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Annotated checklist of Recent Polyplacophora with notes on their systematics

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Abstract

The systematics of chitons is based on morphological and molecular data, which resulted in a well-resolved phylogeny, but the progress in resolving some relationships at the family and genus level has been more limited, and revisionary work is ongoing. A checklist of the 1093 accepted chiton species is presented as a platform containing a list of valid Recent species with their classification. Additionally, it contains comments on systematics and taxa position, with suggestions for possible changes. This form of an annotated catalogue, in this and future editions, allows us to clearly document systematic changes and point out the areas which are still in need of revision. The checklist also includes a section on "phylogenetic systematics", providing updates on taxa whose molecular phylogenies conflict with previous morphological treatments but whose systematics have not yet been formally clarified. We corroborate the position of *Choriplax* Pilsbry, 1894a and *Cryptochiton* von Middendorff, 1847a within Mopalioidea. A new family, Nuttallochitonidae **fam. nov.**, is established within Cryptoplacoidea to accommodate *Nuttallochiton* Plate, 1899. *Plaxiphora* Gray, 1847a is placed in the reinstated family Plaxiphoridae Iredale, 1915, which is treated here at the superfamily rank as Plaxiphoroidea, based on the existing family-group name. The genus *Icoplax* Thiele, 1893 is restored to its original taxonomic rank as a separate genus. Another revision clarifies the use of the family Ferreiraellidae Dell'Angelo & Palazzi, 1991 as a substitution of earlier Abyssochitonidae Dell'Angelo & Palazzi, 1989, as there is clear evidence that Ferreiraellidae should be the accepted family name for the species in *Ferreiraella*.

Key words: Chiton systematics, *Cryptochiton*, *Choriplax*, Ferreiraellidae, Nuttallochitonidae, Plaxiphoridae

Introduction

Currently, there are 1093 accepted chiton species included in the checklist. Their systematics is based on the integration of morphological and molecular data, resulting in a well-resolved backbone phylogeny, with three distinct orders (Callochitonida, Chitonida and Lepidopleurida), and the order Chitonida further comprising four superfamilies (Cryptoplacoidea, Mopalioidea, Chitonoidea, and Schizochitonoidea). However, progress in resolving some relationships at the genus and family level has been more limited and revisionary work remains ongoing. This checklist was conceived to create a comprehensive, citable snapshot of valid Recent species and their classification that also creates a baseline for future updates. Online databases such as the World Register of Marine Species (WoRMS) are essential and widely used resources that provide accessible, up-to-date taxonomic information. Their community-driven nature allows them to reflect ongoing changes in real time, making them invaluable for researchers and taxonomists. However, these platforms are not peer-reviewed publications, and while they are often cited as sources in systematic work, their content can vary in completeness depending on the availability of expert input for particular groups. For chitons, the most recent comprehensive and citable systematic treatment remains Sirenko (2006), although substantial advances have been made since then.

The checklist presented here responds to the need for a reference that synthesizes these developments, and presents a clearly documented overview of the current state of chiton systematics. This checklist is intended to complement online databases by offering a stable foundation that can support both users and editors in tracking and implementing systematic updates. While the flexibility of online databases is a major strength, this checklist captures the cumulative progress of nearly two decades, and provides a clear record of consensus, revisions, and directions for future investigations. Because chiton systematics is in a fluid state, this list will be updated in the future, with subsequent annotations. This format allows for the easy tracking of changes in relation to the main source material and previous versions, highlighting areas which are still in a need of revision, or marking species whose status or placement is still questioned by experts. It is important to recognize that the authors of this checklist may have different opinions on the classification of some taxa. To maintain the transparency and acknowledge these variations, we have taken care to acknowledge the different viewpoints where they arise, with applicable comments and references.

Besides this list, a supplement is provided in the form of a spreadsheet with additional comments and subspecies names. In future editions of the checklist, the supplement may also contain synonyms, and additional published or unpublished data to support revisions. A similar checklist has been developed by the tardigrade community (Degma & Guidetti 2024), and it has been continually updated and widely used. It is important to consider this checklist as a tool, not a definitive statement on chiton systematics. Taxonomic classification is subject to change and revision, and we aim to provide a reference that reflects current knowledge while anticipating future changes. This checklist

serves as a checkpoint for tracking developments and highlights areas of uncertainty or controversy, offering a structured approach for documenting these issues. The annotations indicate either areas of uncertainty or corrections compared to the current status of major sources; the notes cite our individual opinions and the relevant sources. These annotations represent clearly documented expert perspectives intended to guide others, with the goal of reducing dependency on individual specialists as gatekeepers, and ensuring that anyone interested in this group has access to well-supported starting points for future research. Not every species is controversial, and so annotations only appear for taxa where further investigation is most clearly required or would most likely produce further systematic change. Available literature on chiton systematics was carefully cross-checked, but it has to be noted that we do not present all possible opinions; thus, the reader should not be surprised to find papers presenting contradictory results. Among the sources used, we have cited some unpublished research (such as PhD theses) where they are available to us and present a thorough revision on certain taxa. We have applied our expert judgement to the balance of evidence for certain systematic issues.

The body text of this publication contains a section for "Phylogenetic Systematics", to summarise significant changes since the previous version (in this case, to clarify the most important deviations from the main source material). This section also presents revisionary changes that require a diagnosis (ICZN Art. 13). The checklist of species and their classification compiled here was based on combined sources: Kaas & Van Belle 1998; Okusu *et al*. 2003; Sirenko 2006; Sigwart *et al*. 2013; Giribet & Edgecombe 2020; Irisarri *et al*. 2020; Liu *et al*. 2023; Granpoder *et al*. 2023; World Register of Marine Species (WoRMS). The checklist is complete for living species described up to the end of 2025.

Phylogenetic systematics

There are a few genera that require more comprehensive comments in terms of their systematic classification: *Choriplax* Pilsbry, 1894a, *Cryptochiton* von Middendorff, 1847a, *Nuttallochiton* Plate, 1899, and *Plaxiphora* Gray, 1847a. In these genera, former morphology-based classifications have been contradicted by results from molecular phylogenies. In all these cases, data from molecular studies have been highly consistent over a long period of time. In some cases, this has already been adopted in published systematic revisions, but not yet adopted in the main source materials (MolluscaBase, WoRMS). We take the opportunity to clarify the phylogenetic systematics of these genera here.

The enigmatic genus *Choriplax* is the monotypic representative of the family Choriplacidae and was traditionally placed in the superfamily Cryptoplacoidea, but this placement was always controversial because of contradictory morphological characters. The only molecular study which included this genus (Sigwart *et al*. 2013) retained *Choriplax* in Mopalioidea. Sigwart *et al*. (2013) proposed different shell reduction mechanisms in Mopalioidea and Cryptoplacoidea, and since *Choriplax* shares the same mechanism with the other members of Mopalioidea, we consider its placement in this superfamily as valid based on available molecular and morphological evidence (but see also the comments on the checklist).

Cryptochiton is a monotypic genus from the North Pacific; it was placed in the family Acanthochitonidae in the morphological systematic treatment of Sirenko (2006), but multiple lines of evidence (e.g., Okusu *et al*. 2003; Saito 2004; Eernisse *et al*. 2007; Buckland-Nicks 2008; Kelly & Eernisse 2008; Sigwart *et al*. 2013; Sirenko *et al*. 2013; Irisarri *et al*. 2020) show its placement in Mopaliidae (*contra* WoRMS, MolluscaBase, accessed in December 2025). Since the position of *Cryptochiton* in Mopaliidae is stable in all molecular phylogenies, this is its position in this checklist.

Nuttallochiton was traditionally considered to be a member of the family Mopaliidae, but two recent phylogenomic studies recovered it in Cryptoplacoidea (Irisarri *et al*. 2020; Liu *et al*. 2023), in line with most of the other molecular studies based on nuclear and mitochondrial markers (e.g., Okusu *et al*. 2003; Sigwart *et al*. 2013).

Plaxiphora morphologically closely resembles *Mopalia*, and thus traditionally was placed in Mopaliidae. However, molecular evidence consistently recovers it as a sister lineage to (Cryptoplacoidea + Mopalioidea) and thus, it seems that *Plaxiphora* comprises its own superfamily.

Icoplax was originally described by Thiele (1893) based on the radula morphology. Subsequently, it was treated as a junior subjective synonym and included within *Callochiton.* Considering both morphological and molecular evidence, it seems reasonable to restore *Icoplax* to its original status as a distinct genus.

In this checklist, we acknowledge the position of *Cryptochiton* and *Choriplax* within Mopalioidea as there are both morphological and molecular studies confirming their position. We now establish a new family for *Nuttallochiton*, and establish a new superfamily while reinstating the family Plaxiphoridae for *Plaxiphora*, to reflect the consensus of molecular-based evidence for the unique placement of these species. Establishment of new family-group names requires a diagnosis (ICZN Art 13.2, Art 13.1.1), and has to be based on an available genus-group name (Art 13.2), and these are provided below.

Another revision clarifies the use of the family name Ferreiraellidae Dell'Angelo & Palazzi, 1991. Sirenko (1988) identified a new genus from the novel species *Ferreiraella caribbensis* Sirenko, 1988 and revised several other species to this new genus. Simultaneously, Dell'Angelo & Palazzi (1989) erected a new genus "*Abyssochiton*" to accommodate *Lepidopleurus scrippsianus* Ferreira, 1980—one of the species included by Sirenko (1988) in *Ferreiraella*—and a new family, Abyssochitonidae. Having seen Sirenko's (1988) work while Dell'Angelo & Palazzi's (1989) paper was in press, they added a postscript in the published article acknowledging their taxon as a junior synonym. The Code states that a family-group name must be established based on a "genus the name of which [the author] regards as valid" (ICZN Art. 64). The change in status of a genus name to a junior synonym does not cause a change in a family name (ICZN Art. 40.1), but the critical point is whether the name *Abyssochiton* was ever valid. The text of Article 11.7.1.1 states that "use of the stem alone in forming the name is accepted as evidence that the author used the generic name as valid in the new family-group taxon *unless there is evidence to the contrary*" [emphasis added]. Both relevant articles (Art. 11.7, Art. 40.1) note that the stem genus name must be valid at the time a new family is established. Since the authors clearly wrote in the original publication that the genus *Abyssochiton* was already a junior synonym at the time of its publication (Dell'Angelo & Palazzi 1989), and the same authors subsequently published the family name Ferreiraellidae as a substitution of their own earlier Abyssochitonidae (Dell'Angelo & Palazzi 1991), there is clear evidence that the authors did not ever regard *Abyssochiton* as valid. Therefore, Ferreiraellidae is the accepted family name for the species in *Ferreiraella*.

Additionally, we take the opportunity for smaller systematics changes, and such changes are always commented in the respective annotation with a source supporting it. In one case, the type species of the genus *Radsia* Gray, 1847b, *R. barnesii* (Gray, 1828) was transferred to the genus *Chiton* Linnaeus, 1758. This transfer rendered *Radsia* invalid, as the genus name becomes invalid once the type species is moved to a different genus. However, the remaining three species of *Radsia* were not initially transferred. We have now transferred these species to the same genus as their type species, thereby confirming that *Radsia* is no longer a valid genus. We removed the subfamily Acanthochitoninae Pilsbry, 1893; after transferring *Cryptochiton* to Mopaliidae, the subfamily Cryptochitoninae Pilsbry, 1893 becomes a junior synonym of Mopaliidae, and Acanthochitoninae remains the only subfamily in Acanthochitonidae Pilsbry, 1893. We do not use subfamily Mopaliinae Dall, 1889a nor the suborder Lepidopleurina Thiele, 1909 in the checklist, as we focus only on Recent taxa, and these ranks are meaningless without also presenting fossil species. We do not present subspecies in the main document, as often they represent a morphological variety of a species. However, until more data are available, we currently do not consider them invalid; their names are presented in the supplement and in the event that the subspecies is elevated to species rank, the name would be transferred into future editions of the checklist.

There are several genera in which taxonomy is very confused, i.e., *Chiton*, *Ischnochiton*, *Leptochiton*, and they require thorough integrative revisions; such work falls outside the scope of the checklist. Some early authors created subgenera to indicate groups of morphologically similar species, which were later treated as a junior subjective synonym; however, some of these were still recognized in other work such as the monograph of Pilsbry (1892–1894) and the monograph series of Kaas & Van Belle (1985–2006). We have commented on these taxa to indicate morphological groups of species; however, we underline that those systematic arrangements could change after ongoing research.

Superfamily Plaxiphoroidea Iredale, 1915

Family Plaxiphoridae Iredale, 1915 (reinstatement)

Diagnosis: As for the genus. Chitons of small to large size, mucro more or less terminal, slit formula ca. 8/1/sinus (callus), girdle covered with diverse productions in form of chitinous spines, calcareous spicules, sutural tufts (after Kaas & Van Belle 1994). Egg hulls with massive, bladder-shaped appendages (after Sirenko 1993).

This family is separated from other chitons on the basis of phylogenetic topology (Okusu *et al*. 2003; Sigwart *et al*. 2013; Irisarri *et al*. 2020; Liu *et al*. 2023). A majority of published analyses recover species of the genus *Plaxiphora* as sister to (Cryptoplacoidea + Mopalioidea).

Type genus and only member: *Plaxiphora* Gray, 1847a.

Family Nuttallochitonidae fam. nov.

Diagnosis: As for the genus. Chitons of medium to large size, elongate oval, carinated, tegmentum sculptured with low, radiating ribs and dispersed, minute pustules, apophyses continuous across jugum, girdle with short, thick spicules, interspersed with single or groups of longer spicules (after Kaas & Van Belle 2003). Egg hulls with massive, bladder-shaped appendages. Residual sinus (after Sirenko 1993). Mucro at about two-thirds of tail valve length. Slit number 8-10/1/6-8. Gills holobranchial, abanal.

This family is separated from other chitons on the basis of phylogenetic topology. Published analyses (Okusu *et al*. 2003; Sigwart *et al*. 2013; Irisarri *et al*. 2020; Liu *et al*. 2023) recover species of the genus *Nuttallochiton* as the earliest diverging lineage within the superfamily Cryptoplacoidea.

Type genus and only member: *Nuttallochiton* Plate, 1899.

Genus *Icoplax* Thiele, 1893 (reinstatement)

Diagnosis: The genus is separated from *Callochiton* based on the morphology and molecular data. The radula of the type species differs from the *Callochiton* radula-type (missing asymmetry, presence of major uncinal tooth, different shape of head of major lateral teeth, larger number of teeth rows), and wider and shorter dorsal spicules (for detailed description, see: Thiele 1893, Plate 1899). Sigwart et al. (2013) recovered species from the genus, including the type species, as a sister clade to *Callochiton* s.s.

Members: *Icoplax bouveti* Thiele, 1906, *Icoplax gaussae* Thiele, 1908, *Icoplax punicea* (Gould, 1846), *Icoplax septemcostata* (Bergenhayn, 1933), *Icoplax steinenii* (Pfeffer in von Martens & Pfeffer, 1886).

Type species: *Icoplax steinenii* (Pfeffer in von Martens & Pfeffer, 1886).

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As a final note to all users of this checklist, please contact us if you find any mistakes, missing taxa, or you have published new data (e.g., species description, systematic revision)—all of these will improve future versions of the checklist. Your input will be acknowledged.

Checklist of Polyplacophora

As of December 2025, there are 1093 accepted chiton species included in the checklist. The species written in bold are type species of the genus. Comments are provided within square brackets "[ ]" or as annotations to the right of the relevant species; the author of each comment is indicated by their initials. Beneath each family and genus, the number of species is indicated. AphiaID is the database identifier used in WoRMS.

Class Polyplacophora Gray, 1821 AphiaID: 55
Subclass Neoloricata Bergenhayn, 1955 AphiaID: 57
Order Lepidopleurida Thiele, 1909 AphiaID: 58
Family Ferreiraellidae Dell'Angelo & Palazzi, 1991 AphiaID: 385488
[previous name of the family, Abyssochitonidae, is invalid, ICZN Art. 11.7.1.1]
[9 spp.]

Genus *Ferreiraella* Sirenko, 1988 AphiaID: 385540
[9 spp.]

Ferreiraella bartlettae (A. J. Ferreira, 1986a) AphiaID: 385764

Ferreiraella caribbensis Sirenko, 1988 AphiaID: 385765

Ferreiraella charazata Sigwart, 2025 in SOSA *et al*. 2025 AphiaID: 1838974

Ferreiraella plana (Nierstrasz, 1905a) AphiaID: 385766

Ferreiraella scrippsiana (A. J. Ferreira, 1980) AphiaID: 385767

Ferreiraella soyomaruae (S.-K. Wu & Okutani, 1984) AphiaID: 385768

Ferreiraella takii (S.-K. Wu & Okutani, 1984) AphiaID: 385769

Ferreiraella tsuchidai Saito, 2006 AphiaID: 385770

Ferreiraella xylophaga (Gowlett-Holmes & A. M. Jones, 1992) AphiaID: 385772 This species includes a subspecies (see supplement).

Family Leptochitonidae Dall, 1889a AphiaID: 59
[175 spp.]
Genus *Belknapchiton* Sirenko, Saito & Schwabe, 2022 AphiaID: 1610473
[22 spp.]

Belknapchiton aequispinus (Bergenhayn, 1933) AphiaID: 1610475

Belknapchiton alveolus (M. Sars MS, Lovén, 1846) AphiaID: 1610477

Belknapchiton ater (Saito, 1997) AphiaID: 1610481

Belknapchiton australis Sirenko, 2023a AphiaID: 1673108

Belknapchiton belknapi (Dall, 1878) AphiaID: 1610474

Belknapchiton benthus (Haddon, 1886) AphiaID: 1610483

Belknapchiton bergenhayni (Saito, 2011) AphiaID: 1610484

Belknapchiton costatoacus (Sirenko, 2020a) AphiaID: 1610506

Belknapchiton fijiensis (Sirenko, 2016a) AphiaID: 1610527

Belknapchiton giganteus (Nierstrasz, 1905a) AphiaID: 1610530

Belknapchiton halistreptus (Dall, 1902) AphiaID: 1610532 This species includes a subspecies (see supplement).

Belknapchiton japonicus (Thiele, 1909) AphiaID: 1610539

Belknapchiton kaasi (Sirenko, 1990) AphiaID: 1610540

Belknapchiton macleani (Sirenko, 2015a) AphiaID: 1610541

Belknapchiton mutschkeae (Sirenko, 2015a) AphiaID: 1610542

Belknapchiton okamurai (Saito, 2001) AphiaID: 1610543

Belknapchiton opiparus (Iredale & Hull, 1925a) AphiaID: 1610544

Belknapchiton seishinmaruae (Saito, 1997) AphiaID: 1610545

Belknapchiton sigwartae (Sirenko, 2015a) AphiaID: 1610546

Belknapchiton similis (E. A. Smith, 1894) AphiaID: 1610547

Belknapchiton simplex (Nierstrasz, 1905a) AphiaID: 1610548

Belknapchiton taiwanensis (Sirenko, 2018a) AphiaID: 1610549

Genus *Kaasichiton* Sirenko, 2024a AphiaID: 1765200

[4 spp.]

Kaasichiton incubatus (Sirenko, 2017a) AphiaID: 1765221

Kaasichiton ionensis Sirenko, 2024a AphiaID: 1765222

Kaasichiton kamchatkensis Sirenko, 2024a AphiaID: 1765223

Kaasichiton lukini (Sirenko, 1990) AphiaID: 1765203

Genus *Leptochiton* Gray, 1847c AphiaID: 138117

[121 spp.]

Leptochiton alascensis (Thiele, 1909) AphiaID: 385774	Member of the *rugatus* s.s./*assimilis* species group. (BIS, JDS)
Leptochiton albemarlensis A. G. Smith & A. J. Ferreira, 1977 AphiaID: 385775	
Leptochiton algesirensis (Capellini, 1859) AphiaID: 140196	
Leptochiton americanus Kaas & Van Belle, 1985a AphiaID: 385776	
Leptochiton amsterdamensis Kaas & Van Belle, 1990 AphiaID: 385777	
Leptochiton angustidens Sigwart & Sirenko, 2012 AphiaID: 595677	
Leptochiton antarcticus Sirenko, 2015b AphiaID: 867508	
Leptochiton arcticus (G. O. Sars, 1878) AphiaID: 140198	
Leptochiton asellus (Gmelin, 1791) AphiaID: 140199	
Leptochiton assimilis (Thiele, 1909) AphiaID: 367858	Member of the *rugatus* s.s./*assimilis* species group. (BIS, JDS)
Leptochiton badius (Hedley & Hull, 1909) AphiaID: 385779	
Leptochiton batialis Sirenko, 1978 AphiaID: 385780	Member of the *sykesi* species group. (BIS, JDS)
Leptochiton bedullii Dell'Angelo & Palazzi, 1986 AphiaID: 140200	
Leptochiton benthedi (Leloup, 1981) AphiaID: 385782	Member of the *kurnilatus* species group. (BIS, JDS)
Leptochiton beui Sirenko, 2020b AphiaID: 1459049	
Leptochiton binghami (Boone, 1928) AphiaID: 385783	Likely not in *Leptochiton*. (ES) Member of the *rissoi* species group in the family Nierstraszellidae. (BIS)
Leptochiton blikshteyni Sirenko, 2019a AphiaID: 1366084	
Leptochiton boucheti Sirenko, 2001 AphiaID: 385784	
Leptochiton cancellatus (G. B. Sowerby II, 1840) AphiaID: 140201	
Leptochiton cancelloides Kaas, 1982 AphiaID: 385785	
Leptochiton cascadiensis Sigwart & C. Chen, 2017 AphiaID: 989966	Member of the *rugatus* s.s./*assimilis* species group. (BIS, JDS)

Leptochiton chariessa (Barnard, 1963) AphiaID: 385786	
Leptochiton cimicoides (di Monterosato, 1879) AphiaID: 140202	
Leptochiton collusor (Iredale & Hull, 1925a) AphiaID: 385787	
Leptochiton columnarius (Hedley & May, 1908) AphiaID: 385788	
Leptochiton commandorensis Sirenko, 2017a AphiaID: 991755	
Leptochiton compostellanum Carmona Zalvide & Urgorri, 1999 AphiaID: 140203	Member of the *compostellanum* species group. (BIS, JDS)
Leptochiton consimilis Sigwart & Sirenko, 2012 AphiaID: 595676	
Leptochiton darioi (Righi, 1973) AphiaID: 385789	
Leptochiton deforgesi Sirenko, 2001 AphiaID: 385791	Member of the *vitjazae* species group. (BIS, JDS)
Leptochiton denhartogi Strack, 2003 AphiaID: 385792	
Leptochiton dispersus Kaas, 1985a AphiaID: 385793	
Leptochiton dykei Sigwart & Sirenko, 2012 AphiaID: 595678	
Leptochiton fairchildi (Iredale & Hull, 1929) AphiaID: 385794	
Leptochiton ferreirai Sirenko & Sellanes, 2016 AphiaID: 888181	Member of the *compostellanum* species group. (BIS, JDS)
Leptochiton finlayi (Ashby, 1929) AphiaID: 385795	
Leptochiton foresti (Leloup, 1981) AphiaID: 385796	Member of the *saitoi* species group. (BIS, JDS)
Leptochiton freiwaldi Dell'Angelo, Sosso & Taviani, 2024 AphiaID: 1767245	
Leptochiton fuliginatus (Reeve, 1847a) AphiaID: 385797	
Leptochiton gascognensis Kaas & Van Belle, 1985a AphiaID: 140204	
Leptochiton geronensis Kaas & Van Belle, 1985a AphiaID: 140205	
Leptochiton gloriosus Kaas, 1985b AphiaID: 385798	
Leptochiton gowlettholmesae Sirenko, 2023a AphiaID: 1673106	
Leptochiton guadelupei Sirenko, 2018b AphiaID: 1322265	
Leptochiton habei Saito, 1997 AphiaID: 385799	
Leptochiton hakodatensis (Thiele, 1909) AphiaID: 385800	
Leptochiton hirasei (Is. Taki & Iw. Taki, 1929a) AphiaID: 385801	
Leptochiton hiriensis Schwabe & Lozouet, 2006 AphiaID: 385802	
Leptochiton hodgsoni (Sirenko, 2000) AphiaID: 1557772	
Leptochiton ibanezi Sirenko & Sellanes, 2016 AphiaID: 888180	Member of the *sykesi* species group. (BIS, JDS)
Leptochiton incongruus (Dall, 1908) AphiaID: 385803	Member of the *rissoi* species group, with affinity to the family Nierstraszellidae. (BIS). Likely not in *Leptochiton*. (ES)
Leptochiton inquinatus (Reeve, 1847b) AphiaID: 385804	
Leptochiton juvenis (Leloup, 1981) AphiaID: 385806	Member of the *saitoi* species group. (BIS, JDS)
Leptochiton kantori Sirenko, 2016a AphiaID: 887250	
Leptochiton kerguelensis Haddon, 1886 AphiaID: 385808	

Leptochiton kurnilatus Kaas, 1985b AphiaID: 385809	Member of the *kurnilatus* species group. (BIS, JDS)
Leptochiton lascrusesi Sirenko, 2015a AphiaID: 862821	
Leptochiton latidens (Bergenhayn, 1933) AphiaID: 385810	
Leptochiton laurae Schwabe & Sellanes, 2010 AphiaID: 465527	Member of the *sykesi* species group. (BIS, JDS)
Leptochiton leloupi Kaas, 1979a AphiaID: 140206	
Leptochiton linseae Sirenko, 2015a AphiaID: 862823	Member of the *compostellanum* species group. (BIS, JDS)
Leptochiton liratellus (Iredale & Hull, 1925a) AphiaID: 385811	
Leptochiton liratus (H. Adams & Angas, 1864) AphiaID: 385812	
Leptochiton longibranchiae Sirenko, 2015a AphiaID: 862822	
Leptochiton longigranum Sirenko, 2020a AphiaID: 1610559	
Leptochiton longisetosus Sigwart & Sirenko, 2012 AphiaID: 595680	
Leptochiton longispinus Saito, 2001 AphiaID: 458301	Member of the *rissoi* species group, with affinity to the family Nierstraszellidae. Likely not in *Leptochiton*. (BIS)
Leptochiton luridus (Dall, 1902) AphiaID: 1542224	Member of the *vitjazae* species group. (BIS)
Leptochiton madagascaricus Sirenko, 2019a AphiaID: 1366083	
Leptochiton marshalli Sirenko, 2020b AphiaID: 1459050	
Leptochiton matthewsianus (Bednall in Bednall & Matthews, 1906) AphiaID: 385814	
Leptochiton medinae (Plate, 1899) AphiaID: 385815	Member of the *sykesi* species group. (BIS, JDS)
Leptochiton meiringae Kaas, 1985a AphiaID: 385816	
Leptochiton micropustulosus Kaas, 1994 AphiaID: 385817	
Leptochiton milwaukensis Sirenko, 2024b AphiaID: 1759155	
Leptochiton muelleri Sirenko & Schwabe, 2011 AphiaID: 579362	
Leptochiton myeikensis Saito & Aung, 2021 AphiaID: 1512960	
Leptochiton neocaledonicus Sirenko, 2016a AphiaID: 887249	
Leptochiton nexus Carpenter, 1864 AphiaID: 385818	In the molecular study of Irisarri *et al*. 2020 was recovered closer to *Hanleyella* than to *Leptochiton*. BIS suggests checking the voucher specimen, as *L. nexus* Carpenter, 1864 is similar to *Hanleyella oldroydi* (Dall, 1919).
Leptochiton nierstraszi (Leloup, 1981) AphiaID: 385819	
Leptochiton odhneri (Bergenhayn, 1931) AphiaID: 140207	
Leptochiton otagoensis (Iredale & Hull, 1929) AphiaID: 385822	
Leptochiton pepezamorai Carmona Zalvide, Urgorri & García, 2004 AphiaID: 234141	
Leptochiton pergranatus Dall, 1889b AphiaID: 385823	
Leptochiton permodestus Kaas, 1985a AphiaID: 385824	
Leptochiton perscitus Kaas, 1991 AphiaID: 385825	
Leptochiton persianus Sirenko, 2022 AphiaID: 1591742	
Leptochiton peruvianus Sirenko, 2015a AphiaID: 862824	
Leptochiton pseudogloriosus Strack, 1991 AphiaID: 140208	

Leptochiton pumilus Sirenko & Saito, 2020 AphiaID: 1472623	
Leptochiton rarinotus (Jeffreys, 1883) AphiaID: 385826	
Leptochiton rissoi (Nierstrasz, 1905a) AphiaID: 385827	Member of the *rissoi* species group, with affinity to the family Nierstraszellidae. (BIS). Likely not in *Leptochiton*. (ES)
Leptochiton rogeri Sigwart & Sirenko, 2015 AphiaID: 853149	
Leptochiton rugatus (Carpenter in Pilsbry, 1892) AphiaID: 367856	Member of the *rugatus* s.s./*assimilis* species group. (BIS, JDS)
Leptochiton saitoi Sirenko, 2001 AphiaID: 385828	Member of the *saitoi* species group. (BIS, JDS)
Leptochiton samadiae Sigwart & Sirenko, 2012 AphiaID: 595679	
Leptochiton sanmatiensis Güller, Liuzzi & Zelaya, 2015 AphiaID: 847883	Member of the *compostellanum* species group. (BIS, JDS)
Leptochiton sarsi Kaas, 1981 AphiaID: 140210	Member of the *sykesi* species group. (BIS, JDS)
Leptochiton scabridus (Jeffreys, 1880) AphiaID: 140211	
Leptochiton schwabei Sigwart & Sirenko, 2012 AphiaID: 595682	
Leptochiton setiger (Nierstrasz, 1905a) AphiaID: 1648723	Type species of a currently not used (sub)genus, *Pilsbryella*.
Leptochiton smirnovi Sirenko, 2016b AphiaID: 884944	
Leptochiton sperandus (Iredale & Hull, 1925a) AphiaID: 385830	
Leptochiton spiniferus Sirenko, 2020a AphiaID: 1610560	Sirenko (2020) indicated diagnostic differences but may be synonym of *Leptochiton setiger* (Nierstrasz, 1905a). (ES)
Leptochiton subantarcticus (Iredale & Hull, 1930) AphiaID: 385831	
Leptochiton subrugatus Sirenko & Sigwart, 2021 AphiaID: 1521910	Member of the *rugatus* s.s./*assimilis* species group. (BIS, JDS)
Leptochiton surugensis Saito, 1997 AphiaID: 385832	
Leptochiton sykesi (G. B. Sowerby III, 1903) AphiaID: 385833	Member of the *sykesi* species group. (BIS, JDS)
Leptochiton tahitiensis Sirenko, 2020c AphiaID: 1444305	
Leptochiton tenuis Kaas, 1979a AphiaID: 140212	
Leptochiton thalattius Kaas & Van Belle, 1985a AphiaID: 140213	
Leptochiton thandari Sirenko, 2001 AphiaID: 385835	Member of the *vitjazae* species group. (BIS, JDS)
Leptochiton torishimensis (S.-K. Wu & Okutani, 1984) AphiaID: 385836	Member of the *saitoi* species group. (BIS, JDS)
Leptochiton troncosoi Carmona Zalvide, Urgorri & García, 2004 AphiaID: 234140	Member of the *sykesi* species group. (BIS, JDS)
Leptochiton vanbellei Sirenko, 2001 AphiaID: 385837	Member of the *vitjazae* species group. (BIS, JDS)
Leptochiton vanuatuensis Sirenko, 2016a AphiaID: 887251	
Leptochiton vaubani Kaas, 1991 AphiaID: 385838	
Leptochiton vietnamensis Sirenko, 1998 AphiaID: 385839	Member of the *rissoi* species group with likely affinity to the family Nierstraszellidae. (BIS)
Leptochiton vitjazae (Sirenko, 1977) AphiaID: 385840	Member of the *vitjazae* species group. (BIS, JDS)
Leptochiton wui Sirenko, 2018a AphiaID: 1255214	
Leptochiton xanthus Kaas & Van Belle, 1990 AphiaID: 140214	

Genus *Lepidopleurus* Risso, 1826 AphiaID: 138116

[1 sp.]

Lepidopleurus cajetanus (Poli, 1791) AphiaID: 140194	This is a complex of two species (Colomba et al. 2022).

Genus *Parachiton* Thiele, 1909 AphiaID: 152709

[22 sp.]

Parachiton acuminatus (Thiele, 1909) AphiaID: 385844	
Parachiton africanus (Nierstrasz, 1906) AphiaID: 385845	
Parachiton canistrus Saito, 1996 AphiaID: 385846	
Parachiton capricornicus Iredale & Hull, 1925a AphiaID: 385847	
Parachiton communis Saito, 1996 AphiaID: 385848	
Parachiton eos Saito, 1996 AphiaID: 385849	
Parachiton eugenei (Kaas & Van Belle, 1985a) AphiaID: 385850	
Parachiton fornix (Kaas & Van Belle, 1985a) AphiaID: 385851	
Parachiton guamensis Saito, 1996 AphiaID: 385852	
Parachiton hylkiae (Strack, 1993) AphiaID: 386611	This species includes a subspecies (see supplement).
Parachiton indecorus (Kaas & Van Belle, 1990) AphiaID: 385856	
Parachiton jordanensis (Anseeuw & Terryn, 2004) AphiaID: 385857	
Parachiton laevisquamatus Sirenko, 2015c AphiaID: 866670	
Parachiton latus Saito, 1996 AphiaID: 385858	
Parachiton lifuensis (Hull & Risbec, 1931) AphiaID: 1557770	ES considers it a synonym of *Parachiton acuminatus* (Thiele, 1909).
Parachiton litoreus Iredale & Hull, 1925a AphiaID: 385859	
Parachiton mestayerae Iredale, 1914 AphiaID: 385860	
Parachiton politus Saito, 1996 AphiaID: 385861	
Parachiton puppis Hull, 1923 AphiaID: 385862	
Parachiton ronaldi (Kaas & Van Belle, 1985a) AphiaID: 385863	
Parachiton shinyomaruae Saito, 1996 AphiaID: 385864	
Parachiton textilis Powell, 1937 AphiaID: 385865	

Genus *Pycnodontochiton* Sirenko, J.L. Zhang & Sigwart, 2025 AphiaID: 1838976

[2 sp.]

Pycnodontochiton sinensis Sirenko, J.L. Zhang & Sigwart, 2025 in SOSA *et al*. 2025 AphiaID: 1838977	
Pycnodontochiton tenuidontus (Saito & Okutani, 1990) AphiaID: 385834	Transferred from *Leptochiton* by Sirenko, Zhang & Sigwart (SOSA *et al.* 2025).

Genus *Terenochiton* Iredale, 1914 AphiaID: 385629

[3 spp.]

Terenochiton bednalli (Torr, 1912a) AphiaID: 385781	Transferred from *Leptochiton* by Schwabe & Sirenko (2020).
Terenochiton nomurai Sirenko & Saito, 2020 AphiaID: 1472624	
Terenochiton norfolcensis (Hedley & Hull, 1912) AphiaID: 1351397	

Family Nierstraszellidae Sirenko, 1992 AphiaID: 385489

[2 spp.]

Genus *Nierstraszella* Sirenko, 1992 AphiaID: 385542

[2 spp.]

Nierstraszella andamanica (E. A. Smith, 1906) AphiaID: 413529	Possibly a separate genus to *Nierstraszella* s.s. in Nierstraszellidae with the *Leptochiton rissoi* species group. (BIS)
Nierstraszella lineata (Nierstrasz, 1905a) AphiaID: 385866	

Family Protochitonidae Ashby, 1925 AphiaID: 385491

[10 spp.]

Genus *Deshayesiella* Carpenter in Dall, 1878 AphiaID: 385543

[4 spp.]

Deshayesiella curvata (Carpenter in Dall, 1878) AphiaID: 385869	Kaas and Van Belle considered this a *nomen nudum* in Dall; however, Dall 1878 provides an indication (per ICZN Art 12.2.6) of the description by monotypy.
Deshayesiella sinica (F.-S. Xu, 1990) AphiaID: 385870	Possibly a member of the *Leptochiton rissoi* species group with likely affinity to the family Nierstraszellidae. (BIS)
Deshayesiella sirenkoi Saito, Fujikura & Tsuchida, 2008 AphiaID: 385871	
Deshayesiella spicata (S. S. Berry, 1919a) AphiaID: 385872	

Genus *Hanleyella* Sirenko, 1973 AphiaID: 367887

<Transferred from Leptochitonidae based on Sigwart *et al.* 2011, and supported by the analyses in Sigwart 2017.>

[4 spp.]

Hanleyella asiatica Sirenko, 1973 AphiaID: 367888

Hanleyella henrici Sigwart & C. Chen, 2018 AphiaID: 1316306

Hanleyella japonica Saito, 1997 AphiaID: 385842

Hanleyella oldroydi (Bartsch MS, Dall, 1919) AphiaID: 385843

Genus *Oldroydia* Dall, 1894 AphiaID: 385626

[Probably not a separate genus from *Deshayesiella*. (ES, BIS, JDS). Also noted in earlier observations (Stebbins & Eernisse 2009).]

[2 spp.]

Oldroydia bidentata Is. Taki, 1938a AphiaID: 387064

Oldroydia percrassa (Dall, 1894) AphiaID: 488022

Family Hanleyidae Bergenhayn, 1955 AphiaID: 418

[6 spp.]

Genus *Hanleya* Gray, 1857 AphiaID: 138058

[6 spp.]

Hanleya brachyplax Jardim & Simone, 2010 AphiaID: 557456	
Hanleya hanleyi (Bean in Thorpe, 1844) AphiaID: 140082	
Hanleya harasewychi Sirenko, 2014 AphiaID: 819732	Likely a synonym of *H. dalli* Kaas, 1957 (which is currently considered a junior synonym of *H. hanleyi*). (ES)
Hanleya mediterranea Sirenko, 2014 AphiaID: 819733	
Hanleya schwabei Dell'Angelo, Sosso & Taviani, 2024 AphiaID: 1767247	
Hanleya tropicalis Dall, 1881 AphiaID: 386602	

Order Callochitonida Giribet & Edgecombe, 2020 AphiaID: 1484176
Superfamily Callochitonoidea Plate, 1901
Family Callochitonidae Plate, 1901 AphiaID: 385492
[52 spp.]
Genus *Callochiton* Gray, 1847b AphiaID: 138085
[42 spp.]

Callochiton bayeri Schwabe, 1998 AphiaID: 385873	
Callochiton calcatus Dell'Angelo & Palazzi, 1994 AphiaID: 140131	
Callochiton christamariae Schwabe, 2003 AphiaID: 385874	
Callochiton cinnabaris Kaas & Van Belle, 1985b AphiaID: 385875	
Callochiton clausadeae Kaas & Van Belle, 1985b AphiaID: 385876	
Callochiton crocinus (Reeve, 1847b) AphiaID: 385877	
Callochiton cupreus Dell'Angelo, Prelle, Sosso & Bonfitto, 2012 AphiaID: 707639	
Callochiton dawydoffi Sirenko, 2012 AphiaID: 708956	
Callochiton dentatus (Spengler, 1797) AphiaID: 385910	
Callochiton deshayesi Thiele, 1909 AphiaID: 385881	
Callochiton doriae (Capellini, 1859) AphiaID: 1289158	
Callochiton elongatus May, 1920 AphiaID: 385882	
Callochiton empleurus (F. W. Hutton, 1872) AphiaID: 385883	
Callochiton foveolatus (Is. Taki, 1938b) AphiaID: 385885	
Callochiton herberti Kaas & Van Belle, 1990 AphiaID: 385886	
Callochiton jeareyae Dell'Angelo & Mifsud, 1998 AphiaID: 385887	
Callochiton kapitiensis Mestayer, 1926 AphiaID: 385888	
Callochiton klemi Ashby, 1926 AphiaID: 385889	
Callochiton klemioides Leloup, 1937 AphiaID: 385890	
Callochiton levatus Kaas & Van Belle, 1998 AphiaID: 385891	
Callochiton longispinosus Leloup, 1952 AphiaID: 385892	
Callochiton mayi Torr, 1912b AphiaID: 385878	This species includes a subspecies (see supplement).
Callochiton mortenseni Odhner, 1924 AphiaID: 385893	
Callochiton multidentatus (Carpenter in Pilsbry, 1892) AphiaID: 385894	
Callochiton mumuena Schwabe & Slieker, 2001 AphiaID: 385895	
Callochiton neocaledonicus Kaas & Van Belle, 1990 AphiaID: 385879	
Callochiton oligosulculatus Kaas & Van Belle, 1985b AphiaID: 385896	
Callochiton perscrutandus (Iredale & Hull, 1929) AphiaID: 385897	
Callochiton princeps Carpenter in Pilsbry, 1892 AphiaID: 385880	
Callochiton rufus Ashby, 1900 AphiaID: 385898	

Callochiton saotomensis Dell'Angelo, Schwabe, Gori, Sosso & Bonfitto, 2014 AphiaID: 767164	
Callochiton schilfi Schwabe & Ruthensteiner, 2001 AphiaID: 385899	
Callochiton septemvalvis (Montagu, 1803) AphiaID: 140132	
Callochiton sonchaensis Sirenko, 2018c AphiaID: 1063059	Possibly a junior synonym of *Callochiton cinnabaris* Kaas & Van Belle, 1985b. (ES)
Callochiton stefaniae Dell'Angelo, Renda, Sosso, Sigwart & Giacobbe, 2017 AphiaID: 1054376	
Callochiton sublaevis Sykes, 1903 AphiaID: 385900	Potentially a synonym of *C. septemvalvis* (Montagu, 1803). (BIS)
Callochiton subsulcatus Kaas & Van Belle, 1985b AphiaID: 385901	
Callochiton sulcatus Nierstrasz, 1905a AphiaID: 385902	
Callochiton sulculatus Suter, 1907 AphiaID: 385903	
Callochiton tongaensis Sirenko, 2018c AphiaID: 1063064	
Callochiton vanninii A. J. Ferreira, 1983a AphiaID: 385904	

Genus *Icoplax* Thiele, 1893 AphiaID: 759510 (reinstatement)

[5 spp.]

Icoplax bouveti Thiele, 1906 AphiaID: 385905	
Icoplax gaussae Thiele, 1908 AphiaID: 1642694	
Icoplax punicea (A. Gould, 1846) AphiaID: 385907	*Chiton illuminatus* Reeve, 1847b was synonymized under this name but after revision might turn out to be valid species (Schwabe & Sellanes 2010).
Icoplax septemcostata (Bergenhayn, 1933) AphiaID: 385908	Current conception is tentatively based on earlier works by Taki (1938a, 1938c) and Saito (2011), and might change with more available data.
Icoplax steinenii (Pfeffer in von Martens & Pfeffer, 1886) AphiaID: 385909	

Genus *Eudoxochiton* Shuttleworth, 1853 AphiaID: 385544

[2 spp.]

Eudoxochiton inornatus (Tenison-Woods, 1881) AphiaID: 848038	
Eudoxochiton nobilis (Gray in Dieffenbach, 1843) AphiaID: 832079	

Genus *Leloupia* Kaas & Van Belle, 1990 AphiaID: 385545

[1 sp.]

Leloupia belgicae (Pelseneer, 1903) AphiaID: 385913

Genus *Quaestiplax* Iredale & Hull, 1929 AphiaID: 385546

[Status unclear. Kaas & Van Belle (1985) placed this species in Callochitonidae with reservations but Gowlett-Holmes (2001) ranked it in Ischnochitonidae. However, no material is available for further study. Sirenko (2006) did not discuss this taxon. See supplement for additional comments.]

[1 sp.]

Quaestiplax wilsoni Iredale & Hull, 1929 AphiaID: 385914

Genus *Vermichiton* Kaas, 1991 AphiaID: 385547

[1 sp.]

Vermichiton vermiculus Kaas, 1991 AphiaID: 385915

Order Chitonida Thiele, 1909 AphiaID: 382003

Suborder Chitonina Thiele, 1909 AphiaID: 382004

Superfamily Chitonoidea Rafinesque, 1815 AphiaID: 385404

Family Ischnochitonidae Dall, 1889b AphiaID: 69

[238 spp.]

Genus *Barbadoschiton* Sirenko & B. Anseeuw, 2024 AphiaID: 1771041

[1 sp.]

Barbadoschiton bromleyi (A. J. Ferreira, 1985) AphiaID: 1771042	Transferred from *Ischnochiton* based on Sirenko & Anseeuw (2024)

Genus *Stenosemus* von Middendorff, 1847a AphiaID: 152686

[The correct placement of *Stenosemus* may not be in Ischnochitonidae, but a new family outside Ischnochitonidae, closer related to Callochitonidae (ES). This is supported by Ferreira (1981) and Buckland-Nicks & Schander (2008), and by a molecular study by Wang *et al*. (2022).]

[30 spp.]

Stenosemus albus (Linnaeus, 1767) AphiaID: 247773	
Stenosemus beui (O'Neill, 1987) AphiaID: 932425	
Stenosemus chiversi A. J. Ferreira, 1981 AphiaID: 386011	
Stenosemus delicatus (Kaas, 1991) AphiaID: 386012	
Stenosemus discernibilis (Kaas, 1991) AphiaID: 1497853	
Stenosemus dolii (Van Belle & Dell'Angelo, 1998) AphiaID: 386013	
Stenosemus exaratus (G. O. Sars, 1878) AphiaID: 386014	
Stenosemus fijiensis Sirenko, 2017b AphiaID: 954946	
Stenosemus formosaensis Sirenko, 2025a AphiaID: 1836098	
Stenosemus gallaecus (Carmona Zalvide, Urgorri & García, 2001) AphiaID: 386015	
Stenosemus golikovi Sirenko, 1994 AphiaID: 386016	
Stenosemus herosae Sirenko, 2008 AphiaID: 386017	
Stenosemus juliuspisai Dell'Angelo, Sosso & Taviani, 2025 AphiaID: 1840897	
Stenosemus kolesnikovi Sirenko, 1994 AphiaID: 386018	
Stenosemus magnidentis Sirenko & Khabibulina, 2025 AphiaID: 1861902	
Stenosemus merveae Sirenko, 2016c AphiaID: 880744	Should read "*merweae*". (ES)
Stenosemus mexicanus (Kaas, 1993a) AphiaID: 386019	
Stenosemus moskalevi Sirenko, 2016c AphiaID: 880742	
Stenosemus nitens Sirenko, 2020d AphiaID: 1430126	
Stenosemus perforatus (Kaas, 1990) AphiaID: 386020	
Stenosemus philippei Sirenko, 2017b AphiaID: 954947	
Stenosemus robustus (Kaas, 1991) AphiaID: 386021	
Stenosemus sharpii (Pilsbry, 1896) AphiaID: 386022	
Stenosemus simplicissimus (Thiele, 1906) AphiaID: 386023	
Stenosemus solomonensis Sirenko, 2017b AphiaID: 954948	Sirenko (2017) indicated diagnostic differences but possibly a variation of *S. philippei.* (ES)
Stenosemus stearnsii (Dall, 1902) AphiaID: 386024	
Stenosemus substriatus (Kaas & Van Belle, 1990) AphiaID: 386025	
Stenosemus undatopleuralis Sirenko, 2023b AphiaID: 1651859	
Stenosemus vanbellei (Kaas, 1985a) AphiaID: 386026	
Stenosemus vitreolus (Kaas, 1985b) AphiaID: 386027	

Genus *Ischnochiton* Gray, 1847b AphiaID: 138088

[*Ischnochiton* is paraphyletic and consists of several (sub)genera; some species should be transferred to other genera and different families. However, further research and molecular data are needed. Molecular data from the type species, *Ischnochiton textilis* Gray, 1828 are of particular importance and without them all the other species are questionably placed.]

[108 spp.]

Ischnochiton acomphus Hull & Risbec, 1930 AphiaID: 387094	
Ischnochiton adelaidensis (Reeve, 1847b) AphiaID: 848035	
Ischnochiton aidae Righi, 1973 AphiaID: 387095	Likely a synonym of *Ischnoplax pectinata* (G. B. Sowerby II, 1840). (Jardim 2020)
Ischnochiton alascensis Thiele, 1909 AphiaID: 387096	
Ischnochiton arbutum (Reeve, 1847b) AphiaID: 848052	
Ischnochiton australis (G. B. Sowerby II, 1840) AphiaID: 760266	Recovered as sister lineage to other *Ischnochiton* species (Okusu *et al*. 2003; Owada 2018). Possibly belongs to a currently not recognized (sub)genus, *Ischnoradsia*. (ES)
Ischnochiton bergoti (Vélain, 1877) AphiaID: 848040	
Ischnochiton bigranosus Kaas & Van Belle, 1990 AphiaID: 848140	
Ischnochiton boninensis Bergenhayn, 1933 AphiaID: 387099	
Ischnochiton bouryi Dupuis, 1917 AphiaID: 387100	A synonym of *Ischnochiton nierstraszi* Thiele, 1907. (ES)
Ischnochiton broomensis Ashby & Cotton, 1934 AphiaID: 848137	
Ischnochiton caliginosus (Reeve, 1847b) AphiaID: 848056	
Ischnochiton carinulatus (Reeve, 1847b) AphiaID: 848057	
Ischnochiton cariosus Carpenter in Pilsbry, 1892 AphiaID: 848139	Type species of *Heterozona* (currently not valid). (ES)
Ischnochiton carolianus A. J. Ferreira, 1984 AphiaID: 387102	
Ischnochiton cessaci (de Rochebrune, 1881) AphiaID: 848108	
Ischnochiton chaceorum Kaas & Van Belle, 1990 AphiaID: 848141	
Ischnochiton circumvallatus (Reeve, 1847b) AphiaID: 832080	
Ischnochiton colubrifer (Reeve, 1848) AphiaID: 848037	
Ischnochiton comptus (Gould, 1859) AphiaID: 848047	
Ischnochiton contractus (Reeve, 1847b) AphiaID: 848142	
Ischnochiton crebristriatus Cochran, 1988 AphiaID: 387107	
Ischnochiton dilatosculptus Kaas, 1982 AphiaID: 387108	
Ischnochiton dispar (Sowerby I in Broderip & Sowerby I, 1832) AphiaID: 848042	
Ischnochiton distigmatus Hull, 1924 AphiaID: 387110	
Ischnochiton dorsuosus Haddon, 1886 AphiaID: 532931	Possibly a synonym of *Stenosemus exaratus* (G. O. Sars, 1878). (BIS, ES; following Ferreira 1980)
Ischnochiton elizabethensis Pilsbry, 1894b AphiaID: 387111	
Ischnochiton elongatus (de Blainville, 1825) AphiaID: 848018	This species includes a subspecies (see supplement).
Ischnochiton erythronotus (C. B. Adams, 1845) AphiaID: 848043	Possibly a synonym of *I. striolatus* (Gray, 1828). (Grandidge 2011)
Ischnochiton examinandus Hull, 1923 AphiaID: 387115	

Ischnochiton falcatus Hull, 1912 AphiaID: 387116	
Ischnochiton feliduensis E. A. Smith in Gardiner, 1903 AphiaID: 387117	
Ischnochiton fraternus Thiele, 1909 AphiaID: 387118	
Ischnochiton fruticosus (A. Gould, 1846) AphiaID: 848044	Possibly belongs to *Heterozona* (currently not valid). (ES)
Ischnochiton gallensis von Knorre, 1925 AphiaID: 387119	
Ischnochiton goreensis Thiele, 1909 AphiaID: 224259	
Ischnochiton goudi Kaas, 1996 AphiaID: 848144	Possibly belongs to *Callistochiton*. (BIS)
Ischnochiton guatemalensis Thiele, 1909 AphiaID: 387120	
Ischnochiton hakodadensis Carpenter in Pilsbry, 1893 AphiaID: 848089	Closer to *Lepidozona* in all the genetic analyses performed so far. (e.g., Owada 2018, 2023)
Ischnochiton hartmeyeri Thiele, 1911 AphiaID: 387121	
Ischnochiton hayamii Owada, 2018 AphiaID: 1259313	
Ischnochiton indianus Leloup, 1981 AphiaID: 848092	
Ischnochiton indifferens Thiele, 1911 AphiaID: 387122	
Ischnochiton intermedius Hedley & Hull, 1912 AphiaID: 387123	
Ischnochiton kaasi A. J. Ferreira, 1987a AphiaID: 387124	
Ischnochiton keili Plate, 1899 AphiaID: 387125	
Ischnochiton lentiginosus (G. B. Sowerby II, 1840) AphiaID: 848036	
Ischnochiton lineolatus (de Blainville, 1825) AphiaID: 848062	
Ischnochiton lopesi Kaas, 1974 AphiaID: 387127	Likely a synonym of *Ischnoplax pectinata* (G. B. Sowerby II, 1840). (Jardim 2020)
Ischnochiton luquei Dell'Angelo, Sosso & Taviani, 2024 AphiaID: 1767250	
Ischnochiton luticolens Hull, 1923 AphiaID: 387129	
Ischnochiton macleani A. J. Ferreira, 1978a AphiaID: 387130	Possibly belongs to *Lepidozona*. (BIS) See supplement for additional comments.
Ischnochiton manazuruensis Owada, 2016 AphiaID: 881877	
Ischnochiton maorianus Iredale, 1914 AphiaID: 387131	
Ischnochiton mawlei Iredale & May, 1916 AphiaID: 848085	
Ischnochiton mayi Pilsbry, 1895 AphiaID: 848086	
Ischnochiton melinus Dall, 1926 AphiaID: 1317723	Possibly a synonym of *I. mitsukurii* Pilsbry, 1898. (BIS; Kaas & Van Belle 1990)
Ischnochiton mitsukurii Pilsbry, 1898 AphiaID: 387134	
Ischnochiton moreirai Righi, 1973 AphiaID: 386664	Transferred back to *Ischnochiton* from *Connexochiton* by Sirenko (2021); status unclear, possibly represents an undescribed genus. (BIS, ES)
Ischnochiton muscarius (Reeve, 1847b) AphiaID: 848064	
Ischnochiton newcombi Carpenter in Pilsbry, 1892 AphiaID: 848146	
Ischnochiton nicklesi Kaas & Van Belle, 1990 AphiaID: 848147	
Ischnochiton niveus A. J. Ferreira, 1987a AphiaID: 387136	
Ischnochiton obtusus Carpenter in Pilsbry, 1893 AphiaID: 848091	
Ischnochiton oniscus (Krauss, 1848) AphiaID: 848065	
Ischnochiton paessleri Thiele, 1909 AphiaID: 527809	

Ischnochiton papillosus (C. B. Adams, 1845) AphiaID: 848067	
Ischnochiton paululus Is. Taki, 1938b AphiaID: 387140	
Ischnochiton perornatus Carpenter in Pilsbry, 1892 AphiaID: 848101	
Ischnochiton pilsbryi Bednall, 1897 AphiaID: 387142	
Ischnochiton poppei Kaas & Van Belle, 1994 AphiaID: 848138	
Ischnochiton pseudovirgatus Kaas, 1972 AphiaID: 387143	
Ischnochiton ptychius Pilsbry, 1894c AphiaID: 387144	
Ischnochiton punctulatissimus (Sowerby I in Broderip & Sowerby I, 1832) AphiaID: 848073	
Ischnochiton purus Sykes, 1896 AphiaID: 848087	
Ischnochiton pusillus (Sowerby I in Broderip & Sowerby I, 1832) AphiaID: 848075	
Ischnochiton pusio (Sowerby I in Broderip & Sowerby I, 1832) AphiaID: 848076	
Ischnochiton quoyanus Thiele, 1909 AphiaID: 387088	
Ischnochiton rhodolithophilus Putman MS, Clark, 2000 AphiaID: 387148	
Ischnochiton rissoi (Payraudeau, 1826) AphiaID: 848021	
Ischnochiton sansibarensis Thiele, 1909 AphiaID: 387149	
Ischnochiton sererorum (de Rochebrune, 1881) AphiaID: 848109	
Ischnochiton sirenkoi Dell'Angelo, Prelle, Sosso & Bonfitto, 2011 AphiaID: 1596070	
Ischnochiton smaragdinus (Angas, 1867) AphiaID: 848110	
Ischnochiton stramineus (Sowerby I in Broderip & Sowerby I, 1832) AphiaID: 847886	
Ischnochiton striolatus (Gray, 1828) AphiaID: 848079	
Ischnochiton subviridis (Iredale & May, 1916) AphiaID: 848084	Possibly belongs to *Heterozona* (currently not valid). (ES)
Ischnochiton tenuisculptus (Carpenter, 1864) AphiaID: 848113	
Ischnochiton textilis (Gray, 1828) AphiaID: 848080	
Ischnochiton thomasi Bednall, 1897 AphiaID: 387090	
Ischnochiton tindalei Ashby, 1924 AphiaID: 387154	
Ischnochiton tomhalei R. N. Clark, 2000 AphiaID: 387155	
Ischnochiton torri Iredale & May, 1916 AphiaID: 387156	
Ischnochiton tridentatus Pilsbry, 1893 AphiaID: 848090	
Ischnochiton tsekosi Koukouras & Karachle, 2005 AphiaID: 389712	ES considers it a doubtful species with unclear status.
Ischnochiton usticensis Dell'Angelo & Castriota, 1999 AphiaID: 748981	
Ischnochiton variegatus (H. Adams & Angas, 1864) AphiaID: 848106	
Ischnochiton verconis Torr, 1911 AphiaID: 387159	
Ischnochiton versicolor (G. B. Sowerby II, 1839) AphiaID: 848023	
Ischnochiton victoria A. J. Ferreira, 1987b AphiaID: 387161	
Ischnochiton virgatus (Reeve, 1848) AphiaID: 848081	

Ischnochiton viridulus (Couthouy MS, Gould, 1846) AphiaID: 848082	Possibly a junior synonym of *I. stramineus* (G. B. Sowerby I, 1832). (BIS)
Ischnochiton weedingi Milne, 1958 AphiaID: 387164	May not be different to *I. examinandus* Hull, 1923. (ES)
Ischnochiton wilsoni Sykes, 1896 AphiaID: 387165	
Ischnochiton winckworthi Leloup, 1936 AphiaID: 387166	
Ischnochiton yemenensis Van Belle & Wranik, 1991 AphiaID: 1596072	
Ischnochiton yerburyi (E. A. Smith, 1891) AphiaID: 848030	

Genus *Stenoplax* Carpenter in Dall, 1878 AphiaID: 367769

[24 spp.]

Stenoplax alata (G. B. Sowerby II, 1841) AphiaID: 848049	
Stenoplax bahamensis Kaas & Van Belle, 1988a AphiaID: 848154	Strack (1996) showed that the *Monograph of Living Chitons* part was published: 22/01/1988.
Stenoplax boogii (Haddon, 1886) AphiaID: 848093	
Stenoplax circumsenta S. S. Berry, 1956 AphiaID: 387202	
Stenoplax conspicua (Dall, 1879) AphiaID: 848098	Possibly belongs to *Stenoradsia* (currently not valid). (ES)
Stenoplax corrugata (Carpenter in Pilsbry, 1892) AphiaID: 848102	
Stenoplax fallax (Carpenter in Pilsbry, 1892) AphiaID: 848094	
Stenoplax floridana (Pilsbry, 1892) AphiaID: 848095	
Stenoplax heathiana S. S. Berry, 1946 AphiaID: 848155	Possibly belongs to *Stenoradsia* (currently not valid). (ES)
Stenoplax hernandezi Dell'Angelo, Schwabe, Gori, Sosso & Bonfitto, 2014 AphiaID: 767163	
Stenoplax iansa Jardim & Almeida, 2021 AphiaID: 1501439	
Stenoplax kempfi (Righi, 1971) AphiaID: 848148	Possibly belongs to *Stenoradsia* (currently not valid). (ES)
Stenoplax lavanonensis Dell'Angelo, Sirenko & Prelle, 2015 AphiaID: 868433	
Stenoplax limaciformis (Sowerby I in Broderip & Sowerby I, 1832) AphiaID: 848059	
Stenoplax madagassica (Thiele, 1917) AphiaID: 848096	Possibly belongs to *Stenoradsia* (currently not valid). (ES)
Stenoplax magdalenensis (Hinds, 1845) AphiaID: 575166	Possibly belongs to *Stenoradsia* (currently not valid). (ES)
Stenoplax marcusi (Righi, 1971) AphiaID: 848149	
Stenoplax mariposa (Bartsch MS, Dall, 1919) AphiaID: 848103	
Stenoplax petaloides (Gould, 1846) AphiaID: 848070	
Stenoplax purpurascens (C. B. Adams, 1845) AphiaID: 848074	
Stenoplax quetzalcoatli Reyes-Gómez, 2023 in Reyes-Gómez *et al.*, 2023 AphiaID: 1633497	
Stenoplax rugulata (Sowerby I in Broderip & Sowerby I, 1832) AphiaID: 848078	
Stenoplax sonorana S. S. Berry, 1956 AphiaID: 848156	Possibly belongs to *Stenoradsia* (currently not valid). (ES)
Stenoplax venusta (Is. Taki & Iw. Taki, 1931a) AphiaID: 848097	

Genus *Connexochiton* Kaas, 1979a AphiaID: 138087

[6 spp.]

Connexochiton costatus Sirenko, 2021a AphiaID: 1497848

Connexochiton crassus (Kaas, 1985b) AphiaID: 1497852

Connexochiton kaasi Saito, 1997 AphiaID: 385919

Connexochiton kermadeci Sirenko, 2021a AphiaID: 1497849

Connexochiton platynomenus Kaas, 1979a AphiaID: 140134

Connexochiton solomonicus Sirenko, 2021a AphiaID: 1497851

Genus *Lepidozona* Pilsbry, 1892 AphiaID: 204533

[40 spp.]

Lepidozona acostata Sirenko, 2016d AphiaID: 932426

Lepidozona allynsmithi A. J. Ferreira, 1974 AphiaID: 386028 — Possibly belongs to *Callistochiton*. (BIS)

Lepidozona amabilis (S. S. Berry, 1917a) AphiaID: 386029

Lepidozona bisculpta (Carpenter in Pilsbry, 1892) AphiaID: 386031

Lepidozona christiaensi Van Belle, 1982 AphiaID: 386032

Lepidozona clarionensis A. J. Ferreira, 1983b AphiaID: 386033

Lepidozona clathrata (Reeve, 1847b) AphiaID: 386034

Lepidozona cooperi (Carpenter MS, Dall, 1879) AphiaID: 386035

Lepidozona coreanica (Reeve, 1847a) AphiaID: 386036

Lepidozona craticulata (A. Gould, 1859) AphiaID: 386037

Lepidozona crockeri (Willett in Hertlein & Strong, 1951) AphiaID: 386038

Lepidozona excellens Sirenko, 2016d AphiaID: 932427

Lepidozona ferreirai Kaas & Van Belle, 1988a AphiaID: 386039 — Strack (1996) showed that the Monograph of Living Chitons part was published: 22/01/1988.

Lepidozona formosa A. J. Ferreira, 1974 AphiaID: 386040

Lepidozona guadalupensis A. J. Ferreira, 1978b AphiaID: 386041

Lepidozona hyotanseana S.-K. Wu & Okutani, 1986 AphiaID: 386042

Lepidozona interfossa (S. S. Berry, 1917a) AphiaID: 386043

Lepidozona interstincta (A. Gould, 1852) AphiaID: 386044

Lepidozona iyoensis (Is. Taki & Iw. Taki, 1929b) AphiaID: 386045

Lepidozona laurae A. J. Ferreira, 1985 AphiaID: 386046

Lepidozona luzonica (G. B. Sowerby II, 1842) AphiaID: 386047

Lepidozona mertensii (von Middendorff, 1847b) AphiaID: 386048

Lepidozona multigranosa Sirenko, 1975 AphiaID: 367861

Lepidozona nipponica (S. S. Berry, 1918) AphiaID: 386049

Lepidozona pectinulata (Carpenter in Pilsbry, 1893) AphiaID: 386050

Lepidozona radians (Carpenter in Pilsbry, 1892) AphiaID: 386051	
Lepidozona reevei Kaas & Van Belle, 1988a AphiaID: 386052	Strack (1996) showed that the *Monograph of Living Chitons* part was published: 22/01/1988.
Lepidozona retiporosa (Carpenter, 1864) AphiaID: 386053	
Lepidozona rothi A. J. Ferreira, 1983b AphiaID: 386054	
Lepidozona scabricostata (Carpenter, 1864) AphiaID: 386055	
Lepidozona scrobiculata (von Middendorff, 1847b) AphiaID: 386056	
Lepidozona serrata (Carpenter, 1864) AphiaID: 386057	
Lepidozona sirenkoi Kaas & Van Belle, 1990 AphiaID: 386058	
Lepidozona skoglundi (A. J. Ferreira, 1986b) AphiaID: 386059	Only tentatively placed in *Lepidozona.*
Lepidozona sorsogonensis Kaas & Van Belle, 1988a AphiaID: 386060	Strack (1996) showed that the *Monograph of Living Chitons* part was published: 22/01/1988.
Lepidozona stohleri A. J. Ferreira, 1985 AphiaID: 386061	
Lepidozona subtilis S. S. Berry, 1956 AphiaID: 386062	
Lepidozona tenuicostata Kaas & Van Belle, 1990 AphiaID: 386063	
Lepidozona vietnamensis Strack, 1991 AphiaID: 386064	
Lepidozona willetti (S. S. Berry, 1917b) AphiaID: 386065	

Genus *Tripoplax* S. S. Berry, 1919a AphiaID: 385554

[17 spp.]

Tripoplax abyssicola (A. G. Smith & Cowan, 1966) AphiaID: 386093	
Tripoplax alba (Saito, 2013) AphiaID: 723349	
Tripoplax albrechtii (von Schrenck, 1862) AphiaID: 386094	
Tripoplax allyni (A. J. Ferreira, 1977) AphiaID: 386095	
Tripoplax andrijaschevi (Jakovleva, 1952) AphiaID: 386096	
Tripoplax attuensis (R. N. Clark, 2000) AphiaID: 386097	
Tripoplax balaenophila (Schwabe & Sellanes, 2004) AphiaID: 386098	
Tripoplax baxteri (R. N. Clark, 2000) AphiaID: 386099	
Tripoplax beringiana (R. N. Clark, 2000) AphiaID: 386100	
Tripoplax calypso R. N. Clark, 2008 AphiaID: 386101	
Tripoplax cowani R. N. Clark, 2008 AphiaID: 386102	
Tripoplax ima (Sirenko, 1975) AphiaID: 386103	
Tripoplax kobjakovae (Jakovleva, 1952) AphiaID: 386613	This species includes a subspecies (see supplement).
Tripoplax lindbergi (Jakovleva, 1952) AphiaID: 386106	
Tripoplax regularis (Carpenter, 1856) AphiaID: 386107	
Tripoplax thielei (Sirenko, 1975) AphiaID: 386108	
Tripoplax trifida (Carpenter, 1864) AphiaID: 386109	

Genus *Stenochiton* H. Adams & Angas, 1864 AphiaID: 385550

[4 spp.]

Stenochiton cymodocealis Ashby, 1918 AphiaID: 386066

Stenochiton longicymba (Dufresne MS, de Blainville, 1825) AphiaID: 386067

Stenochiton nubilus (Cochran, 1993) AphiaID: 386068

Stenochiton pilsbryanus (Bednall, 1897) AphiaID: 386069

Genus *Subterenochiton* Iredale & Hull, 1924 AphiaID: 385551

[4 spp.]

Subterenochiton albinus (Thiele, 1911) AphiaID: 1646298

Subterenochiton gabrieli (Hull, 1912) AphiaID: 386090

Subterenochiton granulifer (Thiele, 1909) AphiaID: 1646284

Subterenochiton luteoroseus (Suter, 1907) AphiaID: 1646296

Genus *Tonicina* Thiele, 1906 AphiaID: 385553

[1 sp.]

Tonicina zschaui (Pfeffer in von Martens & Pfeffer, 1886) AphiaID: 386092

Genus *Thermochiton* Saito & Okutani, 1990 AphiaID: 385552

[3 spp.]

Thermochiton papuaensis Sirenko, 2020e AphiaID: 1422749

Thermochiton undocostatus Saito & Okutani, 1990 AphiaID: 386091

Thermochiton xui H. Wang, J. L. Zhang & Sirenko, 2022 in H. Wang, H. Liu, X. Wang, J. L. Zhang, B.I. Sirenko, C. Liu, D. Dong, X. Liu 2022 AphiaID: 1594640

Family Callistoplacidae Pilsbry, 1893 AphiaID: 385493

[45 spp.]

Genus *Callistochiton* Carpenter in Dall, 1878 AphiaID: 138084

[37 spp.]

Callistochiton adenensis (E. A. Smith, 1891) AphiaID: 386110

Callistochiton antiquus (Reeve, 1847b) AphiaID: 386111

Callistochiton ashbyi (Barnard, 1963) AphiaID: 572019

Callistochiton asthenes (S. S. Berry, 1919a) AphiaID: 386112

Callistochiton augustensis Ashby & Cotton, 1937 AphiaID: 386113

Callistochiton barnardi Leloup, 1981 AphiaID: 221371

Callistochiton belliatus Kaas & Van Belle, 1994 AphiaID: 386114

Callistochiton biakensis Kaas & Van Belle, 1994 AphiaID: 386115

Callistochiton broomensis Ashby & Cotton, 1934 AphiaID: 386116

Callistochiton clenchi Ashby & Cotton, 1934 AphiaID: 386117

Callistochiton colimensis (A. G. Smith, 1961) AphiaID: 386118

Callistochiton crassicostatus Pilsbry, 1893 AphiaID: 386120

Callistochiton crosslandi Sykes, 1907 AphiaID: 386121

Callistochiton decoratus Carpenter in Pilsbry, 1893 AphiaID: 386122

Callistochiton elenensis (Sowerby I in Broderip & Sowerby I, 1832) AphiaID: 386123

Callistochiton expressus (Carpenter, 1865) AphiaID: 386124

Callistochiton generos (Iredale & Hull, 1925a) AphiaID: 386125

Callistochiton granifer Hull, 1923 AphiaID: 386126

Callistochiton guerreroensis Reyes-Gómez & Ríos-Jara, 2023, in Reyes-Gómez *et al.* 2023 AphiaID: 1633498

Callistochiton indicus Leloup, 1953 AphiaID: 386127

Callistochiton jacobaeus (Gould, 1859) AphiaID: 386128

Callistochiton laticostatus Kaas & Van Belle, 1994 AphiaID: 386129 — Likely a synonym of *Ischnoplax pectinata* (G. B. Sowerby II, 1840). (Jardim 2020)

Callistochiton leei A. J. Ferreira, 1979 AphiaID: 386130

Callistochiton mawlei Iredale & May, 1916 AphiaID: 386131

Callistochiton occiduus Ashby & Cotton, 1934 AphiaID: 386132

Callistochiton omanensis Kaas & Van Belle, 1994 AphiaID: 386133

Callistochiton pachylasmae (Seguenza MS, di Monterosato, 1879) AphiaID: 140130

Callistochiton palmulatus Carpenter MS, Dall, 1878 AphiaID: 386134

Callistochiton philippinarum Thiele, 1909 AphiaID: 386135

Callistochiton porosus Nierstrasz, 1905b AphiaID: 386136

Callistochiton portobelensis A. J. Ferreira, 1976 AphiaID: 386137

Callistochiton pulchellus (Gray, 1828) AphiaID: 386138

Callistochiton pulchrior Carpenter MS, Pilsbry, 1893 AphiaID: 386139

Callistochiton righii Kaas & Van Belle, 1994 AphiaID: 386140

Callistochiton rotondus Leloup, 1981 AphiaID: 386141

Callistochiton shuttleworthianus Pilsbry, 1893 AphiaID: 386142

Callistochiton squamigercostatus Kaas & Van Belle, 1994 AphiaID: 386143

Genus *Callistoplax* Carpenter in Dall, 1882a AphiaID: 385555

[1 sp.]

Callistoplax retusa (Sowerby I in Broderip & Sowerby I, 1832) AphiaID: 386144

Genus *Calloplax* Thiele, 1909 AphiaID: 385556

[3 spp.]

Calloplax duncana (Dall, 1919) AphiaID: 386145

Calloplax janeirensis (Gray, 1828) AphiaID: 386146

Calloplax vivipara (Plate, 1899) AphiaID: 386147

Genus *Caribbochiton* Sirenko & B. Anseeuw, 2021 AphiaID: 1517446

[1 sp.]

Caribbochiton guadeloupensis Sirenko & B. Anseeuw, 2021 AphiaID: 1517448

Genus *Ischnoplax* Dall, 1878 AphiaID: 385558

[3 spp.]

Ischnoplax edwini (Mello & Pinto, 1989) AphiaID: 386150	Likely a synonym of *Ischnoplax pectinata* (G. B. Sowerby II, 1840). (Jardim 2020)
Ischnoplax incurvata (Leloup, 1953) AphiaID: 386151	
Ischnoplax pectinata (G. B. Sowerby II, 1840) AphiaID: 386152	

Family Chaetopleuridae Plate, 1899 AphiaID: 385494

[33 spp.]

Genus *Chaetopleura* Shuttleworth, 1853 AphiaID: 138086

[29 spp.]

Chaetopleura angolensis Thiele, 1909 AphiaID: 386733	
Chaetopleura angulata (Spengler, 1797) AphiaID: 848025	
Chaetopleura apiculata (Say in Conrad, 1834) AphiaID: 848051	
Chaetopleura asperior (Carpenter in Pilsbry, 1892) AphiaID: 848099	
Chaetopleura asperrima (Couthouy MS, Gould, 1852) AphiaID: 848053	
Chaetopleura benaventei Plate, 1899 AphiaID: 386737	
Chaetopleura benguelensis Kaas & Van Belle, 1988a AphiaID: 848132	Strack (1996) showed that the *Monograph of Living Chitons* part was published: 22/01/1988.
Chaetopleura biarmata de Rochebrune, 1882 AphiaID: 386738	
Chaetopleura brucei Iredale in Melvill & Standen, 1912 AphiaID: 386739	
Chaetopleura caboverdensis (Kaas & Strack, 1986) AphiaID: 224248	
Chaetopleura debruini (Strack, 1996) AphiaID: 848107	
Chaetopleura fernandensis Plate, 1899 AphiaID: 386741	
Chaetopleura gambiensis (de Rochebrune, 1881) AphiaID: 848133	
Chaetopleura gemma Carpenter MS, Dall, 1878 AphiaID: 386757	Possibly belongs to *Pallochiton* (currently not a valid genus). (ES)
Chaetopleura hanselmani (A. J. Ferreira, 1982) AphiaID: 848024	
Chaetopleura hennahi (Gray, 1828) AphiaID: 848046	

Chaetopleura isabellei (d'Orbigny, 1841) AphiaID: 848060	Name amended incorrectly by Kaas & Van Belle (1988), the name honours a Mr. Isabelle, a Uruguayan scientist (H. Strack pers. comm. 2025) so the gender of the epithet is masculine.
Chaetopleura lanuginosa (Carpenter MS, Dall, 1878) AphiaID: 848017	Possibly belongs to *Pallochiton* (currently not a valid genus). (ES) This species includes a subspecies (see supplement).
Chaetopleura lurida (Sowerby I in Broderip & Sowerby I, 1832) AphiaID: 848061	
Chaetopleura papilio (Spengler, 1797) AphiaID: 848066	
Chaetopleura pertusa (Reeve, 1847b) AphiaID: 848068	
Chaetopleura peruviana (Lamarck, 1819) AphiaID: 848069	
Chaetopleura pomarium Barnard, 1963 AphiaID: 386750	
Chaetopleura pustulata (Krauss, 1848) AphiaID: 848077	
Chaetopleura roddai A. J. Ferreira, 1983c AphiaID: 386752	
Chaetopleura shyana A. J. Ferreira, 1983c AphiaID: 386753	
Chaetopleura sowerbyana (Reeve, 1847b) AphiaID: 532597	
Chaetopleura staphylophera Lyons, 1985 AphiaID: 386755	
Chaetopleura unilineata Leloup, 1954 AphiaID: 386756	

Genus *Dinoplax* Carpenter in Dall, 1882b AphiaID: 224921

[4 spp.]

Dinoplax chelazziana (A. J. Ferreira, 1983a) AphiaID: 386178

Dinoplax fossa Sykes, 1899 AphiaID: 386179

Dinoplax gigas (Gmelin, 1791) AphiaID: 224922

Dinoplax validifossa Ashby, 1934 AphiaID: 386180

Family Chitonidae Rafinesque, 1815 AphiaID: 64

[167 spp.]

Subfamily Acanthopleurinae Dall, 1889b AphiaID: 151208

Genus *Acanthopleura* Guilding, 1830 AphiaID: 151210

[7 spp.]

Acanthopleura gemmata (de Blainville, 1825) AphiaID: 211919

Acanthopleura granulata (Gmelin, 1791) AphiaID: 386270

Acanthopleura loochooana (Broderip & G. B. Sowerby I, 1829) AphiaID: 386271

Acanthopleura planispina Bergenhayn, 1933 AphiaID: 386272

Acanthopleura spinosa (Bruguière, 1792) AphiaID: 211920

Acanthopleura testudo (Spengler, 1797) AphiaID: 1599153

Acanthopleura vaillantii de Rochebrune, 1882 AphiaID: 386273

Genus *Enoplochiton* Gray, 1847a AphiaID: 385562

[1 sp.]

Enoplochiton niger (Barnes, 1824) AphiaID: 386274

Genus *Liolophura* Pilsbry, 1893 AphiaID: 385563

[8 spp.]

Liolophura arenosa (A. J. Ferreira, 1986c) AphiaID: 386275	Possibly belongs to *Acanthopleura* based on Brooker (2003).
Liolophura gaimardi (de Blainville, 1825) AphiaID: 386276	
Liolophura hirtosa (Péron MS, Blainville, 1825) AphiaID: 386277	Possibly belongs to *Acanthopleura* based on Brooker (2003).
Liolophura japonica (Lischke, 1873) AphiaID: 386278	
Liolophura koreana Yeo & U. W. Hwang in Choi, Yeo, Kim, Park, Shin, Baek & Hwang, 2021 AphiaID: 1539173	
Liolophura rehderi A. J. Ferreira, 1986c AphiaID: 386279	Possibly belongs to *Onithochiton* based on Brooker (2003).
Liolophura sinensis Choi, B. Park & U. W. Hwang in Choi, Yeo, Kim, Park, Shin, Baek & Hwang, 2021 AphiaID: 1539174	
Liolophura tenuispinosa Leloup, 1939 AphiaID: 386280	

Genus *Mesotomura* Pilsbry, 1893 AphiaID: 1782579

[1 sp.]

Mesotomura echinata (Barnes, 1824) AphiaID: 1782580	Transferred from *Enoplochiton* based on Ibáñez & Sirenko (2024).

Genus *Squamopleura* Nierstrasz, 1905a AphiaID: 385564

[3 spp.]

Squamopleura araucariana (Hedley, 1898) AphiaID: 386281	
Squamopleura curtisiana (E. A. Smith, 1884) AphiaID: 386282	
Squamopleura miles (Carpenter in Pilsbry, 1893) AphiaID: 386283	

Subfamily Chitoninae Rafinesque, 1815 AphiaID: 151207

Genus *Chiton* Linnaeus, 1758 AphiaID: 137779

[23 spp.]

Chiton albolineatus Broderip & G. B. Sowerby I, 1829 AphiaID: 386768	Type species of *Diochiton* (currently not a valid genus). (ES)
Chiton articulatus Sowerby I in Broderip & Sowerby I, 1832 AphiaID: 386770	Potentially belongs to *Diochiton* (currently not a valid genus). (ES)
Chiton barnesii Gray, 1828 AphiaID: 386836	Recent molecular phylogeny (Ibáñez *et al*. 2021) recovered this species in the middle of *Chiton* clade, and thus it was transferred from *Radsia*. However, it leaves *Radsia* without the type species, and makes the genus invalid, so we retain it in *Chiton*. Potentially a member of *Chondroplax* (currently not a valid genus). (ES, JDS, KV)
Chiton ceylanicus E. A. Smith, 1904 AphiaID: 386772	
Chiton connectens Thiele, 1909 AphiaID: 386773	
Chiton cumingsii Frembly, 1827 AphiaID: 386774	Possibly belongs to *Amaurochiton* (currently not a valid genus) supported by the results of Ibanez *et al*. (2021).
Chiton glaucus Gray, 1828 AphiaID: 386775	Possibly belongs to *Amaurochiton* (currently not a valid genus), molecular data support its close affinity with *Sypharochiton pelliserpentis* (Quoy & Gaimard, 1835) according to the phylogeny in Ibanez *et al*. (2021).
Chiton goodallii (Broderip in Broderip & Sowerby, 1832) AphiaID: 386266	Transferred from *Radsia* because the type species was recovered in the middle of *Chiton* clade in Ibanez *et al*. 2021. (JDS, KV)

Chiton granoradiatus Leloup, 1937 AphiaID: 386776	
Chiton granosus Frembly, 1827 AphiaID: 386777	Type species of *Chondroplax*, and together with *C. barnesii* Gray, 1828 forms a distinct clade within *Chiton* s.l. (Ibanez *et al*. 2021).
Chiton groschi Kaas, 1979b AphiaID: 848134	Possibly belongs to *Rhyssoplax*. (BIS)
Chiton kaasi (Leloup, 1981) AphiaID: 848131	Possibly belongs to *Rhyssoplax*. (BIS)
Chiton laterorugosus Kaas, 1986 AphiaID: 848135	Possibly belongs to *Rhyssoplax*. (BIS)
Chiton magnificus Deshayes, 1827 AphiaID: 386779	Type species of *Amaurochiton* (currently not a valid genus). Together with *C. cumingsii* Frembly, 1827 forms a distinct clade within *Chiton* s.l. in Ibanez *et al*. (2021).
Chiton marmoratus Gmelin, 1791 AphiaID: 386780	Possibly belongs to *Diochiton* (currently not a valid genus). (ES)
Chiton marquesanus Pilsbry, 1893 AphiaID: 386781	Possibly belongs to *Diochiton* (currently not a valid genus). (ES)
Chiton nigrovirescens (de Blainville, 1825) AphiaID: 386267	Transferred from *Radsia* because the type species was recovered in the middle of *Chiton* clade in Ibanez *et al*. (2021). (JDS, KV)
Chiton squamosus Linnaeus, 1764 AphiaID: 848071	Possibly belongs to *Diochiton* (currently not a valid genus). (ES)
Chiton stokesii Broderip in Broderip & Sowerby I, 1832 AphiaID: 386784	
Chiton sulcatus (W. Wood, 1814) AphiaID: 386268	Transferred from *Radsia* because the type species was recovered in the middle of *Chiton* clade in Ibanez *et al*. (2021). (JDS, KV) Publishing date of 1814 follows Coan & Petit (2011).
Chiton tuberculatus Linnaeus, 1758 AphiaID: 152651	
Chiton virgulatus G. B. Sowerby II, 1840 AphiaID: 386787	
Chiton viridis Spengler, 1797 AphiaID: 386788	Possibly belongs to *Diochiton* (currently not a valid genus). (ES)

Genus *Mucrosquama* Iredale & Hull, 1926 AphiaID: 385599

[3 spp.]

Mucrosquama carnosa (Carpenter MS, Angas, 1867) AphiaID: 1557823

Mucrosquama particolor (Hull, 1923) AphiaID: 1647107

Mucrosquama verconis (Torr & Ashby, 1898) AphiaID: 1557822

Genus *Rhyssoplax* Thiele, 1893 AphiaID: 385600

[51 spp.]

Rhyssoplax aerea (Reeve, 1847b) AphiaID: 724145

Rhyssoplax affinis (Issel, 1869) AphiaID: 1307167

Rhyssoplax baliensis Bullock, 1989 AphiaID: 386794

Rhyssoplax barnardi (Ashby, 1931) AphiaID: 1392540

Rhyssoplax bednalli (Pilsbry, 1895) AphiaID: 1307168

Rhyssoplax bullocki Sirenko, 2012 AphiaID: 708957

Rhyssoplax burmana (Carpenter in Pilsbry, 1893) AphiaID: 1307169

Rhyssoplax calliozona (Pilsbry, 1894c) AphiaID: 1392349

Rhyssoplax canaliculata (Quoy & Gaimard, 1835) AphiaID: 724146

Rhyssoplax canariensis (d'Orbigny, 1840) AphiaID: 1392292

Rhyssoplax corallina (Risso, 1826) AphiaID: 1288184

Rhyssoplax coryphea (Hedley & Hull, 1912) AphiaID: 1392352

Rhyssoplax coxi (Pilsbry, 1894d) AphiaID: 1392356

Rhyssoplax crawfordi (Sykes, 1899) AphiaID: 1392368

Rhyssoplax densilirata (Carpenter in Pilsbry, 1893) AphiaID: 1392545

Rhyssoplax diaphora Iredale & May, 1916 AphiaID: 386804

Rhyssoplax discolor (Souverbie in Souverbie & Montrouzier, 1866) AphiaID: 1392508

Rhyssoplax ectypa (de Rochebrune, 1884) AphiaID: 1392511

Rhyssoplax exasperata Iredale, 1914 AphiaID: 386807

Rhyssoplax exoptanda (Bednall, 1897) AphiaID: 1392357

Rhyssoplax fosteri (Bullock, 1972) AphiaID: 1392669

Rhyssoplax funerea (Hedley & Hull, 1912) AphiaID: 1392358

Rhyssoplax heterodon (Pilsbry, 1893) AphiaID: 1392829

Rhyssoplax jugosa (Gould, 1846) AphiaID: 1362496

Rhyssoplax kimberi (Ashby, 1928a) AphiaID: 848235

Rhyssoplax komaiana (Is. Taki & Iw. Taki, 1929c) AphiaID: 878796

Rhyssoplax kurodai (Is. Taki & Iw. Taki, 1929b) AphiaID: 1392367

Rhyssoplax linsleyi Burghardt, 1973 AphiaID: 386815

Rhyssoplax maldivensis (E. A. Smith in Gardiner, 1903) AphiaID: 878798

Rhyssoplax mauritiana (Quoy & Gaimard, 1835) AphiaID: 1392668

Rhyssoplax olivacea (Spengler, 1797) AphiaID: 1392276

Rhyssoplax orukta (Maughan, 1900) AphiaID: 1392359

Rhyssoplax peregrina (Thiele, 1909) AphiaID: 1392826

Rhyssoplax perviridis (Carpenter, 1865) AphiaID: 1392533

Rhyssoplax phaseolina (di Monterosato, 1879) AphiaID: 1392365

Rhyssoplax polita (Spengler, 1797) AphiaID: 1392830

Rhyssoplax pulcherrima (G. B. Sowerby II, 1842) AphiaID: 878797

Rhyssoplax pulvinata (Carpenter in Pilsbry, 1893) AphiaID: 1392831

Rhyssoplax rapaitiensis (Schwabe & Lozouet, 2006) AphiaID: 1392832

Rhyssoplax rhynchota (de Rochebrune, 1884) AphiaID: 1392525

Rhyssoplax salihafui (Bullock, 1972) AphiaID: 1392828

Rhyssoplax speciosa (Nierstrasz, 1905a) AphiaID: 1392833

Rhyssoplax stangeri (Reeve, 1847b) AphiaID: 724147

Rhyssoplax subassimilis (Souverbie in Souverbie & Montrouzier, 1866) AphiaID: 1392513

Rhyssoplax tectiformis Is. Taki, 1938b AphiaID: 386828

Rhyssoplax torriana (Hedley & Hull, 1910) AphiaID: 1377226

Rhyssoplax translucens (Hedley & Hull, 1909) AphiaID: 1392360

Rhyssoplax tricostalis (Pilsbry, 1894c) AphiaID: 1392362 There is a currently accepted fossil subspecies (see supplement).

Rhyssoplax vauclusensis (Hedley & Hull, 1909) AphiaID: 1392366

Rhyssoplax venusta Hull, 1923 AphiaID: 386832

Rhyssoplax whitleyi Iredale & Hull, 1932 AphiaID: 386833

Genus *Sypharochiton* Thiele, 1893 AphiaID: 385618

[Type species, *Sypharochiton pelliserpentis* (Quoy & Gaimard, 1835), recovered in the *Chiton* clade in Ibanez *et al*. 2019, which could suggests the genus is a junior synonym. However, the authors themselves refrain from the definite statement on the species affinity and systematic implications.]

[5 spp.]

Sypharochiton aorangi (Creese & O'Neill, 1987) AphiaID: 724148

Sypharochiton pelliserpentis (Quoy & Gaimard, 1835) AphiaID: 724149

Sypharochiton sinclairi (Gray in Dieffenbach, 1843) AphiaID: 724151

Sypharochiton themeropis Iredale, 1914 AphiaID: 386785

Sypharochiton torri (Suter, 1907) AphiaID: 724150

Genus *Tegulaplax* Iredale & Hull, 1926 AphiaID: 385601

[3 spp.]

Tegulaplax boucheti (Kaas, 1989) AphiaID: 1307166

Tegulaplax hululensis (E. A. Smith in Gardiner, 1903) AphiaID: 878795

Tegulaplax pulchra Kaas, 1991 AphiaID: 386835

Subfamily Toniciinae Pilsbry, 1893 AphiaID: 385533

Genus *Lucilina* Dall, 1882b AphiaID: 206921

[32 spp.]

Lucilina aegyptiaca Dell'Angelo, Landau, Sosso & Taviani, 2020 AphiaID: 1435780

Lucilina amanda Thiele, 1909 AphiaID: 386285

Lucilina carnosa (Kaas, 1979b) AphiaID: 386286

Lucilina carpenteri (Angas, 1867) AphiaID: 386287

Lucilina ceylonica (Leloup, 1936) AphiaID: 386288

Lucilina colantonii Dell'Angelo, Landau, Sosso & Taviani, 2020 AphiaID: 1435784

Lucilina confusa Dell'Angelo, Landau, Sosso & Taviani, 2020 AphiaID: 1435766

Lucilina dilecta Thiele, 1911 AphiaID: 220099

Lucilina dupuisi (Leloup, 1973) AphiaID: 386289

Lucilina floccata (G. B. Sowerby II, 1842) AphiaID: 386290

*Lucilina fortilirata (*Reeve, 1847b) AphiaID: 386291

Lucilina hulliana (Torr, 1911) AphiaID: 386292

Lucilina indica (Leloup, 1981) AphiaID: 386293	
Lucilina insueta Sirenko, 2019b AphiaID: 1394417	
Lucilina lamellosa (Quoy & Gaimard, 1835) AphiaID: 386295	Sirenko & Zhang (2019) found two forms of this species.
Lucilina mariae (Kaas, Van Belle & Strack, 2006) AphiaID: 386296	
Lucilina nemirkoae Sirenko, 2019b AphiaID: 1394419	
Lucilina nigropunctata (Carpenter, 1865) AphiaID: 386297	
Lucilina novemrugata (Bergenhayn, 1930a) AphiaID: 386298	
Lucilina pacifica (Kaas & Van Belle, 1998) AphiaID: 386299	
Lucilina pectinoides (Sykes, 1903) AphiaID: 386300	
Lucilina perligera Thiele, 1909 AphiaID: 386301	
Lucilina polyomma (Bergenhayn, 1932) AphiaID: 386302	
Lucilina reticulata (Nierstrasz, 1905a) AphiaID: 386303	
Lucilina shirleyi Iredale, 1914 AphiaID: 386304	
Lucilina sowerbyi (Nierstrasz, 1905a) AphiaID: 386305	
Lucilina sueziensis (Reeve, 1847b) AphiaID: 386306	
Lucilina tenuicostata Sirenko, 2016e AphiaID: 884414	
Lucilina tilbrooki Milne, 1958 AphiaID: 386307	
Lucilina truncata (G. B. Sowerby II, 1841) AphiaID: 386308	
Lucilina tydemani (Nierstrasz, 1905a) AphiaID: 386309	
Lucilina variegata (Nierstrasz, 1905a) AphiaID: 386310	

Genus *Onithochiton* Gray, 1847a AphiaID: 205084

[19 spp.]

Onithochiton amicorum (Baird, 1873) AphiaID: 1557198	
Onithochiton ashbyi Bednall & Matthews, 1906 AphiaID: 386311	
Onithochiton discrepans Hedley & Hull, 1912 AphiaID: 386312	
Onithochiton erythraeus Thiele, 1909 AphiaID: 386313	
Onithochiton gotoi Van Belle, 1993 AphiaID: 386314	Possibly a junior synonym of *Onithochiton hirasei* Pilsbry, 1901a. (ES)
Onithochiton helenae (Mackay, 1933) AphiaID: 884415	This species includes a subspecies (see supplement).
Onithochiton hirasei Pilsbry, 1901a AphiaID: 386316	
Onithochiton literatus (Krauss, 1848) AphiaID: 214886	
Onithochiton lyellii (Sowerby I in Broderip & Sowerby I, 1832) AphiaID: 386317	
Onithochiton maillardi (Deshayes, 1863) AphiaID: 214885	
Onithochiton maklayi Sirenko, 2019b AphiaID: 1394420	
Onithochiton margueritae Kaas, Van Belle & Strack, 2006 AphiaID: 386318	
Onithochiton neglectus de Rochebrune, 1881 AphiaID: 386607	This species includes a subspecies (see supplement).
Onithochiton noemiae (de Rochebrune, 1884) AphiaID: 386321	
Onithochiton oliveri Iredale, 1914 AphiaID: 386322	
Onithochiton quercinus (Gould, 1846) AphiaID: 386323	

Onithochiton societatis Thiele, 1909 AphiaID: 386324

Onithochiton stracki Sirenko, 2012 AphiaID: 708959

Onithochiton vandingeneni Dell'Angelo, Landau, Sosso & Taviani, 2020 AphiaID: 1435785

Genus *Tonicia* Gray, 1840 AphiaID: 206414

[11 spp.]

Tonicia arnheimi Dall, 1903 AphiaID: 386326

Tonicia calbucensis Plate, 1897 AphiaID: 386328

Tonicia chilensis (Frembly, 1827) AphiaID: 386329

Tonicia disalvoi (Dell'Angelo, Raines & Bonfitto, 2004) AphiaID: 1516407

Tonicia disjuncta (Frembly, 1827) AphiaID: 386330

Tonicia forbesii Carpenter, 1857 AphiaID: 386331

Tonicia fremblyana Kaas, 1957 AphiaID: 1376574

This was a replacement name (nom. nov.) for *Chiton lineolatus* Frembly in Reeve, 1847a, which is preoccupied by *Chiton lineolatus* Blainville, 1827. Clessin, 1903 described *C. glaber* to recognise the differing morphology of one figure in Reeve, 1847a; the identity of this species is unclear and may be a synonym of *T. calbucensis* Plate, 1898. (Ibáñez *et al*. 2019)

Tonicia horniana de Rochebrune in de Rochebrune & Mabille, 1889 AphiaID: 386332

Tonicia lebruni de Rochebrune, 1884 AphiaID: 386333

Tonicia schrammi (Shuttleworth, 1856) AphiaID: 386334

Tonicia swainsoni (Sowerby I in Broderip & Sowerby I, 1832) AphiaID: 386336

Family Loricidae Iredale & Hull, 1923 AphiaID: 385495

[13 spp.]

Genus *Lorica* H. Adams & A. Adams, 1852 AphiaID: 385559

[2 spp.]

Lorica haurakiensis Mestayer, 1921 AphiaID: 386181

Lorica volvox (Reeve, 1847b) AphiaID: 386182

Genus *Loricella* Pilsbry, 1893 AphiaID: 385560

[9 spp.]

Loricella angasi (H. Adams in H. Adams & Angas, 1864) AphiaID: 386183

Loricella dellangeloi Sirenko, 2008 AphiaID: 386184

Loricella eernissei Sirenko, 2008 AphiaID: 386185

Loricella neoguinensis Sirenko, 2021b AphiaID: 1513856

Loricella profundior (Dell, 1956a) AphiaID: 386187

Loricella raceki (Milne, 1963) AphiaID: 386188

Loricella scissurata (F.-S. Xu, 1990) AphiaID: 386189

Loricella solomonensis Sirenko, 2021b AphiaID: 1513859

Loricella vanbellei Sirenko, 2008 AphiaID: 386190

Genus *Squamophora* Nierstrasz, 1905a AphiaID: 385632

[2 spp.]

Squamophora nierstraszi Sirenko, 2021c AphiaID: 1498344

Squamophora oviformis Nierstrasz, 1905a AphiaID: 386764

Superfamily Schizochitonoidea Dall, 1889 AphiaID: 385406

Family Schizochitonidae Dall, 1889b AphiaID: 196301

[2 spp.]

Genus *Schizochiton* Gray, 1847a AphiaID: 204409

[2 spp.]

Schizochiton incisus (G. B. Sowerby II, 1841) AphiaID: 217232

Schizochiton jousseaumei Dupuis, 1917 AphiaID: 386337

Suborder Acanthochitonina Bergenhayn, 1930b AphiaID: 90

Superfamily Plaxiphoroidea Iredale, 1915

Family Plaxiphoridae Iredale, 1915 (reinstatement)

[22 spp.]

Genus *Plaxiphora* Gray, 1847a AphiaID: 385603

<transferred from Mopaliidae>

[*Plaxiphora* was recovered as sister to Cryptoplacoidea + Mopalioidea (see the Phylogenetic systematics) in majority of published phylogenies. Thus, we decided to acknowledge its unique and stable position; however, further revisionary work is pending on this genus. The (currently not valid) genus *Fremblya* is probably a distinct genus separate from *Plaxiphora.* (ES)

[22 spp.]

Plaxiphora albida (de Blainville, 1825) AphiaID: 848050	
Plaxiphora aurata (Spalowsky, 1795) AphiaID: 817223	
Plaxiphora australis (Suter, 1907) AphiaID: 848115	
Plaxiphora biramosa (Quoy & Gaimard, 1835) AphiaID: 848054	
Plaxiphora boydeni R. C. Murdoch, 1982 AphiaID: 386908	
Plaxiphora bucklandnicksi Sirenko, 2012 AphiaID: 708960	
Plaxiphora caelata (Reeve, 1847b) AphiaID: 848055	
Plaxiphora egregia (H. Adams, 1867) AphiaID: 848019	Possibly belongs to *Fremblya* (currently not a valid genus). (ES)
Plaxiphora fernandezi Thiele, 1909 AphiaID: 386910	
Plaxiphora gwenae A. J. Ferreira, 1987c AphiaID: 386911	
Plaxiphora indica Thiele, 1909 AphiaID: 386912	
Plaxiphora integra (Is. Taki, 1953) AphiaID: 848114	Citation has previously been erroneously listed as 1954. (JDS, KV)
Plaxiphora javanica Kaas & Van Belle, 1994 AphiaID: 1377216	
Plaxiphora kamehamehae A. J. Ferreira & Bertsch, 1979 AphiaID: 386914	
Plaxiphora matthewsi Iredale, 1910 AphiaID: 386922	Possibly belongs to *Fremblya* (currently not a valid genus). (ES)
Plaxiphora mercatoris Leloup, 1936 AphiaID: 848153	
Plaxiphora murdochi Suter, 1905 AphiaID: 386915	
Plaxiphora obscurella (Souverbie in Souverbie & Montrouzier, 1866) AphiaID: 848072	

Plaxiphora obtecta Carpenter in Pilsbry, 1893 AphiaID: 848117

Plaxiphora parva Nierstrasz, 1906 AphiaID: 386918

Plaxiphora tricolor Thiele, 1909 AphiaID: 386919

Plaxiphora tulearensis Leloup, 1981 AphiaID: 386920

Superfamily Mopalioidea Dall, 1889a AphiaID: 385408

Family Choriplacidae Ashby, 1928b AphiaID: 385506

<transferred from Cryptoplacoidea by Sigwart *et al*. 2013>

[Potentially related to callochitonid taxa based on morphology. (ES)]

[1 sp.]

Genus *Choriplax* Pilsbry, 1894a AphiaID: 385582

[1 sp.]

Choriplax grayi (H. Adams & Angas, 1864) AphiaID: 386601

Family Mopaliidae Dall, 1889a AphiaID: 23074

[50 spp.]

Genus *Boreacanthus* R. N. Clark, 2023 AphiaID: 1672910

[1 sp.]

Boreacanthus griphus R. N. Clark, 2023 AphiaID: 1672911

Genus *Amicula* Gray, 1847a AphiaID: 159926

[2 spp.]

Amicula amiculata (Pallas, 1787) AphiaID: 386339

Amicula gurjanovae Jakovleva, 1952 AphiaID: 386340

Genus *Cryptochiton* von Middendorff, 1847a AphiaID: 240775

<transferred from Acanthochitonidae>

[1 sp.]

Cryptochiton stelleri (von Middendorff, 1847b) AphiaID: 240776

Genus *Dendrochiton* S .S. Berry, 1911 AphiaID: 385620

[5 spp.]

Dendrochiton flectens (Carpenter, 1864) AphiaID: 817214

Dendrochiton gothicus (Carpenter, 1864) AphiaID: 817759

Dendrochiton lirulatus S. S. Berry, 1963 AphiaID: 386949

Dendrochiton semiliratus S. S. Berry, 1927 AphiaID: 386950

Dendrochiton thamnoporus (S. S. Berry, 1911) AphiaID: 817760

Genus *Katharina* Gray, 1847a AphiaID: 385566

[1 sp.]

Katharina tunicata (W. Wood, 1814) AphiaID: 386338 Publishing date of 1814 follows Coan & Petit (2011).

Genus *Mopalia* Gray, 1847a AphiaID: 385567

[23 spp.]

Mopalia acuta (Carpenter, 1856) AphiaID: 386341	Publishing date of 1856 follows Coan & Petit (2011).
Mopalia ciliata (G. B. Sowerby II, 1839) AphiaID: 386342	
Mopalia cirrata S. S. Berry, 1919b AphiaID: 386343	
Mopalia egretta S. S. Berry, 1919a AphiaID: 386344	
Mopalia ferreirai R. N. Clark, 1991 AphiaID: 386345	
Mopalia hindsii (Sowerby MS, Reeve, 1847b) AphiaID: 386346	
Mopalia imporcata Carpenter, 1864 AphiaID: 386347	
Mopalia kennerleyi Carpenter, 1864 AphiaID: 386348	
Mopalia lignosa (Gould, 1846) AphiaID: 386349	
Mopalia lionota Pilsbry, 1918 AphiaID: 386350	
Mopalia lowei Pilsbry, 1918 AphiaID: 386351	
Mopalia middendorffii (von Schrenck, 1861) AphiaID: 386352	Publishing date follows von Schrenck (1861).
Mopalia muscosa (Gould, 1846) AphiaID: 386353	
Mopalia phorminx S. S. Berry, 1919b AphiaID: 386354	
Mopalia plumosa Carpenter in Pilsbry, 1893 AphiaID: 769107	
Mopalia porifera Pilsbry, 1893 AphiaID: 386355	
Mopalia retifera Thiele, 1909 AphiaID: 386356	
Mopalia schrencki Thiele, 1909 AphiaID: 386357	
Mopalia seta Jakovleva, 1952 AphiaID: 386358	
Mopalia sinuata Carpenter, 1864 AphiaID: 386359	
Mopalia spectabilis I. M. Cowan & G. M. Cowan, 1977 AphiaID: 386360	
Mopalia swanii Carpenter, 1864 AphiaID: 386361	
Mopalia vespertina (Gould, 1852) AphiaID: 386362	

Genus *Placiphorella* Dall, 1878 AphiaID: 138187

[16 spp.]

Placiphorella albitestae Is. Taki, 1953 AphiaID: 386366	Citation has previously been erroneously listed as 1954. (JDS, KV)
Placiphorella atlantica (Verrill & S. I. Smith, 1882) AphiaID: 140387	
Placiphorella blainvilli (Broderip in Broderip & Sowerby I, 1832) AphiaID: 386367	
Placiphorella borealijaponica Saito & Okutani, 1989 AphiaID: 386368	
Placiphorella borealis Pilsbry, 1893 AphiaID: 386369	
Placiphorella hanselmani R. N. Clark, 1994 AphiaID: 386370	
Placiphorella isaotakii Saito, Fujikura & Tsuchida, 2008 AphiaID: 386371	
Placiphorella laurae R. N. Clark, 2019 AphiaID: 1343028	
Placiphorella kurilensis Sirenko, 2025b AphiaID: 1864394	
Placiphorella methanophila Vončina, 2024 in SOSA *et al*. 2024 AphiaID: 1765226	

Placiphorella mirabilis R. N. Clark, 1994 AphiaID: 386372

Placiphorella okutanii Saito, Fujikura & Tsuchida, 2008 AphiaID: 386373

Placiphorella pacifica S. S. Berry, 1919b AphiaID: 386374

Placiphorella rufa S. S. Berry, 1917b AphiaID: 386375

Placiphorella stimpsoni (Gould, 1859) AphiaID: 386376

Placiphorella velata (Carpenter MS, Dall, 1879) AphiaID: 386377

Genus *Placiphorina* Kaas & Van Belle, 1994 AphiaID: 385569

[1 sp.]

Placiphorina gowlettholmesae Kaas & Van Belle, 1994 AphiaID: 386378

Family Tonicellidae Simroth, 1894 AphiaID: 385500

[70 spp.]

Subfamily Tonicellinae Simroth, 1894 AphiaID: 385537

Genus *Gallardochiton* Sirenko, 2020f AphiaID: 1460930

[Genus placement in this subfamily is unclear (ES, JDS); it may be more closely related to *Nuttallochiton* or *Fremblya* (currently not a valid genus). (ES)]

[1 sp.]

Gallardochiton valdiviensis (Sirenko, 2007) AphiaID: 1460932

Genus *Boreochiton* G. O. Sars, 1878 AphiaID: 152629

[4 spp.]

[May not be a fully separate genus from *Tonicella*; both genera have a circumboreal range and current genera may not reflect the phylogeographic history. (JDS)]

Boreochiton beringensis (Jakovleva, 1952) AphiaID: 386612 This species includes a subspecies (see supplement).

Boreochiton granulatus (Jakovleva, 1952) AphiaID: 386410

Boreochiton jakovlevae Sirenko, 2016f AphiaID: 883959

Boreochiton ruber (Linnaeus, 1767) AphiaID: 386411

Genus *Tonicella* Carpenter, 1873 AphiaID: 138090

[10 spp.]

Tonicella insignis (Reeve, 1847b) AphiaID: 386440

Tonicella lineata (W. Wood, 1814) AphiaID: 386441 Publishing date of 1814 follows Coan & Petit (2011).

Tonicella lokii R. N. Clark, 1999 AphiaID: 386442

Tonicella marmorea (O. Fabricius, 1780) AphiaID: 140151

Tonicella solidior (Carpenter in Pilsbry, 1892) AphiaID: 386443 Likely a synonym of *Boreochiton ruber* (Linnaeus, 1767). (BIS)

Tonicella squamigera Thiele, 1909 AphiaID: 386444

Tonicella submarmorea (von Middendorff, 1847a) AphiaID: 367760

Tonicella undocaerulea Sirenko, 1973 AphiaID: 386445

Tonicella venusta R. N. Clark, 1999 AphiaID: 386446

Tonicella zotini Jakovleva, 1952 AphiaID: 386447

Genus *Ceratozona* Dall, 1882b AphiaID: 385557

[2 spp.]

Ceratozona angusta Thiele, 1909 AphiaID: 386148

Ceratozona squalida (C. B. Adams, 1845) AphiaID: 386149

Genus *Cyanoplax* Pilsbry, 1892 AphiaID: 385574

[9 spp.]

Cyanoplax berryana (Eernisse, 1986) AphiaID: 386412

Cyanoplax caverna (Eernisse, 1986) AphiaID: 386413

Cyanoplax cryptica Kues, 1974 AphiaID: 386423

Cyanoplax dentiens (Gould, 1846) AphiaID: 386414

Cyanoplax fernaldi (Eernisse, 1986) AphiaID: 386415

Cyanoplax hartwegii (Carpenter, 1856) AphiaID: 386416

Cyanoplax keepiana (S. S. Berry, 1948) AphiaID: 386417

Cyanoplax lowei (Pilsbry, 1918) AphiaID: 386418

Cyanoplax thomasi (Pilsbry, 1898) AphiaID: 386429

Genus *Schizoplax* Dall, 1878 AphiaID: 385570

[The family Schizoplacidae considered as a junior synonym of Tonicellidae, following Sirenko *et al*. 2013.]

[1 sp.]

Schizoplax brandtii (von Middendorff, 1847b) AphiaID: 386400

Genus *Nuttallina* Dall, 1871 AphiaID: 385576

[3 spp.]

Nuttallina californica (Nuttall MS, Reeve, 1847b) AphiaID: 386437

Nuttallina crossota S. S. Berry, 1956 AphiaID: 386438

Nuttallina fluxa (Carpenter, 1864) AphiaID: 769080 — This represents a species complex based on unpublished data (Piper 1984).

Genus *Particulazona* Kaas, 1993b AphiaID: 385577

[1 sp.]

Particulazona milnei Kaas, 1993b AphiaID: 386439

Genus *Lepidochitona* Gray, 1821 AphiaID: 138089

[29 spp.]

Lepidochitona acapulcoensis Reyes-Gómez & Flores-Garza, 2022 in Reyes-Gómez *et al*. 2022 AphiaID: 1591296

Lepidochitona africana Sirenko, 2023c AphiaID: 1634020

Lepidochitona beanii (Carpenter, 1857) AphiaID: 386420 — Transferred from *Cyanoplax* based on Sirenko (2023).

Lepidochitona bondarevi Sirenko, 2023d AphiaID: 1701259

Lepidochitona bullocki García-Ríos, 2011 AphiaID: 848150

Lepidochitona canariensis (Thiele, 1909) AphiaID: 848130

Lepidochitona caprearum (Scacchi, 1836) AphiaID: 848039 — There is also an entry for "*Chiton capriarum*" (Scacchi, 1836) in WoRMS but that spelling does not appear in the original manuscript. (ES, KV)

Lepidochitona cinerea (Linnaeus, 1767) AphiaID: 152774

Lepidochitona corteziana R. N. Clark, 2000 AphiaID: 386422 — Transferred from *Cyanoplax* based on Sirenko (2023).

Lepidochitona cubensis Sirenko, 2025c AphiaID: 1786992

Lepidochitona dicksae Sirenko & Hayes, 1999 AphiaID: 386938

Lepidochitona furtiva (di Monterosato, 1879) AphiaID: 848045

Lepidochitona granpoderi Dell'Angelo, Sirenko & B. Anseeuw, 2022 AphiaID: 1612343

Lepidochitona iberica Kaas & Van Belle, 1981 AphiaID: 749061

Lepidochitona kaasi Carmona Zalvide & García, 2000 AphiaID: 180855

Lepidochitona liozonis (Dall & Simpson, 1901) AphiaID: 848100

Lepidochitona monterosatoi Kaas & Van Belle, 1981 AphiaID: 749062

Lepidochitona pakistana Sirenko, 2023c AphiaID: 1634021

Lepidochitona pardogandarillasae Sirenko, Reyes-Gómez, García-Rios & Ibáñez, 2022 AphiaID: 1625054

Lepidochitona piceola (Shuttleworth, 1853) AphiaID: 848027

Lepidochitona pseudoliozonis García-Ríos, 2015 AphiaID: 848955

Lepidochitona rolani Kaas & Strack, 1986 AphiaID: 224246

Lepidochitona rosea Kaas, 1972 AphiaID: 848151

Lepidochitona rufoi García-Ríos, 2010 AphiaID: 848152

Lepidochitona salvadorensis García-Ríos, 2006 AphiaID: 390182

Lepidochitona severianoi Carmona Zalvide & García, 2000 AphiaID: 180856

Lepidochitona simrothi (Thiele, 1902) AphiaID: 848127

Lepidochitona stroemfelti (Bergenhayn, 1931) AphiaID: 848104

Lepidochitona turtoni (Ashby, 1928a) AphiaID: 848128

Genus *Strictochiton* Sirenko, 2020g AphiaID: 1460594

[1 sp.]

Strictochiton schniebsae Sirenko, 2020g AphiaID: 1460595

Genus *Spongioradsia* Pilsbry, 1894e AphiaID: 385630

[2 spp.]

Spongioradsia aleutica (Dall, 1878) AphiaID: 1557818

Spongioradsia subaleutica Sirenko, 1976 AphiaID: 1642936 Transferred from *Lepidochitona* based on Sirenko (1993).

Subfamily Juvenichitoninae Sirenko, 1975 AphiaID: 385538

Genus *Juvenichiton* Sirenko, 1975 AphiaID: 385571

[3 spp.]

Juvenichiton albocinnamomeus Sirenko, 1975 AphiaID: 386401

Juvenichiton komandorensis Sirenko, 1975 AphiaID: 386402 Probably a synonym of *J. saccharinus* (Dall, 1878) based on previously published observations (Sirenko 1975; Clark 1991).

Juvenichiton saccharinus (Dall, 1878) AphiaID: 386403

Genus *Micichiton* Sirenko, 1975 AphiaID: 385572

[3 spp.]

Micichiton callisto R. N. Clark, 2002 AphiaID: 386404

Micichiton grandispina Sirenko, 1975 AphiaID: 386405 — Should be corrected to "*grandispinus*". (ES)

Micichiton kurilensis Sirenko, 1975 AphiaID: 386406

Genus *Nanichiton* Sirenko, 1975 AphiaID: 385573

[1 sp.]

Nanichiton deplanatus Sirenko, 1975 AphiaID: 386407

Superfamily Cryptoplacoidea H. Adams & A. Adams, 1858 AphiaID: 385402

Family Nuttallochitonidae fam. nov.

[3 spp.]

Genus *Nuttallochiton* Plate, 1899 AphiaID: 385568

<Transferred from Mopalioidea, see "Phylogenetic systematics" part of the Introduction.>

[3 spp.]

Nuttallochiton hyadesi (de Rochebrune in de Rochebrune & Mabille, 1889) AphiaID: 386363

Nuttallochiton martiali (de Rochebrune in de Rochebrune & Mabille, 1889) AphiaID: 386364

Nuttallochiton mirandus (E. A. Smith MS, Thiele, 1906) AphiaID: 386365

Family Acanthochitonidae Pilsbry, 1893 AphiaID: 91

[170 spp.]

Genus *Acanthochitona* Gray, 1821 AphiaID: 137613

[84 spp.]

Acanthochitona achates (Gould, 1859) AphiaID: 386463

Acanthochitona angelica Dall, 1919 AphiaID: 386465

Acanthochitona approximans (Hedley & Hull, 1912) AphiaID: 386466

Acanthochitona armata (Pease, 1872) AphiaID: 386467

Acanthochitona astrigera (Reeve, 1847b) AphiaID: 386469

Acanthochitona avicula (Carpenter, 1864) AphiaID: 386470

Acanthochitona barbarae Dell'Angelo, Sosso & Taviani, 2024 AphiaID: 1767251

Acanthochitona bednalli (Pilsbry, 1894f) AphiaID: 386472

Acanthochitona biformis (Nierstrasz, 1905a) AphiaID: 386473

Acanthochitona bisulcata (Pilsbry, 1893) AphiaID: 386474

Acanthochitona bonairensis Kaas, 1972 AphiaID: 532316 — Possibly a synonym of *A. fascicularis* (fide Watters 1981, Kaas 1985c). (KV)

Acanthochitona bouvieri (de Rochebrune, 1881) AphiaID: 224267

Acanthochitona britayevi Sirenko, 2012 AphiaID: 708962

Acanthochitona brookesi Ashby, 1926 AphiaID: 386475

Acanthochitona brunoi Righi, 1971 AphiaID: 386476

Acanthochitona burghardtae R. N. Clark, 2000 AphiaID: 386477 — "burghardtorum" would have been the more correct name, as the author honoured both Burghardts but this does not meet the requirements of ICZN art. 32.5.1 and 33.4 to necessitate a name change. (ES, KV, JDS)

Acanthochitona byungdoni Hong, Dell'Angelo & Van Belle, 1990 AphiaID: 386478	
Acanthochitona circellata (A. Adams & Reeve MS, Reeve, 1847b) AphiaID: 386479	
Acanthochitona ciroi Righi, 1971 AphiaID: 386480	
Acanthochitona complanata (Hull, 1924) AphiaID: 386481	
Acanthochitona condaoi Sirenko & Saito, 2017 AphiaID: 1023711	
Acanthochitona coxi (Pilsbry, 1894d) AphiaID: 386482	
Acanthochitona crinita (Pennant, 1777) AphiaID: 138675	
Acanthochitona defilippii (Tapparone Canefri, 1874) AphiaID: 386483	
Acanthochitona discrepans (T. Brown, 1827) AphiaID: 138676	
Acanthochitona dissimilis Is. Taki & Iw. Taki, 1931b AphiaID: 386484	
Acanthochitona exquisita (Pilsbry, 1893) AphiaID: 386485	
Acanthochitona fascicularis (Linnaeus, 1767) AphiaID: 138677	
Acanthochitona ferreirai Lyons, 1988 AphiaID: 386486	
Acanthochitona garnoti (de Blainville, 1825) AphiaID: 367633	
Acanthochitona gatliffi (Ashby, 1919) AphiaID: 386487	
Acanthochitona granostriata (Pilsbry, 1894d) AphiaID: 386488	
Acanthochitona hemphilli (Pilsbry, 1893) AphiaID: 386489	
Acanthochitona hirudiniformis (Sowerby I in Broderip & Sowerby I, 1832) AphiaID: 386609	This species includes a subspecies (see supplement).
Acanthochitona imperatrix Watters, 1981 AphiaID: 386492	
Acanthochitona intermedia (Nierstrasz, 1905a) AphiaID: 386493	
Acanthochitona joallesi (de Rochebrune, 1881) AphiaID: 386494	
Acanthochitona jucunda (de Rochebrune, 1882) AphiaID: 386495	
Acanthochitona jugotenuis Kaas, 1979b AphiaID: 386496	
Acanthochitona kimberi (Torr, 1912a) AphiaID: 386497	
Acanthochitona lanae Sirenko & Saito, 2017 AphiaID: 1023712	
Acanthochitona leopoldi (Leloup, 1933) AphiaID: 386498	
Acanthochitona limbata Kaas, 1986 AphiaID: 386499	
Acanthochitona lineata Lyons, 1988 AphiaID: 386500	
Acanthochitona macrocystialis (Ashby, 1924) AphiaID: 386501	
Acanthochitona mahensis Winckworth, 1927 AphiaID: 386502	
Acanthochitona mastalleri Strack, 1989 AphiaID: 224228	
Acanthochitona minuta Leloup, 1980 AphiaID: 386503	
Acanthochitona nana Sirenko & Tai-Tu, 2022 AphiaID: 1648721	
Acanthochitona nigra Sirenko & Saito, 2017 AphiaID: 1023714	
Acanthochitona oblonga Leloup, 1981 AphiaID: 386617	

Acanthochitona ostreaphila Sirenko & Saito, 2017 AphiaID: 1023715

Acanthochitona oxum Jardim, Almeida & Simone, 2022 AphiaID: 1567169

Acanthochitona pelicanensis Mackay, 1929 AphiaID: 386505

Acanthochitona penetrans Winckworth, 1933 AphiaID: 386506

Acanthochitona penicillata (Deshayes, 1863) AphiaID: 367632

Acanthochitona pilosa Schmidt-Petersen, Schwabe & Haszprunar, 2015 AphiaID: 871609

Acanthochitona pilsbryi (Sykes, 1896) AphiaID: 386507

Acanthochitona pygmaea (Pilsbry, 1893) AphiaID: 386508

Acanthochitona quincunx Leloup, 1981 AphiaID: 386509

Acanthochitona retrojecta (Pilsbry, 1894g) AphiaID: 386510

Acanthochitona rhodea (Pilsbry, 1893) AphiaID: 386511

Acanthochitona roseojugum Lyons, 1988 AphiaID: 386512

Acanthochitona rubrolineata (Lischke, 1873) AphiaID: 386513

Acanthochitona saitoi Sirenko, 2012 AphiaID: 708963

Acanthochitona saundersi Gowlett & Zeidler, 1987 AphiaID: 386514

Acanthochitona savinkini Sirenko, 2012 AphiaID: 708964

Acanthochitona scutigera (Reeve, 1847b) AphiaID: 386515

Acanthochitona shaskyi A. J. Ferreira, 1987b AphiaID: 386516

Acanthochitona shirleyi (Ashby, 1922) AphiaID: 386517

Acanthochitona sibogae (Thiele, 1910) AphiaID: 386518

Acanthochitona spiculosa (Reeve, 1847b) AphiaID: 532317

Acanthochitona spratlyenses Sirenko & Nguyen Tai, 2021 AphiaID: 1516354

Acanthochitona subrubicunda (Leloup, 1941a) AphiaID: 224268

Acanthochitona sueurii (de Blainville, 1825) AphiaID: 386519

Acanthochitona terezae Guerra Júnior, 1983 AphiaID: 386520

Acanthochitona thackwayi (Ashby, 1924) AphiaID:386521

Acanthochitona thileniusi (Thiele, 1909) AphiaID: 386522

Acanthochitona variegata (Nierstrasz, 1906) AphiaID: 386523

Acanthochitona venezuelana Lyons, 1988 AphiaID: 386524

Acanthochitona viridis (Pease, 1872) AphiaID: 386525

Acanthochitona woodwardi Kaas & Van Belle, 1988b AphiaID: 386526

Acanthochitona worsfoldi Lyons, 1988 AphiaID: 386527

Acanthochitona zelandica (Quoy & Gaimard, 1835) AphiaID: 367630

Genus *Americhiton* Watters, 1990 AphiaID: 415040

[Probably not a separate genus and should be transferred back to *Acanthochitona*. (ES, KV, JDS).]

[4 spp.]

Americhiton andersoni (Watters, 1981) AphiaID: 419321

Americhiton arragonites (Carpenter, 1857) AphiaID: 1353854

Americhiton balesae (Abbott, 1954) AphiaID: 1353857

Americhiton zebra (Lyons, 1988) AphiaID: 1353859

Genus *Bassethullia* Pilsbry, 1928 AphiaID: 385578

[3 spp.]

Bassethullia glypta (Sykes, 1896) AphiaID: 386529

Bassethullia matthewsi (Bednall & Pilsbry in Pilsbry, 1894d) AphiaID: 386530

Bassethullia porcina (Ashby, 1919) AphiaID: 386531

Genus *Choneplax* Carpenter MS, Dall, 1882b AphiaID: 204838

[The genus is thought to be polyphyletic with multiple independent origins in *Acanthochitona* (Sirenko 2003)]

[3 spp.]

Choneplax indica Odhner, 1919 AphiaID: 386533

Choneplax lata (Guilding, 1829) AphiaID: 386532

Choneplax littlerorum Sirenko, 2003 AphiaID: 386534

Genus *Craspedochiton* Shuttleworth, 1853 AphiaID: 152767

[15 spp.]

Craspedochiton aberrans (Odhner, 1919) AphiaID: 386535	Status unclear, revision needed. (ES)
Craspedochiton cornutus (Torr & Ashby, 1898) AphiaID: 386536	Probably belongs to *Craspedoplax*. (ES)
Craspedochiton elegans (Iredale & Hull, 1925b) AphiaID: 386537	Probably belongs to *Craspedoplax*. (ES)
Craspedochiton foresti (Leloup, 1965) AphiaID: 386538	
Craspedochiton hystricosus Kaas, 1991 AphiaID: 386539	
Craspedochiton isipingoensis (Sykes, 1901) AphiaID: 213485	Possibly belongs to *Thaumastochiton* (currently not a valid genus). (Schwabe & Els 2019)
Craspedochiton jaubertensis Ashby, 1924 AphiaID: 1377214	
Craspedochiton laqueatus (G. B. Sowerby II, 1842) AphiaID: 213484	
Craspedochiton moebiusi Thiele, 1909 AphiaID: 1446632	Possibly belongs to *Thaumastochiton* (currently not a valid genus). (Schwabe & Els 2019)
Craspedochiton petasus (Reeve, 1847a) AphiaID: 386541	Status unclear, revision needed. (ES)
Craspedochiton productus (Carpenter in Pilsbry, 1892) AphiaID: 386542	
Craspedochiton pyramidalis (Is. Taki, 1938c) AphiaID: 386543	Possibly belongs to *Thaumastochiton* (currently not a valid genus). (Schwabe & Els 2019)
Craspedochiton tesselatus Nierstrasz, 1905a AphiaID: 386545	
Craspedochiton umgazianus (Koch, 1951) AphiaID: 1647105	Possibly belongs to *Thaumastochiton* (currently not a valid genus). (Schwabe & Els 2019)
Craspedochiton zefranki Vončina, 2025 in SOSA *et al*. 2025 AphiaID: 1838963	

Genus *Craspedoplax* Iredale & Hull, 1925b AphiaID: 385579

[1 sp.]

Craspedoplax variabilis (H. Adams & Angas, 1864) AphiaID: 386547

Genus *Cryptoconchus* Burrow, 1815 AphiaID: 152815

[The genus might be polyphyletic with multiple independent origins in *Acanthochitona* (BIS), supported also by Saito (2004).]

[4 spp.]

Cryptoconchus burrowi (Nierstrasz, 1905a) AphiaID: 386548

Cryptoconchus floridanus (Dall, 1889b) AphiaID: 386549

Cryptoconchus oliveri Schwabe, 2004 AphiaID: 386550

Cryptoconchus porosus (de Blainville MS, Burrow, 1815) AphiaID: 220211

Genus *Leptoplax* Dall, 1882b AphiaID: 385580

[13 spp.]

Leptoplax coarctata (G. B. Sowerby II, 1841) AphiaID: 386551

Leptoplax curvisetosa (Leloup, 1960) AphiaID: 386552

Leptoplax doederleini (Thiele, 1909) AphiaID: 386553

Leptoplax duongae Sirenko, 2024c AphiaID: 1726329

Leptoplax nhatrangi Sirenko & Saito, 2017 AphiaID: 1023703

Leptoplax noumeaensis (Leloup, 1941b) AphiaID: 1617371 — Potentially should be transferred back to *Acanthochitona*. (ES, KV)

Leptoplax richardi (Kaas, 1990) AphiaID: 1023704

Leptoplax rubromaculata (Nierstrasz, 1905a) AphiaID: 386554

Leptoplax tongkingi Sirenko & Saito, 2017 AphiaID: 1023706

Leptoplax unica (Nierstrasz, 1905a) AphiaID: 386555

Leptoplax varia Nierstrasz, 1905a AphiaID: 386556

Leptoplax verconis (Torr & Ashby, 1898) AphiaID: 386557

Leptoplax wilsoni (Sykes, 1896) AphiaID: 386558

Genus *Notoplax* H. Adams, 1862 AphiaID: 206244

[41 spp.]

Notoplax acutirostrata (Reeve, 1847a) AphiaID: 386559

Notoplax addenda Iredale & Hull, 1925b AphiaID: 386560

Notoplax aenigma (Iredale & Hull, 1925b) AphiaID: 386561

Notoplax alisonae (Winckworth, MS, Kaas, 1976) AphiaID: 386562

Notoplax arabica Kaas & Van Belle, 1988b AphiaID: 386563

Notoplax aupouria Powell, 1937 AphiaID: 386564

Notoplax bergenhayni Kaas & Van Belle, 1998 AphiaID: 386565

Notoplax conica Is. Taki & Iw. Taki, 1929b AphiaID: 386567

Notoplax costata (H. Adams & Angas, 1864) AphiaID: 386568

Notoplax crocodila (Torr & Ashby, 1898) AphiaID: 386569

Notoplax curiosa (Iredale & Hull, 1925b) AphiaID: 386570

Notoplax dallii Is. Taki & Iw. Taki, 1929b AphiaID 386571

Notoplax facilis Iredale & Hull, 1931 AphiaID: 386572

Notoplax formosa (Reeve, 1847a) AphiaID: 386573

Notoplax gabrieli (Ashby, 1922) AphiaID: 386574

Notoplax glauerti (Ashby, 1923b) AphiaID: 386575

Notoplax hilgendorfi Thiele, 1909 AphiaID: 386576

Notoplax hirta (Thiele, 1909) AphiaID: 386577 — Potentially belongs to *Thaumastochiton* (currently not valid). (Schwabe & Els 2019)

Notoplax holosericea (Nierstrasz, 1905a) AphiaID: 386578

Notoplax kaasi Hong, Dell'Angelo & Van Belle, 1990 AphiaID: 386579

Notoplax lancemilnei Gowlett-Holmes, 1988 AphiaID: 386580

Notoplax latalamina Dell, 1956b AphiaID: 386581

Notoplax leuconota (Hedley & Hull, 1912) AphiaID: 386582

Notoplax macandrewi Iredale & Hull, 1925b AphiaID: 386583

Notoplax magellanica Thiele, 1909 AphiaID: 386584

Notoplax mariae (Webster, 1908) AphiaID: 386585

Notoplax mayi (Ashby, 1922) AphiaID: 386586

Notoplax odysseyi Sirenko & Saito, 2017 AphiaID: 1023702

Notoplax richeri Kaas, 1990 AphiaID: 386588

Notoplax rosea (Leloup, 1940) AphiaID: 386589

Notoplax rostellata Kaas, 1990 AphiaID: 386590

Notoplax rubiginosa (Hutton, 1872) AphiaID: 724144

Notoplax rubrostrata (Torr, 1912a) AphiaID: 386591

Notoplax speciosa (H. Adams, 1862) AphiaID: 386592

Notoplax sphenorhyncha (Iredale & Hull, 1925b) AphiaID: 386593

Notoplax squamopleura Bergenhayn, 1933 AphiaID: 386594

Notoplax subviridis (Torr, 1911) AphiaID: 386595

Notoplax tateyamaensis Is. Taki MS, Wu & Okutani, 1995 AphiaID: 386596

Notoplax tridacna (de Rochebrune, 1881) AphiaID: 386597

Notoplax violacea (Quoy & Gaimard, 1835) AphiaID: 386598

Notoplax websteri Powell, 1937 AphiaID: 386599

Genus *Pseudotonicia* Ashby, 1928 AphiaID: 385581

[1 sp.]

Pseudotonicia cuneata (Suter, 1908) AphiaID: 386600

Genus *Sulcichiton* Sirenko, 2021d AphiaID: 1544430

[The genus might not be valid (ES).]

[1 sp.]

Sulcichiton anseeuwi Sirenko, 2021d AphiaID: 1544431	Probably a synonym of *Craspedoplax cornuta* (Torr & Ashby, 1898). (ES)

Family Cryptoplacidae H. Adams & A. Adams, 1858 AphiaID: 196300

[20 spp.]

Genus *Cryptoplax* de Blainville, 1818 AphiaID: 205298

[20 spp.]

Cryptoplax acerocostata Sirenko, Saito & Nguyen 2024 AphiaID: 1764039	
Cryptoplax brunoi Saito, 2023 AphiaID: 1665833	
Cryptoplax burrowi (E. A. Smith, 1884) AphiaID: 386448	
Cryptoplax dawydoffi Leloup, 1937 AphiaID: 386450	
Cryptoplax dimidiata Ang, 1967 AphiaID: 386451	
Cryptoplax dupuisi Ashby, 1931 AphiaID: 386452	
Cryptoplax elioti Pilsbry, 1901b AphiaID: 386453	
Cryptoplax hartmeyeri Thiele, 1911 AphiaID: 386454	
Cryptoplax iredalei Ashby, 1923a AphiaID: 386455	
Cryptoplax japonica Pilsbry, 1901a AphiaID: 386456	
Cryptoplax larvaeformis (de Blainville MS, Burrow, 1815) AphiaID: 220212	
Cryptoplax mystica Iredale & Hull, 1925b AphiaID: 386457	
Cryptoplax oculata (Quoy & Gaimard, 1835) AphiaID: 386458	
Cryptoplax plana Ang, 1967 AphiaID: 386459	
Cryptoplax propior Is. Taki & Iw. Taki, 1930 AphiaID: 386460	
Cryptoplax risbeci Kaas & Van Belle, 1998 AphiaID: 1376529	Possibly a synonym of *C. larvaeformis* (de Blainville MS, Burrow, 1815) (ES).
Cryptoplax royana Iredale & Hull, 1925b AphiaID: 386461	
Cryptoplax striata (Lamarck, 1819) AphiaID: 386462	
Cryptoplax sykesi Thiele, 1909 AphiaID: 220213	
Cryptoplax vittata Ang, 1967 AphiaID: 1764059	

Family Hemiarthridae Sirenko, 1997 AphiaID: 385507

[Schwabe (2020) has proposed emendation of spelling to *Hemiarthrumidae* to remove homonymy with *Hemiarthrinae* Markham, 1972 (Arthropoda, Malacostraca).].

[5 spp.]

Genus *Hemiarthrum* Carpenter in Dall, 1876 AphiaID: 385583

[1 sp.]

Hemiarthrum setulosum Carpenter in Dall, 1876 AphiaID: 386603	

Genus *Weedingia* Kaas, 1988 AphiaID: 385584

[4 spp.]

Weedingia alborosea Kaas, 1988 AphiaID: 386604

Weedingia exigua (Sowerby I in Broderip & Sowerby I, 1832) AphiaID: 386605

Weedingia mooreana Kaas, 1988 AphiaID: 386606

Weedingia paulayi Schwabe & Pittman, 2014 AphiaID: 760691

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Supplementary Materials. The following supporting information can be downloaded at the DOI landing page of this paper.

Supplementary data. Checklist of Recent Polyplacophora—supplementary file with annotations.