



## Upper Cretaceous Corals Stored in the Palaeontological Collections of the Geological Survey of Austria

IRENE ZORN\*

6 Text-Figures, 2 Plates

Österreichische Karte 1:50.000

BMN / UTM

64 Strasswalchen / 3204 Salzburg

65 Mondsee / 3217 Hallstatt

76 Wiener Neustadt / 5201 Wiener Neustadt

93 Bad Reichenhall / 3209 Bad Reichenhall

95 Sankt Wolfgang im Salzkammergut / 3211 Bad Ischl

97 Bad Mitterndorf / 3212 Bad Aussee

100 Hieflau / 4209 Hieflau

120 Wörgl / 2218 Kundl

Anthozoa

Upper Cretaceous

Gosau Basins

Palaeontological Collections

### Contents

Zusammenfassung	147
Abstract	148
Introduction	148
History of Taxonomic Studies on Upper Cretaceous Corals in the Collections of the GBA	149
August Emanuel Reuss	149
Johannes Felix	150
Marcel Beauvais	150
The Last 15 years	150
Cataloguing and Deposition of the Fossils	151
Short Remarks on the Localities	151
List of Holo-, Lecto- and Neotypes	151
Complete List of Specimens	155
Acknowledgements	190
References	190
Index of Species Names (Holo-, Lecto- and Neotypes)	193
Plates	194

### Korallen der Oberkreide in den Sammlungen der Geologischen Bundesanstalt in Wien

#### Zusammenfassung

Die Sammlungen der Geologischen Bundesanstalt in Wien beherbergen Korallen der Oberkreide Österreichs, welche in folgenden Arbeiten behandelt wurden: REUSS (1854), FELIX (1899, 1901, 1903), BEAUVAIS (1982), BEAUVAIS & BEAUVAIS (1975), BARON-SZABO (1999, 2002, 2003a-c, 2014a, b), SZENTE et al. (2010) und LÖSER (2009, 2014a). Die vorliegende Arbeit liefert eine Zusammenfassung über den Gesamtbestand, den Bearbeitungsstand der Holo-, Lecto- und Neotypen im Detail sowie eine Liste aller vorhandener Exemplare mit den wichtigsten Stammdaten und Wiederveröffentlichungen. Einige Typusexemplare, wie der Holotypus von *Phyllosmilia felixi* BEAUVAIS, 1982 und die Lectotypen von *Placosmilia fenestrata* (FELIX, 1903) und *Strotogyra sinuosa* (FELIX, 1903), sowie einige unlängst entdeckte Syntypen von REUSS (1854) werden abgebildet. Ergänzend wird auf das Inventar der nicht publizierten Korallen der Oberkreide Österreichs eingegangen.

\* IRENE ZORN: Geologische Bundesanstalt, Neulinggasse 38, 1030 Wien. irene.zorn@geologie.ac.at

## Abstract

The collections of the Geological Survey of Austria in Vienna include Upper Cretaceous corals from Austria which were treated in REUSS (1854), FELIX (1899, 1901, 1903), BEAUVAIS (1982), BEAUVAIS & BEAUVAIS (1975), BARON-SZABO (1999, 2002, 2003a–c, 2014a, b), SZENTE et al. (2010) and LÖSER (2009, 2014a). The present paper provides a summary of the total stock, the processing status of holo-, lecto- and neotypes in detail as well as a list of all existing specimens with the most important master data and republications. Several type specimens, such as the holotype of *Phyllosmilia felixi* BEAUVAIS, 1982 and the lectotypes of *Placosmilia fenestrata* (FELIX, 1903) and *Strotogyra sinuosa* (FELIX, 1903) are figured as well as some newly discovered syntypes of REUSS (1854). In addition, the inventory of unpublished corals from the Upper Cretaceous of Austria is discussed.

## Introduction

The palaeontological collections of the Geological Survey of Austria in Vienna (Geologische Bundesanstalt Wien; abbreviated GBA) include Upper Cretaceous corals treated taxonomically by REUSS (1854), FELIX (1899, 1901, 1903), BEAUVAIS (1982), BEAUVAIS & BEAUVAIS (1975), BARON-SZABO (1999, 2002, 2003a–b, 2014a), SZENTE et al. (2010) and LÖSER (2014a).

The aim of the present paper is to give an overview on the history of taxonomic studies on Upper Cretaceous corals which have been done on the material of the GBA collections and to list all extant published specimens with their most important core data. Several specimens have been lost in the past and few have never reached the GBA collections despite being indicated in the respective paper. These circumstances are discussed in the chapter “History of taxonomic studies”. All specimens got inventory numbers which should be cited in future publications. All other cited numbers in databases of the World Wide Web and published literature as for instance combinations of year and page are fictional and invalid.

The coral material of the GBA contains many type and figured specimens. Besides a huge amount of syntypes ten holotypes are available, six of which are from REUSS (1854) and are holotypes by monotypy. Two holotypes by designation are from BEAUVAIS (1982), one is from BARON-SZABO (1999) and one is from LÖSER (2014a):

*Agathelia subasperella* LÖSER, 2014a  
*Brachycaulia felixi* BEAUVAIS, 1982  
*Corbariastraea weissenbachalmensis* BARON-SZABO, 1999  
*Cyathoseris raristella* REUSS, 1854  
*Gyrosmilia edwardsi* REUSS, 1854  
*Maeandrina michelini* REUSS, 1854  
*Mussa abbreviata* REUSS, 1854  
*Pachygyra daedalea* REUSS, 1854  
*Pachygyra princeps* REUSS, 1854  
*Phyllosmilia felixi* BEAUVAIS, 1982

These holotypes were recently figured by BARON-SZABO (2014a) except for *Phyllosmilia felixi* BEAUVAIS, 1982 as well as two of the three lectotypes, *Placosmilia fenestrata* (FELIX, 1903) and *Strotogyra sinuosa* (FELIX, 1903). Therefore, they are figured in the present paper. Additionally, the collection bears six paralectotypes of *Synastrea cladophora* (FELIX, 1903) through lectotype designation in BEAUVAIS (1982, part 2: 127) and two of *Hydnophorastraea carinata* (FELIX, 1903) through lectotype designation in BEAUVAIS (1982, part 2: 135). Syntypes of 57 further species are at hand (FELIX, 1899: 1 species; FELIX, 1903: 22 species; REUSS, 1854: 34 species). A list of all published specimens including reference material is given further down. The syntype of *Isastraea profunda* REUSS (1854: 116, Pl. 9, Figs. 5–6, coll. no. GBA 1854/007/0088)

from Gosau later was assigned to the Triassic Zlambach beds by FRECH (1890: 21, Pl. 5, Figs. 1, 1a) and therefore it is not included in the list of specimens below. Also *Isastraea hoernesii* (REUSS, 1854) is a triassic coral (Acc. pers. comm. Hannes Löser, 2015). A syntype of *Proboscina punctatella* REUSS, 1854 from Gosau (REUSS, 1854: 137) is available but later turned out to belong to the Bryozoa.

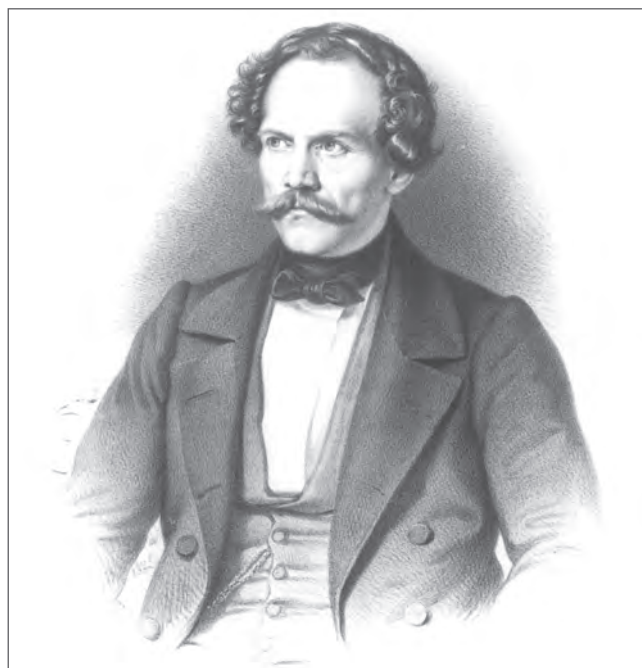
In the coral collection of FELIX (1903) many syntypes and reference material of August Emanuel Reuss could be identified due to labels with the handwriting of him (Text-Fig. 2). Also within the frame of the rearrangement of the stratigraphically ordered part of the collection recently sixty boxes with syntypes of 22 species from REUSS (1854) could be discovered through those labels. For lack of space in the type collection they were left in the stratigraphic collection and got inventory numbers other than the earlier identified specimens starting with the publication year 1854. The ones in the Felix collection bear numbers starting with 1903. The species from the stratigraphic collection are:

*Actinacis haueri* REUSS, 1854  
*Astrocoenia magnifica* REUSS, 1854  
*Aulopsammia murchisoni* REUSS, 1854  
*Calamophyllia multicincta* REUSS, 1854  
*Cyathoseris haidingeri* REUSS, 1854  
*Cyclolites macrostoma* REUSS, 1854  
*Cyclolites placenta* REUSS, 1854  
*Diploctenium ferrumequinum* REUSS, 1854  
*Latomaeandra astraeoides* REUSS, 1854  
*Leptophyllia clavata* REUSS, 1854  
*Parastraea grandiflora* REUSS, 1854  
*Placocoenia orbignyana* REUSS, 1854  
*Pleurocora rudis* REUSS, 1854  
*Polytremacis partschi* REUSS, 1854  
*Rhabdophyllia tenuicosta* REUSS, 1854  
*Rhipidogyra undulata* REUSS, 1854  
*Rhizangia sedgwicki* REUSS, 1854  
*Thamnastraea confusa* REUSS, 1854  
*Thamnastraea exaltata* REUSS, 1854  
*Thamnastraea procera* REUSS, 1854  
*Thecosmilia deformis* REUSS, 1854  
*Trochosmilia bipartita* REUSS, 1854

For the following genera and subgenera (inclusive synonyms) specimens from the type series of the type species (in brackets) are available in the GBA collection. Combination of type species with genus in most cases according to BARON-SZABO (2014a):

Genus *Agathelia* REUSS, 1854 (*Agathelia asperella* REUSS, 1854)  
Genus *Astrogyra* FELIX, 1901 (*Gyrosmilia edwardsi* REUSS, 1854)  
Genus *Gyroseris* REUSS, 1854 (*Gyroseris patellaris* REUSS, 1854)

- Genus *Hydnophorastraea* BEAUVAIS, 1982 (*Thamnastraea carinata* FELIX, 1903)
- Genus *Leptophyllia* REUSS, 1854 (*Leptophyllia clavata* REUSS, 1854)
- Genus *Loboseris* BEAUVAIS, 1982 (*Mussa abbreviata* REUSS, 1854)
- Genus *Maeandrella* OPPENHEIM, 1930 (*Meandrina michelini* REUSS, 1854)
- Genus *Mesomorpha* PRATZ, 1882 (*Porites mammillata* REUSS, 1854)
- Genus *Nefophyllia* WELLS, 1937 (*Placosmilia angusta* REUSS, 1854)
- Genus *Ogilviastraea* OPPENHEIM, 1930 (*Placohelia bigemmis* FELIX, 1903)
- Subgenus *Paraplacocoenia* BEAUVAIS, 1982 (*Placocoenia orbignyana* REUSS, 1854)
- Genus *Pseudofavia* OPPENHEIM, 1930 (*Parastraea grandiflora* REUSS, 1854)
- Genus *Psilogyra* FELIX, 1903 (*Psilogyra telleri* FELIX, 1903)
- Genus *Elasmogyra* BEAUVAIS, 1982 (*Aplosmilia crucifera* FELIX, 1903)
- Genus *Strotogyra* WELLS, 1937 (*Rhipidogyra undulata* REUSS, 1854)

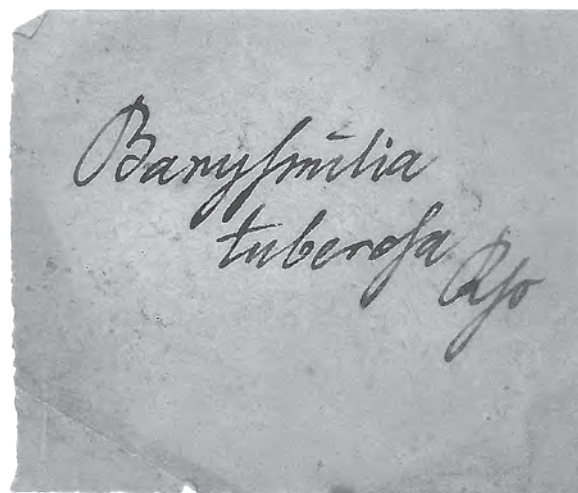


Text-Fig. 1.  
August Emanuel Reuss, in his first years as professor of mineralogy in Prague.  
Photo: Bildarchiv Österr. Nationalbibliothek, Wien, NB 504.657 B(R).

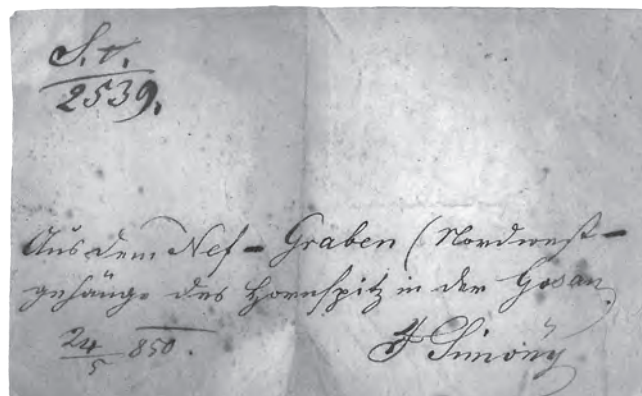
## History of Taxonomic Studies on Upper Cretaceous Corals in the Collections of the GBA

### August Emanuel Reuss

August Emanuel Reuss (1811–1873) was the first to present a monography on corals and other fossils of the Gosau beds, entitled “Beiträge zur Charakteristik der Kreideschichten in den Ostalpen, besonders im Gosauthale und am Wolfgangsee” (REUSS, 1854). It comprises descriptions of 140 coral species, among them many new species. Later eight of his new species were assigned to the Triassic by FRECH (1890: 2–3) and one by FELIX (1903: 164). As reported above also *Isastraea hoernesii* (REUSS, 1854) is a triassic coral (Acc. pers. comm. HANNES LÖSER, 2015). August Emanuel Reuss mainly worked on material of the collections of the, at that time, called k. k. Geologische Reichsanstalt and the k. k. Hof-Mineralien-Cabinet (nowadays included in the collections of the Natural History Museum in Vienna). Some of the specimens in the first mentioned collection were collected by Friedrich Simony in 1850 as it is documented that during that year he brought rock samples and fossils from the Gosau valley (FOETTERLE, 1850a: 555, 1850b: 737). Also his labels indicate that year (Text-Figure 3). Possibly Johann Czjzek brought some corals from Piesting into the collection as an inflow of one box with fossils in 1850 is documented (FOETTERLE, 1850a: 556). August Emanuel Reuss himself collected corals in the area of Gosau and Wolfgangsee and acquired specimens from two private collectors (REUSS, 1854: 62). In the descriptions of the species and in the plate captions he did not indicate which specimens he got from the different institutions or persons. A portrait of August Emanuel Reuss is presented in Text-Figure 1 and a label with his handwriting in Text-Figure 2.



Text-Fig. 2.  
Label with the original handwriting of August Emanuel Reuss (Syntype of *Barysmilia tuberosa* REUSS, 1854 from Neffgraben; coll. no. GBA 2012/096/0005).



Text-Fig. 3.  
Label with the original handwriting of Friedrich Simony (Syntype of *Barysmilia tuberosa* REUSS, 1854 from Neffgraben; coll. no. GBA 2012/096/0005).

The corals mentioned in PETERS (1852) and HINTERHUBER (1866: 17, *Cyclolites hemisphaerica* LAMARCK, 1816, Ofenwand near Strobl-Weissenbach) unfortunately are not available in the collections of the GBA. The determinations in PETERS (1852), as for instance *Placosmilia cuneiformis* (MILNE EDWARDS & HAIME, 1849) from the Weißenbachtal, have been probably contributed by August Emanuel Reuss, who accompanied him on several excursions. In the year 1864 Dionys Stur brought two boxes of fossils from Piesting (Jahrbuch der k. k. Geologischen Reichsanstalt, **14/2**: 306) which possibly also contained corals.

### Johannes Felix

Johannes Felix (1859–1941) restudied the corals of the former “k. k. Geologische Reichsanstalt” and the “k. k. Naturhistorisches Hofmuseum”, together with material from surroundings of Gosau collected by himself and from collections in Munich, Greifswald and Leoben which resulted in an extensive monography (FELIX, 1903), entitled “Studien über die korallenführenden Schichten der oberen Kreideformation in den Alpen und den Mediterrangebieten. I. Theil: Die Anthozoen der Gosauschichten in den Ostalpen”.



Text-Fig. 4. Johannes Felix in 1910, source: [https://commons.wikimedia.org/wiki/File%3A-Johannes-Felix\\_1859-1941.jpg](https://commons.wikimedia.org/wiki/File%3A-Johannes-Felix_1859-1941.jpg).

By means of old labels several corals collected by Heinrich Wolf 1868 in Piesting (Scharrergraben) could be identified (WOLF, 1868: 221). The handwriting of Johannes Felix unfortunately is not documented in the collection of the GBA. This was confirmed by original labels from the coral collection of Johannes Felix at the University of Leipzig, which are documented in LÖSER et al. (2002). In Text-Figure 4 a portrait of Johannes Felix is given, another one was published in LÖSER et al. (2002: Figs. 1–2).

Johannes Felix noted in his monography that almost all specimens studied and figured by August Emanuel Reuss were available at that time. Important is his remark that August Emanuel Reuss partly removed the labels with his original determinations and wrote new labels with the revised determinations of MILNE EDWARDS (1857, 1860). A list with a comparison of August Emanuel Reuss' and Henri Milne Edwards' determinations is given in FELIX (1903: 165).

Today all figured specimens of FELIX (1903) from the collections of the GBA are still present. The material contains syntypes of thirty species and two varieties. Scattered specimens are missing. In the year 1900 Friedrich Simony again collected corals for the GBA as in the material determined by Johannes Felix many labels with the handwriting of Friedrich Simony are available with the note “Oktober-Sendung 1900”. In addition, a report on four coral species and another one on two new genera (*Astrogyra*, *Astraraea*)

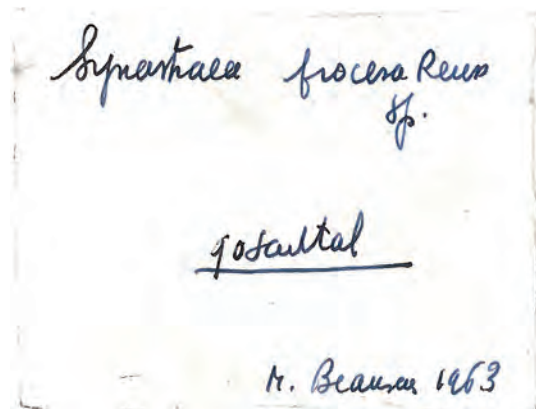
were published by Johannes Felix in 1899 and 1901. In 1903 he described these new species in detail. In the synonymy lists of his Fossilium Catalogus “Anthozoa neocretacea” (FELIX, 1914) the material of REUSS (1854) and FELIX (1903) is also included.

### Marcel Beauvais

Between 1963 and 1975 Marcel Beauvais (died 1982) borrowed corals from the GBA collection which were treated in REUSS (1854) and FELIX (1903) and published them together with material from other European collections within 5 volumes on Gosau corals (BEAUVAIS, 1982) entitled “Revision systematique des Madreporaires des Couches de Gosau (Cretace superieur, Autriche)”. Many specimens of the GBA collection were figured, two holotypes (see above) and three lectotypes were designated: *Placosmilia fenestrata* (FELIX, 1903), *Elasmogyra crucifera* (FELIX, 1903) and *Strotogyra sinuosa* (FELIX, 1903). A few specimens he mentioned belonging to the GBA collection could not be traced: *Dimorphastraea corbariensis* (D'ORBIGNY, 1850) (BEAUVAIS, 1982: Pl. 29, Fig. 3, Pl. 30, Fig. 1), *Elasmogyra crucifera* (FELIX, 1903) (BEAUVAIS, 1982: Pl. 37, Fig. 2), *Haplohelix rudis* (REUSS, 1854) from Neue Welt (BEAUVAIS, 1982, part 1: 131) and *Aulosmilia bipartita* (REUSS, 1854) as well as *Renensismilia corbariensis* BEAUVAIS, 1982 from Scharrergraben (BEAUVAIS, 1982, part 1: 221, part 2: 240). It is possible that they do not belong to the GBA collection as there are several other discrepancies concerning the different collections within the work of Marcel Beauvais (mix up of collection “Reuss (1)” and “Reuss (2) = GBA” respectively “Felix (1)” and “Felix (2) = GBA”) or they got lost or were never returned. *Brachyseris astraeoides* (REUSS, 1854) in BEAUVAIS (1982, part 2: 239, Pl. 45, Fig. 1) for sure belongs to the GBA collection because on the picture one can see the abbreviation GRA (= Geologische Reichsanstalt), but the whereabouts are unknown. A label with the handwriting of Marcel Beauvais is shown in Text-Figure 5.

### The Last 15 years

The latest published material was brought into the collection by Rosemarie Baron-Szabo. She worked on corals from Weissenbachalm in Styria (BARON-SZABO, 1999) and



Text-Fig. 5. Label with the original handwriting of Marcel Beauvais (Reference material of *Thamnastraea procera* REUSS, 1854 from Gosau Valley; coll. no. 1903/004/0024/01).

from the Hochmoos and Grabenbach formations in the surroundings of Rußbach am Paß Gschütt in Salzburg and Gosau in Upper Austria (BARON-SZABO, 2003a). The corals from both papers are accompanied by many thin sections. Few specimens and thin sections are missing due to transportation damage and the process of making thin sections. The corals treated in BARON-SZABO (1999) were collected by Harald Lobitzer and team. Additional data on paleoecology and biostratigraphy can be found in HRADECKA et al. (1999) and SZENTE et al. (1999).

A few specimens from the collection of the GBA belonging to the genus *Nefophyllia* were treated in BARON-SZABO (2014b) and one was figured. Besides corals from several other collections many type specimens from the GBA collection were figured in two comprehensive volumes (BARON-SZABO, 2002, 2014a). In the last the lectotype of *Mesomorpha mammillata* (REUSS, 1854) was designated on the basis of a specimen of the GBA collection. The valid name should be *Ahrdorffia mammillata* (REUSS, 1854) as it is explained in LÖSER (2014b: 32).

The rare species *Dasmiospis lamellicostatus* (REUSS, 1854), collected by Harald Lobitzer at Hofergraben near Gosau, was treated by BARON-SZABO (2003b). The accompanying specimens as well as corals from Finstergraben and Schattau are mentioned in BARON-SZABO (2003c). Because this material is neither sorted nor labelled with species names it is not included in the list of specimens below.

Hannes Löser figured several coral specimens of the GBA collection in his textbook on Jurassic and Cretaceous corals (LÖSER, 2009: Fig. 44C (p. 28, *Pachygyra*), Fig. 107 (p. 91, *Columactinastraea*), Fig. 188 (p. 129 *Pachygyra*), Fig. 200 (p. 134 *Cyclolites*)) and established the new species *Agathella subasperella* LÖSER, 2014a on material of BARON-SZABO (2003a). Another work in progress deals with *Fungiastraea exigua* (REUSS, 1854).

## Cataloguing and Deposition of the Fossils

The first catalogue on Cretaceous fossils from the GBA collections was made by STOJASPAL (1976), where he listed type and figured specimens of the corals from REUSS (1854) and FELIX (1903). In the present catalogue not only types and figured specimens of August Emanuel Reuss and Johannes Felix are listed, but also of BEAUVAIS (1982), BARON-SZABO (1999, 2003a, b, 2014a, b) and LÖSER (2014a) as well as reference material from the nine mentioned publications. Additionally, subsequent figuring and renaming is given. The material is stored in the type collection which includes type specimens, figured specimens and often also reference material.

Unpublished corals in the stratigraphic collection from the Upper Cretaceous of Austria (more than 500 boxes) mainly come from Lower Austria (Neue Welt Gosau, Einöd Gosau, Grünbach, Muthmannsdorf, Scharrergraben/Piesting), Upper Austria (Gosau Valley, Neffgraben, Tiefengraben/Grabenbach, Brunstloch, Wegscheidgraben, St. Wolfgang, Traunsee, Zeller See/Zell am Moos), Salzburg (Randograbben, Rußbach am Pass Gschütt, Strobl/Weißenbach, St. Gilgen), Styria (Gams/Hiefrau), Carinthia (Lavant Valley, Ettendorf) and Tyrol (Brandenberg, Brixlegg).

The Upper Cretaceous corals stored in the type collection derive from the Gosau basins; within the stratigraphical collection also material from the Rhenodanubic Flyschzone, the Helvetikum and the Calcareous Alps is present.

## Short Remarks on the Localities

A map with the localities of the published corals is given in Text-Figure 6. The assignment to the stratigraphic position of the different localities follows the papers of BARON-SZABO (1999, 2003a, 2014a) and LÖSER (2005, 2014a). The three localities marked with an “X” in BARON-SZABO (2003a: 10, Text-Fig. 1) are named Rußbach (north), Hochmoos-Rußbach area (southwest) and Hochmoos-Grabenbach area (southeast) in the present paper. Most of them concern the Santonian Hochmoos Formation, but loosely collected material can also originate from the Grabenbach Formation (Acc. pers. comm. HANNES LÖSER, 2015). The specimens from REUSS (1854) and FELIX (1903) often were just labelled with “Gosau” or “Gosautal”, which in both cases means the surroundings of the town Gosau. In the lists of types and species below the modern names of the localities are given. In the literature some variant spelling or synonyms can be found:

Brunstloch: Brunsloch, Brunnsloch.

Hofergraben: Sattelgraben.

Hohe Traunwand: Traunwand (see also LÖSER, 2005: 48, Traunwandalm).

Neffgraben: Nefgraben.

Randograbben: Randobachgraben, Randaugrabben, Rontograbben, Rondograbben.

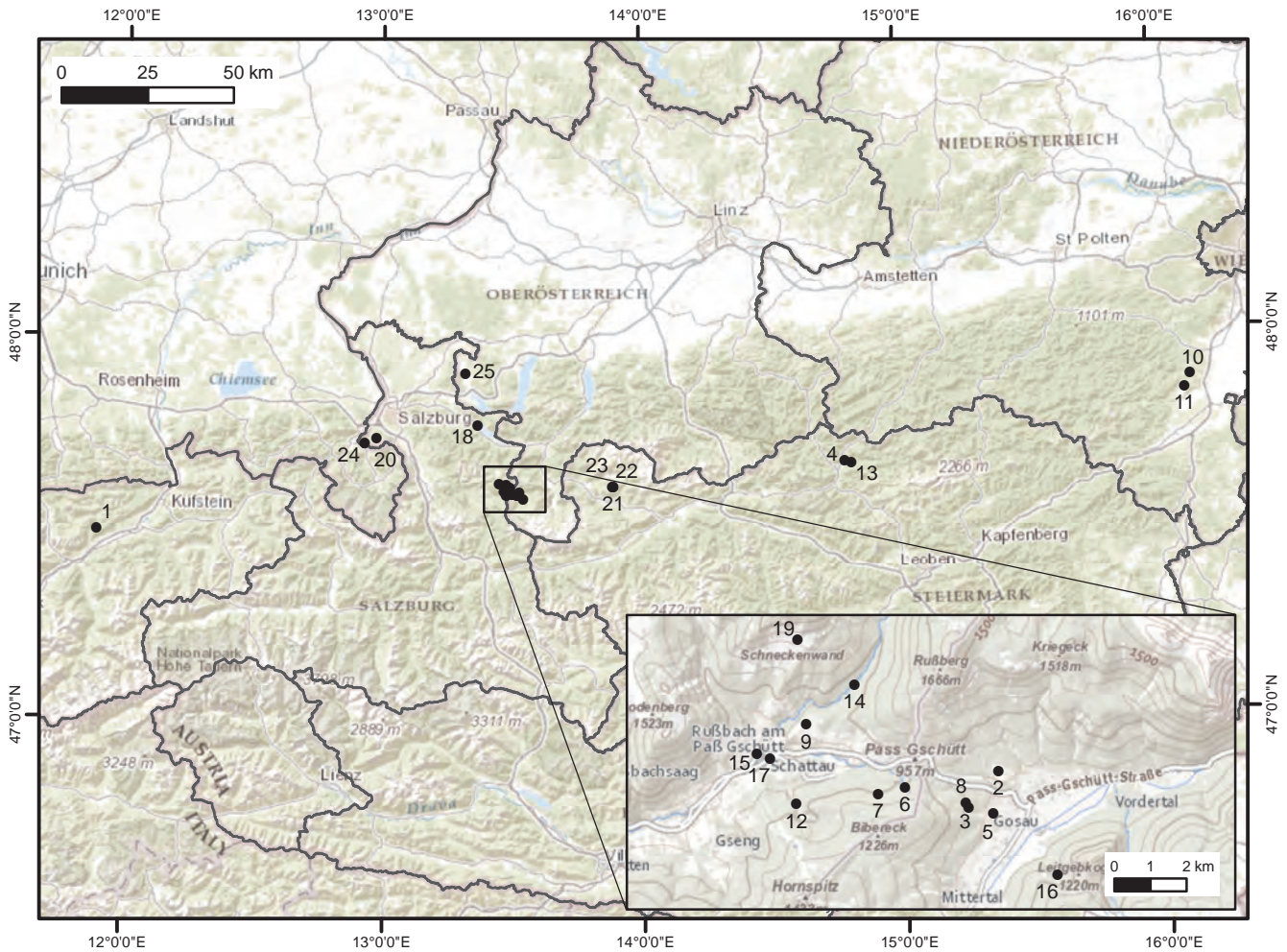
Scharrergraben at Piesting: Scharergraben.

Tiefengraben at Grabenbach: Tauerngraben, “der tiefe Graben” (REUSS, 1854: 12).

The locality “Zeller See” is mentioned in FELIX (1903) but not specified. There are two Zeller See in Austria, one near Kaprun (Salzburg) and one which is also called Irrsee near Mondsee (Upper Austria). Thanks to the advice of Johann Egger (GBA) on two short notes in the Verhandlungen of the GBA (FUGGER, 1894a: 185, 1894b: 209) it could be clarified that the locality is “Zell am Moos” at Irrsee. Eberhard Fugger found out that the cretaceous chalk with hippurites at Zell am Moos is glacial drift material (see also LÖSER, 2005: 41) which probably originates from the area of Schärfling and St. Gilgen. There is no mention of corals.

## List of Holo-, Lecto- and Neotypes

The following list contains all holo-, lecto- and neotypes of Upper Cretaceous corals that are present in the collections of the Geological Survey of Austria. The specimens are listed according to the collection number which in most of the cases mirrors the chronological date of publication. Basic information on type level, type locality and type figure are given. Remarks on earlier or later illustrations of the specimens or changes of determination are included, as well as the current taxonomic and stratigraphic status.



Text-Fig. 6

Map with localities of the published corals in the collection of the GBA.

1) Brandenberg, Tyrol; 2) Brunstloch, Gosau, Upper Austria; 3) Finstergraben, Gosau, Upper Austria; 4) Gams, Hiefiau, Styria; 5) Gosau Valley, Upper Austria; 6) Hochmoos-Grabenbach area, Salzburg; 7) Hochmoos-Rußbach area, Salzburg; 8) Tiefengraben at Grabenbach, Gosau, Upper Austria; 9) Hornegg (unsure), Upper Austria; 10) Markt Piesting (Scharregraben), Lower Austria; 11) Muthmannsdorf, Lower Austria; 12) Neffgraben, Gosau, Salzburg; 13) Nothklamm ("Holzrechen"), Gams, Hiefiau, Styria; 14) Randograben, Rußbach am Paß Gschütt, Salzburg; 15) Rußbach am Pass Gschütt, Salzburg; 16) Sattelgraben (= Hofergraben), Gosau, Upper Austria; 17) Schattau, Gosau, Salzburg; 18) St. Gilgen, Station "Billroth", Salzburg; 19) Traunwandalm, Rußbach am Pass Gschütt, Salzburg; 20) Veitlbruch, Untersberg, Salzburg; 21) Weissenbachalm (WB 1, WB 1A), Styria; 22) Weissenbachalm (WB 12), Styria; 23) Weissenbachalm (WB 14), Styria; 24) Wolfschwang, Großgmain, Salzburg; 25) Zell am Moos, Upper Austria.

### *Agathelia asperella* REUSS, 1854

**Coll. No.:** GBA 1982/020/0002 (former no. 1854/007/0006).

**Type:** Invalid neotype, ?Syntype.

**Type level:** Upper Santonian, Gosau Group.

**Type locality:** ?Neffgraben, Gosau, Salzburg.

**Type reference and figure:** BEAUVAIS (1982, part 1: 44, Pl. 51, Fig. 7, Pl. 62, Figs. 1–2).

**Remarks:** Questionable syntype in: REUSS (1854: 82) and/or reference material in: FELIX (1903: 262). No original label of August Emanuel Reuss is existing. Figured by BEAUVAIS & BEAUVAIS (1975: 577, Pl. 1, Fig. 2, Pl. 2, Figs. 1–2) and by BARON-SZABO (2002: Pl. 129, Figs. 3–4) sub *Agathelia asperella* REUSS, 1854. Neotype designation by BEAUVAIS (1982, part 1: 44, Pl. 51, Fig. 7). According to an original label of Marcel Beauvais he selected the neotype in the year 1966. Originally "Gosautal" was written on another label, later Marcel Beauvais added Neffgraben. BARON-SZABO (2014a: 187) mentioned, that later syntypes were found in

the collections of the Natural History Museum, Vienna. Figured by LÖSER (2014a: 304, Figs. 3.4–3.6) sub *Agathelia* cf. *asperella* REUSS, 1854.

**Current name:** *Agathelia* cf. *asperella* REUSS, 1854.

### *Agathelia subasperella* LÖSER, 2014a

**Coll. No.:** GBA 2003/023/0004/01 Corallum, 2003/023/0004/02 thin section.

**Type:** Holotype by designation.

**Type level:** Hochmoos Formation, upper Santonian, Gosau Group.

**Type locality:** Hochmoos-Rußbach area, Upper Austria.

**Type reference and figure:** LÖSER (2014a: 306, Figs. 5.1–5.2).

**Remarks:** Thin section figured by BARON-SZABO (2002: 187, Pl. 129, Fig. 5, Pl. 130, Fig. 4) and BARON-

SZABO (2003a: 118, Pl. 3, Figs. 2, 5, 6) sub *Agathelia asperella* REUSS, 1854.

**Current name:** *Agathelia subasperella* LÖSER, 2014a.

### *Brachycaulia felixi* BEAUVAIS, 1982

**Coll. No.:** GBA 1903/004/0072.

**Type:** Holotype by designation.

**Type level:** Upper Santonian, Gosau Group.

**Type locality:** Scharrergraben, Markt Piesting, Lower Austria.

**Type reference and figure:** BEAUVAIS (1982, part 2: 230, Pl. 44, Fig. 1).

**Remarks:** Original label of Marcel Beauvais. Figured by FELIX (1903: 261, Pl. 20, Figs. 15, 15a) sub *Brachyphyllia haueri* (REUSS, 1854) and by BARON-SZABO (2014a: 51, Pl. 55, Figs. 3–6) sub *Brachycaulia felixi* BEAUVAIS, 1982.

**Current name:** *Brachycaulia felixi* BEAUVAIS, 1982.

### *Corbariastraea weissenbachalmensis* BARON-SZABO, 1999

**Coll. No.:** GBA 1999/089/0025/01–02 (Corallum and thin section).

**Type:** Holotype by designation.

**Type level:** Upper Santonian–Campanian, Gosau Group.

**Type locality:** Weissenbachalm, Styria.

**Type reference and figure:** BARON-SZABO (1999: 462, Pl. 8, Figs. 3–4).

**Remarks:** Refigured by BARON-SZABO (2014a: 59, Pl. 65, Figs. 1–2).

**Current name:** *Corbariastraea weissenbachalmensis* BARON-SZABO, 1999.

### *Cyathoseris raristella* REUSS, 1854

**Coll. No.:** GBA 1854/007/0118.

**Type:** Holotype by monotypy.

**Type level:** Turonian–Campanian, Gosau Group.

**Type locality:** Area of Gosau, Upper Austria.

**Type reference and figure:** REUSS (1854: 127, Pl. 20, Fig. 9).

**Remarks:** Original label of August Emanuel Reuss with *Cyathoseris raristella*. Figured by BEAUVAIS (1982, part 2: 66, Pl. 28, Fig. 2) and by BARON-SZABO (2014a: 63, Pl. 70, Fig. 6) sub *Astraeofungia raristella* (REUSS, 1854).

**Current name:** *Astraeofungia raristella* (REUSS, 1854).

### *Elasmogyra crucifera* (FELIX, 1903)

**Coll. No.:** GBA 1903/004/0099/01.

**Type:** Lectotype.

**Type level:** Turonian–Campanian, Gosau Group.

**Type locality:** Gosau, Upper Austria.

**Type reference and figure:** BEAUVAIS (1982, part 2: 119, Pl. 60, Fig. 4).

**Remarks:** Syntype of *Aplosmilia crucifera* FELIX (1903: 302, Pl. 23, Figs. 8, 8a) and figured in: BARON-SZABO (2014a: 47, Pl. 49, Figs. 5–6) sub *Rhabdopsammia crucifera* (FELIX, 1903).

**Current name:** *Rhabdopsammia crucifera* (FELIX, 1903).

### *Fungiastraea acutidens* (REUSS, 1854)

**Coll. No.:** GBA 1982/020/0001.

**Type:** Neotype.

**Type level:** Upper Santonian.

**Type locality:** Scharrergraben, Markt Piesting, Lower Austria.

**Type reference and figure:** BEAUVAIS (1982, part 2: 74, Pl. 27, Fig. 4).

**Remarks:** Refigured by BARON-SZABO (2014a: 70, Pl. 77, Figs. 1–2) sub *Fungiastraea acutidens* (REUSS, 1854).

**Current name:** *Fungiastraea acutidens* (REUSS, 1854).

### *Gyrosmlia edwardsi* REUSS, 1854

**Coll. No.:** GBA 1854/007/0030.

**Type:** Holotype by monotypy.

**Type level:** Turonian–Campanian, ?Santonian, Gosau Group.

**Type locality:** Area of Gosau, Upper Austria.

**Type reference and figure:** REUSS (1854: 92, Pl. 4, Figs. 1–3).

**Remarks:** Type species of *Astrogyra* FELIX, 1903. Original label of Marcel Beauvais with *Astrogyra edwardsi* (REUSS, 1854). Figured by BEAUVAIS (1982, part 1: 78, Pl. 5, Fig. 2) and by BARON-SZABO (2014a: 29, Pl. 16, Figs. 1–2) sub *Astrogyra edwardsi* (REUSS, 1854).

**Current name:** *Astrogyra edwardsi* (REUSS, 1854).

### *Maeandrina michelini* REUSS, 1854

**Coll. No.:** GBA 1854/007/0067.

**Type:** Holotype by monotypy.

**Type level:** Upper Turonian–Campanian, Gosau Group.

**Type locality:** Area of Gosau (Gosau Valley), Upper Austria.

**Type reference and figure:** REUSS (1854: 109, Pl. 15, Figs. 8–9).

**Remarks:** Original label of August Emanuel Reuss with *Maeandrina michelini*. Type species of *Maeandrofungia* BEAUVAIS, 1982 and *Maeandrella* OPPENHEIM, 1930. Figured by BEAUVAIS (1982, part 2: 115, Pl. 37, Fig. 6) sub *Meandrofungia michelini* (REUSS, 1854) and by BARON-SZABO (2014a: 61, Pl. 68, Figs. 5–6, Pl. 69, Fig. 1) sub *Maeandrella michelini* (REUSS, 1854).

**Current name:** *Maeandrella michelini* (REUSS, 1854).

***Mesomorpha mammillata* (REUSS, 1854)**

Coll. No.: GBA 1854/007/0125.

Type: Lectotype.

Type level: (?Upper) Santonian, Gosau Group.

Type locality: Gosau, Randograben or Neffgraben, Upper Austria.

Type reference and figure: BARON-SZABO (2014a: 40, Pl. 34, Figs. 1–3) sub *Mesomorpha mammillata* (REUSS, 1854).

Remarks: Syntype of *Porites mammillata* REUSS (1854: 129) probably figured specimen in: FELIX (1903: 225, Text-Figs. 17, 18) and figured in: BARON-SZABO (2002: 65, Pl. 44, Fig. 7) sub *Mesomorpha mammillata* (REUSS, 1854). See LÖSER (2014b: 32) for assignment to *Ahrdorffia*.

Current name: *Ahrdorffia mammillata* (REUSS, 1854).

***Mussa abbreviata* REUSS, 1854**

Coll. No.: GBA 1854/007/0050.

Type: Holotype by monotypy.

Type level: Turonian–Campanian, Gosau Group.

Type locality: Area of Gosau, Upper Austria.

Type reference and figure: REUSS (1854: 104, Pl. 4, Figs. 4–6).

Remarks: Original label of August Emanuel Reuss with *Mussa abbreviata*. Type species of *Loboseris* BEAUVAIS, 1982. Mentioned by FELIX (1903: 243) sub *Thecosmilia abbreviata* (REUSS, 1854). Figured by BEAUVAIS (1982, part 2: 261, Pl. 47, Fig. 3) and by BARON-SZABO (2014a: 55, Pl. 61, Fig. 6, Pl. 62, Figs. 1–6) sub *Loboseris abbreviata* (REUSS, 1854).

Current name: *Loboseris abbreviata* (REUSS, 1854).

***Pachygyra daedalea* REUSS, 1854**

Coll. No.: GBA 1854/007/0034.

Type: Holotype by monotypy.

Type level: Upper Santonian, Gosau Group.

Type locality: Neffgraben, Gosau, Salzburg.

Type reference and figure: REUSS (1854: 94, Pl. 14, Figs. 3–4).

Remarks: Original label of August Emanuel Reuss with *Pachygyra daedalea*. Mentioned by FELIX (1903: 311). Figured by BEAUVAIS (1982, part 1: 203, Pl. 6, Fig. 5, Pl. 8, Fig. 6) sub *Orbignygyra daedalea* (REUSS, 1854) and by BARON-SZABO (2014a: 44, Pl. 44, Fig. 4) sub *Pachygyra daedalea* REUSS, 1854.

Current name: *Pachygyra daedalea* REUSS, 1854.

***Pachygyra princeps* REUSS, 1854**

Coll. No.: GBA 1854/007/0033.

Type: Holotype by monotypy.

Type level: Upper Santonian, Gosau Group.

Type locality: Neffgraben, Gosau, Salzburg.

Type reference and figure: REUSS (1854: 93, Pl. 3, Figs. 1–3).

Remarks: Mentioned by FELIX (1903: 311). Refigured by BEAUVAIS (1982, part 1: 188, Pl. 16, Fig. 1, Pl. 17, Fig. 1) and by BARON-SZABO (2014a: 44, Pl. 45, Figs. 1–3, Pl. 46, Fig. 1) sub *Pachygyra princeps* REUSS, 1854.

Current name: *Pachygyra princeps* REUSS, 1854.

***Phyllosmilia felixi* BEAUVAIS, 1982**

(Pl. 1, Fig. 1a, b)

Coll. No.: GBA 1903/004/0117.

Type: Holotype by designation.

Type level: Santonian, Gosau Group.

Type locality: Randograben, Rußbach am Pass Gschütt, Salzburg.

Type reference and figure: BEAUVAIS (1982, part 1: 152, Pl. 12, Fig. 6).

Remarks: Figured by FELIX (1903: 332, Pl. 18, Figs. 7, 7a) sub *Trochosmilia* cf. *didymophila* FELIX, 1903.

Current name: *Phyllosmilia felixi* BEAUVAIS, 1982.

***Placosmilia fenestrata* (FELIX, 1903)**

(Pl. 1, Fig. 4a, b)

Coll. No.: GBA 1903/004/0061/11.

Type: Lectotype.

Type level: Upper Santonian, Gosau Group.

Type locality: Scharrergraben, Markt Piesting, Lower Austria.

Type reference and figure: BEAUVAIS (1982, part 1: 68, Pl. 4, Fig. 4).

Remarks: Figured syntype in: FELIX (1903: 246, Pl. 21, Fig. 6) sub *Lasmogyra fenestrata* FELIX, 1903.

Current name: *Placosmilia fenestrata* (FELIX, 1903).

***Strotogyra sinuosa* (FELIX, 1903)**

(Pl. 1, Fig. 2a, b)

Coll. No.: GBA 1903/004/0102/01.

Type: Lectotype.

Type level: Upper Santonian, Gosau Group.

Type locality: Scharrergraben, Markt Piesting, Lower Austria.

Type reference and figure: BEAUVAIS (1982, part 1: 194, Pl. 59, Fig. 10).

Remarks: Syntype of *Stenogyra sinuosa* FELIX (1903: 307, Pl. 21, Figs. 9, 9a–b).

Current name: *Strotogyra sinuosa* (FELIX, 1903).



## Complete List of Specimens

Below all specimens are listed that have been treated in the publications of REUSS (1854), FELIX (1899, 1901, 1903), BEAUVAIS (1982), BEAUVAIS & BEAUVAIS (1975), BARON-SZABO (1999, 2003a, b, 2014a, b), SZENTE et al. (2010) and LÖSER (2014a) and are still present in the collections of the Geological Survey of Austria. Far more than 1,000 specimens are documented. Many of them were published and figured in subsequent literature. For every treatment of a specimen in a publication a separate entry has been given. They are ordered alphabetically, according to genus, species, author of publication, and collection number. The year of the initial publication of a specimen mostly is mirrored in the collection number; this can be found at the end of every entry and starts with the year of publication. Earlier or later references have been added to every entry.

The reader should be aware that possibly different genera must be tried when searching for a particular species or specimen, because the generic assignment could have changed several times and the entries mirror the status of the different years of publication. This means that a single specimen may have a duplicate entry in the list or even more entries when it is treated in more than one publication.

In the material of FELIX (1903) one specimen (coll. no. GBA 1903/004/0053/01) which was wrongly labelled "*Heterocoenia dendroides* REUSS, 1854, Gosau" turned out to be *Bosnopsammia lindstroemi* (OPPENHEIM, 1930) (Acc. pers. comm. Rosemarie Baron-Szabo, 2014).

### Abbreviations

F = Figured specimen  
Hm = Holotype by monotypy  
Hd = Holotype by designation  
L = Lectotype  
N = Neotype  
PL = Paralectotype  
R = Reference specimen  
S = Syntype

The use of the abbreviations listed above indicates the status in the cited work. For example, a type specimen (S or H) of REUSS (1854) can be a figured specimen (F) in FELIX (1903), BEAUVAIS (1982) or BARON-SZABO (2014a). The indication that it is a syntype or holotype is given as an addition after the inventory number. The number in brackets behind one of the abbreviations in the list below (mainly S and R) means the number of specimens; otherwise the entry concerns a single specimen.

### *Acrosmilia*

*Acrosmilia clavata* (REUSS, 1854) – BARON-SZABO (2014a: 51) – Turonian–Campanian, Gosau, Upper Austria, PL, 2012/092/0103 (Syntype of *Leptophyllia clavata* REUSS, 1854: 101).

*Acrosmilia conica* D'ORBIGNY, 1850 – BARON-SZABO (1999: 459) – upper Santonian–Campanian, Weissenbachalm, Styria, R, 1999/089/0020/01.

*Acrosmilia conica* D'ORBIGNY, 1850 – BARON-SZABO (1999: 459, Pl. 1, Fig. 3) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0020/02 (Figured in: BARON-SZABO (2002: 99, Pl. 66, Fig. 5) and BARON-SZABO (2014a: 51, Pl. 55, Fig. 7) sub *Acrosmilia conica* D'ORBIGNY, 1850).

*Acrosmilia conica* D'ORBIGNY, 1850 – BARON-SZABO (2014a: 51, Pl. 55, Fig. 7) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0020/02 (Figured in: BARON-SZABO (2002: 99, Pl. 66, Fig. 5) and BARON-SZABO (1999: 459, Pl. 1, Fig. 3) sub *Acrosmilia conica* D'ORBIGNY, 1850).

*Acrosmilia conica* D'ORBIGNY, 1850 – BARON-SZABO (2002: 99, Pl. 66, Fig. 5) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0020/02 (Figured in: BARON-SZABO (1999: 459, Pl. 1, Fig. 3) and BARON-SZABO (2014a: 51, Pl. 55, Fig. 7) sub *Acrosmilia conica* D'ORBIGNY, 1850).

*Acrosmilia elongata* (REUSS, 1854) – BARON-SZABO (2003a: 134, Pl. 8, Fig. 5) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0022/01.

*Acrosmilia elongata* (REUSS, 1854) – BARON-SZABO (2003a: 134, Pl. 8, Fig. 8) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0022/02.

*Acrosmilia elongata* (REUSS, 1854) – BARON-SZABO (2003a: 134) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R, 2003/023/0022/03.

### *Actinacis*

*Actinacis elegans* REUSS, 1854 – BARON-SZABO (1999: 457) – upper Santonian–Campanian, Weissenbachalm, Styria, R, 1999/089/0018/01.

*Actinacis elegans* REUSS, 1854 – BARON-SZABO (1999: 457, Pl. 3, Fig. 6) – upper Santonian–Campanian, Weissenbachalm, Styria, F, 1999/089/0018/02.

*Actinacis elegans* REUSS, 1854 – BARON-SZABO (2014a: 52, Pl. 57, Fig. 5) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, F, 1903/004/0003/01 (Reference material in: FELIX (1903: 179) sub *Actinacis elegans* REUSS, 1854).

*Actinacis elegans* REUSS, 1854 – FELIX (1903: 179) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0003/01 (Figured in: BARON-SZABO (2014a: 52, Pl. 57, Fig. 5) sub *Actinacis elegans* REUSS, 1854).

*Actinacis elegans* REUSS, 1854 – FELIX (1903: 179) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0003/02.

*Actinacis haueri* REUSS, 1854 – FELIX (1903: 176) – Turonian–Campanian, Gosau Valley, Upper Austria, R (8), 1903/004/0001/01–04.

*Actinacis haueri* REUSS, 1854 – FELIX (1903: 176) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (4), 1903/004/0001/05–08.

*Actinacis haueri* REUSS, 1854 – FELIX (1903: 176) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0001/09.

*Actinacis haueri* REUSS, 1854 – FELIX (1903: 176) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R, 1903/004/0001/10.

*Actinacis haueri* REUSS, 1854 – REUSS (1854: 128) – Turonian–Campanian, Gosau, Upper Austria, S (2), 2012/092/0003.

*Actinacis martiniana* D'ORBIGNY, 1850 – BARON-SZABO (2014a: 52, Pl. 57, Fig. 1) – Turonian–Campanian, Gosau Valley, Upper Austria, F, 1903/004/0002/01 (Reference material in: FELIX (1903: 177) sub *Actinacis martiniana* D'ORBIGNY, 1850).

*Actinacis martiniana* D'ORBIGNY, 1850 – BARON-SZABO (2014a: 52, Pl. 57, Fig. 7) – Turonian–Campanian, Gosau Valley, Upper Austria, F, 1903/004/0002/02 (Reference material in: FELIX (1903: 177) sub *Actinacis martiniana* D'ORBIGNY, 1850).

*Actinacis martiniana* D'ORBIGNY, 1850 – FELIX (1903: 177) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0002/01 (Figured in: BARON-SZABO (2014a: 52, Pl. 57, Fig. 1) sub *Actinacis martiniana* D'ORBIGNY, 1850).

*Actinacis martiniana* D'ORBIGNY, 1850 – FELIX (1903: 177) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0002/02 (Figured in: BARON-SZABO (2014a: 52, Pl. 57, Fig. 7) sub *Actinacis martiniana* D'ORBIGNY, 1850).

*Actinacis martiniana* D'ORBIGNY, 1850 – FELIX (1903: 177) – Turonian–Campanian, Gosau, Upper Austria, R (6), 1903/004/0002/03–08.

*Actinacis martiniana* D'ORBIGNY, 1850 – FELIX (1903: 177) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0002/09.

*Actinacis martiniana* D'ORBIGNY, 1850 – FELIX (1903: 177) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0002/10–11.

*Actinacis martiniana* D'ORBIGNY, 1850 – FELIX (1903: 177) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R, 1903/004/0002/12.

*Actinacis martiniana* D'ORBIGNY, 1850 – FELIX (1903: 177) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0002/13.

*Actinacis martiniana* D'ORBIGNY, 1850 – REUSS (1854: 127, Pl. 24, Fig. 14?) – Turonian–Campanian, Gosau, Upper Austria, R, 1854/007/0122/01.

*Actinacis martiniana* D'ORBIGNY, 1850 – REUSS (1854: 127) – Turonian–Campanian, Gosau, Upper Austria, R (6), 1854/007/0122/02–07.

*Actinacis parvistella* OPPENHEIM, 1930 – BARON-SZABO (2003a: 135) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R (2), 2003/023/0023/01, 04.

*Actinacis parvistella* OPPENHEIM, 1930 – BARON-SZABO (2003a: 135, Pl. 19, Figs. 1, 3) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0023/02 (Figured in: BARON-SZABO (2014a: 52, Pl. 57, Figs. 2, 3, 9) sub *Actinacis parvistella* OPPENHEIM, 1930).

*Actinacis parvistella* OPPENHEIM, 1930 – BARON-SZABO (2003a: 135) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R (2), 2003/023/0023/03–04.

*Actinacis parvistella* OPPENHEIM, 1930 – BARON-SZABO (2003a: 135) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R (2), 2003/023/0023/05–06.

*Actinacis parvistella* OPPENHEIM, 1930 – BARON-SZABO (2003a: 135, Pl. 20, Figs. 3, 5) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0023/07.

*Actinacis parvistella* OPPENHEIM, 1930 – BARON-SZABO (2014a: 52, Pl. 57, Figs. 2, 3, 9) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0023/02 (Figured in: BARON-SZABO (2003a: 135, Pl. 19, Figs. 1, 3) sub *Actinacis parvistella* OPPENHEIM, 1930).

*Actinacis remesi* FELIX, 1903 – SZENTE et al. (2010: 140, Pl. 3, Fig. 6) – Turonian–?Coniacian, St. Gilgen, “Station Billroth”, Salzburg, F, 2013/007/0005.

### *Actinastrea*

*Actinastrea elongata* ALLOITEAU, 1954 – BARON-SZABO (2002: 21, Pl. 3, Fig. 5) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0001/01 (Figured in: BARON-SZABO (2014a: 20, Pl. 2, Fig. 2) and reference material in: BARON-SZABO (2003a: 115, Pl. 1, Fig. 5) sub *Actinastrea elongata* ALLOITEAU, 1954).

*Actinastrea elongata* ALLOITEAU, 1954 – BARON-SZABO (2003a: 115, Pl. 1, Fig. 5) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R, 2003/023/0001/01 (Figured in: BARON-SZABO (2002: 21, Pl. 3, Fig. 5) and in: BARON-SZABO (2014a: 20, Pl. 2, Fig. 2) sub *Actinastrea elongata* ALLOITEAU, 1954).

*Actinastrea elongata* ALLOITEAU, 1954 – BARON-SZABO (2003a: 115) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R, 2003/023/0001/02.

*Actinastrea elongata* ALLOITEAU, 1954 – BARON-SZABO (2014a: 20, Pl. 2, Fig. 2) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0001/01 (Figured in: BARON-SZABO (2002: 21, Pl. 3, Fig. 5) and reference material in: BARON-SZABO (2003a: 115, Pl. 1, Fig. 5) sub *Actinastrea elongata* ALLOITEAU, 1954).

*Actinastrea decaphylla* (MICHELIN, 1847) – BARON-SZABO (2014a: 20, Pl. 3, Figs. 1–3) – Turonian–Campanian, Gosau, Upper Austria, F, 1903/004/0108/01 (Reference material in FELIX (1903: 315) sub *Astrocoenia decaphylla* (MICHELIN, 1847)).

*Actinastrea fromenteli* ALLOITEAU, 1954 – BARON-SZABO (1999: 443) – upper Santonian–Campanian, Weissenbachalm, Styria, R (4), 1999/089/0001/01, 03, 05–06.

*Actinastrea fromenteli* ALLOITEAU, 1954 – BARON-SZABO (1999: 443, Pl. 1, Fig. 2) – upper Santonian–Campanian, Weissenbachalm, Styria, F, 1999/089/0001/02.

*Actinastrea fromenteli* ALLOITEAU, 1954 – BARON-SZABO (1999: 443, Pl. 1, Fig. 1) – upper Santonian–Campanian, Weissenbachalm, Styria, F, 1999/089/0001/04.

*Actinastrea orbigny* (MILNE EDWARDS & HAIME, 1848b) – BARON-SZABO (2014a: 20, Pl. 2, Figs. 5, 7) – Turonian–Campanian (? upper Santonian), Gosau, Upper Austria, F, 1903/004/0110/01 (Figured in: FELIX (1903: 317, Pl. 24, Figs. 13, 13a) sub *Astrocoenia orbignyana* MILNE EDWARDS & HAIME (1849) and figured in: BEAUVAIS (1982, part 1: 28, Pl. 59, Fig. 9, Pl. 60, Fig. 1) sub *Columactina formosa* (GOLDFUSS, 1826)).

## *Agathelia*

*Agathelia asperella* REUSS, 1854 – BARON-SZABO (2003a: 118) – upper Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R, 2003/023/0004/01 (Holotype of *Agathelia subasperella* LÖSER (2014a: 306, Figs. 5.1–5.2)).

*Agathelia asperella* REUSS, 1854 – BARON-SZABO (2002: 187, Pl. 129, Fig. 5, Pl. 130, Fig. 4) – upper Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0004/02 (Figured in: BARON-SZABO (2003a: 118, Pl. 3, Figs. 2, 5, 6) sub *Agathelia asperella* REUSS, 1854, and holotype of *Agathelia subasperella* LÖSER (2014a: 306, Figs. 5.1–5.2)).

*Agathelia asperella* REUSS, 1854 – BARON-SZABO (2003a: 118, Pl. 3, Figs. 2, 5, 6) – upper Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0004/02 (Figured in: BARON-SZABO (2002: 187, Pl. 129, Fig. 5, Pl. 130, Fig. 4) sub *Agathelia asperella* REUSS, 1854 and holotype of *Agathelia subasperella* LÖSER (2014a: 306, Figs. 5.1–5.2)).

*Agathelia asperella* REUSS, 1854 – BARON-SZABO (2003a: 118) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R, 2003/023/0004/03.

*Agathelia asperella* REUSS, 1854 – BARON-SZABO (2003a: 118, Pl. 4, Fig. 7) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0004/04.

*Agathelia asperella* REUSS, 1854 – BARON-SZABO (2003a: 118) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R (8), 2003/023/0004/05–09, 11–13.

*Agathelia asperella* REUSS, 1854 – BARON-SZABO (2003a: 118, Pl. 4, Fig. 2, Pl. 4, Fig. 8) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0004/10.

*Agathelia asperella* REUSS, 1854 – BARON-SZABO (2014a: 187, Pl. 129, Figs. 3–4) – upper Santonian, Gosau Valley, ?Neffgraben, Salzburg, F, 1982/020/0002 (Questionable syntype of *Agathelia asperella* REUSS (1854: 82) and/or reference material in: FELIX (1903: 262), invalid neotype in BEAUVAIS (1982, part 1: 44, Pl. 51, Fig. 7, Pl. 62, Figs. 1–2) and figured in: BEAUVAIS & BEAUVAIS (1975: 577, Pl. 1, Fig. 2, Pl. 2, Figs. 1–2) sub *Agathelia asperella* REUSS, 1854, and in: LÖSER (2014a: 304, Figs. 3.4–3.6) sub *Agathelia cf. asperella* REUSS, 1854).

*Agathelia asperella* REUSS, 1854 – FELIX (1903: 262) – Turonian–Campanian, Gosau, Upper Austria, R (2), 1903/004/0073/01–02.

*Agathelia asperella* REUSS, 1854 – FELIX (1903: 262) – Turonian–Campanian, ?Gosau, Upper Austria, R, 1903/004/0073/03.

*Agathelia asperella* REUSS, 1854 – FELIX (1903: 262) – upper Santonian, Neffgraben, Gosau, Salzburg, R (2), 1903/004/0073/04–05 (Syntypes in: REUSS (1854: 82) sub *Agathelia asperella* REUSS, 1854),

*Agathelia asperella* REUSS, 1854 – REUSS (1854: 82) – upper Santonian, Neffgraben, Gosau, Salzburg, S (2), 1903/004/0073/04–05 (Reference material in: FELIX (1903: 262) sub *Agathelia asperella* REUSS, 1854).

*Agathelia asperella* REUSS, 1854 – FELIX (1903: 262) – upper Santonian, Neffgraben, Gosau, Salzburg, R (2), 1903/004/0073/06–07.

*Agathelia asperella* REUSS, 1854 – FELIX (1903: 262) – Santonian, Randograbener, Rußbach am Paß Gschütt, Salzburg, R (2), 1903/004/0073/08–09.

*Agathelia asperella* REUSS, 1854 – FELIX (1903: 262) – ?upper Santonian, Gosau Valley, ?Neffgraben, Salzburg, ?R, 1982/020/0002 (Questionable syntype of *Agathelia asperella* REUSS (1854: 82), figured in: BEAUVAIS & BEAUVAIS (1975: 577, Pl. 1, Fig. 2, Pl. 2, Figs. 1–2), invalid neotype in: BEAUVAIS (1982, part 1: 44, Pl. 51, Fig. 7, Pl. 62, Figs. 1–2) and figured in: BARON-SZABO (2002: 187, Pl. 129, Figs. 3–4) sub *Agathelia asperella* REUSS, 1854 and in: LÖSER (2014a: 304, Figs. 3.4–3.6) sub *Agathelia cf. asperella* REUSS, 1854).

*Agathelia asperella* REUSS, 1854 – BEAUVAIS (1982, part 1: 44, Pl. 51, Fig. 7) – upper Santonian, Gosau Valley, ?Neffgraben, Salzburg, N, 1982/020/0002 (Questionable syntype of *Agathelia asperella* REUSS (1854: 82) and/or questionable reference material in: FELIX (1903: 262), figured in: BEAUVAIS & BEAUVAIS (1975: 577, Pl. 1, Fig. 2, Pl. 2, Figs. 1–2) and in: LÖSER (2014a: 304, Figs. 3.4–3.6) sub *Agathelia cf. asperella* REUSS, 1854 and invalid neotype of *Agathelia asperella* REUSS, 1854 in: BEAUVAIS (1982, part 1: 44, Pl. 51, Fig. 7, Pl. 62, Figs. 1–2)).

*Agathelia asperella* REUSS, 1854 – BEAUVAIS & BEAUVAIS (1975: 577, Pl. 1, Fig. 2, Pl. 2, Figs. 1–2) – upper Santonian, Gosau Valley, ?Neffgraben, Salzburg, F, 1982/020/0002 (Questionable syntype of *Agathelia asperella* REUSS, 1854: 82 and/or reference material in: FELIX (1903: 262), invalid neotype in: BEAUVAIS (1982, part 1: 44, Pl. 51, Fig. 7, Pl. 62, Figs. 1–2) and figured in: BARON-SZABO (2002: 187, Pl. 129, Figs. 3–4) sub *Agathelia asperella* REUSS, 1854) and in: LÖSER (2014a: 304, Figs. 3.4–3.6) sub *Agathelia cf. asperella* REUSS, 1854).

*Agathelia asperella* REUSS, 1854 – REUSS (1854: 82) – upper Santonian, Gosau Valley, ?Neffgraben, Salzburg, ?S, 1982/020/0002 (Questionable reference material in: FELIX (1903: 262), figured in: BEAUVAIS & BEAUVAIS (1975: 577, Pl. 1, Fig. 2, Pl. 2, Figs. 1–2), invalid neotype of *Agathelia asperella* REUSS, 1854 in: BEAUVAIS (1982, part 1: 44, Pl. 51, Fig. 7, Pl. 62, Figs. 1–2) and figured in: BARON-SZABO (2002: 187, Pl. 129, Figs. 3–4) and in: LÖSER (2014a: 304, Figs. 3.4–3.6) sub *Agathelia cf. asperella* REUSS, 1854).

*Agathelia asperella* REUSS, 1854 – REUSS (1854: 82) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, S (5), 2012/055/0005–0006.

*Agathelia asperella* REUSS, 1854 – REUSS (1854: 82) – Turonian–Campanian, Gosau Valley, Upper Austria, S, 2012/092/0001.

*Agathelia asperella* REUSS, 1854 – REUSS (1854: 82) – upper Santonian, Neffgraben, Gosau, Salzburg, S (2), 2012/096/0003–0004.

*Agathelia asperella* REUSS, 1854 – SZENTE et al. (2010: 140, Pl. 3, Fig. 3) – Turonian–?Coniacian, St. Gilgen, “Station Billroth”, Salzburg, F, 2013/007/0002.

*Agathelia asperella* REUSS, 1854 – SZENTE et al. (2010: 140, Pl. 3, Fig. 4) – Turonian–?Coniacian, St. Gilgen, “Station Billroth”, Salzburg, F, 2013/007/0003.

*Agathelia cf. asperella* REUSS, 1854 – LÖSER (2014a: 304, Figs. 3.4–3.6) – upper Santonian, Gosau Valley, ?Neffgra-

ben, Salzburg, F, 1982/020/0002 (Questionable syntype of *Agathelia asperella* REUSS (1854: 82) and/or reference material in: FELIX (1903: 262), invalid neotype in: BEAUVAIS (1982, part 1: 44, Pl. 51, Fig. 7, Pl. 62, Figs. 1–2) and figured in: BEAUVAIS & BEAUVAIS (1975: 577, Pl. 1, Fig. 2, Pl. 2, Figs. 1–2) and in: BARON-SZABO (2002: 187, Pl. 129, Figs. 3–4) sub *Agathelia asperella* REUSS, 1854).

*Agathelia subasperella* LÖSER, 2014a – LÖSER (2014a: 306, Figs. 5.1–5.2) – upper Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, H, 2003/023/0004/02 (Figured in: BARON-SZABO (2002: 187, Pl. 129, Fig. 5, Pl. 130, Fig. 4) and in: BARON-SZABO (2003a: 118, Pl. 3, Figs. 2, 5, 6) sub *Agathelia asperella* REUSS, 1854).

### *Aplosmilia*

*Aplosmilia crucifera* FELIX, 1903 – FELIX (1903: 302, Pl. 23, Figs. 8, 8a) – Turonian–Campanian, Gosau, Upper Austria, S, 1903/004/0099/01 (Lectotype in: BEAUVAIS (1982, part 2: 119, Pl. 60, Fig. 4) sub *Elasmogyra crucifera* (FELIX, 1903) and figured in: BARON-SZABO (2014a: 47, Pl. 49, Figs. 5–6) sub *Rhabdopsammia crucifera* (FELIX, 1903)).

*Aplosmilia crucifera*, FELIX, 1903 – FELIX (1903: 302, Pl. 23, Fig. 9) – Turonian–Campanian, Gosau, Upper Austria, S, 1903/004/0099/02 (Paralectotype in: BEAUVAIS (1982, part 2: 119, Pl. 60, Fig. 5) sub *Elasmogyra crucifera* (FELIX, 1903) and figured in: BARON-SZABO (2014a: 47, Pl. 49, Figs. 1–2) sub *Rhabdopsammia crucifera* (FELIX, 1903)).

*Aplosmilia crucifera* FELIX, 1903 – FELIX (1903: 302, Pl. 23, Figs. 10, 10a) – Turonian–Campanian, Gosau, Upper Austria, S, 1903/004/0099/03 (Paralectotype in: BEAUVAIS (1982, part 2: 119, Pl. 60, Fig. 6) sub *Elasmogyra crucifera* (FELIX, 1903) and figured in: BARON-SZABO (2014a: 47, Pl. 49, Figs. 3–4) sub *Rhabdopsammia crucifera* (FELIX, 1903)).

### *Aspidastraea*

*Aspidastraea orientalis* KÜHN, 1933 – BARON-SZABO (2003a: 144, Pl. 25, Figs. 1–5) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0035 (Figured in: BARON-SZABO (2014a: 69, Pl. 76, Figs. 1–3) sub *Aspidastraea orientalis* KÜHN, 1933).

*Aspidastraea orientalis* KÜHN, 1933 – BARON-SZABO (2003a: 144) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R, 2003/023/0036/01.

*Aspidastraea orientalis* KÜHN, 1933 – BARON-SZABO (2003a: 144, Pl. 25, Figs. 6–7) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0036/02.

*Aspidastraea waehneri* (FELIX, 1903) – BARON-SZABO (2014a: 69, Pl. 76, Fig. 6) – Turonian–Campanian, Gosau, Upper Austria, F, 1903/004/0033/01 (Reference material in FELIX (1903: 213) sub *Dimorphastraea glomerata* REUSS, 1854).

*Aspidastraea orientalis* KÜHN, 1933 – BARON-SZABO (2014a: 69, Pl. 76, Figs. 1–3) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0035 (Figured in: BARON-SZABO (2003a: 144, Pl. 25, Figs. 1–5) sub *Aspidastraea orientalis* KÜHN, 1933).

### *Astraeofungia*

*Astraeofungia decipiens* (MICHELIN, 1847) – BEAUVAIS (1982, part 2: 68, Pl. 60, Fig. 7) – Santonian, Gosau, Upper Austria, F, 1903/004/0027/01 (Syntype in: REUSS (1854: 119) sub *Thamnastraea confusa* REUSS, 1854, figured in FELIX (1903: 205, Pl. 17, Fig. 9) sub *Thamnastraea decipiens* (MICHELIN, 1847), in: BARON-SZABO (2014a: 63, Pl. 71, Figs. 1–3) sub *Astraeofungia oppenheimi* BEAUVAIS, 1982).

*Astraeofungia minor* (FELIX, 1903) – BARON-SZABO (2014a: 61, Text-Fig. 16) – Turonian–Campanian, Gosau Valley (?Neffgraben, see FELIX (1903: 213)), Upper Austria, PL, 1903/004/0032 (Syntype of *Dimorphastraea sulcosa* var. *minor* FELIX (1903: 212); see also BEAUVAIS (1982, part 2: 69) sub *Astraeofungia felixi* BEAUVAIS, 1982)).

*Astraeofungia oppenheimi* BEAUVAIS, 1982 – BARON-SZABO (2014a: 63, Pl. 71, Figs. 1–3) – Santonian, Gosau, Upper Austria, F, 1903/004/0027/01 (Syntype in: REUSS (1854: 119) sub *Thamnastraea confusa* REUSS, 1854, figured in FELIX (1903: 205, Pl. 17, Fig. 9) sub *Thamnastraea decipiens* (MICHELIN, 1847) and in: BEAUVAIS (1982, part 2: 68, Pl. 60, Fig. 7) sub *Astraeofungia decipiens* (MICHELIN, 1847)).

*Astraeofungia raristella* (REUSS, 1854) – BARON-SZABO (2002: 132, Pl. 93, Fig. 2), Turonian–Campanian, Gosau, Upper Austria, F, 1854/007/0118 (Holotype by monotypy of *Cyathoseris raristella* REUSS (1854: 127, Pl. 20, Fig. 9) and figured in: BEAUVAIS (1982, part 2: 66, Pl. 28, Fig. 2) and BARON-SZABO (2014a: 63, Pl. 70, Fig. 6) sub *Astraeofungia raristella* (REUSS, 1854)).

*Astraeofungia raristella* (REUSS, 1854) – BARON-SZABO (2014a: 63, Pl. 70, Fig. 6) – Turonian–Campanian, Gosau, Upper Austria, F, 1854/007/0118 (Holotype by monotypy of *Cyathoseris raristella* REUSS (1854: 127, Pl. 20, Fig. 9) and figured in: BEAUVAIS (1982, part 2: 66, Pl. 28, Fig. 2) and BARON-SZABO (2002: 132, Pl. 93, Fig. 2) sub *Astraeofungia raristella* (REUSS, 1854)).

*Astraeofungia raristella* (REUSS, 1854) – BEAUVAIS (1982, part 2: 66, Pl. 28, Fig. 2) – Turonian–Campanian, Gosau, Upper Austria, F, 1854/007/0118 (Holotype by monotypy of *Cyathoseris raristella* REUSS (1854: 127, Pl. 20, Fig. 9) and figured in: BARON-SZABO (2002: 132, Pl. 93, Fig. 2) and BARON-SZABO (2014a: 63, Pl. 70, Fig. 6) sub *Astraeofungia raristella* (REUSS, 1854)).

### *Astraraea*

*Astraraea media* (SOWERBY, 1832) – BARON-SZABO (2003a: 137) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R, 2003/023/0026/01.

*Astraraea media* (SOWERBY, 1832) – BARON-SZABO (2003a: 137, Pl. 21, Figs. 3, 6) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0026/02.

*Astraraea media* (SOWERBY, 1832) – BARON-SZABO (2003a: 137) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R (3), 2003/023/0026/03–05.

*Astraraea media* (SOWERBY, 1832) – BARON-SZABO (2014a: 54, Pl. 61, Fig. 2) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, F, 1903/004/0006/01 (Reference

material in: FELIX (1903: 187) sub *Astraraea media* (SOWERBY, 1832)).

*Astraraea media* (SOWERBY, 1832) – FELIX (1903: 187) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0006/01 (Figured in: BARON-SZABO (2014a: 54, Pl. 61, Fig. 2) sub *Astraraea media* (SOWERBY, 1832)).

*Astraraea media* (SOWERBY, 1832) – FELIX (1903: 187) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (4), 1903/004/0006/02–05.

*Astraraea media* (SOWERBY, 1832) – FELIX (1903: 187) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0006/06–07.

### *Astrocoenia*

*Astrocoenia decaphylla* (MICHELIN, 1847) – FELIX (1903: 315) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0108/01 (Figured in: BARON-SZABO (2014a: 20, Pl. 3, Figs. 1–3) sub *Actinastrea decaphylla* (MICHELIN, 1847)).

*Astrocoenia decaphylla* (MICHELIN, 1847) – FELIX (1903: 315) – Turonian–Campanian, Gosau, Upper Austria, R (3), 1903/004/0108/02–03, 09.

*Astrocoenia decaphylla* (MICHELIN, 1847) – FELIX (1903: 315) – Turonian–Campanian, Gosau Valley, Upper Austria, R (5), 1903/004/0108/04–08.

*Astrocoenia decaphylla* (MICHELIN, 1847) – FELIX (1903: 315) – Santonian, ?Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0108/10.

*Astrocoenia decaphylla* (MICHELIN, 1847) – FELIX (1903: 315) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0108/11.

*Astrocoenia decaphylla* (MICHELIN, 1847) – FELIX (1903: 315) – upper Santonian, Neffgraben, Gosau, Salzburg, R (2), 1903/004/0108/12–13.

*Astrocoenia konincki* (MICHELIN, 1847) – FELIX (1903: 316) – Turonian–Campanian, Gosau Valley, Upper Austria, R (16), 1903/004/0109/01, 03, 07, 12–14, 19–28.

*Astrocoenia konincki* (MICHELIN, 1847) – FELIX (1903: 316) – Turonian–Campanian, Gosau, Upper Austria, R (12), 1903/004/0109/02, 04–06, 08–11, 15–18.

*Astrocoenia konincki* (MICHELIN, 1847) – FELIX (1903: 316) – upper Santonian, Brunstloch, Gosau, Upper Austria, R (3), 1903/004/0109/29–31.

*Astrocoenia konincki* (MICHELIN, 1847) – FELIX (1903: 316) – upper Santonian, Neffgraben, Gosau, Salzburg, R (4), 1903/004/0109/32–35.

*Astrocoenia konincki* (MICHELIN, 1847) – FELIX (1903: 316) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0109/36.

*Astrocoenia konincki* (MICHELIN, 1847) – FELIX (1903: 316) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R, 1903/004/0109/37.

*Astrocoenia konincki* (MICHELIN, 1847) – FELIX (1903: 316) – Upper Cretaceous, Zeller See, Upper Austria, R (6), 1903/004/0109/38.

*Astrocoenia magnifica* REUSS, 1854 – REUSS (1854: 94) – Turonian–Campanian, Gosau, Upper Austria, S, 2012/092/0010.

*Astrocoenia magnifica* REUSS, 1854 – REUSS (1854: 94) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, S (2), 2012/055/0011–0012.

*Astrocoenia orbignyana* MILNE EDWARDS & HAIME, 1849 – FELIX (1903: 317, Pl. 24, Figs. 13, 13a) – Turonian–Campanian (?upper Santonian), Gosau, Upper Austria, F, 1903/004/0110/01 (Figured in: BEAUVAIS (1982, part 1: 28, Pl. 59, Fig. 9, Pl. 60, Fig. 1) sub *Columactina formosa* (GOLDFUSS, 1826) and figured in: BARON-SZABO (2014a: 20, Pl. 2, Figs. 5, 7) sub *Actinastrea orbigny* (MILNE EDWARDS & HAIME, 1848b)).

*Astrocoenia orbignyana* MILNE EDWARDS & HAIME, 1849 – FELIX (1903: 317) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R, 1903/004/0110/02.

*Astrocoenia orbignyana* MILNE EDWARDS & HAIME, 1849 – FELIX (1903: 317) – Upper Cretaceous, Zeller See, Upper Austria, R (6), 1903/004/0110/03–08.

*Astrocoenia ramosa* (SOWERBY, 1832) – FELIX (1903: 312) – Turonian–Campanian, Gosau Valley, Upper Austria, R (13), 1903/004/0105/01, 03–14.

*Astrocoenia ramosa* (SOWERBY, 1832) – FELIX (1903: 312) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0105/02.

*Astrocoenia ramosa* (SOWERBY, 1832) – FELIX (1903: 312) – upper Santonian, Neffgraben, Gosau, Salzburg, R (3), 1903/004/0105/15–17.

*Astrocoenia ramosa* (SOWERBY, 1832) – FELIX (1903: 312) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (7), 1903/004/0105/18–19.

*Astrocoenia ramosa* (SOWERBY, 1832) – FELIX (1903: 312) – Santonian, Rechen/Gams, Hiefflau, Styria, R, 1903/004/0105/20.

*Astrocoenia ramosa* var. *reticulata* (GOLDFUSS, 1826) – FELIX (1903: 312) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (5), 1903/004/0106/01–05.

*Astrocoenia ramosa* var. *reticulata* (GOLDFUSS, 1826) – FELIX (1903: 312) – Turonian–Campanian, Gosau Valley, Upper Austria, R (2), 1903/004/0106/06–07.

*Astrocoenia ramosa* var. *tuberculata* REUSS, 1854 – FELIX (1903: 312) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0107/01.

### *Astrogyra*

*Astrogyra edwardsi* (REUSS, 1854) – BARON-SZABO (2002: 40, Pl. 23, Fig. 1) – Turonian–Campanian, Gosau, Upper Austria, F, 1854/007/0030 (Holotype by monotypy of *Gyrosmlia edwardsi* REUSS (1854: 92, Pl. 4, Figs. 1–3), figured in: BEAUVAIS (1982, part 1: 78, Pl. 5, Fig. 2) and in: BARON-SZABO (2014a: 29, Pl. 16, Figs. 1–2) sub *Astrogyra edwardsi* (REUSS, 1854)).

*Astrogyra edwardsi* (REUSS, 1854) – BARON-SZABO (2014a: 29, Pl. 16, Figs. 1–2) – Turonian–Campanian, Gosau, Upper Austria, F, 1854/007/0030 (Holotype by monotypy of *Gyrosmilia edwardsi* REUSS (1854: 92, Pl. 4, Figs. 1–3) and figured in: BARON-SZABO (2002: 40, Pl. 23, Fig. 1) and BEAUVAIS (1982, part 1: 78, Pl. 5, Fig. 2) sub *Astrogyra edwardsi* (REUSS, 1854)).

*Astrogyra edwardsi* (REUSS, 1854) – BEAUVAIS (1982, part 1: 78, Pl. 5, Fig. 2) – Turonian–Campanian, Gosau, Upper Austria, F, 1854/007/0030 (Holotype by monotypy of *Gyrosmilia edwardsi* REUSS (1854: 92, Pl. 4, Figs. 1–3) and figured in: BARON-SZABO (2002: 40, Pl. 23, Fig. 1) and BARON-SZABO (2014a: 29, Pl. 16, Figs. 1–2) sub *Astrogyra edwardsi* (REUSS, 1854)).

*Astrogyra orbigny* (DE FROMENTEL, 1873) – BARON-SZABO (1999: 446) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0005/01.

*Astrogyra orbigny* (DE FROMENTEL, 1873) – BARON-SZABO (1999: 446, Pl. 3, Figs. 1, 4, Pl. 8, Fig. 1) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0005/02 (Figured in: BARON-SZABO (2014a: 29, Pl. 16, Figs. 3–5) sub *Astrogyra orbigny* (DE FROMENTEL, 1873)).

*Astrogyra orbigny* (DE FROMENTEL, 1873) – BARON-SZABO (1999: 447, Pl. 5, Fig. 2) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0006/02 (Figured in: BARON-SZABO (2014a: 34, Pl. 24, Fig. 3) sub *Placosmilia turonensis* (DE FROMENTEL, 1873)).

*Astrogyra orbigny* (DE FROMENTEL, 1873) – BARON-SZABO (2014a: 29, Pl. 16, Figs. 3–5) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0005/02 (Figured in: BARON-SZABO (1999: 446, Pl. 3, Figs. 1, 4, Pl. 8, Fig. 1) sub *Astrogyra orbigny* (DE FROMENTEL, 1873)).

### *Aulopsammia*

*Aulopsammia murchisoni* REUSS, 1854 – FELIX (1903: 356) – upper Santonian, Neffgraben, Gosau, Salzburg, R (2), 1903/004/0134/01–02.

*Aulopsammia murchisoni* REUSS, 1854 – FELIX (1903: 356) – upper Santonian, ?Neffgraben, Gosau, Salzburg, R, 1903/004/0134/03.

*Aulopsammia murchisoni* REUSS, 1854 – REUSS (1854: 130) – Turonian–Campanian, Gosau, Upper Austria, S (4), 2012/092/0004–0005.

*Aulopsammia vermiculata*, FELIX, 1903 – FELIX (1903: 358, Pl. 22, Fig. 9) – Turonian–Campanian, Gosau, Upper Austria, S, 1903/004/0136/01 (Figured in: BEAUVAIS (1982, part 3: 28, Pl. 61, Fig. 3) sub *Epiphaxum vermiculata* (FELIX, 1903)).

*Aulopsammia vermiculata*, FELIX, 1903 – FELIX (1903: 359, Text-Fig. 67) – Turonian–Campanian, Gosau, Upper Austria, S, 1903/004/0136/02 (Figured in: BEAUVAIS (1982, part 3: 28, Pl. 61, Fig. 4) sub *Epiphaxum vermiculata* (FELIX, 1903)).

### *Aulosmilia*

*Aulosmilia aspera* (SOWERBY, 1832) – BARON-SZABO (1999: 449, Pl. 6, Fig. 5) – upper Turonian, Weissenbachalm, Styria, F, 1999/089/0009/08.

*Aulosmilia aspera* (SOWERBY, 1832) – BARON-SZABO (1999: 449) – upper Turonian, Weissenbachalm, Styria, R, 1999/089/0009/08.

*Aulosmilia aspera* (SOWERBY, 1832) – BARON-SZABO (1999: 449) – upper Turonian, Weissenbachalm, Styria, R, 1999/089/0010/01.

*Aulosmilia aspera* (SOWERBY, 1832) – BARON-SZABO (2002: 66, Pl. 45, Figs. 3–4) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0014/01 (Figured in: BARON-SZABO (2003a: 127, Pl. 12, Figs. 5–6) sub *Aulosmilia aspera* (SOWERBY, 1832)).

*Aulosmilia aspera* (SOWERBY, 1832) – BARON-SZABO (2003a: 127, Pl. 12, Figs. 5–6) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0014/01 (Figured in: BARON-SZABO (2002: 66, Pl. 45, Figs. 3–4) sub *Aulosmilia aspera* (SOWERBY, 1832)).

*Aulosmilia aspera* (SOWERBY, 1832) – BARON-SZABO (2003a: 127, Pl. 12, Figs. 1–4) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0014/02 (Figured in: BARON-SZABO (2014a: 41, Pl. 35, Figs. 5–6) sub *Aulosmilia aspera* (SOWERBY, 1832)).

*Aulosmilia aspera* (SOWERBY, 1832) – BARON-SZABO (2003a: 127) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R (23), 2003/023/0014/03–04, 38–58.

*Aulosmilia aspera* (SOWERBY, 1832) – BARON-SZABO (2003a: 127) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R (29), 2003/023/0014/05–33.

*Aulosmilia aspera* (SOWERBY, 1832) – BARON-SZABO (2003a: 127, Pl. 10, Figs. 1–5) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0014/34.

*Aulosmilia aspera* (SOWERBY, 1832) – BARON-SZABO (2003a: 127, Pl. 11, Figs. 1–2, 4–6) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0014/35.

*Aulosmilia aspera* (SOWERBY, 1832) – BARON-SZABO (2003a: 127) – Santonian, Gosau, Grabenbach, Upper Austria, R (2), 2003/023/0014/36–37.

*Aulosmilia aspera* (SOWERBY, 1832) – BARON-SZABO (2003a: 127) – upper Santonian, Hochmoos Formation, Gosau, Finstergraben, Upper Austria, R (4), 2003/023/0014/59–62.

*Aulosmilia aspera* (SOWERBY, 1832) – BARON-SZABO (2003a: 127, Pl. 11, Fig. 3) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0014/63.

*Aulosmilia aspera* (SOWERBY, 1832) – BARON-SZABO (2014a: 41, Pl. 35, Figs. 5–6) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0014/02 (Figured in: BARON-SZABO (2003a: 127, Pl. 12, Figs. 1–4) sub *Aulosmilia aspera* (SOWERBY, 1832)).

*Aulosmilia cuneiformis* (MILNE EDWARDS & HAIME, 1848b) – BARON-SZABO (1999: 449) – upper Turonian, Weissenbachalm, Styria, R, 1999/089/0009/01.

*Aulosmilia cuneiformis* (MILNE EDWARDS & HAIME, 1848b) – BARON-SZABO (1999: 449, Pl. 5, Fig. 1) – upper Turonian, Weissenbachalm, Styria, F, 1999/089/0009/02 (Figured in: BARON-SZABO (2014a: 41, Pl. 35, Fig. 7) sub *Aulosmilia cuneiformis* (MILNE EDWARDS & HAIME, 1848b)).

*Aulosmilia cuneiformis* (MILNE EDWARDS & HAIME, 1848b) – BARON-SZABO (1999: 449) – upper Turonian, Weissenbachalm, Styria, R (5), 1999/089/0009/03–07.

*Aulosmilia cuneiformis* (MILNE EDWARDS & HAIME, 1848b) – BARON-SZABO (1999: 449) – upper Turonian, Weissenbachalm, Styria, R (2), 1999/089/0009/08.

*Aulosmilia cuneiformis* (MILNE EDWARDS & HAIME, 1848b) – BARON-SZABO (2014a: 41, Pl. 35, Fig. 7) – upper Turonian, Weissenbachalm, Styria, F, 1999/089/0009/02 (Figured in: BARON-SZABO (1999: 449, Pl. 5, Fig. 1) sub *Aulosmilia cuneiformis* (MILNE EDWARDS & HAIME, 1848b)).

### ***Balanophyllia***

*Balanophyllia* sp. – BARON-SZABO (2002: 370, Pl. 58, Fig. 5) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0006 (Figured in: BARON-SZABO (2003a: 120, Pl. 3, Figs. 3, 4) and BARON-SZABO (2014a: 47, Pl. 50, Figs. 1–2) sub *Balanophyllia* sp.).

*Balanophyllia* sp. – BARON-SZABO (2003a: 20, Pl. 3, Figs. 3–4) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0006 (Figured in: BARON-SZABO (2002: 370, Pl. 58, Fig. 5) and BARON-SZABO (2014a: 47, Pl. 50, Figs. 1–2) sub *Balanophyllia* sp.).

*Balanophyllia* sp. – BARON-SZABO (2014a: 47, Pl. 50, Figs. 1–2) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0006 (Figured in: BARON-SZABO (2002: 370, Pl. 58, Fig. 5) and BARON-SZABO (2003a: 120, Pl. 3, Figs. 3–4) sub *Balanophyllia* sp.).

### ***Baryhelia***

*Baryhelia grandis* (REUSS, 1854) – BARON-SZABO (2014a: 84, Pl. 88, Figs. 1–2) – Santonian, Gosau, Upper Austria, F, 1854/007/0037 (Syntype of *Heterocoenia grandis* REUSS (1854: 100, Pl. 10, Figs. 1–2)).

*Baryhelia grandis* (REUSS, 1854) – BARON-SZABO (2014a: 84, Pl. 87, Fig. 3) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, F, 1903/004/0048 (Figured in: FELIX (1903: 229, Pl. 19, Fig. 7) sub *Heterocoenia grandis* REUSS, 1854).

*Baryhelia stachei* (FELIX, 1903) – BARON-SZABO (2014a: 84, Pl. 88, Figs. 3–6) – Turonian–Campanian, Gosau Valley, Upper Austria, F, 1903/004/0050/02 (Syntype of *Heterocoenia stachei* FELIX (1903: 231) and paralectotype through lectotype designation in: BEAUVAIS (1982, part 3: 19) sub *Baryhelia stachei* (FELIX, 1903)).

*Baryhelia stachei* (FELIX, 1903) – BEAUVAIS (1982, part 3: 19) – Turonian–Campanian, Gosau Valley, Upper Austria, PL, 1903/004/0050/02 (Syntype of *Heterocoenia stachei* FELIX (1903: 231) and figured in: BARON-SZABO (2014a: 84, Pl. 88, Figs. 3–6) sub *Baryhelia stachei* (FELIX, 1903)).

*Baryhelia stachei* (FELIX, 1903) – BEAUVAIS (1982, part 3: 19) – Santonian, Randograb, Rußbach am Paß Gschütt, Salzburg, PL, 1903/004/0050/03 (Syntype of *Heterocoenia stachei* FELIX (1903: 231)).

### ***Barysmilia***

*Barysmilia* cf. *irregularis* (REUSS, 1854) – BARON-SZABO (2014a: 48, Pl. 50, Figs. 5–6) – upper Santonian, Neffgraben, Gosau, Salzburg, F, 1903/004/0097 (Figured in: FELIX (1903: 300) sub *Placocoenia* cf. *irregularis* REUSS, 1854).

*Barysmilia tuberosa* REUSS, 1854 – REUSS (1854: 91) – upper Santonian, Neffgraben, Gosau, Salzburg, S, 1854/007/0028/01.

*Barysmilia tuberosa* REUSS, 1854 – REUSS (1854: 91) – upper Santonian, Neffgraben, Gosau, Salzburg, S, 1854/007/0028/02.

*Barysmilia tuberosa* REUSS, 1854 – REUSS (1854: 91) – upper Santonian, Neffgraben, Gosau, Salzburg, S, 2012/096/0005.

*Barysmilia tuberosa* REUSS, 1854 – REUSS (1854: 91) – Turonian–Campanian, Gosau, Upper Austria, S, 2012/092/0017.

### ***Bosnopsammia***

*Bosnopsammia lindstroemi* (OPPENHEIM, 1930) – BARON-SZABO (1999: 457) – upper Santonian–Campanian, Weissenbachalm, Styria, R, 1999/089/0019/01.

*Bosnopsammia lindstroemi* (OPPENHEIM, 1930) – BARON-SZABO (2014a: 53, Pl. 58, Figs. 1, 2) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0019/02 (Figured in: BARON-SZABO (1999: 457, Pl. 6, Fig. 4) sub *Elephantaria lindstroemi* OPPENHEIM, 1930).

### ***Brachycaulia***

*Brachycaulia felixi* BEAUVAIS, 1982 – BARON-SZABO (2014a: 51, Pl. 55, Figs. 3–6) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, F, 1903/004/0072 (Figured in: FELIX (1903: 261, Pl. 20, Figs. 15, 15a) sub *Brachyphyllia haueri* (REUSS, 1854) and holotype by designation of *Brachycaulia felixi* BEAUVAIS (1982, part 2: 230, Pl. 44, Fig. 1)).

*Brachycaulia felixi* BEAUVAIS, 1982 – BEAUVAIS (1982, part 2: 230, Pl. 44, Fig. 1) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, Hd, 1903/004/0072 (Figured in: FELIX (1903: 261, Pl. 20, Figs. 15, 15a) sub *Brachyphyllia haueri* (REUSS, 1854) and in: BARON-SZABO (2014a: 51, Pl. 55, Figs. 3–6) sub *Brachycaulia felixi* BEAUVAIS, 1982).

### ***Brachycoenia***

*Brachycoenia leptophyllia* (REUSS, 1854) – BARON-SZABO (1999: 455) – upper Santonian–Campanian, Weissenbachalm, Styria, R (5), 1999/089/0016/01–04, 06.

*Brachycoenia leptophyllia* (REUSS, 1854) – BARON-SZABO (1999: 455, Pl. 1, Fig. 6, Pl. 4, Fig. 3) – upper Santonian–Campanian, Weissenbachalm, Styria, F, 1999/089/0016/05.

## **Brachymeandra**

*Brachymeandra leptophylla* (REUSS, 1854) – BARON-SZABO (2002: 111, Pl. 78, Fig. 1, 3) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0024/02 (Figured in: BARON-SZABO (2003a: 136, Pl. 19, Figs. 5, 7) and BARON-SZABO (2014a: 57, Pl. 64, Figs. 3–5) sub *Brachymeandra leptophylla* (REUSS, 1854)).

*Brachymeandra leptophylla* (REUSS, 1854) – BARON-SZABO (2003a: 136) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R, 2003/023/0024/01.

*Brachymeandra leptophylla* (REUSS, 1854) – BARON-SZABO (2003a: 136, Pl. 19, Figs. 5, 7) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0024/02 (Figured in: BARON-SZABO (2002: 111, Taf. 78, Figs. 1, 3) and BARON-SZABO (2014a: 57, Pl. 64, Figs. 3–5) sub *Brachymeandra leptophylla* (REUSS, 1854)).

*Brachymeandra leptophylla* (REUSS, 1854) – BARON-SZABO (2003a: 136, Pl. 19, Fig. 4) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0024/03.

*Brachymeandra leptophylla* (REUSS, 1854) – BARON-SZABO (2014a: 57, Pl. 64, Figs. 3–5) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0024/02 (Figured in: BARON-SZABO (2002: 111, Taf. 78, Figs. 1, 3) and BARON-SZABO (2003a: 136, Pl. 19, Figs. 5, 7) sub *Brachymeandra leptophylla* (REUSS, 1854)).

*Brachymeandra leptophylla* (REUSS, 1854) – BARON-SZABO (2014a: 57, Pl. 65, Fig. 5) – Turonian–?Coniacian, St. Gilgen, “Station Billroth”, Salzburg, F, 2013/007/0007 (Figured in: SZENTE et al. (2010: 140, Pl. 3, Figs. 10–11) sub *Brachymeandra leptophylla* (REUSS, 1854)).

*Brachymeandra leptophylla* (REUSS, 1854) – SZENTE et al. (2010: 140, Pl. 3, Figs. 10–11) – Turonian–?Coniacian, St. Gilgen, “Station Billroth”, Salzburg, F, 2013/007/0007 (Figured in: BARON-SZABO (2014a: 57, Pl. 65, Fig. 5) sub *Brachymeandra leptophylla* (REUSS, 1854)).

## **Brachyphyllia**

*Brachyphyllia dormitzeri* REUSS, 1854 – FELIX (1903: 260) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R, 1903/004/0071/01.

*Brachyphyllia dormitzeri* REUSS, 1854 – FELIX (1903: 260) – Upper Cretaceous, Zeller See, Upper Austria, R, 1903/004/0071/02.

*Brachyphyllia felixi* BARON-SZABO, 2000 – BARON-SZABO (2002: 153, Pl. 115, Fig. 3) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0028/01 (Figured in: BARON-SZABO (2003a: 139, Pl. 20, Fig. 2) sub *Brachyphyllia felixi* BARON-SZABO, 2000).

*Brachyphyllia felixi* BARON-SZABO, 2000 – BARON-SZABO (2003a: 139, Pl. 20, Fig. 2) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0028/01 (Figured in: BARON-SZABO (2002: 153, Pl. 115, Fig. 3) sub *Brachyphyllia felixi* BARON-SZABO, 2000).

*Brachyphyllia haueri* (REUSS, 1854) – FELIX (1903: 261, Pl. 20, Figs. 15, 15a) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, F, 1903/004/0072 (Holotype by

designation of *Brachycaulia felixi* BEAUVAIS (1982, part 2: 230, Pl. 44, Fig. 1) and figured in: BARON-SZABO (2014a: 51, Pl. 55, Figs. 3–6) sub *Brachycaulia felixi* BEAUVAIS, 1982).

## **Calamophyllia**

*Calamophyllia multincincta* REUSS, 1854 – REUSS (1854: 105) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, S (4), 1903/004/0086/06–09 (Reference material in: FELIX (1903: 285) sub *Platysmilia multincincta* (REUSS, 1854)).

*Calamophyllia multincincta* REUSS, 1854 – REUSS (1854: 105) – Turonian–Campanian, Gosau, Upper Austria, S (2), 2012/092/0018/01.

## **Calamophylliopsis**

*Calamophylliopsis simonyi* (REUSS, 1854) – BARON-SZABO (2014a: 37, Pl. 30, Figs. 1–7) – upper Turonian, Gams, Hieflau, Styria, F, 1854/007/0076 (Syntype of *Cladocora simonyi* REUSS (1854: 112, Pl. 12, Figs. 5–7), reference material in: FELIX (1903: 267) and figured in: BEAUVAIS (1982, part 2: 233, Pl. 44, Fig. 2) sub *Calamophylliopsis simonyi* (REUSS, 1854)).

*Calamophylliopsis simonyi* (REUSS, 1854) – BEAUVAIS (1982, part 2: 233, Pl. 44, Fig. 2) – upper Turonian, Gams, Hieflau, Styria, F, 1854/007/0076 (Syntype of *Cladocora simonyi* REUSS (1854: 112, Pl. 12, Figs. 5–7), reference material in: FELIX (1903: 267) and figured in: BARON-SZABO (2014a: 37, Pl. 30, Figs. 1–7) sub *Calamophylliopsis simonyi* (REUSS, 1854)).

*Calamophylliopsis simonyi* (REUSS, 1854) – FELIX (1903: 267) – upper Turonian, Gams, Hieflau, Styria, R, 1854/007/0076 (Syntype of *Cladocora simonyi* REUSS (1854: 112, Pl. 12, Figs. 5–7), reference material in: FELIX (1903: 267) and figured in: BEAUVAIS (1982, part 2: 233, Pl. 44, Fig. 2) and in: BARON-SZABO (2014a: 37, Pl. 30, Figs. 1–7) sub *Calamophylliopsis simonyi* (REUSS, 1854)).

## **Cladocora**

*Cladocora simonyi* REUSS, 1854 – REUSS (1854: 112, Pl. 12, Figs. 5–7) – upper Turonian, Gams, Hieflau, Styria, S, 1854/007/0076 (Reference material in: FELIX (1903: 267), figured in: BEAUVAIS (1982, part 2: 233, Pl. 44, Fig. 2) and in: BARON-SZABO (2014a: 37, Pl. 30, Figs. 1–7) sub *Calamophylliopsis simonyi* (REUSS, 1854)).

*Cladocora simonyi* REUSS, 1854 – FELIX (1903: 266) – upper Santonian, Brunstloch, Gosau, Upper Austria, R, 1903/004/0075/01.

*Cladocora simonyi* REUSS, 1854 – FELIX (1903: 266) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0075/02.

*Cladocora simonyi* REUSS, 1854 – FELIX (1903: 266) – Turonian–Campanian, ?Gosau, Upper Austria, R, 1903/004/0075/03.

*Cladocora* cf. *simonyi* REUSS, 1854 – FELIX (1903: 266) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0075/04.



*Cladocora gracilis* (D'ORBIGNY, 1850) – BARON-SZABO (2002: 33, Pl. 17, Fig. 2) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0008/01 (Reference material in: BARON-SZABO (2003a: 122) and figured in: BARON-SZABO (2014a: 27, Pl. 11, Fig. 6) sub *Cladocora gracilis* (D'ORBIGNY, 1850)).

*Cladocora gracilis* (D'ORBIGNY, 1850) – BARON-SZABO (2003a: 122) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0008/01 (Figured in: BARON-SZABO (2002: 33, Pl. 17, Fig. 2) and BARON-SZABO (2014a: 27, Pl. 11, Fig. 6) sub *Cladocora gracilis* (D'ORBIGNY, 1850)).

*Cladocora gracilis* (D'ORBIGNY, 1850) – BARON-SZABO (2003a: 122) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R, 2003/023/0008/02.

*Cladocora gracilis* (D'ORBIGNY, 1850) – BARON-SZABO (2003a: 122, Pl. 5, Fig. 9, Pl. 9, Figs. 3–5) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0008/03.

*Cladocora gracilis* (D'ORBIGNY, 1850) – BARON-SZABO (2003a: 122) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R, 2003/023/0008/04.

*Cladocora gracilis* (D'ORBIGNY, 1850) – BARON-SZABO (2014a: 27, Pl. 11, Fig. 6) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R, 2003/023/0008/01 (Figured in: BARON-SZABO (2002: 33, Pl. 17, Fig. 2) and reference material in: BARON-SZABO (2003a: 122) sub *Cladocora gracilis* (D'ORBIGNY, 1850)).

*Cladocora gracilis* (D'ORBIGNY, 1850) – BARON-SZABO (2014a: 27, Pl. 11, Figs. 7–8) – Turonian–?Coniacian, St. Gilgen, “Station Billroth”, Salzburg, F, 2013/007/0001 (Figured in: SZENTE et al. (2010: 140, Pl. 3, Figs. 1–2) sub *Cladocora gracilis* (D'ORBIGNY, 1850)).

*Cladocora gracilis* (D'ORBIGNY, 1850) – SZENTE et al. (2010: 140, Pl. 3, Figs. 1–2) – Turonian–?Coniacian, St. Gilgen, “Station Billroth”, Salzburg, F, 2013/007/0001 (Figured in: BARON-SZABO (2014a: 27, Pl. 11, Figs. 7–8) sub *Cladocora gracilis* (D'ORBIGNY, 1850)).

*Cladocora tenuis* REUSS, 1854 – FELIX (1903: 265) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0074/01.

*Cladocora tenuis* REUSS, 1854 – FELIX (1903: 265) – Turonian–Campanian, Gosau Valley, Upper Austria, R (8), 1903/004/0074/02–09.

*Cladocora tenuis* REUSS, 1854 – FELIX (1903: 265) – Santonian, Randograbens, Rußbach am Paß Gschütt, Salzburg, R (3), 1903/004/0074/11–13.

*Cladocora tenuis* REUSS, 1854 – FELIX (1903: 265) – Upper Cretaceous, Zeller See, Upper Austria, R (3), 1903/004/0074/14–16.

*Cladocora tenuis* REUSS, 1854 – FELIX (1903: 265) – Santonian, Rechen/Gams, Hieflau, Styria, R, 1903/004/0074/17.

*Cladocora* cf. *tenuis* REUSS, 1854 – FELIX (1903: 265) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0074/10.

## *Columactina*

*Columactina formosa* (GOLDFUSS, 1826) – BEAUVAIS (1982, part 1: 28, Pl. 59, Fig. 9, Pl. 60, Fig. 1) – Turonian–Campanian (?upper Santonian), Gosau, Upper Austria, F, 1903/004/0110/01 (Figured in: FELIX (1903: 317, Pl. 24, Figs. 13, 13a) sub *Astrocoenia orbignyana* MILNE EDWARDS & HAIME, 1849 and figured in: BARON-SZABO (2014a: 20, Pl. 2, Figs. 5, 7) sub *Actinastrea orbigny* (MILNE EDWARDS & HAIME, 1848b)).

## *Columactinastrea*

*Columactinastrea formosa* (GOLDFUSS, 1829) – BARON-SZABO (2003a: 117) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R, 2003/023/0003/01.

*Columactinastrea formosa* (GOLDFUSS, 1829) – BARON-SZABO (2003a: 117, Pl. 1, Fig. 2) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0003/02 (Figured in: BARON-SZABO (2002: 57, Pl. 4, Fig. 5) and in: BARON-SZABO (2014a: 21, Pl. 4, Fig. 2) sub *Columactinastrea formosa* (GOLDFUSS, 1829)).

*Columactinastrea formosa* (GOLDFUSS, 1829) – BARON-SZABO (2014a: 21, Pl. 4, Fig. 5) – Coniacian–Santonian, Gosau Valley, Upper Austria, F, 1903/004/0111/01 (Reference material in FELIX (1903: 318) sub *Stephanocoenia formosa* (GOLDFUSS, 1829)).

*Columactinastrea formosa* (GOLDFUSS, 1829) – BARON-SZABO (2014a: 21, Pl. 4, Fig. 2) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0003/02 (Figured in: BARON-SZABO (2002: 57, Pl. 4, Fig. 5) and in: BARON-SZABO (2003a: 117, Pl. 1, Fig. 2) sub *Columactinastrea formosa* (GOLDFUSS, 1829)).

*Columactinastrea formosissima* (SOWERBY, 1832) – BARON-SZABO (1999: 445) – upper Santonian–Campanian, Weissenbachalm, Styria, R (6), 1999/089/0002/01–05, 07.

*Columactinastrea formosissima* (SOWERBY, 1832) – BARON-SZABO (1999: 445, Pl. 1, Fig. 4) – upper Santonian–Campanian, Weissenbachalm, Styria, F, 1999/089/0002/06.

*Columactinastrea pygmaea* (FELIX, 1903) – BARON-SZABO (2002: 22, Pl. 3, Fig. 4) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0002/02 (Figured in: BARON-SZABO (2003a: 116, Pl. 1, Figs. 1, 3, Pl. 2, Figs. 1–6) and in: BARON-SZABO (2014a: 21, Pl. 1, Fig. 5, Pl. 4, Figs. 1, 3) sub *Columactinastrea pygmaea* (FELIX, 1903)).

*Columactinastrea pygmaea* (FELIX, 1903) – BARON-SZABO (2003a: 116) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R (2), 2003/023/0002/01, 03.

*Columactinastrea pygmaea* (FELIX, 1903) – BARON-SZABO (2003a: 116, Pl. 1, Figs. 1, 3, Pl. 2, Figs. 1–6) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0002/02 (Figured in: BARON-SZABO (2002: 22, Pl. 3, Fig. 4) and in: BARON-SZABO (2014a: 21, Pl. 1, Fig. 5, Pl. 4, Figs. 1, 3) sub *Columactinastrea pygmaea* (FELIX, 1903)).

*Columactinastrea pygmaea* (FELIX, 1903) – BARON-SZABO (2003a: 116) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R, 2003/023/0002/04.

*Columactinastrea pygmaea* (FELIX, 1903) – BARON-SZABO (2003a: 116) – Santonian, Gosau, Grabenbach, Upper Austria, R, 2003/023/0002/05.

*Columactinastrea pygmaea* (FELIX, 1903) – BARON-SZABO (2003a: 116, Pl. 1, Figs. 4, 6) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0002/06.

*Columactinastrea pygmaea* (FELIX, 1903) – BARON-SZABO (2003a: 116, Pl. 2, Fig. 7) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0002/07.

*Columactinastrea pygmaea* (FELIX, 1903) – BARON-SZABO (2014a: 21, Pl. 1, Fig. 5, Pl. 4, Figs. 1, 3) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0002/02 (Figured in: BARON-SZABO (2002: 22, Pl. 3, Fig. 4) and in: BARON-SZABO (2003a: 116, Pl. 1, Figs. 1, 3, Pl. 2, Figs. 1–6) sub *Columactinastrea pygmaea* (FELIX, 1903)).

### *Columastrea*

*Columastrea striata* (GOLDFUSS, 1826) – BARON-SZABO (2002: 57, Pl. 42, Fig. 4) – lower Santonian, Wolfschwang near Salzburg, Salzburg, F, 1903/004/0112/01 (Reference material in: FELIX (1903: 320) sub *Columnaera striata* (GOLDFUSS, 1826) and figured in: BARON-SZABO (2014a: 38, Pl. 32, Fig. 1) sub *Columastrea striata* (GOLDFUSS, 1826)).

*Columastrea striata* (GOLDFUSS, 1826) – BARON-SZABO (2002: 57, Pl. 42, Fig. 5) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0010/02 (Figured in: BARON-SZABO (2003a: 123, Pl. 3, Fig. 1) and BARON-SZABO (2014a: 38, Pl. 32, Fig. 3) sub *Columastrea striata* (GOLDFUSS, 1826)).

*Columastrea striata* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 123) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R, 2003/023/0010/01.

*Columastrea striata* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 123, Pl. 3, Fig. 1) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0010/02 (Figured in: BARON-SZABO (2002: 57, Pl. 42, Fig. 5) and BARON-SZABO (2014a: 38, Pl. 32, Fig. 3) sub *Columastrea striata* (GOLDFUSS, 1826)).

*Columastrea striata* (GOLDFUSS, 1826) – BARON-SZABO (2014a: 38, Pl. 32, Fig. 1) – lower Santonian, Wolfschwang near Salzburg, Salzburg, F, 1903/004/0112/01 (Reference material in: FELIX (1903: 320) sub *Columnaera striata* (GOLDFUSS, 1826) and figured in: BARON-SZABO (2002: 57, Pl. 42, Fig. 4) sub *Columastrea striata* (GOLDFUSS, 1826)).

*Columastrea striata* (GOLDFUSS, 1826) – BARON-SZABO (2014a: 38, Pl. 32, Fig. 3) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0010/02 (Figured in: BARON-SZABO (2002: 57, Pl. 42, Fig. 5) and BARON-SZABO (2003a: 123, Pl. 3, Fig. 1) sub *Columastrea striata* (GOLDFUSS, 1826)).

### *Columnaera (= Columastra)*

*Columnaera striata* (GOLDFUSS, 1826) – FELIX (1903: 320) – lower Santonian, Wolfschwang near Salzburg, Salzburg, R, 1903/004/0112/01 (Figured in: BARON-SZABO (2002: 57,

Pl. 42, Fig. 4) and BARON-SZABO (2014a: 38, Pl. 32, Fig. 1) sub *Columastrea striata* (GOLDFUSS, 1826)).

*Columnaera striata* (GOLDFUSS, 1826) – FELIX (1903: 320) – Turonian–Campanian, Gosau, Upper Austria, R (11), 1903/004/0112/02–06, 12–14, 17, 19–20.

*Columnaera striata* (GOLDFUSS, 1826) – FELIX (1903: 320) – Turonian–Campanian, Gosau Valley, Upper Austria, R (8), 1903/004/0112/07–11, 15–18.

*Columnaera striata* (GOLDFUSS, 1826) – FELIX (1903: 320) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (6), 1903/004/0112/21–26.

*Columnaera striata* (GOLDFUSS, 1826) – FELIX (1903: 320) – upper Santonian, Neffgraben, Gosau, Salzburg, R (3), 1903/004/0112/27–29.

*Columnaera striata* (GOLDFUSS, 1826), FELIX (1903: 320) – upper Santonian, ?Scharergraben, Markt Piesting, Lower Austria, R, 1903/004/0112/30.

*Columnaera striata* (GOLDFUSS, 1826) – FELIX (1903: 320) – Upper Cretaceous, Zeller See, Upper Austria, R (11), 1903/004/0112/31.

*Columnaera striata* (GOLDFUSS, 1826) – FELIX (1903: 320) – Santonian, Gams, Hieflau, Styria, R, 1903/004/0112/32.

*Columnaera striata* (GOLDFUSS, 1826) – REUSS (1854: 98) – Turonian–Campanian, Gosau, Upper Austria, R (12), 2012/092/0021–0022.

### *Confusaera (= Confusastrea)*

*Confusaera leptophylla* (REUSS, 1854) – FELIX (1903: 293) – Turonian–Campanian, Gosau Valley, Upper Austria, R (3), 1903/004/0093/01–03.

*Confusaera leptophylla* (REUSS, 1854) – FELIX (1903: 293) – upper Santonian, Neffgraben, Gosau, Salzburg, R (2), 1903/004/0093/04–05.

### *Corbariaera*

*Corbariaera weissenbachalmensis* BARON-SZABO, 1999 – BARON-SZABO (1999: 462) – upper Santonian–Campanian, Weissenbachalm, Styria, Hd (thin section), 1999/089/0025/01.

*Corbariaera weissenbachalmensis* BARON-SZABO, 1999 – BARON-SZABO (1999: 462, Pl. 8, Figs. 3–4) – upper Santonian, Weissenbachalm, Styria, Hd, 1999/089/0025/02 (Figured in: BARON-SZABO (2014a: 59, Pl. 65, Figs. 1, 2) sub *Corbariaera weissenbachalmensis* BARON-SZABO, 1999).

*Corbariaera weissenbachalmensis* BARON-SZABO, 1999 – BARON-SZABO (2014a: 59, Pl. 65, Figs. 1, 2) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0025/02 (Holotype by designation of *Corbariaera weissenbachalmensis* BARON-SZABO (1999: 462, Pl. 8, Figs. 3–4)).

### *Cunolites*

*Cunolites polymorphus* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 143, Pl. 22, Fig. 1) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0034/001

(Figured in: BARON-SZABO (2014a: 69, Pl. 75, Fig. 6) sub *Cunnilites polymorpha* (GOLDFUSS, 1826)).

*Cunnilites polymorphus* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 143, Pl. 22, Figs. 3, 6) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0034/002.

*Cunnilites polymorphus* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 143, Pl. 22, Figs. 5, 7) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0034/002.

*Cunnilites polymorphus* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 143, Pl. 22, Fig. 4) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0034/003.

*Cunnilites polymorphus* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 143, Pl. 24, Fig. 3) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0034/004.

*Cunnilites polymorphus* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 143, Pl. 24, Fig. 4) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0034/005.

*Cunnilites polymorphus* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 143, Pl. 24, Fig. 5) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0034/006.

*Cunnilites polymorphus* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 143, Pl. 24, Fig. 6) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0034/007.

*Cunnilites polymorphus* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 143, Pl. 24, Fig. 7) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0034/008.

*Cunnilites polymorphus* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 143) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R (159), 2003/023/0034/009, 17–176.

*Cunnilites polymorphus* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 143) – upper Santonian, Hochmoos Formation, Gosau, Finstergraben, Upper Austria, R (6), 2003/023/0034/010–15.

*Cunnilites polymorphus* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 143) – Santonian, Gosau, Grabenbach, Upper Austria, R, 2003/023/0034/016.

*Cunnilites polymorphus* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 143) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R (57), 2003/023/0034/177–234.

*Cunnilites polymorphus* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 143, Pl. 24, Fig. 1) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0034/235.

*Cunnilites polymorphus* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 143, Pl. 23, Figs. 2–3) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0034/236 (Figured in: BARON-SZABO (2014a: 69, Pl. 75, Fig. 7) sub *Cunnilites polymorpha* (GOLDFUSS, 1826)).

*Cunnilites polymorphus* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 143, Pl. 23, Fig. 1) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0034/237.

*Cunnilites polymorphus* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 143, Pl. 22, Fig. 2) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0034/238.

*Cunnilites polymorphus* (GOLDFUSS, 1826) – BARON-SZABO (2014a: 69, Pl. 75, Fig. 6) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0034/001 (Figured in: BARON-SZABO (2003a: 143, Pl. 22, Fig. 1) sub *Cunnilites polymorpha* (GOLDFUSS, 1826)).

*Cunnilites polymorphus* (GOLDFUSS, 1826) – BARON-SZABO (2014a: 69, Pl. 75, Fig. 7) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0034/236 (Figured in: BARON-SZABO (2003a: 143, Pl. 23, Figs. 2–3) sub *Cunnilites polymorpha* (GOLDFUSS, 1826)).

## *Cyathoseris*

*Cyathoseris haidingeri* REUSS, 1854 – FELIX (1903: 226) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0047/01.

*Cyathoseris haidingeri* REUSS, 1854 – FELIX (1903: 226) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R (4), 1903/004/0047/02–05.

*Cyathoseris haidingeri* REUSS, 1854 – FELIX (1903: 226) – Upper Cretaceous, Zeller See, Upper Austria, R (3), 1903/004/0047/06–08.

*Cyathoseris haidingeri* REUSS, 1854 – REUSS (1854: 126) – Turonian–Campanian, Gosau, Upper Austria, S (2), 2012/092/0031.

*Cyathoseris raristella* REUSS, 1854 – REUSS (1854: 127, Pl. 20, Fig. 9) – Turonian–Campanian, Gosau, Upper Austria, Hm, 1854/007/0118 (Figured in: BEAUVAIS (1982, part 2: 66, Pl. 28, Fig. 2), BARON-SZABO (2002: 132, Pl. 93, Fig. 2) and BARON-SZABO (2014a: 63, Pl. 70, Fig. 6) sub *Astraeofungia raristella* (REUSS, 1854)).

## *Cyclolites*

*Cyclolites discoidea* (GOLDFUSS, 1826) – FELIX (1903: 190) – Turonian–Campanian, Gosau Valley, Upper Austria, R (5), 1903/004/0011/01–05.

*Cyclolites discoidea* (GOLDFUSS, 1826) – FELIX (1903: 190) – Coniacian–Santonian, Hohe Traunwand, Rußbach am Paß Gschütt, Salzburg, ?R, 1903/004/0011/06.

*Cyclolites discoidea* (GOLDFUSS, 1826) – REUSS (1854: 124) – Turonian–Campanian, Gosau, Upper Austria, R (10), 2012/092/0032.

*Cyclolites elliptica* LAMARCK, 1801 – FELIX (1903: 188) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0007/01.

*Cyclolites elliptica* LAMARCK, 1801 – FELIX (1903: 188) – Coniacian–Santonian, Hohe Traunwand, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0007/02.

*Cyclolites elliptica* LAMARCK, 1801 – FELIX (1903: 188) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0007/03.

*Cyclolites elliptica* LAMARCK, 1801 – REUSS (1854: 123) – Turonian–Campanian, Gosau Valley, Upper Austria, R (12), 2012/092/0036–0043.

*Cyclolites excelsa* DE FROMENTEL, 1863 – FELIX (1903: 198) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0021.

*Cyclolites hemisphaerica* MICHELIN, 1847 – FELIX (1903: 192) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0013/01.

*Cyclolites hemisphaerica* MICHELIN, 1847 – REUSS (1854: 124) – Turonian–Campanian, Gosau Valley, Upper Austria, R (2), 2012/092/0044–0045.

*Cyclolites macrostoma* REUSS, 1854 – FELIX (1903: 189) – Turonian–Campanian, Gosau Valley, Upper Austria, R (3), 1903/004/0008/01–03.

*Cyclolites macrostoma* REUSS, 1854 – FELIX (1903: 189) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0008/04.

*Cyclolites macrostoma* REUSS, 1854 – REUSS (1854: 122) – Turonian–Campanian, Gosau Valley, Upper Austria, S (7), 2012/092/0047–0049.

*Cyclolites macrostoma* REUSS, 1854 – REUSS (1854: 122) – upper Santonian, Neffgraben, Gosau, Salzburg, S (7), 2012/096/0015–0017.

*Cyclolites macrostoma* REUSS, 1854 – REUSS (1854: 122) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, S (2), 2012/097/0001.

*Cyclolites nummulus* REUSS, 1854 – FELIX (1903: 197) – Turonian–Campanian, Gosau Valley, Upper Austria, R (4), 1903/004/0019/01–04.

*Cyclolites nummulus* REUSS, 1854 – FELIX (1903: 197) – Coniacian–Santonian, Hohe Traunwand, Rußbach am Paß Gschütt, Salzburg, R (2), 1903/004/0019/05–06.

*Cyclolites nummulus* REUSS, 1854 – FELIX (1903: 197) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R (3), 1903/004/0019/07–09.

*Cyclolites orbigny* DE FROMENTEL, 1864 – FELIX (1903: 189, Pl. 17, Fig. 2) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, F, 1903/004/0009.

*Cyclolites placenta* REUSS, 1854 – REUSS (1854: 125) – Turonian–Campanian, Gosau Valley, Upper Austria, S (4), 2012/092/0052–0053.

*Cyclolites scutellum* REUSS, 1854 – FELIX (1903: 192) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0012/01–02.

*Cyclolites scutellum* REUSS, 1854 – FELIX (1903: 192) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0012/03.

*Cyclolites scutellum* REUSS, 1854 – REUSS (1854: 125) – Turonian–Campanian, Gosau, Upper Austria, S (3), 1854/007/0114.

*Cyclolites* cf. *scutellum* REUSS, 1854 – FELIX (1903: 192) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R, 1903/004/0012/04.

*Cyclolites undulata* (GOLDFUSS, 1826) – FELIX (1903: 194) – Turonian–Campanian, Gosau Valley, Upper Austria, R (7), 1903/004/0015/01–07.

*Cyclolites undulata* (GOLDFUSS, 1826) – FELIX (1903: 194) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (3), 1903/004/0015/08–10.

*Cyclolites undulata* (GOLDFUSS, 1826) – FELIX (1903: 194) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0015/09–10.

*Cyclolites undulata* (GOLDFUSS, 1826) – FELIX (1903: 194) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R (14), 1903/004/0015/11.

*Cyclolites undulata* var. *reussi* DE FROMENTEL, 1863 – FELIX (1903: 195) – Turonian–Campanian, Gosau Valley, Upper Austria, R (2), 1903/004/0016/01–02.

*Cyclolites undulata* var. *reussi* DE FROMENTEL, 1863 – FELIX (1903: 195) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0016/03.

*Cyclolites undulata* var. *reussi* DE FROMENTEL, 1863 – FELIX (1903: 195) – Coniacian–Santonian, Hohe Traunwand, Rußbach am Paß Gschütt, Salzburg, R (3), 1903/004/0016/04–06.

*Cyclolites undulata* var. *reussi* DE FROMENTEL, 1863 – FELIX (1903: 195) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R, 1903/004/0016/07.

*Cyclolites undulata* var. *robusta* FELIX, 1903 – FELIX (1903: 196, Pl. 17, Fig. 4) – Turonian–Campanian, Gosau, Upper Austria, S, 1903/004/0017.

## *Cycloria*

*Cycloria salisburgensis* (MILNE EDWARDS & HAIME, 1849) – BARON-SZABO (2014a: 23, Pl. 7, Fig. 10) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0021/02 (Reference material in: BARON-SZABO (2003a: 133, Pl. 8, Figs. 1–2, 7) sub *Orbignygyra tenella* (GOLDFUSS, 1826)).

*Cycloria tenella* (GOLDFUSS, 1826) – BARON-SZABO (2014a: 23, Pl. 6, Fig. 4) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0009/02 (Figured in: BARON-SZABO (2003a: 123, Pl. 8, Fig. 3) sub *Dictuophyllia radiata* (MICHELIN, 1847)).

## *Dasmiopsis*

*Dasmiopsis lamellicostatus* (REUSS, 1854) – BARON-SZABO (2003b: 141–146, Pl. 1, Figs. 1, 4) – Coniacian–Santonian, Hofergraben, Gosau, Upper Austria, F, 2003/024/0001 (Figured in: BARON-SZABO (2014a: 40, Pl. 39, Figs. 1–2) sub *Dasmiopsis lamellicostatus* (REUSS, 1854)).

*Dasmiopsis lamellicostatus* (REUSS, 1854) – BARON-SZABO (2003b: 141–147) – Coniacian–Santonian, Hofergraben, Gosau, Upper Austria, R, 2003/024/0002.

*Dasmiopsis lamellicostatus* (REUSS, 1854) – BARON-SZABO (2003b: 141–148, Pl. 1, Figs. 2–3) – Coniacian–Santonian, Hofergraben, Gosau, Upper Austria, F, 2003/024/0003 (Figured in: BARON-SZABO (2014a: 40, Pl. 39, Figs. 3–4) sub *Dasmiopsis lamellicostatus* (REUSS, 1854)).

*Dasmiopsis lamellicostatus* (REUSS, 1854) – BARON-SZABO (2003b: 141–149) – Coniacian–Santonian, Hofergraben, Gosau, Upper Austria, R, 2003/024/0004.

*Dasmiopsis lamellicostatus* (REUSS, 1854) – BARON-SZABO (2014a: 40, Pl. 39, Figs. 1–2) – Coniacian–Santonian, Hofergraben, Gosau, Upper Austria, F, 2003/024/0001 (Figured in: BARON-SZABO (2003b: 141–146, Pl. 1, Figs. 1, 4) sub *Dasmiopsis lamellicostatus* (REUSS, 1854)).

*Dasmiopsis lamellicostatus* (REUSS, 1854) – BARON-SZABO (2014a: 40, Pl. 39, Figs. 3–4) – Coniacian–Santonian, Hofergraben, Gosau, Upper Austria, F, 2003/024/0003 (Figured in: BARON-SZABO (2003b: 141–146, Pl. 1, Figs. 2–3) sub *Dasmiopsis lamellicostatus* (REUSS, 1854)).

### *Dendrogyra*

*Dendrogyra salisburgensis* (MILNE EDWARDS & HAIME, 1849) – FELIX (1903: 306, Pl. 22, Fig. 14) – Turonian–Campanian, Gosau, Upper Austria, F, 1903/004/0101/01 (Reference material in: REUSS (1854: 109) sub *Maeandrina salisburgensis* (MILNE EDWARDS & HAIME, 1849) and figured in: BEAUVAIS (1982, part 1: 204, Pl. 60, Fig. 3) sub *Orbignygyra salisburgensis* (MILNE EDWARDS & HAIME, 1849)).

*Dendrogyra salisburgensis* (MILNE EDWARDS & HAIME, 1849) – FELIX (1903: 306) – Turonian–Campanian, Gosau, Upper Austria, R (3), 1903/004/0101/02–04.

*Dendrogyra salisburgensis* (MILNE EDWARDS & HAIME, 1849) – FELIX (1903: 306) – Turonian–Campanian (?Santonian), Gosau, ?Randograben, Upper Austria, R, 1903/004/0101/05 (Reference material in: REUSS (1854: 109) sub *Maeandrina salisburgensis* (MILNE EDWARDS & HAIME, 1849)).

*Dendrogyra salisburgensis* (MILNE EDWARDS & HAIME, 1849) – FELIX (1903: 306) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (7), 1903/004/0101/06–07.

*Dendrogyra salisburgensis* (MILNE EDWARDS & HAIME, 1849) – FELIX (1903: 306) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0101/08.

### *Dendrosmilia*

*Dendrosmilia crassa* (REUSS, 1854) – FELIX (1903: 282) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R (2), 1903/004/0085/01, 03.

*Dendrosmilia crassa* (REUSS, 1854) – FELIX (1903: 282) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0085/02.

*Dendrosmilia crassa* (REUSS, 1854) – FELIX (1903: 282), Upper Cretaceous, Zeller See, Upper Austria, R (3), 1903/004/0085/04–06.

### *Dictuophyllia*

*Dictuophyllia radiata* (MICHELIN, 1847) – BARON-SZABO (2003a: 123) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R, 2003/023/0009/01.

*Dictuophyllia radiata* (MICHELIN, 1847) – BARON-SZABO (2003a: 123, Pl. 8, Fig. 3) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0009/02 (Figured in: BARON-SZABO (2014a: 23, Pl. 6, Fig. 4) sub *Cycloria tenella* (GOLDFUSS, 1826)).

*Dictuophyllia radiata* (MICHELIN, 1847) – BARON-SZABO (2003a: 123) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R (2), 2003/023/0009/03–04.

### *Dimorphastraea* (= *Dimorphastrea*)

*Dimorphastraea glomerata* REUSS, 1854 – FELIX (1903: 213) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0033/01 (Figured in: BARON-SZABO (2014a: 69, Pl. 76, Fig. 6) sub *Aspidastraea waehneri* (FELIX, 1903)).

*Dimorphastraea glomerata* REUSS, 1854 – FELIX (1903: 213) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0033/02.

*Dimorphastraea glomerata* REUSS, 1854 – FELIX (1903: 213) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0033/03.

*Dimorphastraea haueri* REUSS, 1854 – FELIX (1903: 215) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (5), 1903/004/0034/01.

*Dimorphastraea haueri* REUSS, 1854 – FELIX (1903: 215) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R (4), 1903/004/0034/02–05.

*Dimorphastrea scutellum* [sic!] OPPENHEIM, 1930 – BARON-SZABO (2003a: 141) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R, 2003/023/0031/01.

*Dimorphastrea scutellum* [sic!] OPPENHEIM, 1930 – BARON-SZABO (2003a: 141, Pl. 8, Figs. 4, 6) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0031/02.

*Dimorphastraea sulcosa* REUSS, 1854 – FELIX (1903: 211) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0031/01.

*Dimorphastraea sulcosa* REUSS, 1854 – FELIX (1903: 211) – Turonian–Campanian, Gosau, Upper Austria, R (4), 1903/004/0031/02–05.

*Dimorphastraea sulcosa* REUSS, 1854 – FELIX (1903: 211) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (3), 1903/004/0031/06–08.

*Dimorphastraea sulcosa* REUSS, 1854 – FELIX (1903: 211) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R, 1903/004/0031/09.

*Dimorphastraea sulcosa* var. *minor* FELIX, 1903 – FELIX (1903: 212) – Turonian–Campanian, Gosau Valley (?Neffgraben, see FELIX (1903: 213)), Upper Austria, S, 1903/004/0032 (Paralectotype in: BARON-SZABO (2014a: 61, Text-Fig. 16) sub *Astraeofungia minor* (FELIX, 1903); see also BEAUVAIS (1982, part 2: 69) sub *Astraeofungia felixi* BEAUVAIS, 1982).

### *Dimorphomeandra*

*Dimorphomeandra exigua* (REUSS, 1854) – BEAUVAIS (1982, part 2: 55, Pl. 26, Fig. 1) – Coniacian, Hornegg or Santonian, Randograben, Gosau, Upper Austria, F, 1854/007/0099 (Syntype of *Thamnastraea exigua* REUSS (1854: 119, Pl. 18, Figs. 5–6) and figured in: BARON-SZABO (2014a: 70, Pl. 77, Figs. 6–7) sub *Fungiastraea exigua* (REUSS, 1854)).

## *Diploctenium*

*Diploctenium conjungens* REUSS, 1854 – FELIX (1903: 350) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0128/01.

*Diploctenium conjungens* REUSS, 1854 – FELIX (1903: 350) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0128/02.

*Diploctenium ferrumequinum* REUSS, 1854 – FELIX (1903: 351) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0129.

*Diploctenium ferrumequinum* REUSS, 1854 – BARON-SZABO (2003a: 130) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R (4), 2003/023/0016/01, 03–05.

*Diploctenium ferrumequinum* REUSS, 1854 – BARON-SZABO (2003a: 130, Pl. 16, Figs. 1–8) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0016/02 (Figured in: BARON-SZABO (2014a: 42, Pl. 40, Figs. 1–4) sub *Diploctenium ferrumequinum* REUSS, 1854).

*Diploctenium ferrumequinum* REUSS, 1854 – BARON-SZABO (2003a: 130) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R (3), 2003/023/0016/06–08.

*Diploctenium ferrumequinum* REUSS, 1854 – BARON-SZABO (2003a: 130) – Santonian, Gosau, Grabenbach, Upper Austria, R, 2003/023/0016/09.

*Diploctenium ferrumequinum* REUSS, 1854 – BARON-SZABO (2014a: 42, Pl. 40, Figs. 1–4) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0016/02 (Figured in: BARON-SZABO (2003a: 130, Pl. 16, Figs. 1–8) sub *Diploctenium ferrumequinum* REUSS, 1854).

*Diploctenium ferrumequinum* REUSS, 1854 – REUSS (1854: 89) – Turonian–Campanian, Gosau, Upper Austria, S, 2012/092/0079.

*Diploctenium lunatum* (BRUGUIÈRE, 1792) – FELIX (1903: 347) – Turonian–Campanian, Gosau, Upper Austria, R (2), 1903/004/0125/01, 04.

*Diploctenium lunatum* (BRUGUIÈRE, 1792) – FELIX (1903: 347) – Turonian–Campanian, Gosau Valley, Upper Austria, R (2), 1903/004/0125/02–03.

*Diploctenium lunatum* (BRUGUIÈRE, 1792) – FELIX (1903: 347) – upper Santonian, Traunwandalm, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0125/05.

*Diploctenium* sp. – BARON-SZABO (1999: 451) – upper Turonian, Weissenbachalm, Styria, R, 1999/089/0009/02.

*Diploctenium* sp. – BARON-SZABO (1999: 451, Pl. 6, Fig. 1) – upper Turonian, Weissenbachalm, Styria, F, 1999/089/0009/02 (Figured in: BARON-SZABO (2014a: 42, Pl. 40, Fig. 5 sub *Diploctenium* sp.)).

*Diploctenium*, sp. – BARON-SZABO (1999: 451) – upper Turonian, Weissenbachalm, Styria, R (4), 1999/089/0012/01–04.

*Diploctenium*, sp. – BARON-SZABO (2014a: 42, Pl. 40, Fig. 5) – upper Turonian, Weissenbachalm, Styria, F, 1999/089/0009/02 (Figured in: BARON-SZABO (1999: 451, Pl. 6, Fig. 1) sub *Diploctenium* sp.).

## *Diploria*

*Diploria crassolamellosa* MILNE EDWARDS & HAIME, 1849 – FELIX (1903: 275, Text-Fig. 37) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0081/01.

*Diploria crassolamellosa* MILNE EDWARDS & HAIME, 1849 – FELIX (1903: 275) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0081/02.

## *Elasmocoenia*

*Elasmocoenia kittliana* FELIX, 1903 – FELIX (1903: 301, Text-Fig. 52) – upper Santonian, Neffgraben, Gosau, Salzburg, S, 1903/004/0098 (Figured in: BARON-SZABO (2014a: 28, Pl. 15, Figs. 2, 4, 8) sub *Neocoenia* (*Placocaeniopsis*) *kittliana* (FELIX, 1903)).

## *Elasmogyra*

*Elasmogyra crucifera* (FELIX, 1903) – BEAUVAIS (1982, part 2: 119, Pl. 60, Fig. 4) – Turonian–Campanian, Gosau, Upper Austria, L, 1903/004/0099/01 (Syntype of *Aplosmilia crucifera* FELIX (1903: 302, Pl. 23, Figs. 8, 8a) and figured in: BARON-SZABO (2014a: 47, Pl. 49, Figs. 5–6) sub *Rhabdopsammia crucifera* (FELIX, 1903)).

*Elasmogyra crucifera* (FELIX, 1903) – BEAUVAIS (1982, part 2: 119, Pl. 60, Fig. 5) – Turonian–Campanian, Gosau, Upper Austria, PL, 1903/004/0099/02 (Syntype of *Aplosmilia crucifera* FELIX (1903: 302, Pl. 23, Fig. 9) and figured in: BARON-SZABO (2014a: 47, Pl. 49, Figs. 1–2) sub *Rhabdopsammia crucifera* (FELIX, 1903)).

*Elasmogyra crucifera* (FELIX, 1903) – BEAUVAIS (1982, part 2: 119, Pl. 60, Fig. 6) – Turonian–Campanian, Gosau, Upper Austria, PL, 1903/004/0099/03 (Syntype of *Aplosmilia crucifera* FELIX (1903: 302, Pl. 23, Figs. 10, 10a) and figured in: BARON-SZABO (2014a: 47, Pl. 49, Figs. 3–4) sub *Rhabdopsammia crucifera* (FELIX, 1903)).

## *Elasmophyllia*

*Elasmophyllia deformis* (REUSS, 1854) – BARON-SZABO (2002: 53, Pl. 33, Fig. 3) – Turonian–Campanian, Gosau, Upper Austria, F, 1903/004/0060/10.

*Elasmophyllia deformis* (REUSS, 1854) – FELIX (1903: 244) – Turonian–Campanian, Gosau, Upper Austria, R (3), 1903/004/0060/01–02, 09.

*Elasmophyllia deformis* (REUSS, 1854) – FELIX (1903: 244) – Turonian–Campanian, ?Gosau, Upper Austria, R, 1903/004/0060/03.

*Elasmophyllia deformis* (REUSS, 1854) – FELIX (1903: 244) – Turonian–Campanian, Gosau Valley, Upper Austria, R (5), 1903/004/0060/04–08.

*Elasmophyllia deformis* (REUSS, 1854) – FELIX (1903: 244) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0060/10.

## **Elephantaria**

*Elephantaria lindstroemi* OPPENHEIM, 1930 – BARON-SZABO (1999: 457, Pl. 6, Fig. 4) – upper Turonian, Weissenbachalm, Styria, F, 1999/089/0019/02 (Figured in: BARON-SZABO (2014a: 53, Pl. 58, Figs. 1, 2) sub *Bosnopsammia lindstroemi* (OPPENHEIM, 1930)).

*Elephantaria lindstroemi* OPPENHEIM, 1930 – SZENTE et al. (2010: 140, Pl. 3, Fig. 7) – Turonian–?Coniacian, St. Gilgen, “Station Billroth”, Salzburg, F, 2013/007/0006.

## **Epiphaxum**

*Epiphaxum vermiculata* (FELIX, 1903) – BEAUVAIS (1982, part 3: 28, Pl. 61, Fig. 3) – Turonian–Campanian, Gosau, Upper Austria, F, 1903/004/0136/01 (Syntype in: FELIX (1903: 358, Pl. 22, Fig. 9) sub *Aulopsammia vermiculata* FELIX, 1903).

*Epiphaxum vermiculata* (FELIX, 1903) – BEAUVAIS (1982, part 3: 28, Pl. 61, Fig. 4) – Turonian–Campanian, Gosau, Upper Austria, F, 1903/004/0136/02 (Syntype in: FELIX (1903: 359, Text-Fig. 67) sub *Aulopsammia vermiculata* FELIX, 1903).

## **Flabellosmilia**

*Flabellosmilia bisinuatum* REUSS, 1854 – BARON-SZABO (2002: 69, Pl. 49, Figs. 2, 4) – upper Santonian, Brunstloch, Gosau, Upper Austria, F, 1854/007/0005 (Syntype of *Flabellum subcarinatum* REUSS (1854: 81, Pl. 20, Figs. 5–6) and figured in: BARON-SZABO (2014a: 43, Pl. 42, Figs. 9–10) sub *Flabellosmilia subcarinatum* (REUSS, 1854)).

*Flabellosmilia bisinuatum* (REUSS, 1854) – BARON-SZABO (2002: 69, Pl. 49, Fig. 5) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0017/02 (Reference material in: BARON-SZABO (2003a: 131) and figured in: BARON-SZABO (2014a: 43, Pl. 41, Figs. 6–7) sub *Flabellosmilia bisinuatum* (REUSS, 1854)).

*Flabellosmilia bisinuatum* (REUSS, 1854) – BARON-SZABO (2003a: 131, Pl. 17, Figs. 1, 3–5) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0017/01 (Figured in: BARON-SZABO (2014a: 43, Pl. 42, Figs. 1–3) sub *Flabellosmilia bisinuatum* (REUSS, 1854)).

*Flabellosmilia bisinuatum* (REUSS, 1854) – BARON-SZABO (2003a: 131) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R, 2003/023/0017/02 (Figured in: BARON-SZABO (2014a: 43, Pl. 41, Figs. 6–7) sub *Flabellosmilia bisinuatum* (REUSS, 1854)).

*Flabellosmilia bisinuatum* (REUSS, 1854) – BARON-SZABO (2003a: 131) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R (15), 2003/023/0017/03–10, 12–17, 19.

*Flabellosmilia bisinuatum* (REUSS, 1854) – BARON-SZABO (2003a: 131, Pl. 17, Fig. 6, Pl. 18, Figs. 7–8) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0017/11.

*Flabellosmilia bisinuatum* (REUSS, 1854) – BARON-SZABO (2003a: 131, Pl. 18, Figs. 1–3, 5–6) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0017/18.

*Flabellosmilia bisinuatum* (REUSS, 1854) – BARON-SZABO (2003a: 131) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R (5), 2003/023/0017/20–24.

*Flabellosmilia bisinuatum* (REUSS, 1854) – BARON-SZABO (2003a: 131, Pl. 17, Fig. 2) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0017/25.

*Flabellosmilia bisinuatum* (REUSS, 1854) – BARON-SZABO (2014a: 43, Pl. 42, Figs. 1–3) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0017/01 (Figured in: BARON-SZABO (2003a: 131, Pl. 17, Figs. 1, 3–5) sub *Flabellosmilia bisinuatum* (REUSS, 1854)).

*Flabellosmilia bisinuatum* (REUSS, 1854) – BARON-SZABO (2014a: 43, Pl. 41, Figs. 6, 7) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0017/02 (Reference material in: BARON-SZABO (2003a: 131) sub *Flabellosmilia bisinuatum* (REUSS, 1854)).

*Flabellosmilia subcarinatum* (REUSS, 1854) – BARON-SZABO (2014a: 43, Pl. 42, Figs. 9–10) – upper Santonian, Brunstloch, Gosau, Upper Austria, F, 1854/007/0005 (Syntype of *Flabellum subcarinatum* REUSS (1854: 81, Pl. 20, Figs. 5–6) and figured in: BARON-SZABO (2002: 69, Pl. 49, Figs. 2, 4) sub *Flabellosmilia bisinuatum* (REUSS, 1854)).

## **Flabellum**

*Flabellum bisinuatum* REUSS, 1854 – FELIX (1903: 352) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0130/01.

*Flabellum bisinuatum* REUSS, 1854 – FELIX (1903: 352) – upper Santonian, Brunstloch, Gosau, Upper Austria, R, 1903/004/0130/02.

*Flabellum subcarinatum* REUSS, 1854 – FELIX (1903: 353) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0131.

*Flabellum subcarinatum* REUSS, 1854 – REUSS (1854: 81, Pl. 20, Figs. 5–6) – upper Santonian, Brunstloch, Gosau, Upper Austria, S, 1854/007/0005 (Figured in: BARON-SZABO (2002: 69, Pl. 49, Figs. 2, 4) sub *Flabellosmilia bisinuatum* (REUSS, 1854) and BARON-SZABO (2014a: 43, Pl. 42, Figs. 9–10) sub *Flabellosmilia subcarinatum* (REUSS, 1854)).

## **Fungiastraea**

*Fungiastraea acutidens* (REUSS, 1854) – BARON-SZABO (2014a: 70, Pl. 77, Figs. 1–2) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, F, 1982/020/0001 (Neotype of *Fungiastraea acutidens* (REUSS, 1854) in: BEAUVAIS (1982, part 2: 74, Pl. 27, Fig. 4)).

*Fungiastraea acutidens* (REUSS, 1854) – BEAUVAIS (1982, part 2: 74, Pl. 27, Fig. 4) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, N, 1, 1982/020/0001 (Figured in: BARON-SZABO (2014a: 70, Pl. 77, Figs. 1–2) sub *Fungiastraea acutidens* (REUSS, 1854)).

*Fungiastraea exigua* (REUSS, 1854) – BARON-SZABO (1999: 461) – upper Turonian, Weissenbachalm, Styria, R (2), 1999/089/0023/01, 03.

*Fungiastraea exigua* (REUSS, 1854) – BARON-SZABO (1999: 461, Pl. 2, Fig. 2, Pl. 7, Fig. 5) – upper Turonian, Weissenbachalm, Styria, F, 1999/089/0023/02.

*Fungiastraea exigua* (REUSS, 1854) – BARON-SZABO (1999: 461), upper Turonian, Weissenbachalm, Styria, R, 1999/089/0023/03.

*Fungiastraea exigua* (REUSS, 1854) – BARON-SZABO (2003a: 140, Pl. 20, Figs. 4, 6) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0030/01 (Figured in: BARON-SZABO (2014a: 70, Pl. 77, Fig. 5) sub *Fungiastraea exigua* (REUSS, 1854)).

*Fungiastraea exigua* (REUSS, 1854) – BARON-SZABO (2003a: 140) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R (4), 2003/023/0030/02–05.

*Fungiastraea exigua* (REUSS, 1854) – BARON-SZABO (2014a: 70, Pl. 77, Figs. 6–7) – Coniacian, Hornegg or Santonian, Randograben, Gosau, Upper Austria, F, 1854/007/0099 (Syntype of *Thamnastraea exigua* REUSS (1854: 119, Pl. 18, Figs. 5–6) and figured in: BEAUVAIS (1982, part 2: 55, Pl. 26, Fig. 1) sub *Dimorphomeandra exigua* (REUSS, 1854)).

*Fungiastraea exigua* (REUSS, 1854) – BARON-SZABO (2014a: 70, Pl. 77, Fig. 5) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0030/01 (Figured in: BARON-SZABO (2003a: 140, Pl. 20, Figs. 4, 6) sub *Fungiastraea exigua* (REUSS, 1854)).

### **Gyroseris**

*Gyroseris patellaris* REUSS, 1854 – BARON-SZABO (2002: 47, Pl. 33, Fig. 6), Turonian–Campanian, Gosau Valley, Upper Austria, F, 1903/004/0046/02 (Syntype of *Gyroseris patellaris* REUSS (1854: 126), reference material in: FELIX (1903: 226) and figured in: BARON-SZABO (2014a: 32, Pl. 22, Fig. 6) sub *Gyroseris patellaris* REUSS, 1854).

*Gyroseris patellaris* REUSS, 1854 – BARON-SZABO (2014a: 32) – Turonian–Campanian, Gosau Valley, Upper Austria, F, 1903/004/0046/01 (Syntype of *Gyroseris patellaris* REUSS (1854: 126) and reference material in: FELIX (1903: 226) sub *Gyroseris patellaris* REUSS, 1854).

*Gyroseris patellaris* REUSS 1854 – BARON-SZABO (2014a: 32) – Turonian–Campanian, Gosau Valley, Upper Austria, F, 1903/004/0046/02 (Syntype of *Gyroseris patellaris* REUSS (1854: 126), reference material in: FELIX (1903: 226) sub *Gyroseris patellaris* REUSS (1854) and figured in: BARON-SZABO (2002: 47, Pl. 33, Fig. 6)).

*Gyroseris patellaris* REUSS, 1854 – FELIX (1903: 226) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0046/01 (Syntype of *Gyroseris patellaris* REUSS (1854: 126) and figured in: BARON-SZABO (2014a: 32, Pl. 22, Fig. 5) sub *Gyroseris patellaris* REUSS, 1854).

*Gyroseris patellaris* REUSS, 1854 – FELIX (1903: 226) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0046/02 (Syntype of *Gyroseris patellaris* REUSS (1854: 126) and figured in: BARON-SZABO (2002: 47, Pl. 33, Fig. 6) and BARON-SZABO (2014a: 32, Pl. 22, Fig. 6) sub *Gyroseris patellaris* REUSS, 1854).

*Gyroseris patellaris* REUSS, 1854 – FELIX (1903: 226) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0046/03.

*Gyroseris patellaris* REUSS, 1854 – REUSS (1854: 126) – Turonian–Campanian, Gosau Valley, Upper Austria, S, 1903/004/0046/01 (Reference material in: FELIX (1903: 226) and figured in: BARON-SZABO (2014a: 32, Pl. 22, Fig. 5) sub *Gyroseris patellaris* REUSS, 1854).

*Gyroseris patellaris* REUSS, 1854 – REUSS (1854: 126) – Turonian–Campanian, Gosau Valley, Upper Austria, S, 1903/004/0046/02 (Reference material in: FELIX (1903: 226), figured in: BARON-SZABO (2002: 47, Pl. 33, Fig. 6) and BARON-SZABO (2014a: 32, Pl. 22, Fig. 5) sub *Gyroseris patellaris* REUSS, 1854).

### **Gyrosmitia**

*Gyrosmitia edwardsi* REUSS, 1854 – REUSS (1854: 92, Pl. 4, Figs. 1–3) – Turonian–Campanian, Gosau, Upper Austria, Hm, 1854/007/0030 (Figured in: BEAUVAIS (1982, part 1: 78, Pl. 5, Fig. 2), BARON-SZABO (2002: 40, Pl. 23, Fig. 1) and BARON-SZABO (2014a: 29, Pl. 16, Figs. 1–2) sub *Astrogyra edwardsi* (REUSS, 1854)).

### **Heliopora**

*Heliopora partschi* (REUSS, 1854) – FELIX (1903: 355) – Turonian–Campanian, Gosau Valley, Upper Austria, R (4), 1903/004/0132/01–03, 05.

*Heliopora partschi* (REUSS, 1854) – FELIX (1903: 355) – Turonian–Campanian, Gosau, Upper Austria, R (2), 1903/004/0132/04, 06.

*Heliopora partschi* (REUSS, 1854) – FELIX (1903: 355) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (4), 1903/004/0132/07–10.

*Heliopora partschi* (REUSS, 1854) – FELIX (1903: 355) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0132/11.

*Heliopora partschi* (REUSS, 1854) – FELIX (1903: 355) – Coniacian–Santonian, Hohe Traunwand, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0132/12.

*Heliopora partschi* (REUSS, 1854) – FELIX (1903: 355) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R, 1903/004/0132/13.

### **Heterocoenia**

*Heterocoenia dendroides* REUSS, 1854 – FELIX (1903: 236) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0053/02.

*Heterocoenia dendroides* REUSS, 1854 – FELIX (1903: 236) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0053/03.

*Heterocoenia dendroides* REUSS, 1854 – FELIX (1903: 236) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0053/04.

*Heterocoenia erecta* FELIX, 1903 – BEAUVAIS (1982, part 3: 14) – upper Santonian, Scharrergraben, Markt Piesting, Lower



- Austria, R, 1903/004/0052 (Syntype of *Heterocoenia erecta* FELIX (1903: 235, Pl. 19, Figs. 13, 13a)).
- Heterocoenia erecta* FELIX, 1903 – FELIX (1903: 235, Pl. 19, Figs. 13, 13a) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, S, 1903/004/0052 (Reference material in: BEAUVAIS (1982, part 3: 14) sub *Heterocoenia erecta* FELIX, 1903).
- Heterocoenia fuchsi*, FELIX, 1903 – FELIX (1903: 231) – upper Santonian, Neffgraben, Gosau, Salzburg, S, 1903/004/0049.
- Heterocoenia exigua* (MICHELIN, 1847) – BARON-SZABO (2003a: 133) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R (2), 2003/023/0020/01, 03.
- Heterocoenia exigua* (MICHELIN, 1847) – BARON-SZABO (2003a: 133, Pl. 9, Fig. 6) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0020/02 (Figured in: BARON-SZABO (2014a: 83, Pl. 87, Fig. 2) sub *Heterocoenia exigua* (MICHELIN, 1847)).
- Heterocoenia exigua* (MICHELIN, 1847) – BARON-SZABO (2014a: 83, Pl. 87, Fig. 2) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0020/02 (Figured in: BARON-SZABO (2003a: 133, Pl. 9, Fig. 6) sub *Heterocoenia exigua* (MICHELIN, 1847)).
- Heterocoenia grandis* REUSS, 1854 – BARON-SZABO (2003a: 132, Pl. 9, Fig. 2) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0019/01.
- Heterocoenia grandis* REUSS, 1854 – FELIX (1903: 229, Pl. 19, Fig. 7) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, F, 1903/004/0048 (Figured in: BARON-SZABO (2014a: 84, Pl. 87, Fig. 3) sub *Baryhelia grandis* (REUSS, 1854)).
- Heterocoenia grandis* REUSS, 1854 – REUSS (1854: 100, Pl. 10, Figs. 1–2) – Santonian, Gosau, Upper Austria, S, 1854/007/0037 (Figured in: BARON-SZABO (2014a: 84, Pl. 88, Figs. 1–2) sub *Baryhelia grandis* (REUSS, 1854)).
- Heterocoenia provincialis* (MICHELIN, 1841) – REUSS (1854: 100) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0051/01 (Reference material in: FELIX (1903: 235) sub *Heterocoenia reussi* MILNE EDWARDS, 1857 and figured in: BARON-SZABO (2014a: 84, Pl. 86, Fig. 11) sub *Heterocoenia reussi* MILNE EDWARDS, 1857).
- Heterocoenia reussi* MILNE EDWARDS, 1857 – BARON-SZABO (2014a: 84, Pl. 86, Fig. 11) – Turonian–Campanian, Gosau, Upper Austria, F, 1903/004/0051/01 (Reference material in: REUSS (1854: 100) sub *Heterocoenia provincialis* (MICHELIN, 1841) and in: FELIX (1903: 235) sub *Heterocoenia reussi* MILNE EDWARDS, 1857).
- Heterocoenia reussi* MILNE EDWARDS, 1857 – FELIX (1903: 235) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0051/01 (Reference material in: REUSS (1854: 100) sub *Heterocoenia provincialis* (MICHELIN, 1841) and figured in: BARON-SZABO (2014a: 84, Pl. 86, Fig. 11) sub *Heterocoenia reussi* MILNE EDWARDS, 1857).
- Heterocoenia stachei* FELIX, 1903 – FELIX (1903: 231, Pl. 19, Figs. 2, 2a) – Turonian–Campanian, Gosau, Upper Austria, S, 1903/004/0050/01 (Despite a label with original handwriting of Marcel Beauvais very probably not the lectotype of *Baryhelia stachei* (FELIX, 1903) in: BEAUVAIS (1982, part 3: 19)).
- Heterocoenia stachei* FELIX, 1903 – FELIX (1903: 231) – Turonian–Campanian, Gosau Valley, Upper Austria, S, 1903/004/0050/02 (Through lectotype designation paralectotype in: BEAUVAIS (1982, part 3: 19) and figured in: BARON-SZABO (2014a: 84, Pl. 88, Figs. 3–6) sub *Baryhelia stachei* (FELIX, 1903)).
- Heterocoenia stachei* FELIX, 1903 – FELIX (1903: 231) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, S, 1903/004/0050/03 (Through lectotype designation paralectotype in: BEAUVAIS (1982, part 3: 19) sub *Baryhelia stachei* (FELIX, 1903)).
- Heterocoenia verrucosa* REUSS, 1854 – BARON-SZABO (2003a: 132) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R, 2003/023/0018/01, 03.
- Heterocoenia verrucosa* REUSS, 1854 – BARON-SZABO (2003a: 132, Pl. 9, Fig. 1) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0018/02 (Figured in: BARON-SZABO (2014a: 84, Pl. 87, Fig. 1) sub *Heterocoenia verrucosa* REUSS, 1854).
- Heterocoenia verrucosa* REUSS, 1854 – BARON-SZABO (2014a: 84, Pl. 87, Fig. 1) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0018/02 (Figured in: BARON-SZABO (2003a: 132, Pl. 9, Fig. 1) sub *Heterocoenia verrucosa* REUSS, 1854).
- Heterocoenia verrucosa* REUSS, 1854 – FELIX (1903: 237) – upper Santonian, Neffgraben, Gosau, Salzburg, R (4), 1903/004/0054/01–04.
- Heterocoenia verrucosa* REUSS, 1854 – FELIX (1903: 237) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R (3), 1903/004/0054/05–07.
- Heterocoenia verrucosa* REUSS, 1854 – FELIX (1903: 237) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0054/08.

### *Hydnophora*

- Hydnophora multilamellosa* REUSS, 1854 – FELIX (1903: 281) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0084/01.
- Hydnophora multilamellosa* REUSS, 1854 – FELIX (1903: 281) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0084/02.
- Hydnophora multilamellosa* REUSS, 1854 – FELIX (1903: 281) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0084/03.
- Hydnophora styriaca* (MICHELIN, 1847) – BARON-SZABO (2003a: 121) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R, 2003/023/0007/01.
- Hydnophora styriaca* (MICHELIN, 1847) – BARON-SZABO (2003a: 121, Pl. 1, Fig. 7) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0007/02.
- Hydnophora styriaca* (MICHELIN, 1847) – BARON-SZABO (2003a: 121) – Santonian, Gosau, Grabenbach, Upper Austria, R, 2003/023/0007/03.

*Hydnophora styriaca* (MICHELIN, 1847) – BARON-SZABO (2003a: 121) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R (2), 2003/023/0007/04–05.

*Hydnophora styriaca* (MICHELIN, 1847) – FELIX (1903: 279) – Turonian–Campanian, Gosau Valley, Upper Austria, R (2), 1903/004/0083/03, 05.

*Hydnophora styriaca* (MICHELIN, 1847) – FELIX (1903: 279) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0083/04.

*Hydnophora styriaca* var. *ramosa* FELIX, 1903 – FELIX (1903: 280, Pl. 24, Fig. 14) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, S, 1903/004/0083/01 (Figured in: BEAUVAIS (1982, part 1: 95, Pl. 59, Fig. 8) sub *Hydnophora ramosa* FELIX, 1903).

*Hydnophora styriaca* var. *ramosa* FELIX, 1903 – FELIX (1903: 280) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, S (7), 1903/004/0083/02.

*Hydnophora ramosa* FELIX, 1903 – BEAUVAIS (1982, part 1: 95, Pl. 59, Fig. 8) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, F, 1903/004/0083/01 (Syntype of *Hydnophora styriaca* var. *ramosa* FELIX (1903: 280, Pl. 24, Fig. 14)).

### ***Hydnophorastraea***

*Hydnophorastraea carinata* (FELIX, 1903) – BEAUVAIS (1982, part 2: 135) – upper Santonian, Neffgraben, Gosau, Salzburg, PL, 1903/004/0030/01 (Syntype in: FELIX (1903: 210) sub *Thamnastraea carinata* FELIX, 1903).

*Hydnophorastraea carinata* (FELIX, 1903) – BEAUVAIS (1982, part 2: 135) – upper Santonian, Neffgraben, Gosau, Salzburg, PL, 1903/004/0030/02 (Syntype in: FELIX (1903: 210) sub *Thamnastraea carinata* FELIX, 1903).

### ***Isastraea***

*Isastraea hoernesii* (REUSS, 1854) – FELIX (1903: 272) – Turonian–Campanian, Gosau, Upper Austria, R, 1854/007/0086 (Syntype of *Prionastraea hoernesii* REUSS (1854: 115, Pl. 13, Figs. 7–8) and figured in: BARON-SZABO (2014a: 39, Pl. 33, Figs. 1–5) sub *Stephanaxophyllia hoernesii* (REUSS, 1854)).

### ***Kobyia***

*Kobyia rigausensis* BEAUVAIS, 1982 – BARON-SZABO (1999: 462) – upper Santonian–Campanian, Weissenbachalm, Styria, R, 1999/089/0026/01.

*Kobyia rigausensis* BEAUVAIS, 1982 – BARON-SZABO (1999: 462, Pl. 3, Fig. 3, Pl. 7, Fig. 6) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0026/02 (Figured in: BARON-SZABO (2014a: 67, Pl. 74, Figs. 2, 3, 6) sub *Kobyia rigausensis* BEAUVAIS, 1982).

*Kobyia rigausensis* BEAUVAIS, 1982 – BARON-SZABO (2014a: 67, Pl. 74, Figs. 2, 3, 6) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0026/02 (Figured in: BARON-SZABO (1999: 462, Pl. 3, Fig. 3, Pl. 7, Fig. 6) sub *Kobyia rigausensis* BEAUVAIS, 1982).

### ***Koiloromorpha***

*Koiloromorpha tenuisepta* (REUSS, 1854) – BARON-SZABO (2002: 416, Pl. 81, Figs. 2, 4) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0027/02 (Figured in: BARON-SZABO (2003a: 138, Pl. 21, Figs. 4, 5, 7) sub *Koiloromorpha tenuisepta* (REUSS, 1854)).

*Koiloromorpha tenuisepta* (REUSS, 1854) – BARON-SZABO (2003a: 138) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R, 2003/023/0027/01.

*Koiloromorpha tenuisepta* (REUSS, 1854) – BARON-SZABO (2003a: 138, Pl. 21, Figs. 4, 5, 7) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0027/02 (Figured in: BARON-SZABO (2002: 416, Pl. 81, Figs. 2, 4) sub *Koiloromorpha tenuisepta* (REUSS, 1854)).

*Koiloromorpha tenuisepta* (REUSS, 1854) – BEAUVAIS (1982, part 2: 94) – Turonian–Campanian (? upper Santonian), Gosau, Upper Austria, R, 1903/004/0038/01 (Syntype of *Latomaeandra tenuisepta* REUSS (1854: 107) and reference material in: FELIX (1903: 217) sub *Latimaeandraraea tenuisepta* (REUSS, 1854)).

### ***Lasmogyra***

*Lasmogyra fenestrata* FELIX, 1903 – FELIX (1903: 246) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, S, 1903/004/0061/01 (Paralectotype through lectotype designation in: BEAUVAIS (1982, part 1: 68) sub *Placosmilia fenestrata* (FELIX, 1903)).

*Lasmogyra fenestrata* FELIX, 1903 – FELIX (1903: 246, Pl. 21, Fig. 7) – Upper Cretaceous, Zeller See, Upper Austria, S, 1903/004/0061/02 (Paralectotype through lectotype designation in: BEAUVAIS (1982, part 1: 68, Pl. 59, Fig. 5) sub *Placosmilia fenestrata* (FELIX, 1903)).

*Lasmogyra fenestrata* FELIX, 1903 – FELIX (1903: 246, Pl. 21, Fig. 8) – Upper Cretaceous, Zeller See, Upper Austria, S, 1903/004/0061/03 (Paralectotype through lectotype designation in: BEAUVAIS (1982, part 1: 68, Pl. 59, Fig. 6) sub *Placosmilia fenestrata* (FELIX, 1903)).

*Lasmogyra fenestrata* FELIX, 1903 – FELIX (1903: 246) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, S (7), 1903/004/0061/04–10 (Paralectotypes through lectotype designation in: BEAUVAIS (1982, part 1: 68) sub *Placosmilia fenestrata* (FELIX, 1903)).

*Lasmogyra fenestrata* FELIX, 1903 – FELIX (1903: 246, Pl. 21, Figs. 6, 6a) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, S, 1903/004/0061/11 (Lectotype in: BEAUVAIS (1982, part 1: 68, Pl. 4, Fig. 4) sub *Placosmilia fenestrata* (FELIX, 1903)).

*Lasmogyra fenestrata* FELIX, 1903 – FELIX (1903: 246) – Upper Cretaceous, Zeller See, Upper Austria, S, 5, 1903/004/0061/12–16.

*Lasmogyra gracilis* FELIX, 1903 – FELIX (1903: 246) – upper Turonian–Campanian, Gosau Valley, Upper Austria, S, 1903/004/0062/01 (Figured in: BARON-SZABO (2014a: 34, Pl. 24, Figs. 1–2) sub *Placosmilia gracilis* (FELIX, 1903)).

*Lasmogyra gracilis* FELIX, 1903 – FELIX (1903: 246) – upper Santonian, Neffgraben, Gosau, Salzburg, S, 1903/004/0062/02

(Figured in: BARON-SZABO (2014a: 34, Pl. 24, Figs. 4–5) sub *Placosmilia gracilis* (FELIX, 1903)).

*Lasmogyra gracilis* FELIX, 1903 – FELIX (1903: 246, Pl. 21, Figs. 4, 4a–b) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, S, 1903/004/0062/03 (Figured in: BEAUVAIS (1982, part 1: 66, Pl. 59, Fig. 7) sub *Placosmilia gracilis* (FELIX, 1903)).

*Lasmogyra gracilis* FELIX, 1903 – FELIX (1903: 246) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, S, 1903/004/0062/04.

*Lasmogyra tortuosa* FELIX, 1903 – FELIX (1903: 247) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, S, 1903/004/0063/01 (Reference material in: BEAUVAIS (1982, part 1: 65) sub *Placosmilia turonensis* (DE FROMENTEL, 1877) and figured in: BARON-SZABO (2014a: 34, Pl. 25, Figs. 1–2) sub *Placosmilia tortuosa* (FELIX, 1903)).

*Lasmogyra tortuosa* FELIX, 1903 – FELIX (1903: 247) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, S, 1903/004/0063/02 (Reference material in: BEAUVAIS (1982, part 1: 65) sub *Placosmilia turonensis* (DE FROMENTEL, 1877) and figured in: BARON-SZABO (2014a: 34, Pl. 25, Fig. 3) sub *Placosmilia tortuosa* (FELIX, 1903)).

*Lasmogyra tortuosa* FELIX, 1903 – FELIX (1903: 247) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, S, 1903/004/0063/03 (Reference material in: BEAUVAIS (1982, part 1: 65) sub *Placosmilia turonensis* (DE FROMENTEL, 1877)).

*Lasmogyra tortuosa* FELIX, 1903 – FELIX (1903: 247, Text-Fig. 26) – Coniacian–Santonian, Hohe Traunwand, Rußbach am Paß Gschütt, Salzburg, S, 1903/004/0063/04.

*Lasmogyra tortuosa* FELIX, 1903 – FELIX (1903: 247) – Turonian–Campanian, Gosau, Upper Austria, S (3), 1903/004/0063/05–07.

*Lasmogyra tortuosa* FELIX, 1903 – FELIX (1903: 247) – Upper Cretaceous, Zeller See, Upper Austria, S, 1903/004/0063/08.

*Lasmogyra occitanica* (MICHELIN, 1847) – FELIX (1903: 248, Pl. 21, Fig. 1) – Turonian–Campanian, Gosau, Upper Austria, F, 1903/004/0064/01 (Reference material in: REUSS (1854: 92) sub *Rhipidogyra occitanica* (MICHELIN, 1847) and figured in: BEAUVAIS (1982, part 1: 61, Pl. 59, Fig. 1) sub *Placosmilia occitanica* (MICHELIN, 1847)).

*Lasmogyra occitanica* (MICHELIN, 1847) – FELIX (1903: 248, Pl. 21, Fig. 3) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, F, 1903/004/0064/02 (Figured in: BEAUVAIS (1982, part 1: 61, Pl. 59, Fig. 2) sub *Placosmilia occitanica* (MICHELIN, 1847)).

*Lasmogyra occitanica* (MICHELIN, 1847) – FELIX (1903: 248) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0064/03.

*Lasmogyra occitanica* (MICHELIN, 1847) – FELIX (1903: 248) – Santonian, Gams, Hieflau, Styria, R, 1903/004/0064/04.

*Lasmogyra sinuosa* (REUSS, 1854) – FELIX (1903: 249, Pl. 21, Fig. 5) – Turonian–Campanian, Gosau, Upper Austria, F, 1903/004/0065/01 (Figured in: BEAUVAIS (1982, part 1: 63, Pl. 59, Fig. 4) sub *Placosmilia sinuosa* (REUSS, 1854)).

*Lasmogyra sinuosa* (REUSS, 1854) – FELIX (1903: 249) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0065/02.

*Lasmogyra sinuosa* (REUSS, 1854) – FELIX (1903: 249) – Turonian–Campanian, Gosau Valley, Upper Austria, R (7), 1903/004/0065/03, 06–07.

*Lasmogyra sinuosa* (REUSS, 1854) – FELIX (1903: 249) – Turonian–Campanian, Gosau, Upper Austria, R (2), 1903/004/0065/04–05 (Reference material in: REUSS (1854: 92) sub *Rhipidogyra occitanica* (MICHELIN, 1847)).

*Lasmogyra sinuosa* (REUSS, 1854) – FELIX (1903: 249) – upper Santonian, Brunstloch, Gosau, Upper Austria, R, 1903/004/0065/08.

*Lasmogyra sinuosa* (REUSS, 1854) – FELIX (1903: 249) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0065/09.

*Lasmogyra sinuosa* (REUSS, 1854) – FELIX (1903: 249) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R (2), 1903/004/0065/10–11.

### *Latimaeandraraea*

*Latimaeandraraea agaricites* (GOLDFUSS, 1826) – FELIX (1903: 220) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0040.

*Latimaeandraraea asperrima* (REUSS, 1854) – FELIX (1903: 223, Pl. 18, Fig. 8) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, F, 1903/004/0044/01 (Syntype in: REUSS (1854: 108) sub *Latimaeandra asperrima* REUSS, 1854).

*Latimaeandraraea asperrima* (REUSS, 1854) – FELIX (1903: 223) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0044/02.

*Latimaeandraraea asperrima* (REUSS, 1854) – FELIX (1903: 223) – Upper Cretaceous, Zeller See, Upper Austria, R, 1903/004/0044/03.

*Latimaeandraraea astraeoides* (REUSS, 1854) – FELIX (1903: 216) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0035/01.

*Latimaeandraraea astraeoides* (REUSS, 1854) – FELIX (1903: 216) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0035/02.

*Latimaeandraraea astraeoides* (REUSS, 1854) – FELIX (1903: 216) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0035/03.

*Latimaeandraraea astraeoides* (REUSS, 1854) – FELIX (1903: 216) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R, 1903/004/0035/04.

*Latimaeandraraea ataciana* (MICHELIN, 1847) – FELIX (1903: 219, Pl. 18, Fig. 6) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, F, 1903/004/0039/01 (Lectotype of *Lophomeandra felixi* BEAUVAIS (1982, part 2: 252, Pl. 47, Fig. 1) and figured in: BARON-SZABO (2002: 155, Pl. 116, Fig. 3) and BARON-SZABO (2014a: 72, Pl. 79, Fig. 8) sub *Lophomeandra felixi* BEAUVAIS, 1982).

*Latimaeandraraea ataciana* (MICHELIN, 1847) – FELIX (1903: 219) – Upper Cretaceous, Zeller See, Upper Austria, PL, 1903/004/0039/02.

*Latimaeandraraea* cf. *ataciana* (MICHELIN, 1847) – FELIX (1903: 219) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R, 1903/004/0039/03.

*Latimaeandraraea brachygyra* (REUSS, 1854) – FELIX (1903: 221) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0042/01.

*Latimaeandraraea brachygyra* (REUSS, 1854) – FELIX (1903: 221) – upper Santonian, Neffgraben, Gosau, Salzburg, R (7), 1903/004/0042/02–08.

*Latimaeandraraea brachygyra* (REUSS, 1854) – FELIX (1903: 221) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R, 1903/004/0042/09.

*Latimaeandraraea fungiformis* (REUSS, 1854) – FELIX (1903: 221) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (2), 1903/004/0043/01–02.

*Latimaeandraraea morchella* (REUSS, 1854) – FELIX (1903: 217) – Turonian–Campanian, Gosau, Upper Austria, R (2), 1903/004/0037/01–02.

*Latimaeandraraea morchella* (REUSS, 1854) – FELIX (1903: 217) – Turonian–Campanian, ?Gosau, Upper Austria, R, 1903/004/0037/03.

*Latimaeandraraea morchella* (REUSS, 1854) – FELIX (1903: 217) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0037/04.

*Latimaeandraraea morchella* (REUSS, 1854) – FELIX (1903: 217) – Upper Cretaceous, ?Upper Austria, R, 1903/004/0037/05.

*Latimaeandraraea tenuisepta* (REUSS, 1854) – FELIX (1903: 217) – Turonian–Campanian (?upper Santonian), Gosau, Upper Austria, R, 1903/004/0038/01 (Syntype of *Latomaeandra tenuisepta* REUSS (1854: 107) and reference material in: BEAUVAIS (1982, part 2: 94) sub *Koilmorpha tenuisepta* (REUSS, 1854)).

*Latimaeandraraea tenuisepta* (REUSS, 1854) – FELIX (1903: 217) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0038/02.

*Latimaeandraraea tenuisepta* (REUSS, 1854) – FELIX (1903: 217) – Turonian–Campanian, Gosau, Upper Austria, R (2), 1903/004/0038/03–04.

*Latimaeandraraea tenuisepta* (REUSS, 1854) – FELIX (1903: 217) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0038/05 (Questionable syntype of *Latomaeandra tenuisepta* REUSS (1854: 107); original handwriting of REUSS: *L. agaricites* REUSS, 1854, ?label changed place).

*Latimaeandraraea tenuisepta* (REUSS, 1854) – FELIX (1903: 217) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0038/06.

### ***Latohelvia***

*Latohelvia* cf. *circularia* BARON-SZABO, 1998 – BARON-SZABO (1999: 461, Pl. 5, Fig. 3) – upper Turonian, Weissenbachalm, Styria, F, 1999/089/0011/02.

*Latohelvia* cf. *circularia* BARON-SZABO, 1998 – BARON-SZABO (1999: 461), upper Turonian, Weissenbachalm, Styria, R, 1999/089/0024/01.

### ***Latomaeandra (= Latomeandra)***

*Latomaeandra asperrima* REUSS, 1854 – REUSS (1854: 108) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, S, 1903/004/0044/01 (Figured in FELIX (1903: 223, Pl. 8, Fig. 8) sub *Latimaeandraraea asperrima* (REUSS, 1854)).

*Latomaeandra astraeoides* REUSS, 1854 – REUSS (1854: 106) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, S, 2012/097/0002.

*Latomaeandra tenuisepta* REUSS, 1854 – REUSS (1854: 107) – Turonian–Campanian (?upper Santonian), Gosau, Upper Austria, S, 1903/004/0038/01 (Reference material in: FELIX (1903: 217) sub *Latimaeandraraea tenuisepta* (REUSS, 1854) and in: BEAUVAIS (1982, part 2: 94) sub *Koilmorpha tenuisepta* (REUSS, 1854)).

*Latomaeandra tenuisepta* REUSS, 1854 – REUSS (1854: 107) – Turonian–Campanian, Gosau, Upper Austria, ? S, 1903/004/0038/05 (Original handwriting of REUSS: *L. agaricites* REUSS, 1854, ?label changed place; Reference material in FELIX (1903: 217) sub *Latimaeandraraea tenuisepta* (REUSS, 1854)).

### ***Leptophyllia***

*Leptophyllia clavata* REUSS, 1854 – FELIX (1903: 200) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0022/01.

*Leptophyllia clavata* REUSS, 1854 – FELIX (1903: 200) – upper Santonian, Brunstloch, Gosau, Upper Austria, R, 1903/004/0022/02 (Syntype in: REUSS (1854: 101) sub *Leptophyllia clavata* REUSS, 1854).

*Leptophyllia clavata* REUSS, 1854 – FELIX (1903: 200) – upper Santonian, Brunstloch, Gosau, Upper Austria, R, 1903/004/0022/03 (Syntype in: REUSS (1854: 101) sub *Leptophyllia clavata* REUSS, 1854).

*Leptophyllia clavata* REUSS, 1854 – FELIX (1903: 200) – Turonian–Campanian, Gosau, Upper Austria, R (3), 1903/004/0022/04, 08–09.

*Leptophyllia clavata* REUSS, 1854 – FELIX (1903: 200) – Turonian–Campanian, Gosau Valley, Upper Austria, R (3), 1903/004/0022/05–07.

*Leptophyllia clavata* REUSS, 1854 – FELIX (1903: 200) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (3), 1903/004/0022/10–12.

*Leptophyllia clavata* REUSS, 1854 – FELIX (1903: 200) – Santonian, Hochmoos Formation, Gosau, Tiefengraben am Grabenbach, Upper Austria, R (2), 1903/004/0022/13–14.

*Leptophyllia clavata* REUSS, 1854 – FELIX (1903: 200) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R (6), 1903/004/0022/15–20.

*Leptophyllia clavata* REUSS, 1854 – FELIX (1903: 200) – Upper Cretaceous, Zeller See, Upper Austria, R, 1903/004/0022/21.

*Leptophyllia clavata* REUSS, 1854 – REUSS (1854: 101) – upper Santonian, Brunstloch, Gosau, Upper Austria, S, 1903/004/0022/02 (Reference material in: FELIX (1903: 200) sub *Leptophyllia clavata* REUSS, 1854).

*Leptophyllia clavata* REUSS, 1854 – REUSS (1854: 101) – upper Santonian, Brunstloch, Gosau, Upper Austria, S, 1903/004/0022/03 (Reference material in: FELIX (1903: 200) sub *Leptophyllia clavata* REUSS, 1854).

*Leptophyllia clavata* REUSS, 1854 – REUSS (1854: 101) – Turonian–Campanian, Gosau, Upper Austria, S (4), 2012/092/0103 (Paralectotype through lectotype designation in: BARON-SZABO (2014a: 51) sub *Acrosmilia clavata* (REUSS, 1854)).

### **Leptoria**

*Leptoria konincki* (MILNE EDWARDS & HAIME, 1849) – FELIX (1903: 276) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0082/01.

*Leptoria konincki* (MILNE EDWARDS & HAIME, 1849) – FELIX (1903: 276) – Turonian–Campanian, Gosau Valley, Upper Austria, R (2), 1903/004/0082/02–03.

*Leptoria konincki* (MILNE EDWARDS & HAIME, 1849) – FELIX (1903: 276) – upper Santonian, Neffgraben, Gosau, Salzburg, R (2), 1903/004/0082/04–05.

*Leptoria konincki* (MILNE EDWARDS & HAIME, 1849) – REUSS (1854: 110) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R (11), 2012/055/0069.

*Leptoria konincki* (MILNE EDWARDS & HAIME, 1849) – REUSS (1854: 110) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 2012/096/0026.

### **Loboseris**

*Loboseris abbreviata* (REUSS, 1854) – BARON-SZABO (2002: 153, Pl. 113, Fig. 1) – Turonian–Campanian, Gosau, Upper Austria, F, 1854/007/0050 (Holotype by monotypy of *Mussa abbreviata* REUSS (1854: 104, Pl. 4, Figs. 4–6), reference material in: FELIX (1903: 243) sub *Thecosmilia abbreviata* REUSS, 1854 and figured in: BEAUVAIS (1982, part 2: 261, Pl. 47, Fig. 3) and BARON-SZABO (2014a: 55, Pl. 61, Fig. 6, Pl. 62, Figs. 1–6) sub *Loboseris abbreviata* (REUSS, 1854)).

*Loboseris abbreviata* (REUSS, 1854) – BARON-SZABO (2014a: 55, Pl. 61, Fig. 6, Pl. 62, Figs. 1–6) – Turonian–Campanian, Gosau, Upper Austria, F, 1854/007/0050 (Holotype by monotypy of *Mussa abbreviata* REUSS (1854: 104, Pl. 4, Figs. 4–6), reference material in: FELIX (1903: 243) sub *Thecosmilia abbreviata* REUSS, 1854 and figured in: BEAUVAIS (1982, part 2: 261, Pl. 47, Fig. 3) and BARON-SZABO (2002: 153, Pl. 113, Fig. 1) sub *Loboseris abbreviata* (REUSS, 1854)).

*Loboseris abbreviata* (REUSS, 1854) – BEAUVAIS (1982, part 2: 261, Pl. 47, Fig. 3) – Turonian–Campanian, Gosau, Upper Austria, F, 1854/007/0050 (Holotype by monotypy of *Mussa abbreviata* REUSS (1854: 104, Pl. 4, Figs. 4–6), reference material in: FELIX (1903: 243) sub *Thecosmilia abbreviata* REUSS, 1854 and figured in: BARON-SZABO (2002: 153, Pl. 113, Fig. 1) and BARON-SZABO (2014a: 55, Pl. 61, Fig. 6, Pl. 62, Figs. 1–6) sub *Loboseris abbreviata* (REUSS, 1854)).

### **Lophomeandra**

*Lophomeandra felixi* BEAUVAIS, 1982 – BARON-SZABO (2002: 155, Pl. 116, Fig. 3) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, F, 1903/004/0039/01

(Figured in: FELIX (1903: 219, Pl. 18, Fig. 6) sub *Latimaeandraraea ataciana* (MICHELIN, 1847), lectotype of *Lophomeandra felixi* BEAUVAIS (1982, part 2: 252, Pl. 47, Fig. 1) and figured in BARON-SZABO (2014a: 72, Pl. 79, Fig. 8) sub *Lophomeandra felixi* BEAUVAIS, 1982).

*Lophomeandra felixi* BEAUVAIS, 1982 – BARON-SZABO (2002: 155, Pl. 116, Fig. 4) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0029/01 (Figured in: BARON-SZABO (2003a: 140, Pl. 21, Fig. 1) and BARON-SZABO (2014a: 72, Pl. 79, Fig. 7) sub *Lophomeandra felixi* BEAUVAIS, 1982).

*Lophomeandra felixi* BEAUVAIS, 1982 – BARON-SZABO (2003a: 140) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R (2), 2003/023/0029/02–03.

*Lophomeandra felixi* BEAUVAIS, 1982 – BARON-SZABO (2003a: 140, Pl. 21, Fig. 1) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0029/01 (Figured in: BARON-SZABO (2002: 155, Pl. 116, Fig. 4) and BARON-SZABO (2014a: 72, Pl. 79, Fig. 7) sub *Lophomeandra felixi* BEAUVAIS, 1982).

*Lophomeandra felixi* BEAUVAIS, 1982 – BARON-SZABO (2014a: 72, Pl. 79, Fig. 8) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, F, 1903/004/0039/01 (Lectotype of *Lophomeandra felixi* BEAUVAIS (1982, part 2: 252, Pl. 47, Fig. 1) and figured in: FELIX (1903: 219, Pl. 18, Fig. 6) sub *Latimaeandraraea ataciana* (MICHELIN, 1847) and BARON-SZABO (2002: 155, Pl. 116, Fig. 3) sub *Lophomeandra felixi* BEAUVAIS, 1982).

*Lophomeandra felixi* BEAUVAIS, 1982 – BARON-SZABO (2014a: 72, Pl. 79, Fig. 7) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0029/01 (Figured in: BARON-SZABO (2002: 155, Pl. 116, Fig. 4) and BARON-SZABO (2003a: 140, Pl. 21, Fig. 1) sub *Lophomeandra felixi* BEAUVAIS, 1982).

*Lophomeandra felixi* BEAUVAIS, 1982 – BEAUVAIS (1982, part 2: 252, Pl. 47, Fig. 1) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, L, 1903/004/0039/01 (Figured in: FELIX (1903: 219, Pl. 18, Fig. 6) sub *Latimaeandraraea ataciana* (MICHELIN, 1847), BARON-SZABO (2002: 155, Pl. 116, Fig. 3) and BARON-SZABO (2014a: 72, Pl. 79, Fig. 8) sub *Lophomeandra felixi* BEAUVAIS, 1982).

### **Maeandrastraea (= Meandrastrea)**

*Maeandrastraea macroreina* (MICHELIN, 1847) – FELIX (1903: 253, Pl. 23, Fig. 13) – upper Santonian, Brunstloch, Gosau, Upper Austria, F, 1903/004/0067 (Figured in: BARON-SZABO (2014a: 29, Pl. 17, Figs. 1–2, Pl. 19, Figs. 1–2) and reference material in: BEAUVAIS (1982, part 1: 84) sub *Taxogyra macroreina* (MICHELIN, 1847)).

### **Maeandrella**

*Maeandrella michelini* (REUSS, 1854) – BARON-SZABO (2014a: 61, Pl. 68, Figs. 5–6, Pl. 69, Fig. 1) – upper Turonian–Campanian, Gosau Valley, Upper Austria, F, 1854/007/0067 (Holotype by monotypy of *Maeandrina michelini* REUSS (1854: 109, Pl. 15, Figs. 8–9) and figured in: BEAUVAIS (1982, part 2: 115, Pl. 37, Fig. 6) sub *Meandrofungia michelini* (REUSS, 1854)).

### ***Maeandrina* (= *Meandrina*)**

*Maeandrina michelini* REUSS, 1854 – REUSS (1854: 109, Pl. 15, Figs. 8–9) – upper Turonian–Campanian, Gosau Valley, Upper Austria, Hm, 1854/007/0067 (Figured in: BEAUVAIS (1982, part 2: 115, Pl. 37, Fig. 6) sub *Meandروفungia michelini* (REUSS, 1854) and in: BARON-SZABO (2014a: 61, Pl. 68, Figs. 5–6, Pl. 69, Fig. 1) sub *Maeandrella michelini* (REUSS, 1854)).

*Maeandrina salisburgensis* (MILNE EDWARDS & HAIME, 1849) – REUSS (1854: 109) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0101/01 (Figured in: FELIX (1903: 306, Pl. 22, Fig. 14) sub *Dendrogyra salisburgensis* (MILNE EDWARDS & HAIME, 1849) and in: BEAUVAIS (1982, part 1: 204, Pl. 60, Fig. 3) sub *Orbignygyra salisburgensis* (MILNE EDWARDS & HAIME, 1849)).

*Maeandrina salisburgensis* (MILNE EDWARDS & HAIME, 1849) – REUSS (1854: 109) – Turonian–Campanian (?Santonian), Gosau, ?Randograben, Upper Austria, R, 1903/004/0101/05 (Reference material in: FELIX (1903: 306) sub *Dendrogyra salisburgensis* (MILNE EDWARDS & HAIME, 1849)).

### ***Meandروفungia***

*Meandروفungia michelini* (REUSS, 1854) – BEAUVAIS (1982, part 2: 115, Pl. 37, Fig. 6) – upper Turonian–Campanian, Gosau Valley, Upper Austria, F, 1854/007/0067 (Holotype by monotypy of *Maeandrina michelini* REUSS (1854: 109, Pl. 15, Figs. 8–9) and figured in: BARON-SZABO (2014a: 61, Pl. 68, Figs. 5–6, Pl. 69, Fig. 1) sub *Maeandrella michelini* (REUSS, 1854)).

### ***Mesomorpha***

?*Mesomorpha chaetetoides* (TRAUTH, 1911) – BARON-SZABO (2014a: 40, Pl. 34, Fig. 4) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, PT, 1903/004/0005/01 (Syntype in: FELIX (1903: 183) sub *Thamnaraea cladophora* FELIX, 1903 and paralectotype through lectotype designation in: BEAUVAIS (1982, part 2: 127) sub *Synastrea cladophora* (FELIX, 1903)).

?*Mesomorpha chaetetoides* (TRAUTH, 1911) – BARON-SZABO (2014a: 40, Pl. 34, Fig. 5) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, F, 1903/004/0005/02 (Syntype in: FELIX (1903: 183) sub *Thamnaraea cladophora* FELIX, 1903 and paralectotype through lectotype designation in: BEAUVAIS (1982, part 2: 127) sub *Synastrea cladophora* (FELIX, 1903)).

*Mesomorpha mammillata* (REUSS, 1854) – BARON-SZABO (2002: 65, Pl. 44, Fig. 7) – (?upper) Santonian, Gosau, Randograben or Neffgraben, Upper Austria, F, 1854/007/0125 (Syntype of *Porites mammillata* REUSS (1854: 129) and probably figured specimen in: FELIX (1903: 225, Text-Figs. 17, 18) and lectotype in: BARON-SZABO (2014a: 40, Pl. 34, Figs. 1–3) sub *Mesomorpha mammillata* (REUSS, 1854)).

*Mesomorpha mammillata* (REUSS, 1854) – BARON-SZABO (2014a: 40, Pl. 34, Figs. 1–3) – (?upper) Santonian, Gosau, Randograben or Neffgraben, Upper Austria, L, 1854/007/0125 (Syntype of *Porites mammillata* REUSS (1854:

129), probably figured specimen in: FELIX (1903: 225, Text-Figs. 17, 18) and figured in: BARON-SZABO (2002: 65, Pl. 44, Fig. 7) sub *Mesomorpha mammillata* (REUSS, 1854)).

*Mesomorpha mammillata* (REUSS, 1854) – FELIX (1903: 225, Text-Figs. 17, 18 ?) – (?upper) Santonian, Gosau, Upper Austria, ?F, 1854/007/0125 (Syntype of *Porites mammillata* REUSS (1854: 129), figured in: BARON-SZABO (2002: 65, Pl. 44, Fig. 7) and lectotype in: BARON-SZABO (2014a: 40, Pl. 34, Figs. 1–3) sub *Mesomorpha mammillata* (REUSS, 1854)).

*Mesomorpha mammillata* (REUSS, 1854) – FELIX (1903: 225) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, F, 1903/004/0045.

### ***Montastraea***

*Montastraea corollaris* (REUSS, 1854) – BARON-SZABO (2014a: 45, Pl. 47, Fig. 6) – Turonian–Campanian, Gosau Valley, Upper Austria, F, 1903/004/0088/01 (Reference material in: FELIX (1903: 287) sub *Phyllocoenia corollaris* (REUSS, 1854)).

### ***Montlivaltia***

*Montlivaltia rudis* (SOWERBY, 1830) – FELIX (1903: 239) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0055/01 (Reference material in: REUSS (1854: 102) sub *Montlivaltia rudis* (SOWERBY, 1830)).

*Montlivaltia rudis* (SOWERBY, 1830) – FELIX (1903: 239) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0055/02 (Reference material in: REUSS (1854: 102) sub *Montlivaltia rudis* (SOWERBY, 1830)).

*Montlivaltia rudis* (SOWERBY, 1830) – FELIX (1903: 239) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R, 1903/004/0055/03 (Reference material in: REUSS (1854: 102) sub *Montlivaltia rudis* (SOWERBY, 1830)).

*Montlivaltia rudis* (SOWERBY, 1830) – REUSS (1854: 102) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0055/01 (Reference material in: FELIX (1903: 239) sub *Montlivaltia rudis* (SOWERBY, 1830)).

*Montlivaltia rudis* (SOWERBY, 1830) – REUSS (1854: 102) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0055/02 (Reference material in: FELIX (1903: 239) sub *Montlivaltia rudis* (SOWERBY, 1830)).

*Montlivaltia rudis* (SOWERBY, 1830) – REUSS (1854: 102) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R, 1903/004/0055/03 (Reference material in: FELIX (1903: 239) sub *Montlivaltia rudis* (SOWERBY, 1830)).

*Montlivaltia latona* FELIX, 1903 – FELIX (1903: 240) – Turonian–Campanian, Gosau Valley, Upper Austria, S, 1903/004/0057.

### ***Multicolumnastraea* (= *Multicolumastraea*)**

*Multicolumnastraea cyathiformis* (DUNCAN in DUNCAN & WALL, 1865) – BARON-SZABO (2003a: 119, Pl. 3, Fig. 7) – Santonian, Hochmoos–Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0005/01.

*Multicolumnastraea cyathiformis* (DUNCAN in DUNCAN & WALL, 1865) – BARON-SZABO (2003a: 119) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R (5), 2003/023/0005/02–06.

*Multicolumnastraea cyathiformis* (DUNCAN in DUNCAN & WALL, 1865) – SZENTE et al. (2010: 140, Pl. 3, Fig. 5) – Turonian–?Coniacian, St. Gilgen, “Station Billroth”, Salzburg, F, 2013/007/0004.

### **Mussa**

*Mussa abbreviata* REUSS, 1854 – REUSS (1854: 104, Pl. 4, Figs. 4–6) – Turonian–Campanian, Gosau, Upper Austria, Hm, 1854/007/0050 (Reference material in: FELIX (1903: 243) sub *Thecosmilia abbreviata* REUSS, 1854, figured in: BEAUVAIS (1982, part 2: 261, Pl. 47, Fig. 3), BARON-SZABO (2002: 153, Pl. 113, Fig. 1) and BARON-SZABO (2014a: 55, Pl. 61, Fig. 6, Pl. 62, Figs. 1–6) sub *Loboseris abbreviata* (REUSS, 1854)).

### **Nefophyllia**

*Nefophyllia angusta* (REUSS, 1854) – BARON-SZABO (2014b: 162, Pl. 1, Figs. 5–6) – Turonian–Campanian, Gosau Valley, Upper Austria, F, 1903/004/0100/01 (Reference material in: FELIX (1903: 303) sub *Stenosmilia tenuicosta* (REUSS, 1854)).

### **Neocoenia**

*Neocoenia lepida* (REUSS, 1854) – BARON-SZABO (2014a: 28, Pl. 14, Figs. 1–2), Turonian–Campanian, Gosau Valley, Upper Austria, F, 1903/004/0095/01 (Reference material in: FELIX (1903: 297) sub *Placocoenia dumortieri* DE FROMENTEL, 1864).

*Neocoenia lepida* (REUSS, 1854) – BARON-SZABO (2014a: 28, Pl. 13, Fig. 6) – upper Santonian–Campanian, Weissenbachalm, Styria, F, 1999/089/0021/04 (Reference material in: BARON-SZABO (1999: 459) sub *Neocoeniopsis corollaris* (REUSS, 1854)).

*Neocoenia (Placocaeniopsis) kittliana* (FELIX, 1903) – BARON-SZABO (2014a: 28, Pl. 15, Figs. 2, 4, 8) – upper Santonian, Neffgraben, Gosau, Salzburg, F, 1903/004/0098 (Syntype of *Elasmocoenia kittliana* FELIX (1903: 301, Text-Fig. 52)).

*Neocoenia (Placocaeniopsis) orbignyana* (REUSS, 1854) – BARON-SZABO (2014a: 28, Text-Fig. 5) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0003/01 (Reference material in: BARON-SZABO (1999: 445) and figured in BARON-SZABO (2002: 39, Pl. 22, Figs. 1, 4) sub *Paraplacocoenia orbignyana* (REUSS, 1854)).

### **Neocoeniopsis**

*Neocoeniopsis corollaris* (REUSS, 1854) – BARON-SZABO (1999: 459) – upper Santonian–Campanian, Weissenbachalm, Styria, R (4), 1999/089/0021/01–03, 05.

*Neocoeniopsis corollaris* (REUSS, 1854) – BARON-SZABO (1999: 459) – upper Santonian–Campanian, Weissen-

bachalm, Styria, R, 1999/089/0021/04 (Figured in: BARON-SZABO (2014a: 28, Pl. 13, Fig. 6) sub *Neocoenia lepida* (REUSS, 1854)).

*Neocoeniopsis excelsa* (DE FROMENTEL, 1884) – BARON-SZABO (2003a: 137) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R, 2003/023/0025/01.

*Neocoeniopsis excelsa* (DE FROMENTEL, 1884) – BARON-SZABO (2003a: 137, Pl. 20, Fig. 1) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0025/02.

*Neocoeniopsis excelsa* (DE FROMENTEL, 1884) – BARON-SZABO (2014a: 62, Pl. 70, Figs. 5, 7, 8), middle Turonian–lower Coniacian – Brandenburg, Tyrol, F, 1903/004/0069/01 (Reference material in: FELIX (1903: 106) sub *Orbicella coronata* (REUSS, 1854) and in: BEAUVAIS (1982: 106) sub *Neocaeniopsis [sic!] lepida* (REUSS, 1854).

*Neocaeniopsis [sic!] lepida* (REUSS, 1854) – BEAUVAIS (1982, part 2: 106) – middle Turonian–lower Coniacian, Brandenburg, Tyrol, R, 1903/004/0069/01 (Reference material in: FELIX (1903: 106) sub *Orbicella coronata* (REUSS, 1854) and figured in: BARON-SZABO (2014a: 62, Pl. 70, Figs. 5, 7, 8) sub *Neocoeniopsis excelsa* (DE FROMENTEL, 1884)).

### **Ogilviastraea**

*Ogilviastraea bigemmis* (FELIX, 1903) – BARON-SZABO (2002: 124, Pl. 85, Fig. 2) – Coniacian–Santonian, Hofergraben, Gosau, Upper Austria, F, 1903/004/0113/01 (Syntype of *Placohelia bigemmis* FELIX (1903: 325) and figured in: BARON-SZABO (2014a: 60, Pl. 67, Figs. 4, 5, 9) sub *Ogilviastraea bigemmis* (FELIX, 1903)).

*Ogilviastraea bigemmis* (FELIX, 1903) – BARON-SZABO (2014a: 60, Pl. 67, Figs. 4, 5, 9) – Coniacian–Santonian, Hofergraben, Gosau, Upper Austria, F, 1903/004/0113/01 (Syntype of *Placohelia bigemmis* FELIX, 1903, in: FELIX (1903: 325) and figured in: BARON-SZABO (2002: 124, Pl. 85, Fig. 2) sub *Ogilviastraea bigemmis* (FELIX, 1903)).

*Ogilviastraea bigemmis* (FELIX, 1903) – BARON-SZABO (2014a: 246, Pl. 68, Figs. 3–4) –?Coniacian–Santonian, Untertersberg, Veitlbruch, Salzburg, F, 2014/009/0001.

### **Orbicella**

*Orbicella coronata* (REUSS, 1854) – FELIX (1903: 257) – middle Turonian–lower Coniacian – Brandenburg, Tyrol, R, 1903/004/0069/01 (Reference material in: BEAUVAIS (1982, part 2: 106) sub *Neocaeniopsis [sic!] lepida* (REUSS, 1854) and figured in: BARON-SZABO (2014a: 62, Pl. 70, Figs. 5, 7, 8) sub *Neocoeniopsis excelsa* (DE FROMENTEL, 1884)).

*Orbicella coronata* (REUSS, 1854) – FELIX (1903: 257) – middle Turonian–lower Coniacian – Brandenburg, Tyrol, R, 1903/004/0069/02.

*Orbicella simonyi* (REUSS, 1854) – FELIX (1903: 256) – Turonian–Campanian, Gosau Valley, Upper Austria, R (3), 1903/004/0068/01–02, 04.

*Orbicella simonyi* (REUSS, 1854) – FELIX (1903: 256) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0068/03.

*Orbicella simonyi* (REUSS, 1854) – FELIX (1903: 256) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0068/05.

### *Orbignygyra*

*Orbignygyra daedalea* (REUSS, 1854) – BARON-SZABO (2014a: 44, Pl. 44, Fig. 4) – upper Santonian, Neffgraben, Gosau, Salzburg, F, 1854/007/0034 (Holotype by monotypy of *Pachygyra daedalea* REUSS (1854: 94, Pl. 14, Figs. 3–4), reference material in: FELIX (1903: 311) and figured in: BEAUVAIS (1982, part 1: 203, Pl. 6, Fig. 5, Pl. 8, Fig. 6) sub *Orbignygyra daedalea* (REUSS, 1854) and BARON-SZABO (2002: 70, Pl. 50, Fig. 3) sub *Pachygyra daedalea* (REUSS, 1854)).

*Orbignygyra daedalea* (REUSS, 1854) – BEAUVAIS (1982, part 1: 203, Pl. 6, Fig. 5, Pl. 8, Fig. 6) – upper Santonian, Neffgraben, Gosau, Salzburg, F, 1854/007/0034 (Holotype by monotypy of *Pachygyra daedalea* REUSS (1854: 94, Pl. 14, Figs. 3–4), reference material in: FELIX (1903: 311) and figured in: BARON-SZABO (2002: 70, Pl. 50, Fig. 3) sub *Pachygyra daedalea* (REUSS, 1854) and BARON-SZABO (2014a: 44, Pl. 44, Fig. 4) sub *Orbignygyra daedalea* (REUSS, 1854)).

*Orbignygyra salisburgensis* (MILNE EDWARDS & HAIME, 1849) – BEAUVAIS (1982, part 1: 204, Pl. 60, Fig. 3) – Turonian–Campanian, Gosau, Upper Austria, F, 1903/004/0101/01 (Reference material in: REUSS (1854: 109) sub *Maeandrina salisburgensis* (MILNE EDWARDS & HAIME, 1849) and figured in: FELIX (1903: 306, Pl. 22, Fig. 14) sub *Dendrogyra salisburgensis* (MILNE EDWARDS & HAIME, 1849)).

*Orbignygyra tenella* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 133) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R, 2003/023/0021/01.

*Orbignygyra tenella* (GOLDFUSS, 1826) – BARON-SZABO (2003a: 133, Pl. 8, Figs. 1–2, 7) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R, 2003/023/0021/02 (Figured in: BARON-SZABO (2014a: 23, Pl. 7, Fig. 10) sub *Cycloria salisburgensis* (MILNE EDWARDS & HAIME, 1849)).

### *Pachygyra*

*Pachygyra daedalea* REUSS, 1854 – BARON-SZABO (2002: 70, Pl. 50, Fig. 3) – upper Santonian, Neffgraben, Gosau, Salzburg, F, 1854/007/0034 (Holotype by monotypy of *Pachygyra daedalea* REUSS (1854: 94, Pl. 14, Figs. 3–4), reference material in: FELIX (1903: 311) and figured in: BEAUVAIS (1982, part 1: 203, Pl. 6, Fig. 5, Pl. 8, Fig. 6) and BARON-SZABO (2014a: 44, Pl. 44, Fig. 4) sub *Orbignygyra daedalea* (REUSS, 1854)).

*Pachygyra daedalea* REUSS, 1854 – FELIX (1903: 311) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1854/007/0034 (Holotype by monotypy of *Pachygyra daedalea* REUSS (1854: 94, Pl. 14, Figs. 3–4), figured in: BEAUVAIS (1982, part 1: 203, Pl. 6, Fig. 5, Pl. 8, Fig. 6), BARON-SZABO (2002: 70, Pl. 50, Fig. 3) sub *Pachygyra daedalea* (REUSS, 1854) and BARON-SZABO (2014a: 44, Pl. 44, Fig. 4) sub *Orbignygyra daedalea* (REUSS, 1854)).

*Pachygyra daedalea* REUSS, 1854 – REUSS (1854: 94, Pl. 14, Figs. 3–4) – upper Santonian, Neffgraben, Gosau, Salzburg, Hm, 1854/007/0034 (Reference material in: FELIX

(1903: 311) and figured in: BEAUVAIS (1982, part 1: 203, Pl. 6, Fig. 5, Pl. 8, Fig. 6), BARON-SZABO (2014a: 44, Pl. 44, Fig. 4) sub *Orbignygyra daedalea* (REUSS, 1854) and BARON-SZABO (2002: 70, Pl. 50, Fig. 3) sub *Pachygyra daedalea* (REUSS, 1854)).

*Pachygyra princeps* REUSS, 1854 – BARON-SZABO (2014a: 44, Pl. 45, Figs. 1–3, Pl. 46, Fig. 1) – upper Santonian, Neffgraben, Gosau, Salzburg, F, 1854/007/0033 (Holotype by monotypy of *Pachygyra princeps* REUSS (1854: 93, Pl. 3, Figs. 1–3), reference material in: FELIX (1903: 311) and figured in: BEAUVAIS (1982, part 1: 188, Pl. 16, Fig. 1, Pl. 17, Fig. 1) sub *Pachygyra princeps* REUSS, 1854).

*Pachygyra princeps* REUSS, 1854 – BEAUVAIS (1982, part 1: 188, Pl. 16, Fig. 1, Pl. 17, Fig. 1) – upper Santonian, Neffgraben, Gosau, Salzburg, F, 1854/007/0033 (Holotype by monotypy of *Pachygyra princeps* REUSS (1854: 93, Pl. 3, Figs. 1–3), reference material in: FELIX (1903: 311) and figured in: BARON-SZABO (2014a: 44, Pl. 45, Figs. 1–3, Pl. 46, Fig. 1) sub *Pachygyra princeps* REUSS, 1854).

*Pachygyra princeps* REUSS, 1854 – FELIX (1903: 311) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1854/007/0033 (Holotype by monotypy of *Pachygyra princeps* REUSS (1854: 93, Pl. 3, Figs. 1–3), figured in: BEAUVAIS (1982, part 1: 188, Pl. 16, Fig. 1, Pl. 17, Fig. 1) and in: BARON-SZABO (2014a: 44, Pl. 45, Figs. 1–3, Pl. 46, Fig. 1) sub *Pachygyra princeps* REUSS, 1854).

*Pachygyra princeps* REUSS, 1854 – REUSS (1854: 93, Pl. 3, Figs. 1–3) – upper Santonian, Neffgraben, Gosau, Salzburg, Hm, 1854/007/0033 (Reference material in: FELIX (1903: 311), figured in: BEAUVAIS (1982, part 1: 188, Pl. 16, Fig. 1, Pl. 17, Fig. 1) and in: BARON-SZABO (2014a: 44, Pl. 45, Figs. 1–3, Pl. 46, Fig. 1) sub *Pachygyra princeps* REUSS, 1854).

### *Paraplacocoenia*

*Paraplacocoenia orbignyana* (REUSS, 1854) – BARON-SZABO (1999: 445) – upper Santonian, Weissenbachalm, Styria, R, 1999/089/0003/01 (Figured in BARON-SZABO (2002: 39, Pl. 22, Figs. 1, 4) sub *Paraplacocoenia orbignyana* (REUSS, 1854) and in: BARON-SZABO (2014a: 28, Text-Fig. 5) sub *Neocoenia (Placocoeniopsis) orbignyana* (REUSS, 1854)).

*Paraplacocoenia orbignyana* (REUSS, 1854) – BARON-SZABO (1999: 445) – upper Santonian–Campanian, Weissenbachalm, Styria, R, 1999/089/0003/02.

*Paraplacocoenia orbignyana* (REUSS, 1854) – BARON-SZABO (1999: 445, Pl. 7, Figs. 1–2) – upper Santonian–Campanian, Weissenbachalm, Styria, F, 1999/089/0003/03.

*Paraplacocoenia orbignyana* (REUSS, 1854) – BARON-SZABO (1999: 445, Pl. 4, Fig. 4) – upper Santonian–Campanian, Weissenbachalm, Styria, F, 1999/089/0003/04.

*Paraplacocoenia orbignyana* (REUSS, 1854) – BARON-SZABO (2002: 39, Pl. 22, Figs. 1, 4) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0003/01 (Reference material in: BARON-SZABO (1999: 445) sub *Paraplacocoenia orbignyana* (REUSS, 1854) and figured in: BARON-SZABO (2014a: 28, Text-Fig. 5) sub *Neocoenia (Placocoeniopsis) orbignyana* (REUSS, 1854)).



## **Parastraea**

*Parastraea grandiflora* REUSS, 1854 – FELIX (1903: 181) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0004/01 (Figured in: BARON-SZABO (2002: 107, Pl. 76, Figs. 2–3) and BARON-SZABO (2014a: 56, Pl. 64, Figs. 1–2) sub *Pseudofavia grandiflora* (REUSS, 1854)).

*Parastraea grandiflora* REUSS, 1854 – FELIX (1903: 181, Text-Fig. 7) – upper Santonian, Neffgraben, Gosau, Salzburg, F, 1903/004/0004/02.

*Parastraea grandiflora* REUSS, 1854 – REUSS (1854: 120) – upper Santonian, Neffgraben, Gosau, Salzburg, S (3), 2012/096/0027–0028.

## **Peplosmilia**

*Peplosmilia latona* (FELIX, 1903) – BARON-SZABO (2003a: 124, Pl. 4, Figs. 1, 3–6) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0011/01 (Figured in: BARON-SZABO (2014a: 35, Pl. 27, Figs. 3–6) sub *Peplosmilia latona* (FELIX, 1903)).

*Peplosmilia latona* (FELIX, 1903) – BARON-SZABO (2003a: 124) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R, 2003/023/0011/02.

*Peplosmilia latona* (FELIX, 1903) – BARON-SZABO (2014a: 35, Pl. 27, Figs. 3–6) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0011/01 (Figured in: BARON-SZABO (2003a: 124, Pl. 4, Figs. 1, 3–6) sub *Peplosmilia latona* (FELIX, 1903)).

## **Phyllastraea**

*Phyllastraea lobata* (REUSS, 1854) – FELIX (1903: 269) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (2), 1903/004/0079/01–02.

## **Phyllocoenia**

*Phyllocoenia corollaris* (REUSS, 1854) – FELIX (1903: 287) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0088/01 (Figured in: BARON-SZABO (2014a: 45, Pl. 47, Fig. 6) sub *Montastraera corollaris* (REUSS, 1854)).

*Phyllocoenia corollaris* (REUSS, 1854) – FELIX (1903: 287) – Turonian–Campanian, Gosau, Upper Austria, R (3), 1903/004/0088/02–04.

*Phyllocoenia* cf. *corollaris* (REUSS, 1854) – FELIX (1903: 287) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0088/05.

*Phyllocoenia exsculpta* (REUSS, 1854) – FELIX (1903: 291) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0091/01.

*Phyllocoenia exsculpta* (REUSS, 1854) – FELIX (1903: 291) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0091/02.

*Phyllocoenia exsculpta* (REUSS, 1854) – FELIX (1903: 291) – Santonian, Rechen/Gams, Hieflau, Styria, R, 1903/004/0091/03.

*Phyllocoenia lepida* (REUSS, 1854) – FELIX (1903: 293) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0092/01.

*Phyllocoenia lepida* (REUSS, 1854) – FELIX (1903: 293) – Turonian–Campanian, Gosau, Upper Austria, R (3), 1903/004/0092/02–04.

*Phyllocoenia lepida* (REUSS, 1854) – FELIX (1903: 293) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0092/07.

*Phyllocoenia lepida* (REUSS, 1854) – FELIX (1903: 293) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0092/09.

*Phyllocoenia* cf. *lepida* (REUSS, 1854) – FELIX (1903: 293) – Turonian–Campanian, Gosau, Upper Austria, R (2), 1903/004/0092/05–06.

*Phyllocoenia* cf. *lepida* (REUSS, 1854) – FELIX (1903: 293) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0092/08.

*Phyllocoenia lilli* REUSS, 1854 – FELIX (1903: 290) – upper Santonian, Neffgraben, Gosau, Salzburg, R (2), 1903/004/0090/01, 03.

*Phyllocoenia lilli* REUSS, 1854 – FELIX (1903: 290) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0090/02 (Syntype of *Phyllocoenia lilli* REUSS (1854: 99)).

*Phyllocoenia lilli* REUSS, 1854 – FELIX (1903: 290) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0090/04.

*Phyllocoenia lilli* REUSS, 1854 – FELIX (1903: 290) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R (4), 1903/004/0090/05–08.

*Phyllocoenia lilli* REUSS, 1854 – FELIX (1903: 290) – Upper Cretaceous, Zeller See, Upper Austria, R, 1903/004/0090/09.

*Phyllocoenia lilli* REUSS, 1854 – REUSS (1854: 99) – Turonian–Campanian, Gosau, Upper Austria, S, 1903/004/0089/04 (Reference material in: FELIX (1903: 289) sub *Phyllocoenia pediculata* (DESHAYES, 1831)).

*Phyllocoenia lilli* REUSS, 1854 – REUSS (1854: 99) – upper Santonian, Neffgraben, Gosau, Salzburg, S, 1903/004/0090/02 (Reference material in: FELIX (1903: 290) sub *Phyllocoenia lilli* REUSS, 1854).

*Phyllocoenia pediculata* (DESHAYES, 1831) – FELIX (1903: 289) – Turonian–Campanian, Gosau Valley, Upper Austria, R (2), 1903/004/0089/01, 03.

*Phyllocoenia pediculata* (DESHAYES, 1831) – FELIX (1903: 289) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0089/02.

*Phyllocoenia pediculata* (DESHAYES, 1831) – FELIX (1903: 289) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0089/04 (Syntype of *Phyllocoenia lilli* REUSS (1854: 99)).

*Phyllocoenia pediculata* (DESHAYES, 1831) – FELIX (1903: 289) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0089/05.

*Phyllocoenia* cf. *pediculata* (DESHAYES, 1831) – FELIX (1903: 289) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0089/06.

## *Phyllosmilia*

*Phyllosmilia aegiale* FELIX, 1903 – FELIX (1903: 346) – Turonian–Campanian, Gosau Valley, Upper Austria, S, 1903/004/0124/01 (Paralectotype through lectotype designation in: BEAUVAIS (1982, part 1: 150) sub *Phyllosmilia aegiale* FELIX, 1903).

*Phyllosmilia aegiale* FELIX, 1903 – FELIX (1903: 346) – Turonian–Campanian, Gosau, Upper Austria, S, 1903/004/0124/02 (Paralectotype through lectotype designation in: BEAUVAIS (1982, part 1: 150) sub *Phyllosmilia aegiale* FELIX, 1903).

*Phyllosmilia aegiale* FELIX, 1903 – BARON-SZABO (1999: 453), upper Turonian, Weissenbachalm, Styria, R (7), 1999/089/0014/01–02, 04–08.

*Phyllosmilia aegiale* FELIX, 1903 – BARON-SZABO (1999: 453, Pl. 5, Fig. 4) – upper Turonian, Weissenbachalm, Styria, F, 1999/089/0014/03.

*Phyllosmilia aegiale* FELIX, 1903 – BEAUVAIS (1982, part 1: 150) – Turonian–Campanian, Gosau, Upper Austria, PL, 1903/004/0124/02 (Syntype of *Phyllosmilia aegiale* FELIX (1903: 346)).

*Phyllosmilia aegiale* FELIX, 1903 – BEAUVAIS (1982, part 1: 150) – Turonian–Campanian, Gosau Valley, Upper Austria, PL, 1903/004/0124/01 (Syntype of *Phyllosmilia aegiale* FELIX (1903: 346)).

*Phyllosmilia didymophila* (FELIX, 1903) – BARON-SZABO (1999: 451), upper Turonian, Weissenbachalm, Styria, R, 1999/089/0009/02.

*Phyllosmilia didymophila* (FELIX, 1903) – BARON-SZABO (1999: 451), upper Turonian, Weissenbachalm, Styria, R, 1999/089/0013/01.

*Phyllosmilia didymophila* (FELIX, 1903) – BARON-SZABO (1999: 451, Pl. 5, Fig. 5) – upper Turonian, Weissenbachalm, Styria, F, 1999/089/0013/02.

*Phyllosmilia didymophila* (FELIX, 1903) – BARON-SZABO (2003a: 129) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R, 2003/023/0015/01 (Figured in: BARON-SZABO (2014a: 42, Pl. 38, Fig. 1) sub *Phyllosmilia didymophila* (FELIX, 1903)).

*Phyllosmilia didymophila* (FELIX, 1903) – BARON-SZABO (2003a: 129) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R (14), 2003/023/0015/02–07, 09–15, 31.

*Phyllosmilia didymophila* (FELIX, 1903) – BARON-SZABO (2003a: 129, Pl. 13, Figs. 1–3, 5) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0015/08 (Figured in: BARON-SZABO (2014a: 42, Pl. 38, Figs. 2–3) sub *Phyllosmilia didymophila* (FELIX, 1903)).

*Phyllosmilia didymophila* (FELIX, 1903) – BARON-SZABO (2003a: 129) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R (11), 2003/023/0015/16–25, 28.

*Phyllosmilia didymophila* (FELIX, 1903) – BARON-SZABO (2003a: 129) – Santonian, Gosau, Grabenbach, Upper Austria, R (2), 2003/023/0015/26–27.

*Phyllosmilia didymophila* (FELIX, 1903) – BARON-SZABO (2003a: 129, Pl. 14, Figs. 4–11) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0015/29.

*Phyllosmilia didymophila* (FELIX, 1903) – BARON-SZABO (2003a: 129, Pl. 15, Figs. 1–6) – Santonian, Gosau, Grabenbach, Upper Austria, F, 2003/023/0015/30.

*Phyllosmilia didymophila* (FELIX, 1903) – BARON-SZABO (2014a: 42, Pl. 38, Fig. 1) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0015/01 (Reference material in: BARON-SZABO (2003a: 129) sub *Phyllosmilia didymophila* (FELIX, 1903)).

*Phyllosmilia didymophila* (FELIX, 1903) – BARON-SZABO (2014a: 42, Pl. 38, Figs. 2–3) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0015/08 (Figured in: BARON-SZABO (2003a: 129, Pl. 13, Figs. 1–3, 5) sub *Phyllosmilia didymophila* (FELIX, 1903)).

*Phyllosmilia diversicostata* FELIX, 1903 – BARON-SZABO (2002: 68, Pl. 47, Fig. 1) – Turonian–Campanian, Gosau Valley, Upper Austria, F, 1903/004/0122/01 (Syntype of *Phyllosmilia diversicostata* FELIX (1903: 342)).

*Phyllosmilia diversicostata* FELIX, 1903 – FELIX (1903: 342) – Turonian–Campanian, Gosau Valley, Upper Austria, S, 1903/004/0122/01 (Figured in: BARON-SZABO (2002: 68, Pl. 47, Fig. 1) sub *Phyllosmilia diversicostata* FELIX, 1903).

*Phyllosmilia diversicostata* FELIX, 1903 – FELIX (1903: 342) – Turonian–Campanian, Gosau Valley, Upper Austria, S, 13, 1903/004/0122/02, 10–12, 15–18, 21–25.

*Phyllosmilia felixi* BEAUVAIS, 1982 – BEAUVAIS (1982, part 1: 152, Pl. 12, Fig. 6) – Santonian, Randograbens, Rußbach am Paß Gschütt, Salzburg, Hd, 1903/004/0117 (Figured in: FELIX (1903: 332, Pl. 18, Figs. 7, 7a) sub *Trochosmilia* cf. *didymophila* (FELIX, 1903)).

*Phyllosmilia transiens* FELIX, 1899 – BARON-SZABO (2014a: 42, Pl. 37, Figs. 3–4) – upper Turonian–Campanian, Gosau, Upper Austria, F, 1903/004/0123/07 (Reference material in: REUSS (1854: 85) sub *Trochosmilia basochesi* (DEFRANCE, 1828) and syntype of *Phyllosmilia transiens* FELIX (1899: 344)).

*Phyllosmilia transiens* FELIX, 1899 – BEAUVAIS (1982, part 1: 159, Pl. 13, Fig. 2) – Turonian–Campanian, Gosau, Upper Austria, F, 1903/004/0123/01 (Syntype of *Phyllosmilia transiens* FELIX (1899: 344, Pl. 18, Figs. 3, 3a)).

*Phyllosmilia transiens* FELIX, 1899 – FELIX (1899: 378) – upper Turonian–Campanian, Gosau, Upper Austria, S, 1854/007/0013 (Figured in: REUSS (1854: 85, Pl. 2, Fig. 2) sub *Trochosmilia basochesi* (DEFRANCE, 1828), reference material in: FELIX (1903: 345) sub *Phyllosmilia transiens* FELIX nov. sp.).

*Phyllosmilia transiens* FELIX, 1899 – FELIX (1903: 345) – upper Turonian–Campanian, Gosau, Upper Austria, R, 1854/007/0013 (Figured in: REUSS (1854: 85, Pl. 2, Fig. 2) sub *Trochosmilia basochesi* (DEFRANCE, 1828), syntype of *Phyllosmilia transiens* FELIX (1899: 378)).

*Phyllosmilia transiens* FELIX, 1899 – FELIX (1903: 344, Pl. 18, Figs. 3, 3a) – Turonian–Campanian, Gosau, Upper Austria, S, 1903/004/0123/01 (Figured in: BEAUVAIS (1982, part 1: 159, Pl. 13, Fig. 2) sub *Phyllosmilia transiens* FELIX, 1899).

*Phyllosmilia transiens* FELIX, 1899 – FELIX (1903: 344) – Turonian–Campanian, Gosau Valley, Upper Austria, S, 1903/004/0123/02 (Reference material in: REUSS (1854: 85) sub *Trochosmilia basochesi* (DEFRANCE, 1828)).

*Phyllosmilia transiens* FELIX, 1899 – FELIX (1903: 344) – Turonian–Campanian, Gosau Valley, Upper Austria, S, 1903/004/0123/03 (Reference material in: REUSS (1854: 85) sub *Trochosmilia basochesi* (DEFRANCE, 1828)).

*Phyllosmilia transiens* FELIX, 1899 – FELIX (1903: 344) – Turonian–Campanian, Gosau, Upper Austria, S, 1903/004/0123/04 (Reference material in: REUSS (1854: 85) sub *Trochosmilia basochesi* (DEFRANCE, 1828)).

*Phyllosmilia transiens* FELIX, 1899 – FELIX (1903: 344) – Turonian–Campanian, Gosau, Upper Austria, S (7), 1903/004/0123/05–06, 08–09, 11, 13–14.

*Phyllosmilia transiens* FELIX, 1899 – FELIX (1899: 344) – upper Turonian–Campanian, Gosau, Upper Austria, S, 1903/004/0123/07 (Reference material in: REUSS (1854: 85) sub *Trochosmilia basochesi* (DEFRANCE, 1828) and figured in: BARON-SZABO (2014a: 42, Pl. 37, Figs. 3–4) sub *Phyllosmilia transiens* FELIX, 1899).

*Phyllosmilia transiens* FELIX, 1899 – FELIX (1903: 344) – Coniacian–Santonian, Hohe Traunwand, Rußbach am Paß Gschütt, Salzburg, S (2), 1903/004/0123/19–20.

### *Placocoenia*

*Placocoenia dumortieri* DE FROMENTEL, 1864 – FELIX (1903: 297) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0095/01 (Figured in: BARON-SZABO (2014a: 28, Pl. 14, Figs. 1–2) sub *Neocoenia lepida* (REUSS, 1854)).

*Placocoenia dumortieri* DE FROMENTEL, 1864 – FELIX (1903: 297) – Turonian–Campanian, Gosau Valley, Upper Austria, R (2), 1903/004/0095/02, 04.

*Placocoenia dumortieri* DE FROMENTEL, 1864 – FELIX (1903: 297) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0095/03.

*Placocoenia dumortieri* DE FROMENTEL, 1864 – FELIX (1903: 297) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (2), 1903/004/0095/05–06.

*Placocoenia* cf. *irregularis* REUSS, 1854 – FELIX (1903: 300, Text-Fig. 51) – upper Santonian, Neffgraben, Gosau, Salzburg, F, 1903/004/0097 (Figured in: BARON-SZABO (2014a: 48, Pl. 50, Figs. 5–6) sub *Barysmilia* cf. *irregularis* (REUSS, 1854)).

*Placocoenia major* FELIX, 1903 – BARON-SZABO (1999: 446) – upper Santonian, Weissenbachalm, Styria, R, 1999/089/0004/01.

*Placocoenia major* FELIX, 1903 – BARON-SZABO (1999: 446, Pl. 1, Fig. 5, Pl. 2, Figs. 1, 3) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0004/02 (Figured in: BARON-SZABO (2014a: 28, Pl. 13, Figs. 1–3) sub *Placocoenia major* FELIX, 1903).

*Placocoenia major* FELIX, 1903 – BARON-SZABO (2014a: 28, Pl. 12, Fig. 4) – Turonian–Campanian, Gosau Valley, Upper Austria, F, 1903/004/0096/01 (Syntype of *Placocoenia major* FELIX (1903: 298)).

*Placocoenia major* FELIX, 1903 – BARON-SZABO (2014a: 28, Pl. 13, Figs. 1–3) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0004/02 (Figured in: BARON-SZABO (1999: 446, Pl. 1, Fig. 5, Pl. 2, Figs. 1, 3) sub *Placocoenia major* FELIX, 1903).

*Placocoenia major* FELIX, 1903 – BEAUVAIS (1982, part 1: 111) – upper Santonian, Neffgraben, Gosau, Salzburg, ?R, 1903/004/0096/03 (Syntype of *Placocoenia major* FELIX (1903: 298)).

*Placocoenia major* FELIX, 1903 – FELIX (1903: 298) – Turonian–Campanian, Gosau Valley, Upper Austria, S, 1903/004/0096/01 (Figured in: BARON-SZABO (2014a: 28, Pl. 12, Fig. 4) sub *Placocoenia major* FELIX, 1903).

*Placocoenia major* FELIX, 1903 – FELIX (1903: 298) – Turonian–Campanian, Gosau, Upper Austria, S, 1903/004/0096/02.

*Placocoenia major* FELIX, 1903 – FELIX (1903: 298) – upper Santonian, Neffgraben, Gosau, Salzburg, S, 1903/004/0096/03 (?Reference material in: BEAUVAIS (1982, part 1: 111) sub *Placocoenia major* FELIX, 1903).

*Placocoenia orbignyana* REUSS, 1854 – FELIX (1903: 296) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0094/01.

*Placocoenia orbignyana* REUSS, 1854 – FELIX (1903: 296) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0094/02.

*Placocoenia orbignyana* REUSS, 1854 – FELIX (1903: 296) – upper Santonian, Neffgraben, Gosau, Salzburg, R (3), 1903/004/0094/03–05.

*Placocoenia orbignyana* REUSS, 1854 – FELIX (1903: 296) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (3), 1903/004/0094/06–08.

*Placocoenia orbignyana* REUSS, 1854 – REUSS (1854: 99) – Turonian–Campanian, Gosau, Upper Austria, S (2), 2012/092/0112.

### *Placohelia*

*Placohelia bigemmis* FELIX, 1903 – FELIX (1903: 325) – Coniacian–Santonian, Hofergraben, Gosau, Upper Austria, S, 1903/004/0113/01 (Figured in: BARON-SZABO (2002: 124, Pl. 85, Fig. 2) and BARON-SZABO (2014a: 60, Pl. 67, Figs. 4, 5, 9) sub *Ogilviastraea bigemmis* (FELIX, 1903)).

*Placohelia bigemmis* FELIX, 1903 – FELIX (1903: 325) – Turonian–Campanian, Gosau, Upper Austria, S, 1903/004/0113/02.

### *Placosmilia*

*Placosmilia angusta* REUSS, 1854 – REUSS (1854: 84) – Turonian–Campanian, Gosau, Upper Austria, S, 12, 1903/004/0087/01–12 (Reference material in: FELIX (1903: 287) sub *Platysmilia angusta* (REUSS, 1854)).

*Placosmilia arcuata* MILNE EDWARDS & HAIME, 1848b – BARON-SZABO (2002: 42, Pl. 34, Figs. 2–3) – Turonian–Campanian, Gosau Valley, Upper Austria, F, 1903/004/0121/01 (Reference material in: FELIX (1903: 339) and figured in: BARON-SZABO (2014a: 34, Pl. 25, Figs. 4–5) sub *Placosmilia arcuata* MILNE EDWARDS & HAIME, 1848b).

*Placosmilia arcuata* MILNE EDWARDS & HAIME, 1848b – BARON-SZABO (2014a: 34, Pl. 25, Figs. 4–5) – Turonian–Campanian, Gosau Valley, Upper Austria, F, 1903/004/0121/01 (Reference material in: FELIX (1903: 339) and figured in: BARON-SZABO (2002: 42, Pl. 34, Figs. 2–3) sub *Placosmilia arcuata* MILNE EDWARDS & HAIME, 1848b).

- Placosmilia arcuata* MILNE EDWARDS & HAIME, 1848b – FELIX (1899: 382) – Turonian–Campanian, Gosau, Upper Austria, R, 1854/007/0014 (Syntype of *Trochosmilia inflexa* REUSS (1854: 86, Pl. 5, Fig. 5), reference material in: FELIX (1903: 339) sub *Placosmilia arcuata* MILNE EDWARDS & HAIME, 1848b and figured in: BARON-SZABO (2002: 71, Pl. 52, Figs. 4–5) and BARON-SZABO (2014a: 44, Pl. 46, Figs. 2–3) sub *Rennensismilia inflexa* (REUSS, 1854)).
- Placosmilia arcuata* MILNE EDWARDS & HAIME, 1848b – FELIX (1903: 339) – Turonian–Campanian, Gosau, Upper Austria, R, 1854/007/0014 (Syntype of *Trochosmilia inflexa* REUSS (1854: 86, Pl. 5, Fig. 5), reference material in: FELIX (1899: 382) sub *Placosmilia arcuata* MILNE EDWARDS & HAIME, 1848b and figured in: BARON-SZABO (2002: 71, Pl. 52, Figs. 4–5) and BARON-SZABO (2014a: 44, Pl. 46, Figs. 2–3) sub *Rennensismilia inflexa* (REUSS, 1854)).
- Placosmilia arcuata* MILNE EDWARDS & HAIME, 1848b – FELIX (1903: 339) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0121/01 (Figured in: BARON-SZABO (2002: 42, Pl. 34, Figs. 2–3) and BARON-SZABO (2014a: 34, Pl. 25, Figs. 4–5) sub *Placosmilia arcuata* MILNE EDWARDS & HAIME, 1848b).
- Placosmilia arcuata* MILNE EDWARDS & HAIME, 1848b – FELIX (1903: 339) – Turonian–Campanian, Gosau Valley, Upper Austria, R (3), 1903/004/0121/02–03, 09.
- Placosmilia arcuata* MILNE EDWARDS & HAIME, 1848b – FELIX (1903: 339) – Turonian–Campanian, Gosau, Upper Austria, R (6), 1903/004/0121/04–08, 10.
- Placosmilia arcuata* MILNE EDWARDS & HAIME, 1848b – FELIX (1903: 339) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (2), 1903/004/0121/11–12.
- Placosmilia arcuata* MILNE EDWARDS & HAIME, 1848b – FELIX (1903: 339) – Coniacian–Santonian, Hohe Traunwand, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0121/13.
- Placosmilia arcuata* MILNE EDWARDS & HAIME, 1848b – FELIX (1903: 339) – Turonian–Campanian, ?Gosau, Upper Austria, R, 1903/004/0121/14.
- Placosmilia cuneiformis* MILNE EDWARDS & HAIME, 1848b – FELIX (1903: 337) – Turonian–Campanian, Gosau Valley, Upper Austria, R (18), 1903/004/0120/01–18 (Reference material in: REUSS (1854: 83) sub *Placosmilia cuneiformis* MILNE EDWARDS & HAIME, 1848b).
- Placosmilia cuneiformis* MILNE EDWARDS & HAIME, 1848b – FELIX (1903: 337) – Turonian–Campanian, Gosau Valley, Upper Austria, R (8), 1903/004/0120/19–25, 38.
- Placosmilia cuneiformis* MILNE EDWARDS & HAIME, 1848b – FELIX (1903: 337) – Turonian–Campanian, Gosau, Upper Austria, R (12), 1903/004/0120/26–37.
- Placosmilia cuneiformis* MILNE EDWARDS & HAIME, 1848b – FELIX (1903: 337) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (2), 1903/004/0120/39–40.
- Placosmilia cuneiformis* MILNE EDWARDS & HAIME, 1848b – FELIX (1903: 337) – Turonian–Campanian, ?Gosau, Upper Austria, R, 1903/004/0120/41.
- Placosmilia cuneiformis* MILNE EDWARDS & HAIME, 1848b – REUSS (1854: 83) – Turonian–Campanian, Gosau Valley, Upper Austria, R (18), 1903/004/0120/01–18 (Reference material in: FELIX (1903: 337) sub *Placosmilia cuneiformis* MILNE EDWARDS & HAIME, 1848b).
- Placosmilia fenestrata* (FELIX, 1903) – BARON-SZABO (2003a: 126) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R, 2003/023/0013/01.
- Placosmilia fenestrata* (FELIX, 1903) – BARON-SZABO (2003a: 126, Pl. 6, Fig. 2) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0013/02.
- Placosmilia fenestrata* (FELIX, 1903) – BEAUVAIS (1982, part 1: 59, Pl. 59, Fig. 5) – Upper Cretaceous, Zeller See, Upper Austria, PL, 1903/004/0061/02 (Syntype of *Lasmogyra fenestrata* FELIX (1903: 246, Pl. 21, Fig. 7)).
- Placosmilia fenestrata* (FELIX, 1903) – BEAUVAIS (1982, part 1: 59, Pl. 59, Fig. 6) – Upper Cretaceous, Zeller See, Upper Austria, PL, 1903/004/0061/03 (Syntype of *Lasmogyra fenestrata* FELIX (1903: 246, Pl. 21, Fig. 8)).
- Placosmilia fenestrata* (FELIX, 1903) – BEAUVAIS (1982, part 1: 68) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, PL (7), 1903/004/0061/04–10 (Syntypes of *Lasmogyra fenestrata* FELIX (1903: 246)).
- Placosmilia fenestrata* (FELIX, 1903) – BEAUVAIS (1982, part 1: 68, Pl. 4, Fig. 4) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, L, 1903/004/0061/11/01 (Syntype in: FELIX (1903: 246, Pl. 21, Figs. 6, 6a) sub *Lasmogyra fenestrata* (FELIX, 1903)).
- Placosmilia gracilis* (FELIX, 1903) – BARON-SZABO (2014a: 34, Pl. 24, Figs. 1–2) – upper Turonian–Campanian, Gosau Valley, Upper Austria, F, 1903/004/0062/01 (Syntype in: FELIX (1903: 246) sub *Lasmogyra gracilis* FELIX, 1903).
- Placosmilia gracilis* (FELIX, 1903) – BARON-SZABO (2014a: 34, Pl. 24, Figs. 4–5) – upper Santonian, Neffgraben, Gosau, Salzburg, F, 1903/004/0062/02 (Syntype in: FELIX (1903: 246) sub *Lasmogyra gracilis* FELIX, 1903).
- Placosmilia gracilis* (FELIX, 1903) – BEAUVAIS (1982, part 1: 66, Pl. 59, Fig. 7) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, F, 1903/004/0062/03 (Syntype in: FELIX (1903: 246, Pl. 21, Figs. 4, 4a–b) sub *Lasmogyra gracilis* FELIX, 1903).
- Placosmilia martini* (MICHELIN, 1847) – BARON-SZABO (2003a: 125) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R (10), 2003/023/0012/01, 03–06, 08, 13–16.
- Placosmilia martini* (MICHELIN, 1847) – BARON-SZABO (2003a: 125, Pl. 6, Fig. 6, Pl. 7, Figs. 2, 4, 6) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0012/02 (Figured in: BARON-SZABO (2014a: 34, Pl. 26, Figs. 3–5) sub *Placosmilia martini* (MICHELIN, 1847)).
- Placosmilia martini* (MICHELIN, 1847) – BARON-SZABO (2014a: 34, Pl. 26, Figs. 3–5) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0012/02 (Figured in: BARON-SZABO (2003a: 125, Pl. 6, Fig. 6, Pl. 7, Figs. 2, 4, 6) sub *Placosmilia martini* (MICHELIN, 1847)).
- Placosmilia martini* (MICHELIN, 1847) – BARON-SZABO (2003a: 125, Pl. 6, Figs. 1, 3, 4, 7) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0012/07.
- Placosmilia martini* (MICHELIN, 1847) – BARON-SZABO (2003a: 125, Pl. 5, Figs. 1, 3) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0012/09.

- Placosmilia martini* (MICHELIN, 1847) – BARON-SZABO (2003a: 125, Pl. 5, Fig. 2) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0012/10.
- Placosmilia martini* (MICHELIN, 1847) – BARON-SZABO (2003a: 125, Pl. 5, Fig. 4) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0012/11.
- Placosmilia martini* (MICHELIN, 1847) – BARON-SZABO (2003a: 125, Pl. 5, Figs. 5, 8) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0012/12.
- Placosmilia martini* (MICHELIN, 1847) – BARON-SZABO (2003a: 125) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R (4), 2003/023/0012/17, 19–20, 22.
- Placosmilia martini* (MICHELIN, 1847) – BARON-SZABO (2003a: 125, Pl. 9, Figs. 7, 8, 10) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0012/18 (Figured in: BARON-SZABO (2002: 52, Pl. 35, Fig. 2) sub *Placosmilia martini* (MICHELIN, 1847)).
- Placosmilia martini* (MICHELIN, 1847) – BARON-SZABO (2002: 52, Pl. 35, Fig. 2) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0012/18 (Figured in: BARON-SZABO (2003a: 125, Figs. 7, 8, 10) sub *Placosmilia martini* (MICHELIN, 1847)).
- Placosmilia martini* (MICHELIN, 1847) – BARON-SZABO (2003a: 125, Pl. 5, Fig. 7) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0012/21.
- Placosmilia martini* (MICHELIN, 1847) – BARON-SZABO (2003a: 125, Pl. 9, Fig. 9) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0012/23.
- Placosmilia martini* (MICHELIN, 1847) – BARON-SZABO (2003a: 125, Pl. 6, Fig. 5) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0012/24.
- Placosmilia occitanica* (MICHELIN, 1847) – BEAUVAIS (1982, part 1: 61, Pl. 59, Fig. 1) – Turonian–Campanian, Gosau, Upper Austria, F, 1903/004/0064/01 (Reference material in: REUSS (1854: 92) sub *Rhipidogyra occitanica* (MICHELIN, 1847) and figured in: FELIX (1903: 248, Pl. 21, Fig. 1) sub *Rhipidogyra occitanica* (MICHELIN, 1847)).
- Placosmilia occitanica* (MICHELIN, 1847) – BEAUVAIS (1982, part 1: 61, Pl. 59, Fig. 2) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, F, 1903/004/0064/02 (Figured in: FELIX (1903: 248, Pl. 21, Fig. 3) sub *Lasmogyra occitanica* (MICHELIN, 1847)).
- Placosmilia sinuosa* (REUSS, 1854) – BARON-SZABO (2014a: 34, Pl. 26, Figs. 1, 2) – Turonian–Campanian, Gosau Valley, Upper Austria, F, 1903/004/0102/03 (Syntype of *Stenogyra sinuosa* FELIX (1903: 307)).
- Placosmilia sinuosa* (REUSS, 1854) – BEAUVAIS (1982, part 1: 63, Pl. 59, Fig. 4) – Turonian–Campanian, Gosau, Upper Austria, F, 1903/004/0065/01 (Figured in: FELIX (1903: 249, Pl. 21, Fig. 5) sub *Lasmogyra sinuosa* (REUSS, 1854)).
- Placosmilia tortuosa* (FELIX, 1903) – BARON-SZABO (2014a: 34, Pl. 25, Figs. 1–2) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, F, 1903/004/0063/01 (Syntype of *Lasmogyra tortuosa* FELIX (1903: 247) and reference material in: BEAUVAIS (1982, part 1: 65) sub *Placosmilia turonensis* (DE FROMENTEL, 1877)).
- Placosmilia tortuosa* (FELIX, 1903) – BARON-SZABO (2014a: 34, Pl. 25, Fig. 3) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, F, 1903/004/0063/02 (Syntype of *Lasmogyra tortuosa* FELIX (1903: 247) and reference material in: BEAUVAIS (1982, part 1: 65) sub *Placosmilia turonensis* (DE FROMENTEL, 1877)).
- Placosmilia turonensis* (DE FROMENTEL, 1873) – BARON-SZABO (1999: 447) – upper Santonian, Weissenbachalm, Styria, R, 1999/089/0006/01, 03–05.
- Placosmilia turonensis* (DE FROMENTEL, 1873) – BARON-SZABO (1999: 447) – upper Turonian, Weissenbachalm, Styria, R, 1999/089/0009/02.
- Placosmilia turonensis* (DE FROMENTEL, 1873) – BARON-SZABO (2014a: 34, Pl. 24, Fig. 3) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0006/02 (Figured in: BARON-SZABO (1999: 447, Pl. 5, Fig. 2) sub *Astrogyra orbigny* (DE FROMENTEL, 1873)).
- Placosmilia turonensis* (DE FROMENTEL, 1877) – BEAUVAIS (1982, part 1: 65) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R, 1903/004/0063/01 (Syntype of *Lasmogyra tortuosa* FELIX (1903: 247) and figured in: BARON-SZABO (2014a: 34, Pl. 25, Figs. 1–2) sub *Placosmilia tortuosa* (FELIX, 1903)).
- Placosmilia turonensis* (DE FROMENTEL, 1877) – BEAUVAIS (1982, part 1: 65) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R, 1903/004/0063/02 (Syntype of *Lasmogyra tortuosa* FELIX (1903: 247) and figured in: BARON-SZABO (2014a: 34, Pl. 25, Fig. 3) sub *Placosmilia tortuosa* (FELIX, 1903)).
- Placosmilia turonensis* (DE FROMENTEL, 1877) – BEAUVAIS (1982, part 1: 65) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R, 1903/004/0063/03 (Syntype of *Lasmogyra tortuosa* FELIX (1903: 247)).

### *Platysmilia*

- Platysmilia angusta* (REUSS, 1854) – FELIX (1903: 287) – Turonian–Campanian, Gosau, Upper Austria, R (12), 1903/004/0087/01–12 (Syntypes of *Platysmilia angusta* REUSS (1854: 84)).
- Platysmilia angusta* (REUSS, 1854) – FELIX (1903: 287) – Turonian–Campanian, Gosau, Upper Austria, R (4), 1903/004/0087/13, 16–17, 26.
- Platysmilia angusta* (REUSS, 1854) – FELIX (1903: 287) – Turonian–Campanian, Gosau Valley, Upper Austria, R (13), 1903/004/0087/14–15, 18–25, 27–29.
- Platysmilia angusta* (REUSS, 1854) – FELIX (1903: 287) – ?upper Santonian, Gosau Valley, probably Brunstloch, Upper Austria, R, 1903/004/0087/30.
- Platysmilia angusta* (REUSS, 1854) – FELIX (1903: 287) – Upper Cretaceous, Zeller See, Upper Austria, R, 1903/004/0087/32.
- Platysmilia* cf. *angusta* (REUSS, 1854) – FELIX (1903: 287) – Santonian, Randograb, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0087/31.

*Platysmilia multincincta* (REUSS, 1854) – FELIX (1903: 285) – Turonian–Campanian, Gosau Valley, Upper Austria, R (3), 1903/004/0086/01–03.

*Platysmilia multincincta* (REUSS, 1854) – FELIX (1903: 285) – Turonian–Campanian, Gosau, Upper Austria, R (2), 1903/004/0086/04–05.

*Platysmilia multincincta* (REUSS, 1854) – FELIX (1903: 285) – upper Santonian, Scharregraben, Markt Piesting, Lower Austria, R (4), 1903/004/0086/06–09 (Syntype of *Calamophyllia multincincta* REUSS (1854: 105)).

### ***Pleurocora***

*Pleurocora* cf. *alternans* MILNE EDWARDS & HAIME, 1848a – BARON-SZABO (1999: 455) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0006/02.

*Pleurocora* cf. *alternans* MILNE EDWARDS & HAIME, 1848a – BARON-SZABO (1999: 455) – upper Santonian–Campanian, Weissenbachalm, Styria, R, 1999/089/0017/01.

*Pleurocora haueri* MILNE EDWARDS & HAIME, 1849 – FELIX (1903: 267) – Turonian–Campanian, Gosau Valley, Upper Austria, R (61), 1903/004/0076/01–03.

*Pleurocora haueri* MILNE EDWARDS & HAIME, 1849 – FELIX (1903: 267) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0076/04.

*Pleurocora haueri* MILNE EDWARDS & HAIME, 1849 – FELIX (1903: 267) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (17), 1903/004/0076/05.

*Pleurocora rudis* REUSS, 1854 – REUSS (1854: 113) – Turonian–Campanian, Gosau, Upper Austria, S, 21, 2012/092/0118.

### ***Polytremacis***

*Polytremacis blainvilleana* (MICHELIN, 1847) – FELIX (1903: 356) – Turonian–Campanian, Gosau, Upper Austria, R (2), 1903/004/0133/01–02.

*Polytremacis blainvilleana* (MICHELIN, 1847) – FELIX (1903: 356) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (2), 1903/004/0133/03–04.

*Polytremacis blainvilleana* (MICHELIN, 1847) – FELIX (1903: 356) – upper Santonian, Neffgraben, Gosau, Salzburg, R (3), 1903/004/0133/05–07.

*Polytremacis partschi* REUSS, 1854 – BARON-SZABO (2003a: 146) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R (2), 2003/023/0037/01–02.

*Polytremacis partschi* REUSS, 1854 – REUSS (1854: 131) – Turonian–Campanian, Gosau Valley, Upper Austria, S (3), 2012/092/0119/01–03.

*Polytremacis partschi* REUSS, 1854 – REUSS (1854: 131) – upper Santonian, Neffgraben, Gosau, Salzburg, S (5), 2012/096/0032.

### ***Porites***

*Porites mammillata* REUSS, 1854 – REUSS (1854: 129) – (?upper) Santonian, Gosau, Randograben or Neffgraben, Up-

per Austria, S, 1854/007/0125 (Probably figured specimen in: FELIX (1903: 225, Text-Figs. 17, 18), figured in: BARON-SZABO (2002: 65, Pl. 44, Fig. 7) and lectotype in: BARON-SZABO (2014a: 40, Pl. 34, Figs. 1–3) sub *Mesomorpha mammillata* (REUSS, 1854)).

### ***Prionastraea* (= *Prionastrea*)**

*Prionastraea hoernesii* REUSS, 1854 – REUSS (1854: 115, Pl. 13, Figs. 7–8) – Turonian–Campanian, Gosau, Upper Austria, S, 1854/007/0086 (Reference material in: FELIX (1903: 272) sub *Isastraea hoernesii* (REUSS, 1854) and figured in: BARON-SZABO (2014a: 39, Pl. 33, Figs. 1–5) sub *Stephanaxophyllia hoernesii* (REUSS, 1854)).

### ***Pseudofavia***

*Pseudofavia grandiflora* (REUSS, 1854) – BARON-SZABO (2002: 107, Pl. 76, Figs. 2–3) – upper Santonian, Neffgraben, Gosau, Salzburg, F, 1903/004/0004/01 (Reference material in: FELIX (1903: 181) sub *Parastraea grandiflora* REUSS, 1854 and figured in: BARON-SZABO (2014a: 56, Pl. 64, Figs. 1–2) sub *Pseudofavia grandiflora* (REUSS, 1854)).

*Pseudofavia grandiflora* (REUSS, 1854) – BARON-SZABO (2014a: 86, Pl. 64, Figs. 1–2) – upper Santonian, Neffgraben, Gosau, Salzburg, F, 1903/004/0004/01 (Reference material in: FELIX (1903: 181) sub *Parastraea grandiflora* REUSS, 1854 and figured in: BARON-SZABO (2002: 107, Pl. 76, Figs. 2–3) sub *Pseudofavia grandiflora* (REUSS, 1854)).

### ***Psilogyra***

*Psilogyra telleri* FELIX, 1903 – BARON-SZABO (2014a: 49, Pl. 51, Figs. 3–6, Pl. 52, Figs. 4–5) – upper Santonian, Neffgraben, Gosau, Salzburg, F, 1903/004/0103 (Syntype of *Psilogyra telleri* FELIX (1903: 309)).

*Psilogyra telleri* FELIX, 1903 – FELIX (1903: 309) – upper Santonian, Neffgraben, Gosau, Salzburg, S, 1903/004/0103 (Figured in: BARON-SZABO (2014a: 49, Pl. 51, Figs. 3–6, Pl. 52, Figs. 4–5) sub *Psilogyra telleri* FELIX, 1903).

### ***Rennensismilia***

*Rennensismilia complanata* (GOLDFUSS, 1826) – BARON-SZABO (1999: 447) – upper Turonian, Weissenbachalm, Styria, R (3), 1999/089/0007/01, 03–04.

*Rennensismilia complanata* (GOLDFUSS, 1826) – BARON-SZABO (1999: 447, Text-Fig. 5, Pl. 6, Fig. 3) – upper Turonian, Weissenbachalm, Styria, F, 1999/089/0007/02 (Figured in: BARON-SZABO (2014a: 44, Pl. 47, Fig. 2) sub *Rennensismilia complanata* (GOLDFUSS, 1826)).

*Rennensismilia complanata* (GOLDFUSS, 1826) – BARON-SZABO (1999: 447) – upper Turonian, Weissenbachalm, Styria, R, 1999/089/0009/08.

*Rennensismilia complanata* (GOLDFUSS, 1826) – BARON-SZABO (2014a: 44, Pl. 47, Fig. 2) – upper Turonian, Weissenbachalm, Styria, F, 1999/089/0007/02 (Figured in: BARON-

SZABO (1999: 447, Text-Fig. 5, Pl. 6, Fig. 3) sub *Rennensismilia complanata* (GOLDFUSS, 1826)).

*Rennensismilia corbariensis* BEAUVAIS, 1982 – BEAUVAIS (1982, part 1: 240) – upper Santonian–Campanian, Muthmannsdorf, Lazarussteinbruch, Lower Austria, PT, 1903/004/0115/01 (Figured in FELIX (1903: 331, Pl. 18, Figs. 11, 11a) sub *Trochosmilia didyma* (GOLDFUSS, 1826)).

*Rennensismilia inflexa* (REUSS, 1854) – BARON-SZABO (1999: 447) – upper Turonian, Weissenbachalm, Styria, R (5), 1999/089/0008/01, 03–06.

*Rennensismilia inflexa* (REUSS, 1854) – BARON-SZABO (1999: 447, Pl. 2, Fig. 5, Pl. 4, Fig. 1) – upper Turonian, Weissenbachalm, Styria, F, 1999/089/0008/02 (Figured in BARON-SZABO (2002: 71, Pl. 53, Fig. 1) and BARON-SZABO (2014a: 44, Pl. 46, Fig. 4) sub *Rennensismilia inflexa* (REUSS, 1854)).

*Rennensismilia inflexa* (REUSS, 1854) – BARON-SZABO (2002: 71, Pl. 52, Figs. 4–5) – Turonian–Campanian, Gosau, Upper Austria, F, 1854/007/0014 (Syntype of *Trochosmilia inflexa* REUSS (1854: 86, Pl. 5, Fig. 5), reference material in: FELIX (1899: 382) and FELIX (1903: 339) sub *Placosmilia arcuata* MILNE EDWARDS & HAIME, 1848b and figured in: BARON-SZABO (2014a: 44, Pl. 46, Figs. 2–3) sub *Rennensismilia inflexa* (REUSS, 1854)).

*Rennensismilia inflexa* (REUSS, 1854) – BARON-SZABO (2002: 71, Pl. 53, Fig. 1) – upper Turonian, Weissenbachalm, Styria, F, 1999/089/0008/02 (Figured in: BARON-SZABO (2014a: 44, Pl. 46, Fig. 4) and BARON-SZABO (1999: 447, Pl. 2, Fig. 5, Pl. 4, Fig. 1) sub *Rennensismilia inflexa* (REUSS, 1854)).

*Rennensismilia inflexa* (REUSS, 1854) – BARON-SZABO (2014a: 44, Pl. 46, Figs. 2–3) – Turonian–Campanian, Gosau, Upper Austria, F, 1854/007/0014 (Syntype of *Trochosmilia inflexa* REUSS (1854: 86, Pl. 5, Fig. 5), reference material in: FELIX (1899: 382) and FELIX (1903: 339) sub *Placosmilia arcuata* MILNE EDWARDS & HAIME, 1848b and figured in: BARON-SZABO (2002: 71, Pl. 52, Figs. 4–5) sub *Rennensismilia inflexa* (REUSS, 1854)).

*Rennensismilia inflexa* (REUSS, 1854) – BARON-SZABO (2014a: 44, Pl. 46, Fig. 4) – upper Turonian, Weissenbachalm, Styria, F, 1999/089/0008/02 (Figured in: BARON-SZABO (1999: 447, Pl. 2, Fig. 5, Pl. 4, Fig. 1) and BARON-SZABO (2002: 71, Pl. 53, Fig. 1) sub *Rennensismilia inflexa* (REUSS, 1854)).

### ***Rhabdophyllia***

*Rhabdophyllia tenuicosta* REUSS, 1854 – REUSS (1854: 105) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, S (17), 2012/055/0088.

### ***Rhabdopsammia***

*Rhabdopsammia crucifera* (FELIX, 1903) – BARON-SZABO (2014a: 47, Pl. 49, Figs. 5–6) – Turonian–Campanian, Gosau, Upper Austria, F, 1903/004/0099/01 (Syntype of *Aplosmilia crucifera* FELIX (1903: 302, Pl. 23, Figs. 8, 8a) and lectotype in: BEAUVAIS (1982, part 2: 119, Pl. 60, Fig. 4) sub *Elasmogyra crucifera* (FELIX, 1903)).

*Rhabdopsammia crucifera* (FELIX, 1903) – BARON-SZABO (2014a: 47, Pl. 49, Figs. 1–2) – Turonian–Campanian, Gosau, Upper Austria, F, 1903/004/0099/02 (Syntype of *Aplosmilia crucifera* FELIX (1903: 302, Pl. 23, Fig. 9) and paralectotype in: BEAUVAIS (1982, part 2: 119, Pl. 60, Fig. 5) sub *Elasmogyra crucifera* (FELIX, 1903)).

*Rhabdopsammia crucifera* (FELIX, 1903) – BARON-SZABO (2014a: 47, Pl. 49, Figs. 3–4) – Turonian–Campanian, Gosau, Upper Austria, F, 1903/004/0099/03 (Syntype of *Aplosmilia crucifera* FELIX (1903: 302, Pl. 23, Figs. 10, 10a) and paralectotype in: BEAUVAIS (1982, part 2: 119, Pl. 60, Fig. 6) sub *Elasmogyra crucifera* (FELIX, 1903)).

*Rhabdopsammia* sp. – BARON-SZABO (1999: 453) – upper Santonian–Campanian, Weissenbachalm, Styria, R, 1999/089/0015/01.

*Rhabdopsammia* sp. – BARON-SZABO (1999: 453, Pl. 2, Fig. 4, Pl. 8, Fig. 2) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0015/02 (Figured in: BARON-SZABO (2002: 366, Pl. 56, Fig. 5) and BARON-SZABO (2014a: 46, Pl. 48, Figs. 4–5) sub *Rhabdopsammia* sp.).

*Rhabdopsammia* sp. – BARON-SZABO (2002: 366, Pl. 56, Fig. 5) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0015/02 (Figured in: BARON-SZABO (1999: 453, Pl. 2, Fig. 4, Pl. 8, Fig. 2) and BARON-SZABO (2014a: 46, Pl. 48, Figs. 4–5) sub *Rhabdopsammia* sp.).

*Rhabdopsammia* sp. – BARON-SZABO (2014a: 46, Pl. 48, Figs. 4–5) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0015/02 (Figured in: BARON-SZABO (1999: 453, Pl. 2, Fig. 4, Pl. 8, Fig. 2) and BARON-SZABO (2002: 366, Pl. 56, Fig. 5) sub *Rhabdopsammia* sp.).

### ***Rhipidogyra***

*Rhipidogyra occitanica* (MICHELIN, 1847) – REUSS (1854: 92) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0064/01 (Figured in: FELIX (1903: 248, Pl. 21, Fig. 1) sub *Rhipidogyra occitanica* (MICHELIN, 1847) and in: BEAUVAIS (1982, part 1: 61, Pl. 59, Fig. 1) sub *Placosmilia occitanica* (MICHELIN, 1846)).

*Rhipidogyra occitanica* (MICHELIN, 1847) – REUSS (1854: 92) – Turonian–Campanian, Gosau, Upper Austria, R (2), 1903/004/0065/04–05 (Reference material in: FELIX (1903: 249) sub *Lasmogyra sinuosa* (REUSS, 1854)).

*Rhipidogyra undulata* REUSS, 1854 – FELIX (1903: 309) – Turonian–Campanian, Gosau, Upper Austria, R (3), 1903/004/0104/01–03 (Reference material in: BEAUVAIS (1982, part 1: 192) sub *Strotogyra undulata* (REUSS, 1854)).

*Rhipidogyra undulata* REUSS, 1854 – FELIX (1903: 309) – upper Santonian, Neffgraben, Gosau, Salzburg, R (2), 1903/004/0104/04–05 (Reference material in: BEAUVAIS (1982, part 1: 192) sub *Strotogyra undulata* (REUSS, 1854)).

*Rhipidogyra undulata* REUSS, 1854 – FELIX (1903: 309) – Upper Cretaceous, Zeller See, Upper Austria, R, 1903/004/0104/06.

*Rhipidogyra undulata* REUSS, 1854 – REUSS (1854: 93) – Santonian, Gosau, Upper Austria, S (5), 2012/092/0120.

*Rhipidogyra undulata* REUSS, 1854 – REUSS (1854: 93) – Turonian–Campanian, Gosau Valley, Upper Austria, S (7), 2012/092/0121–0122.

### **Rhizangia**

*Rhizangia sedgwicki* REUSS, 1854 – REUSS (1854: 121) – Turonian–Campanian, Gosau, Upper Austria, S (2), 2012/092/0123.

*Rhizangia sedgwicki* REUSS, 1854 – REUSS (1854: 121) – Turonian–Campanian, Gosau Valley, Upper Austria, S (3), 2012/092/0124.

### **Smilotrochus**

*Smilotrochus jacobi* ALLOITEAU, 1936 – BARON-SZABO (1999: 451) – upper Turonian, Weissenbachalm, Styria, R, 1999/089/0011/01.

*Smilotrochus jacobi* ALLOITEAU, 1936 – BARON-SZABO (1999: 451) – upper Turonian, Weissenbachalm, Styria, R, 1999/089/0011/02.

*Smilotrochus jacobi* ALLOITEAU, 1936 – BARON-SZABO (1999: 73, Pl. 4, Fig. 2) – upper Turonian, Weissenbachalm, Styria, F, 1999/089/0011/02 (Figured in: BARON-SZABO (2014a: 75, Pl. 79, Figs. 9–10) sub *Smilotrochus milneri* (GREGORY, 1898)).

*Smilotrochus jacobi* ALLOITEAU, 1936 – BARON-SZABO (1999: 451) – upper Turonian, Weissenbachalm, Styria, R (4), 1999/089/0011/03–06.

*Smilotrochus milneri* (GREGORY, 1898) – BARON-SZABO (2014a: 75, Pl. 79, Figs. 9–10) – upper Turonian, Weissenbachalm, Styria, F, 1999/089/0011/02 (Figured in: BARON-SZABO (1999: 451, Pl. 4, Fig. 2) sub *Smilotrochus jacobi* ALLOITEAU, 1936).

### **Stenogyra**

*Stenogyra sinuosa* FELIX, 1903 – FELIX (1903: 307, Pl. 21, Figs. 9, 9a–b) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, S, 1903/004/0102/01 (Lectotype in: BEAUVAIS (1982, part 1: 194, Pl. 59, Fig. 10) sub *Strotogyra sinuosa* (FELIX, 1903)).

*Stenogyra sinuosa* FELIX, 1903 – FELIX (1903: 307, Pl. 21, Fig. 11) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, S, 1903/004/0102/02 (Paralectotype in: BEAUVAIS (1982, part 1: 194, Pl. 60, Fig. 2) sub *Strotogyra sinuosa* (FELIX, 1903)).

*Stenogyra sinuosa* FELIX, 1903 – FELIX (1903: 307) – Turonian–Campanian, Gosau Valley, Upper Austria, S, 1903/004/0102/03 (Figured in: BARON-SZABO (2014a: 34, Pl. 26, Figs. 1, 2) sub *Placosmilia sinuosa* (REUSS, 1854)).

*Stenogyra sinuosa* FELIX, 1903 – FELIX (1903: 307) – Turonian–Campanian, Gosau Valley, Upper Austria, S, 1903/004/0102/04.

*Stenogyra sinuosa* FELIX, 1903 – FELIX (1903: 307) – Upper Cretaceous, Zeller See, Upper Austria, S, 1903/004/0102/05.

### **Stenosmilia**

*Stenosmilia tenuicosta* (REUSS, 1854) – FELIX (1903: 303) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0100/01 (Figured in: BARON-SZABO (2014b: 162, Pl. 1, Figs. 5–6) sub *Nefophyllia angusta* (REUSS, 1854)).

*Stenosmilia tenuicosta* (REUSS, 1854) – FELIX (1903: 303) – Turonian–Campanian, Gosau, Upper Austria, R (2), 1903/004/0100/02–03.

*Stenosmilia tenuicosta* (REUSS, 1854) – FELIX (1903: 303) – Turonian–Campanian, Gosau Valley, Upper Austria, R (2), 1903/004/0100, 04–05.

*Stenosmilia tenuicosta* (REUSS, 1854) – FELIX (1903: 303) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0100/06.

*Stenosmilia tenuicosta* (REUSS, 1854) – FELIX (1903: 303) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R (7), 1903/004/0100/07.

*Stenosmilia tenuicosta* (REUSS, 1854) – FELIX (1903: 303), Upper Cretaceous, Zeller See, Upper Austria, R (8), 1903/004/0100/08–09.

### **Stephanaxophyllia**

*Stephanaxophyllia hoernesii* (REUSS, 1854) – BARON-SZABO (2014a: 70, Pl. 33, Figs. 1–5), Turonian–Campanian, Gosau, Upper Austria, F, 1854/007/0086 (Syntype in: REUSS (1854: 115, Pl. 13, Figs. 7–8) sub *Prionastraea hoernesii* REUSS, 1854 and reference material in: FELIX (1903: 272) sub *Isastraea hoernesii* (REUSS, 1854)).

### **Stephanocoenia**

*Stephanocoenia formosa* (GOLDFUSS, 1829) – FELIX (1903: 318) – Coniacian–Santonian, Gosau Valley, Upper Austria, R, 1903/004/0111/01 (Figured in: BARON-SZABO (2014a: 21, Pl. 4, Fig. 5) sub *Columactinastrea formosa* (GOLDFUSS, 1829)).

*Stephanocoenia formosa* (GOLDFUSS, 1829) – FELIX (1903: 318) – Turonian–Campanian, Gosau Valley, Upper Austria, R (9), 1903/004/0111/02–03, 08–10, 17–20.

*Stephanocoenia formosa* (GOLDFUSS, 1829) – FELIX (1903: 318) – Turonian–Campanian, Gosau, Upper Austria, R (10), 1903/004/0111/04–07, 11–16, 21.

*Stephanocoenia formosa* (GOLDFUSS, 1829) – FELIX (1903: 318) – Santonian, Randograb, Rußbach am Paß Gschütt, Salzburg, R (4), 1903/004/0111/22–25.

*Stephanocoenia formosa* (GOLDFUSS, 1829) – FELIX (1903: 318) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0111/26.

*Stephanocoenia formosa* (GOLDFUSS, 1829) – FELIX (1903: 318) – Upper Cretaceous, Zeller See, Upper Austria, R, 1903/004/0111/27.

### **Strotogyra**

*Strotogyra sinuosa* (FELIX, 1903) – BEAUVAIS (1982, part 1: 194) – upper Santonian, Scharrergraben, Markt Piesting, Lower



Austria, L, 1903/004/0102/01 (Syntype of *Stenogyra sinuosa* FELIX (1903: 307, Pl. 21, Figs. 9, 9a–b)).

*Strotogyra sinuosa* (FELIX, 1903) – BEAUVAIS (1982, part 1: 194) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, PL, 1903/004/0102/02 (Syntype of *Stenogyra sinuosa* FELIX (1903: 307, Pl. 21, Fig. 11)).

*Strotogyra undulata* (REUSS, 1854) – BEAUVAIS (1982, part 1: 192) – Turonian–Campanian, Gosau, Upper Austria, R (3), 1903/004/0104/01–03 (Reference material in: FELIX (1903: 309) sub *Rhipidogyra undulata* REUSS, 1854).

*Strotogyra undulata* (REUSS, 1854) – BEAUVAIS (1982, part 1: 192) – upper Santonian, Neffgraben, Gosau, Salzburg, R (2), 1903/004/0104/04–05 (Reference material in: FELIX (1903: 309) sub *Rhipidogyra undulata* REUSS, 1854).

### *Synastrea*

*Synastrea cladophora* (FELIX, 1903) – BEAUVAIS (1982, part 2: 127) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, PL, 1903/004/0005/01 (Syntype in: FELIX (1903: 183) sub *Thamnaraea cladophora* FELIX, 1903 and figured in: BARON-SZABO (2014a: 40, Pl. 34, Fig. 4) sub ?*Mesomorpha chaetetoides* (TRAUTH, 1911)).

*Synastrea cladophora* (FELIX, 1903) – BEAUVAIS (1982, part 2: 127) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, PL, 1903/004/0005/02 (Syntype in: FELIX (1903: 183) sub *Thamnaraea cladophora* FELIX, 1903 and figured in: BARON-SZABO (2014a: 40, Pl. 34, Fig. 5) sub ?*Mesomorpha chaetetoides* (TRAUTH, 1911)).

*Synastrea cladophora* (FELIX, 1903) – BEAUVAIS (1982, part 2: 127) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, PL (4), 1903/004/0005/03 (Syntypes in: FELIX (1903: 183) sub *Thamnaraea cladophora* FELIX, 1903).

*Synastrea procera* (REUSS, 1854) – BARON-SZABO (2003a: 142) – Santonian, Hochmoos–Rußbach am Paß Gschütt area, Salzburg, R (3), 2003/023/0033/01, 03–04.

*Synastrea procera* (REUSS, 1854) – BARON-SZABO (2003a: 142, Pl. 19, Fig. 2) – Santonian, Hochmoos–Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0033/02 (Figured in: BARON-SZABO (2014a: 68, Pl. 75, Fig. 2) sub *Synastrea procera* (REUSS, 1854)).

*Synastrea procera* (REUSS, 1854) – BARON-SZABO (2014a: 68, Pl. 75, Fig. 2) – Santonian, Hochmoos–Rußbach am Paß Gschütt area, Salzburg, F, 2003/023/0033/02 (Figured in: BARON-SZABO (2003a: 142, Pl. 19, Fig. 2) sub *Synastrea procera* (REUSS, 1854)).

### *Taxogyra*

*Taxogyra macroreina* (MICHELIN, 1847) – BARON-SZABO (2014a: 29, Pl. 17, Figs. 1–2, Pl. 19, Figs. 1–2) – upper Santonian, Brunstloch, Gosau, Upper Austria, F, 1903/004/0067 (Figured in: FELIX (1903: 253, Pl. 23, Fig. 13) sub *Maeandrastraea macroreina* (MICHELIN, 1847) and reference material in: BEAUVAIS (1982, part 1: 84) sub *Taxogyra macroreina* (MICHELIN, 1847)).

*Taxogyra macroreina* (MICHELIN, 1847) – BEAUVAIS (1982, part 1: 84) – upper Santonian, Brunstloch, Gosau, Upper

Austria, R, 1903/004/0067 (Figured in: FELIX (1903: 253, Pl. 23, Fig. 13) sub *Maeandrastraea macroreina* (MICHELIN, 1847) and in: BARON-SZABO (2014a: 29, Pl. 17, Figs. 1–2, Pl. 19, Figs. 1–2) sub *Taxogyra macroreina* (MICHELIN, 1847)).

### *Thamnaraea*

*Thamnaraea cladophora* FELIX, 1903 – FELIX (1903: 183) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, S, 1903/004/0005/01 (Paralectotype through lectotype designation in: BEAUVAIS (1982, part 2: 127) sub *Synastrea cladophora* (FELIX, 1903) and figured in: BARON-SZABO (2014a: 40, Pl. 34, Fig. 4) sub ?*Mesomorpha chaetetoides* (TRAUTH, 1911)).

*Thamnaraea cladophora* FELIX, 1903 – FELIX (1903: 183) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, S, 1903/004/0005/02 (Paralectotype through lectotype designation in: BEAUVAIS (1982, part 2: 127) sub *Synastrea cladophora* (FELIX, 1903) and figured in: BARON-SZABO (2014a: 40, Pl. 34, Fig. 5) sub ?*Mesomorpha chaetetoides* (TRAUTH, 1911)).

*Thamnaraea cladophora* FELIX, 1903 – FELIX (1903: 183) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, S (4), 1903/004/0005/03 (Paralectotype through lectotype designation in: BEAUVAIS (1982, part 2: 127) sub *Synastrea cladophora* (FELIX, 1903)).

### *Thamnasteria*

*Thamnasteria montuosa*, FELIX – 1903, FELIX (1903: 256) – Turonian–Campanian, Gosau Valley, Upper Austria, S (2), 1903/004/0026/03–04.

*Thamnasteria montuosa*, FELIX, 1903 – FELIX (1903: 256) – Upper Cretaceous, Zeller See, Upper Austria, S, 1903/004/0026/05.

### *Thamnastraea*

*Thamnastraea agaricites* (GOLDFUSS, 1826) – FELIX (1903: 202) – Turonian–Campanian, Gosau Valley, Upper Austria, R (4), 1903/004/0023/01, 03, 06–07.

*Thamnastraea agaricites* (GOLDFUSS, 1826) – FELIX (1903: 202) – Turonian–Campanian, Gosau, Upper Austria, R (9), 1903/004/0023/02, 04–05, 08–13.

*Thamnastraea agaricites* (GOLDFUSS, 1826) – FELIX (1903: 202) – Turonian–Campanian, ?Gosau, Upper Austria, R (3), 1903/004/0023/14–16.

*Thamnastraea agaricites* (GOLDFUSS, 1826) – FELIX (1903: 202) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (12), 1903/004/0023/17–28.

*Thamnastraea agaricites* (GOLDFUSS, 1826) – FELIX (1903: 202) – upper Santonian, Brunstloch, Gosau, Upper Austria, R, 1903/004/0023/29.

*Thamnastraea agaricites* (GOLDFUSS, 1826) – FELIX (1903: 202) – Turonian–Campanian, ?Gosau, Upper Austria, R, 1903/004/0023/30 (Reference material in: REUSS (1854: 118) sub *Thamnastraea agaricites* (GOLDFUSS, 1826)).

- Thamnastraea agaricites* (GOLDFUSS, 1826) – FELIX (1903: 202) – upper Santonian, Neffgraben, Gosau, Salzburg, R (3), 1903/004/0023/31–32, 38.
- Thamnastraea agaricites* (GOLDFUSS, 1826) – FELIX (1903: 202) – lower Santonian, Wolfschwang near Salzburg, Salzburg, R, 1903/004/0023/33.
- Thamnastraea agaricites* (GOLDFUSS, 1826) – FELIX (1903: 202) – upper Santonian, Scharrergraben, Markt Piesting, Lower Austria, R (4), 1903/004/0023/34–37.
- Thamnastraea agaricites* (GOLDFUSS, 1826) – REUSS (1854: 118) – Turonian–Campanian, ?Gosau, Upper Austria, R, 1903/004/0023/30 (Reference material in: FELIX (1903: 202) sub *Thamnastraea agaricites* (GOLDFUSS, 1826)).
- Thamnastraea carinata* FELIX, 1903 – FELIX (1903: 210) – upper Santonian, Neffgraben, Gosau, Salzburg, S, 1903/004/0030/01 (Paralectotype in: BEAUVAIS (1982, part 2: 135) sub *Hydnoporastraea carinata* (FELIX, 1903)).
- Thamnastraea carinata* FELIX, 1903 – FELIX (1903: 210) – upper Santonian, Neffgraben, Gosau, Salzburg, S, 1903/004/0030/02 (Paralectotype in: BEAUVAIS (1982, part 2: 135) sub *Hydnoporastraea carinata* (FELIX, 1903)).
- Thamnastraea composita* (SOWERBY, 1832) – FELIX (1903: 206) – Turonian–Campanian, Gosau, Upper Austria, R (5), 1903/004/0028/01, 05, 07–09.
- Thamnastraea composita* (SOWERBY, 1832) – FELIX (1903: 206) – Turonian–Campanian, Gosau Valley, Upper Austria, R (3), 1903/004/0028/02–04.
- Thamnastraea composita* (SOWERBY, 1832) – FELIX (1903: 206) – Turonian–Campanian, ?Gosau Valley, Upper Austria or ?Scharrergraben, Lower Austria, R, 1903/004/0028/06.
- Thamnastraea composita* (SOWERBY, 1832) – FELIX (1903: 206) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (3), 1903/004/0028/10–12.
- Thamnastraea composita* (SOWERBY, 1832) – FELIX (1903: 206) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0028/13.
- Thamnastraea composita* (SOWERBY, 1832) – FELIX (1903: 206) – upper Santonian, Brunstloch, Gosau, Upper Austria, R, 1903/004/0028/14.
- Thamnastraea composita* (SOWERBY, 1832) – FELIX (1903: 206) – Coniacian–Santonian, Hofergraben, Gosau, Upper Austria, R (2), 1903/004/0028/15–16.
- Thamnastraea composita* (SOWERBY, 1832) – REUSS (1854: 117, Pl. 20, Fig. 2) – Turonian–Campanian, Gosau Valley, Upper Austria, F, 1854/007/0093.
- Thamnastraea confusa* REUSS, 1854 – REUSS (1854: 119) – Santonian, Gosau, Upper Austria, S, 1903/004/0027/01 (Figured in FELIX (1903: 205, Pl. 17, Fig. 9) sub *Thamnastraea decipiens* (MICHELIN, 1847), in: BEAUVAIS (1982, part 2: 68, Pl. 60, Fig. 7) sub *Astraeofungia decipiens* (MICHELIN, 1847) and in: BARON-SZABO (2014a: 63, Pl. 71, Figs. 1–3) sub *Astraeofungia oppenheimi* BEAUVAIS, 1982).
- Thamnastraea confusa* REUSS, 1854 – REUSS (1854: 119) – Turonian–Campanian, Gosau Valley, Upper Austria, S (2), 2012/092/0134–0135.
- Thamnastraea decipiens* (MICHELIN, 1847) – FELIX (1903: 205, Pl. 17, Fig. 9) – Santonian, Gosau, Upper Austria, F, 1903/004/0027/01 (Syntype in: REUSS (1854: 119) sub *Thamnastraea confusa* REUSS, 1854, figured in: BEAUVAIS (1982, part 2: 68, Pl. 60, Fig. 7) sub *Astraeofungia decipiens* (MICHELIN, 1847) and figured in: BARON-SZABO (2014a: 63, Pl. 71, Figs. 1–3) sub *Astraeofungia oppenheimi* BEAUVAIS, 1982).
- Thamnastraea decipiens* (MICHELIN, 1847) – FELIX (1903: 205) – Turonian–Campanian, Gosau Valley, Upper Austria, R (4), 1903/004/0027/02–03, 05–06.
- Thamnastraea decipiens* (MICHELIN, 1847) – FELIX (1903: 205) – Turonian–Campanian, ?Gosau Valley, Upper Austria, R, 1903/004/0027/04.
- Thamnastraea decipiens* (MICHELIN, 1847) – FELIX (1903: 205) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0027/07.
- Thamnastraea decipiens* (MICHELIN, 1847) – FELIX (1903: 205) – Upper Cretaceous, Zeller See, Upper Austria, R, 1903/004/0027/08.
- Thamnastraea exaltata* REUSS, 1854 – FELIX (1903: 203) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0025/01.
- Thamnastraea exaltata* REUSS, 1854 – FELIX (1903: 203) – Turonian–Campanian, ?Gosau, Upper Austria, R, 1903/004/0025/02.
- Thamnastraea exaltata* REUSS, 1854 – REUSS (1854: 118) – Turonian–Campanian, Gosau Valley, Upper Austria, S, 2012/092/0136.
- Thamnastraea exigua* REUSS 1854 – FELIX (1903: 209) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0029/01.
- Thamnastraea exigua* REUSS 1854 – FELIX (1903: 209) – Turonian–Campanian, ?Gosau, Upper Austria, R, 1903/004/0029/02.
- Thamnastraea exigua* REUSS, 1854 – REUSS (1854: 119, Pl. 18, Figs. 5–6) – Coniacian, Horneegg or Santonian, Randograben, Gosau, Upper Austria, S, 1854/007/0099 (Figured in: BEAUVAIS (1982, part 2: 55, Pl. 26, Fig. 1) sub *Dimorphomandra exigua* (REUSS, 1854) and in: BARON-SZABO (2014a: 70, Pl. 77, Figs. 6–7) sub *Fungiastraea exigua* (REUSS, 1854)).
- Thamnastraea montuosa* FELIX, 1903 – FELIX (1903: 204, Pl. 17, Fig. 8) – upper Santonian, Neffgraben, Gosau, Salzburg, S, 1903/004/0026/01 (Figured in: BARON-SZABO (2014a: 71, Pl. 78, Fig. 5) and in: BEAUVAIS (1982, part 2: 130, Pl. 61, Fig. 1) sub *Valliculastraea montuosa* (FELIX, 1903)).
- Thamnastraea montuosa* FELIX, 1903 – FELIX (1903: 204) – upper Santonian, Neffgraben, Gosau, Salzburg, S, 1903/004/0026/02.
- Thamnastraea procera* REUSS, 1854 – FELIX (1903: 203) – Turonian–Campanian, Gosau, Upper Austria, R (3), 1903/004/0024/01–03.
- Thamnastraea procera* REUSS, 1854 – FELIX (1903: 203) – Turonian–Campanian, Gosau Valley, Upper Austria, R (2), 1903/004/0024/04, 06.
- Thamnastraea procera* REUSS, 1854 – FELIX (1903: 203) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0024/05.

*Thamnastraea procera* REUSS, 1854 – FELIX (1903: 203) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, R (2), 1903/004/0024/07–08.

*Thamnastraea procera* REUSS, 1854 – FELIX (1903: 203) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0024/09.

*Thamnastraea procera* REUSS, 1854 – FELIX (1903: 203) – Turonian–Campanian, ?Gosau, Upper Austria, R, 1903/004/0024/10.

*Thamnastraea procera* REUSS, 1854 – REUSS (1854: 120) – Turonian–Campanian, Gosau, Upper Austria, S (7), 2012/092/0137–0139.

### *Thamnoseris*

*Thamnoseris morchella* (REUSS, 1854) – BARON-SZABO (2002: 147, Pl. 108, Fig. 3) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0032/02 (Figured in: BARON-SZABO (2003a: 141, Pl. 19, Fig. 6) and BARON-SZABO (2014a: 70, Pl. 77, Figs. 3–4) sub *Thamnoseris morchella* (REUSS, 1854)).

*Thamnoseris morchella* (REUSS, 1854) – BARON-SZABO (2003a: 141) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, R (3), 2003/023/0032/01, 04–05.

*Thamnoseris morchella* (REUSS, 1854) – BARON-SZABO (2003a: 141, Pl. 19, Fig. 6) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0032/02 (Figured in: BARON-SZABO (2002: 147, Pl. 108, Fig. 3) and BARON-SZABO (2014a: 70, Pl. 77, Figs. 3–4) sub *Thamnoseris morchella* (REUSS, 1854)).

*Thamnoseris morchella* (REUSS, 1854) – BARON-SZABO (2003a: 141, Pl. 21, Fig. 2) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0032/03.

*Thamnoseris morchella* (REUSS, 1854) – BARON-SZABO (2003a: 141) – Santonian, Hochmoos-Rußbach am Paß Gschütt area, Salzburg, R, 2003/023/0032/06–07.

*Thamnoseris morchella* (REUSS, 1854) – BARON-SZABO (2003a: 141) – Santonian, Gosau, Grabenbach, Upper Austria, R (2), 2003/023/0032/08–09.

*Thamnoseris morchella* (REUSS, 1854) – BARON-SZABO (2014a: 70, Pl. 77, Figs. 3, 4) – Santonian, Hochmoos-Grabenbach area, Gosau, Salzburg, F, 2003/023/0032/02 (Figured in: BARON-SZABO (2002: 147, Pl. 108, Fig. 3) and BARON-SZABO (2003a: 141, Pl. 19, Fig. 6) sub *Thamnoseris morchella* (REUSS, 1854)).

### *Thecosmilia*

*Thecosmilia abbreviata* (REUSS, 1854) – FELIX (1903: 243) – Turonian–Campanian, Gosau, Upper Austria, R, 1854/007/0050 (Holotype by monotypy of *Mussa abbreviata* REUSS (1854: 104, Pl. 4, Figs. 4–6), figured in: BEAUVAIS (1982, part 2: 261, Pl. 47, Fig. 3), BARON-SZABO (2002: 153, Pl. 113, Fig. 1) and BARON-SZABO (2014a: 55, Pl. 61, Fig. 6, Pl. 62, Figs. 1–6) sub *Loboseris abbreviata* (REUSS, 1854)).

*Thecosmilia deformis* REUSS, 1854 – REUSS (1854: 103) – Turonian–Campanian, Gosau, Upper Austria, S, 2012/092/0141.

### *Trochosmilia*

*Trochosmilia basochesi* (DEFrance, 1828) – REUSS (1854: 85) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0123/02 (Syntype of *Phyllosmilia transiens* FELIX (1899: 344)).

*Trochosmilia basochesi* (DEFrance, 1828) – REUSS (1854: 85) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0123/03 (Syntype of *Phyllosmilia transiens* FELIX (1899: 344)).

*Trochosmilia basochesi* (DEFrance, 1828) – REUSS (1854: 85) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0123/04 (Syntype of *Phyllosmilia transiens* FELIX (1899: 344)).

*Trochosmilia basochesi* (DEFrance, 1828) – REUSS (1854: 85) – upper Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0123/07 (Syntype of *Phyllosmilia transiens* FELIX (1899: 344 and figured in: BARON-SZABO (2014a: 42, Pl. 37, Figs. 3–4) sub *Phyllosmilia transiens* FELIX, 1899).

*Trochosmilia basochesi* (DEFrance, 1828) – REUSS (1854: 85, Pl. 2, Fig. 2) – upper Turonian–Campanian, Gosau, Upper Austria, F, 1854/007/0013 (Syntype of *Phyllosmilia transiens* FELIX (1899: 378), reference material in: FELIX (1903: 345) sub *Phyllosmilia transiens* FELIX nov. sp.).

*Trochosmilia bipartita* REUSS, 1854 – FELIX (1903: 334) – Turonian–Campanian, Gosau, Upper Austria, R (2), 1903/004/0118/01–02.

*Trochosmilia bipartita* REUSS, 1854 – REUSS (1854: 87) – Turonian–Campanian, Gosau Valley, Upper Austria, S, 2012/092/0143.

*Trochosmilia boissyana* (MICHELIN, 1847) – REUSS (1854: 87) – upper Santonian, Neffgraben, Gosau, Salzburg, R, 1903/004/0116 (Syntype of *Trochosmilia psecadiophora* FELIX (1903: 331)).

*Trochosmilia didyma* (GOLDFUSS, 1826) – FELIX (1903: 331, Pl. 18, Figs. 11, 11a) – upper Santonian–Campanian, Muthmannsdorf, Lazarussteinbruch, Lower Austria, F, 1903/004/0115/01 (Paratypus in: BEAUVAIS (1982, part 1: 240) sub *Rennensismilia corbariensis* BEAUVAIS, 1982).

*Trochosmilia didyma* (GOLDFUSS, 1826) – FELIX (1903: 331) – upper Santonian–Campanian, Muthmannsdorf, Lazarussteinbruch, Lower Austria, R (2), 1903/004/0115/02–03.

*Trochosmilia didyma* (GOLDFUSS, 1826) – FELIX (1903: 331) – upper Santonian–Campanian, Muthmannsdorf, Lower Austria, R, 1903/004/0115/04.

*Trochosmilia* cf. *didymophila* FELIX, 1903 – FELIX (1903: 332, Pl. 18, Figs. 7, 7a) – Santonian, Randograben, Rußbach am Paß Gschütt, Salzburg, F, 1903/004/0117 (Holotype by designation of *Phyllosmilia felixi* BEAUVAIS, 1982, in: BEAUVAIS (1982, part 1: 152, Pl. 12, Fig. 6)).

*Trochosmilia inflexa* REUSS, 1854 – FELIX (1903: 326) – Turonian–Campanian, Gosau, Upper Austria, R, 1903/004/0114/02.

*Trochosmilia inflexa* REUSS, 1854 – REUSS (1854: 86, Pl. 5, Fig. 5) – Turonian–Campanian, Gosau, Upper Austria, S, 1854/007/0014 (Reference material in: FELIX (1899: 382) and FELIX (1903: 339) sub *Placosmilia arcuata* MILNE EDWARDS & HAIME, 1848b and figured in: BARON-SZABO (2002: 71, Pl. 52, Figs. 4–5) and BARON-SZABO (2014a: 44, Pl. 46, Figs. 2–3) sub *Rennensismilia inflexa* (REUSS, 1854)).

*Trochosmilia cf. inflexa* REUSS, 1854 – FELIX (1903: 326) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0114/01.

*Trochosmilia psecadiophora* FELIX, 1903 – FELIX (1903: 331) – upper Santonian, Neffgraben, Gosau, Salzburg, S, 1903/004/0116 (Reference material in: REUSS (1854: 87) sub *Trochosmilia boissyana* (MICHELIN, 1847)).

*Trochosmilia subinduta* REUSS, 1854 – FELIX (1903: 335) – Turonian–Campanian, Gosau, Upper Austria, R (2), 1903/004/0119/01–02.

*Trochosmilia subinduta* REUSS, 1854 – FELIX (1903: 335) – Turonian–Campanian, Gosau Valley, Upper Austria, R, 1903/004/0119/03.

*Trochosmilia subinduta* REUSS, 1854 – FELIX (1903: 335) – Coniacian–Santonian, Hohe Traunwand, Rußbach am Paß Gschütt, Salzburg, R, 1903/004/0119/04.

### *Valliculastraea*

*Valliculastraea montuosa* (FELIX, 1903) – BARON-SZABO (2014a: 71, Pl. 78, Fig. 5) – upper Santonian, Neffgraben, Gosau, Salzburg, F, 1903/004/0026/01 (Syntype of *Thamnastreaa montuosa* FELIX (1903: 204) and figured in: BEAUVAIS (1982, part 2: 130, Pl. 61, Fig. 1) sub *Valliculastraea montuosa* (FELIX, 1903)).

*Valliculastraea montuosa* (FELIX, 1903) – BEAUVAIS (1982, part 2: 130, Pl. 61, Fig. 1) – upper Santonian, Neffgraben, Gosau, Salzburg, F, 1903/004/0026/01 (Syntype of *Thamnastreaa montuosa* FELIX (1903: 204) and figured in: BARON-SZABO (2014a: 71, Pl. 78, Fig. 5) sub *Valliculastraea montuosa* (FELIX, 1903)).

*Valliculastraea texta* (OPPENHEIM, 1930) – BARON-SZABO (1999: 461) – upper Santonian–Campanian, Weissenbachalm, Styria, R, 1999/089/0022/01.

*Valliculastraea texta* (OPPENHEIM, 1930) – BARON-SZABO (1999: 461, Pl. 7, Figs. 3–4) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0022/02 (Figured in: BARON-SZABO (2002: 152, Pl. 111, Fig. 4) and BARON-SZABO (2014a: 71, Pl. 78, Fig. 6) sub *Valliculastraea texta* (OPPENHEIM, 1930)).

*Valliculastraea texta* (OPPENHEIM, 1930) – BARON-SZABO (2002: 152, Pl. 111, Fig. 4) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0022/02 (Figured in: BARON-SZABO (1999: 461, Pl. 7, Figs. 3–4) and BARON-SZABO (2014a: 71, Pl. 78, Fig. 6) sub *Valliculastraea texta* (OPPENHEIM, 1930)).

*Valliculastraea texta* (OPPENHEIM, 1930) – BARON-SZABO (2014a: 71, Pl. 78, Fig. 6) – upper Santonian, Weissenbachalm, Styria, F, 1999/089/0022/02 (Figured in: BARON-SZABO (1999: 461, Pl. 7, Figs. 3–4) and BARON-SZABO (2002: 152, Pl. 111, Fig. 4) sub *Valliculastraea texta* (OPPENHEIM, 1930)).

### Acknowledgements

I am very much indebted to JOHANNA WALLNER (GBA) for assistance in collection management concerning the Cretaceous fossils of Austria. FRANK BACH (University of Leipzig) and ANDREAS KROH (Museum of Natural History, Vienna) kindly helped with specimens of Johannes Felix and August Emanuel Reuss' handwriting. I have to thank ROSEMARIE BARON-SZABO (Smithsonian Institution, Washington) for additional information on the localities of the Hochmoos and Grabenbach formations mentioned in BARON-SZABO (2003a). CHRISTOPH JANDA (GBA) helped to create the locality map. LEO ZORN corrected the English. Gratefully acknowledged is HANNES LÖSER (Universidad Nacional Autónoma de México (UNAM) Instituto de Geología (IGL) Estación Regional del Noroeste (ERNO) in Hermosillo, Mexico) for reviewing the manuscript.

### References

ALLOITEAU, J. (1936): Polypiers fossiles de Madagascar: 1, Formes du Crétacé de la province d'Ananalava. – Annales Géologiques du Service des Mines de Madagascar, **6**, 41–53, Paris. (in French)

ALLOITEAU, J. (1954): Le genre *Actinastrea* D'ORBIGNY, 1849 dans le Crétacé supérieur français. – Annales Hébert et Haug, **8**, 9–104, Paris.

BARON-SZABO, R.C. (1998): A new coral fauna of the Campanian from north Spain (Torallola village, Prov. Llàida). – Geologisch-Paläontologische Mitteilungen Innsbruck, **23**, 127–191, Innsbruck.

BARON-SZABO, R.C. (1999): Taxonomy of Upper Cretaceous Scleractinian Corals of the Gosau Group (Weissenbachalm, Steiermark, Austria). – Geologie ohne Grenzen: Festschrift 150 Jahre Geologische Bundesanstalt: Teil II. – Abhandlungen der Geologischen Bundesanstalt, **56/2**, 441–464, Wien.

BARON-SZABO, R.C. (2000): Late Campanian–Maastrichtian corals from the United Arab Emirates–Oman border region. – Bulletin of the Natural History Museum London (Geology), **56**, 91–131, London.

BARON-SZABO, R.C. (2002): Scleractinian corals of the Cretaceous. A compilation of Cretaceous forms with descriptions, illustrations and remarks on their taxonomic position. – 539 pp., Knoxville (privately published).

BARON-SZABO, R.C. (2003a): Taxonomie und Ontogenie von scleractinien Korallen der ostalpinen Oberkreide (Hochmoos- und Grabenbachschichten, Gosau-Gruppe, Santon). – Jahrbuch der Geologischen Bundesanstalt, **143/2**, 107–201, Wien.

BARON-SZABO, R.C. (2003b): Ontogenetical development in *Dasmiopsis lamellicostatus* (REUSS, 1854) (Scleractinia; Meandrinidae), a rare coral from the upper Cretaceous Gosau-Group (Hofergraben, Austria). – In: WEIDINGER, J.T., LOBITZER, H. & SPITZBART, I. (Eds.): Contributions to the Geology of the Salzkammergut Region, Austria. – Gmundner Geo-Studien, **2**, 141–145, Gmunden (Erkudok Institut/Stadtmuseum Gmunden).

BARON-SZABO, R.C. (2003c): Corals of the type localities of the upper Cretaceous Gosau-Group: Finstergraben, Hofergraben, Schattau (Austria): a preliminary report. – In: WEIDINGER, J.T., LOBITZER, H. & SPITZBART, I. (Eds.): Contributions to the Geology of the Salzkammergut Region, Austria. – Gmundner Geo-Studien, **2**, 147–148, Gmunden (Erkudok Institut/Stadtmuseum Gmunden).

- BARON-SZABO, R.C. (2014a): Scleractinian Corals from the Cretaceous of the Alps and Northern Dinarides with remarks on related taxa. – Abhandlungen der Geologischen Bundesanstalt, **68**, 296 pp., Wien.
- BARON-SZABO, R.C. (2014b): On the Cretaceous genus *Nefophyllia* WELLS, 1937 (pro *Platysmilia* FELIX, 1899, non TOULA, 1889). – Jahrbuch der Geologischen Bundesanstalt, **154**/1–4, 155–163, Wien.
- BEAUVAIS, M. (1982): Revision systematique des Madreporaires des Couches de Gosau (Cretace superieur, Autriche). – Travaux du Department de Geologie Structurale, 5 parts: 1. Introduction sous-ordre Archaeocoeniina, Astraeoina, Meandriina, Caryophylliina, 256 pp. / 2. Sous ordre des Fungiina, 277 pp. / 3. Sous-ordre des Heterocouniina, sous-classe des Octo-corallia, Index. / 4. Atlas photographique, 71 Taf. / 5. Atlas-figures, Paris. (in French)
- BEAUVAIS, L. & BEAUVAIS, M. (1975): Une nouvelle famille dans le sous-ordre des Stylinida ALLOITEAU, les Agatheliidae nov. fam. (Madreporaires mésozoïques). – Bulletin de la Société Géologique de France, 7e série, **17**, 576–581, Paris.
- BRUGUIÈRE, J.G. (1792): Description d'une nouvelle espèce de Madreporé. – Journal d'Histoire Naturelle, **1**, 461–463, Paris. (in French)
- DEFRANCE, M.J.L. (1828): Turbinolie. – In: DEFRANCE, M.J.L. (Ed.): Dictionnaire des sciences naturelles, **56**, 91–94, Strasbourg–Paris. (in French)
- DESHAYES, M.G.P. (1831): Description des coquilles caractéristiques des terrains. – 264 pp., Paris.
- DUNCAN, P.M. & WALL, G.P. (1865): A notice of the geology of Jamaica, especially with reference to the district of Clarendon; with descriptions of the Cretaceous, Eocene and Miocene corals of the islands. – Quarterly Journal of the Geological Society of London, **21**, 1–14, London.
- FELIX, J. (1899): Studien an cretaceischen Anthozoen. – Zeitschrift der Deutschen Geologischen Gesellschaft, **51**, 378–387, Berlin.
- FELIX, J. (1901): Über zwei neue Korallengattungen aus den ostalpinen Kreideschichten. – Sitzungsberichte der Naturforschenden Gesellschaft zu Leipzig, **26/27** (1899/1900), 37–40, Leipzig.
- FELIX, J. (1903): Studien über die korallenführenden Schichten der oberen Kreideformation in den Alpen und den Mittelgebirgen. I. Theil: Die Anthozoen der Gosauschichten in den Ostalpen. – Palaeontographica, **49**, 163–360, Stuttgart.
- FELIX, J. (1914): Anthozoa neocretacea. – Fossilium Catalogus, I: Animalia, **7**, 147–273, Berlin (Junk).
- FOETTERLE, F. (1850a): Verzeichniss der an die k. k. geologische Reichsanstalt gelangten Einsendungen von Mineralien, Petrefacten, Gebirgsarten u.s.w. – Jahrbuch der k. k. Geologischen Reichsanstalt, **1**, 552–559, Wien.
- FOETTERLE, F. (1850b): Verzeichniss der an die k. k. geologische Reichsanstalt gelangten Einsendungen von Mineralien, Petrefacten, Gebirgsarten u.s.w. – Jahrbuch der k. k. Geologischen Reichsanstalt, **1**, 734–740, Wien.
- FRECH, F. (1890): Die Korallenfauna der Trias: 1. Die Korallen der juvavischen Triasprovinz. – Palaeontographica, **37**, 1–116, Stuttgart.
- FROMENTEL, E. DE (1863): Zoophytes, terrains crétacés (4–5). – In: D'ORBIGNY, A. (Ed.): Paléontologie Française, **8**, 145–240, Pls. 37–60, Paris (Masson). (in French)
- FROMENTEL, E. DE (1864): Zoophytes, terrains crétacés (6). – In: D'ORBIGNY, A. (Ed.): Paléontologie Française, **8**, 241–288, Pls. 61–70, Paris (Masson). (in French)
- FROMENTEL, E. DE (1873): Zoophytes: terrain crétacé (10). – In: D'ORBIGNY, A. (Ed.): Paléontologie Française, **8**, 385–432, Pls. 97–108, Paris (Masson). (in French)
- FROMENTEL, E. DE (1877): Zoophytes, terrains crétacés (10). – In: D'ORBIGNY, A. (Ed.): Paléontologie Française, **8**, 433–480, Pls. 109–120, Paris (Masson). (in French)
- FROMENTEL, E. DE (1884): Zoophytes, terrains crétacés (13). – In: D'ORBIGNY, A. (Ed.): Paléontologie Française, **8**, 529–560, Pls. 145–156, Paris (Masson). (in French)
- FUGGER, E. (1894a): Hippuritenkalke bei Zell am Moos (am Irrsee, Oberösterreich). – Verhandlungen der k. k. Geologischen Reichsanstalt, **1894**, 185–186, Wien.
- FUGGER, E. (1894b): Weitere Nachrichten über die Hippuritenkalke bei Zell am Moos (am Irrsee, Oberösterreich). – Verhandlungen der k. k. Geologischen Reichsanstalt, **1894**, 209–210, Wien.
- GOLDFUSS, A. (1826–1829): Petrefacta Germaniae. – Volumes **1–2**, 1–164, Düsseldorf (Arnz & Co.).
- GREGORY, J.W. (1898): A collection of Egyptian fossil Madreporaria. – Geological Magazine (Decade 4), **5**, 241–251, London.
- HINTERHUBER, O. (1866): Petrefacten der Gosauformation aus dem Strobl-Weissenbachthale bei St. Wolfgang. – Jahrbuch der k. k. Geologischen Reichsanstalt, Verhandlungen, **16** (1866), 16–17, Wien.
- HRADECKÁ, L., LOBITZER, H., OTTNER, F., SACHSENHOFER, R.F., SIEGL-FARKAS, Á., SVÁBENICKÁ, L. & ZORN, I. (1999): Biostratigraphy and Palaeoenvironment of the marly marine transgression of Weißenbachalm Lower Gosau-Subgroup (Upper Turonian–Lower Santonian Grabenbach-Formation, Northern Calcareous Alps, Styria). – In: LOBITZER, H. & GRECU, P. (Eds.): Geologie ohne Grenzen, Festschrift 150 Jahre Geologische Bundesanstalt. – Abhandlungen der Geologischen Bundesanstalt, **56/2**, 475–518, Wien.
- KÜHN, O. (1933): Das Becken von Isfahan-Saidabad und seine Altmiocäne Korallenfauna. – Palaeontographica, Abteilung A, **79**, 143–221, Stuttgart.
- LAMARCK, J.B.P. DE (1801): Système des animaux sans vertèbres. – 432 pp., Paris (Deterville). (in French)
- LAMARCK, J.B.P. DE (1816): Histoire naturelle des animaux sans vertèbres. – 568 pp., Paris (Verdière). (in French)
- LÖSER, H. (2005): Catalogue of Cretaceous Corals, Vol. **3**: List of Localities. – 366 pp., Dresden (CPress Verlag).
- LÖSER, H. (2009): Fossile Korallen aus Jura und Kreide. Aufbau, Klassifikation, Bestimmung und Fundmöglichkeiten. – VI + 206 pp., Dresden (CPress Verlag).
- LÖSER, H. (2014a): Revision of the Cretaceous coral family Agatheliidae. – Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen, **273/3**, 299–318, Stuttgart.
- LÖSER, H. (2014b): 3. Korallen / 3. Corals. – In: NIEBUHR, B. & WILMSEN, M. (Eds.): Kreide-Fossilien in Sachsen, Teil 1. – Geologica Saxonica, **60/1**, 17–56, Dresden.
- LÖSER, H., BACH, F. & MÜLLER, A. (2002): Die Sammlung Mesozoischer und Känozoischer Korallen von Johannes Felix am Geologisch-Paläontologischen Institut der Universität Leipzig. – Leipziger Geowissenschaften, **14**, 1–70, Leipzig.
- MICHELIN, H. (1847): Iconographie zoophytologique. Description par localités et terrains des polypiers fossiles de France, **7**, 249–328, Paris (Bertrand). (in French)
- MILNE EDWARDS, H. (1857): Histoire naturelle des Coralliaires ou polypes proprement dits. Volumes **1** and **2**. – 633 pp. and atlas, Paris (Librairie Encyclopédique de Roret). (in French)
- MILNE EDWARDS, H. (1860): Histoire naturelle des Coralliaires ou polypes proprement dits. Volume **3**. – 560 pp., Paris (Librairie Encyclopédique de Roret). (in French)
- MILNE EDWARDS, H. & HAIME, J. (1848a): Note sur la classification de la deuxième tribu de la famille des astréides. – Comptes Rendus de l'Académie des Sciences, **27**, 490–497, Paris. (in French)
- MILNE EDWARDS, H. & HAIME, J. (1848b): Recherches sur les polypiers (4). Monographie des astréides (1) Eusmiliens. – Annales de Sciences Naturelles, Série 3, Zoologie, **10**, 209–320, Pls. 5–9, Paris. (in French)

- MILNE EDWARDS, H. & HAIME, J. (1849): Recherches sur les polypiers (4). Monographie des astréides (2) Astréens (4–5). – *Annales de Sciences Naturelles, Série 3, Zoologie*, **12**, 95–197, Paris. (in French)
- OPPENHEIM, P. (1930a): Die Anthozoen der Gosauschichten in den Ostalpen. – 604 S., Berlin-Lichterfelde (privately published).
- D'ORBIGNY, A. (1850): *Prodrôme de Paléontologie stratigraphique universelle. Volume 2.* – 428 pp., Paris (Masson). (in French)
- PETERS, C. (1852): Beitrag zur Kenntniss der Lagerungsverhältnisse der oberen Kreideschichten an einigen Localitäten der östlichen Alpen. – *Abhandlungen der k. k. Geologischen Reichsanstalt*, **1**, 1–20, Wien.
- PRATZ, E. (1882): Über die verwandtschaftlichen Beziehungen einiger Korallengattungen mit hauptsächlichlicher Berücksichtigung ihrer Septalstruktur. – *Palaeontographica*, **29**, 81–124, Cassel.
- REUSS, A.E. (1854): Beiträge zur Charakteristik der Kreideschichten in den Ostalpen, besonders im Gosauthale und am Wolfgangsee. – *Denkschriften der Kaiserlichen Akademie der Wissenschaften, Mathematisch-naturwissenschaftliche Classe*, 1. Abt., **7**, 1–156, Wien.
- SOWERBY, J. DE C. (1832): [Names and plate with fossil corals: 360–362, 417, Pl. 37.]. In: SEDGWICK, A. & MURCHISON, R.I. (1832): A sketch of the structure of the Eastern Alps; with sections through the newer formations on the northern flanks of the chain, and through the Tertiary Deposits of Styria. – *Transactions of the Geological Society, Series II*, **3**, 301–420, London.
- STOJASPAL, F. (1976): Katalog der Typen und Abbildungsoriginale der Geologischen Bundesanstalt. 2. Teil: Wirbellose der Kreide (exklusive Mikrofossilien). – *Verhandlungen der Geologischen Bundesanstalt*, **1976/1**, A 202–A 222, Wien.
- SZENTE, I., SCHLAGINTWEIT, F., ZITT, J. & LOBITZER, H. (1999): Contribution to Facies and Fauna of the “Rudist-Coral-Brachiopod Limestone” of Weißenbachalm near Bad Aussee (Gosau Group, Upper Cretaceous, Austria). – In: LOBITZER, H. & GRECULA, P. (Red.): *Geologie ohne Grenzen, Festschrift 150 Jahre Geologische Bundesanstalt.* – *Abhandlungen der Geologischen Bundesanstalt*, **56/2**, 585–592, Wien.
- SZENTE, I., BARON-SZABO, R.C., HRADECKÁ, L., KVACEK, J., SVOBODOVÁ, M., SVÁBENICKÁ, L., SCHLAGINTWEIT, F. & LOBITZER, H. (2010): The Lower Gosau Subgroup of the Kohlbachgraben and “Station Billroth” North of St. Gilgen (Turonian–?Coniacian, Salzburg, Austria). – *Abhandlungen der Geologischen Bundesanstalt*, **65**, 135–154, Wien.
- TRAUTH, F. (1911): Die oberkretazische Korallenfauna von Klogsdorf in Mähren. – *Zeitschrift des Mährischen Landesmuseums*, **11**, 85–184, Brünn.
- WELLS, J.W. (1937): New genera of Mesozoic and Cenozoic corals. – *Journal of Paleontology*, **11**, 73–77, Tulsa.
- WOLF, H. (1868): Beobachtungen auf einer Excursion in die neue Welt und nach Grünbach. – *Verhandlungen der k. k. Geologischen Reichsanstalt*, **1868**, 220–222, Wien.

## Index of Species Names (Holo-, Lecto- and Neotypes)

Original name	Current name	page
<i>abbreviata</i> REUSS, 1854 [ <i>Mussa</i> ]	<i>Loboseris abbreviata</i> (REUSS, 1854) .....	154
<i>acutidens</i> (REUSS, 1854) [ <i>Fungiastraea</i> ]	<i>Fungiastraea acutidens</i> (REUSS, 1854) .....	153
<i>asperella</i> REUSS, 1854 [ <i>Agathelia</i> ]	<i>Agathelia</i> cf. <i>asperella</i> REUSS, 1854 .....	152
<i>crucifera</i> (FELIX, 1903) [ <i>Elasmogyra</i> ]	<i>Rhabdopsammia crucifera</i> (FELIX, 1903) .....	153
<i>daedalea</i> REUSS, 1854 [ <i>Pachygyra</i> ]	<i>Pachygyra daedalea</i> REUSS, 1854 .....	154
<i>edwardsi</i> REUSS, 1854 [ <i>Gyrosmilia</i> ]	<i>Astrogyra edwardsi</i> (REUSS, 1854) .....	153
<i>felixi</i> BEAUVAIS, 1982 [ <i>Brachycaulia</i> ]	<i>Brachycaulia felixi</i> BEAUVAIS, 1982 .....	153
<i>felixi</i> BEAUVAIS, 1982 [ <i>Phyllosmilia</i> ]	<i>Phyllosmilia felixi</i> BEAUVAIS, 1982 .....	154
<i>fenestrata</i> (FELIX, 1903) [ <i>Placosmilia</i> ]	<i>Placosmilia fenestrata</i> (FELIX, 1903) .....	154
<i>mammillata</i> (REUSS, 1854) [ <i>Mesomorpha</i> ]	<i>Mesomorpha mammillata</i> (REUSS, 1854) .....	154
<i>micHELINI</i> REUSS, 1854 [ <i>Maeandrina</i> ]	<i>Maeandrella micHELINI</i> (REUSS, 1854) .....	153
<i>princeps</i> REUSS, 1854 [ <i>Pachygyra</i> ]	<i>Pachygyra princeps</i> REUSS, 1854 .....	154
<i>raristella</i> REUSS, 1854 [ <i>Cyathoseris</i> ]	<i>Astraeofungia raristella</i> (REUSS, 1854) .....	153
<i>sinuosa</i> (FELIX, 1903) [ <i>Strotogyra</i> ]	<i>Strotogyra sinuosa</i> (FELIX, 1903) .....	154
<i>subasperella</i> LÖSER, 2014a [ <i>Agathelia</i> ]	<i>Agathelia subasperella</i> LÖSER, 2014a .....	152
<i>weissenbachalmensis</i> BARON-SZABO, 1999 [ <i>Corbariastraea</i> ]	<i>Corbariastraea weissenbachalmensis</i> BARON-SZABO, 1999 .....	153

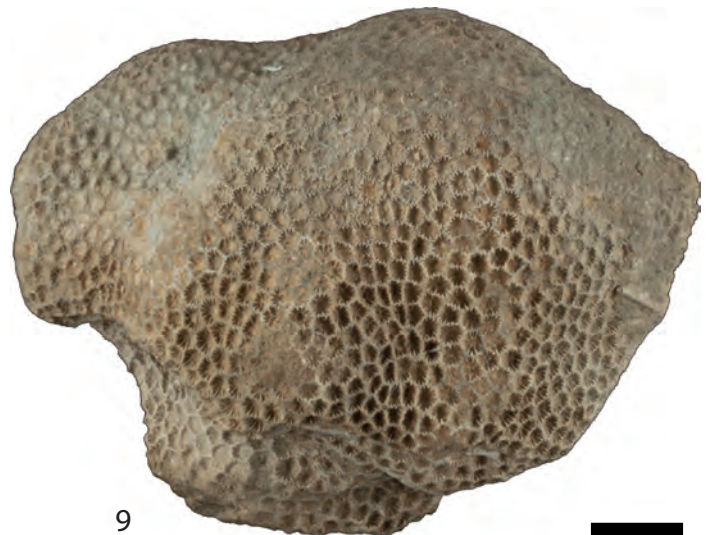
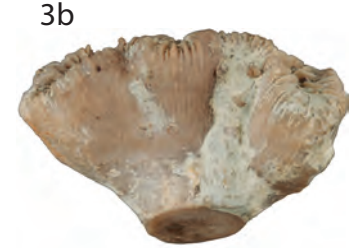
---

## Plate 1

Names of genera written as determined by the author who selected the specimen as a type.

- Figs. 1a, b: *Phyllosmilia felix* BEAUVAIS, 1982, holotype, Randograben, coll. no. GBA 1903/004/0117.
- Figs. 2a, b: *Strotogyra sinuosa* (FELIX, 1903), lectotype, Scharrergraben, coll. no. GBA 1903/004/0102/01.
- Figs. 3a, b: *Strotogyra sinuosa* (FELIX, 1903), paralectotype, Scharrergraben, coll. no. GBA 1903/004/0102/02.
- Figs. 4a, b: *Placosmilia fenestrata* (FELIX, 1903), lectotype, Scharrergraben, coll. no. GBA 1903/004/0061/11/01.
- Fig. 5: *Trochosmilia bipartita* REUSS, 1854, syntype, Gosau Valley, coll. no. GBA 2012/092/0143.
- Fig. 6: *Polytremacis partschi* REUSS, 1854, syntype, Gosau Valley, coll. no. GBA 2012/092/0119/01.
- Fig. 7: *Calamophyllia multicincta* REUSS, 1854, syntype, Gosau, coll. no. GBA 2012/092/0018/01.
- Fig. 8: *Hydnophorastraea carinata* (FELIX, 1903), paralectotype, Neffgraben, coll. no. GBA 1903/004/0030/02.
- Fig. 9: *Astrocoenia magnifica* REUSS, 1854, syntype, Scharrergraben, coll. no. GBA 2012/055/0012.
-





---

## Plate 2

Names of genera written as determined by the author who selected the specimen as a type.

Figs. 1a, b: *Cyclolites placenta* REUSS, 1854, syntype, Gosau Valley, coll. no. GBA 2012/092/0052/01.

Figs. 2a, b: *Thamnastraea exaltata* REUSS, 1854, syntype, Gosau Valley, coll. no. GBA 2012/092/0136.

Figs. 3a, b: *Cyathoseris haidingeri* REUSS, 1854, syntype, Gosau Valley, coll. no. GBA 2012/092/0031/01.

Fig. 4: *Barysmilia tuberosa* REUSS, 1854, syntype, Neffgraben, coll. no. GBA 2012/096/0005.

Fig. 5: *Thamnastraea confusa* REUSS, 1854, syntype, Gosau Valley, coll. no. GBA 2012/092/0134.

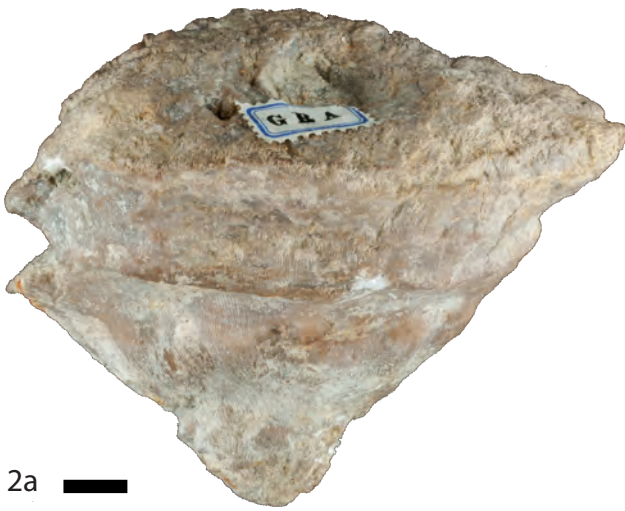
---



1a



1b



2a



2b



3a



4



3b



5

# ZOBODAT - [www.zobodat.at](http://www.zobodat.at)

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Jahrbuch der Geologischen Bundesanstalt](#)

Jahr/Year: 2015

Band/Volume: [155](#)

Autor(en)/Author(s): Zorn Irene

Artikel/Article: [Upper Cretaceous Corals Stored in the Palaeontological Collections of the Geological Survey of Austria 147-197](#)