Gray, 1854  
*Charonia* Gistel, 1848

**DISTRIBUTION**  
Mainly in the eastern North Atlantic, from the English Channel to Angola and in the Mediterranean.

**ECOLOGY**

**NOTES**

* Seine Seamount  
  Gettysburg Seamount  
  Sedlo Seamount  
  Ampère Seamount

**REFERENCES** Gofas & Beu, 2002

---

**Ranella olearium**  
(Linné, 1758)

Tonnoidea  
Ranellidae Gray, 1854  
*Ranella* Gray, 1854

**DISTRIBUTION**  
Eastern Atlantic from SW British Island to Angola. Rare in the Caribbean.

**ECOLOGY**

**NOTES**

* Seine Seamount  
  Gettysburg Seamount  
  Sedlo Seamount  
  Ampère Seamount

**REFERENCES** Gofas & Beu, 2002
**Bursa ranelloides**  
(Reeve, 1844)

*Tonnoidea*  
*Bursidae Thiele, 1925*  
*Bursa Röding, 1798*

**Distribution**  
Indo-West-Pacific, Indian Ocean and in the Atlantic. Azores, Madeira and Canaries.

**Ecology**

**Notes**

<table>
<thead>
<tr>
<th>Seine Seamount</th>
<th>Gettysburg Seamount</th>
<th>Sedlo Seamount</th>
<th>Ampère Seamount</th>
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</table>

**References** Gofas & Beu, 2002

---

**Bursa marginata**  
(Gmelin, 1791)

*Tonnoidea*  
*Bursidae Thiele, 1925*  
*Bursa Röding, 1798*

**Distribution**  
Common West-Atlantic species, known from the Canaries.

**Ecology**  
unknown

**Notes**

<table>
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<tr>
<th>Seine Seamount</th>
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<th>Ampère Seamount</th>
</tr>
</thead>
</table>

**References** Gofas & Beu, 2002

---

**Cytharomorula grayi**  
(Dall, 1889)

*Muricoidea*  
*Muricidae Rafinesque, 1815*  
*Cytharomorula Kuroda, 1953*

**Distribution**  
Caribbean and some E-Atlantic seamounts and islands; not known from European coasts, 100-200 m.

**Ecology**

**Notes**

<table>
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<th>Ampère Seamount</th>
</tr>
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</table>

**References** Bouchet & Warén, 1985

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**Orania fusulus**
(Brocchi, 1814)

Muricoidea
Muricidae  Rafinesque, 1815  
*Orania*  Pallary, 1900

**DISTRIBUTION**
Western parts of the Mediterranean and westwards to the Atlantic, 35-440 m.

**ECOLOGY**
Carnivorous (?)

**NOTES**

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<td>Ampère Seamount</td>
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**REFERENCES**
Bouchet & Warén, 1985

---

**Ocinebrina cf. aciculata**
(Lamarck, 1822)

Muricoidea
Muricidae  Rafinesque, 1815  
*Ocinebrina*  Jousseaume, 1880

**DISTRIBUTION**
British Isles and into the Mediterranean.

**ECOLOGY**
Carnivorous (?)

**NOTES**

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<td>Ampère Seamount</td>
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</table>

**REFERENCES**
Poppe & Goto, 1991

---

**Fusinus bocagei**
(Fischer P., 1882)

Muricoidea
Fasciolariidae Gray, 1853  
*Fusinus*  Rafinesque, 1815

**DISTRIBUTION**

**ECOLOGY**

**NOTES**

<table>
<thead>
<tr>
<th>Seine Seamount</th>
<th>Gettysburg Seamount</th>
</tr>
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<tbody>
<tr>
<td>Sedlo Seamount</td>
<td>Ampère Seamount</td>
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</tbody>
</table>

**REFERENCES**
Gofas, 2000
**Kryptos koehleri**  
(Locard, 1896)  
Muricoidea  
Buccinidae  Rafinesque, 1815  
*Kryptos* Jeffreys, 1896  

**DISTRIBUTION**  
Continental slope from the Bay of Biscay to Morocco and also in parts of the Alboran Sea, 800-2,000 m.  

**ECOLOGY**  
Probably feeding on detritus and polychaetes.  

**NOTES**  
Only reported from deep stations at Seine  

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount  

**REFERENCES**  
Bouchet & Warén, 1985; Bouchet & Taviani, 1989  

---  

**Chauvetia submamillata**  
(Bucquoy, Dautzenberg & Dollfus, 1882)  
Muricoidea  
Buccinidae  Rafinesque, 1815  
*Chauvetia* Monterosato, 1884  

**DISTRIBUTION**  
Mediterranean and the Canaries.  

**ECOLOGY**  

**NOTES**  
- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount  

**REFERENCES**  
Poppe & Goto, 1991  

---  

**Chauvetia brunnea**  
(Donovan, 1804)  
Muricoidea  
Buccinidae  Rafinesque, 1815  
*Chauvetia* Monterosato, 1884  

**DISTRIBUTION**  
Southern part of England and south to the Mediterranean.  

**ECOLOGY**  
Intertidal down to 60 m.  

**NOTES**  
- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount  

**REFERENCES**
**Belomitra quadruplex**
(Watson, 1882)

Muricoidea
Buccinidae Rafinesque, 1815
*Belomitra* Fischer P., 1882

**DISTRIBUTION**
Northern Atlantic south to 19° N.

**ECOLOGY**
unknown

**NOTES**

- Seine Seamount
- Ampère Seamount

**REFERENCES** Poppe & Goto, 1991

---

**Coralliophila panormitana**
(Monterosato, 1869)

Muricoidea
Coralliophilidae Chenu, 1859
*Coralliophila* Adams H. & A., 1853

**DISTRIBUTION**
Atlantic and W Mediterranean.

**ECOLOGY**
Parasitic

**NOTES**

- Seine Seamount
- Ampère Seamount

**REFERENCES** Bouchet & Warén, 1985

---

**Babelomurex sp.**

Muricoidea
Coralliophilidae Chenu, 1859
*Babelomurex* Coen, 1922

**DISTRIBUTION**
unknown

**ECOLOGY**
Parasitic

**NOTES**

- Seine Seamount
- Ampère Seamount

**REFERENCES**
**Nassarius denticulatus**  
(Adams A., 1852)

Muricoidea  
Nassariidae Iredale, 1916  
*Nassarius* Duméril, 1806

**Distribution**  
Mediterranean and adjacent Atlantic, 20-75 m.

**Ecology**

**Notes**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References**  
Consolado-Macedo et al., 1999

---

**Nassarius macrodon recidivus**  
(Martens, 1876)

Muricoidea  
Nassariidae Iredale, 1916  
*Nassarius* Duméril, 1806

**Distribution**  
E Atlantic off Africa, Canaries and the Azores, Mediterranean.

**Ecology**

**Notes**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References**  
Consolado-Macedo et al., 1999

---

**Mitrella pallaryi**  
(Dautzenberg, 1927)

Muricoidea  
Columbellidae Swainson, 1840  
*Mitrella* Risso, 1826

**Distribution**  
Western Mediterranean, Canaries and the Azores.

**Ecology**

**Notes**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References**  
Poppe & Goto, 1991
**Amphissa acutecostata** (Philippi, 1844)

Muricoidea  
Columbellidae  
Swainson, 1840  
*Amphissa*  
Adams H. & A., 1853

**DISTRIBUTION**
NE and NW Atlantic, the Azores and in the Mediterranean, 150-700 m.

**ECOLOGY**

**NOTES**

**REFERENCES** Bouchet & Waren, 1985

**Marginella colomborum** (Bozzetti, 1995)

Muricoidea  
Marginellidae  
Fleming, 1828  
*Marginella*  
Lamarck, 1799

**DISTRIBUTION**
Endemic to Lusitanian Seamounts.

**ECOLOGY**
unknown

**NOTES**

**REFERENCES**

**Teretia teres** (Reeve, 1844)

Conoidea  
Conidae  
Rafinesque, 1815  
*Teretia*  
Norman, 1888

**DISTRIBUTION**
Atlantic and Mediterranean.

**ECOLOGY**

**NOTES**

**REFERENCES** Poppe & Goto, 1991
**Gymnobela agassizi**  
(Verrill & Smith, 1880)

Conoidea  
Conidae Rafinesque, 1815  
*Gymnobela* Verrill, 1884

**Distribution**  
N Atlantic.

**Ecology**

**Notes**

**References** Bouchet & Warén, 1980

---

**Neopleurotomoides callembyron**  
(Dautzenberg & Fischer, 1897)

Conoidea  
Conidae Rafinesque, 1815  
*Neopleurotomoides* Shuto, 1971

**Distribution**  
Few findings from the N Atlantic (MONACO, USNM cruises).

**Ecology**  
unknown

**Notes**

**References** Bouchet & Warén, 1980

---

**Pleurotomella demosia**  
(Dautzenberg & Fischer, 1896)

Conoidea  
Conidae Rafinesque, 1815  
*Pleurotomella* Verrill, 1872

**Distribution**  
Only known from 9 stations from MONACO, PORCUPINE and TRAVAILLEUR cruises.

**Ecology**  
unknown

**Notes**

**References** Bouchet & Warén, 1980
**Pleurotomella sp.2**

Conoidea
Conidae Rafinesque, 1815

*Pleurotomella* Verrill, 1872

**Distribution**
unknown

**Ecology**
unknown

**Notes**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References**

**Mangelia serga**

(Dall, 1881)

Conoidea
Conidae Rafinesque, 1815

*Mangelia* Risso, 1826

**Distribution**
Northern Mid-Atlantic and the Mediterranean.

**Ecology**
No operculum, planctotrophic larval development.

**Notes**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References** Bouchet & Warén, 1980

**Lusitanops sp.**

Conoidea
Conidae Rafinesque, 1815

*Lusitanops* Nordsieck, 1968

**Distribution**
unknown

**Ecology**
unknown

**Notes**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References**
**Crassopleura maravignae**  
(Bivona, 1838)  
Conoidea  
Drilliidae Morrison, 1966  
Crassopleura Monterosato, 1884  

**Distribution**  
unknown  

**Ecology**  
unknown  

**Notes**  
unknown  

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount  

**References**  

**Spirotropis azoricus**  
Bouchet & Warén, 1980  
Conoidea  
Drilliidae Morrison, 1966  
Spirotropis Sars G.O., 1878  

**Distribution**  
Azores.  

**Ecology**  
unknown  

**Notes**  
unknown  

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount  

**References**  
Bouchet & Warén, 1980  

**Solatisonax alleryi**  
(Seguenza G., 1876)  
Architectonicoidea  
Architectonicidae Gray, 1850  
Solatisonax Iredale, 1931  

**Distribution**  
Mediterranean and Atlantic.  

**Ecology**  
unknown, parasitic?  

**Notes**  
unknown  

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount  

**References**  
Melone & Taviani, 1982  

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**Pseudomalaxis sp.**

Architectonicoida  
Architectonicidae Gray, 1850  
*Pseudomalaxis* Fischer P., 1885

**Distribution**  
Unknown

**Ecology**  
Unknown

**Notes**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References**

- From Seine Seamount

---

**Mathilda cochlaeformis**  
Brugnone, 1873

Architectonicoida  
Mathildidae Dall, 1889  
*Mathilda* Semper, 1865

**Distribution**  
Mediterranean and adjacent Atlantic.

**Ecology**

**Notes**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References** Poppe & Goto, 1991

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**Odostomia turrita**  
Hanley, 1844

Pyramidelloidea  
Pyramidellidae Gray, 1840  
*Odostomia* Fleming, 1813

**Distribution**  
NE Atlantic from Angola up to Norway, the Canary Islands and Madeira also in the Mediterranean.

**Ecology**  
Commensal or parasitic?

**Notes**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References** Penas & Rolán, 1999

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**Odostomia sp. 2**

Pyramidelloidea
  Pyramidellidae  Gray, 1840
  Odostomia  Fleming, 1813

**Distribution**
unknown

**Ecology**
Commensal or parasitic?

**Notes**
- Seine Seamount
- Sedlo Seamount
- Gettysburg Seamount
- Ampère Seamount

**References**
- Penas & Rolán, 1999

---

**Eulimella unifasciata**
(Forbes, 1844)

Pyramidelloidea
  Pyramidellidae  Gray, 1840
  Eulimella  Gray, 1847

**Distribution**
N Atlantic, off W Africa down to Angola, the Azores, Canaries and in the Mediterranean.

**Ecology**

**Notes**
- Seine Seamount
- Sedlo Seamount
- Gettysburg Seamount
- Ampère Seamount

**References**
- Penas & Rolán, 1999

---

**Eulimella sp. 1**

Pyramidelloidea
  Pyramidellidae  Gray, 1840
  Eulimella  Gray, 1847

**Distribution**
unknown

**Ecology**
unknown

**Notes**
- Seine Seamount
- Sedlo Seamount
- Gettysburg Seamount
- Ampère Seamount

**References**
- Penas & Rolán, 1999
**Odostomella doliolum**  
*(Philippi, 1844)*

Pyramidelloidea  
Pyramidellidae  
*Odostomella* Bucquoy, Dautzenberg & Dollfus, 1883

**DISTRIBUTION**
Atlantic and the Mediterranean.

**ECOLOGY**

**NOTES**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES** Poppe & Goto, 1991

---

**Turbonilla crenata**  
*(Brown, 1827)*

Pyramidelloidea  
Pyramidellidae  
*Turbonilla* Risso, 1826

**DISTRIBUTION**
unknown

**ECOLOGY**

**NOTES**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES**

---

**Turbonilla aff. micans**  
*(Monterosato, 1875)*

Pyramidelloidea  
Pyramidellidae  
*Turbonilla* Risso, 1826

**DISTRIBUTION**
Mediterranean and E Atlantik off Morocco. Also on Hyères and Atlantis Bank, until 1,340 m.

**ECOLOGY**

**NOTES**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES** Penas & Rolán, 1999
**Turbonilla sp. 2**

Pyramidelloidea
Pyramidellidae Gray, 1840
*Turbonilla* Risso, 1826

**Distribution**
unknown

**Ecology**
unknown

**Notes**
- ☑ Seine Seamount
- ☑ Gettysburg Seamount
- ☑ Sedlo Seamount
- ☑ Ampère Seamount

**References**

---

**Atomiscala islandica**
Warén, 1989

Pyramidelloidea
Pyramidellidae Gray, 1840
*Atomiscala* de Boury, 1909

**Distribution**
? NE Atlantic.

**Ecology**

**Notes**
- ☐ Seine Seamount
- ☑ Gettysburg Seamount
- ☑ Sedlo Seamount
- ☑ Ampère Seamount

**References**

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**Cima cylindrica**
(Jeffreys, 1856)

uncertain
Cimidae Warén, 1993
*Cima* Chaster, 1898

**Distribution**
Mediterranean.

**Ecology**

**Notes**
- ☐ Seine Seamount
- ☑ Gettysburg Seamount
- ☑ Sedlo Seamount
- ☑ Ampère Seamount

**References**
Pope & Goto, 1991; Dantart et al., 1990
Graphis gracilis
(Monterosato, 1874)

uncertain
Cimidae Warén, 1993

Graphis Jeffreys, 1867

DISTRIBUTION
Bay of Biscay and the Mediterranean.

ECOLOGY

NOTES

REFERENCES
Consolado-Macedo et al., 1999

Omalogyridae gen. et. spec. indet. 1

Omalogyroidea
Omalogyridae Sars G.O., 1878

DISTRIBUTION
unknown

ECOLOGY
unknown

NOTES

REFERENCES

Omalogyridae gen. et. spec. indet. 2

Omalogyroidea
Omalogyridae Sars G.O., 1878

DISTRIBUTION
unknown

ECOLOGY
unknown

NOTES

REFERENCES
Omalogyridae gen. et. spec. indet. 3

Omalogyroidea
Omalogyridae Sars G.O., 1878

**DISTRIBUTION**
unknown

**ECOLOGY**
unknown

**NOTES**

- Seine Seamount
- Ampère Seamount
- Gettysburg Seamount
- Sedlo Seamount

**REFERENCES**

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**Retusa obtusa** (Montagu, 1803)

Cephalaspidea
Retusidae Thiele, 1925

**Retusa** Brown, 1827

**DISTRIBUTION**
Iceland and from Scandinavia south to the British Isles, intertidal down to 300 m.

**ECOLOGY**

**NOTES**

- Seine Seamount
- Ampère Seamount
- Gettysburg Seamount
- Sedlo Seamount

**REFERENCES** Poppe & Goto, 1991

---

**Retusa sp.**

Cephalaspidea
Retusidae Thiele, 1925

**Retusa** Brown, 1827

**DISTRIBUTION**
unknown

**NOTES**

- Seine Seamount
- Ampère Seamount
- Gettysburg Seamount
- Sedlo Seamount

**REFERENCES**

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References:
**Pyrunculus ovatus**  
*(Jeffreys, 1871)*

Cephalaspidea  
Retusidae  
Thiele, 1925  
Pyrunculus  
Pilsbry, 1895

**DISTRIBUTION**  
Amphiatlantic deep-water species, never been recorded alive in the Mediterranean.

**ECOLOGY**  
Feeds on Foraminifera.

**NOTES**

☑ Seine Seamount  ☐ Gettysburg Seamount  ☐ Sedlo Seamount  ☑ Ampère Seamount

**REFERENCES**  
Tringali & Oliverio, 2001

---

**Cylichna alba**  
*(Brown, 1827)*

Cephalaspidea  
Cylichinidae  
Adams H. & A., 1854  
Cylichna  
Lovén, 1846

**DISTRIBUTION**  
Off NW Ireland, Shetlands.

**ECOLOGY**  
unknown

**NOTES**

☑ Seine Seamount  ☐ Gettysburg Seamount  ☐ Sedlo Seamount  ☑ Ampère Seamount

**REFERENCES**  
Poppe & Goto, 1991

---

**Acteocina sp.**

Cephalaspidea  
Cylichinidae  
Adams H. & A., 1854  
Acteocina  
Gray, 1847

**DISTRIBUTION**  
unknown

**ECOLOGY**  
unknown

**NOTES**

☐ Seine Seamount  ☐ Gettysburg Seamount  ☐ Sedlo Seamount  ☑ Ampère Seamount

**REFERENCES**
**Philine condensa**
van der Linden, 1995

Cephalaspidea
Philinidae Gray, 1850
*Philine* Ascanius, 1772

**DISTRIBUTION**
Around the Azores and the Canary Islands in 110-620 m.

**ECOLOGY**
unknown

**NOTES**

| Seine Seamount | Gettysburg Seamount | Sedlo Seamount | Ampère Seamount |

**REFERENCES** Van der Linden, 1995

---

**Laona sp.**

Cephalaspidea
Philinidae Gray, 1850
*Laona* Adams A., 1865

**DISTRIBUTION**
unknown

**ECOLOGY**
unknown

**NOTES**

| Seine Seamount | Gettysburg Seamount | Sedlo Seamount | Ampère Seamount |

**REFERENCES**

---

**Japonacteon pusillus**
*(MacGillivray, 1843)*

Cephalaspidea
Acteonidae d’Orbigny, 1842
*Japonacteon* Taki, 1956

**DISTRIBUTION**
Atlantic and Mediterranean, from the deep circalitoral to the bathyal.

**ECOLOGY**
Always on muddy and muddy-detritic bottoms.

**NOTES**

| Seine Seamount | Gettysburg Seamount | Sedlo Seamount | Ampère Seamount |

**REFERENCES** Smriglio & Mariottini, 1996; Poppe & Goto 1991

---
**Crenilabrum exile**
(Jeffreys, 1870)

Cephalaspidea  
Acteonidae d'Orbigny, 1842  
Crenilabrum Kobelt, 1892

**Distribution**
Atlantic and Mediterranean.

**Ecology**
unknown

**Notes**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References** Poppe & Goto, 1991

---

**Haminoea sp.**

Cephalaspidea  
Hamnoidae  
Haminoea Turton & Kingston, 1830

**Distribution**
unknown

**Ecology**
unknown

**Notes**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References**

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**Anidolyta duebeni**
(Lovén, 1846)

Notaspidea  
Tylodinidae  
Anidolyta Willan, 1987

**Distribution**

**Ecology**
Most probably feeding on sponges.

**Notes**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**References** Warén, 1996

---
**Tylodina perversa**  
*(Gmelin, 1791)*

Notaspidea  
Tylodinidae  
*Tylodina* Rafinesque, 1819

**Distribution**  
Mediterranean and the Canaries.

**Ecology**  
Feeding on sponges.

**Notes**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**References**  
Poppe & Goto, 1991

---

**Williamia gussonii**  
*(Costa O.G., 1829)*

Notaspidea  
Siphonariidae  
*Williamia* Monterosato, 1884

**Distribution**  
Unknown

**Ecology**  
Unknown

**Notes**

- Seine Seamount  
- Sedlo Seamount  
- Gettysburg Seamount  
- Ampère Seamount

**References**

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**Nucula sp.**

Nuculoida  
Nuculidae  
*Nucula* Lamarck, 1799

**Distribution**  
Unknown

**Ecology**  
Soft substrates.

**Notes**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**References**
**Yoldiella messanensis**
*(Jeffreys, 1870)*

*Nuculoida*

**Yoldiidae** Gilbert & van de Poel, 1965  
**Yoldiella** Verrill & Bush, 1897  

**DISTRIBUTION**  
Atlantic and Mediterranean, 80-4,500 m.  

**ECOLOGY**  
Soft substrates.  

**NOTES**  
- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount  

**REFERENCES** Poppe & Goto, 1993; Salas, 1996

---

**Yoldia minima**
*Seguenza G., 1877*

*Nuculoida*

**Yoldiidae** Gilbert & van de Poel, 1965  
**Yoldia** Møller, 1842  

**DISTRIBUTION**  
NE Atlantic and Mediterranean and Black Sea.  

**ECOLOGY**  
Soft substrates.  

**NOTES**  
- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount  

**REFERENCES**

---

**Asperarca nodulosa**
*(Müller O.F., 1776)*

*Arcidea*

**Arcidae** Lamarck, 1809  
**Asperarca** Sacco, 1898  

**DISTRIBUTION**  
Mediterranean and adjacent Atlantic.  

**ECOLOGY**  
Attached by byssus.  

**NOTES**  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount  

**REFERENCES** Poppe & Goto, 1993; Salas, 1996
**Arca tetragona**
Poli, 1795

*Arcidea*
*Arcidae* Lamarck, 1809
*Arca* Linné, 1758

**DISTRIBUTION**
Atlantic and Mediterranean.

**ECOLOGY**
Prefers cryptic habitats.

**NOTES**

- Mediterranean, 40-1,000 m depth.
- On mud.

**REFERENCES**
Poppe & Goto, 1993, Salas, 1996

---

**Bathyarca pectunculoides**
(Scacchi, 1834)

*Arcidea*
*Arcidae* Lamarck, 1809
*Bathyarca* Kobelt, 1891

**DISTRIBUTION**
Mediterranean, NE Atlantic and the Azores in 40-1,000 m depth.

**ECOLOGY**
On mud.

**NOTES**

- Mediterranean, NE Atlantic and the Azores in 40-1,000 m depth.
- On mud.

**REFERENCES**
Poppe & Goto, 1993; Salas, 1996

---

**Bathyarca philippiana**
(Nyst, 1848)

*Arcidea*
*Arcidae* Lamarck, 1809
*Bathyarca* Kobelt, 1891

**DISTRIBUTION**
Mediterranean and Azores.

**ECOLOGY**

**NOTES**

- Mediterranean and Azores.
- On mud.

**REFERENCES**
Poppe & Goto, 1993, Salas, 1996
**Limopsis aurita**  
(Brocchi, 1814)

Limopsidea  
Limopsidae   Dall, 1895  
Limopsis   Sassi, 1827  

**DISTRIBUTION**  
Amphiatlantic species, down to 900 m depth.

**ECOLOGY**  
Indicator of strong bottom currents.

**NOTES**  
- Seine Seamount  
- Gettysburg Seamount  
- Ampère Seamount  

**REFERENCES**  
Poppe & Goto, 1993; Salas 1996; Tebble, 1976

---

**Limopsis friedbergi**  
Glibert & van de Poel, 1965

Limopsidea  
Limopsidae   Dall, 1895  
Limopsis   Sassi, 1827  

**DISTRIBUTION**  
? NE Atlantic and into the Mediterranean.

**ECOLOGY**  
Indicator of strong bottom currents.

**NOTES**  
- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES**  
Salas, 1996

---

**Limopsis angusta**  
Jeffreys, 1879

Limopsidea  
Limopsidae   Dall, 1895  
Limopsis   Sassi, 1827  

**DISTRIBUTION**  
Moroccan Gulf, Western Mediterranean and adjacent Atlantic.

**ECOLOGY**  
Indicator of strong bottom currents.

**NOTES**  
- Seine Seamount  
- Gettysburg Seamount

**REFERENCES**  
Poppe & Goto, 1993
**Limopsis minuta**  
(Philippi, 1836)  

Linopsidae  
Limopsidae  
Dall, 1895  
*Limopsis*  
Sassi, 1827  

**Distribution**  
Amphiatlantic species.  

**Ecology**  
Indicator of strong bottom currents.  

**Notes**  
Rare amongst the *Limopsis* spp. on the seamounts.  

- Seine Seamount  
- Sedlo Seamount  
- Gettysburg Seamount  
- Ampère Seamount  

**References**  
Poppe & Goto, 1993  

**Glycymeris glycymeris**  
(Linné, 1758)  

Arcoida  
Glycymerididae  
Newton, 1916  
*Glycymeris*  
da Costa, 1778  

**Distribution**  
Atlantic and Mediterranean.  

**Ecology**  

**Notes**  

- Seine Seamount  
- Sedlo Seamount  
- Gettysburg Seamount  
- Ampère Seamount  

**References**  
Poppe & Goto, 1993  

**Gregariella petagnae**  
(Scacchi, 1832)  

Mytiloidea  
Mytilidae  
Rafinesque, 1815  
*Gregariella*  
Monterosato, 1883  

**Distribution**  
Mediterranean and Atlantic south to Angola.  

**Ecology**  

**Notes**  

- Seine Seamount  
- Sedlo Seamount  
- Gettysburg Seamount  
- Ampère Seamount  

**References**  
Poppe & Goto, 1993
**Dacrydium wereni**  
Salas & Gofas, 1997

Mytiloidea  
Mytilidae  Rafinesque, 1815  
*Dacrydium*  Torell, 1859

**DISTRIBUTION**  
unknown

**ECOLOGY**

**NOTES**

☑ Seine Seamount  ☐ Gettysburg Seamount  
☑ Sedlo Seamount  ☐ Ampère Seamount

**REFERENCES**

**Modiolula phaseolina**  
(Philippi, 1844)

Mytiloidea  
Mytilidae  Rafinesque, 1815  
*Modiolula* Sacco, 1898

**DISTRIBUTION**

Norway to Morocco and the Mediterranean.

**ECOLOGY**

Attached by byssus.

**NOTES**

☐ Seine Seamount  ☑ Gettysburg Seamount  
☐ Sedlo Seamount  ☑ Ampère Seamount

**REFERENCES** Poppe & Goto, 1993

**Pteria hirundo**  
(Linné, 1758)

Pterioida  
Pteriidae Gray, 1847  
*Pteria* Scopoli, 1777

**DISTRIBUTION**

NE Atlantic and Mediterranean, Azores.

**ECOLOGY**

Attached by byssus.

**NOTES**

☑ Seine Seamount  ☑ Gettysburg Seamount  
☑ Sedlo Seamount  ☑ Ampère Seamount

**REFERENCES**
**Parvamussium fenestratum**  
(Forbes, 1844)  

Pterioida  
Propeamussidae  
*Parvamussium*  
Sacco, 1897  

**DISTRIBUTION**  
British Isles to Gibraltar, Azores and Canaries, 50 - 2,000 m.  

**ECOLOGY**  

**NOTES**  

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount  

**REFERENCES**  
Dijkstra & Gofas, 2004  

---  

**Parvamussium propinquum**  
(Smith E.A., 1885)  

Pterioida  
Propeamussidae  
*Parvamussium*  
Sacco, 1897  

**DISTRIBUTION**  
Subtropical E Atlantic.  

**ECOLOGY**  

**NOTES**  

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount  

**REFERENCES**  
Dijkstra & Gofas, 2005  

---  

**Similpecten similis**  
(Laskey, 1811)  

Pterioida  
Propeamussidae  
*Similpecten*  
Winckworth, 1932  

**DISTRIBUTION**  

**ECOLOGY**  
On coarse sand.  

**NOTES**  

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount  

**REFERENCES**  
Poppe & Goto, 1993; Dijkstra & Gofas, 2004
**Aequipecten commutatus**  
(Monterosato, 1875)

*Pterioida*
*Pectinidae* Rafinesque, 1815
*Aequipecten* Fischer P., 1886

**DISTRIBUTION**
Mediterranean and adjacent Atlantic.

**ECOLOGY**

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES** Dijkstra & Gofas, 2004

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**Palliolum incomparabile**  
(Risso, 1826)

*Pterioida*
*Pectinidae* Rafinesque, 1815
*Palliolum* Monterosato, 1884

**DISTRIBUTION**
Boreal to tropical NE Atlantic, Mediterranean.

**ECOLOGY**

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES** Dijkstra & Gofas, 2004

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**Chlamys multistriata**  
(Poli, 1795)

*Pterioida*
*Pectinidae* Rafinesque, 1815
*Chlamys* Röding, 1798

**DISTRIBUTION**
Mediterranean and Atlantic until South Africa, not northwards into the NE Atlantic.

**ECOLOGY**

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES** Dijkstra & Gofas, 2004
Chlamys pesfelis
(Linné, 1758)

Pterioida
Pectinidae Rafinesque, 1815
Chlamys Röding, 1798

DISTRIBUTION
Mediterranean and adjacent Atlantic.

ECOLOGY

NOTES

REFERENCES Dijkstra & Gofas, 2004

Lima lima
(Linné, 1758)

Pterioida
Limidae Rafinesque, 1815
Lima Bruguière, 1797

DISTRIBUTION
Atlantic and Mediterranean, normally in 3-100 m depth.

ECOLOGY
Attached by byssus.

NOTES

REFERENCES Poppe & Goto, 1993

Lima marioni
Fischer P., 1882

Pterioida
Limidae Rafinesque, 1815
Lima Bruguière, 1797

DISTRIBUTION
In Europe from Morocco to the Gulf of Gascogne also found alive on Rockall Bank.

ECOLOGY

NOTES
Seems to indicate an influence of MOW!

REFERENCES Poppe & Goto, 1993
**Limaria hians**  
*(Gmelin, 1791)*

**Pterioida**

Limidae   Rafinesque, 1815  
*Limaria* Link, 1807

**Distribution**  
Norway to Mediterranean.

**Ecology**  
Able to swim!

**Notes**

- [ ] Seine Seamount  
- [ ] Gettysburg Seamount  
- [ ] Sedlo Seamount  
- [ ] Ampère Seamount

**References**  
Tebble, 1976

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**Limatula subauriculata**  
*(Montagu, 1808)*

**Pterioida**

Limidae   Rafinesque, 1815  
*Limatula* Wood S.V., 1839

**Distribution**  
Atlantic and Mediterranean.

**Ecology**

**Notes**

- [ ] Seine Seamount  
- [ ] Gettysburg Seamount  
- [ ] Sedlo Seamount  
- [ ] Ampère Seamount

**References**  
Poppe & Goto, 1993

---

**Limatula gwyni**  
*(Sykes, 1903)*

**Pterioida**

Limidae   Rafinesque, 1815  
*Limatula* Wood S.V., 1839

**Distribution**  
Cosmopolitan.

**Ecology**

**Notes**

- [ ] Seine Seamount  
- [ ] Gettysburg Seamount  
- [ ] Sedlo Seamount  
- [ ] Ampère Seamount

**References**  
Poppe & Goto, 1993
**Notolimea crassa**  
*(Forbes, 1844)*

Pterioida  
Limiidae  Rafinesque, 1815  
Notolimea  Iredale, 1924

**Distribution**  
NE Atlantic and Mediterranean, Azores.

**Ecology**  
On muddy substrate.

**Notes**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**References**  
Poppe & Goto, 1993

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**Neopycnodonte cochlear**  
*(Poli, 1795)*

Pterioida  
Gryphaeidae  Vyalov, 1936  
Neopycnodonte  Stenzel, 1971

**Distribution**  
Norway to Mediterranean.

**Ecology**  
Sessile on hard substrate.

**Notes**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**References**  
Poppe & Goto, 1993

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**Thyasira succisa**  
*(Jeffreys, 1876)*

Veneroida  
Thyasiridae  Dall, 1900  
Thyasira  Lamarck, 1818

**Distribution**  
NE Atlantic and Mediterranean, Azores.

**Ecology**

**Notes**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**References**  
Poppe & Goto, 1993, Olliver & Killeen, 2002
**Chama gryphoides**  
Linné, 1758

Veneroida  
Chamidae Lamarck, 1809  
_Chama_ Linné, 1758

**DISTRIBUTION**  
Mediterranean and adjacent Atlantic.

**ECOLOGY**  
Hard substrates.

**NOTES**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES** Poppe & Goto, 1993

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**Bornia sebetia**  
(Costa O.G., 1829)

Veneroida  
Kellidae Forbes & Hanley, 1849  
_Bornia_ Philippi, 1836

**DISTRIBUTION**  
Mediterranean and adjacent Atlantic.

**ECOLOGY**

**NOTES**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES** Poppe & Goto, 1993

---

**Kellia sp. nov.**

Veneroida  
Kellidae Forbes & Hanley, 1849  
_Kellia_ Turton, 182

**DISTRIBUTION**  
unknown

**ECOLOGY**

**NOTES**

- Seine Seamount  
- Gettysburg Seamount  
- Sedlo Seamount  
- Ampère Seamount

**REFERENCES**

104
Mysella bidentata  
(Montagu, 1803)

Veneroida  
Montacutidae  Clark W., 1855  
Mysella  Angas, 1877

**DISTRIBUTION**
Norway to Mediterranean and Black Sea.

**ECOLOGY**
Sometimes associated with sipunculids or ophiuroids.

**NOTES**

**REFERENCES**  
Poppe & Goto, 1993; Tebble, 1976

Mysella sp.  

Veneroida  
Montacutidae  Clark W., 1855  
Mysella  Angas, 1877

**DISTRIBUTION**
unknown 

**ECOLOGY**

**NOTES**
Probably *Mysella ovata* by Jeffreys, never cited again.

**REFERENCES**

Montacuta ferruginosa  
(Montagu, 1808)

Veneroida  
Montacutidae  Clark W., 1855  
Montacuta  Turton, 1822

**DISTRIBUTION**
Northern Norway into the Mediterranean.

**ECOLOGY**
Particularly in fine muddy sand.

**NOTES**

**REFERENCES**
Cardita calyculata
(Linneé, 1758)
Veneroida
Carditidae Fleming, 1828
Cardita Bruguière, 1792
**DISTRIBUTION**
Abundant in the Mediterranean, adjacent Atlantic.

**ECOLOGY**
Hard substrates.

**NOTES**
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES** Poppe & Goto, 1993

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Astarte sulcata
(da Costa, 1778)
Veneroida
Astartidae d'Orbigny, 1844
Astarte Sowerby J., 1816

**DISTRIBUTION**
NE Atlantic and Mediterranean.

**ECOLOGY**
On soft substrate.

**NOTES**
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES** Poppe & Goto, 1993

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Papillicardium papillosum
(Poli, 1791)
Veneroida
Cardiidae Lamarck, 1809
Papillicardium Sacco, 1899

**DISTRIBUTION**
Atlantic and Mediterranean, between 1 and 40 m.

**ECOLOGY**
On coarse sand.

**NOTES**
- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES**
**Gari costulata**  
(Turton, 1822)

Veneroida  
Psammobiidae Fleming, 1828  
Gari Schumacher, 1817

**DISTRIBUTION**  
NE Atlantic and Mediterranean.

**ECOLOGY**  
On muddy substrate.

**NOTES**

☑ Seine Seamount  ☑ Gettysburg Seamount  
☐ Sedlo Seamount  ☐ Ampère Seamount

**REFERENCES** Poppe & Goto, 1993

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**Vesicomya sp.**

Veneroida  
Vesicomyidae Dall & Simpson, 1901  
Vesicomya Dall, 1886

**DISTRIBUTION**  
unknown

**ECOLOGY**

**NOTES**

☑ Seine Seamount  ☐ Gettysburg Seamount  
☐ Sedlo Seamount  ☐ Ampère Seamount

**REFERENCES**

---

**Gouldia minima**  
(Montagu, 1803)

Veneroida  
Veneridae Rafinesque, 1815  
Gouldia Adams C.B., 1847

**DISTRIBUTION**  
NE Atlantic and Mediterranean.

**ECOLOGY**  
Prefers coarse sands.

**NOTES**

☑ Seine Seamount  ☑ Gettysburg Seamount  
☐ Sedlo Seamount  ☑ Ampère Seamount

**REFERENCES** Poppe & Goto, 1993
**Venus casina**
Linné, 1758

Veneroida  
Veneridae  Rafinesque, 1815  
*Venus* Linné, 1758

**DISTRIBUTION**  
NE Atlantic and Mediterranean.

**ECOLOGY**

**NOTES**

□ Seine Seamount  □ Gettysburg Seamount  
□ Sedlo Seamount  □ Ampère Seamount

**REFERENCES** Tebbel, 1976; Poppe & Goto, 1993

---

**Timoclea ovata**  
(Pennant, 1777)

Veneroida  
Veneridae  Rafinesque, 1815  
*Timoclea* Brown, 1827

**DISTRIBUTION**  
NE Atlantic, Mediterranean and Black Sea.

**ECOLOGY**  
Shallow burrower in bottoms of sand.

**NOTES**

□ Seine Seamount  □ Gettysburg Seamount  
□ Sedlo Seamount  □ Ampère Seamount

**REFERENCES** Poppe & Goto, 1993; Tebble, 1976

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**Hiatella arctica**  
(Linné, 1767)

Myoida  
Hiattellidae  Gray, 1824  
*Hiatella* Daudin in Bosc, 1801

**DISTRIBUTION**

**ECOLOGY**  
Frequently in cryptic habitats.

**NOTES**

□ Seine Seamount  □ Gettysburg Seamount  
□ Sedlo Seamount  □ Ampère Seamount

**REFERENCES** Poppe & Goto, 1993
**Poromya neaeroides**
Seguenza G., 1877

- **Verticordioidea**
- **Poromyidae** Dall, 1886
- *Poromya* Forbes, 1844

**DISTRIBUTION**
Mediterranean.

**ECOLOGY**
unknown

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES** Salas, 1996; Poppe & Goto, 1993

**Verticordia acuticostata**
(Philippi, 1844)

- **Verticordioidea**
- **Verticordiidae** Stoliczka, 1871
- *Verticordia* Wood, 1844

**DISTRIBUTION**
Cosmopolitan.

**ECOLOGY**
unknown

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES** Salas, 1996; Poppe & Goto, 1993

**Verticordia granulata**
Seguenza G., 1860

- **Verticordioidea**
- **Verticordiidae** Stoliczka, 1871
- *Verticordia* Wood, 1844

**DISTRIBUTION**
Mediterranean and adjacent Atlantic.

**ECOLOGY**

**NOTES**

- Seine Seamount
- Gettysburg Seamount
- Sedlo Seamount
- Ampère Seamount

**REFERENCES** Salas, 1996
**Cuspidaria cuspidata**  
( Olivi, 1792)

Verticordioidea  
Cuspidariidae  Dall, 1886  
Cuspidaria  Nardo, 1840

**Distribution**  
Norway to Mediterranean.

**Ecology**  
On muddy substrate.

**Notes**

<table>
<thead>
<tr>
<th>Seine Seamount</th>
<th>Gettysburg Seamount</th>
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</tr>
</tbody>
</table>

**References**  
Poppe & Goto, 1993

---

**Cuspidaria rostrata**  
( Spengler, 1793)

Verticordioidea  
Cuspidariidae  Dall, 1886  
Cuspidaria  Nardo, 1840

**Distribution**  
Arctic to the Mediterranean and the West Indies, mainly bathyal.

**Ecology**  
On muddy substrate.

**Notes**

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<th>Seine Seamount</th>
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</tr>
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<td>Sedlo Seamount</td>
<td>Ampère Seamount</td>
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**References**  
Salas, 1996

---

**Cuspidaria inflata**  
( Jeffreys, 1882)

Verticordioidea  
Cuspidariidae  Dall, 1886  
Cuspidaria  Nardo, 1840

**Distribution**  
? NE Atlantic and into the Mediterranean.

**Ecology**  
On muddy substrate.

**Notes**

<table>
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<th>Seine Seamount</th>
<th>Gettysburg Seamount</th>
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<td>Sedlo Seamount</td>
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**References**  
Salas, 1996
**Halonympha depressa**  
(Jeffreys, 1882)

Verticordioidea  
Cuspidariidae Dall, 1886  
*Halonympha* Dall & Smith, 1886

**DISTRIBUTION**  
? NE Atlantic and into the Mediterranean.

**ECOLOGY**  
unknown

**NOTES**

Seine Seamount  
Gettysburg Seamount  
Sedlo Seamount  
Ampère Seamount

**REFERENCES** Salas, 1996

---

**Cardiomya curta**  
(Jeffreys, 1876)

Verticordioidea  
Cuspidariidae Dall, 1886  
*Cardiomya* Adams A., 1864

**DISTRIBUTION**  
? NE Atlantic and into the Mediterranean.

**ECOLOGY**  
Carnivorous.

**NOTES**

Seine Seamount  
Gettysburg Seamount  
Sedlo Seamount  
Ampère Seamount

**REFERENCES** Salas, 1996

---

**Cardiomya costellata**  
(Deshayes, 1835)

Verticordioidea  
Cuspidariidae Dall, 1886  
*Cardiomya* Adams A., 1864

**DISTRIBUTION**  
Amphiatlantic and in the Mediterranean.

**ECOLOGY**  
Carnivorous.

**NOTES**

Seine Seamount  
Gettysburg Seamount  
Sedlo Seamount  
Ampère Seamount

**REFERENCES** Poppe & Goto, 1993
**Dentalium agile**
Sars M. in Sars G. O., 1872

*Dentalium* Linné, 1758

**DISTRIBUTION**
NE Atlantic and Mediterranean.

**ECOLOGY**
Lives in soft sediments.

**NOTES**

**REFERENCES**

---

**Cadulus jeffreysi**
(Monterosato, 1875)

**Gadilida**
**Gadilidae** Stoliczka, 1868
**Cadulus** Philippi, 1844

**DISTRIBUTION**
Mediterranean, North Atlantic to Norway. Also in the W Atlantic.

**ECOLOGY**
Dwelling in soft sediments short below the surface.

**NOTES**

**REFERENCES** Steiner, 1997
Note that the mollusc taxonomy is based on the Checklist of European Marine Mollusca (CLEMAM).

IV References


Salas C (1996) Marine bivalves from off the Southern Iberian Peninsula collected by the Balgim and Fauna 1 expeditions. Haliotis 25: 33-100


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Alvania adinogramma  Bouchet & Warén, 1993
Alvania beansi  (Hanley in Thorpe, 1844)
Alvania cancellata  (da Costa, 1778)
Alvania cimicoides  (Forbes, 1844)
Alvania microstriataHoenselaar & Goud, 1998
Alvania sp. 2
Alvania subcrenulata  (Bucquoy, Dautzenberg & Dollfus, 1884)
Alvania zyleness  Gofas & Warén, 1982
Amphirissa cyclostomoides  Dautzenberg & Fischer H., 1897
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Bittium watsoni  (Jeffreys, 1885)
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Cardiomya curta  (Jeffreys, 1876)
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Please note that the molluscan taxonomy is based on the Checklist of European Marine Mollusca (CLEMAM).