

A CLASSIFICATION OF LIVING AND FOSSIL GENERA OF DECAPOD CRUSTACEANS

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ABSTRACT. – We present an updated classification for the entire Crustacea Decapoda, listing all known families and genera organized by higher taxonomic groups and including estimates of the number of species in every genus. All taxonomic names are also linked to the verified literature in which they were described, the first compilation of its kind for the Decapoda. To arrive at this compilation, we began with the classification scheme provided by Martin & Davis (2001) for extant families, updated the higher classification and included the fossil taxa. The resultant framework was then populated with the currently valid genera and an estimate of species numbers within each genus. Our resulting classification, spanning both extant (living) and fossil taxa, is the first comprehensive estimate of taxonomic diversity within the entire Decapoda. The classification consists of 233 families of decapods containing 2,725 genera and an estimated 17,635 species (including both extant and fossil species). Of the families in our classification, 53 are exclusively fossil, 109 contain both fossil and extant species, and 71 are extant only. The current estimate for extant species is 14,756, whereas 2,979 species are known exclusively as fossils.

KEY WORDS. – Decapoda, Crustacea, Arthropoda, taxonomy, classification.

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PREAMBLE

It is a daunting task to compile a comprehensive list of the families and genera of the decapod crustaceans. Decapods are incredibly diverse, and decapod taxonomy is an active field with productive researchers constantly making new discoveries. These discoveries require changes in our classification in order to accommodate new findings and to better reflect evolutionary relationships. Thus, producing a complete and “up to date” classification of the decapods is in many ways an exercise in futility, as any such work is bound to be outdated by the time it is published. Nevertheless, such compilations are immensely helpful for newcomers to the field, for established veterans with failing memories, for keeping track of recent updates, and for organizing future work. Indeed, a well-done classification becomes the framework for a diversity of fields and projects well beyond the systematic field. Such classifications are the backbone of retrieval systems for genetic data, such as GenBank, and they are the foundation for synthesis efforts such as the Encyclopedia of Life project. For the decapods, we had the great advantage of having a recent and comprehensive classification of all crustacean families (Martin & Davis, 2001) as our starting point. From that starting point, we incorporated recent updates, modified the higher level classification to reflect current phylogenetic understanding and expanded the treatment to the genus level. Additionally, we have incorporated into the taxonomy a complete listing of all fossil decapod taxa, with the resulting list thus spanning the realms of neontology and paleontology, an exercise not often undertaken for Crustacea. The cut-off date for inclusion of taxa was set at 31 July 2009; we are however acutely aware that by the time this compilation sees the light of day, new taxa will have been described, some taxa will perhaps have been synonymised, and new insights into decapods relationships will have appeared in print. As additional modern studies are conducted there will inevitably be reassessments and re-evaluations; however, the present list reflects our best judgment based upon our personal evaluation of the literature and an intimate knowledge of that group of animals with which we are all fascinated, the decapod crustaceans.

GENERAL NOTES

Structure of the list. It is important to recognize that, although some relationships are implied by the grouping of genera within families and families within superfamilies, the classification presented here is intended to be more of a catalogue of Decapoda rather than a wholly phylogenetic treatment. Thus, superfamilies and families are often listed in alphabetical order. Unfortunately, this can at times obscure relationships that seem (to us) well founded. One example is the separation of the eriphiids and menippids from other traditionally “xanthoid” families; another is the separation of the goneplacoids and portunoids. But on the other hand, an alphabetical listing is quite useful for the

purposes of a catalogue. Within families and subfamilies, all genera are also listed alphabetically.

One reason we have avoided a phylogenetic treatment at this time is that we have included both extant and fossil taxa; few phylogenetic studies of Crustacea have crossed this divide and incorporated both (see Karasawa et al., 2008, for an example of such a study). Where phylogenetic information is generally accepted and relatively uncontroversial, as for instance in the arrangement of the sub- and infraorders, we have attempted to list taxa phylogenetically. Because many modern phylogenetic studies and resulting classifications are based upon molecular studies, the incorporation of fossil taxa into these frameworks can be problematic. As such, the current classification may seem an unfortunate “mix of two evils” to some readers, and we can but hope that revisionary studies will continue apace, so that when the time comes to produce a second, revised version we may have achieved that Holy Grail of neo-Darwinian systematics, a classification that reflects modification by descent. Indeed, one of our purposes in publishing such a list at this time is to discern what areas of decapod phylogeny are in need of more rigorous testing.

On taxon authorities, author names and dating. As is well known among systematists, attributing the correct authorship in some of the older references can be confusing, especially in those cases where the authors themselves attribute the name to somebody else. For instance, Desmarest (1823) attributed several names to either Latreille or Leach. Under current ICZN rules these names must be attributed to Desmarest, and not attributed to Leach in Desmarest. A full discussion of this and related issues can be found in Ng (1998), Ng (1999), and Ng et al. (2008). In the present catalogue, the same rules are applied. Although it is customary to address the spelling of author names and how these should be listed in the literature section, much of this has been stated previously, and we refer readers to Ng et al. (2008) for a discussion on this topic. A further difficult point as concerns older references is their date of publication, a very important issue for taxonomists but one that is often misunderstood in other branches of science that use and rely on taxonomic information. In those cases where dating issues have been reported, commented upon in various draft versions of the current list, or where discrepancies were noted, we have made every effort to arrive at the correct year of publication. For this we have relied on a variety of sources: Duncan (1937) and Dickinson (2005) for *Proceedings of the Zoological Society of London* and their *Transactions*; Clark & Presswell (2001) for White’s publications; Evenhuis (2003) for the *Annals and Magazine of Natural History*; Guinot & Cleva (2002) for authorship and dates in d’Orbigny’s *Voyage dans l’Amérique méridionale*; Harrison & Smith (2008) for all of Leach’s publications; Low et al. (2009) for dating of early issues of the *Raffles Bulletin of Zoology*; others as listed in Ng et al. (2008); and additional as yet unpublished information, for instance on

Table 1. Number of species of Decapoda.

Taxon	Extant species	Extant species also known as fossils	Exclusively fossil species
Order Decapoda Latreille, 1802	14,335	321	2,979
Suborder Dendrobranchiata Bate, 1888	540	0	98
Suborder Pleocyemata Burkenroad, 1963	13,795	321	2,862
Infraorder Stenopodidea Bate, 1888	69	0	2
Infraorder Caridea Dana, 1852	3,268	0	57
Infraorder Astacidea Latreille, 1802	653	5	124
Infraorder Glypheidea Winkler, 1883	2	0	256
Infraorder Axiidea de Saint Laurent, 1979	423	14	260
Infraorder Gebiidea de Saint Laurent, 1979	192	4	25
Infraorder Achelata Scholtz & Richter, 1995	140	3	72
Infraorder Polychelida Scholtz & Richter, 1995	38	0	55
Infraorder Anomura MacLeay, 1838	2,451	19	230
Infraorder Brachyura Linnaeus, 1758	6,559	276	1,781
Section Dromiacea De Haan, 1833	240	4	293
Section Raninoida De Haan, 1839	39	7	196
Section Cyclodorippoida Ortmann, 1892	89	0	27
Section Eubrachyura de Saint Laurent, 1980	6,191	265	1,265
Subsection Heterotremata Guinot, 1977	5,066	241	1,209
Subsection Thoracotremata Guinot, 1977	1,125	24	55
Unplaced at subsection level	0	0	1
Unplaced at subordinal level	0	0	19

the publication date of Bruce (1995).

On species counts. The species counts are based on a number of published and unpublished species level lists by the various authors of the current compilation. Subspecies were not counted. In numerous cases, the counts are accurate up to 31 August 2009, but in this rapidly moving field, numerous new species are described every month, and others are synonymised as new evidence comes to light. As such, the species counts should be regarded only as current “best estimates.” Taxa that are either exclusively living (extant) or exclusively fossil (the latter indicated by ††) have only one tally associated with them. In contrast, taxa that are known to include both extant and fossil species (indicated by †) are provided with three counts, e.g. “Family Nephropidae † Dana, 1852a (49, 4, 90)”. The first number represents exclusively extant species, the second number indicates extant species also represented in the fossil record, and the third is the number of exclusively fossil species. The total number of extant species is the sum of the first two numbers; in this case there are 53 known species of living Nephropidae. The total number of fossil species is the sum of the second and third numbers: there are 94 known species of fossil Nephropidae. The total number of known species (extant, fossil, or both) is the sum of all three numbers: there are 143 known species of Nephropidae.

On subgenera. The current classification is presented down to genus level only. We are aware that subgenera are in common use in some taxa, such as the crab genera *Uca* Leach, 1814, *Portunus* Weber, 1795, *Charybdis* De Haan, 1833, and *Macrophthalmus* A.G. Desmarest, 1823 (see Ng et al., 2008) and the crayfish genus *Cambarus* Erichson, 1846. For consistency, and because of the difficulty in

properly assigning both fossil and extant species to subgenera, we have chosen to summarize information down to only the genus level.

On synonyms. The current classification lists only currently valid genera. The observant reader will notice the absence of some well known genera, for example the caridean genus *Kemponia* Bruce, 2004, for which very recently a senior synonym, *Cuapetes* Clark, 1919, was resurrected by Okuno (2009). We accept that this may be of some inconvenience to those users of the classification who are perhaps not as familiar with decapod literature as the authors. For Brachyura, such information can be found in Ng et al. (2008) (with updates available on the website: <http://rmbr.nus.edu.sg/research/cotw/supplement17.php>), and this key compilation will soon be joined by similar efforts for Dendrobranchiata, Caridea and Stenopodidea (De Grave & Fransen, in prep.); for Astacidea, Achelata and Polychelida (Chan & Crandall, in prep.); and by the important compilation of fossil Decapoda [Schweitzer et al., 2009 (in press)]. We refer the reader to those compilations for synonymy information.

On hyperlinks in the text. Each taxon name in the text is linked to an internet resource for that taxon. Initially, those links will go to the curated bibliographic information for that taxon (which includes, where available, the full text of the publication) at <http://decapoda.nhm.org>. After publication, this taxonomic catalogue will be used to revise the online classification at the World Register of Marine Species (<http://marinespecies.org>). Once the revision of the online resource is completed, the links will be redirected to the taxon information there (which will also include the authority information). Corrections, changes, and additions will be made to the online catalogue. By linking taxon

names to an online resource, updated information will be available after the publication of the text.

HOW MANY SPECIES OF DECAPODA ARE THERE?

Chace (1951) was the last authority to tabulate all genera and species of then-known Recent decapod crustaceans, based on a comprehensive file card system that he and colleagues maintained at the United States National Museum of Natural History. Chace estimated the known number at 8,321 species, distributed among 1,000 genera, with Brachyura accounting for 4,428 species (in 635 genera). According to Ng et al. (2008), this latter figure compares quite favorably with their estimate of 4,120 known at that time (raised to 6,793 by 2008), and thus we can place some confidence in Chace's global decapod species estimate of 8,321 known in 1951. More recent, somewhat vague, published estimates put the number of species somewhere upwards of 10,000 species, with only Martin & Davis (2006) providing an accurate estimate of 7,905 species (but based on a database estimated to contain only about half of all described crustacean species). Based on our current effort, we put the total number of extant species of Decapoda at 14,756 (in 2,725 genera), with Brachyura accounting for 6,835 species, i.e. 46% (Table 1). This implies that in the last 50 years, the number of described species has nearly doubled! However, we are of course still a long way from knowing the true global diversity of Decapoda. The number of known fossil species currently stands at 3,300. Here too, discoveries will continue for some time to come, as new localities are explored, more revisions are completed, and museum collections are more thoroughly studied.

THE HIGHER CLASSIFICATION OF DECAPODA

The higher classification of the Decapoda is deeply rooted in the early works of such luminaries as H. Milne Edwards, Dana, Latreille and contemporaries, to which can be added the often divergent opinions of Borradaile, Bate and others. In the last few decades, a more stable classification has emerged due to the more rigorous application of cladistic techniques to both morphological and molecular data, as well as to the advent of more sophisticated morphological and molecular studies. Although the last word on the subject has not been given (especially within the Brachyura), we now appear to have broad consensus on the validity of two suborders: Dendrobranchiata and Pleocyemata, amply supported by genetic and morphological studies. The Pleocyemata are herein further divided into 10 infraorders, most of which have been recognized for some time and appear uncontroversial (Caridea, Stenopodidea, Astacidea, Achelata, Anomura, Brachyura). In addition to those, we follow Dixon et al. (2003), Ahyong & O'Meally (2004), and Bracken et al. (2009) in affording infraordinal status to the glypheid

lobsters (as infraorder Glypheidea). Following Scholtz & Richter (1995) and Ahyong (2009), we also recognize the infraorder Polychelida. We follow Robles et al. (2009) in the recognition of two infraorders (Axiidea, Gebiidea) for the thalassinidean families. Within the Brachyura, and departing from Ng et al. (2008), we do not recognize the section Podotremata, and instead follow Ahyong et al. (2007) with three sections: Dromiacea, Raninoida, Cyclodrippoida (see also Ahyong, Naruse et al., 2009). Further notes on the classification employed within the various groups are presented below.

We stress that our arrangement of taxa, both at higher levels (families within superfamilies, sections, etc.) and at lower levels (genera within families), is not agreed upon by all workers.

Dendrobranchiata, Stenopodidea, Caridea. For the Dendrobranchiata, apart from some additional genera, little has changed since the comprehensive treatment in Pérez Farfante & Kensley (1997), which in turn formed the basis of the Martin & Davis (2001) classification. Recent and ongoing molecular studies (e.g. Chan et al., 2008; Ma et al., 2009) may require changes in the near future. The stenopodideans, a relatively small group, also have changed little since the Martin & Davis (2001) list, although one family and several new genera have been added. For the Caridea, an enormous and diverse assemblage, our work is based on ongoing updates to the Holthuis (1993) catalogue by S. De Grave and C. Fransen. One difference pertains to the subfamilies in Atyidae, which we do not recognize herein. Another difference concerns the family status of several palaemonoid groups, where we follow Bruce (1993) in recognizing eight families. The order of superfamilies followed here is not a reflection of phylogenetic order, and merely follows Chace (1992) and Holthuis (1993). We acknowledge the recent study by Bracken et al. (2009), which questioned the validity of the superfamily arrangement within Caridea as well as the monophyly of several families. Christoffersen (1986, 1987, 1988a, 1988b, 1989, 1990) proposed an alternative arrangement of caridean systematics (see Holthuis, 1993, for a discussion). Although some of his suggestions have been incorporated over the years (e.g. see Martin & Davis, 2001), many others were rejected. However, recent, as yet unpublished, work has forced caridean workers to look more closely at some of Christoffersen's suggestions. Evidence that an extensive rearrangement of caridean superfamilies and families is needed is forthcoming in ongoing morphological and molecular studies, but for now we adhere to the more traditional classification.

Astacidea. The evolutionary relationships and taxonomy of groups within the infraorder Astacidea are far from settled and stable. Cladistic methods applied to morphology (since the mid-1990s) and to molecular data (since 2004) hold promise, but results often disagree even at high taxonomic levels. For example, the extinct family

Chilenophoberidae is arguably monophyletic (Ahyong, 2006; Tshudy & Babcock, 1997), but its relationship to other higher taxa differs in various studies (Ahyong, 2006; Rode & Babcock, 2003; Tshudy & Babcock, 1997). Additionally, some astacid fossil families (e.g. Protastacidae, Stenochiridae) have been largely or altogether ignored to date in cladistic analyses. For marine clawed lobsters, Ahyong & O'Meally (2004) and Ahyong (2006) are currently the most extensive analyses; both show good agreement with the results of Tshudy et al. (2009), who analyzed nephropid phylogeny using 12s and 16s rRNA from most of the extant nephropid genera.

The higher classification presented here is based largely on Ahyong & O'Meally's (2004) extensive, combined morphological-molecular analysis of 45 decapod taxa. Their analysis shows marine clawed lobsters to be the sister group to the freshwater crayfish. Within the marine lobsters, the Enoplometopidae are a sister group to the Nephropidae + Thaumastochelidae. These results are corroborated by more recent molecular studies (e.g. Tsang, Ma et al., 2008). Following Amati et al. (2004), the extinct Erymoidea is removed to the infraorder Glypheida (see below).

The thaumastochelids are a morphologically distinctive and cladistically cohesive monophyletic group, traditionally recognized as the family Thaumastochelidae. However, they are depicted as nested within the Nephropidae in recent molecular analyses (Tsang, Ma et al., 2008; Tshudy et al., 2009). We follow that arrangement here.

At a lower taxonomic level (families, genera), Ahyong (2006) presented the most extensive morphological analysis of clawed lobster genera to date. His cladogram serves as the morphological state of the art for comparison to recent molecular phylogenies (e.g. Tsang, Ma et al., 2008 and Tshudy et al., 2009). Currently, molecular results are in relatively good agreement with each other but differ significantly from morphological results (e.g. see Tshudy et al., 2009).

The freshwater crayfish are a well-established monophyletic group (Crandall et al., 2000; Scholtz & Richter, 1995). Scholtz & Richter (1995) further suggested that there are no morphological characters uniting freshwater crayfishes with the clawed lobsters and that the mud shrimps (Thalassinidea) might actually be more closely related to the crayfishes. However, recent analyses support the sister relationship between clawed lobsters and freshwater crayfishes (Ahyong & O'Meally, 2004; Bracken et al., 2009; Breinholt et al., 2009; Crandall et al., 2000; Dixon et al., 2003; Porter et al., 2005), lending support to the continued recognition of Astacidea. Within the freshwater crayfish, there are two monophyletic groups that correspond to the superfamilies Parastacoidea (the southern-hemisphere crayfish) and Astacoidea (northern hemisphere crayfish). The genus level taxonomy has been

very dynamic of late with three significant alterations, one by Hansen & Richardson (2006) who sank the genus *Parastacoides* Clark, 1936, and created two new genera, *Spinastacoides* Hansen & Richardson, 2006, and *Ombrastacoides* Hansen & Richardson, 2006. Another proposal was by Starobogatov (1995), who created six new genera and 36 new species in the Astacidae. However, his taxonomy has not been generally accepted by the community (especially those in Europe where the Astacidae are found), and therefore we keep to the more conventional higher taxonomy outlined by Hobbs (1974), but with the adjustments from Hansen & Richardson (2006). We should note, however, that this taxonomy leaves much to be desired, as many of the genera from the family Cambaridae clearly do not form monophyletic groups (Breinholt et al., 2009; Crandall & Fitzpatrick, 1996). In addition to these adjustments with the extant taxa, there have also been recent additions at the family level (Taylor et al., 1999) and genus level (Martin et al., 2008) for fossil crayfish. Previous species counts (Crandall & Buhay, 2008) included the Starobogatov (1995) taxonomy and species counts as well as counts of subspecies. The species counts in the present catalogue do not include subspecies or the Starobogatov taxonomy and are therefore reduced from the previous counts (but they do include new species and fossil species published through 31 July 2009).

Glypheida. We follow the results of Dixon et al. (2003), Ahyong & O'Meally (2004) and Bracken et al. (2009) in giving infraordinal status to the glypheid lobsters. Further, as the analysis of Amati et al. (2004) demonstrated that the erymoids are the sister group to the glypheoids, the Erymoidea is treated herein as a superfamily within the Glypheida.

Axiidea and Gebiidea. Our classification of the decapods formerly treated as the infraorder Thalassinidea follows recently proposed revisions that have partitioned this paraphyletic group into two separate infraorders, which were originally proposed by de Saint Laurent (1979a, 1979b) as "sections," the Axiidea and Gebiidea, each with families as reflected in the listings that follow. As reviewed in the genetically-based revision by Robles et al. (2009), both morphological observations (Gurney, 1938, 1942; de Saint Laurent, 1979a; de Saint Laurent, 1979b; Sakai, 2004; Sakai & Sawada, 2005) and previous genetic studies (Tsang, Lin et al., 2008; Tsang, Ma et al., 2008) lend support to this arrangement. No genetic support can be found for retention of the former superfamilies Axiidea, Thalassinoidea and Callianassoidea as previously applied by Poore (1994) and Martin & Davis (2001). Within the Axiidea, the Thomassiidae and the Callianideidae do not appear to represent distinct families, and the formerly separated Eiconaxiidae and Calocarididae appear to be imbedded within the family Axiidae, no longer warranting separate family rank (Robles et al., 2009). However, for now, these four families continue to be included in our list. It should also be noted that many lower level taxonomic

revisions within these infraorders proposed by Sakai (1999, 2005, 2006) are not incorporated into this list, especially in cases of obvious errors or lack of adequate justification (see Dworschak, 2007; Poore, 2008a, 2008b).

Achelata. The infraorder Achelata was treated as Palinura in the Martin & Davis (2001) classification. However, following the removal of the polychelid lobsters to a separate infraorder (see Ahyong, 2009), we follow Scholtz & Richter (1995) in recognizing the remaining taxa as Achelata.

Anomura. For the Anomura we follow the seven superfamily scheme proposed by McLaughlin et al. (2007) in their extensive review of external morphological characters and their appraisal of overall anomuran phylogenetic relationships. At the same time, we acknowledge that there are conflicting studies on the classification within this group. It is noteworthy that although the extant Anomura currently include 17 families, 265 genera and about 2,470 species; approximately 54% of the genera and 43% of the species are paguroids.

The phylogenetic relationships of the Anomura historically have been the focus of intense debate, including disagreements over which taxa belong in this diverse infraorder and even what name is appropriate (Anomura or Anomala). McLaughlin & Holthuis (1985) reviewed historical aspects and concluded that the name Anomura MacLeay, 1838, should be used in preference to the older, but less frequently used, Anomala Latreille, 1816. Lemaitre & McLaughlin (2009) recently reviewed advances and conflicts over the last two decades; the studies reviewed by them include works based on molecular as well as morphological data that have continued to add controversy to concepts of anomuran phylogeny. Modern studies have been useful in contributing to deciphering anomuran relationships but also have limitations. Several phylogenetic studies based on molecular data, in particular, are contradictory. Ahyong, Schnabel et al.'s (2009) latest study, based on the largest molecular dataset used for the Anomura to date, acknowledges that a consensus on internal relationships is still far off and concludes that only three superfamilies, Aegloidea, Hippoidea and Lomisoidea, remain uncontroversial. Clearly, the Anomura remains today a source of much discord, and although there is now agreement on some major issues (below), hypotheses on anomuran phylogenetic relationships will undoubtedly remain contentious until morphological and molecular studies produce more harmonious results.

Lemaitre & McLaughlin (2009) provided some summary statements about our phylogenetic knowledge of anomurans: 1) based on morphological and molecular data, the Anomura and Brachyura both appear to be monophyletic sister clades (Ahyong & O'Meally, 2004; Ahyong, Schnabel et al., 2009; Dixon et al., 2003; Scholtz & Richter, 1995; Schram, 2001), the two jointly forming a clade referred to by some as the Meiura; 2) the

Thalassinidea are now consistently placed outside of the Anomura (see **Axiidea** and **Gebiidea** above); 3) the Lomisoidea is a monophyletic group, although there is uncertainty as to its sister group (e.g., McLaughlin et al., 2007); 4) the Hippoidea appears to be a monophyletic group, but this concept still needs rigorous phylogenetic testing; 5) there is conclusive evidence that the Aeglidae is outside the Galatheoidea, although it is unclear which is the sister group (e.g., Ahyong, Schnabel et al., 2009; McLaughlin et al., 2007; Morrison et al., 2002; Porter et al., 2005); 6) the families Galatheidae, Chirostylidae and Porcellanidae of the Galatheoidea still need rigorous phylogenetic testing to determine relationships among and within them, as does the Kiwaidae, a taxon originally placed in the Galatheoidea and then elevated to superfamily rank by McLaughlin et al. (2007) [although this elevation was not accepted by Baba et al. (2008) or by Ahyong, Schnabel et al. (2009)]; 7) the composition of the Paguroidea sensu lato has been revised recently based on extensive morphological and developmental evidence, and as a result the family Lithodidae was removed to its own superfamily (McLaughlin et al., 2007); however, Ahyong, Schnabel et al. (2009) found that move incompatible with results from their molecular analysis; 8) within the Paguroidea, Lemaitre et al. (2009) found that the monophly of the Pylochelidae is not clearly confirmed, providing support for a paraphyletic Pylochelidae as originally proposed by Richter & Scholtz (1994) (see also Lemaitre & McLaughlin, 2009; McLaughlin & Lemaitre, 2009), although molecular studies are needed to explore the possible polyphyly of this family suggested by larval data, and other families still need to be fully analyzed.

Brachyura. For the Brachyura (true crabs), an enormous and historically difficult group of decapods, we have followed the recent and comprehensive catalogue of all extant families, genera and species of crabs of the world by Ng et al. (2008), with a few notable exceptions.

The most important exception, perhaps, is that the Ng et al. (2008) catalogue provisionally recognized the Podotremata, a category that contains several groups of presumed "primitive" crabs, although Ng et al. (2008) are also careful to discuss the various lines of evidence (morphological and molecular) for and against its recognition (see also Ahyong et al., 2007; Scholtz & McLay, 2009; Tavares, 2003). The Martin & Davis (2001) classification, on which much of the current catalogue is based, did not recognize the Podotremata, instead treating some of these same families as a "Section Dromiacea" (which did not, however, include the Raninoidea or Cyclodorippoidea). Recent morphological (Scholtz & McLay, 2009) and molecular (Ahyong et al., 2007) evidence also suggests the artificiality of the Podotremata; Ahyong et al. (2007) proposed that the Dromiacea, Raninoida and Cyclodorippoida be treated as separate brachyuran lineages that are equal in weight to the much larger Eubrachyura (see discussions in Ahyong et al., 2007; Ng et al., 2008; Scholtz & McLay, 2009). The

Ahyong et al. (2007) work seems to us the strongest evidence to date on the relationships of the primitive crab families, and we have followed their suggestion in recognizing the Dromiacea, Raninoida, and Cyclodorippoida, and not the Podotremata.

The Ng et al. (2008) catalogue also differs from the Martin & Davis (2001) list in recognizing subfamilies (in part following Davie's (2002) extremely useful catalogue of Australian crabs and Ng & Davie's (2002) list of crabs from Phuket and western Thailand), and by including all known species. This addition makes it a very useful compendium, and we have followed the Ng et al. (2008) catalogue, rather than the Martin & Davis (2001) classification, in our treatment of nearly all families and subfamilies and their included genera.

The current list also differs from the Ng et al. (2008) catalogue in the inclusion of fossil taxa. Although all named fossil taxa are now included, not all recently proposed arrangements within families based on fossil taxa have been incorporated [see e.g. revisions of the Xanthoidea by Karasawa & Schweitzer (2006) and of the Carcineretidae by Schweitzer et al. (2007)]. On the whole, we have attempted to place the fossil taxa within a framework based on living taxa, with one exception. For the Portunoidea we do not follow the primarily fossil-based Karasawa et al. (2008) classification (with some minor exceptions). However, a recent preliminary analysis by Schubart & Reuschel (2009) suggests that an extensive rearrangement of portunoid families will be required. And indeed, following Schubart & Reuschel (2009), we are now treating the families Pirimelidae and Thiidae as members of the Portunoidea. As an example of a widely divergent placement between classifications based on extant taxa and those used by fossil workers, the family Mathildellidae could be cited. Although treated as a family of the Portunoidea by Karasawa et al. (2008) on mostly fossil evidence, the Mathildellidae is retained here in the Gonoplacoidea following Ng et al. (2008).

In part because of consideration of fossil taxa, we also have not used the suggested subfamilies of the family Dynomenidae as employed by Guinot (2008). We felt that the addition of these subfamilies would result in too large a number of unplaced fossil genera. The pending list of fossil decapods [Schweitzer et al., 2009 (in press)] also does not use these suggested dynomenid subfamilies. For the freshwater crabs, we have combined the genera formerly in the family Parathelphusidae (e.g. in Ng et al., 2008) with those in the Gecarcinucidae, resulting in a single family (Gecarcinucidae) in the superfamily Gecarcinucoidea, following the suggestion of Klaus et al. (2009), who found no support for recognizing both families. However, with regard to the suggestion by Klaus et al. (2009) that the Old World freshwater crabs should perhaps be combined in one superfamily, we defer from doing so until more evidence surfaces (see also Cumberlidge & Ng, 2009).

There is still debate among systematists as to the recognition, limits and constituencies of some of the proposed higher crab taxa, such as the Podotremata (noted above), Eubrachyura, Heterotremata and Thoracotremata. The use of superfamilies has also been questioned recently, at least for "grapsoid" families (see Schubart et al., 2006). We have maintained these superfamily groupings and higher taxa (other than Podotremata) for now in keeping with our decision to follow the classifications used by Martin & Davis (2001) and Ng et al. (2008). For most of the higher level taxa (families and their organization into superfamilies and sections), see discussions in Martin & Davis (2001), Davie (2002), McLaughlin et al. (2005), Ahyong et al. (2007), and Ng et al. (2008).

We refer readers to the Ng et al. (2008) paper for a large number of synonymies, assigned authors, dates of publications and discussions of questionable taxa in the Brachyura. Also discussed at various points by Ng et al. (2008) are recent changes suggested by Števčić (2005), who proposed a number of new taxa and proposed increasing the number of recognized superfamilies to 48 [up from 25 in Martin & Davis (2001) and 37 in Ng et al. (2008)]. One of our goals in assembling the current list is to establish a general framework that can then be tested using a combination of molecular, morphological, and paleontological characters. Števčić's proposed classification gives us another alternative that we will be testing in the years ahead, along with the arrangements proposed by Martin & Davis (2001), Ng et al. (2008), and others.

THE PLACEMENT OF FOSSIL TAXA

Our classification draws heavily on the work Schweitzer et al. [Schweitzer et al., 2009 (in press)] for the placement of fossil taxa, but it differs in some respects. We have relied more heavily on classifications based on extant taxa and in many cases have "shoe-horned" fossil taxa into this classification. For those forms, primarily Cenozoic in age, that exhibit very close morphological affinities with extant forms, the placement of fossil taxa has been a straightforward exercise. However, many ancient decapods are morphologically quite dissimilar from known modern animals, and therefore they pose special problems in classification. Modern classifications of Decapoda are largely based upon characters of the anatomy that only rarely are preserved in the fossil record, such as the maxillipeds and the reproductive structures. Therefore, paleontologists find it necessary to employ morphological features that are preserved on fossils and relate those attributes to comparable features on extant forms. These so-called proxy characters (Schweitzer, 2003), although not without problems (see Ng et al., 2008), often provide a bridge that permits fossil taxa to be placed within classification schemes developed solely for extant forms (Feldmann, 2003; Feldmann & Schweitzer, 2000).

An additional challenge in working with extinct taxa is the placement of families known only from the fossil record into a classification that may be based in part on genetic work (e.g. Martin & Davis, 2001; Ng et al., 2008). Re-examination of Glaessner's (1969) classification in the light of recent fossil discoveries, and the detailed study of suprageneric groups of fossil and extant decapods, has resulted in some important reassessments [see Schweitzer et al., 2009 (in press)].

Without doubt, substantial changes, particularly within the fossil shrimp taxa, will continue for years to come. For many of these groups, attempts to employ molecular analyses in combination with morphological analyses of fossil and extant decapods are still few and far between.

Entry into the general field of paleontological literature is facilitated by two landmark publications that should be acknowledged. Glaessner (1929) provided a nearly comprehensive compilation of species known from the fossil record up to that date in the decapod volume of *Fossilium Catalogus*. This monumental work provides an excellent entry into early literature and a platform from which one can apply more recent systematic work. Forty years later, Glaessner (1969) published the decapod volume of the *Treatise on Invertebrate Paleontology*, in which he revised the classification of fossil decapods and added taxa not listed in *Fossilium Catalogus*. However, no attempt was made to provide a comprehensive list of species in the *Treatise*, and a vast literature has grown since 1969. Although these compilations are extremely useful, more than 400 references to fossil occurrences, spanning the time from the 18th Century to the present, were employed in preparing the current list.

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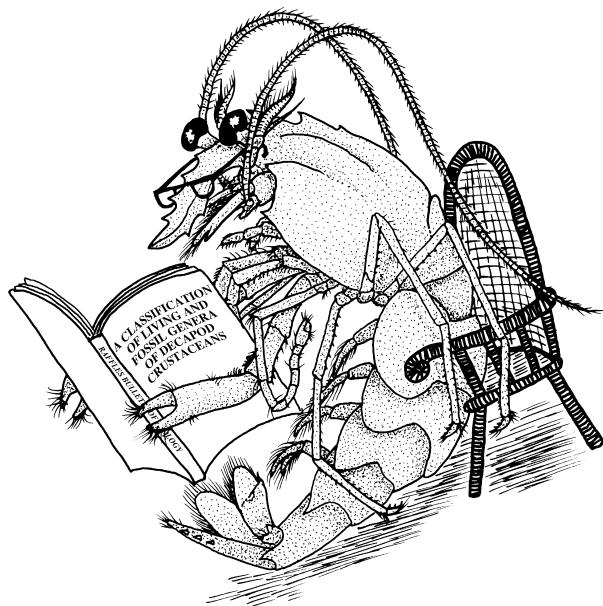
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THE GENERA OF THE DECAPODA**ORDER DECAPODA †**

Latreille, 1802

SUBORDER DENDROBRANCHIATA †

Bate, 1888

SUPERFAMILY PENAEOIDEA † Rafinesque, 1815
(428, 0, 96)

Family Aegeridae † Burkenroad, 1963 (25)
Acanthochirana †† Strand, 1928 (5)
Aeger †† Münster, 1839 (20)

Family Aristeidae † Wood-Mason & Alcock, 1891
[in Wood-Mason & Alcock, 1891–1893] (27, 0, 1)
Aristaeomorpha Wood-Mason & Alcock, 1891
[in Wood-Mason & Alcock, 1891–1893] (2)
Aristeus Duvernoy, 1840 (9)
Archeosolenocera †† Carriol & Riou, 1991 (1)
Aristaeopsis Wood-Mason & Alcock, 1891
[in Wood-Mason & Alcock, 1891–1893] (1)
Austropenaeus Pérez Farfante & Kensley, 1997 (1)
Hemipenaeus Bate, 1881 (2)
Hepomadus Bate, 1881 (3)
Parahepomadus Crosnier, 1978 (1)
Plesiopenaeus Bate, 1881 (2)
Pseudaristeus Crosnier, 1978 (6)

Family Benthesicymidae † Wood-Mason & Alcock, 1891
[in Wood-Mason & Alcock, 1891–1893] (42, 0, 1)
Altelatipes Crosnier & Vereshchaka, 2008 (3)
Bentheogenennema Burkenroad, 1936 (5)
Benthesicymus † Bate, 1881 (16, 0, 1)
Benthonectes Smith, 1885c (1)
Gennadas Bate, 1881 (17)

Family Carpopenaeidae †† Garassino, 1994 (3)
Carpopenaeus †† Glaessner, 1946 (3)

Family Penaeidae † Rafinesque, 1815 (221, 0, 65)
Albertopelia †† Schweigert & Garassino, 2004 (1)
Ambilobea †† Garassino & Pasini, 2002 (1)
Antrimpos †† Münster, 1839 (15)
Artemesia Bate, 1888 (1)
Atypopenaeus Alcock, 1905a (5)
Bombur †† Münster, 1839 (2)
Bylgia †† Münster, 1839 (4)
Carinacaris †† Garassino, 1994 (1)
Cretapenaeus †† Garassino, Pasini & Dutheil, 2006 (1)
Drobna †† Münster, 1839 (1)
Dusa †† Münster, 1839 (5)
Farfantepenaeus Burukovsky, 1997 (8)
Fenneropenaeus Pérez Farfante, 1969 (6)
Funchalia Johnson, 1868 (6)
Hakelocaris †† Garassino, 1994 (1)
Heteropenaeus De Man, 1896a (1)
Ifasya †† Garassino & Teruzzi, 1995 (2)

Koelga †† Münster, 1839 (2)
Libanocaris †† Garassino, 1994 (1)
Litopenaeus Pérez Farfante, 1969 (5)
Longichela †† Garassino & Teruzzi, 1993 (1)
Longitergite †† Garassino & Teruzzi, 1996 (1)
Macropenaeus †† Garassino, 1994 (1)
Macropetasma Stebbing, 1914 (1)
Marsupenaeus Tirmizi, 1971 (1)
Megokris Pérez Farfante & Kensley, 1997 (9)
Melicertus Rafinesque, 1814 (8)
Metapenaeopsis Bouvier, 1905 (74)
Metapenaeus Wood-Mason & Alcock, 1891
[in Wood-Mason & Alcock, 1891–1893] (28)
Microchela †† Garassino, 1994 (1)
Micropenaeus †† Bravi & Garassino, 1998a (1)
Parapenaeopsis Alcock, 1901 (22)
Parapenaeus Smith, 1885b (14)
Pelagopenaeus Pérez Farfante & Kensley, 1997 (1)
Penaeopsis Bate, 1881 (7)
Penaeus † Fabricius, 1798 (3, 0, 18)
Protrachypene Burkenroad, 1934 (1)
Pseudobombur †† Secretan, 1975 (1)
Pseudodusda †† Schweigert & Garassino, 2004 (1)
Rauna †† Münster, 1839 (1)
Rhodanicaris †† Van Straelen, 1924 (1)
Rimapenaeus Pérez Farfante & Kensley, 1997 (4)
Satyrocaris †† Garassino & Teruzzi, 1993 (1)
Tanypenaeus Pérez Farfante, 1972 (1)
Trachypenaeopsis Burkenroad, 1934 (3)
Trachypenaeus Alcock, 1901 (2)
Trachysalambria Burkenroad, 1934 (9)
Xiphopenaeus Smith, 1869b (1)

Family Sicyoniidae † Ortmann, 1898 (52, 0, 1)
Sicyonia † H. Milne Edwards, 1830a (52, 0, 1)

Family Solenoceridae Wood-Mason & Alcock, 1891
[in Wood-Mason & Alcock, 1891–1893] (86)
Cryptopenaeus de Freitas, 1979 (5)
Gordonella Tirmizi, 1960 (3)
Hadropenaeus Pérez Farfante, 1977 (4)
Haliporoides Stebbing, 1914 (4)
Haliporus Bate, 1881 (3)
Hymenopenaeus Smith, 1882 (17)
Mesopenaeus Pérez Farfante, 1977 (3)
Pleoticus Bate, 1888 (3)
Solenocera Lucas, 1849 (44)

SUPERFAMILY SERGESTOIDEA † Dana, 1852a (112, 0, 2)

Family Luciferidae De Haan, 1849
[in De Haan, 1833–1850] (8)
Lucifer Thompson, 1829 (8)

Family Sergestidae † Dana, 1852a (104, 0, 2)
Acetes H. Milne Edwards, 1830a (14)
Allosergestes Judkins & Kensley, 2008 (6)
Cretasergestes †† Garassino & Schweigert, 2006 (1)

<i>Deosergestes</i> Judkins & Kensley, 2008	(11)	SUPERFAMILY GALATHEACARIDOIDEA	
<i>Eusergestes</i> Judkins & Kensley, 2008	(2)	Vereshchaka, 1997a	(1)
<i>Neosergestes</i> Judkins & Kensley, 2008	(8)		
<i>Paleomattea</i> †† Maisey & G. P. de Carvalho, 1995	(1)	Family Galatheacarididae Vereshchaka, 1997a	(1)
<i>Parasergestes</i> Judkins & Kensley, 2008	(6)	<i>Galatheacaris</i> Vereshchaka, 1997a	(1)
<i>Peisos</i> Burkenroad, 1945	(1)		
<i>Petalidium</i> Bate, 1881	(3)	SUPERFAMILY PASIPHAEOIDEA † Dana, 1852a	
<i>Sergestes</i> H. Milne Edwards, 1830a	(10)	(92, 0, 1)	
<i>Sergia</i> Stimpson, 1860c	(40)		
<i>Sicyonella</i> Borradaile, 1910	(3)	Family Pasiphaeidae † Dana, 1852a	(92, 0, 1)
		<i>Alainopasiphaea</i> Hayashi, 1999	(2)
		<i>Eupasiphae</i> Wood-Mason, 1893	
		[in Wood-Mason & Alcock, 1891–1893]	(4)
		<i>Glyphus</i> Filhol, 1884	(1)
		<i>Leptochela</i> Stimpson, 1860c	(15)
		<i>Parapasiphae</i> Smith, 1884	(4)
		<i>Pasiphaea</i> † Savigny, 1816	(61, 0, 1)
		<i>Psathyrocaris</i> Wood-Mason, 1893	
		[in Wood-Mason & Alcock, 1891–1893]	(5)
		SUPERFAMILY OPLOPHOROIDEA † Dana, 1852a	
		(70, 0, 6)	
		Family Oplophoridae † Dana, 1852a	(70, 0, 6)
		<i>Acanthephyra</i> A. Milne-Edwards, 1881b	(27)
		<i>Ephyrina</i> Smith, 1885c	(6)
		<i>Heterogenys</i> Chace, 1986	(2)
		<i>Hymenodora</i> Sars, 1877	(4)
		<i>Janicella</i> Chace, 1986	(1)
		<i>Kemphyra</i> Chace, 1986	(1)
		<i>Meningodora</i> Smith, 1882	(6)
		<i>Notostomus</i> † A. Milne-Edwards, 1881b	(9, 0, 1)
		<i>Odontochelion</i> †† Garassino, 1994	(1)
		<i>Oplophorus</i> † H. Milne Edwards, 1837	
		[in H. Milne Edwards, 1834–1840]	(4, 0, 3)
		<i>Systellaspis</i> Bate, 1888	(10)
		<i>Tonellocaris</i> †† Garassino, 1998	(1)
		SUPERFAMILY ATYOIDEA † De Haan, 1849	
		[in De Haan, 1833–1850]	(449, 0, 3)
		Family Atyidae † De Haan, 1849	
		[in De Haan, 1833–1850]	(449, 0, 3)
		<i>Antecaridina</i> Edmondson, 1954	(1)
		<i>Archaeatya</i> Villalobos, 1959	(1)
		<i>Atya</i> Leach, 1816b	(13)
		<i>Atyaephyra</i> de Brito Capello, 1867	(3)
		<i>Atyella</i> Calman, 1906b	(2)
		<i>Atyoida</i> Randall, 1840	(3)
		<i>Atyopsis</i> Chace, 1983	(2)
		<i>Australatya</i> Chace, 1983	(1)
		<i>Caridella</i> Calman, 1906b	(3)
		<i>Caridina</i> † H. Milne Edwards, 1837	
		[in H. Milne Edwards, 1834–1840]	(279, 0, 1)
		<i>Caridinides</i> Calman, 1926	(1)
		<i>Caridinopsis</i> Bouvier, 1912b	(1)
		SUPERFAMILY PLEOPTERYXOIDEA ††	
		<i>Schweigert</i> & Garassino, 2006	
		Family Pleopteryxidae ††	
		<i>Schweigert</i> & Garassino, 2006	
		<i>Pleopteryx</i> †† Schweigert & Garassino, 2004	
		SUPERFAMILY PROCARIDOIDEA †	
		<i>Chace</i> & Manning, 1972	
		Family Procarididae Chace & Manning, 1972	
		<i>Procaris</i> Chace & Manning, 1972	
		<i>Vetericaris</i> Kensley & Williams, 1986	
		Unplaced at family level ††	
		<i>Udora</i> †† Münster, 1839	

<i>Delclosia</i> †† Rabadà, 1993	(2)	SUPERFAMILY NEMATOCARCINOIDEA	
<i>Dugastella</i> Bouvier, 1912a	(2)	Smith, 1884	(75)
<i>Edoneus</i> Holthuis, 1978	(4)		
<i>Gallocaris</i> Sket & Zakšek, 2009	(1)		
<i>Halocaridina</i> Holthuis, 1963	(2)	Family Eugonatonotidae Chace, 1937a	(2)
<i>Halocaridinides</i> Fujino & Shokita, 1975	(2)	<i>Eugonatonotus</i> Schmitt, 1926	(2)
<i>Jolivetya</i> Cals, 1986	(1)		
<i>Jonga</i> Hart, 1961	(1)	Family Nematocarcinidae Smith, 1884	(46)
<i>Lancaris</i> Cai & Bahir, 2005	(2)	<i>Lenzicarcinus</i> Burukovsky, 2005	(1)
<i>Limnocaridella</i> Bouvier, 1913	(1)	<i>Lipkius</i> Yaldwyn, 1960	(1)
<i>Limnocaridina</i> Calman, 1899b	(8)	<i>Nematocarcinus</i> A. Milne-Edwards, 1881b	(43)
<i>Mancicaris</i> Liang, Z. L. Guo & Tang, 1999	(1)	<i>Nigmatullinus</i> Burukovsky, 1991	(1)
<i>Marosina</i> Cai & Ng, 2005	(2)		
<i>Micratya</i> Bouvier, 1913	(1)		
<i>Neocaridina</i> Kubo, 1938	(23)	Family Rhynchocinetidae Ortmann, 1890	(25)
<i>Palaemonias</i> Hay, 1902	(2)	<i>Cinetorhynchus</i> Holthuis, 1995	(11)
<i>Paracaridina</i> Liang, Z. L. Guo & Tang, 1999	(5)	<i>Rhynchocinetes</i> H. Milne Edwards, 1837	
<i>Paratya</i> Miers, 1882	(15)	[in H. Milne Edwards, 1834–1840]	(14)
<i>Parisia</i> Holthuis, 1956	(8)		
<i>Potimirim</i> Holthuis, 1954	(4)	Family Xiphocarididae Ortmann, 1895	(2)
<i>Puteonator</i> Gurney, 1987	(1)	<i>Xiphocaris</i> von Martens, 1872	(2)
<i>Pycneus</i> Holthuis, 1986	(1)		
<i>Pycnisia</i> Bruce, 1992b	(2)	SUPERFAMILY PSALIDOPODOIDEA Wood-Mason, 1892 [in Wood-Mason & Alcock, 1891–1893]	(3)
<i>Sinodina</i> Liang & Cai, 1999	(12)	Family Psalidopodidae Wood-Mason, 1892 [in Wood-Mason & Alcock, 1891–1893]	(3)
<i>Stygiocaris</i> Holthuis, 1960b	(2)	<i>Psalidopus</i> Wood-Mason, 1892 [in Wood-Mason & Alcock, 1891–1893]	(3)
<i>Syncaris</i> Holmes, 1900	(2)		
<i>Troglocaris</i> Dormitzer, 1853	(13)	SUPERFAMILY STYLODACTYLOIDEA Bate, 1888	
<i>Typhlatya</i> Creaser, 1936	(17)		(33)
<i>Typhlocaridina</i> Liang & Yan, 1981	(3)		
<i>Typhlopatsa</i> Holthuis, 1956	(1)		
SUPERFAMILY BRESILIOIDEA † Calman, 1896		Family Stylodactylidae Bate, 1888	(33)
	(48, 0, 2)	<i>Bathysty whole</i> Hanamura & Takeda, 1996	(3)
Family Agostocarididae Hart & Manning, 1986	(3)	<i>Neosty whole</i> Hayashi & Miyake, 1968	(6)
<i>Agostocaris</i> Hart & Manning, 1986	(3)	<i>Parasty whole</i> Figueira, 1971	(6)
Family Alvinocarididae † Christoffersen, 1986	(23, 0, 2)	<i>Sty whole</i> Cleva, 1990	(1)
<i>Alvinocaris</i> Williams & Chace, 1982	(12)	<i>Sty whole</i> A. Milne-Edwards, 1881b	(17)
<i>Chorocaris</i> J. W. Martin & Hessler, 1990	(3)		
<i>Harthofia</i> †† Polz, 2007	(2)	SUPERFAMILY CAMPYLONOTOIDEA Sollaard, 1913	
<i>Mirocaris</i> Vereshchaka, 1997b	(2)		(16)
<i>Nautilocaris</i> Komai & Segonzac, 2004	(1)		
<i>Opaopele</i> Williams & Dobbs, 1995	(2)	Family Bathypalaemonellidae de Saint Laurent, 1985	(11)
<i>Rimicaris</i> Williams & Rona, 1986	(2)	<i>Bathypalaemonella</i> Balss, 1914b	(8)
<i>Shinkaicaris</i> Komai & Segonzac, 2005	(1)	<i>Bathypalaemonetes</i> Cleva, 2001	(3)
Family Bresiliidae Calman, 1896	(7)	Family Campylonotidae Sollaard, 1913	(5)
<i>Bresilia</i> Calman, 1896	(6)	<i>Campylonotus</i> Bate, 1888	(5)
<i>Encantada</i> Wicksten, 1989	(1)		
Family Disciadidae Rathbun, 1902	(12)	SUPERFAMILY PALAEMONOIDEA † Rafinesque, 1815	(971, 0, 20)
<i>Discias</i> Rathbun, 1902	(8)		
<i>Kirnasia</i> Burukovsky, 1988	(2)	Family Anchistiooididae Borradaile, 1915	(4)
<i>Lucaya</i> Chace, 1939	(1)	<i>Anchistiooides</i> Paul'son, 1875	(4)
<i>Tridiscias</i> Kensley, 1983	(1)		
Family Pseudochelidae De Grave & Moosa, 2004	(3)	Family Desmocarididae Borradaile, 1915	(2)
<i>Pseudochelus</i> Chace & Brown, 1978	(3)	<i>Desmocaris</i> Sollaard, 1911a	(2)
		Family Euryrhynchidae Holthuis, 1950	(7)
		<i>Euryrhynchina</i> Powell, 1976	(1)

<i>Euryrhynchoides</i> Powell, 1976	(1)	<i>Balssia</i> Kemp, 1922	(3)
<i>Euryrhynchus</i> Miers, 1877a	(5)	<i>Blepharocaris</i> Mitsuhashi & Chan, 2007	(1)
Family Gnathophyllidae Dana, 1852a	(14)	<i>Brucecaris</i> Marin & Chan, 2006	(1)
<i>Gnathophylleptum</i> d'Udekem d'Acoz, 2001	(1)	<i>Bruceonia</i> Fransen, 2002	(1)
<i>Gnathophylloides</i> Schmitt, 1933	(2)	<i>Cainonia</i> Bruce, 2005b	(1)
<i>Gnathophyllum</i> Latreille, 1819	(9)	<i>Carinopontonia</i> Bruce, 1988e	(1)
<i>Levicaris</i> Bruce, 1973a	(1)	<i>Chacella</i> Bruce, 1986a	(1)
<i>Pycnocaris</i> Bruce, 1972b	(1)	<i>Chernocaris</i> Johnson, 1967	(1)
Family Hymenoceridae Ortmann, 1890	(3)	<i>Climeniperaeus</i> Bruce, 1995	(1)
<i>Hymenocera</i> Latreille, 1819	(1)	<i>Colemonia</i> Bruce, 2005b	(1)
<i>Phyllognathia</i> Borradaile, 1915	(2)	<i>Conchodytes</i> Peters, 1852	(9)
Family Kakaducarididae Bruce, 1993	(3)	<i>Coralliocaris</i> Stimpson, 1860c	(11)
<i>Calathaemon</i> Bruce & Short, 1993	(1)	<i>Coutierea</i> Nobili, 1901	(1)
<i>Kakaducaris</i> Bruce, 1993	(1)	<i>Crinotonia</i> Marin, 2006	(2)
<i>Leptopalaemon</i> Bruce & Short, 1993	(1)	<i>Ctenopontonia</i> Bruce, 1979	(1)
Family Palaemonidae † Rafinesque, 1815	(934, 0, 20)	<i>Cuapetes</i> A. H. Clark, 1919	(25)
Subfamily Palaemoninae † Rafinesque, 1815	(372, 0, 20)	<i>Dactylonia</i> Fransen, 2002	(8)
<i>Alburnia</i> †† Bravi & Garassino, 1998b	(1)	<i>Dasella</i> Lebour, 1945	(3)
<i>Bechleja</i> †† Houša, 1957	(4)	<i>Dasykaris</i> Kemp, 1922	(4)
<i>Beurlenia</i> †† Martins-Neto & Mezzalira, 1991a	(1)	<i>Diapontonia</i> Bruce, 1986b	(1)
<i>Brachycarpus</i> Bate, 1888	(3)	<i>Epipontonia</i> Bruce, 1977	(4)
<i>Coutierella</i> Sollaard, 1914	(2)	<i>Eupontonia</i> Bruce, 1971	(1)
<i>Creaseria</i> Holthuis, 1950	(1)	<i>Exoclimenella</i> Bruce, 1995	(4)
<i>Cryphiops</i> Dana, 1852a	(5)	<i>Expontonia</i> Bruce, 1988c	(1)
<i>Exopalaemon</i> Holthuis, 1950	(10)	<i>Fennera</i> Holthuis, 1951	(1)
<i>Leander</i> E. Desmarest, 1849	(5)	<i>Hamiger</i> Borradaile, 1916	(1)
<i>Leandrites</i> Holthuis, 1950	(4)	<i>Hamodactyloides</i> Fujino, 1973	(2)
<i>Leptocarpus</i> Holthuis, 1950	(3)	<i>Hamodactylus</i> Holthuis, 1952b	(3)
<i>Macrobrachium</i> Bate, 1868	(239)	<i>Hamopontonia</i> Bruce, 1970	(2)
<i>Micropsalis</i> †† von Meyer, 1859	(1)	<i>Harpiliopsis</i> Borradaile, 1917	(3)
<i>Nematopalaemon</i> Holthuis, 1950	(5)	<i>Harpilius</i> Dana, 1852a	(4)
<i>Neopalaemon</i> Hobbs, 1973	(1)	<i>Ischnopontonia</i> Bruce, 1966	(1)
<i>Palaemon</i> † Weber, 1795	(42, 0, 6)	<i>Isopontonia</i> Bruce, 1982b	(1)
<i>Palaemonetes</i> Heller, 1869	(31)	<i>Izucaris</i> Okuno, 1999	(2)
<i>Propalaemon</i> †† Woodward, 1903	(3)	<i>Jocaste</i> Holthuis, 1952b	(3)
<i>Pseudocardinella</i> †† Martins-Neto & Mezzalira, 1991b	(2)	<i>Laomenes</i> A. H. Clark, 1919	(8)
<i>Pseudopalaemon</i> Sollaard, 1911b	(7)	<i>Leptomenaeus</i> Bruce, 2007b	(2)
<i>Schmelingia</i> †† Schweigert, 2002	(1)	<i>Lipkebe</i> Chace, 1969	(1)
<i>Troglindicus</i> Sankolli & Shenoy, 1979	(1)	<i>Manipontonia</i> Bruce, Okuno & Li, 2005	(1)
<i>Troglocubanus</i> Holthuis, 1949	(5)	<i>Margitonia</i> Bruce, 2007a	(1)
<i>Troglomexicanus</i> Villalobos, Alvarez & Iliffe, 1999	(3)	<i>Mesopontonia</i> Bruce, 1967	(6)
<i>Urocaridella</i> Borradaile, 1915	(5)	<i>Metapontonia</i> Bruce, 1967	(1)
<i>Yongjiacaris</i> †† Garassino, Shen, Schram & Taylor, 2002	(1)	<i>Miopontonia</i> Bruce, 1985b	(1)
Subfamily Pontoniinae Kingsley, 1879a	(562)	<i>Neoanchistus</i> Bruce, 1975b	(2)
<i>Allopontonia</i> Bruce, 1972a	(1)	<i>Neopericlimenes</i> Heard, Spotte & Bubucis, 1993	(1)
<i>Altopontonia</i> Bruce, 1990b	(1)	<i>Neopontonides</i> Holthuis, 1951	(4)
<i>Amphipontonia</i> Bruce, 1991a	(1)	<i>Nippontonia</i> Bruce & Bauer, 1997	(1)
<i>Anapontonia</i> Bruce, 1966	(1)	<i>Notopontonia</i> Bruce, 1991b	(1)
<i>Anchiopontonia</i> Bruce, 1992a	(1)	<i>Odontonia</i> Fransen, 2002	(7)
<i>Anchistus</i> Borradaile, 1898	(7)	<i>Onycocaridella</i> Bruce, 1981	(3)
<i>Apopontonia</i> Bruce, 1976	(1)	<i>Onycocaridites</i> Bruce, 1987	(1)
<i>Araiopontonia</i> Fujino & Miyake, 1970	(1)	<i>Onycocaris</i> Nobili, 1904	(15)
<i>Ascidonia</i> Fransen, 2002	(5)	<i>Onycomenes</i> Bruce, 2009	(1)

<i>Patonia</i>	Mitsuhashi & Chan, 2006	(1)	<i>Betaeopsis</i>	Yaldwyn, 1971	(3)
<i>Periclimenaeus</i>	Borradaile, 1915	(69)	<i>Betaeus</i>	Dana, 1852a	(15)
<i>Periclimenella</i>	Bruce, 1995	(2)	<i>Coronalpheus</i>	Wicksten, 1999	(1)
<i>Periclimenes</i>	Costa, 1844	(173)	<i>Coutieralpheus</i>	Anker & Felder, 2005	(1)
<i>Periclimenoides</i>	Bruce, 1990a	(2)	<i>Deioneus</i>	Dworschak, Anker & Abed-Navandi, 2000	(1)
<i>Philarius</i>	Holthuis, 1952b	(3)	<i>Fenneralpheus</i>	Felder & Manning, 1986	(1)
<i>Phycomenes</i>	Bruce, 2008b	(1)	<i>Harperialpheus</i>	Felder & Anker, 2007	(1)
<i>Platycaris</i>	Holthuis, 1952b	(1)	<i>Jengalpheops</i>	Anker & Dworschak, 2007	(1)
<i>Platypontonia</i>	Bruce, 1968	(2)	<i>Leptalpheus</i>	Williams, 1965	(8)
<i>Plesiopontonia</i>	Bruce, 1985a	(1)	<i>Leptathanas</i>	De Grave & Anker, 2008	(1)
<i>Pliopontonia</i>	Bruce, 1973c	(2)	<i>Leslibetaeus</i>		
<i>Pontonia</i>	Latreille, 1829	(10)		Anker, Poddoubtchenko & Wehrtmann, 2006	(1)
<i>Pontonides</i>	Borradaile, 1917	(7)	<i>Metabetaeus</i>	Borradaile, 1899	(2)
<i>Pontoniopsis</i>	Bruce, 2005a	(1)	<i>Metalpheus</i>	Coutière, 1908	(4)
<i>Pontoniopsis</i>	Borradaile, 1915	(1)	<i>Mohocaris</i>	Holthuis, 1973a	(1)
<i>Poripontonia</i>	Fransen, 2003	(2)	<i>Nennalpheus</i>	Banner & Banner, 1981	(2)
<i>Propontonia</i>	Bruce, 1969	(1)	<i>Notalpheus</i>	Méndez G. & Wicksten, 1982	(1)
<i>Pseudoclimenes</i>	Bruce, 2008a	(1)	<i>Orygmalpheus</i>	De Grave & Anker, 2000	(1)
<i>Pseudocoutierea</i>	Holthuis, 1951	(6)	<i>Parabetaeus</i>	Coutière, 1896	(4)
<i>Pseudopontonia</i>	Bruce, 1992a	(1)	<i>Pomagnathus</i>	Chace, 1937b	(1)
<i>Pseudopontonides</i>	Heard, 1986	(1)	<i>Potamalpheops</i>	Powell, 1979	(13)
<i>Pseudoveleronia</i>	Marin, 2008	(1)	<i>Prionalpheus</i>	Banner & Banner, 1960	(7)
<i>Rapipontonia</i>	Marin, 2007	(3)	<i>Pseudalpheopsis</i>	Anker, 2007	(1)
<i>Rostronia</i>	Fransen, 2002	(1)	<i>Pseudodathanas</i>	Bruce, 1983b	(1)
<i>Sandimenes</i>	Li, 2009	(1)	<i>Pterocaris</i>	Heller, 1862a	(1)
<i>Sandyella</i>	Marin, 2009	(2)	<i>Racilius</i>	Paul'son, 1875	(1)
<i>Stegopontonia</i>	Nobili, 1906	(1)	<i>Richalpheus</i>	Anker & Jeng, 2006	(2)
<i>Tectopontonia</i>	Bruce, 1973b	(1)	<i>Rugathanas</i>	Anker & Jeng, 2007	(2)
<i>Thaumastocaris</i>	Kemp, 1922	(1)	<i>Salmoneus</i>	Holthuis, 1955	(34)
<i>Tuleariocaris</i>	Hipeau-Jacquotte, 1965	(4)	<i>Stenalpheops</i>	Miya, 1997	(2)
<i>Typton</i>	Costa, 1844	(17)	<i>Synalpheus</i>	Bate, 1888	(146)
<i>Typtonychus</i>	Bruce, 1996	(4)	<i>Thuylamea</i>	Nguyêñ, 2001	(1)
<i>Unguicaris</i>	Marin & Chan, 2006	(4)	<i>Vexillipar</i>	Chace, 1988	(1)
<i>Urocaris</i>	Stimpson, 1860c	(1)	<i>Yagerocaris</i>	Kensley, 1988	(1)
<i>Veleronia</i>	Holthuis, 1951	(2)			
<i>Veleroniopsis</i>	Gore, 1981	(1)			
<i>Vir</i>	Holthuis, 1952b	(6)			
<i>Waldola</i>	Holthuis, 1951	(1)			
<i>Yemenicaris</i>	Bruce, 1997	(1)			
<i>Zenopontonia</i>	Bruce, 1975a	(1)			
Family Typhlocarididae	Annandale & Kemp, 1913	(4)	Family Barbouriidae	Christoffersen, 1987	(8)
<i>Typhlocaris</i>	Calman, 1909a	(4)	<i>Barbouria</i>	Rathbun, 1912	(2)
			<i>Janicea</i>	Manning & Hart, 1984	(1)
			<i>Parhippolyte</i>	Borradaile, 1900b	(5)
			Family Hippolytidae	Bate, 1888	(318)
			<i>Alope</i>	White, 1847b	(2)
			<i>Bathyhippolyte</i>	Hayashi & Miyake, 1970	(1)
			<i>Birulia</i>	Bražnikov, 1903	(2)
			<i>Bythocarides</i>	Sokolov, 2002	(1)
			<i>Bythocaris</i>	Sars, 1870	(17)
			<i>Calliasmata</i>	Holthuis, 1973b	(3)
			<i>Caridion</i>	Goës, 1864	(2)
			<i>Chorismus</i>	Bate, 1888	(2)
			<i>Cryptocheles</i>	Sars, 1870	(1)
			<i>Eualus</i>	Thallwitz, 1892	(37)
			<i>Eumanningia</i>	Crosnier, 2000	(1)
			<i>Exhippolysmata</i>	Stebbing, 1915	(4)
			<i>Gelastocaris</i>	Kemp, 1914	(1)
			<i>Gelastreutes</i>	Bruce, 1990c	(1)
			<i>Heptacarpus</i>	Holmes, 1900	(34)
			<i>Hippolyte</i>	Leach, 1814 [in Leach, 1813–1815]	(31)
			<i>Latreutes</i>	Stimpson, 1860c	(17)
			<i>Lebbeus</i>	White, 1847c	(47)

<i>Leontocaris</i> Stebbing, 1905	(8)	Family Thalassocarididae Bate, 1888	(4)
<i>Ligur</i> Sarato, 1885	(1)	<i>Chlorotocoides</i> Kemp, 1925	(1)
<i>Lysmata</i> Risso, 1816	(36)	<i>Thalassocaris</i> Stimpson, 1860c	(3)
<i>Lysmatella</i> Borradale, 1915	(1)		
<i>Mergua</i> Kemp, 1914	(2)		
<i>Merhippolyte</i> Bate, 1888	(7)		
<i>Mimocaris</i> Nobili, 1903	(1)		
<i>Nauticaris</i> Bate, 1888	(3)		
<i>Paralatreutes</i> Kemp, 1925	(1)		
<i>Paralebbeus</i> Bruce & Chace, 1986	(2)		
<i>Phycocaris</i> Kemp, 1916	(1)		
<i>Saron</i> Thallwitz, 1891	(4)		
<i>Spirontocaris</i> Bate, 1888	(20)		
<i>Thinora</i> Bruce, 1998	(1)		
<i>Thor</i> Kingsley, 1878	(12)		
<i>Thorella</i> Bruce, 1982c	(1)		
<i>Tozeuma</i> Stimpson, 1860c	(11)		
<i>Trachycaris</i> Calman, 1906a	(2)		
Family Ogyrididae Holthuis, 1955	(10)		
<i>Ogyrides</i> Stebbing, 1914	(10)		
SUPERFAMILY PROCESSOIDEA Ortmann, 1896	(65)		
Family Processidae Ortmann, 1896	(65)		
<i>Ambidexter</i> Manning & Chace, 1971	(3)		
<i>Clytomanningus</i> Chace, 1997	(2)		
<i>Hayashidonus</i> Chace, 1997	(1)		
<i>Nikoides</i> Paul'son, 1875	(10)		
<i>Processa</i> Leach, 1815 [in Leach, 1815–1875]	(49)		
SUPERFAMILY PANDALOIDEA † Haworth, 1825			
	(191, 0, 1)		
Family Pandalidae † Haworth, 1825	(187, 0, 1)		
<i>Anachlorocurtis</i> Hayashi, 1975	(1)		
<i>Atlantopandalus</i> Komai, 1999	(1)		
<i>Austropandalus</i> Holthuis, 1952a	(1)		
<i>Bitias</i> Fransen, 1990	(2)		
<i>Calipandalus</i> Komai & Chan, 2003	(1)		
<i>Chelonika</i> Fransen, 1997	(1)		
<i>Chlorocurtis</i> Kemp, 1925	(1)		
<i>Chlorotocella</i> Balss, 1914a	(2)		
<i>Chlorotucus</i> A. Milne-Edwards, 1882a	(2)		
<i>Dichelopandalus</i> Caullery, 1896	(2)		
<i>Dorodotes</i> Bate, 1888	(1)		
<i>Heterocarpus</i> A. Milne-Edwards, 1881b	(27)		
<i>Miropandalus</i> Bruce, 1983a	(1)		
<i>Notopandalus</i> Yaldwyn, 1960	(1)		
<i>Pandalina</i> Calman, 1899a	(4)		
<i>Pandalopsis</i> Bate, 1888	(20)		
<i>Pandalus</i> † Leach, 1814 [in Leach, 1813–1815]	(21, 0, 1)		
<i>Pantomus</i> A. Milne-Edwards, 1883	(2)		
<i>Peripandalus</i> De Man, 1917	(1)		
<i>Plesionika</i> Bate, 1888	(92)		
<i>Proctetes</i> Bate, 1888	(1)		
<i>Pseudopandalus</i> Crosnier, 1997	(1)		
<i>Stylopandalus</i> Coutière, 1905	(1)		
		Family Thalassocarididae Bate, 1888	(4)
		<i>Chlorotocoides</i> Kemp, 1925	(1)
		<i>Thalassocaris</i> Stimpson, 1860c	(3)
		SUPERFAMILY PHYSETOCARIDOIDEA	
		Chace, 1940a	(1)
		Family Phyetocarididae Chace, 1940a	(1)
		<i>Phyetocaris</i> Chace, 1940a	(1)
		SUPERFAMILY CRANGONOIDEA † Haworth, 1825	
			(284, 0, 4)
		Family Crangonidae † Haworth, 1825	(199, 0, 3)
		<i>Aegaeon</i> Agassiz, 1846 [in Agassiz, 1842–1846]	(5)
		<i>Argis</i> Krøyer, 1842	(10)
		<i>Crangon</i> † Fabricius, 1798	(19, 0, 2)
		<i>Lissocrangon</i> Kuris & Carlton, 1977	(1)
		<i>Lissosabinea</i> Christoffersen, 1988	(5)
		<i>Mesocrangon</i> Zarenkov, 1965	(3)
		<i>Metacrangon</i> Zarenkov, 1965	(24)
		<i>Morscrangon</i> †† Garassino & Jakobsen, 2005	(1)
		<i>Neocrangon</i> Zarenkov, 1965	(6)
		<i>Notocrangon</i> Coutière, 1900	(1)
		<i>Paracrangon</i> Dana, 1852a	(7)
		<i>Parapontocaris</i> Alcock, 1901	(6)
		<i>Parapontophilus</i> Christoffersen, 1988	(18)
		<i>Philocheras</i> Stebbing, 1900	(52)
		<i>Placopsicrangon</i> Komai & Chan, 2009	(1)
		<i>Pontocaris</i> Bate, 1888	(10)
		<i>Pontophilus</i> Leach, 1817 [in Leach, 1815–1875]	(3)
		<i>Pseudopontophilus</i> Komai, 2004	(1)
		<i>Prionocrangon</i> Wood-Mason & Alcock, 1891 [in Wood-Mason & Alcock, 1891–1893]	(7)
		<i>Rhynocrangon</i> Zarenkov, 1965	(3)
		<i>Sabinea</i> J. C. Ross, 1835	(3)
		<i>Sclerocrangon</i> Sars, 1883	(8)
		<i>Syncrangon</i> Kim & Hayashi, 2003	(2)
		<i>Vercoia</i> Baker, 1904	(4)
		Family Glyphocrangonidae Smith, 1884	(85)
		<i>Glyphocrangon</i> A. Milne-Edwards, 1881b	(85)
		Family Udorellidae †† Van Straelen, 1924	(1)
		<i>Udorella</i> †† Oppel, 1862	(1)
		UNPLACED AT SUPERFAMILY LEVEL ††	(14)
		<i>Acanthinopus</i> †† Pinna, 1974	(1)
		<i>Alcmonacaris</i> †† Polz, 2009	(1)
		<i>Bannikovia</i> †† Garassino & Teruzzi, 1996	(1)
		<i>Blaculla</i> †† Münster, 1839	(3)
		<i>Buergerocaris</i> †† Schweigert & Garassino, 2004	(1)
		<i>Gampsurus</i> †† von der Marck, 1863	(1)
		<i>Hefriga</i> †† Münster, 1839	(3)
		<i>Leiothorax</i> †† Pinna, 1974	(1)
		<i>Parvocaris</i> †† Bravi & Garassino, 1998a	(1)
		<i>Pinnacaris</i> †† Garassino & Teruzzi, 1993	(1)

INFRAORDER ASTACIDEA †	SUPERFAMILY ASTACOIDEA †
Latreille, 1802	Latreille, 1802 (428, 0, 9)
SUPERFAMILY PALAEOPALAEMONOIDEA ††	Family Astacidae †
Brooks, 1962	Latreille, 1802 (11, 0, 6) <i>Astacus</i> † Fabricius, 1775 (3, 0, 4) <i>Austropotamobius</i> † Skorikow, 1907 (3, 0, 1) <i>Pacifastacus</i> † Bott, 1950 (5, 0, 1)
Family Palaeopalaemonidae ††	Family Cambaridae †
Brooks, 1962	Hobbs, 1942 (417, 0, 2) <i>Barbicambarus</i> Hobbs, 1969 (1) <i>Bouchardina</i> Hobbs, 1977 (1) <i>Cambarellus</i> Ortmann, 1905b (17) <i>Cambaroides</i> Faxon, 1884 (7) <i>Cambarus</i> Erichson, 1846 (100) <i>Distocambarus</i> Hobbs, 1981 (5) <i>Fallicambarus</i> Hobbs, 1969 (18) <i>Faxonella</i> Creaser, 1933 (4) <i>Hobbsius</i> Fitzpatrick & Payne, 1968 (7) <i>Orconectes</i> Cope, 1872 (91) <i>Palaeocambarus</i> †† Taylor, Schram & Shen, 1999 (1) <i>Procambarus</i> † Ortmann, 1905a (165, 0, 1) <i>Troglocambarus</i> Hobbs, 1942 (1)
SUPERFAMILY ENOPLOMETOPOIDEA †	Family Uncinidae ††
de Saint Laurent, 1988	Beurlen, 1930b (5) <i>Malmuncina</i> †† Schweigert & Garassino, 2003 (1) <i>Uncina</i> †† Quenstedt, 1850 (4)
SUPERFAMILY NEPHROPOIDEA †	Family Chilenophoberidae ††
Dana, 1852a	Tshudy & Babcock, 1997 (11) <i>Chilenophoberus</i> †† Chong & Förster, 1976 (1) <i>Palaeophoberus</i> †† Glaessner, 1932 (2) <i>Pseudastacus</i> †† Oppel, 1861a (6) <i>Tillocheles</i> †† Woods, 1957 (2)
Family Protastacidae ††	Family Protastacidae ††
Albrecht, 1983	Albrecht, 1983 (2) <i>Protastacus</i> †† Albrecht, 1983 (2)
Family Stenochiridae ††	Family Stenochiridae ††
Beurlen, 1928a	Beurlen, 1928a (3) <i>Stenochirus</i> †† Oppel, 1861a (3)
Family Nephropidae †	Family Nephropidae †
Dana, 1852a	Dana, 1852a (49, 4, 90) <i>Acanthacaris</i> Bate, 1888 (2) <i>Eunephrops</i> Smith, 1885a (4) <i>Homarinus</i> Kornfield, Williams & Steneck, 1995 (1) <i>Homarus</i> † Weber, 1795 (0, 2, 8) <i>Hoploparia</i> †† M'Coy, 1849 (55) <i>Jagtia</i> †† Tshudy & Sorhannus, 2000 (1) <i>Metanephrops</i> † Jenkins, 1972 (17, 1, 4) <i>Nephropides</i> Manning, 1969 (1) <i>Nephrops</i> † Leach, 1814 [in Leach, 1813–1815] (1, 0, 7) <i>Nephropsis</i> † Wood-Mason, 1873 (14, 1, 1) <i>Oncopareia</i> †† Bosquet, 1854 (7) <i>Palaeonephrops</i> †† Mertin, 1941 (2) <i>Paracythia</i> †† Fritsch & Kafka, 1887 (4) <i>Pseudohomarus</i> †† van Hoepen, 1962 (1) <i>Thaumastocheles</i> Wood-Mason, 1874 (3) <i>Thaumastochelopsis</i> Bruce, 1988d (2) <i>Thymopides</i> Burukovsky & Averin, 1977 (2) <i>Thymops</i> Holthuis, 1974 (1) <i>Thymopsis</i> Holthuis, 1974 (1)
INFRAORDER GLYPHEIDEA †	INFRAORDER GLYPHEIDEA †
Winckler, 1882	Winckler, 1882
SUPERFAMILY ERYMOIDEA ††	SUPERFAMILY ERYMOIDEA ††
Van Straelen, 1924	Van Straelen, 1924 (113) <i>Erymidae</i> †† Van Straelen, 1924 <i>Clytiella</i> †† Glaessner, 1931 (1)

<i>Clytiopsis</i> †† Bill, 1914	(3)	<i>Bouvieraxius</i> K. Sakai & de Saint Laurent, 1989	(5)
<i>Enoploclytia</i> †† M'Coy, 1849	(20)	<i>Calaxius</i> K. Sakai & de Saint Laurent, 1989	(15)
<i>Eryma</i> †† von Meyer, 1840	(44)	<i>Calocarides</i> Wollebaek, 1908	(14)
<i>Galicia</i> †† Garassino & Krobicki, 2002	(3)	<i>Coralaxius</i> Kensley & Gore, 1981	(3)
<i>Lissocardia</i> †† von Meyer, 1851b	(3)	<i>Dorphinaxius</i> K. Sakai & de Saint Laurent, 1989	(1)
<i>Palaeastacus</i> †† Bell, 1850	(24)	<i>Etallonnia</i> †† Oppel, 1861a	(4)
<i>Paracytiopsis</i> †† Oravec, 1962	(1)	<i>Eutrichocheles</i> Wood-Mason, 1876	(5)
<i>Protocytiopsis</i> †† Birshtein, 1958	(1)	<i>Huxleycaris</i> †† Bravi & Garassino, 1998a	(1)
<i>Pustulina</i> †† Quenstedt, 1857 [in Quenstedt, 1856–1858]	(12)	<i>Levantocaris</i> Galil & P. F. Clark, 1993	(1)
<i>Stenodactylina</i> †† Beurlen, 1928a	(1)	<i>Litoraxius</i> Komai & Tachikawa, 2007	(1)
SUPERFAMILY GLYPHEOIDEA † Winckler, 1882	(2, 0, 143)	<i>Magila</i> †† Münster, 1839	(12)
Family Chimaerastacidae ††		<i>Marianaxius</i> Kensley, 1996	(1)
<i>Amati</i> , Feldmann & Zonneveld, 2004	(1)	<i>Megachela</i> †† Schweigert, 2003	(1)
<i>Chimaerastacus</i> †† Amati, Feldmann & Zonneveld, 2004	(1)	<i>Oxyrhynchaxius</i> Parisi, 1917	(3)
Family Glypheidae † Winckler, 1882	(2, 0, 83)	<i>Parascytoleptus</i> K. Sakai & de Saint Laurent, 1989	(1)
<i>Cedrillosia</i> †† Garassino, Artal & Pasini, 2009	(1)	<i>Paraxiopsis</i> De Man, 1905	(15)
<i>Glyphea</i> †† Meyer, 1835	(53)	<i>Paraxius</i> Bate, 1888	(1)
<i>Laurentaeglyphea</i> Forest, 2006	(1)	<i>Planaxius</i> Komai & Tachikawa, 2008	(1)
<i>Litogaster</i> †† von Meyer, 1847a	(6)	<i>Platyxius</i> K. Sakai, 1994	(1)
<i>Neoglyphea</i> Forest & de Saint Laurent, 1975	(1)	<i>Protaxius</i> †† Beurlen, 1930a	(4)
<i>Paralitogaster</i> †† Glaessner, 1969	(3)	<i>Schlueteria</i> †† Fritsch & Kafka, 1887	(4)
<i>Squamosoglyphea</i> †† Beurlen, 1930b	(4)	<i>Scytoleptus</i> Gerstäcker, 1856	(1)
<i>Trachysoma</i> †† Bell, 1858	(16)	<i>Spongixius</i> K. Sakai & de Saint Laurent, 1989	(3)
Family Mecochiridae †† Van Straelen, 1924	(48)	Family Callianassidae † Dana, 1852a	(187, 13, 206)
<i>Huatanka</i> †† Feldmann & West, 1978	(1)	Subfamily Anacalliacinae Manning & Felder, 1991	(3)
<i>Jabaloya</i> †† Garassino, Artal & Pasini, 2009	(1)	<i>Anacalliax</i> de Saint Laurent, 1973	(3)
<i>Mecochirus</i> †† Germar, 1827	(17)	Subfamily Bathycallianassinae K. Sakai & Türkay, 1999	(1)
<i>Meyeria</i> †† M'Coy, 1849	(10)	<i>Bathycalliax</i> K. Sakai & Türkay, 1999	(1)
<i>Praeatya</i> †† Woodward, 1869	(1)	Subfamily Callianassinae † Dana, 1852a	(85, 8, 149)
<i>Pseudoglyphea</i> †† Oppel, 1861b	(17)	<i>Biffarius</i> Manning & Felder, 1991	(6)
<i>Selenisca</i> †† von Meyer, 1847b	(1)	<i>Callianassa</i> † Leach, 1814 [in Leach, 1813–1815]	(57, 7, 147)
Family Pemphicidae †† Van Straelen, 1928	(7)	<i>Gilvoxiuss</i> Manning & Felder, 1992	(1)
<i>Pemphix</i> †† Meyer, 1840	(3)	<i>Necallianassa</i> Heard & Manning, 1998	(1)
<i>Pseudopemphix</i> †† Wüst, 1903	(3)	<i>Neotrypaea</i> † Manning & Felder, 1991	(3, 1, 0)
<i>Sinopemphix</i> †† Li, 1975	(1)	<i>Nihonotrypaea</i> † Manning & Tamaki, 1998	(4, 0, 1)
Family Platychelidae †† Glaessner, 1969	(4)	<i>Notiax</i> Manning & Felder, 1991	(2)
<i>Glaessnericaris</i> †† Garassino & Teruzzi, 1993	(2)	<i>Paratrypaea</i> Komai & Tachikawa, 2007	(2)
<i>Platychela</i> †† Glaessner, 1931	(1)	<i>Pestarella</i> Ngoc-Ho, 2003	(5)
<i>Platypeleon</i> †† Van Straelen, 1936b	(1)	<i>Poti</i> Rodrigues & Manning, 1992	(1)
INFRAORDER AXIIDEA †		<i>Pseudobiffarius</i> Heard & Manning, 2000	(1)
de Saint Laurent, 1979b		<i>Rayllianassa</i> Komai & Tachikawa, 2007	(1)
Family Axiidae † Huxley, 1879	(108, 0, 29)	<i>Trypaea</i> † Dana, 1852a	(1, 0, 1)
<i>Acanthaxius</i> K. Sakai & de Saint Laurent, 1989	(15)	Subfamily Calliapaguropinae K. Sakai, 1999b	(2)
<i>Allaxius</i> K. Sakai & de Saint Laurent, 1989	(6)	<i>Calliapagurops</i> de Saint Laurent, 1973	(2)
<i>Anophthalmalus</i> De Man, 1905	(1)	Subfamily Callichirinae † Manning & Felder, 1991	(70, 5, 25)
<i>Axiopsis</i> † Borradaile, 1903b	(10, 0, 1)	<i>Callichirus</i> † Stimpson, 1866	(3, 2, 3)
<i>Axiorygma</i> Kensley & Simmons, 1988	(1)	<i>Corallianassa</i> † Manning, 1987	(12, 0, 2)
<i>Axius</i> † Leach, 1816a	(3, 0, 2)	<i>Glypturus</i> † Stimpson, 1866	(3, 1, 1)
		<i>Grynaminna</i> Poore, 2000	(1)
		<i>Lepidophthalmus</i> † Holmes, 1904	(13, 1, 0)
		<i>Michaelcallianassa</i> K. Sakai, 2002	(1)
		<i>Neocallichirus</i> † K. Sakai, 1988	(25, 0, 18)
		<i>Podocallichirus</i> † K. Sakai, 1999b	(7, 0, 1)
		<i>Sergio</i> † Manning & Lemaitre, 1994	(5, 1, 0)
		Subfamily Cheraminae Manning & Felder, 1991	(7)
		<i>Cheramus</i> Bate, 1888	(6)

Scallasis Bate, 1888	(1)	
Subfamily Eucalliacinae † Manning & Felder, 1991	(16, 0, 5)	
<i>Calliax</i> † de Saint Laurent, 1973	(3, 0, 1)	
<i>Calliaxina</i> Ngoc-Ho, 2003	(3)	
<i>Eucalliax</i> † Manning & Felder, 1991	(8, 0, 4)	
<i>Paraglypturus</i> Türkay & K. Sakai, 1995	(2)	
Subfamily Lipkecallianassinae K. Sakai, 2005	(1)	
<i>Lipkecallianassa</i> K. Sakai, 2002	(1)	
Subfamily Paracalliacinae K. Sakai, 2005	(1)	
<i>Paracalliax</i> de Saint Laurent, 1979a	(1)	
Subfamily Vulcanocalliacinae Dworschak & Cunha, 2007	(1)	
<i>Vulcanocalliax</i> Dworschak & Cunha, 2007	(1)	
Unplaced at subfamily level ††	(27)	
<i>Brecanclawu</i> †† Schweitzer & Feldmann, 2001b	(1)	
<i>Comoxianassa</i> †† Schweitzer, Feldmann, Čosović, R. L. M. Ross & Waugh, 2009	(1)	
<i>Cowichianassa</i> †† Schweitzer, Feldmann, Čosović, R. L. M. Ross & Waugh, 2009	(1)	
<i>Eoglypturus</i> †† Beschin, De Angeli, Checchi & Zarantonello, 2005	(1)	
<i>Melipal</i> †† Schweitzer & Feldmann, 2006	(1)	
<i>Protocallianassa</i> †† Beurlen, 1930b	(21)	
<i>Vegarthon</i> †† Schweitzer & Feldmann, 2002	(1)	
Family Callianideidae Kossmann, 1880	(2)	
<i>Callianidea</i> H. Milne Edwards, 1837 [in H. Milne Edwards, 1834–1840]	(2)	
Family Calocarididae Ortmann, 1891	(29)	
<i>Ambiatrix</i> K. Sakai & de Saint Laurent, 1989	(3)	
<i>Briancaris</i> K. Sakai & Ohta, 2005	(3)	
<i>Calastacus</i> Faxon, 1893	(7)	
<i>Calaxiopsis</i> K. Sakai & de Saint Laurent, 1989	(4)	
<i>Calocaris</i> Bell, 1846 [in Bell, 1844–1853]	(8)	
<i>Eucalastacus</i> K. Sakai, 1992a	(1)	
<i>Lophaxius</i> Kensley, 1989	(3)	
Family Ctenochelidae † Manning & Felder, 1991	(22, 1, 24)	
Subfamily Callianopsinae † Manning & Felder, 1991	(2, 0, 8)	
<i>Callianopsis</i> † de Saint Laurent, 1973	(2, 0, 8)	
Subfamily Ctenochelinae † Manning & Felder, 1991	(5, 1, 15)	
<i>Ctenocheles</i> † Kishinouye, 1926	(5, 1, 15)	
Subfamily Gouretiinae † K. Sakai, 1999a	(14, 0, 1)	
<i>Dawsonius</i> Manning & Felder, 1991	(1)	
<i>Gourretia</i> † de Saint Laurent, 1973	(10, 0, 1)	
<i>Laurentgourretia</i> K. Sakai, 2004	(1)	
<i>Paragourretia</i> K. Sakai, 2004	(2)	
Subfamily Pseudogourretiinae K. Sakai, 2005	(1)	
<i>Pseudogourretia</i> K. Sakai, 2005	(1)	
Family Eiconaxiidae K. Sakai & Ohta, 2005	(26)	
<i>Eiconaxius</i> Bate, 1888	(26)	
Family Micheleidae † K. Sakai, 1992b	(28, 0, 1)	
<i>Marcusiaxius</i> Rodrigues & H. A. de Carvalho, 1972	(5)	
<i>Meticonaxius</i> De Man, 1905	(9)	
<i>Michelea</i> Kensley & Heard, 1991	(12)	
<i>Paki</i> †† Karasawa & Hayakawa, 2000	(1)	
<i>Tethisea</i> Poore, 1994	(2)	
Family Strahlaxiidae Poore, 1994	(10)	
<i>Neaxiopsis</i> K. Sakai & de Saint Laurent, 1989	(2)	
<i>Neaxius</i> Borradaile, 1903b	(6)	
<i>Strahlaxius</i> K. Sakai & de Saint Laurent, 1989	(2)	
Family Thomassiniidae de Saint Laurent, 1979a	(11)	
<i>Crosnieria</i> Kensley & Heard, 1991	(5)	
<i>Mictaxius</i> Kensley & Heard, 1991	(3)	
<i>Thomassinia</i> de Saint Laurent, 1979a	(3)	
INFRAORDER GEBIIDEA †		
de Saint Laurent, 1979b		
Family Axianassidae Schmitt, 1924	(6)	
<i>Axianassa</i> Schmitt, 1924	(6)	
Family Laomediidae † Borradaile, 1903b	(16, 1, 3)	
<i>Espeleonaushonia</i> Juarrero & Martínez-Iglesias, in Juarrero, García & Martínez-Iglesias, 1997	(2)	
<i>Jacea</i> † Nardo, 1847	(1, 1, 1)	
<i>Laomedea</i> † De Haan, 1847 [in De Haan, 1833–1850]	(4, 0, 1)	
<i>Laurentiella</i> † Le Loeuff & Intès, 1974	(1, 0, 1)	
<i>Naushonia</i> Kingsley, 1897	(8)	
Family Thalassinidae † Latreille, 1831	(7, 1, 1)	
<i>Thalassina</i> † Latreille, 1806	(7, 1, 1)	
Family Upogebiidae † Borradaile, 1903b	(163, 2, 21)	
<i>Acutigebia</i> K. Sakai, 1982	(4)	
<i>Aethogebia</i> Williams, 1993	(1)	
<i>Arabigebicula</i> K. Sakai, 2006	(1)	
<i>Austinogebia</i> Ngoc-Ho, 2001	(5)	
<i>Gebiacantha</i> Ngoc-Ho, 1989	(17)	
<i>Gebicula</i> Alcock, 1901	(2)	
<i>Mantisgebia</i> K. Sakai, 2006	(2)	
<i>Neogebicula</i> K. Sakai, 1982	(3)	
<i>Paragebicula</i> K. Sakai, 2006	(5)	
<i>Pomatogebia</i> Williams & Ngoc-Ho, 1990	(3)	
<i>Tuerkayogebia</i> K. Sakai, 1982	(1)	
<i>Upogebia</i> † Leach, 1814 [in Leach, 1813–1815]	(114, 2, 21)	
<i>Wolffogebia</i> K. Sakai, 1982	(5)	
INFRAORDER ACHELATA †		
Scholtz & Richter, 1995		
Family Cancrinidae †† Beurlen, 1930b	(2)	
<i>Cancrinos</i> †† Münster, 1839	(2)	

Family Palinuridae † Latreille, 1802	(55, 0, 56)	<i>Hasaracancer</i> †† Jux, 1971	(1)
<i>Archaeocarabus</i> †† M'Coy, 1849	(4)	<i>Hellerocaris</i> †† Van Straelen, 1924	(1)
<i>Archaeopalinurus</i> †† Pinna, 1974	(1)	<i>Proeryon</i> †† Beurlen, 1928a	(5)
<i>Astacodes</i> †† Bell, 1863	(6)	<i>Pseudocoleia</i> †† Garassino & Teruzzi, 1993	(1)
<i>Jasus</i> † Parker, 1883	(6, 0, 1)	<i>Tropifer</i> †† Gould, 1857	(1)
<i>Justitia</i> † Holthuis, 1946	(1, 0, 2)	<i>Willemoesiocaris</i> †† Van Straelen, 1924	(1)
<i>Linuparus</i> † White, 1847c	(3, 0, 32)		
<i>Nupalirus</i> Kubo, 1955	(3)		
<i>Palaeopalinurus</i> †† Bachmayer, 1954	(1)		
<i>Palibythus</i> Davie, 1990	(1)		
<i>Palinurellus</i> von Martens, 1878	(2)		
<i>Palinurina</i> †† Münster, 1839	(2)		
<i>Palinurus</i> † Weber, 1795	(6, 0, 4)		
<i>Palinustus</i> A. Milne-Edwards, 1880	(5)		
<i>Panulirus</i> † White, 1847c	(21, 0, 1)		
<i>Pehuenchia</i> †† Rusconi, 1948	(2)		
<i>Projasus</i> George & Grindley, 1964	(2)		
<i>Puerulus</i> Ortmann, 1897b	(4)		
<i>Sagmariasus</i> Holthuis, 1991	(1)		
 Family Scyllaridae † Latreille, 1825a			
Subfamily Arctidinae † Holthuis, 1985	(16, 1, 4)		
<i>Arctides</i> Holthuis, 1960a	(3)		
<i>Scyllarides</i> † Gill, 1898	(13, 1, 4)		
Subfamily Ibacinae † Holthuis, 1985	(14, 1, 3)		
<i>Evibacus</i> Smith, 1869a	(1)		
<i>Ibacus</i> Leach, 1815	(8)		
<i>Parribacus</i> † Dana, 1852a	(5, 1, 3)		
Subfamily Scyllarinae † Latreille, 1825a	(50, 1, 5)		
<i>Acantharctus</i> Holthuis, 2002	(3)		
<i>Antarctus</i> Holthuis, 2002	(1)		
<i>Antipodarctus</i> Holthuis, 2002	(1)		
<i>Bathyarctus</i> Holthuis, 2002	(6)		
<i>Biarctus</i> † Holthuis, 2002	(3, 1, 0)		
<i>Chelarctus</i> Holthuis, 2002	(3)		
<i>Crenarctus</i> Holthuis, 2002	(2)		
<i>Eduarctus</i> Holthuis, 2002	(8)		
<i>Galearctus</i> Holthuis, 2002	(5)		
<i>Gibbularctus</i> Holthuis, 2002	(1)		
<i>Petrarctus</i> Holthuis, 2002	(5)		
<i>Remiarctus</i> Holthuis, 2002	(1)		
<i>Scammarctus</i> Holthuis, 2002	(2)		
<i>Scyllarella</i> †† Rathbun, 1935	(3)		
<i>Scyllarus</i> † Fabricius, 1775	(9, 0, 2)		
Subfamily Theninae Holthuis, 1985	(5)		
<i>Thenus</i> Leach, 1816a	(5)		
Unplaced at subfamily level ††	(1)		
<i>Palibacus</i> †† Förster, 1984	(1)		
 Family Tricarinidae †† Feldmann, Kolahdouz, Biranvand & Schweigert, 2007	(1)		
<i>Tricarina</i> †† Feldmann, Kolahdouz, Biranvand & Schweigert, 2007	(1)		
 INFRAORDER POLYCHELIDA †			
Scholtz & Richter, 1995			
 Family Coleiidae †† Van Straelen, 1924	(39)		
<i>Coleia</i> †† Broderip, 1835	(29)		
 Family Eryonidae †† De Haan, 1841			
[in De Haan, 1833–1850]			(12)
<i>Cycleryon</i> †† Glaessner, 1965			(4)
<i>Eryon</i> †† A. G. Desmarest, 1822			(5)
<i>Knebelia</i> †† Van Straelen, 1922			(1)
<i>Rosenfeldia</i> †† Garassino, Teruzzi & Dalla Vecchia, 1996			(2)
 Family Palaeopentachelidae †† Ahyong, 2009			(2)
<i>Palaeopentacheles</i> †† von Knebel, 1907			(2)
 Family Polychelidae † Wood-Mason, 1875			(38, 0, 1)
<i>Antarcticheles</i> †† Aguirre-Urreta, Buatois, Chernoglasov & Medina, 1990			(1)
<i>Cardus</i> Galil, 2000b			(1)
<i>Homeryon</i> Galil, 2000b			(2)
<i>Pentacheles</i> Bate, 1878			(5)
<i>Polycheles</i> Heller, 1862a			(9)
<i>Stereomastis</i> Bate, 1888			(17)
<i>Willemoesia</i> Grote, 1873			(4)
 Family Tetrachelidae †† Beurlen, 1930b			(1)
<i>Tetrachelia</i> †† Reuss, 1858b			(1)
 INFRAORDER ANOMURA †			
MacLeay, 1838			
 SUPERFAMILY AEGLOIDEA † Dana, 1852c			(63, 0, 2)
 Family Aeglidae † Dana, 1852c			(63, 0, 2)
<i>Aegla</i> Leach, 1820			(63)
<i>Haumuriaegla</i> †† Feldmann, 1984			(1)
<i>Protaegla</i> ††			
Feldmann, Vega, Applegate & Bishop, 1998			(1)
 SUPERFAMILY GALATHEOIDEA † Samouelle, 1819			
			(1139, 3, 102)
 Family Chirostylidae † Ortmann, 1892a			(204, 0, 2)
<i>Chirostylus</i> Ortmann, 1892a			(7)
<i>Eumunida</i> † Smith, 1883			(29, 0, 1)
<i>Gastroptychus</i> Caulery, 1896			(21)
<i>Hapaloptyx</i> Stebbing, 1920			(1)
<i>Pristinaspina</i> †† Schweitzer & Feldmann, 2000a			(1)
<i>Pseudomonida</i> Haig, 1979			(1)
<i>Uroptychodes</i> Baba, 2004			(11)
<i>Uroptychus</i> Henderson, 1888			(134)
 Family Galatheidae † Samouelle, 1819			(688, 2, 75)
<i>Acanthogalathea</i> †† Müller & Collins, 1991			(3)
<i>Agononida</i> Baba & de Saint Laurent, 1996			(33)
<i>Alainius</i> Baba, 1991			(1)

<i>Allogalathea</i> Baba, 1969	(1)	<i>Beripetrolisthes</i> †† De Angeli & Garassino, 2002	(1)
<i>Allomunida</i> Baba, 1988	(1)	<i>Capilliporcellana</i> Haig, 1978	(2)
<i>Anomoeomunida</i> Baba, 1993	(1)	<i>Clastotoechus</i> Haig, 1960	(6)
<i>Anoplonica</i> Baba & de Saint Laurent, 1996	(3)	<i>Enosteoides</i> Johnson, 1970	(3)
<i>Astromunida</i> †† Schweitzer & Feldmann, 2000a	(1)	<i>Eopetrolisthes</i> †† De Angeli & Garassino, 2002	(1)
<i>Babamunida</i> Cabezas, Macpherson & Machordom, 2008	(6)	<i>Euceramus</i> Stimpson, 1860a	(3)
<i>Bathymunida</i> Balss, 1914c	(14)	<i>Eulenaios</i> Ng & Nakasone, 1993b	(1)
<i>Brazilomunida</i> †† Martins-Neto, 2001	(1)	<i>Heteropolyonyx</i> Osawa, 2001	(1)
<i>Calteagalathea</i> †† De Angeli & Garassino, 2006	(1)	<i>Heteroporcellana</i> Haig, 1978	(1)
<i>Cervimunida</i> Benedict, 1902	(2)	<i>Liotetrapeltes</i> Haig, 1960	(1)
<i>Coralligalathea</i> Baba & Javed, 1974	(1)	<i>Lissoporcellana</i> Haig, 1978	(8)
<i>Cretagalathea</i> †† Garassino, De Angeli & Pasini, 2008	(1)	<i>Lobipetrolisthes</i> †† De Angeli & Garassino, 2002	(1)
<i>Crosnierita</i> Macpherson, 1998	(4)	<i>Longoporcellana</i> †† Müller & Collins, 1991	(2)
<i>Enriquea</i> Baba, 2005	(1)	<i>Megalobrachium</i> Stimpson, 1858d	(12)
<i>Eomunidopsis</i> †† Vía, 1981	(9)	<i>Minyocerus</i> Stimpson, 1858d	(2)
<i>Faxegalathea</i> †† Jakobsen & Collins, 1997	(1)	<i>Neopetrolisthes</i> Miyake, 1937	(4)
<i>Fennerothalathea</i> Baba, 1988	(2)	<i>Neopisosoma</i> Haig, 1960	(4)
<i>Galacantha</i> Milne-Edwards, 1880	(9)	<i>Novorostrum</i> Osawa, 1998	(3)
<i>Galathea</i> † Fabricius, 1793	(69, 2, 10)	<i>Orthochela</i> Glassell, 1936	(1)
<i>Gastrosacus</i> †† Meyer, 1851a	(15)	<i>Pachycheles</i> † Stimpson, 1858d	(39, 1, 2)
<i>Heteronida</i> Baba & de Saint Laurent, 1996	(3)	<i>Parapetrolisthes</i> Haig, 1962	(1)
<i>Janetogalathea</i> Baba & Wicksten, 1997	(1)	<i>Petrocheles</i> Miers, 1876	(2)
<i>Lauriea</i> Baba, 1971	(2)	<i>Petrolisthes</i> † Stimpson, 1858d	(100, 0, 9)
<i>Leiogalathea</i> Baba, 1969	(2)	<i>Pisidia</i> † Leach, 1820	(10, 0, 3)
<i>Lessinigalathea</i> †† De Angeli & Garassino, 2002	(1)	<i>Polyonyx</i> † Stimpson, 1858d	(18, 0, 1)
<i>Lophoranella</i> †† Glaessner, 1946	(1)	<i>Porcellana</i> † Lamarck, 1801	(10, 0, 1)
<i>Luisogalathea</i> †† Karasawa & Hayakawa, 2000	(3)	<i>Porcellanella</i> White, 1852	(2)
<i>Mesogalathea</i> †† Houša, 1963	(2)	<i>Porcellanoidea</i> †† C.-H. Hu & Tao, 1996	(1)
<i>Munida</i> † Leach, 1820	(246, 0, 5)	<i>Porcellanopsis</i> Rathbun, 1910	(1)
<i>Munidopsis</i> † Whiteaves, 1874	(225, 0, 2)	<i>Pseudoporcellanella</i> Sankarankutty, 1961	(1)
<i>Munitheites</i> †† Lórenthey, in Lórenthey & Beurlen, 1929	(1)	<i>Raphidopus</i> Stimpson, 1858d	(3)
<i>Nanogalathea</i> Tirmizi & Javed, 1980	(1)		
<i>Neonida</i> Baba & de Saint Laurent, 1996	(1)		
<i>Onconida</i> Baba & de Saint Laurent, 1996	(5)		
<i>Palaeomunida</i> †† Lórenthey, 1902	(3)		
<i>Palaeomunidopsis</i> †† Van Straelen, 1924	(1)		
<i>Paragalathea</i> †† Patrulius, 1959	(11)		
<i>Paramunida</i> Baba, 1988	(26)		
<i>Phylladiorhynchus</i> Baba, 1969	(5)		
<i>Plesionida</i> Baba & de Saint Laurent, 1996	(3)		
<i>Pleuroncodes</i> Stimpson, 1860b	(2)		
<i>Protomunida</i> †† Beurlen, 1930b	(1)		
<i>Raymunida</i> Macpherson & Machordom, 2000	(10)		
<i>Sadayoshia</i> Baba, 1969	(2)		
<i>Setanida</i> Macpherson, 2006	(1)		
<i>Shinkaia</i> † Baba & Williams, 1998	(1, 0, 1)		
<i>Spathagalathea</i> †† De Angeli & Garassino, 2002	(1)		
<i>Tasmanida</i> Ahyong, 2007	(1)		
<i>Torbenella</i> Baba, 2008	(3)		
Family Porcellanidae † Haworth, 1825	(247, 1, 23)		
<i>Aliaporcellana</i> Nakasone & Miyake, 1969	(4)		
<i>Allopétrolisthes</i> Haig, 1960	(3)		
<i>Ancylotriches</i> Haig, 1978	(1)		
<i>Annieporcellana</i> ††			
Fraaije, Van Bakel, Jagt & Artal, 2008	(1)		
		Family Retrorsichelidae ††	
		Feldmann, Tshudy & Thomson, 1993	(1)
		<i>Retrorsichela</i> ††	
		Feldmann, Tshudy & Thomson, 1993	(1)
		Unplaced at family level ††	(1)
		<i>Ovocarcinus</i> †† Müller & Collins, 1991	(1)
		SUPERFAMILY HIPPOIDEA † Latreille, 1825a	
			(82, 0, 13)
		Family Albuneidae † Stimpson, 1858d	(50, 0, 9)
		Subfamily Albuneinae † Stimpson, 1858d	(30, 0, 8)
		<i>Albunea</i> † Weber, 1795	(22, 0, 4)
		<i>Harryhausenia</i> †† Boyko, 2004	(1)
		<i>Italialbunea</i> †† Boyko, 2002	(1)
		<i>Paralbunea</i> Serène, 1977	(4)
		<i>Squillalbunea</i> Boyko, 2002	(1)
		<i>Stemonopa</i> † Efford & Haig, 1968	(1, 0, 1)
		<i>Zygopa</i> † Holthuis, 1961	(2, 0, 1)
		Subfamily Lepidopinae † Boyko, 2002	(20, 0, 1)
		<i>Austrolepidopa</i> Efford & Haig, 1968	(3)
		<i>Lepidopa</i> Stimpson, 1858d	(14)
		<i>Leucolepidopa</i> Efford, 1969	(1)
		<i>Paraleucolepidopa</i> Calado, 1996	(2)
		<i>Praealbunea</i> †† Fraaije, 2002	(1)

Family Blepharipodidae † Boyko, 2002	(7, 0, 4)	<i>Ciliopagurus</i> † Forest, 1995	(17, 0, 3)
<i>Blepharipoda</i> Randall, 1840	(4)	<i>Clibanarius</i> † Dana, 1852c	(60, 0, 1)
<i>Lophomastix</i> † Benedict, 1904	(3, 0, 4)	<i>Dardanus</i> † Paul'son, 1875	(40, 3, 9)
Family Hippidae Latreille, 1825a	(25)	<i>Diogenes</i> † Dana, 1851a	(56, 2, 2)
<i>Emerita</i> Scopoli, 1777	(9)	<i>Eocalcinus</i> †† Vía, 1959	(2)
<i>Hippa</i> Fabricius, 1787	(14)	<i>Isocheles</i> Stimpson, 1858d	(5)
<i>Mastigochirus</i> Miers, 1878	(2)	<i>Loxopagurus</i> Forest, 1964	(1)
SUPERFAMILY KIWAOIDEA		<i>Paguristes</i> † Dana, 1851a	(116, 0, 16)
Macpherson, Jones & Segonzac, 2005	(1)	<i>Paguroopsis</i> Henderson, 1888	(1)
Family Kiwaidae Macpherson, Jones & Segonzac, 2005	(1)	<i>Parapaguristes</i> †† Bishop, 1986	(1)
<i>Kiwa</i> Macpherson, Jones & Segonzac, 2005	(1)	<i>Petrochirus</i> † Stimpson, 1858d	(3, 2, 6)
SUPERFAMILY LITHODOIDEA † Samouelle, 1819	(108, 0, 1)	<i>Pseudopaguristes</i> McLaughlin, 2002	(12)
Family Hapalogastridae Brandt, 1850	(8)	<i>Pseudopagurus</i> Forest, 1952	(2)
<i>Acantholithodes</i> Holmes, 1894	(1)	<i>Stratiotes</i> Thomson, 1899	(16)
<i>Dermaturus</i> Brandt, 1850	(1)	<i>Striadiogenes</i> ††	
<i>Hapalogaster</i> Brandt, 1850	(4)	Garassino, De Angeli & Pasini, 2009	(2)
<i>Oedignathus</i> Benedict, 1895	(1)	<i>Strigopagurus</i> Forest, 1995	(4)
<i>Placetron</i> Schalfeew, 1892	(1)	<i>Tisea</i> Morgan & Forest, 1991	(1)
Family Lithodidae † Samouelle, 1819	(100, 0, 1)	<i>Trizopagurus</i> Forest, 1952	(3)
<i>Cryptolithodes</i> Brandt, 1848	(3)	Family Paguridae † Latreille, 1802	(510, 7, 62)
<i>Glyptolithodes</i> Faxon, 1895	(1)	<i>Acanthopagurus</i> de Saint Laurent, 1968	(1)
<i>Lithodes</i> Latreille, 1806	(18)	<i>Agaricochirus</i> McLaughlin, 1981	(8)
<i>Lopholithodes</i> Brandt, 1848	(2)	<i>Alainopaguroides</i> McLaughlin, 1997	(2)
<i>Neolithodes</i> A. Milne-Edwards & Bouvier, 1894	(11)	<i>Alainopagurus</i> Lemaitre & McLaughlin, 1995	(1)
<i>Parolithodes</i> Brandt, 1848	(5)	<i>Alloeopagurodes</i> Komai, 1998	(1)
<i>Paralomis</i> † White, 1856	(56, 0, 1)	<i>Anapagrides</i> de Saint Laurent-Dechancé, 1966b	(3)
<i>Phyllolithodes</i> Brandt, 1848	(1)	<i>Anapagurus</i> † Henderson, 1886	(20, 0, 2)
<i>Rhinolithodes</i> Brandt, 1848	(2)	<i>Anisopagurus</i> McLaughlin, 1981	(5)
<i>Sculptolithodes</i> Makarov, 1934	(1)	<i>Bathypagropsis</i> McLaughlin, 1994	(7)
SUPERFAMILY LOMISOIDEA Bouvier, 1895	(1)	<i>Boninpagurus</i> Asakura & Tachikawa, 2004	(1)
Family Lomisidae Bouvier, 1895	(1)	<i>Bythiopagurus</i> McLaughlin, 2003	(1)
<i>Lomis</i> H. Milne Edwards, 1837		<i>Catapaguroides</i> A. Milne-Edwards & Bouvier, 1892	(19)
[in H. Milne Edwards, 1834–1840]	(1)	<i>Catapagropsis</i> McLaughlin & Lemaitre, 2006	(1)
SUPERFAMILY PAGUROIDEA † Latreille, 1802	(1057, 16, 112)	<i>Catapagurus</i> A. Milne-Edwards, 1880	(23)
Family Coenobitidae † Dana, 1851a	(15, 2, 0)	<i>Ceratopagurus</i> Yokoya, 1933	(1)
<i>Birgus</i> † Leach, 1816a	(0, 1, 0)	<i>Cestopagurus</i> Bouvier, 1897a	(3)
<i>Coenobita</i> † Latreille, 1829	(15, 1, 0)	<i>Chanopagurus</i> Lemaitre, 2003	(1)
Family Diogenidae † Ortmann, 1892a	(412, 7, 46)	<i>Cyclopagurus</i> McLaughlin, 2004	(1)
<i>Allodardanus</i> Haig & Provenzano, 1965	(3)	<i>Decaphyllus</i> de Saint Laurent, 1968	(5)
<i>Aniculus</i> Dana, 1852b	(9)	<i>Dentalopagurus</i> McLaughlin, 2007b	(1)
<i>Annuntidiogenes</i> ††		<i>Diancanthurus</i> † McLaughlin & Forest, 1997	(5, 0, 1)
Fraaije, Van Bakel, Jagt & Artal, 2008	(3)	<i>Discorsopagurus</i> McLaughlin, 1974	(4)
<i>Bathynarius</i> Forest, 1989	(5)	<i>Elassochirus</i> Benedict, 1892b	(3)
<i>Calcinus</i> † Dana, 1851a	(43, 0, 1)	<i>Enallopaguropsis</i> McLaughlin, 1981	(3)
<i>Cancellus</i> H. Milne Edwards, 1836	(15)	<i>Enallopagurus</i> McLaughlin, 1981	(4)
		<i>Enneobranchus</i> García-Gómez, 1988	(3)
		<i>Enneopagurus</i> McLaughlin, 1997	(1)
		<i>Enneophyllus</i> McLaughlin, 1997	(1)
		<i>Forestopagurus</i> García-Gómez, 1994	(1)
		<i>Goniochirus</i> † Étallon, 1861	(7)
		<i>Goreopagurus</i> McLaughlin, 1988	(3)
		<i>Hachijopagurus</i> Osawa & Okuno, 2003	(1)
		<i>Haigiopagurus</i> McLaughlin, 2005	(1)
		<i>Icelopagurus</i> McLaughlin, 1997	(1)
		<i>Iridopagurus</i> de Saint Laurent-Dechancé, 1966a	(9)
		<i>Labidochirus</i> Benedict, 1892b	(2)
		<i>Lithopagurus</i> Provenzano, 1968	(3)
		<i>Lophopagurus</i> McLaughlin, 1981	(14)

<i>Manucomplanus</i> McLaughlin, 1981	(5)	<i>Cheiroplatea</i> Bate, 1888	(6)
<i>Michelopagurus</i> McLaughlin, 1997	(4)	<i>Forestochelus</i> McLaughlin & Lemaitre, 2009	(1)
<i>Micropagurus</i> McLaughlin, 1986	(5)	<i>Mixtopagurus</i> A. Milne-Edwards, 1880	(1)
<i>Munidopagurus</i> A. Milne-Edwards, 1880	(1)	<i>Parapylocheles</i> Alcock, 1901	(1)
<i>Nematopaguroides</i> Forest & de Saint Laurent, 1968	(3)	<i>Pylocheles</i> A. Milne-Edwards, 1880	(2)
<i>Nematopagurus</i> A. Milne-Edwards & Bouvier, 1892	(26)	<i>Pomatocheles</i> Miers, 1879b	(3)
<i>Orhomalus</i> †† Étallon, 1861	(17)	<i>Trizocnemis</i> Forest, 1987	(19)
<i>Orthopagurus</i> B. A. Stevens, 1927	(1)	<i>Xylocheles</i> McLaughlin & Lemaitre, 2009	(2)
<i>Ostraconotus</i> A. Milne-Edwards, 1880	(1)		
<i>Paguridium</i> Forest, 1961	(1)		
<i>Paguritta</i> Melin, 1939	(7)		
<i>Pagurixus</i> Melin, 1939	(20)		
<i>Pagurodes</i> Henderson, 1888	(1)		
<i>Pagurodofleinia</i> Asakura, 2005	(1)		
<i>Pagurojacquesia</i> de Saint Laurent & McLaughlin, 2000	(1)		
<i>Pagurus</i> † Fabricius, 1775	(169, 7, 19)		
<i>Palaeopagurus</i> †† Van Straelen, 1924	(14)		
<i>Parapagurodes</i> McLaughlin & Haig, 1973	(2)		
<i>Phimochirus</i> McLaughlin, 1981	(8)		
<i>Porcellanopagurus</i> Filhol, 1885	(13)		
<i>Propagurus</i> McLaughlin & de Saint Laurent, 1998	(5)		
<i>Protoniopagurus</i> Lemaitre & McLaughlin, 1996	(1)		
<i>Pseudopagurodes</i> McLaughlin, 1997	(1)		
<i>Pteropagurus</i> McLaughlin & Rahayu, 2006	(2)		
<i>Pumilopaurus</i> McLaughlin & Rahayu, 2008	(1)		
<i>Pygmaeopagurus</i> McLaughlin, 1986	(1)		
<i>Pylopaguridium</i> McLaughlin & Lemaitre, 2001b	(1)		
<i>Pylopaguropsis</i> Alcock, 1905b	(15)		
<i>Pylopagurus</i> † A. Milne-Edwards & Bouvier, 1891	(5, 0, 2)		
<i>Rhodochirus</i> McLaughlin, 1981	(2)		
<i>Scopaeopagurus</i> McLaughlin & Hogarth, 1998	(1)		
<i>Solenopagurus</i> de Saint Laurent, 1968	(2)		
<i>Solitariopagurus</i> Türkay, 1986	(4)		
<i>Spiropagurus</i> Stimpson, 1858d	(6)		
<i>Tarrasopagurus</i> McLaughlin, 1997	(1)		
<i>Tomopaguroides</i> Balss, 1912	(1)		
<i>Tomopaguropsis</i> Alcock, 1905b	(4)		
<i>Tomopagurus</i> A. Milne-Edwards & Bouvier, 1893	(8)		
<i>Trichopagurus</i> de Saint Laurent, 1968	(2)		
<i>Turleania</i> McLaughlin, 1997	(7)		
<i>Xylopagurus</i> A. Milne-Edwards, 1880	(7)		
Family Parapaguridae Smith, 1882	(76)		
<i>Bivalvopagurus</i> Lemaitre, 1993	(1)		
<i>Oncopagurus</i> Lemaitre, 1996	(16)		
<i>Paragiopagurus</i> Lemaitre, 1996	(18)		
<i>Parapagurus</i> Smith, 1879	(17)		
<i>Probebebi</i> Boone, 1926	(1)		
<i>Strobopagurus</i> Lemaitre, 1989	(3)		
<i>Sympagurus</i> Smith, 1883	(17)		
<i>Tsunogaipagurus</i> Osawa, 1995	(1)		
<i>Tylaspis</i> Tizard, Moseley, Buchanan & Murray, 1885	(1)		
<i>Typhlopagurus</i> de Saint Laurent, 1972	(1)		
Family Pylochelidae Bate, 1888	(42)		
<i>Bathycheles</i> McLaughlin & Lemaitre, 2009	(6)		
<i>Cancellocheles</i> Forest, 1987	(1)		
		Family Pylojacquesidae McLaughlin & Lemaitre, 2001a	
		(2)	
		<i>Lemaitreopsis</i> McLaughlin, 2007a	(1)
		<i>Pylojacquesia</i> McLaughlin & Lemaitre, 2001a	(1)
		Unplaced at family level ††	(4)
		<i>Ammopylocheles</i> ††	
		Van Bakel, Fraaije, Jagt & Artal, 2008	(1)
		<i>Eopaguropsis</i> †† Van Bakel, Fraaije, Jagt & Artal, 2008	(1)
		<i>Eotylaspis</i> †† Van Bakel, Fraaije, Jagt & Artal, 2008	(1)
		<i>Jurapylocheles</i> †† Van Bakel, Fraaije, Jagt & Artal, 2008	(1)
		INFRAORDER BRACHYURA †	
		Linnaeus, 1758	
		SECTION DROMIACEA †	
		De Haan, 1833 [in De Haan, 1833–1850]	
		SUPERFAMILY DAKOTICANCROIDEA ††	
		Rathbun, 1917	(6)
		Family Dakoticancridae †† Rathbun, 1917	(5)
		<i>Avitelmessus</i> †† Rathbun, 1923	(1)
		<i>Dakoticancer</i> †† Rathbun, 1917	(2)
		<i>Seorsus</i> †† Bishop, 1988a	(1)
		<i>Tetrapacrinus</i> †† Weller, 1905	(1)
		Family Ibericancriidae ††	
		Artal, Guinot, Van Bakel & Castillo, 2008	(1)
		<i>Ibericancer</i> †† Artal, Guinot, Van Bakel & Castillo, 2008	(1)
		SUPERFAMILY DROMIOIDEA † De Haan, 1833	
		[in De Haan, 1833–1850]	(143, 4, 85)
		Family Diaulacidae †† Wright & Collins, 1972	(3)
		<i>Diaulax</i> †† Bell, 1863	(3)
		Family Dromiidae † De Haan, 1833	
		[in De Haan, 1833–1850]	(124, 2, 26)
		Subfamily Dromiinae † De Haan, 1833	
		[in De Haan, 1833–1850]	(110, 2, 26)
		<i>Alainodromia</i> McLay, 1998	(1)
		<i>Ameridromia</i> †† Blow & Manning, 1996	(1)
		<i>Ascidiophilus</i> Richters, 1880	(1)
		<i>Austrodromidia</i> McLay, 1993	(4)
		<i>Barnardomia</i> McLay, 1993	(2)
		<i>Conchoecetes</i> Stimpson, 1858d	(3)

<i>Cryptodromia</i> † Stimpson, 1858d	(21, 1, 0)	<i>Kierionopsis</i> †† Davidson, 1966	(1)
<i>Cryptodromiopsis</i> Borradaile, 1903c	(3)	<i>Maurimia</i> †† Martins-Neto, 2001	(1)
<i>Desmodromia</i> McLay, 2001	(2)	<i>Metadynomene</i> McLay, 1999	(3)
<i>Dromia</i> † Weber, 1795	(5, 0, 2)	<i>Ovamene</i> †† Müller & Collins, 1991	(1)
<i>Dromidia</i> † Stimpson, 1858d	(5, 0, 1)	<i>Paradynomene</i> T. Sakai, 1963	(6)
<i>Dromidiopsis</i> Borradaile, 1900a	(6)	<i>Stephanometopon</i> †† Bosquet, 1854	(1)
<i>Dromilites</i> †† H. Milne Edwards, 1837	(12)	<i>Trechmannius</i> †† Collins & Donovan, 2006	(1)
<i>Epigodromia</i> † McLay, 1993	(9, 1, 0)	<i>Xandaros</i> †† Bishop, 1988c	(1)
<i>Epipedodromia</i> André, 1932	(1)		
<i>Eudromidia</i> Barnard, 1947	(2)		
<i>Exodromidia</i> Stebbing, 1905	(3)	Family Etyiidae †† Guinot & Tavares, 2001	(20)
<i>Foredromia</i> McLay, 2002	(1)	<i>Caloxanthus</i> †† A. Milne-Edwards, 1864	(6)
<i>Fultodromia</i> McLay, 1993	(2)	<i>Etyus</i> †† Mantell, 1822	(1)
<i>Haledromia</i> McLay, 1993	(1)	<i>Etyxanthosia</i> †† Fraaije, Van Bakel, Jagt & Artal, 2008	(4)
<i>Hemisphaerodromia</i> Barnard, 1954	(1)		
<i>Homalodromia</i> Miers, 1884	(1)	<i>Feldmannia</i> †† Guinot & Tavares, 2001	(2)
<i>Kerepesia</i> †† Müller, 1976	(1)	<i>Guinotosia</i> ††	
<i>Kromtisis</i> †† Müller, 1984	(4)	Beschin, Busulini, De Angeli & Tessier, 2007	(1)
<i>Lamarckdromia</i> Guinot & Tavares, 2003	(1)	<i>Sharnia</i> †† Collins & Saward, 2006	(1)
<i>Lauridromia</i> McLay, 1993	(2)	<i>Xanthosia</i> †† Bell, 1863	(5)
<i>Lewindromia</i> Guinot & Tavares, 2003	(1)		
<i>Lucanthonisia</i> †† Van Bakel, Artal, Fraaije & Jagt, 2009	(2)	SUPERFAMILY EOCARCINOIDEA †† Withers, 1932	
<i>Mclaydromia</i> Guinot & Tavares, 2003	(2)		(1)
<i>Metadromia</i> McLay, 2009	(1)	Family Eocarcinidae †† Withers, 1932	(1)
<i>Moreiradromia</i> Guinot & Tavares, 2003	(2)	<i>Eocarcinus</i> †† Withers, 1932	(1)
<i>Noetlingia</i> †† Beurlen, 1928b	(3)		
<i>Paradromia</i> Balss, 1921	(2)	SUPERFAMILY GLAESNEROPSIDEOA ††	
<i>Petalomera</i> Stimpson, 1858d	(3)	Patrulius, 1959	(45)
<i>Platydromia</i> Brocchi, 1877	(1)		
<i>Pseudodromia</i> Stimpson, 1858d	(4)	Family Glaessneropsidae †† Patrulius, 1959	(11)
<i>Speodromia</i> Barnard, 1947	(1)	<i>Ekalakia</i> †† Bishop, 1976	(1)
<i>Stebbingdromia</i> Guinot & Tavares, 2003	(1)	<i>Glaessneropsis</i> †† Patrulius, 1959	(2)
<i>Sternodromia</i> Forest, 1974	(2)	<i>Rathbunopon</i> †† Stenzel, 1945	(4)
<i>Stimndromia</i> McLay, 1993	(6)	<i>Vectis</i> †† Withers, 1946	(3)
<i>Takedromia</i> McLay, 1993	(5)	<i>Verrucarinus</i> †† Schweitzer & Feldmann, 2009	(1)
<i>Tumidodromia</i> McLay, 2009	(1)		
<i>Tunedromia</i> McLay, 1993	(1)	Family Lecythocaridae †† Schweitzer & Feldmann, 2009	
Subfamily Hypoconchiae Guinot & Tavares, 2003	(6)		(1)
<i>Hypoconcha</i> Guérin-Méneville, 1854	(6)	<i>Lecythocaris</i> †† von Meyer, 1860	(1)
Subfamily Sphaerodromiinae Guinot & Tavares, 2003	(8)		
<i>Eodromia</i> McLay, 1993	(1)	Family Longodromitidae ††	
<i>Frodromia</i> McLay, 1993	(2)	Schweitzer & Feldmann, 2009	(19)
<i>Sphaerodromia</i> Alcock, 1899a	(5)	<i>Abyssophthalmus</i> †† Schweitzer & Feldmann, 2009	(5)
Family Dynomenidae † Ortmann, 1892b	(19, 2, 36)	<i>Coelopus</i> †† Étallon, 1861	(4)
<i>Acanthodiaulax</i> †† Schweitzer, Feldmann, Fam,		<i>Longodromites</i> †† Patrulius, 1959	(2)
Hessin, Hetrick, Nyborg & R. L. M. Ross, 2003	(1)	<i>Planoprosopon</i> †† Schweitzer, Feldmann & Lazăr, 2007	
<i>Acanthodromia</i> A. Milne-Edwards, 1880	(2)		(8)
<i>Basinotopus</i> †† M'Coy, 1849	(3)		
<i>Cyamocarcinus</i> †† Bittner, 1883	(1)	Family Nodoprosopidae †† Schweitzer & Feldmann,	
<i>Dromiopsis</i> †† Reuss, 1858a	(13)	2009	(14)
<i>Dynomene</i> † A. G. Desmarest, 1823	(5, 2, 5)	<i>Nodoprosopon</i> †† Beurlen, 1928b	(14)
<i>Dynomenopsis</i> †† Secretan, 1972	(1)		
<i>Eotrachynotocarcinus</i> ††		SUPERFAMILY HOMOLODROMIOIDEA †	
Beschin, Busulini, De Angeli & Tessier, 2007	(1)	Alcock, 1900a	(24, 0, 107)
<i>Gemmellarocarcinus</i> †† Checchia-Rispoli, 1905	(1)		
<i>Graptocarcinus</i> †† Roemer, 1887	(4)	Family Bucculentidae †† Schweitzer & Feldmann, 2009	
<i>Hirsutodynamene</i> McLay, 1999	(3)		(3)
		<i>Bucculentum</i> †† Schweitzer & Feldmann, 2009	(2)
		<i>Wilmingtonia</i> †† Wright & Collins, 1972	(1)

Family Goniodromitidae †† Beurlen, 1932	(66)	<i>Homolochunia</i> Doflein, 1904	(4)
<i>Cycloprosopon</i> †† Lórenthey, in Lórenthey & Beurlen, 1929	(3)	<i>Homologenus</i> A. Milne-Edwards, in Henderson, 1888	(10)
<i>Cyclothyreus</i> †† Remeš, 1895	(9)	<i>Homolomannia</i> Ihle, 1912	(2)
<i>Distefania</i> †† Chechia-Rispoli, 1917	(12)	<i>Homolopsis</i> †† Bell, 1863	(10)
<i>Eodromites</i> †† Patrulius, 1959	(6)	<i>Hoplitocarcinus</i> †† Beurlen, 1928b	(1)
<i>Goniodromites</i> †† Reuss, 1858a	(12)	<i>Ihlopsis</i> Guinot & Richer de Forges, 1995	(2)
<i>Palaeodromites</i> †† A. Milne-Edwards, 1865c	(1)	<i>Lamoha</i> Ng, 1998	(9)
<i>Pithononot</i> †† von Meyer, 1860	(13)	<i>Latheticocarcinus</i> †† Bishop, 1988b	(15)
<i>Plagiophthalmus</i> †† Bell, 1863	(6)	<i>Latreillopsis</i> Henderson, 1888	(9)
<i>Sabellidromites</i> †† Schweitzer & Feldmann, 2008	(2)	<i>Lignihomola</i> †† Collins, 1997	(1)
<i>Trachynotocarcinus</i> †† Wright & Collins, 1972	(2)	<i>Londinimola</i> †† Collins & Saward, 2006	(1)
 		<i>Moloha</i> Barnard, 1947	(6)
Family Homolodromiidae † Alcock, 1900a	(24, 0, 7)	<i>Paromola</i> † Wood-Mason & Alcock, 1891	(6, 0, 1)
<i>Antarctidromia</i> †† Förster, Gaździcki & Wrona, 1985	(1)	<i>Paromolopsis</i> † Wood-Mason & Alcock, 1891	(1, 0, 1)
<i>Dicranodromia</i> A. Milne-Edwards, 1880	(19)	<i>Prohomola</i> †† Karasawa, 1992	(2)
<i>Eoprosopon</i> †† Förster, 1986	(1)	<i>Yaldwynopsis</i> Guinot & Richer de Forges, 1995	(3)
<i>Homolodromia</i> † A. Milne-Edwards, 1880	(5, 0, 2)	<i>Zygastrocarcinus</i> †† Bishop, 1983c	(4)
<i>Palehomola</i> †† Rathbun, 1926	(1)	 	
<i>Preclarocarcinus</i> †† Schweitzer, Feldmann, Čosović, R. L. M. Ross & Waugh, 2009	(1)	Family Latreilliidae † Stimpson, 1858d	(7, 0, 1)
<i>Rhinodromia</i> †† Schweitzer, Nyborg, Feldmann & R. L. M. Ross, 2003	(1)	<i>Eplumula</i> Williams, 1982	(2)
 		<i>Latreilla</i> Roux, 1830 [in Roux, 1828–1830]	(5)
Family Prosopidae †† von Meyer, 1860	(14)	<i>Heeia</i> †† Wright & Collins, 1972	(1)
<i>Laeviprosopon</i> †† Glaessner, 1933	(7)	 	
<i>Prosopon</i> †† Meyer, 1835	(6)	Family Poupiniidae † Guinot, 1991	(1, 0, 1)
<i>Protuberosa</i> †† Schweitzer & Feldmann, 2009	(1)	<i>Poupinia</i> Guinot, 1991	(1)
 		<i>Rhinopoupinia</i> †† Feldmann, 1993	(1)
Family Tanidromitidae †† Schweitzer & Feldmann, 2008	(9)	 	
<i>Gabriella</i> ††		Family Tithonohomolidae ††	
Collins, A. J. Ross, Genzano & Manzian, 2006	(5)	Feldmann & Schweitzer, 2009	(4)
<i>Tanidromites</i> †† Schweitzer & Feldmann, 2008	(4)	<i>Tenuihomola</i> †† Feldmann & Schweitzer, 2009	(2)
 		<i>Tithonohomola</i> †† Glaessner, 1933	(2)
Unplaced at family level ††	(8)	 	
<i>Mesodromilites</i> †† Woodward, 1900	(1)	SECTION RANINOIDA †	
<i>Microcorystes</i> †† Fritsch, 1893	(1)	De Haan, 1839 [in De Haan, 1833–1850]	
<i>Mithracites</i> †† Gould, 1859	(1)	 	
<i>Nipponopon</i> †† Karasawa, Kato & Terabe, 2006	(1)	Family Camarocarcinidae ††	
<i>Oonoton</i> †† Glaessner, 1980	(1)	Feldmann, Li & Schweitzer, 2007	(4)
<i>Oxythyreus</i> †† Bronn & Roemer, 1852	(2)	<i>Camarocarcinus</i> †† Holland & Cvancara, 1958	(3)
<i>Rugafarius</i> †† Bishop, 1985	(1)	<i>Cretacocarcinus</i> †† Feldmann, Li & Schweitzer, 2007	(1)
 		Family Cenomanocarcinidae ††	
SUPERFAMILY HOMOLOIDEA † De Haan, 1839		Guinot, Vega & Van Bakel, 2008	(9)
[in De Haan, 1833–1850]	(73, 0, 49)	<i>Campylostoma</i> †† Bell, 1858	(1)
 		<i>Cenomanocarcinus</i> †† Van Straelen, 1936a	(8)
Family Gastropodidae ††		 	
Van Bakel, Fraaije, Jagt & Artal, 2008	(2)	Family Raninidae † De Haan, 1839	
<i>Gastropodus</i> †† Meyer, 1864	(2)	[in De Haan, 1833–1850]	(39, 7, 183)
 		Subfamily Cyrtorhininae † Guinot, 1993	(2, 0, 4)
Family Homolidae † De Haan, 1839		<i>Cyrtorhina</i> † Monod, 1956	(2, 0, 4)
[in De Haan, 1833–1850]	(65, 0, 41)	Subfamily Lyreidinae † Guinot, 1993	(6, 0, 33)
<i>Dagnaudus</i> † Guinot & Richer de Forges, 1995	(1, 0, 1)	<i>Hemioon</i> †† Bell, 1863	(7)
<i>Doerflesia</i> †† Feldmann & Schweitzer, 2009	(1)	<i>Lyreidina</i> †† Fraaye & Van Bakel, 1998	(1)
<i>Gordonopsis</i> Guinot & Richer de Forges, 1995	(1)	<i>Lyreidus</i> † De Haan, 1841	
<i>Homola</i> † Leach, 1815	(10, 0, 2)	[in De Haan, 1833–1850]	(3, 0, 10)
<i>Homolax</i> Alcock, 1900a	(1)	<i>Lysirude</i> Goeke, 1985	(3)
<i>Homoliformis</i> †† Collins, Schulz & Jakobsen, 2005	(1)	<i>Rogueus</i> †† Berglund & Feldmann, 1989	(2)

Subfamily Notopodinae † Serène & Umali, 1970	(14, 3, 20)
<i>Cosmonotus</i> Adams & White, in White, 1848	(3)
<i>Eumorphocystes</i> †† Binkhorst, 1857	(4)
<i>Lianira</i> †† Beschin, Busulini, De Angeli, Tessier & Ungaro, 1991	(2)
<i>Lovarina</i> †† Beschin, Busulini, De Angeli, Tessier & Ungaro, 1991	(1)
<i>Notopus</i> † De Haan, 1841	
[in De Haan, 1833–1850]	(0, 1, 2)
<i>Ranidina</i> †† Bittner, 1893	(1)
<i>Raniliformis</i> †† Jagt, Collins & Fraaye, 1993	(7)
<i>Ranilia</i> † H. Milne Edwards, 1837	
[in H. Milne Edwards, 1834–1840]	(5, 1, 2)
<i>Umalia</i> † Guinot, 1993	(6, 1, 1)
Subfamily Ranininae † De Haan, 1839	
[in De Haan, 1833–1850]	(0, 1, 56)
<i>Lophoranina</i> †† Fabiani, 1910	(24)
<i>Ranina</i> † Lamarck, 1801	(0, 1, 17)
<i>Raninella</i> †† A. Milne-Edwards, 1862c	(15)
Subfamily Raninoidinae † Lörenthay, in Lörenthay & Beurlen, 1929	(14, 3, 43)
<i>Bicornisranina</i> †† Tyborg & Fam, 2008	(1)
<i>Cenocorystes</i> †† Collins & Breton, 2009	(1)
<i>Cristafrons</i> †† Feldmann, 1993	(1)
<i>Notopoides</i> † Henderson, 1888	(1, 0, 3)
<i>Notosceles</i> † Bourne, 1922	(4, 1, 0)
<i>Quasilaeviranina</i> †† Tucker, 1998	(6)
<i>Raninoides</i> † H. Milne Edwards, 1837	
[in H. Milne Edwards, 1834–1840]	(9, 2, 31)
Subfamily Palaeocorystinae †† Lörenthay, in Lörenthay & Beurlen, 1929	(24)
<i>Cretacoranina</i> †† Mertin, 1941	(12)
<i>Eucorystes</i> †† Bell, 1863	(4)
<i>Heus</i> †† Bishop & Williams, 2000	(1)
<i>Notopocorystes</i> †† M'Coy, 1849	(7)
Subfamily Symethinae † Goeke, 1981	(3, 0, 1)
<i>Symethis</i> † Weber, 1795	(3, 0, 1)
Unplaced at subfamily level ††	(2)
<i>Araripecarcinus</i> †† Martins-Neto, 1987	(1)
<i>Sabahranina</i> †† Collins, Lee & Noad, 2003	(1)
SECTION CYCLODORIPPOIDA †	
Ortmann, 1892b	
Family Cyclodorippidae † Ortmann, 1892b	(48, 0, 5)
Subfamily Cyclodorippinae † Ortmann, 1892b	(37, 0, 4)
<i>Clythrocerus</i> A. Milne-Edwards & Bouvier, 1899	(6)
<i>Corycodus</i> A. Milne-Edwards, 1880	(5)
<i>Cyclodorippe</i> A. Milne-Edwards, 1880	(7)
<i>Deilocerus</i> Tavares, 1993b	(8)
<i>Neocorycodus</i> Tavares, 1993b	(1)
<i>Simodorippe</i> Chace, 1940b	(1)
<i>Tymolus</i> † Stimpson, 1858c	(9, 0, 4)
Subfamily Xeinostomatinae † Tavares, 1992	(11, 0, 1)
<i>Ketamia</i> Tavares, 1992	(4)
<i>Krangalangia</i> Tavares, 1992	(3)
<i>Xeinostoma</i> † Stebbing, 1920	(4, 0, 1)
Family Cymonomidae † Bouvier, 1897b	(37, 0, 1)
<i>Curupironomus</i> Tavares, 1993b	(1)
<i>Cymonomoides</i> Tavares, 1993b	(5)
<i>Cymonomus</i> † A. Milne-Edwards, 1880	(29, 0, 1)
<i>Cymopolus</i> A. Milne-Edwards, 1880	(1)
<i>Elassopodus</i> Tavares, 1993a	(1)
Family Phyllotyminidae Tavares, 1998	(4)
<i>Genkaia</i> Miyake & Takeda, 1970	(2)
<i>Lonchodactylus</i> Tavares & Lemaitre, 1996	(1)
<i>Phyllotyminum</i> Tavares, 1993a	(1)
Family Torynommatidae †† Glaessner, 1980	(21)
<i>Binkhorstia</i> †† Noetling, 1881	(2)
<i>Dioratiopus</i> †† Woods, 1953	(12)
<i>Torynomma</i> †† Woods, 1953	(6)
<i>Withersella</i> †† Wright & Collins, 1972	(1)
SECTION EUBRACHYURA †	
de Saint Laurent, 1980	
SUBSECTION HETEROTREMATA †	
Guinot, 1977	
SUPERFAMILY AETHROIDEA † Dana, 1851e	
	(35, 2, 44)
Family Aethridae † Dana, 1851e	(35, 2, 44)
<i>Actaeomorpha</i> Miers, 1877b	(3)
<i>Aethra</i> Latreille, 1816	(4)
<i>Drachiella</i> † Guinot, in Serène & Soh, 1976	(6, 0, 1)
<i>Eriosachila</i> †† Blow & Manning, 1996	(8)
<i>Hepatella</i> † Smith, in Milne-Edwards, 1863	(2, 0, 1)
<i>Hepaticus</i> †† Bittner, 1875	(9)
<i>Hepatus</i> † Latreille, 1802	(5, 2, 7)
<i>Mainhepaticus</i> †† De Angeli & Beschin, 1999	(1)
<i>Matutites</i> †† Blow & Manning, 1996	(3)
<i>Osachila</i> † Stimpson, 1871b	(11, 0, 3)
<i>Prehepatus</i> †† Rathbun, 1935	(8)
<i>Priabonella</i> ††	
Beschin, De Angeli, Checchi & Mietto, 2006	(1)
<i>Pseudohepaticus</i> †† Blow & Manning, 1996	(2)
<i>Sakaila</i> Manning & Holthuis, 1981	(4)
SUPERFAMILY BELLIOIDEA Dana, 1852c	(7)
Family Belliidae Dana, 1852c	(7)
Subfamily Belliinae Dana, 1852c	(6)
<i>Acanthocyclus</i> Lucas, 1844	
[in H. Milne Edwards & Lucas, 1842–1844]	(3)
<i>Bellia</i> Milne Edwards, 1848	(1)
<i>Corystoidea</i> Lucas, 1844	
[in H. Milne Edwards & Lucas, 1842–1844]	(2)
Subfamily Heteroziiinae Števčić, 2005	(1)
<i>Heterozius</i> A. Milne-Edwards, 1867	(1)

SUPERFAMILY BYTHOGRAEOIDEA	Williams, 1980	(0, 1, 1)
	(14)	
Family Bythograeidae	Williams, 1980	(14)
<i>Allograea</i> Guinot, Hurtado & Vrijenhoek, 2002	(1)	
<i>Austinograea</i> Hessler & J. W. Martin, 1989	(3)	
<i>Bythograea</i> Williams, 1980	(6)	
<i>Cyanagraea</i> de Saint Laurent, 1984	(1)	
<i>Gandalfus</i> McLay, 2007	(2)	
<i>Segonzacia</i> Guinot, 1989	(1)	
SUPERFAMILY CALAPPOIDEA	† De Haan, 1833	(14, 17, 67)
[in De Haan, 1833–1850]	(90, 11, 71)	
Family Calappidae	† De Haan, 1833	(14, 17, 67)
[in De Haan, 1833–1850]	(75, 11, 67)	
<i>Acanthocarpus</i> † Stimpson, 1871b	(5, 0, 1)	
<i>Calappa</i> † Weber, 1795	(34, 7, 18)	
<i>Calappella</i> † Rathbun, 1919	(1)	
<i>Calappilia</i> † A. Milne-Edwards, 1873b	(26)	
<i>Calappula</i> Galil, 1997	(1)	
<i>Cryptosoma</i> † Brullé, 1839 [in Brullé, 1836–1850]	(3, 1, 0)	
<i>Cycloes</i> † De Haan, 1837 [in De Haan, 1833–1850]	(1, 1, 0)	
<i>Cyclozodion</i> Williams & Child, 1989	(2)	
<i>Mursia</i> † A. G. Desmarest, 1823	(26, 2, 12)	
<i>Mursilata</i> † C.-H. Hu & Tao, 1996	(3)	
<i>Mursilia</i> † Rathbun, 1918a	(1)	
<i>Mursiopsis</i> † Ristori, 1889	(1)	
<i>Paracyclois</i> † Miers, 1886	(2, 0, 1)	
<i>Platymera</i> H. Milne Edwards, 1837	(1)	
[in H. Milne Edwards, 1834–1840]	(1)	
<i>Stenodromia</i> † A. Milne-Edwards, 1873b	(2)	
<i>Tutus</i> † Collins, Portell & Donovan, 2009	(1)	
Family Matutidae	† De Haan, 1835	(1, 3, 27)
[in De Haan, 1833–1850]	(15, 0, 3)	
<i>Ashtoret</i> † Galil & P. F. Clark, 1994	(8, 0, 1)	
<i>Eomatuta</i> † De Angeli & Marchiori, 2009	(1)	
<i>Izanami</i> Galil & P. F. Clark, 1994	(2)	
<i>Matuta</i> Weber, 1795	(4)	
<i>Mebeli</i> Galil & P. F. Clark, 1994	(1)	
<i>Szaboa</i> † Müller & Galil, 1998	(1)	
Unplaced at family level	††	(1)
<i>Cristella</i> †† Collins & Rasmussen, 1992	(1)	
SUPERFAMILY CANCROIDEA	† Latreille, 1802	(11)
	(38, 19, 81)	
Family Atelecyclidae	† Ortmann, 1893b	(24, 2, 14)
<i>Atelecyclus</i> † Leach, 1814	(1, 1, 2)	
[in Leach, 1813–1815]	(1, 1, 2)	
<i>Levicyclus</i> † Schweitzer, Feldmann, González-Barba & Vega, 2002	(1)	
<i>Palaeotrichia</i> †† Guinot, 1976	(2)	
<i>Peltarion</i> Hombron & Jacquinot, 1846	(2)	
[in Hombron & Jacquinot, 1842–1854]	(2)	
Podocatactes	† Ortmann, 1893a	(0, 1, 1)
Pseudocorystes	H. Milne Edwards, 1837	
	[in H. Milne Edwards, 1834–1840]	(1)
Pteropeltarion	Dell, 1972	(1)
Trichopeltarion	† A. Milne-Edwards, 1880	(19, 0, 8)
Family Cancridae	† Latreille, 1802	(14, 17, 67)
Subfamily Cancrinae	† Latreille, 1802	(14, 17, 57)
<i>Anatolikos</i> † Schweitzer & Feldmann, 2000c	(1, 1, 2)	
<i>Anisospinos</i> †† Schweitzer & Feldmann, 2000c	(3)	
<i>Cancer</i> † Linnaeus, 1758	(1, 7, 26)	
<i>Ceroneectes</i> †† De Angeli & Beschin, 1998	(3)	
<i>Cyclocancer</i> †† Beurlen, 1958b	(1)	
<i>Glebocarcinus</i> † Nations, 1975	(1, 1, 0)	
<i>Metacarcinus</i> † A. Milne-Edwards, 1862b	(1, 4, 9)	
<i>Microdium</i> †† Reuss, 1867	(1)	
<i>Notocarcinus</i> †† Schweitzer & Feldmann, 2000c	(1)	
<i>Platepistoma</i> † Rathbun, 1906	(7, 0, 2)	
<i>Romaleon</i> † Gistel, 1848	(3, 4, 7)	
<i>Santeecarcinus</i> †† Blow & Manning, 1996	(1)	
<i>Sarahcarcinus</i> †† Blow & Manning, 1996	(1)	
Subfamily Lobocarcininae	†† Beurlen, 1930b	(10)
<i>Lobocarcinus</i> †† Reuss, 1857	(8)	
<i>Miocyclus</i> †† Müller, 1978	(1)	
<i>Tasadia</i> †† Müller, in Janssen & Müller, 1984	(1)	
SUPERFAMILY CARPILIOIDEA	† Ortmann, 1893b	(1, 3, 104)
Family Carpiliidae	† Ortmann, 1893b	(1, 3, 27)
<i>Carpilius</i> † A. G. Desmarest, 1823	(1, 3, 2)	
<i>Eocarpilius</i> †† Blow & Manning, 1996	(4)	
<i>Holocarcinus</i> †† Withers, 1924	(1)	
<i>Ocalina</i> †† Rathbun, 1929	(4)	
<i>Palaeocarpilius</i> †† A. Milne-Edwards, 1862b	(14)	
<i>Paraocalina</i> ††	Beschin, Busulini, De Angeli & Tessier, 2007	(1)
	<i>Proxicarpilius</i> †† Collins & Morris, 1978	(1)
Family Paleoxanthopsidae	†† Schweitzer, 2003	(11)
<i>Jakobsenius</i> †† Schweitzer, 2005a	(1)	
<i>Lobulata</i> ††	Schweitzer, Feldmann & Gingerich, 2004	(1)
	<i>Palaeoxantho</i> † Bishop, 1986	(1)
	<i>Palaeoxanthopsis</i> †† Beurlen, 1958a	(3)
	<i>Paraverrucoides</i> †† Schweitzer, 2003	(1)
	<i>Remia</i> †† Schweitzer, 2003	(1)
	<i>Rocacarcinus</i> †† Schweitzer, 2005a	(1)
	<i>Verrucoides</i> †† Vega, Cosma, Coutiño, Feldmann, Nyborg, Schweitzer & Waugh, 2001	(2)
Family Tumidocarinidae	†† Schweitzer, 2005a	(30)
<i>Baricarcinus</i> †† Casadío, De Angeli, Feldmann, Garassino, Hetler, Parras & Schweitzer, 2004	(1)	
<i>Cyclocorystes</i> †† Bell, 1858	(2)	
<i>Lobonotus</i> †† A. Milne-Edwards, 1863	(9)	
<i>Nitotacarcinus</i> †† Schweitzer, Artal, Van Bakel, Jagt & Karasawa, 2007	(2)	
<i>Paratumidocarcinus</i> †† Martins-Neto, 2001	(1)	

<i>Pulalius</i> †† Schweitzer, Feldmann, Tucker & Berglund, 2000	(2)	SUPERFAMILY DORIPPOIDEA † MacLeay, 1838 (98, 3, 73)
<i>Titanocarcinus</i> †† A. Milne-Edwards, 1863	(7)	
<i>Tumidocarcinus</i> †† Glaessner, 1960	(4)	Family Dorippidae † MacLeay, 1838 (19, 2, 19)
<i>Xanthilites</i> †† Bell, 1858	(2)	<i>Archaeocypoda</i> †† Secretan, 1975 (1)
Family Zanthopsidae †† Vía, 1959	(36)	<i>Bartethusa</i> †† Quayle & Collins, 1981 (1)
<i>Fredericia</i> †† Collins & Jakobsen, 2003	(1)	<i>Dorippe</i> † Weber, 1795 (7, 0, 3)
<i>Harpactocarcinus</i> †† A. Milne-Edwards, 1862b	(10)	<i>Dorippoides</i> Serène & Romimohtarto, 1969 (2)
<i>Harpactoxanthopsis</i> †† Vía, 1959	(5)	<i>Eodorippe</i> †† Glaessner, 1980 (2)
<i>Martinetta</i> †† Blow & Manning, 1997	(1)	<i>Heikeopsis</i> † Ng, Guinot & Davie, 2008 (2, 0, 1)
<i>Neozanthopsis</i> †† Schweitzer, 2003	(7)	<i>Hillius</i> †† Bishop, 1983b (1)
<i>Zanthopsis</i> †† M'Coy, 1849	(12)	<i>Medorippe</i> † Manning & Holthuis, 1981 (0, 1, 2)
SUPERFAMILY CHEIRAGONOIDEA †		<i>Neodorippe</i> † Serène & Romimohtarto, 1969 (2, 0, 1)
Ortmann, 1893b	(3, 0, 13)	<i>Nobilum</i> † Serène & Romimohtarto, 1969 (1, 0, 1)
Family Cheiragonidae † Ortmann, 1893b	(3, 0, 13)	<i>Paradorippe</i> † Serène & Romimohtarto, 1969 (3, 1, 0)
<i>Erimacrus</i> Benedict, 1892a	(1)	<i>Philippidorippe</i> H. Chen, 1986 (1)
<i>Karasawaia</i> †† Vega, Nyborg, Coutiño & Hernández-Monzón, 2008	(1)	<i>Phyllodориппе</i> Manning & Holthuis, 1981 (1)
<i>Montezumella</i> †† Rathbun, 1930a	(11)	<i>Sodakus</i> †† Bishop, 1978 (2)
<i>Stintonius</i> †† Collins, 2002	(1)	<i>Telamonocarcinus</i> †† Larghi, 2004 (2)
<i>Telmessus</i> White, 1846b	(2)	<i>Tepoxicarcinus</i> †† Feldmann, Vega, Applegate & Bishop, 1998 (1)
SUPERFAMILY COMPONOCANCROIDEA ††		<i>Titanodorippe</i> †† Blow & Manning, 1996 (1)
Feldmann, Schweitzer & Green, 2008	(1)	
Family Componocancridae ††		Family Ethusidae † Guinot, 1977 (79, 1, 5)
Feldmann, Schweitzer & Green, 2008	(1)	<i>Ethusa</i> † Roux, 1830 [in Roux, 1828–1830] (42, 1, 5)
<i>Componocancer</i> ††		<i>Ethusina</i> Smith, 1884 (34)
Feldmann, Schweitzer & Green, 2008	(1)	<i>Parethusa</i> H. L. Chen, 1997 (2)
SUPERFAMILY CORYSTOIDEA † Samouelle, 1819	(9, 1, 5)	<i>Serpenthusa</i> Naruse, Castro & Ng, 2009 (1)
Family Corystidae † Samouelle, 1819	(9, 1, 5)	
<i>Corystes</i> † Bosc, 1802	(0, 1, 1)	Family Necrocarcinidae †† Förster, 1968 (40)
<i>Corystites</i> Lörenthey, in Lörenthey & Beurlen, 1929	(1)	<i>Corazzatocarcinus</i> †† Larghi, 2004 (1)
<i>Gomeza</i> Gray, 1831	(2)	<i>Glyptodynamene</i> †† Van Straelen, 1944 (1)
<i>Gomezinus</i> †† Collins, Lee & Noad, 2003	(1)	<i>Necrocarcinus</i> †† Bell, 1863 (21)
<i>Harenacorystes</i> †† Van Bakel, Jagt, Artal & Fraaije, 2009	(1)	<i>Paranecrocarcinus</i> †† Van Straelen, 1936c (10)
<i>Hebertides</i> †† Guinot, De Angeli & Garassino, 2007	(1)	<i>Polycnemidium</i> †† Reuss, 1859 (1)
<i>Jonas</i> Hombron & Jacquinot, 1846		<i>Pseudonecrocarcinus</i> †† Förster, 1968 (5)
[in Hombron & Jacquinot, 1842–1854]	(6)	<i>Shazella</i> †† Collins & Williams, 2004 (1)
<i>Micromithrax</i> †† Noetling, 1881	(1)	
SUPERFAMILY DAIROIDEA † Serène, 1965	(3, 1, 8)	Family Orithopsidae †† Schweitzer, Feldmann, Fam, Hessian, Hetrick, Nyborg & R. L. M. Ross, 2003 (9)
Family Dacryopilumnidae Serène, 1984	(2)	<i>Cherpiocarcinus</i> †† Marangon & De Angeli, 1997 (1)
<i>Dacryopilumnus</i> Nobili, 1906	(2)	<i>Goniochele</i> †† Bell, 1858 (3)
Family Dairidae † Serène, 1965	(1, 1, 8)	<i>Marycarcinus</i> †† Schweitzer, Feldmann, Fam, Hessian, Hetrick, Nyborg & R. L. M. Ross, 2003 (1)
<i>Daira</i> † De Haan, 1833		<i>Orithopsis</i> †† Carter, 1872 (2)
[in De Haan, 1833–1850]	(1, 1, 8)	<i>Paradoxicarcinus</i> †† Schweitzer, Feldmann, Fam, Hessian, Hetrick, Nyborg & R. L. M. Ross, 2003 (1)
SUPERFAMILY ERIPHIOIDEA † MacLeay, 1838		<i>Silvacarcinus</i> †† Collins & Smith, 1993 (1)
		SUPERFAMILY ERIPHIOIDEA † MacLeay, 1838 (62, 5, 14)
Family Dairoididae Števčić, 2005	(3)	Family Dairoididae Števčić, 2005 (3)
		<i>Dairodes</i> Stebbing, 1920 (3)
Family Eriphiidae † MacLeay, 1838	(8, 1, 2)	Family Eriphiidae † MacLeay, 1838 (8, 1, 2)
		<i>Eriphia</i> † Latreille, 1817 (7, 1, 2)
		<i>Eriphides</i> Rathbun, 1897 (1)

Family Hypothalassiidae † Karasawa & Schweitzer, 2006		<i>Mahatha</i> Ng & Tay, 2001	(6)
	(2, 0, 1)	<i>Mainitia</i> Bott, 1969b	(1)
<i>Hypothalassia</i> Gistel, 1848	(2)	<i>Maydelliathelphusa</i> Bott, 1969b	(5)
<i>Lathahyposia</i> †† Schweitzer, Artal, Van Bakel, Jagt & Karasawa, 2007	(1)	<i>Mekhongthelphusa</i> Naiyanetr, 1985	(4)
		<i>Migmathelphusa</i> O. K. S. Chia & Ng, 2006	(1)
		<i>Nautilothelphusa</i> Balss, 1933b	(1)
		<i>Niasathelphusa</i> Ng, 1991c	(1)
		<i>Oziotelphusa</i> Muller, 1887	(16)
		<i>Parathelphusa</i> H. Milne Edwards, 1853	(48)
		<i>Pastilla</i> Ng & Tay, 2001	(1)
		<i>Perbrinckia</i> Bott, 1969b	(13)
		<i>Perithelphusa</i> Man, 1899	(4)
		<i>Phricotelphusa</i> Alcock, 1909b	(11)
		<i>Pilaria</i> Bahir & Yeo, 2007	(1)
		<i>Rouxana</i> Bott, 1969b	(8)
		<i>Salangathelphusa</i> Bott, 1968a	(2)
		<i>Sartoriana</i> Bott, 1969b	(5)
		<i>Sayamia</i> Naiyanetr, 1994	(5)
		<i>Sendleria</i> Bott, 1969b	(4)
		<i>Siamthelphusa</i> Bott, 1968a	(9)
		<i>Snaha</i> Bahir & Yeo, 2007	(2)
		<i>Somanniathelphusa</i> Bott, 1968a	(33)
		<i>Spiralothelphusa</i> Bott, 1968a	(4)
		<i>Stygothelphusa</i> Ng, 1989c	(2)
		<i>Sundathelphusa</i> Bott, 1969b	(27)
		<i>Syntripsa</i> O. K. S. Chia & Ng, 2006	(2)
		<i>Terrathelphusa</i> Ng, 1989b	(6)
		<i>Thaksinthelphusa</i> Ng & Naiyanetr, 1993	(1)
		<i>Thelphusula</i> Bott, 1969b	(9)
		<i>Torhusa</i> Ng, 1997	(1)
		<i>Travancoriana</i> Bott, 1969b	(6)
		<i>Vanni</i> Bahir & Yeo, 2007	(7)
		<i>Vela</i> Bahir & Yeo, 2007	(2)
SUPERFAMILY GECARCINUOIDEA		SUPERFAMILY GONEPLACOIDEA † MacLeay, 1838	
Rathbun, 1904a	(349)		(176, 6, 94)
Family Gecarcinucidae Rathbun, 1904a	(349)	Family Acidopsidae Števčić, 2005	(4)
<i>Adeleana</i> Bott, 1969b	(3)	<i>Acidops</i> Stimpson, 1871a	(2)
<i>Arachnothelphusa</i> Ng, 1991a	(4)	<i>Parapilumnus</i> Kossmann, 1877	(2)
<i>Austrothelphusa</i> Bott, 1969b	(8)		
<i>Bakousa</i> Ng, 1995b	(3)	Family Carinocarcinoididae †† Karasawa & Kato, 2003	(4)
<i>Balssiathelphusa</i> Bott, 1969b	(3)		
<i>Baratha</i> Bahir & Yeo, 2007	(2)	<i>Bicarinocarcinus</i> †† Glaessner & Secretan, 1987	(2)
<i>Barytelphusa</i> Alcock, 1909b	(4)	<i>Carinocarcinoides</i> †† Karasawa & Fudouji, 2000	(2)
<i>Ceylonthelphusa</i> Bott, 1969b	(18)		
<i>Clinothelphusa</i> Ng & Tay, 2001	(1)	Family Chasmocarcinidae † Serène, 1964b	(35, 0, 11)
<i>Coccusa</i> S. H. Tan & Ng, 1998a	(3)	Subfamily Chasmocarcininae † Serène, 1964b	(29, 0, 11)
<i>Currothelphusa</i> Ng, 1990a	(1)	<i>Camatopsis</i> Alcock & Anderson, 1899	(1)
<i>Cylindrotelphusa</i> Alcock, 1909a	(1)	<i>Chasmocarcinops</i> Alcock, 1900b	(1)
<i>Esanthelphusa</i> Naiyanetr, 1994	(8)	<i>Chasmocarcinus</i> † Rathbun, 1898b	(15, 0, 3)
<i>Gecarcinucus</i> Milne Edwards, 1844	(2)	<i>Collinsius</i> †† Karasawa, 1993	(1)
<i>Geelvinkia</i> Bott, 1974	(4)	<i>Falconoplax</i> †† Van Straelen, 1933	(2)
<i>Geithusa</i> Ng, 1989a	(2)	<i>Gillcarcinus</i> †† Collins & Morris, 1978	(1)
<i>Globitelphusa</i> Alcock, 1909b	(4)	<i>Hepthopelta</i> Alcock, 1899a	(10)
<i>Gubernatoriana</i> Bott, 1970b	(2)	<i>Mioplax</i> †† Bittner, 1884	(1)
<i>Heterothelphusa</i> Ng & Lim, 1986	(4)	<i>Orthakrolophos</i> †† Schweitzer & Feldmann, 2001a	(3)
<i>Holthuisiana</i> Bott, 1969b	(12)	<i>Raoulia</i> Ng, 1987	(1)
<i>Inglethelphusa</i> Bott, 1970b	(1)	<i>Typhlocarcinodes</i> Alcock, 1900b	(1)
<i>Irmengardia</i> Bott, 1969b	(4)		
<i>Lamella</i> Bahir & Yeo, 2007	(1)		
<i>Lepidoptelphusa</i> Colosi, 1920	(1)		
<i>Liotelphusa</i> Alcock, 1909b	(5)		

Subfamily <i>Megaesthesiinae</i> Števčić, 2005	(2)	<i>Thyraplax</i> Castro, 2007	(5)
<i>Megaesthesius</i> Rathbun, 1909	(2)		
Subfamily <i>Trogloplacinae</i> Guinot, 1986	(4)	Family Litocheiridae † Števčić, 2005	(3, 0, 5)
<i>Trogloplax</i> Guinot, 1986	(1)	<i>Georgeoplax</i> Türkay, 1983	(1)
<i>Australocarcinus</i> Davie, 1988	(3)	<i>Gollincarcinus</i> †† Beschin & De Angeli, 2004	(1)
Family Conleyidae Števčić, 2005	(1)	<i>Lessinioplax</i> †† Beschin & De Angeli, 2004	(1)
<i>Conleyus</i> Ng & N. K. Ng, 2003	(1)	<i>Litocheira</i> Kinahan, 1856	(2)
Family Euryplacidae † Stimpson, 1871b	(33, 1, 15)	<i>Maingrapsus</i> ††	
<i>Chirinocarcinus</i> †† Karasawa & Schweitzer, 2004	(1)	Tessier, Beschin, Busulini & De Angeli, 1999	(1)
<i>Chlinocephalus</i> †† Ristori, 1886	(2)	<i>Paracoralllicarcinus</i> ††	
<i>Corallicarcinus</i> †† Müller & Collins, 1991	(2)	Tessier, Beschin, Busulini & De Angeli, 1999	(2)
<i>Eucrate</i> † De Haan, 1835 [in De Haan, 1833–1850]			
	(12, 1, 2)		
<i>Euryplax</i> † Stimpson, 1859a	(3, 0, 1)	Family Mathildellidae † Karasawa & Kato, 2003	(22, 0, 32)
<i>Frevillea</i> A. Milne-Edwards, 1880	(3)	<i>Beuroisia</i> Guinot & Richer de Forges, 1981	(3)
<i>Heteroplax</i> Stimpson, 1858b	(5)	<i>Branchioplax</i> †† Rathbun, 1916	(10)
<i>Machaerus</i> Leach, 1818a	(3)	<i>Coeloma</i> †† A. Milne-Edwards, 1865b	(19)
<i>Nancyplax</i> Lemaitre, García-Gómez, von Sternberg & N. H. Campos, 2001	(1)	<i>Intesius</i> Guinot & Richer de Forges, 1981	(4)
<i>Orbitoplax</i> †† Tucker & Feldmann, 1990	(3)	<i>Mathildella</i> Guinot & Richer de Forges, 1981	(5)
<i>Palaeopsopheticus</i> †† C.-H. Hu & Tao, 1996	(1)	<i>Neopilumnoplax</i> Serène, in Guinot, 1969b	(6)
<i>Psopheticoides</i> T. Sakai, 1969	(1)	<i>Platypilumnus</i> Alcock, 1894	(4)
<i>Simonellia</i> †† Vinassa de Regny, 1897	(1)	<i>Tehuacana</i> †† Stenzel, 1944	(3)
<i>Sotoplax</i> Guinot, 1984	(1)		
<i>Stoaplax</i> †† Vega, Cosma, Coutiño, Feldmann, Nyborg, Schweitzer & Waugh, 2001	(1)	Family Martinocarcinidae ††	
<i>Trizocarcinus</i> Rathbun, 1914b	(3)	Schweitzer, Feldmann & Bonadio, 2009	(1)
<i>Viaplax</i> †† Karasawa & Kato, 2003	(1)	<i>Martinocarcinus</i> †† Böhm, 1922	(1)
<i>Xenocrate</i> Ng & Castro, 2007	(1)		
Family Goneplacidae † MacLeay, 1838	(68, 5, 26)	Family Progeryonidae Števčić, 2005	(7)
Subfamily <i>Bathyplacinae</i> Števčić, 2005	(1)	<i>Paragalene</i> Kossmann, 1878	(1)
<i>Bathyplax</i> A. Milne-Edwards, 1880	(1)	<i>Progeryon</i> Bouvier, 1922	(5)
Subfamily <i>Goneplacinae</i> † MacLeay, 1838	(67, 5, 26)	<i>Rhadinoplax</i> Castro & Ng, 2008	(1)
<i>Amydrocarcinus</i> †† Schweitzer, Feldmann, Gonzáles-Barba & Vega, 2002	(1)		
<i>Carcinoplax</i> † H. Milne Edwards, 1852	(19, 2, 12)	Family Scalopidiidae Števčić, 2005	(2)
<i>Entricoplax</i> Castro, 2007	(1)	<i>Scalopidia</i> Stimpson, 1858b	(2)
<i>Exopheticus</i> Castro, 2007	(2)		
<i>Goneplacoides</i> Castro, 2007	(1)	Family Vultocinidae Ng & Manuel-Santos, 2007	(1)
<i>Goneplax</i> † Leach, 1814 [in Leach, 1813–1815]	(3, 1, 5)	<i>Vultocinus</i> Ng & Manuel-Santos, 2007	(1)
<i>Hadroplax</i> Castro, 2007	(2)		
<i>Icriocarcinus</i> †† Bishop, 1988c	(1)	SUPERFAMILY HEXAPODOIDEA † Miers, 1886	
<i>Kowaicarcinus</i> †† Feldmann, Schweitzer, Maxwell & Kelley, 2008	(1)	(20, 1, 25)	
<i>Magyarcarinus</i> †† Schweitzer & Karasawa, 2004	(1)		
<i>Menoplax</i> Castro, 2007	(1)	Family Hexapodidae † Miers, 1886	(20, 1, 25)
<i>Microgoneplax</i> Castro, 2007	(5)	<i>Goniocypoda</i> †† Woodward, 1867	(10)
<i>Neogoneplax</i> Castro, 2007	(3)	<i>Hexalaughlia</i> Guinot, 2006	(2)
<i>Neommatocarcinus</i> Takeda & Miyake, 1969a	(1)	<i>Hexaplinus</i> Manning & Holthuis, 1981	(3)
<i>Notonyx</i> A. Milne-Edwards, 1873c	(5)	<i>Hexaplex</i> Doflein, 1904	(1)
<i>Ommatocarcinus</i> † White, 1852	(3, 1, 4)	<i>Hexapus</i> † De Haan, 1833 [in De Haan, 1833–1850]	(4, 1, 4)
<i>Paragoneplax</i> Castro, 2007	(1)	<i>Lambdophallus</i> Alcock, 1900b	(1)
<i>Psopheticus</i> † Wood-Mason, 1892	(3, 1, 1)	<i>Latohexapus</i> Huang, Hsueh & Ng, 2002	(1)
<i>Pycnoplax</i> Castro, 2007	(5)	<i>Paeduma</i> Rathbun, 1897	(1)
<i>Singhaplax</i> Serène & Soh, 1976	(7)	<i>Palaeopinnixa</i> †† Vía, 1959	(10)
		<i>Parahexapus</i> Balss, 1922	(1)
		<i>Pseudohexapus</i> Monod, 1956	(1)
		<i>Spiroplax</i> Manning & Holthuis, 1981	(1)
		<i>Stevea</i> † Manning & Holthuis, 1981	(1, 0, 1)
		<i>Thaumastoplax</i> Miers, 1881	(1)
		<i>Tritoplax</i> Manning & Holthuis, 1981	(2)

SUPERFAMILY LEUCOSIOIDEA † Samouelle, 1819		
	(452, 36, 113)	
Family Iphiculidae † Alcock, 1896	(5, 0, 10)	
<i>Iphiculus</i> † Adams & White, 1849	(2, 0, 3)	
<i>Pariphiculus</i> † Alcock, 1896	(3, 0, 7)	
Family Leucosiidae † Samouelle, 1819	(447, 36, 103)	
Subfamily Cryptocneminae Stimpson, 1907	(26)	
<i>Cryptocnemus</i> Stimpson, 1858c	(21)	
<i>Leucisca</i> MacLeay, 1838	(3)	
<i>Lissomorpha</i> Ward, 1933	(1)	
<i>Onychomorpha</i> Stimpson, 1858c	(1)	
Subfamily Ebaliinae † Stimpson, 1871b	(353, 31, 62)	
<i>Acanthilia</i> Galil, 2000a	(1)	
<i>Alox</i> C. G. S. Tan & Ng, 1995	(12)	
<i>Ancylodactyla</i> Galil, 2004	(3)	
<i>Afrophila</i> Galil, 2009	(1)	
<i>Arcania</i> † Leach, 1817b	(14, 5, 1)	
<i>Atlantolocia</i> Galil, 2009	(1)	
<i>Atlantophila</i> Galil, 2009	(1)	
<i>Atlantotlos</i> Doflein, 1904	(1)	
<i>Bellidilia</i> Kinahan, 1856	(3)	
<i>Callidactylus</i> Stimpson, 1871b	(1)	
<i>Cateios</i> C. G. S. Tan & Ng, 1993	(1)	
<i>Dolos</i> C. G. S. Tan & Richer de Forges, 1993	(1)	
<i>Ebalia</i> † Leach, 1817b	(65, 6, 12)	
<i>Ebaliopsis</i> Ihle, 1918	(2)	
<i>Favus</i> Lanchester, 1900	(1)	
<i>Galilia</i> Ng & Richer de Forges, 2007	(1)	
<i>Heterolithadia</i> Alcock, 1896	(1)	
<i>Heteronucia</i> † Alcock, 1896	(16, 1, 0)	
<i>Hiplyra</i> Galil, 2009	(6)	
<i>Ihleus</i> Ovaere, 1989	(2)	
<i>Ilia</i> † Leach, 1817b	(2, 1, 2)	
<i>Iliacantha</i> † Stimpson, 1871b	(5, 0, 1)	
<i>Ixa</i> † Leach, 1817b	(8, 1, 0)	
<i>Leucosilia</i> † Bell, 1855	(1, 1, 1)	
<i>Lithadia</i> Bell, 1855	(8)	
<i>Lyphira</i> Galil, 2009	(4)	
<i>Merocryptoides</i> T. Sakai, 1963	(3)	
<i>Merocryptus</i> A. Milne-Edwards, 1873b	(4)	
<i>Myra</i> † Leach, 1817b	(15, 3, 9)	
<i>Myrine</i> Galil, 2001a	(2)	
<i>Myropsis</i> Stimpson, 1871b	(1)	
<i>Nobiliela</i> Komatsu & Takeda, 2003	(2)	
<i>Nucia</i> † Dana, 1852c	(5, 1, 6)	
<i>Nuciops</i> Serène & Soh, 1976	(1)	
<i>Nursia</i> † Leach, 1817b	(19, 1, 1)	
<i>Nursilia</i> Bell, 1855	(3)	
<i>Oreophorus</i> Rüpell, 1830	(5)	
<i>Oreotlos</i> Ihle, 1918	(12)	
<i>Orientotlos</i> T. Sakai, 1980	(1)	
<i>Paranursia</i> † Serène & Soh, 1976	(1, 0, 1)	
<i>Parilia</i> Wood-Mason & Alcock, 1891	(4)	
<i>Persephona</i> † Leach, 1817b	(8, 2, 7)	
<i>Philyra</i> † Leach, 1817b	(29, 6, 12)	
<i>Praebebalia</i> Rathbun, 1911	(14)	
<i>Praosia</i> C. G. S. Tan & Ng, 1993	(1)	
Pseudomyra Capart, 1951		(1)
Pseudophilyra † Miers, 1879b		(15, 0, 2)
Pyrhila Galil, 2009		(3)
Randallia † Stimpson, 1857a		(8, 1, 5)
Raylilia Galil, 2001b		(5)
Ryphila Galil, 2009		(2)
Speloeophoroides Melo & Torres, 1998		(1)
Speleophorus † A. Milne-Edwards, 1865b		(9, 0, 1)
Tanaoa Galil, 2003a		(7)
Tlos Adams & White, 1849		(1)
Tokoyo † Galil, 2003a		(1, 1, 1)
Toru Galil, 2003a		(5)
Uhlias † Stimpson, 1871a		(1, 1, 0)
Urashima Galil, 2003a		(2)
Subfamily Leucosiinae † Samouelle, 1819		(68, 5, 11)
<i>Coleusia</i> Galil, 2006a		(5)
<i>Euclosia</i> † Galil, 2003b		(8, 2, 0)
<i>Leucosia</i> † Weber, 1795		(23, 2, 11)
<i>Seulocia</i> Galil, 2005b		(10)
<i>Soceulia</i> Galil, 2006b		(4)
<i>Urnalana</i> † Galil, 2005a		(18, 1, 0)
Unplaced at subfamily level ††		(30)
<i>Ampliura</i> †† Morris & Collins, 1991		(1)
<i>Andorina</i> †† Lörenthey, 1901		(1)
<i>Duncania</i> †† Portell & Collins, 2004		(1)
<i>Gemmamacrinus</i> †† Müller & Collins, 1991		(2)
<i>Hepatinulus</i> †† Ristori, 1886		(2)
<i>Nucilobus</i> †† Morris & Collins, 1991		(2)
<i>Palaeomyra</i> †† A. Milne-Edwards, in Sismonda, 1861		(2)
<i>Pterocarcinus</i> †† Blow, 2003		(1)
<i>Typilobus</i> †† Stoliczka, 1871		(18)
SUPERFAMILY MAJOIDEA † Samouelle, 1819		
		(950, 30, 89)
Family Epialtidae † MacLeay, 1838		(375, 15, 20)
Subfamily Epialtinae † MacLeay, 1838		(112, 3, 11)
<i>Acanthonyx</i> Latreille, 1829		(19)
<i>Actinotocarcinus</i> †† Jenkins, 1974		(2)
<i>Alcockia</i> Števčić, 2005		(1)
<i>Antilibinia</i> MacLeay, 1838		(1)
<i>Cyclonyx</i> Miers, 1879a		(1)
<i>Eoinachoides</i> †† Van Straelen, 1933		(2)
<i>Epialtoides</i> Garth, 1958		(5)
<i>Epialtus</i> † H. Milne Edwards, 1854		
[in H. Milne Edwards, 1834–1840]		(11, 0, 1)
<i>Esopus</i> A. Milne-Edwards, 1875		
[in A. Milne-Edwards, 1873–1880]		(1)
<i>Eupleurodon</i> Stimpson, 1871a		(3)
<i>Goniothorax</i> A. Milne-Edwards, 1879a		(1)
<i>Griffinia</i> Richer de Forges, 1994		(3)
<i>Huenia</i> De Haan, 1837 [in De Haan, 1833–1850]		(8)
<i>Leucippa</i> H. Milne Edwards, 1834		
[in H. Milne Edwards, 1834–1840]		(1)
<i>Lophorochinia</i> Garth, 1969		(1)
<i>Menaethiops</i> Alcock, 1895		(15)
<i>Menaethius</i> H. Milne Edwards, 1834		
[in H. Milne Edwards, 1834–1840]		(2)
<i>Mimulus</i> Stimpson, 1860b		(1)

<i>Mocosoa</i> Stimpson, 1871b	(1)	<i>Pisoides</i> † H. Milne Edwards & Lucas, 1843 [in H. Milne Edwards & Lucas, 1842–1844]	83
<i>Nanomaja</i> †† Müller & Collins, 1991	(1)		(2, 2, 0)
<i>Panticarcinus</i> †† Collins & Saward, 2006	(1)	<i>Rhinocarcinus</i> Richer de Forges & Ng, 2009b	(1)
<i>Periacanthus</i> †† Bittner, 1875	(4)	<i>Rochinia</i> † A. Milne-Edwards, 1875 [in A. Milne-Edwards, 1873–1880]	(35, 0, 1)
<i>Perinia</i> Dana, 1851c	(2)	<i>Scyra</i> † Dana, 1851c	(2, 1, 0)
<i>Pugettia</i> † Dana, 1851c	(16, 3, 0)	<i>Sphenocarcinus</i> A. Milne-Edwards, 1878 [in A. Milne-Edwards, 1873–1880]	(1)
<i>Sargassocarcinus</i> Ward, 1936	(1)	<i>Stegopleurodon</i> Richer de Forges & Ng, 2009b	(1)
<i>Simocarcinus</i> Miers, 1879a	(9)	<i>Thusaenys</i> Griffin & Tranter, 1986	(5)
<i>Taliepus</i> A. Milne-Edwards, 1878 [in A. Milne-Edwards, 1873–1880]	(3)	<i>Trachymaia</i> A. Milne-Edwards, 1880 [in A. Milne-Edwards, 1873–1880]	(1)
<i>Xenocarcinus</i> White, 1847d	(6)	<i>Tylocarcinus</i> † Miers, 1879a	(4, 1, 0)
Subfamily Pisinae † Dana, 1851g	(237, 11, 9)	Subfamily Pliosomatinae Števčić, 1994	(1)
<i>Acanthophrys</i> A. Milne-Edwards, 1865a	(4)	<i>Pliosoma</i> Stimpson, 1860b	(1)
<i>Anamathia</i> Smith, 1885c	(1)	Subfamily Tychinae † Dana, 1851g	(25, 1, 0)
<i>Apias</i> Rathbun, 1897	(1)	<i>Criocarcinus</i> H. Milne Edwards, 1834 [in H. Milne Edwards, 1834–1840]	(1)
<i>Apiomithrax</i> Rathbun, 1897	(2)	<i>Picrocerus</i> A. Milne-Edwards, 1865a	(1)
<i>Austrolibinia</i> Griffin, 1966	(4)	<i>Pitho</i> † Bell, 1836	(9, 1, 0)
<i>Chorilia</i> † Dana, 1851c	(3, 0, 1)	<i>Stilbognathus</i> von Martens, 1866	(7)
<i>Chorilbinia</i> Lockington, 1877a	(1)	<i>Stilbomastax</i> Williams, Shaw & Hopkins, 1977	(1)
<i>Chorinus</i> Latreille, 1825b	(1)	<i>Tyche</i> Bell, 1836	(6)
<i>Delsolaria</i> Garth, 1973	(1)	Family Hymenosomatidae MacLeay, 1838	(124)
<i>Doclea</i> Leach, 1815	(11)	<i>Amarinus</i> Lucas, 1980	(11)
<i>Garthinia</i> Richer de Forges & Ng, 2009a	(1)	<i>Apechocinus</i> Ng & Chuang, 1996	(1)
<i>Giranauria</i> Griffin & Tranter, 1986	(3)	<i>Cancrocaeca</i> Ng, 1991b	(1)
<i>Goniopugettia</i> T. Sakai, 1986	(2)	<i>Crustaenia</i> Ng & Chuang, 1996	(1)
<i>Guinotinia</i> Richer de Forges & Ng, 2009a	(2)	<i>Elamena</i> H. Milne Edwards, 1837 [in H. Milne Edwards, 1834–1840]	(25)
<i>Herbstia</i> † H. Milne Edwards, 1834 [in H. Milne Edwards, 1834–1840]	(11, 0, 1)	<i>Elamenopsis</i> A. Milne-Edwards, 1873c	(4)
<i>Holoplites</i> Rathbun, 1894c	(1)	<i>Guaplax</i> Naruse, Ng & Guinot, 2008	(1)
<i>Hoplophrys</i> Henderson, 1893	(1)	<i>Halicarcinides</i> Lucas, 1980	(1)
<i>Hyastenus</i> † White, 1847a	(37, 1, 1)	<i>Halicarcinus</i> White, 1846a	(30)
<i>Lahaina</i> Dana, 1851c	(5)	<i>Halimena</i> Melrose, 1975	(1)
<i>Laubierinia</i> Richer de Forges & Ng, 2009a	(2)	<i>Hymenicoides</i> Kemp, 1917	(3)
<i>Lepidonaxia</i> Targioni Tozzetti, 1877	(1)	<i>Hymenosoma</i> A. G. Desmarest, 1823	(5)
<i>Lepteces</i> Rathbun, 1893a	(1)	<i>Limnopilos</i> Chuang & Ng, 1991	(3)
<i>Leptomaia</i> Griffin & Tranter, 1986	(1)	<i>Micas</i> Ng & Richer de Forges, 1996	(2)
<i>Libidoclaea</i> H. Milne Edwards & Lucas, 1842 [in H. Milne Edwards & Lucas, 1842–1844]	(2)	<i>Neohymenicus</i> Lucas, 1980	(1)
<i>Libinia</i> † Leach, 1815	(9, 3, 2)	<i>Neorhynchoplax</i> T. Sakai, 1933	(28)
<i>Lissa</i> Leach, 1815	(1)	<i>Odiomaris</i> Ng & Richer de Forges, 1996	(2)
<i>Loxorhynchus</i> † Stimpson, 1857a	(1, 2, 1)	<i>Sulaplax</i> Naruse, Ng & Guinot, 2008	(1)
<i>Lyramaia</i> Griffin & Tranter, 1986	(1)	<i>Trigonoplax</i> H. Milne Edwards, 1853	(3)
<i>Micippoides</i> A. Milne-Edwards, 1873b	(1)	Family Inachidae † MacLeay, 1838	(204, 1, 8)
<i>Microlissa</i> Pretzmann, 1961	(5)	<i>Achaeopsis</i> Stimpson, 1857b	(1)
<i>Micropisa</i> Stimpson, 1857b	(1)	<i>Achaeus</i> † Leach, 1815 [in Leach, 1815–1875]	(37, 0, 2)
<i>Nasutocarcinus</i> Tavares, 1991	(4)	<i>Anisonotus</i> A. Milne-Edwards, 1879 [in A. Milne-Edwards, 1873–1880]	(2)
<i>Naxioides</i> A. Milne-Edwards, 1865a	(10)	<i>Anomalothir</i> Miers, 1879c	(3)
<i>Neodoclea</i> Buitendijk, 1950	(1)	<i>Bothromaia</i> Williams & Moffitt, 1991	(1)
<i>Nibilia</i> A. Milne-Edwards, 1878 [in A. Milne-Edwards, 1873–1880]	(1)	<i>Calypsachaeus</i> Manning & Holthuis, 1981	(1)
<i>Nicoya</i> Wicksten, 1987	(1)	<i>Capartiella</i> Manning & Holthuis, 1981	(1)
<i>Notolopas</i> Stimpson, 1871a	(3)	<i>Chalaroacheus</i> De Man, 1902	(1)
<i>Oplopisa</i> A. Milne-Edwards, 1879 [in A. Milne-Edwards, 1873–1880]	(1)		
<i>Oxypleurodon</i> Miers, 1886	(23)		
<i>Pelia</i> Bell, 1836	(6)		
<i>Phalangipus</i> Latreille, 1825b	(9)		
<i>Pisa</i> † Leach, 1814 [in Leach, 1813–1815]	(8, 1, 2)		

<i>Chorinachus</i> Griffin & Tranter, 1986	(1)	<i>Kimbla</i> Griffin & Tranter, 1986	(2)
<i>Coryynchus</i> Kingsley, 1879b	(7)	<i>Leptomithrax</i> † Miers, 1876	(13, 1, 8)
<i>Cyrtomaia</i> Miers, 1886	(29)	<i>Maiopsis</i> Faxon, 1893	(1)
<i>Dorhynchus</i> Wyville Thomson, 1873	(5)	<i>Maja</i> † Lamarck, 1801	(18, 2, 12)
<i>Dumea</i> Loh & Ng, 1999	(2)	<i>Majella</i> Ortmann, 1893a	(1)
<i>Encephalooides</i> Wood-Mason & Alcock, 1891	(1)	<i>Microhalimus</i> Haswell, 1880	(1)
<i>Ephippias</i> Rathbun, 1918b	(1)	<i>Naxia</i> Latreille, 1825b	(4)
<i>Ergasticus</i> A. Milne-Edwards, 1882b	(1)	<i>Notomithrax</i> † Griffin, 1963	(4, 0, 2)
<i>Ericerodes</i> Rathbun, 1897	(9)	<i>Paraentomonyx</i> T. Sakai, 1983	(1)
<i>Erileptus</i> Rathbun, 1893b	(1)	<i>Paramithrax</i> H. Milne Edwards, 1837	
<i>Eucinetops</i> Stimpson, 1860b	(4)	[in H. Milne Edwards, 1834–1840]	(1)
<i>Euryopodius</i> Guérin, 1825	(2)	<i>Pippacirama</i> Griffin & Tranter, 1986	(1)
<i>Grypacheus</i> Alcock, 1895	(2)	<i>Prismatopus</i> Ward, 1933	(12)
<i>Inachus</i> † Weber, 1795	(12, 1, 1)	<i>Schizophroidea</i> † T. Sakai, 1933	(2, 0, 1)
<i>Litosus</i> Loh & Ng, 1999	(2)	<i>Schizophrys</i> † White, 1848	(6, 0, 1)
<i>Macrocheira</i> † De Haan, 1839 [in De Haan, 1833–1850]	(1, 0, 4)	<i>Seiitaooides</i> Griffin & Tranter, 1986	(2)
<i>Macropodia</i> Leach, 1814 [in Leach, 1813–1815]	(19)	<i>Temnonotus</i> A. Milne-Edwards, 1875	
<i>Metoporhaphis</i> Stimpson, 1860b	(1)	[in A. Milne-Edwards, 1873–1880]	(2)
<i>Oncinopus</i> De Haan, 1839 [in De Haan, 1833–1850]	(5)	<i>Teratomaia</i> Griffin & Tranter, 1986	(1)
<i>Paratymolus</i> Miers, 1879c	(9)	<i>Thersandrus</i> Rathbun, 1897	(1)
<i>Physacheus</i> Alcock, 1895	(2)	<i>Tumulosternum</i> McCulloch, 1913	(3)
<i>Platymaia</i> Miers, 1886	(10)	<i>Wilsonimaia</i> †† Blow & Manning, 1996	(2)
<i>Pleistacantha</i> Miers, 1879b	(14)	Subfamily <i>Micromaiinae</i> †† Beurlen, 1930b	(16)
<i>Podochela</i> Stimpson, 1860b	(4)	<i>Micromaiia</i> †† Bittner, 1875	(11)
<i>Prosphorachaeus</i> Takeda & Miyake, 1969b	(4)	<i>Mithracia</i> †† Bell, 1858	(4)
<i>Rhinospinosa</i> Griffin & Tranter, 1986	(1)	<i>Pisomaja</i> †† Lörenthay,	
<i>Stenorhynchus</i> † Lamarck, 1818	(4, 0, 1)	in Lörenthay & Beurlen, 1929	(1)
<i>Sunipea</i> Griffin & Tranter, 1986	(1)	Subfamily <i>Mithracinae</i> † MacLeay, 1838	(98, 8, 11)
<i>Trichoplatus</i> A. Milne-Edwards, 1879b	(1)	<i>Ala</i> Lockington, 1877a	(1)
<i>Vitjazmaia</i> Zarenkov, 1994	(1)	<i>Antarctomithrax</i> †† Feldmann, 1994	(1)
 		<i>Coelocerus</i> A. Milne-Edwards, 1875	
Family Inachoididae † Dana, 1851g	(39, 1, 3)	[in A. Milne-Edwards, 1873–1880]	(1)
<i>Aepinus</i> Rathbun, 1897	(1)	<i>Cyclocoeloma</i> Miers, 1880	(1)
<i>Anasimus</i> A. Milne-Edwards, 1880		<i>Cyphocarcinus</i> A. Milne-Edwards, 1868	(6)
[in A. Milne-Edwards, 1873–1880]	(2)	<i>Leptopisa</i> Stimpson, 1871b	(3)
<i>Arachnopsis</i> Stimpson, 1871b	(1)	<i>Macrocoeloma</i> Miers, 1879c	(14)
<i>Batrachonotus</i> Stimpson, 1871b	(1)	<i>Micippa</i> † Leach, 1817a	(9, 1, 2)
<i>Collodes</i> Stimpson, 1860b	(14)	<i>Microphrys</i> Milne Edwards, 1851	(9)
<i>Euprognatha</i> † Stimpson, 1871b	(6, 0, 1)	<i>Mithraculus</i> † White, 1847c	(7, 2, 0)
<i>Inachoides</i> H. Milne Edwards & Lucas, 1842		<i>Mithrax</i> † A. G. Desmarest, 1823	(12, 4, 2)
[in H. Milne Edwards & Lucas, 1842–1844]	(4)	<i>Nemausa</i> † A. Milne-Edwards, 1875	
<i>Eurocyclus</i> † Rathbun, 1897	(2, 0, 1)	[in A. Milne-Edwards, 1873–1880]	(2, 1, 0)
<i>Paradasyggyius</i> Garth, 1958	(2)	<i>Paranaxia</i> Rathbun, 1924	(1)
<i>Pyromaia</i> † Stimpson, 1871b	(6, 1, 1)	<i>Picroceroides</i> Miers, 1886	(1)
 		<i>Stenocionops</i> † A. G. Desmarest, 1823	(8, 0, 3)
Family Majidae † Samouelle, 1819	(194, 12, 53)	<i>Teleophrys</i> † Stimpson, 1860a	(4, 0, 1)
Subfamily <i>Eurynolambrinae</i> Števčić, 1994	(1)	<i>Thoe</i> † Bell, 1836	(5, 0, 2)
<i>Eurynolambrus</i> H. Milne Edwards & Lucas, 1841	(1)	<i>Tiarinia</i> Dana, 1851c	(14)
Subfamily <i>Majinae</i> † Samouelle, 1819	(91, 4, 26)	Subfamily <i>Planoterginae</i> Števčić, 1991	(4)
<i>Ageitomaia</i> Griffin & Tranter, 1986	(1)	<i>Hemus</i> A. Milne-Edwards, 1875	
<i>Anacinetops</i> Miers, 1879c	(1)	[in A. Milne-Edwards, 1873–1880]	(3)
<i>Choniognathus</i> Rathbun, 1932	(4)	<i>Planotergum</i> Balss, 1935	(1)
<i>Cyclax</i> Dana, 1851c	(2)	 	
<i>Entomonyx</i> Miers, 1884	(1)	Family Oregoniidae † Garth, 1958	(14, 1, 5)
<i>Eurynome</i> Leach, 1814 [in Leach, 1813–1815]	(5)	<i>Chionoecetes</i> Krøyer, 1838	(7)
<i>Jacquinotia</i> † Rathbun, 1915	(0, 1, 0)	<i>Hyas</i> † Leach, 1814 [in Leach, 1813–1815]	(4, 1, 4)
<i>Kasagia</i> Richer de Forges & Ng, 2007	(1)	<i>Macroregonia</i> T. Sakai, 1978	(1)
		<i>Oregonia</i> † Dana, 1851c	(2, 0, 1)

SUPERFAMILY ORITHYIOIDEA Dana, 1852c	(1)	<i>Mimilambrus</i> Williams, 1979	(1)
Family Orithyidae Dana, 1853	(1)	<i>Neikolambrus</i> S. H. Tan & Ng, 2003	(1)
<i>Orithya</i> Fabricius, 1798	(1)	<i>Nodolambrus</i> S. H. Tan & Ng, 2007a	(1)
SUPERFAMILY PALICOIDEA † Bouvier, 1898	(63, 0, 6)	<i>Ochtholambrus</i> S. H. Tan & Ng, 2007a	(3)
		<i>Parthenope</i> † Weber, 1795	(3, 0, 13)
		<i>Parthenopoides</i> Miers, 1879c	(1)
		<i>Patulambrus</i> S. H. Tan & Ng, 2007a	(2)
		<i>Phrynomlambrus</i> †† Bittner, 1893	(4)
		<i>Piloslambrus</i> S. H. Tan & Ng, 2007a	(3)
		<i>Platylambrus</i> † Stimpson, 1871b	(2, 0, 4)
		<i>Pseudolambrus</i> Paul'son, 1875	(16)
		<i>Rhinolambrus</i> † A. Milne-Edwards, 1878	
		[in A. Milne-Edwards, 1873–1880]	(12, 1, 1)
		<i>Solenolambrus</i> Stimpson, 1871b	(6)
		<i>Spinolambrus</i> S. H. Tan & Ng, 2007a	(8)
		<i>Tutankhamen</i> † Rathbun, 1925	(1, 0, 1)
		<i>Velolambrus</i> S. H. Tan & Ng, 2007a	(2)
		<i>Zarenkolambrus</i> McLay & S. H. Tan, 2009	(2)
		Unplaced at subfamily level ††	(2)
		<i>Branchiolambrus</i> †† Rathbun, 1908	(1)
		<i>Mesolambrus</i> †† Müller & Collins, 1991	(1)
SUPERFAMILY PARTHENOPOIDEA † MacLeay, 1838	(139, 5, 36)	SUPERFAMILY PILUMNOIDEA † Samouelle, 1819	
			(395, 10, 47)
Family Parthenopidae † MacLeay, 1838	(139, 5, 36)	Family Galenidae † Alcock, 1898	(9, 3, 4)
Subfamily Daldorfiinae † Ng & Rodríguez, 1986	(17, 0, 5)	Subfamily Denthoxanthinae Števčić, 2005	(1)
<i>Daldorfia</i> † Rathbun, 1904b	(12, 0, 5)	<i>Dentoxanthus</i> Stephensen, 1946	(1)
<i>Niobafia</i> S. H. Tan & Ng, 2007b	(1)	Subfamily Galeninae † Alcock, 1898	(0, 1, 4)
<i>Olenorfia</i> S. H. Tan & Ng, 2007b	(1)	<i>Galene</i> † De Haan, 1833 [in De Haan, 1833–1850]	(0, 1, 4)
<i>Thyrolambrus</i> Rathbun, 1894a	(3)	Subfamily Halimedinae † Alcock, 1898	(2, 2, 0)
Subfamily Parthenopinae † MacLeay, 1838	(122, 5, 29)	<i>Halimede</i> † De Haan, 1835 [in De Haan, 1833–1850]	(2, 2, 0)
<i>Acantholambrus</i> †† Blow & Manning, 1996	(1)	Subfamily Parapanopinae Števčić, 2005	(6)
<i>Agolambrus</i> S. H. Tan & Ng, 2007a	(1)	<i>Parapanope</i> De Man, 1895a	(6)
<i>Aulacolambrus</i> Paul'son, 1875	(8)	Family Pilumnidae † Samouelle, 1819	(384, 7, 43)
<i>Bittnerilia</i> †† De Angeli & Garassino, 2003	(2)	Subfamily Calmaniinae Števčić, 1991	(5)
<i>Celatopesia</i> Chiong & Ng, 1998	(2)	<i>Calmania</i> Laurie, 1906	(5)
<i>Certolambrus</i> S. H. Tan & Ng, 2003	(1)	Subfamily Eumedoninae † Dana, 1853	(32, 0, 2)
<i>Costalambrus</i> S. H. Tan & Ng, 2007a	(1)	<i>Ceratocarcinus</i> Adams & White, in White, 1847a	(3)
<i>Cryptopodia</i> H. Milne Edwards, 1837		<i>Echinoecus</i> Rathbun, 1894c	(3)
[in H. Milne Edwards, 1834–1840]	(13)	<i>Eumedonous</i> H. Milne Edwards, 1837	
<i>Derilambrus</i> † S. H. Tan & Ng, 2007a	(0, 1, 0)	[in H. Milne Edwards, 1834–1840]	(5)
<i>Distolambrus</i> S. H. Tan & Ng, 2007a	(1)	<i>Gonatonotus</i> Adams & White, in White, 1847a	(3)
<i>Enoplolambrus</i> † A. Milne-Edwards, 1878		<i>Hapalonotus</i> Rathbun, 1897	(1)
[in A. Milne-Edwards, 1873–1880]	(6, 1, 0)	<i>Harrovia</i> Adams & White, 1849	(7)
<i>Furtipodia</i> S. H. Tan & Ng, 2003	(2)	<i>Permanotus</i> D. G. B. Chia & Ng, 1998	(1)
<i>Garthambrus</i> Ng, 1996b		<i>Rhabdonotus</i> Milne-Edwards, 1879a	(3)
<i>Heterocrypta</i> Stimpson, 1871a	(5)	<i>Santeella</i> †† Blow & Manning, 1996	(1)
<i>Hispidolambrus</i> McLay & S. H. Tan, 2009	(1)	<i>Tauropus</i> D. G. B. Chia & Ng, 1998	(1)
<i>Hypolambrus</i> S. H. Tan & Ng, 2007a	(1)	<i>Tiaramedon</i> D. G. B. Chia & Ng, 1998	(1)
<i>Lambrachaeus</i> Alcock, 1895	(1)	<i>Viacarcinus</i> †† Blow & Manning, 1996	(1)
<i>Latulambrus</i> † S. H. Tan & Ng, 2007a	(0, 1, 0)	<i>Zebrida</i> White, 1847b	(3)
<i>Leiolambrus</i> † A. Milne-Edwards, 1878		<i>Zebridonus</i> D. G. B. Chia, Ng & Castro, 1995	(1)
[in A. Milne-Edwards, 1873–1880]	(2, 0, 1)	Subfamily Pilumninae † Samouelle, 1819	(278, 7, 35)
<i>Mesorhoea</i> † Stimpson, 1871b	(1, 1, 2)	<i>Actumnus</i> † Dana, 1851e	(27, 1, 2)
		<i>Aniptumnus</i> Ng, 2002b	(2)

<i>Bathypilumnus</i> Ng & L. W. H. Tan, 1984	(3)	<i>Xenopthalmodes</i> Richters, 1880	(5)
<i>Benthopanope</i> Davie, 1989a	(6)		
<i>Budapanopeus</i> † Müller & Collins, 1991	(1)		
<i>Cryptopilumnus</i> Hsueh, Huang & Ng, 2009	(3)		
<i>Danielum</i> Vázquez-Bader & Gracia, 1995	(1)		
<i>Eohalimede</i> †† Blow & Manning, 1996	(3)		
<i>Eopilumnus</i> ††			
Beschin, Busulini, De Angeli & Tessier, 2002	(1)		
<i>Eumorphactaea</i> †† Bittner, 1875	(2)		
<i>Eurycarcinus</i> A. Milne-Edwards, 1867	(3)		
<i>Galenopsis</i> †† A. Milne-Edwards, 1865b	(12)		
<i>Glabropilumnus</i> † Balss, 1932	(5, 1, 3)		
<i>Gorgonariana</i> Galil & Takeda, 1988	(1)		
<i>Heteropanope</i> † Stimpson, 1858a	(5, 0, 1)		
<i>Heteropilumnus</i> De Man, 1895a	(19)		
<i>Latopilumnus</i> Türkay & Schuhmacher, 1985	(6)		
<i>Lentilumnus</i> Galil & Takeda, 1988	(2)		
<i>Lobogalenopsis</i> †† Müller & Collins, 1991	(1)		
<i>Lobopilumnus</i> A. Milne-Edwards, 1880 [in A. Milne-Edwards, 1873–1880]	(4)		
<i>Lophopilumnus</i> Miers, 1886	(3)		
<i>Nanopilumnus</i> Takeda, 1974	(6)		
<i>Neoactumnus</i> T. Sakai, 1965	(2)		
<i>Parapleurophrycooides</i> Nobili, 1906	(1)		
<i>Pilumnopeus</i> † A. Milne-Edwards, 1867	(12, 0, 3)		
<i>Pilumnus</i> † Leach, 1816a	(140, 5, 6)		
<i>Priapipilumnus</i> Davie, 1989b	(1)		
<i>Pseudactumnus</i> Balss, 1933a	(1)		
<i>Serenepilumnus</i> Türkay & Schuhmacher, 1985	(4)		
<i>Serenolumnus</i> Galil & Takeda, 1988	(1)		
<i>Takedana</i> Davie, 1989b	(1)		
<i>Viaderiana</i> Ward, 1942	(17)		
<i>Xestopilumnus</i> Ng & Dai, 1997	(1)		
<i>Xlumnus</i> Galil & Takeda, 1988	(1)		
Subfamily <i>Rhizopiniae</i> † Stimpson, 1858b	(64, 0, 5)		
<i>Caecopilumnus</i> Borradaile, 1902b	(3)		
<i>Camptoplax</i> Miers, 1884	(1)		
<i>Ceratoplax</i> Stimpson, 1858b	(8)		
<i>Cryptocoeloma</i> Miers, 1884	(1)		
<i>Cryptolutea</i> † Ward, 1936	(5, 0, 2)		
<i>Itampolus</i> Serène & Peyrot-Clausade, 1977	(1)		
<i>Lophoplax</i> Tesch, 1918	(4)		
<i>Luteocarcinus</i> Ng, 1990b	(1)		
<i>Mertonia</i> Laurie, 1906	(2)		
<i>Paranotonyx</i> Nobili, 1905	(1)		
<i>Paraselwynia</i> Tesch, 1918	(1)		
<i>Peleianus</i> Serène, 1971	(1)		
<i>Pronotonyx</i> Ward, 1936	(1)		
<i>Rhizopa</i> Stimpson, 1858b	(1)		
<i>Pseudocryptocoeloma</i> Ward, 1936	(2)		
<i>Pseudolitochira</i> Ward, 1942	(2)		
<i>Rhizopoides</i> Ng, 1987	(1)		
<i>Selwynia</i> Borradaile, 1903a	(1)		
<i>Ser</i> Rathbun, 1931	(1)		
<i>Typhlocarcinops</i> Rathbun, 1909	(16)		
<i>Typhlocarcinus</i> † Stimpson, 1858b	(6, 0, 3)		
<i>Zehntneria</i> Takeda, 1972	(4)		
Subfamily <i>Xenopthalmodinae</i> † Števčić, 2005	(5, 0, 1)		
<i>Arges</i> †† De Haan, 1835 [in De Haan, 1833–1850]	(1)		
		Family Xenopthalmodidae Richters, 1880	(5)
		Family Tanaocheleidae Ng & P. F. Clark, 2000	(2)
		<i>Tanaocheles</i> Kropp, 1984	(2)
		SUPERFAMILY PORTUNOIDEA † Rafinesque, 1815	
		(420, 35, 200)	
		Family Carcinidae † MacLeay, 1838	(30, 7, 13)
		Subfamily <i>Carcininae</i> † MacLeay, 1838	(6, 1, 5)
		<i>Carcinus</i> † Leach, 1814 [in Leach, 1813–1815]	(1, 1, 1)
		<i>Cicarnus</i> †† Karasawa & Fudouji, 2000	(1)
		<i>Miopipus</i> †† Müller, 1984	(1)
		<i>Portumnus</i> † Leach, 1814 [in Leach, 1813–1815]	(2, 0, 1)
		<i>Xaiva</i> † MacLeay, 1838	(3, 0, 1)
		Subfamily <i>Polybiinae</i> † Ortmann, 1893a	(24, 6, 8)
		<i>Benthochascon</i> Alcock & Anderson, 1899	(1)
		<i>Brusinia</i> Števčić, 1991	(4)
		<i>Liocarcinus</i> † Stimpson, 1871b	(7, 5, 7)
		<i>Ovalipes</i> † Rathbun, 1898a	(10, 1, 1)
		<i>Polybius</i> Leach, 1820 [in Leach, 1815–1875]	(2)
		Family Carcineretidae †† Beurlen, 1930b	(5)
		<i>Branchiocarcinus</i> †† Vega, Feldmann & Sour-Tovar, 1995	(1)
		<i>Cancrixantho</i> †† Van Straelen, 1934	(1)
		<i>Carcineretes</i> †† Withers, 1922	(2)
		<i>Mascaranada</i> †† Vega & Feldmann, 1991	(1)
		Family Catoptriidae † Borradaile, 1902a	(10, 1, 0)
		<i>Catoptrus</i> A. Milne-Edwards, 1870	(5)
		<i>Libystes</i> † A. Milne-Edwards, 1867	(5, 1, 0)
		Family Geryonidae † Colosi, 1923	(37, 0, 8)
		<i>Archaeogeryon</i> †† Colosi, 1923	(1)
		<i>Archaeoplax</i> †† Stimpson, 1863	(1)
		<i>Chaceon</i> † Manning & Holthuis, 1989	(33, 0, 6)
		<i>Geryon</i> Krøyer, 1837	(3)
		<i>Zariquieyon</i> Manning & Holthuis, 1989	(1)
		Family Lithophylacidae †† Van Straelen, 1936a	(1)
		<i>Lithophylax</i> †† A. Milne-Edwards & Brocchi, 1879	(1)
		Family Longusorbiidae ††	
		Karasawa, Schweitzer & Feldmann, 2008	(3)
		<i>Longusorbis</i> †† Richards, 1975	(3)
		Family Macropipidae † Stephenson & Campbell, 1960	
		(28, 2, 42)	
		<i>Bathynectes</i> Stimpson, 1871b	(5)
		<i>Boschettia</i> ††	
		Busulini, Tessier, Beschin & De Angeli, 2003	(1)
		<i>Coenophthalmus</i> A. Milne-Edwards, 1879	
		[in A. Milne-Edwards, 1873–1880]	(1)
		<i>Echinolatus</i> Davie & Crosnier, 2006	(4)
		<i>Falsiportunites</i> †† Collins & Jakobsen, 2003	(1)
		<i>Gecchelicarcinus</i> ††	
		Beschin, Busulini, De Angeli & Tessier, 2007	(1)
		<i>Macropipus</i> † Prestandrea, 1833	(3, 1, 2)

<i>Maeandricampus</i> †† Schweitzer & Feldmann, 2002	(2)	<i>Arenaeus</i> † Dana, 1851e	(1, 1, 0)
<i>Megokkos</i> †† Schweitzer & Feldmann, 2000b	(4)	<i>Callinectes</i> † Stimpson, 1860b	(12, 3, 6)
<i>Minohellenus</i> †† Karasawa, 1990	(8)	<i>Colneptunus</i> †† Lórenthey, in Lórenthey & Beurlen, 1929	(3)
<i>Necora</i> † Holthuis, 1987	(0, 1, 0)	<i>Cronius</i> † Stimpson, 1860b	(2, 0, 1)
<i>Nectocarcinus</i> A. Milne-Edwards, 1860a	(6)	<i>Lupella</i> Rathbun, 1897	(1)
<i>Ophthalmoplax</i> †† Rathbun, 1935	(4)	<i>Portunus</i> † Weber, 1795	(92, 6, 42)
<i>Parathranites</i> † Miers, 1886	(8, 0, 1)	<i>Pseudoachelous</i> †† Portell & Collins, 2004	(1)
<i>Pleolobites</i> †† Remy, 1960	(1)	<i>Rathbunella</i> †† Collins, in Collins, Portell & Donovan, 2009	(1)
<i>Pororaria</i> †† Glaessner, 1980	(1)	Subfamily Thalamitinae † Paul'son, 1875	(147, 11, 20)
<i>Portufuria</i> †† Collins, Schulz & Jakobsen, 2005	(1)	<i>Charybdis</i> † De Haan, 1833 [in De Haan, 1833–1850]	(56, 8, 16)
<i>Portunites</i> †† Bell, 1858	(9)	<i>Eocharybdis</i> ††	
<i>Proterocarcinus</i> †† Feldmann, Casadío, Chirino-Gálvez & Aguirre-Urreta, 1995	(4)	Beschin, Busulini, De Angeli & Tessier, 2002	(1)
<i>Raymanninus</i> Ng, 2000	(1)	<i>Gonioinfradens</i> Leene, 1938	(1)
<i>Rhachiosoma</i> †† Woodward, 1871	(2)	<i>Thalamita</i> † Latreille, 1829	(89, 2, 3)
Family Pirimelidae † Alcock, 1899b	(5, 0, 4)	<i>Thalamitoides</i> † A. Milne-Edwards, 1869b	(1, 1, 0)
<i>Parapirimela</i> †† Van Straelen, 1937	(1)	Unplaced at subfamily level ††	(1)
<i>Pirimela</i> † Leach, 1816 [in Leach, 1815–1875]	(1, 0, 1)	<i>Enoplonotus</i> †† A. Milne-Edwards, 1860a	(1)
<i>Pliopirimela</i> †† Van Bakel, Jagt, Fraaije & Willie, 2003	(1)		
<i>Sirpus</i> Gordon, 1953	(4)	Family Psammocarcinidae †† Beurlen, 1930b	(1)
<i>Trachypirimela</i> †† Müller, 1974	(1)	<i>Psammocarcinus</i> †† A. Milne-Edwards, 1860a	(1)
Family Portunidae † Rafinesque, 1815	(307, 25, 121)		
Subfamily Atoportuninae † Števčić, 2005	(5, 1, 2)	Family Thiidae † Dana, 1852c	(3, 0, 2)
<i>Atoportunus</i> Ng & Takeda, 2003	(3)	Subfamily Nautilocorystinae Ortmann, 1893a	(2)
<i>Euronectes</i> †† Karasawa, Schweitzer & Feldmann, 2008	(2)	<i>Nautilocystes</i> H. Milne Edwards, 1837 [in H. Milne Edwards, 1834–1840]	(2)
<i>Laleonectes</i> † Manning & Chace, 1990	(2, 1, 0)	Subfamily Thiinae † Dana, 1852c	(1, 0, 2)
Subfamily Caphyrinae † Paul'son, 1875	(28, 0, 2)	<i>Thia</i> † Leach, 1816a	(1, 0, 2)
<i>Caphyra</i> Guérin, 1832	(17)		
<i>Coelocarcinus</i> Edmondson, 1930	(2)	SUPERFAMILY POTAMOIDEA † Ortmann, 1896	(659, 3, 8)
<i>Lissocarcinus</i> † Adams & White, 1849	(9, 0, 1)		
<i>Mioxaiva</i> †† Müller, 1978	(1)	Family Potamidae † Ortmann, 1896	(521, 2, 6)
Subfamily Carupinae † Paul'son, 1875	(2, 1, 3)	Subfamily Potaminae † Ortmann, 1896	(43, 0, 6)
<i>Carupa</i> † Dana, 1851e	(1, 1, 0)	<i>Acanthopotamon</i> Kemp, 1918	(3)
<i>Neptocarcinus</i> †† Lórenthey, 1898b	(1)	<i>Alcomon</i> Yeo & Ng, 2007	(2)
<i>Rakosia</i> †† Müller, 1984	(2)	<i>Himalayapotamon</i> Pretzmann, 1966	(9)
<i>Richerellus</i> Manning & Felder, 1989	(1)	<i>Lobothelphusa</i> Bouvier, 1917	(5)
Subfamily Lupocyclinae † Paul'son, 1875	(9, 0, 1)	<i>Paratelphusula</i> Alcock, 1909b	(4)
<i>Carupella</i> Lenz, in Lenz & Strunck, 1914	(3)	<i>Potamon</i> † Savigny, 1816	(17, 0, 6)
<i>Lupocyclus</i> † Adams & White, 1849	(6, 0, 1)	<i>Socotra</i> Cumberlidge & Wranik, 2002	(1)
Subfamily Necronectinae † Glaessner, 1928	(4, 1, 22)	<i>Socotrapotamon</i> Apel & Brandis, 2000	(2)
<i>Necronectes</i> †† A. Milne-Edwards, 1881c	(13)	Subfamily Potamiscinae † Bott, 1970b	(478, 2, 0)
<i>Sanquerus</i> Manning, 1989	(1)	<i>Acartiapotamon</i> Dai, 1999	(1)
<i>Scylla</i> † De Haan, 1833 [in De Haan, 1833–1850]	(3, 1, 9)	<i>Allopotamon</i> Ng, 1988	(1)
Subfamily Podophthalminae † Dana, 1851e	(4, 1, 15)	<i>Amamiku</i> Naruse, Segawa & Shokita, 2004	(2)
<i>Euphyllax</i> † Stimpson, 1860b	(2, 0, 6)	<i>Aparapotamon</i> Dai & G. X. Chen, 1985	(11)
<i>Podophthalmus</i> † Lamarck, 1801	(2, 1, 3)	<i>Apotamonautes</i> Dai & Xing, 1993	(4)
<i>Psygmodthalmus</i> †† Schweitzer, Iturralde-Vinent, Hetzler & Velez-Juarbe, 2006	(2)	<i>Artopotamon</i> Dai & G. X. Chen, 1985	(1)
<i>Sandomingia</i> †† Rathbun, 1919	(1)	<i>Aspermon</i> Yeo & Ng, 2007	(1)
<i>Saratunus</i> †† Collins, Lee & Noad, 2003	(2)	<i>Badistemon</i> Yeo & Ng, 2007	(1)
<i>Viaophthalmus</i> ††		<i>Balsippotamon</i> Dang & Ho, 2008	(2)
Karasawa, Schweitzer & Feldmann, 2008	(1)	<i>Beccumon</i> Yeo & Ng, 2007	(4)
Subfamily Portuninae † Rafinesque, 1815	(108, 10, 55)	<i>Bottapotamon</i> Türkay & Dai, 1997	(5)
<i>Acanthoportunus</i> †† Schweitzer & Feldmann, 2002	(1)	<i>Candidiopotamon</i> Bott, 1967b	(5)
		<i>Carpomon</i> S. H. Tan & Ng, 1998b	(1)
		<i>Cerberusa</i> Holthuis, 1979	(2)

<i>Chinapotamon</i> Dai & Naiyanetr, 1994	(6)	<i>Sinopotamon</i> Bott, 1967b	(82)
<i>Cryptopotamon</i> Ng & Dudgeon, 1992	(1)	<i>Stelomon</i> Yeo & Naiyanetr, 2000	(5)
<i>Daipotamon</i> Ng & Trontelj, 1996	(1)	<i>Stoliczia</i> Bott, 1966	(15)
<i>Dalatomon</i> Dang & Ho, 2007	(2)	<i>Takpotamon</i> Brandis, 2002	(2)
<i>Demanieta</i> Bott, 1966	(9)	<i>Tenuilapotamon</i> Dai, Song, Li, Z. Y. Chen, Wang, & Q. X. Hu, 1984	(8)
<i>Doimon</i> Yeo & Ng, 2007	(3)	<i>Tenuipotamon</i> Dai, 1990	(7)
<i>Donopotamon</i> Dang & Ho, 2005	(1)	<i>Teretamon</i> Yeo & Ng, 2007	(1)
<i>Dromothelphusa</i> Naiyanetr, 1992	(1)	<i>Terrapotamon</i> Ng, 1986	(2)
<i>Eosamon</i> Yeo & Ng, 2007	(10)	<i>Thaiphusa</i> Ng & Naiyanetr, 1993	(3)
<i>Erebusa</i> Yeo & Ng, 1999	(1)	<i>Thaipotamon</i> Ng & Naiyanetr, 1993	(6)
<i>Esanpotamon</i> Naiyanetr & Ng, 1997	(1)	<i>Tiwariptamon</i> Bott, 1970b	(6)
<i>Flabellamon</i> Ng, 1996d	(1)	<i>Tomaculamon</i> Yeo & Ng, 1997	(2)
<i>Geothelphusa</i> † Stimpson, 1858b	(50, 2, 0)	<i>Trichopotamon</i> Dai & G. X. Chen, 1985	(3)
<i>Hainampotamon</i> Dai, 1995b	(9)	<i>Vadosapotamon</i> Dai & Türkay, 1997	(1)
<i>Heterochelamon</i> Türkay & Dai, 1997	(3)	<i>Vietopotamon</i> Dang & Ho, 2002	(2)
<i>Huananpotamon</i> Dai & Ng, 1994	(13)	<i>Villopotamon</i> Dang & Ho, 2003	(3)
<i>Ibanum</i> Ng, 1995a	(3)	<i>Yarepotamon</i> Dai & Türkay, 1997	(4)
<i>Indochinamon</i> Yeo & Ng, 2007	(30)		
<i>Inlethelphusa</i> Yeo & Ng, 2007	(1)		
<i>Insulamon</i> Ng & Takeda, 1992	(1)		
<i>Iomon</i> Yeo & Ng, 2007	(2)		
<i>Isolapotamon</i> Bott, 1968b	(17)		
<i>Johora</i> Bott, 1966	(15)		
<i>Kanpotamon</i> Ng & Naiyanetr, 1993	(2)		
<i>Kukrimon</i> Yeo & Ng, 2007	(1)		
<i>Lacunipotamon</i> Dai, Song, He, Cao, Xu & Zhong, 1975	(1)		
<i>Laevimon</i> Yeo & Ng, 2005	(2)		
<i>Larnaudia</i> Bott, 1966	(3)		
<i>Latopotamon</i> Dai & Türkay, 1997	(3)		
<i>Lophopotamon</i> Dai, 1999	(1)		
<i>Malayopotamon</i> Bott, 1968b	(10)		
<i>Mediapotamon</i> Türkay & Dai, 1997	(2)		
<i>Megacephalomon</i> Yeo & Ng, 2007	(1)		
<i>Mindoron</i> Ng & Takeda, 1992	(2)		
<i>Minpotamon</i> Dai & Türkay, 1997	(1)		
<i>Nanhaiptamon</i> Bott, 1968b	(13)		
<i>Neilupotamon</i> Dai & Türkay, 1997	(4)		
<i>Nemoron</i> Ng, 1996c	(1)		
<i>Neolarnauidia</i> Türkay & Naiyanetr, 1986	(2)		
<i>Neotiwaripotamon</i> Dai & Naiyanetr, 1994	(2)		
<i>Ovitamon</i> Ng & Takeda, 1992	(4)		
<i>Parapotamoides</i> Dai, 1990	(1)		
<i>Parapotamon</i> De Man, 1907	(2)		
<i>Pararanguna</i> Dai & G. X. Chen, 1985	(1)		
<i>Parvuspotamon</i> Dai & Bo, 1994	(1)		
<i>Phaibulamon</i> Ng, 1992	(1)		
<i>Pilosamon</i> Ng, 1996a	(2)		
<i>Planumon</i> Yeo & Ng, 2007	(1)		
<i>Potamiscus</i> Alcock, 1909b	(14)		
<i>Pudaengon</i> Ng & Naiyanetr, 1995	(8)		
<i>Pupamon</i> Yeo & Ng, 2007	(7)		
<i>Qianpotamon</i> Dai, 1995a	(1)		
<i>Quadramon</i> Yeo & Ng, 2007	(3)		
<i>Rathbunamon</i> Ng, 1996a	(1)		
<i>Ryukyum</i> Ng & Shokita, 1995	(1)		
<i>Setosamon</i> Yeo & Ng, 2007	(2)		
<i>Shanphusa</i> Yeo & Ng, 2007	(2)		
<i>Sinolapotamon</i> Tai & Sung, 1975	(1)		
		Family Potamonautesidae † Bott, 1970a	(138, 1, 2)
		Subfamily Deckeniinae Ortmann, 1897a	(3)
		<i>Deckenia</i> Hilgendorf, 1869	(2)
		<i>Seychellum</i> Ng, Števčić & Pretzmann, 1995	(1)
		Subfamily Hydrothelphusinae Bott, 1955	(20)
		<i>Afrithelphusa</i> Bott, 1969b	(4)
		<i>Boreas</i> Cumberlidge & von Sternberg, 2002	(1)
		<i>Globonautes</i> Bott, 1959	(1)
		<i>Hydrothelphusa</i> A. Milne-Edwards, 1872	(5)
		<i>Louisea</i> Cumberlidge, 1994	(2)
		<i>Madagapotamon</i> Bott, 1965	(1)
		<i>Malagasya</i> Cumberlidge & von Sternberg, 2002	(2)
		<i>Marojejy</i> Cumberlidge, Boyko & Harvey, 2002	(1)
		<i>Skelosophusa</i> Ng & Takeda, 1994	(3)
		Subfamily Potamonautesinae † Bott, 1970a	(115, 1, 2)
		<i>Erimetopus</i> Rathbun, 1894b	(3)
		<i>Foza</i> Dai & Bo, 1994	(1)
		<i>Liberonautes</i> Bott, 1955	(8)
		<i>Platythelphusa</i> A. Milne-Edwards, 1887	(9)
		<i>Potamonautes</i> † MacLeay, 1838	(79, 1, 1)
		<i>Potamoneurus</i> Cumberlidge & P. F. Clark, 1992	(3)
		<i>Sudanonautes</i> Bott, 1955	(12)
		<i>Tanzanonautes</i> † Feldmann, O'Connor, N. J. Stevens, Gottfried, Roberts, Ngasala, Rasmusson & Kapilima, 2007	(1)
		SUPERFAMILY PSEUDOTHELPHUSOIDEA	
		Ortmann, 1893b	(276)
		Family Pseudothelphusidae Ortmann, 1893b	(276)
		Subfamily Epilobocerinae Smalley, 1964	(12)
		<i>Epilobocera</i> Stimpson, 1860b	(11)
		<i>Neoepilobocera</i> Capolongo & Pretzmann, 2002	(1)
		Subfamily Pseudothelphusinae Ortmann, 1893b	(263)
		<i>Allacanthos</i> Smalley, 1964	(1)
		<i>Achlidon</i> Smalley, 1964	(1)
		<i>Brasiliothelphusa</i> Magalhães & Türkay, 1986	(1)
		<i>Camptophallus</i> Smalley, 1965	(1)
		<i>Chaceus</i> Pretzmann, 1971	(9)
		<i>Disparithelphusa</i> Smalley & Adkison, 1984	(1)

<i>Eidocamptophallus</i> Rodríguez & Hobbs, 1989	(1)	SUPERFAMILY RETROPLUMOIDEA † Gill, 1894	(10, 0, 27)
<i>Elsalvadora</i> Bott, 1967a	(2)		
<i>Epithelphusa</i> Rodríguez & Smalley, 1969	(2)		
<i>Eudaniela</i> Pretzmann, 1971	(2)		
<i>Fredius</i> Pretzmann, 1967	(12)		
<i>Guinotia</i> Pretzmann, 1965	(1)	Family Retroplumidae † Gill, 1894	(10, 0, 27)
<i>Hypolobocera</i> Ortmann, 1897a	(51)	<i>Archaeopus</i> †† Rathbun, 1908	(8)
<i>Kingsleya</i> Ortmann, 1897a	(7)	<i>Bathypluma</i> de Saint Laurent, 1989	(3)
<i>Lindacatalina</i> Pretzmann, 1977	(7)	<i>Costacopluma</i> †† Collins & Morris, 1975	(10)
<i>Lobithelphusa</i> Rodríguez, 1982	(1)	<i>Cristipluma</i> †† Bishop, 1983a	(1)
<i>Martiana</i> Rodríguez, 1980	(1)	<i>Loerentheya</i> †† Lörenthay,	
<i>Microthelphusa</i> Pretzmann, 1968b	(13)	in Lörenthay & Beurlen, 1929	(1)
<i>Moritschus</i> Pretzmann, 1965	(5)	<i>Loerenthopluma</i> ††	
<i>Neopseudothelphusa</i> Pretzmann, 1965	(2)	Beschin, Busulini, De Angeli & Tessier, 1996b	(1)
<i>Neostrengaria</i> Pretzmann, 1965	(23)	<i>Retrocypoda</i> †† Vía, 1959	(1)
<i>Odontothelphusa</i> Rodríguez, 1982	(6)	<i>Retropluma</i> † Gill, 1894	(7, 0, 5)
<i>Oedothelphusa</i> Rodríguez, 1980	(1)		
<i>Orthothelphusa</i> Rodríguez, 1980	(3)		
<i>Phallangothelphusa</i> Pretzmann, 1965	(2)		
<i>Phrygiopilus</i> Smalley, 1970	(7)		
<i>Potamocarcinus</i> H. Milne Edwards, 1853	(18)	Family Domeciidae † Ortmann, 1893b	(6, 1, 2)
<i>Prionothelphusa</i> Rodríguez, 1980	(1)	<i>Domecia</i> Eydoux & Souleyet, 1842	(4)
<i>Pseudothelphusa</i> de Saussure, 1857	(23)	<i>Jonesius</i> † Sankarankutty, 1962	(1, 0, 2)
<i>Ptychophallus</i> Smalley, 1964	(17)	<i>Maldivia</i> Borradale, 1902b	(1)
<i>Raddaus</i> Pretzmann, 1965	(4)	<i>Palmyria</i> † Galil & Takeda, 1986	(0, 1, 0)
<i>Rodriguezus</i> M. R. Campos & Magalhães, 2005	(4)		
<i>Smalleyus</i> Alvarez, 1989	(1)		
<i>Spirothelphusa</i> Pretzmann, 1965	(1)		
<i>Strengariana</i> Pretzmann, 1971	(16)	Family Tetraliidiae † Castro, Ng & Ahyong, 2004	(12, 0, 1)
<i>Tehuana</i> Rodríguez & Smalley, 1969	(9)	<i>Tetralia</i> † Dana, 1851d	(10, 0, 1)
<i>Typhlopseudothelphusa</i> Rioja, 1952	(5)	<i>Tetraloides</i> Galil, 1986b	(2)
<i>Villalobosus</i> Ng & Alvarez, 2000	(1)		
Unplaced at subfamily level	(1)	Family Trapeziidae † Miers, 1886	(38, 1, 7)
<i>Rathbunia</i> Nobili, 1896	(1)	Subfamily Calocarcininae Števčić, 2005	(7)
		<i>Calocarcinus</i> Calman, 1909b	(4)
		<i>Philippicarcinus</i> Garth & Kim, 1983	(2)
		<i>Sphenomerides</i> Rathbun, 1897	(1)
		Subfamily Quadrellinae Števčić, 2005	(9)
		<i>Hexagonalia</i> Galil, 1986a	(3)
		<i>Quadrella</i> Dana, 1851e	(6)
		Subfamily Trapeziinae † Miers, 1886	(22, 1, 7)
		<i>Archaeotetra</i> †† Schweitzer, 2005b	(1)
		<i>Eomaldivia</i> †† Müller & Collins, 1991	(2)
		<i>Paratetralia</i> ††	
		Beschin, Busulini, De Angeli & Tessier, 2007	(1)
		<i>Trapezia</i> † Berthold, 1827	(22, 1, 3)
SUPERFAMILY PSEUDOZIOIDEA † Alcock, 1898	(22, 0, 6)	SUPERFAMILY TRICHODACTYLOIDEA †	
		H. Milne Edwards, 1853	(49, 1, 0)
Family Pilumnoididae Guinot & Macpherson, 1987	(8)		
<i>Pilumnooides</i> Lucas, 1844		Family Trichodactylidae † H. Milne Edwards, 1853	(49, 1, 0)
[in H. Milne Edwards & Lucas, 1842–1844]	(8)	Subfamily Dilocarcininae † Pretzmann, 1978	(33, 1, 0)
Family Planopilumnidae Serène, 1984	(4)	<i>Bottiella</i> Magalhães & Türkay, 1996	(3)
<i>Haemocinus</i> Ng, 2003	(1)	<i>Dilocarcinus</i> H. Milne Edwards, 1853	(4)
<i>Planopilumnus</i> Balss, 1933a	(2)	<i>Forsteria</i> Bott, 1969a	(1)
<i>Platyhelcionion</i> Crosnier & Guinot, 1969	(1)	<i>Fredilocarcinus</i> Pretzmann, 1978	(3)
Family Pseudoziidae † Alcock, 1898	(10, 0, 6)	<i>Goyazana</i> Bott, 1969a	(2)
<i>Archaeozius</i> †† Schweitzer, 2003	(1)	<i>Melocarcinus</i> Magalhães & Türkay, 1996	(1)
<i>Euryozius</i> † Miers, 1886	(6, 0, 2)	<i>Moreirocarcinus</i> Magalhães & Türkay, 1996	(3)
<i>Flindersoplax</i> Davie, 1989a	(1)		
<i>Priabonocarcinus</i> †† Müller & Collins, 1991	(1)		
<i>Pseudozius</i> Dana, 1851e	(3)		
<i>Santeexanthus</i> †† Blow & Manning, 1996	(1)		
<i>Tongapapaka</i> ††			
Feldmann, Schweitzer & McLaughlin, 2006	(1)		

<i>Poppiana</i> Bott, 1969a	(3)	Family Pseudorhombilidae † Alcock, 1900b	(13, 1, 1)
<i>Rotundovaldivia</i> Pretzmann, 1968a	(1)	<i>Bathyrhombila</i> Hendrickx, 1998	(1)
<i>Sylviocarcinus</i> † H. Milne Edwards, 1853	(5, 1, 0)	<i>Chacellus</i> Guinot, 1969b	(2)
<i>Valdivia</i> White, 1847e	(4)	<i>Euphosynoplax</i> Guinot, 1969b	(2)
<i>Zilchiopsis</i> Bott, 1969a	(3)	<i>Nanoplax</i> † Guinot, 1967a	(0, 1, 0)
Subfamily Trichodactylinae H. Milne Edwards, 1853	(16)	<i>Oediplax</i> Rathbun, 1893b	(1)
<i>Avotrichodactylus</i> Pretzmann, 1968a	(2)	<i>Perunorhombila</i> Števčić, 2005	(1)
<i>Rodriguezia</i> Bott, 1969a	(2)	<i>Pseudorhombila</i> † H. Milne Edwards, 1837	
<i>Trichodactylus</i> Latreille, 1829	(12)	[in H. Milne Edwards, 1834–1840]	(5, 0, 1)
SUPERFAMILY XANTHOIDEA † MacLeay, 1838		<i>Trapezioplax</i> Guinot, 1969b	(1)
	(669, 67, 134)		
Family Panopeidae † Ortmann, 1893b	(84, 9, 40)		
Subfamily Eucratopsinae † Stimpson, 1871b	(23, 0, 8)		
<i>Balcacarcinus</i> †† Karasawa & Schweitzer, 2006	(1)		
<i>Bittnereus</i> ††			
Beschin, Busulini, De Angeli & Tessier, 2007	(1)		
<i>Carinocarcinus</i> †† Lőrenthey, 1898a	(1)		
<i>Chasmophora</i> Rathbun, 1914b	(1)		
<i>Cyclopax</i> Guinot, 1969a	(1)		
<i>Cyrtoplax</i> Rathbun, 1914b	(4)		
<i>Eucratopsis</i> Smith, 1869b	(1)		
<i>Glyphithyreus</i> †† Reuss, 1859	(4)		
<i>Glytoplax</i> Smith, 1870	(3)		
<i>Homoioplax</i> Rathbun, 1914a	(1)		
<i>Malacoplax</i> Guinot, 1969a	(1)		
<i>Odontoplax</i> Garth, 1986	(1)		
<i>Palaeograpsus</i> †† Bittner, 1875	(1)		
<i>Panoplax</i> Stimpson, 1871b	(3)		
<i>Prionoplax</i> H. Milne Edwards, 1852	(3)		
<i>Robertsella</i> Guinot, 1969b	(1)		
<i>Tetraplax</i> Rathbun, 1901	(2)		
<i>Thalassoplax</i> Guinot, 1969b	(1)		
Subfamily Panopeinae † Ortmann, 1893b	(61, 9, 28)		
<i>Acantholobulus</i> Felder & J. W. Martin, 2003	(4)		
<i>Dyspanopeus</i> J. W. Martin & Abele, 1986	(2)		
<i>Eurypanopeus</i> † A. Milne-Edwards, 1880			
[in A. Milne-Edwards, 1873–1880]	(11, 1, 0)		
<i>Eurytium</i> † Stimpson, 1859a	(3, 1, 2)		
<i>Hexapanopeus</i> † Rathbun, 1898b	(12, 1, 0)		
<i>Laevicarcinus</i> †† Lőrenthey,			
in Lőrenthey & Beurlen, 1929	(3)		
<i>Lophopanopeus</i> † Rathbun, 1898b	(6, 3, 3)		
<i>Lophoxanthus</i> A. Milne-Edwards, 1879			
[in A. Milne-Edwards, 1873–1880]	(1)		
<i>Metopocarcinus</i> Stimpson, 1860b	(2)		
<i>Neopanope</i> A. Milne-Edwards, 1880			
[in A. Milne-Edwards, 1873–1880]	(1)		
<i>Panopeus</i> † H. Milne Edwards, 1834			
[in H. Milne Edwards, 1834–1840]	(16, 2, 20)		
<i>Rhithropanopeus</i> Rathbun, 1898b	(1)		
<i>Tetraexanthus</i> † Rathbun, 1898b	(2, 1, 0)		
Unplaced at subfamily level ††	(4)		
<i>Pakicarcinus</i> ††			
Schweitzer, Feldmann & Gingerich, 2004	(2)		
<i>Sereneopeus</i> †† Collins, 2002	(2)		
Family Xanthidae † MacLeay, 1838			(572, 57, 73)
Subfamily Actaeinae † Alcock, 1898			(95, 11, 16)
<i>Actaea</i> † De Haan, 1833 [in De Haan, 1833–1850]			
			(28, 5, 5)
<i>Actaeodes</i> † Dana, 1851e			(4, 2, 0)
<i>Actaeops</i> †† Portell & Collins, 2004			(1)
<i>Allactaea</i> Williams, 1974			(1)
<i>Epiactaea</i> Serène, 1984			(3)
<i>Epiactaeodes</i> Serène, 1984			(2)
<i>Forestia</i> † Guinot, 1976			(4, 0, 1)
<i>Gailliardiellus</i> † Guinot, 1976			(4, 1, 0)
<i>Heteractaea</i> † Lockington, 1877b			(2, 1, 0)
<i>Lobiactaea</i> T. Sakai, 1983			(1)
<i>Meractaea</i> Serène, 1984			(3)
<i>Novactaea</i> Guinot, 1976			(4)
<i>Odhneria</i> T. Sakai, 1983			(2)
<i>Paractaea</i> † Guinot, 1969c			(13, 1, 0)
<i>Paractaeopsis</i> Serène, 1984			(1)
<i>Phlyctenodes</i> †† A. Milne-Edwards, 1862b			(8)
<i>Platyactaea</i> Guinot, 1967b			(2)
<i>Psaumis</i> Kossmann, 1877			(1)
<i>Pseudactaea</i> Serène, 1962			(3)
<i>Pseudoliomera</i> Odhner, 1925			(10)
<i>Pseudophlyctenodes</i> ††			
Busulini, Tessier & Beschin, 2006			(1)
<i>Rata</i> Davie, 1993b			(2)
<i>Serenius</i> † Guinot, 1976			(5, 1, 0)
Subfamily Antrocarcininae Ng & D. G. B. Chia, 1994			(4)
<i>Antrocarcinus</i> Ng & D. G. B. Chia, 1994			(1)
<i>Cyrtocarcinus</i> Ng & D. G. B. Chia, 1994			(1)
<i>Glyptocarcinus</i> Takeda, 1973			(2)
Subfamily Chlorodiellinae † Ng & Holthuis, 2007			(38, 9, 9)
<i>Chlorodiella</i> † Rathbun, 1897			(9, 3, 6)
<i>Cyclodius</i> † Dana, 1851e			(5, 3, 0)
<i>Garthiella</i> Titgen, 1986			(1)
<i>Liocarpiloides</i> Klunzinger, 1913			(5)
<i>Pilodius</i> † Dana, 1851e			(13, 3, 3)
<i>Sulcodius</i> P. F. Clark & Ng, 1999			(1)
<i>Tweedieia</i> Ward, 1935			(3)
<i>Vellodius</i> Ng & Yang, 1998			(1)
Subfamily Cymoinae Alcock, 1898			(8)
<i>Cymo</i> De Haan, 1833 [in De Haan, 1833–1850]			(8)
Subfamily Etisiniae † Ortmann, 1893b			(22, 3, 3)
<i>Etisus</i> † H. Milne Edwards, 1834			
[in H. Milne Edwards, 1834–1840]			(21, 3, 3)
<i>Paraetisus</i> Ward, 1933			(1)

Subfamily Euxanthinae † Alcock, 1898	(85, 2, 8)	<i>Gonopanope</i> Guinot, 1967a	(3)
<i>Alainodaeus</i> Davie, 1993b	(5)	<i>Guitonia</i> Garth & Iliffe, 1992	(1)
<i>Batodaeus</i> Vázquez-Bader & Gracia, 2004	(1)	<i>Jacforus</i> Ng & P. F. Clark, 2003	(1)
<i>Carpoporos</i> Stimpson, 1871b	(1)	<i>Juxtaxanthias</i> Ward, 1942	(3)
<i>Cranaothus</i> Ng, 1993b	(1)	<i>Lachnopodus</i> † Stimpson, 1858a	(4, 2, 1)
<i>Crosnierius</i> Serène & Vodon, 1981	(2)	<i>Leptodius</i> † A. Milne-Edwards, 1863	(12, 0, 3)
<i>Danielea</i> Ng & P. F. Clark, 2003	(1)	<i>Liagore</i> † De Haan, 1833 [in De Haan, 1833–1850]	
<i>Edwardsium</i> Guinot, 1967a	(4)		(2, 1, 0)
<i>Epistocavea</i> Davie, 1993b	(1)	<i>Linnaeoanthus</i> Števčić, 2005	(1)
<i>Euxanthus</i> † Dana, 1851e	(6, 0, 1)	<i>Lioxanthodes</i> Calman, 1909c	(3)
<i>Glyptoxyanthus</i> † A. Milne-Edwards, 1879 [in A. Milne-Edwards, 1873–1880]	(8, 0, 1)	<i>Macromedaeus</i> † Ward, 1942	(5, 1, 0)
<i>Guinotellus</i> Serène, 1971	(1)	<i>Marratha</i> Ng & P. F. Clark, 2003	(1)
<i>Hepatoporus</i> Serène, 1984	(5)	<i>Megametope</i> Filhol, 1886	(4)
<i>Hypocolpus</i> † Rathbun, 1897	(11, 1, 0)	<i>Megamia</i> †† Karasawa, 1993	(1)
<i>Ladomedaeus</i> Števčić, 2005	(2)	<i>Melybia</i> Stimpson, 1871b	(1)
<i>Lipaesthesia</i> † Rathbun, 1898a	(1, 0, 1)	<i>Metanaxanthops</i> Serène, 1984	(1)
<i>Medaeops</i> † Guinot, 1967a	(6, 0, 1)	<i>Metopoxantho</i> †† De Man, 1904	(1)
<i>Medaeus</i> † Dana, 1851e	(6, 0, 3)	<i>Microcassiope</i> Guinot, 1967a	(5)
<i>Miersiella</i> Guinot, 1967a	(2)	<i>Micropanope</i> † Stimpson, 1871b	(11, 2, 1)
<i>Monodaeus</i> † Guinot, 1967a	(7, 1, 1)	<i>Nanocassiope</i> † Guinot, 1967a	(5, 1, 0)
<i>Olenothus</i> Ng, 2002a	(1)	<i>Nectopanope</i> Wood-Mason & Alcock, 1891	(1)
<i>Palatigum</i> Davie, 1997	(1)	<i>Neolioxantho</i> Garth & Kim, 1983	(2)
<i>Paramedaeus</i> Guinot, 1967a	(5)	<i>Neoxanthias</i> Ward, 1932	(3)
<i>Pleurocolpus</i> Crosnier, 1995	(1)	<i>Neoxanthops</i> Guinot, 1968	(3)
<i>Pseudomedaeus</i> Guinot, 1968	(3)	<i>Orphnoxanthus</i> Alcock, 1896	(1)
<i>Rizalthus</i> Mendoza & Ng, 2008	(1)	<i>Ovatis</i> Ng & H.-I. Chen, 2004	(1)
<i>Visayax</i> Mendoza & Ng, 2008	(2)	<i>Palaeoxanthops</i> †† Karasawa, 1993	(2)
Subfamily Kraussiinae Ng, 1993a	(17)	<i>Paraxanthias</i> † Odhner, 1925	(9, 0, 1)
<i>Garthasia</i> Ng, 1993a	(1)	<i>Paraxanthodes</i> Guinot, 1968	(3)
<i>Kraussia</i> Dana, 1852d	(1)	<i>Paraxanthus</i> Lucas, 1844	
<i>Palapedia</i> Ng, 1993a	(15)	[in H. Milne Edwards & Lucas, 1842–1844]	(1)
Subfamily Liomerinae † T. Sakai, 1976	(47, 10, 5)	<i>Xanthias</i> † Rathbun, 1897	(14, 1, 2)
<i>Actiomera</i> Ng, Guinot & Davie, 2008	(3)	<i>Xantho</i> † Leach, 1814 [in Leach, 1813–1815]	(4, 1, 4)
<i>Bruciana</i> Serène, 1977	(1)	<i>Xanthodius</i> † Stimpson, 1859a	(7, 0, 1)
<i>Liomera</i> † Dana, 1851e	(24, 6, 2)	Subfamily Zalasiinae † Serène, 1968	(21, 2, 0)
<i>Meriola</i> Davie, 1993b	(3)	<i>Banareia</i> † A. Milne-Edwards, 1869a	(14, 2, 0)
<i>Neoliomera</i> † Odhner, 1925	(13, 4, 2)	<i>Calvactaea</i> Ward, 1933	(1)
<i>Neomeria</i> †† C.-H. Hu & Tao, 1996	(1)	<i>Zalasius</i> Rathbun, 1897	(6)
<i>Paraliomera</i> Rathbun, 1930b	(3)	Subfamily Zosiminae † Alcock, 1898	(66, 5, 5)
Subfamily Polydectinae Dana, 1851e	(11)	<i>Atergatis</i> † De Haan, 1833 [in De Haan, 1833–1850]	
<i>Lybia</i> H. Milne Edwards, 1834 [in H. Milne Edwards, 1834–1840]	(10)	(15, 3, 3)	
<i>Polydectus</i> H. Milne Edwards, 1837 [in H. Milne Edwards, 1834–1840]	(1)	<i>Atergatopsis</i> A. Milne-Edwards, 1862b	(10)
Subfamily Speocarcininae † Števčić, 2005	(6, 0, 1)	<i>Lophozozymus</i> A. Milne-Edwards, 1863	(15)
<i>Speocarcinus</i> † Stimpson, 1859a	(6, 0, 1)	<i>Paratergatis</i> T. Sakai, 1965	(1)
Subfamily Xanthinae † MacLeay, 1838	(152, 15, 20)	<i>Platypodia</i> † Bell, 1835	(9, 1, 0)
<i>Cataleptodius</i> Guinot, 1968	(6)	<i>Platypodiella</i> Guinot, 1967b	(5)
<i>Coralliope</i> Guinot, 1967a	(2)	<i>Pulcratis</i> Ng & Huang, 1977	(1)
<i>Cycloxoanthops</i> † Rathbun, 1897	(5, 1, 1)	<i>Zosimus</i> † Leach, 1818b	(6, 1, 2)
<i>Demania</i> † Laurie, 1906	(13, 4, 2)	<i>Zozymodes</i> Heller, 1861a	(4)
<i>ECTAESTHESIUS</i> Rathbun, 1898a	(1)	Unplaced at subfamily level ††	(6)
<i>Epixanthops</i> Serène, 1984	(1)	<i>Haydnella</i> †† Müller, 1984	(4)
<i>Eucratodes</i> A. Milne-Edwards, 1880 [in A. Milne-Edwards, 1873–1880]	(1)	<i>Nogarolia</i> ††	
<i>Euryxanthops</i> Garth & Kim, 1983	(6)	Beschin, Busulini, De Angeli & Tessier, 1994	(1)
<i>Garthiope</i> † Guinot, 1990	(3, 1, 0)	<i>Sculptoplax</i> †† Müller & Collins, 1991	(1)
<i>Gaudichaudia</i> Rathbun, 1930b	(2)	Unplaced at family level ††	(20)
		<i>Actaeites</i> †† Müller & Collins, 1991	(1)
		<i>Actaeopsis</i> †† Carter, 1898	(1)
		<i>Caprocancer</i> †† Müller & Collins, 1991	(1)

<i>Colpocaris</i> †† von Meyer, 1862	(1)	Family Glyptograpsidae Schubart, Cuesta & Felder, 2002	(2)
<i>Cretachlorodius</i> †† Fraaye, 1996	(1)	<i>Glyptograpsus</i> Smith, 1870	(2)
<i>Eoplax</i> †† Müller & Collins, 1991	(1)	<i>Platychirograpsus</i> De Man, 1896b	(1)
<i>Eoxanthias</i> †† C.-H. Hu & Tao, 1996	(1)		
<i>Megaxantho</i> †† Vega, Feldmann, García-Barrera, Filkorn, Pimentel & Avendaño, 2001	(1)		
<i>Paraxanthosia</i> †† Müller & Collins, 1991	(2)	Family Grapsidae † MacLeay, 1838	(41, 0, 5)
<i>Pilumnomimus</i> †† Müller & Collins, 1991	(1)	<i>Geograpsus</i> Stimpson, 1858b	(5)
<i>Pregeryona</i> †† C.-H. Hu & Tao, 1996	(1)	<i>Goniopsis</i> De Haan, 1833 [in De Haan, 1833–1850]	(3)
<i>Prochlorodius</i> †† Müller & Collins, 1991	(1)	<i>Grapsus</i> Lamarck, 1801	(8)
<i>Styrioplax</i> †† Glaessner, 1969	(1)	<i>Leptograpsodes</i> Montgomery, 1931	(1)
<i>Syphax</i> †† A. Milne-Edwards, 1864	(1)	<i>Leptograpsus</i> H. Milne Edwards, 1853	(1)
<i>Thelecarcinus</i> †† Böhm, 1922	(1)	<i>Litograpsus</i> † Schweitzer & Karasawa, 2004	(1)
<i>Thelphusograpus</i> †† Lörenthey, 1902	(1)	<i>Metopograpsus</i> † H. Milne Edwards, 1853	(6, 0, 1)
<i>Wanga</i> †† C.-H. Hu & Tao, 1996	(1)	<i>Miograpus</i> †† Fleming, 1981	(1)
<i>Woodbinax</i> †† Stenzel, 1952	(1)	<i>Pachygrapsus</i> † Randall, 1840	(14, 0, 1)
<i>Xanthosiooides</i> †† Collins & Breton, 2009	(1)	<i>Planes</i> † Bowdich, 1825	(3, 0, 1)
SUBSECTION THORACOTREMATA †			
Guinot, 1977			
SUPERFAMILY CRYPTOCHIROIDEA Paul'son, 1875			
(46)			
Family Cryptochiridae Paul'son, 1875	(46)	Family Plagusiidae Dana, 1851b	(24)
<i>Cecidocarcinus</i> Kropp & Manning, 1987	(2)	Subfamily Percinae Števčić, 2005	(6)
<i>Cryptochirus</i> Heller, 1861b	(3)	<i>Pernon</i> Gistel, 1848	(6)
<i>Dacryomaia</i> Kropp, 1990	(2)	Subfamily Plagusiinae Dana, 1851b	(18)
<i>Detocarcinus</i> Kropp & Manning, 1987	(1)	<i>Davusia</i> Guinot, 2007	(1)
<i>Fizesereneia</i> Takeda & Tamura, 1980a	(5)	<i>Euchirograpsus</i> H. Milne Edwards, 1853	(8)
<i>Fungicola</i> Serène, 1966	(2)	<i>Miersiograpsus</i> Türkay, 1978	(2)
<i>Hapalocarcinus</i> Stimpson, 1859b	(1)	<i>Plagusia</i> Latreille, 1804	(7)
<i>Hiroia</i> Takeda & Tamura, 1981	(1)		
<i>Lithoscaptus</i> A. Milne-Edwards, 1862b	(8)	Family Sesarmidae † Dana, 1851b	(252, 1, 2)
<i>Luciades</i> Kropp & Manning, 1996	(1)	<i>Aratus</i> H. Milne Edwards, 1853	(1)
<i>Neotroglocarcinus</i> Takeda & Tamura, 1980b	(2)	<i>Armases</i> Abele, 1992	(13)
<i>Opecarcinus</i> Kropp & Manning, 1987	(8)	<i>Bresedium</i> Serène & Soh, 1970	(3)
<i>Pelycomaia</i> Kropp, 1990	(1)	<i>Chiromantes</i> Gistel, 1848	(10)
<i>Pseudocryptochirus</i> Hiro, 1938	(1)	<i>Clistocoeloma</i> A. Milne-Edwards, 1873c	(8)
<i>Pseudohapalocarcinus</i> Fize & Serène, 1956	(1)	<i>Episesarma</i> De Man, 1895b	(8)
<i>Sphenomaia</i> Kropp, 1990	(1)	<i>Geosesarma</i> De Man, 1892	(49)
<i>Troglocarcinus</i> Verrill, 1908	(1)	<i>Haberman</i> Ng & Schubart, 2002	(2)
<i>Utinomiella</i> Kropp & Takeda, 1988	(1)	<i>Karstarma</i> Davie & Ng, 2007b	(14)
<i>Xynomaia</i> Kropp, 1990	(3)	<i>Labuanium</i> Serène & Soh, 1970	(10)
<i>Zibrovia</i> Kropp & Manning, 1996	(1)	<i>Lithoselatum</i> Schubart, Liu & Ng, 2009	(2)
SUPERFAMILY GRAPSOIDEA † MacLeay, 1838			
(488, 7, 28)			
Family Gecarcinidae † MacLeay, 1838	(19, 1, 1)	<i>Metagrapsus</i> H. Milne Edwards, 1853	(1)
<i>Cardisoma</i> † Latreille, 1825b	(3, 1, 1)	<i>Metasesarma</i> H. Milne Edwards, 1853	(2)
<i>Discoplax</i> A. Milne-Edwards, 1867	(4)	<i>Metopaulias</i> Rathbun, 1896	(1)
<i>Epigrapsus</i> Heller, 1862b	(3)	<i>Muradium</i> Serène & Soh, 1970	(1)
<i>Gecarcinus</i> Leach, 1814 [in Leach, 1813–1815]	(3)	<i>Namlacium</i> Serène & Soh, 1970	(1)
<i>Gecarcoidea</i> H. Milne Edwards, 1837 [in H. Milne Edwards, 1834–1840]	(2)	<i>Nanosesarma</i> Tweedie, 1951	(9)
<i>Johngarthia</i> Türkay, 1970	(4)	<i>Neosarmatium</i> † Serène & Soh, 1970	(15, 1, 0)
		<i>Neosesarma</i> Serène & Soh, 1970	(2)
		<i>Parasesarma</i> De Man, 1895b	(31)
		<i>Perisesarma</i> De Man, 1895b	(23)
		<i>Pseudosesarma</i> Serène & Soh, 1970	(9)
		<i>Scandarma</i> Schubart, Liu & Cuesta, 2003	(2)
		<i>Sarmatium</i> Dana, 1851b	(5)
		<i>Selatiuum</i> Serène & Soh, 1970	(2)
		<i>Sesarma</i> † Say, 1817 [in Say, 1817–1818]	(17, 0, 2)
		<i>Sesarmoides</i> Serène & Soh, 1970	(3)
		<i>Sesarmops</i> Serène & Soh, 1970	(6)
		<i>Stelgistra</i> Ng & Liu, 1999	(1)
		<i>Tiomaniuum</i> Serène & Soh, 1970	(1)

Family Varunidae † H. Milne Edwards, 1853	(146, 5, 16)	
Subfamily Asthenognathinae † Stimpson, 1858b	(3, 0, 7)	
<i>Asthenognathus</i> † Stimpson, 1858b	(3, 0, 6)	
<i>Globihexapus</i> †† Schweitzer & Feldmann, 2001a	(1)	
Subfamily Cyclograpinae † H. Milne Edwards, 1853	(52, 0, 6)	
<i>Austrohelice</i> † K. Sakai, Türkay & Yang, 2006	(1, 0, 1)	
<i>Chasmagnathus</i> De Haan, 1833		
[in De Haan, 1833–1850]	(1)	
<i>Cyclograpsus</i> † H. Milne Edwards, 1837		
[in H. Milne Edwards, 1834–1840]	(19, 0, 3)	
<i>Helicana</i> K. Sakai & Yatsuzuka, 1980	(3)	
<i>Helice</i> De Haan, 1833 [in De Haan, 1833–1850]	(4)	
<i>Helograpsus</i> Campbell & Griffin, 1966	(1)	
<i>Metaplag</i> H. Milne Edwards, 1852	(12)	
<i>Miosesarma</i> †† Karasawa, 1989	(2)	
<i>Neohelice</i> K. Sakai, Türkay & Yang, 2006	(1)	
<i>Paragrapus</i> H. Milne Edwards, 1853	(4)	
<i>Parahelice</i> K. Sakai, Türkay & Yang, 2006	(5)	
<i>Pseudohelice</i> K. Sakai, Türkay & Yang, 2006	(1)	
Subfamily Gaeticinae † Davie & N. K. Ng, 2007	(6, 0, 1)	
<i>Gaetice</i> Gistel, 1848	(2)	
<i>Gopikitissak</i> Naruse & P. F. Clark, 2009	(1)	
<i>Sestrostoma</i> † Davie & N. K. Ng, 2007	(3, 0, 1)	
Subfamily Thalassograpinae Davie & N. K. Ng, 2007	(1)	
<i>Thalassograpsus</i> Tweedie, 1950b	(1)	
Subfamily Varuninae † H. Milne Edwards, 1853	(84, 5, 2)	
<i>Acmaeopleura</i> Stimpson, 1858b	(2)	
<i>Brachynotus</i> † De Haan, 1833 [in De Haan, 1833–1850]		
(5, 0, 2)		
<i>Cyrtograpsus</i> Dana, 1851b	(4)	
<i>Eriocheir</i> † De Haan, 1835 [in De Haan, 1833–1850]		
(3, 1, 0)		
<i>Grapsodius</i> Holmes, 1900	(1)	
<i>Hemigrapsus</i> † Dana, 1851b	(13, 2, 0)	
<i>Neoeriocheir</i> T. Sakai, 1983	(1)	
<i>Noarograpus</i> N. K. Ng, Manuel & Ng, 2006	(1)	
<i>Orcovita</i> Ng & Tomascik, 1994	(5)	
<i>Otognathon</i> Ng & Stevcic, 1993	(2)	
<i>Parapyxidognathus</i> Ward, 1941	(1)	
<i>Platyeriocheir</i> N. K. Ng, J. Guo & Ng, 1999	(1)	
<i>Pseudogaetice</i> Davie & N. K. Ng, 2007	(1)	
<i>Pseudograpus</i> H. Milne Edwards, 1837		
[in H. Milne Edwards, 1834–1840]	(6)	
<i>Ptychognathus</i> Stimpson, 1858b	(24)	
<i>Pyxidognathus</i> A. Milne-Edwards, 1879a	(3)	
<i>Scutumara</i> Ng & Nakasone, 1993a	(3)	
<i>Tetragrapus</i> Rathbun, 1918c	(1)	
<i>Utica</i> † White, 1847d	(5, 2, 0)	
<i>Varuna</i> Milne Edwards, 1830b	(2)	
Family Xenograpidae		
N. K. Ng, Davie, Schubart & Ng, 2007	(3)	
<i>Xenograpus</i> Takeda & Kurata, 1977	(3)	
Unplaced at family level ††	(4)	
<i>Daragrapus</i> †† Müller & Collins, 1991	(1)	
Daranya †† Lórenthey, 1901	(2)	
Pseudodaranya ††		
Tessier, Beschin, Busolini & De Angeli, 1999	(1)	
SUPERFAMILY OCYPODOIDEA † Rafinesque, 1815		
	(289, 15, 14)	
Family Camptandriidae † Stimpson, 1858b	(38, 0, 1)	
<i>Baruna</i> Stebbing, 1904	(4)	
<i>Calabarium</i> Manning & Holthuis, 1981	(1)	
<i>Camptandrium</i> Stimpson, 1858b	(1)	
<i>Cleistostoma</i> De Haan, 1833 [in De Haan, 1833–1850]		
(3)		
<i>Deiratonotus</i> Manning & Holthuis, 1981	(3)	
<i>Ecphantor</i> Manning & Holthuis, 1981	(1)	
<i>Ilyogynnus</i> Manning & Holthuis, 1981	(1)	
<i>Lillyanella</i> Manning & Holthuis, 1981	(1)	
<i>Manningis</i> Al-Khayat & Jones, 1996	(1)	
<i>Moguai</i> C. G. S. Tan & Ng, 1999	(3)	
<i>Mortensenella</i> Rathbun, 1909	(1)	
<i>Nanusia</i> C. G. S. Tan & Ng, 1999	(1)	
<i>Nasima</i> Manning, 1991	(1)	
<i>Paracleistostoma</i> † De Man, 1895a	(8, 0, 1)	
<i>Paratyloplax</i> Serène, 1974	(4)	
<i>Serenella</i> Manning & Holthuis, 1981	(1)	
<i>Takedellus</i> C. G. S. Tan & Ng, 1999	(1)	
<i>Telmatothrix</i> Manning & Holthuis, 1981	(1)	
<i>Tylodiplax</i> De Man, 1895a	(1)	
Family Dotillidae Stimpson, 1858b	(59)	
<i>Dotilla</i> Stimpson, 1858b	(8)	
<i>Dotilloplax</i> Tweedie, 1950a	(1)	
<i>Dotillopsis</i> Kemp, 1919	(2)	
<i>Ilyoplax</i> Stimpson, 1858b	(26)	
<i>Potamocypoda</i> Tweedie, 1938	(2)	
<i>Pseudogelasimus</i> Tweedie, 1937	(2)	
<i>Scopimera</i> De Haan, 1835 [in De Haan, 1833–1850]	(13)	
<i>Shenius</i> Serène, 1971	(1)	
<i>Tmethypocoelis</i> Koelbel, 1897	(4)	
Family Heloeciidae H. Milne Edwards, 1852	(1)	
<i>Heloecius</i> Dana, 1851b	(1)	
Family Macrophthalmidae † Dana, 1851b	(65, 8, 5)	
Subfamily Ilyograpinae Števčić, 2005	(6)	
<i>Apograpus</i> Komai & Wada, 2008	(1)	
<i>Ilyograpus</i> Barnard, 1955	(5)	
Subfamily Macrophthalminae † Dana, 1851b	(50, 8, 4)	
<i>Australoplax</i> Barnes, 1966	(1)	
<i>Enimaplax</i> Davie, 1993a	(1)	
<i>Lutogemma</i> Davie, 2009	(1)	
<i>Macrophthalmus</i> † A. G. Desmarest, 1823	(47, 8, 4)	
Subfamily Tritodynaminae † Števčić, 2005	(9, 0, 1)	
<i>Tritodynamia</i> † Ortmann, 1894	(9, 0, 1)	
Family Mictyridae Dana, 1851b	(4)	
<i>Mictyris</i> Latreille, 1806	(4)	

Family Ocypodidae † Rafinesque, 1815	(115, 7, 7)	<i>Ostracotheres</i> H. Milne Edwards, 1853	(8)
Subfamily Ocypodinae † Rafinesque, 1815	(23, 3, 1)	<i>Parapinnixa</i> Holmes, 1894	(9)
<i>Ocypode</i> † Weber, 1795	(23, 3, 1)	<i>Pinnaxodes</i> Heller, 1865	(5)
Subfamily Ucinae † Dana, 1851b	(92, 4, 6)	<i>Pinnotheres</i> † Bosc, 1802	(72, 0, 3)
<i>Uca</i> † Leach, 1814 [in Leach, 1813–1815]	(92, 4, 6)	<i>Raytheres</i> E. Campos, 2004	(1)
Family Ucididae Števčić, 2005	(2)	<i>Sakaina</i> Serène, 1964a	(5)
<i>Ucides</i> Rathbun, 1897	(2)	<i>Scleroplax</i> Rathbun, 1893b	(1)
Family Xenophthalmidae † Stimpson, 1858b	(5, 0, 1)	<i>Serenotheres</i> Ahyong & Ng, 2005	(1)
Subfamily Anomalifrontinae Rathbun, 1931	(1)	<i>Sindheres</i> Kazmi & Manning, 2003	(1)
<i>Anomalifrons</i> Rathbun, 1931	(1)	<i>Tridacnatheres</i> Ahyong & Ng, 2005	(1)
Subfamily Xenophthalminae † Stimpson, 1858b	(4, 0, 1)	<i>Tumidothores</i> E. Campos, 1989	(2)
<i>Neoxenophthalmus</i> Serène & Umali, 1970	(2)	<i>Tunicotheres</i> E. Campos, 1996	(1)
<i>Xenophthalmus</i> † White, 1846a	(2, 0, 1)	<i>Viapinnixa</i> †† Schweitzer & Feldmann, 2001a	(3)
SUPERFAMILY PINNOTHEROIDEA † De Haan, 1833		<i>Viridothores</i> Manning, 1996	(6)
[in De Haan, 1833–1850]	(302, 2, 13)	<i>Visayeres</i> Ahyong & Ng, 2007	(1)
Family Pinnotheridae † De Haan, 1833		<i>Waldothores</i> Manning, 1993c	(1)
[in De Haan, 1833–1850]	(302, 2, 13)	<i>Xanthasia</i> White, 1846a	(1)
Subfamily Pinnothereliinae † Alcock, 1900b	(71, 1, 7)	<i>Zaops</i> † Rathbun, 1900	(1, 1, 0)
<i>Alarconia</i> Glassell, 1938	(2)	Unplaced at subfamily level	(8)
<i>Austinixia</i> Heard & Manning, 1997	(9)	<i>Aphanodactylus</i> Tesch, 1918	(5)
<i>Glassella</i> E. Campos & Wicksten, 1997	(1)	<i>Gandoa</i> Kammerer, 2006	(2)
<i>Indopinnixa</i> Manning & Morton, 1987	(2)	<i>Uruma</i> Naruse, Fujita & Ng, 2009	(1)
<i>Pinnixa</i> † White, 1846a	(53, 1, 7)		
<i>Pinnotherelia</i> H. Milne Edwards & Lucas, 1843		UNPLACED AT SUBSECTION LEVEL ††	
[in H. Milne Edwards & Lucas, 1842–1844]	(1)		
<i>Pseudopinnixa</i> Ortmann, 1894	(1)	Family Marocarcinidae ††	
<i>Tetrias</i> Rathbun, 1898a	(2)	<i>Guinot, De Angeli & Garassino, 2008</i>	(1)
Subfamily Pinnotherinae † De Haan, 1833		<i>Marocarcinus</i> †† <i>Guinot, De Angeli & Garassino, 2008</i>	(1)
[in De Haan, 1833–1850]	(223, 1, 6)		
<i>Abyssotheres</i> Manning & Galil, 2000	(2)		
<i>Afropinnotheres</i> Manning, 1993c	(4)	UNPLACED AT SUBORDINAL LEVEL ††	
<i>Alain</i> Manning, 1998	(2)		
<i>Alainotheres</i> Manning, 1993c	(1)	<i>Anaglyptus</i> †† <i>A. Milne-Edwards, 1873a</i>	(1)
<i>Arcotheres</i> Manning, 1993b	(20)	<i>Aulacopodia</i> †† <i>Bosquet, 1854</i>	(1)
<i>Austinootheres</i> E. Campos, 2002	(1)	<i>Brome</i> †† <i>Münster, 1839</i>	(1)
<i>Bonita</i> E. Campos, 2009	(1)	<i>Cardirhynchus</i> †† <i>Schlüter, 1862</i>	(1)
<i>Buergeres</i> Ng & Manning, 2003	(4)	<i>Eurycarpus</i> †† <i>Schlüter, in von der Marck & Schlüter, 1868</i>	(1)
<i>Calyptraeotheres</i> E. Campos, 1990	(4)	<i>Homelyn</i> †† <i>von Meyer, 1862</i>	(1)
<i>Clypeasterophilus</i> E. Campos & Griffith, 1990	(4)	<i>Lambropsis</i> †† <i>Lórenthey, 1907</i>	(1)
<i>Dissodactylus</i> Smith, 1870	(16)	<i>Liocaris</i> †† <i>Van Straelen, 1924</i>	(1)
<i>Durckheimia</i> De Man, 1889	(3)	<i>Lissopsis</i> †† <i>Fritsch & Kafka, 1887</i>	(1)
<i>Enigmatheres</i> E. Campos, 2009	(1)	<i>Lupeites</i> †† <i>Fritsch & Kafka, 1887</i>	(1)
<i>Epulootheres</i> Manning, 1993a	(1)	<i>Oedisoma</i> †† <i>Bell, 1858</i>	(1)
<i>Ernestotheres</i> Manning, 1993c	(1)	<i>Olinaecaris</i> †† <i>Van Straelen, 1924</i>	(1)
<i>Fabia</i> Dana, 1851f	(8)	<i>Phalangites</i> †† <i>Münster, 1839</i>	(1)
<i>Gemmatheres</i> E. Campos, 1996	(1)	<i>Psammograpus</i> †† <i>A. Milne-Edwards, 1860b</i>	(1)
<i>Holotheres</i> Ng & Manning, 2003	(5)	<i>Pseudomicippe</i> †† <i>Pelseneer, 1886</i>	(1)
<i>Holothuriophilus</i> Nauck, 1880	(3)	<i>Roemerus</i> †† <i>Bishop, 1983b</i>	(1)
<i>Hospitotheres</i> Manning, 1993c	(1)	<i>Secretanella</i> †† <i>Guinot & Tavares, 2001</i>	(1)
<i>Juxtafibria</i> E. Campos, 1993	(1)	<i>Vanuachela</i> †† <i>Kammerer, 2006</i>	(1)
<i>Limotheres</i> Holthuis, 1975	(1)	<i>Wulaicarinus</i> †† <i>C.-H. Hu & Tao, 1996</i>	(1)
<i>Nannootheres</i> Manning & Felder, 1996	(1)		
<i>Nepinnotheres</i> Manning, 1993c	(11)		
<i>Opisthopus</i> Rathbun, 1893b	(1)		
<i>Orthotheres</i> T. Sakai, 1969	(8)		

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FIGURES

Fig. 1. Selected representative fossil decapods. A, *Antrimpos intermedius* Oppel, 1862 (Penaeidae), Jurassic, Germany; B, *Eryma modestiformis* (Schlotheim, 1822) (Erymidae), Jurassic, Germany; C, *Glyphea stilwelli* Feldmann, 1993 (Glypheidae), Eocene, New Zealand; D, *Hoploparia stokesi* (Weller, 1903) (Nephropidae), Cretaceous, Antarctica; E, *Cowichianassa meckerti* Schweitzer et al., 2009 (family undetermined), Cretaceous, Canada; F, G, *Linuparus dzheirantuiensis* Feldmann et al., 2007 (Palinuridae), Cretaceous, Uzbekistan; H, *Cycleryon propinquus* (Schlotheim, 1822) (Eryonidae), Jurassic, Germany; I, *Gastrosacus eminens* (Blaschke, 1911) (Galatheidae), Jurassic, Austria. All scale bars = 10 mm. All images by R. Feldmann.

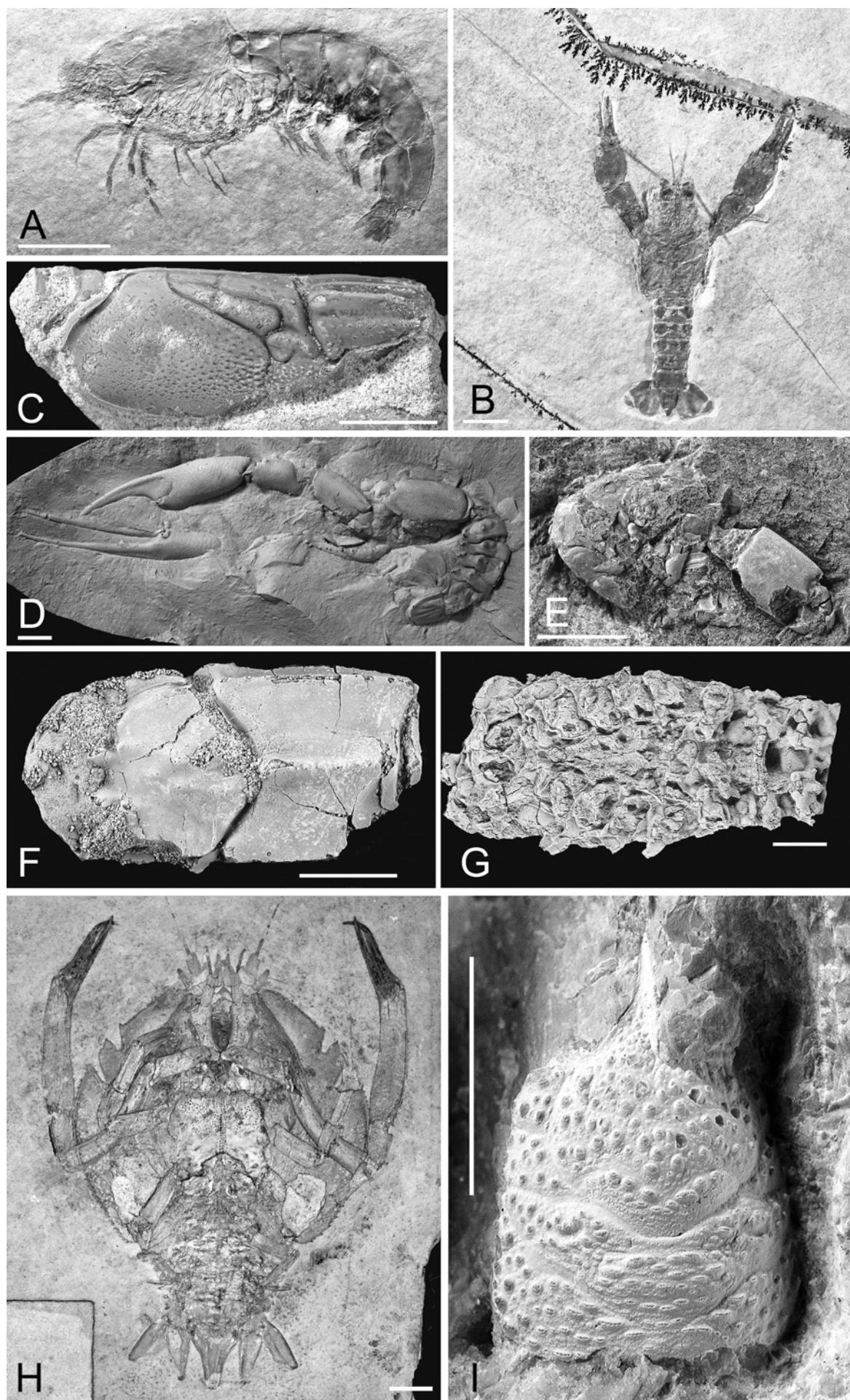


Fig 2. Selected representative fossil decapods. A, *Goniodromites bidentatus* Reuss, 1858 (Goniodromitidae), Jurassic, Poland; B, *Lecythocaris paradoxa* (von Meyer, 1858) (Lecythocaridae), Jurassic, Austria; C, *Longodromites ovalis* (Moericke, 1889) (Longodromitidae), Jurassic, Austria; D, *Glaessneropsis heraldica* (Moericke, 1889) (Glaessneropsidae), Jurassic, Austria; E, *Macroacaena rosencrantzi* (Collins & Rasmussen, 1992) (Raninidae) with bopyrid, Cretaceous, Greenland; F, *Basinotopus lamarckii* (Desmarest, 1822) (Dynomenidae), Eocene, England; G, *Goniochela angulata* Bell, 1858 (Orithopidae), Eocene, England; H, *Proterocarcinus latus* (Glaessner, 1933) (Macropipidae), Miocene, Argentina; I, *Costacopluma concava* Collins & Morris, 1975 (Retroplumidae), Cretaceous, Nigeria; J, *Tumidocarcinus giganteus* Glaessner, 1960 (Tumidocarcinidae), Miocene, New Zealand. All scale bars = 10mm, except B, C = 1 mm. All images by R. Feldmann.

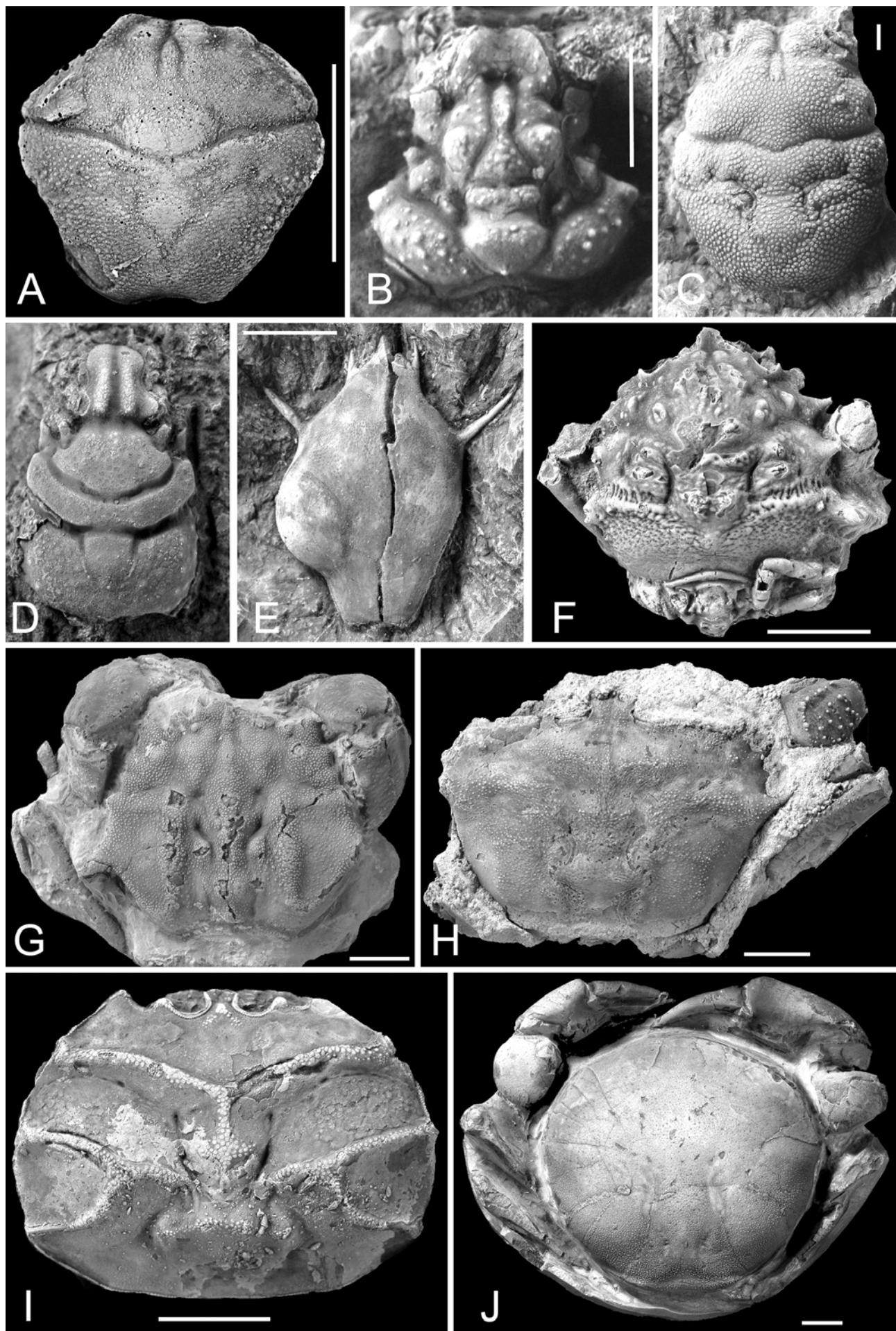


Fig. 3. Selected representative decapods from the Western Atlantic (including Gulf of Mexico) and Eastern Pacific. A, *Sicyonia laevigata* Stimpson, 1871 (Sicyoniidae), Gulf of Mexico, ULLZ 7434; B, *Alpheus hortensis* Wicksten & McClure, 2003 (Alpheidae), Gulf of Mexico, ULLZ 7231; C, *Glyphocrangon aculeata* A. Milne-Edwards, 1881 (Glyphocrangonidae), western North Atlantic, ULLZ 10853; D, *Acanthacaris caeca* (A. Milne-Edwards, 1881) (Nephropidae), ULLZ 7574; E, *Lepidophthalmus jamaicense* (Schmitt, 1935) (Callianassidae), Jamaica, ULLZ 5189; F, *Petrolisthes donadio* Hiller & Werding, 2007 (Porcellanidae), Eastern Pacific, Panama, ULLZ 11494; G, *Emerita talpoida* Say, 1817 (Hippidae), western Atlantic, Florida, ULLZ 10144; H, I, *Xylopagurus cancellarius* Walton, 1950 (Paguridae), Eastern Pacific, Panama, ULLZ 9684; J, *Glyptoxyanthus labyrinthicus* (Stimpson, 1860) (Xanthidae), Eastern Pacific, Panama, ULLZ 11361; K, *Cronius edwardsii* (Lockington, 1877) (Portunidae), Eastern Pacific, Isla Cocos, Costa Rica, LACM uncatalogued material. ULLZ = University of Louisiana at Lafayette Zoological Collections; LACM = Natural History Museum of Los Angeles County. All images by D. L. Felder.

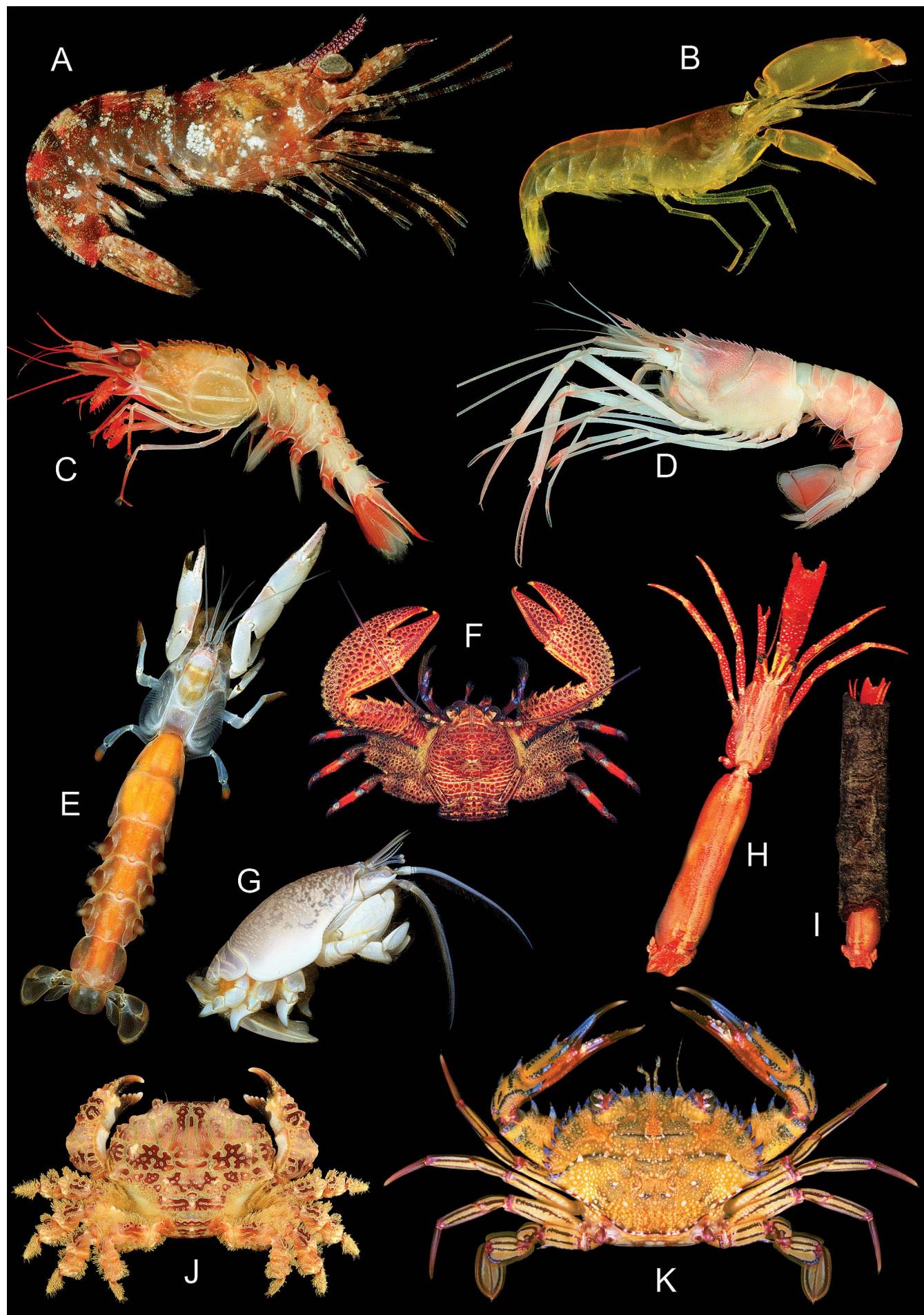


Fig. 4. Selected representative decapods from the Western Atlantic (including Gulf of Mexico) and Eastern Pacific. A, *Gnathophyllum panamense* Faxon, 1893 (Gnathophyllidae), Eastern Pacific, Panama, ULLZ 11496; B, *Stenopus scutellatus* Rankin, 1898 (Stenopodidae), Gulf of Mexico, ULLZ 8286; C, *Upogebia annae* Thistle, 1973 (Upogebiidae), Gulf of Mexico, ULLZ 7009; D, *Pagurus cadenati* Forest, 1954 (Paguridae), Gulf of Mexico, ULLZ 7043; E, *Raninoides benedicti* Rathbun, 1935 (Raninidae), Eastern Pacific, Panama, ULLZ 10016; F, *Platyanthus balboai* Garth, 1940 (Platyanthidae), Eastern Pacific, Panama, ULLZ 11363; G, *Edwardsium lobipes* Rathbun 1998 (Xanthidae), Eastern Pacific, Panama, ULLZ 11362; H, *Grapsus grapsus* (Linnaeus, 1758) (Grapsidae), Belize, ULLZ 11495. ULLZ = University of Louisiana at Lafayette Zoological Collections. All images by D. L. Felder.

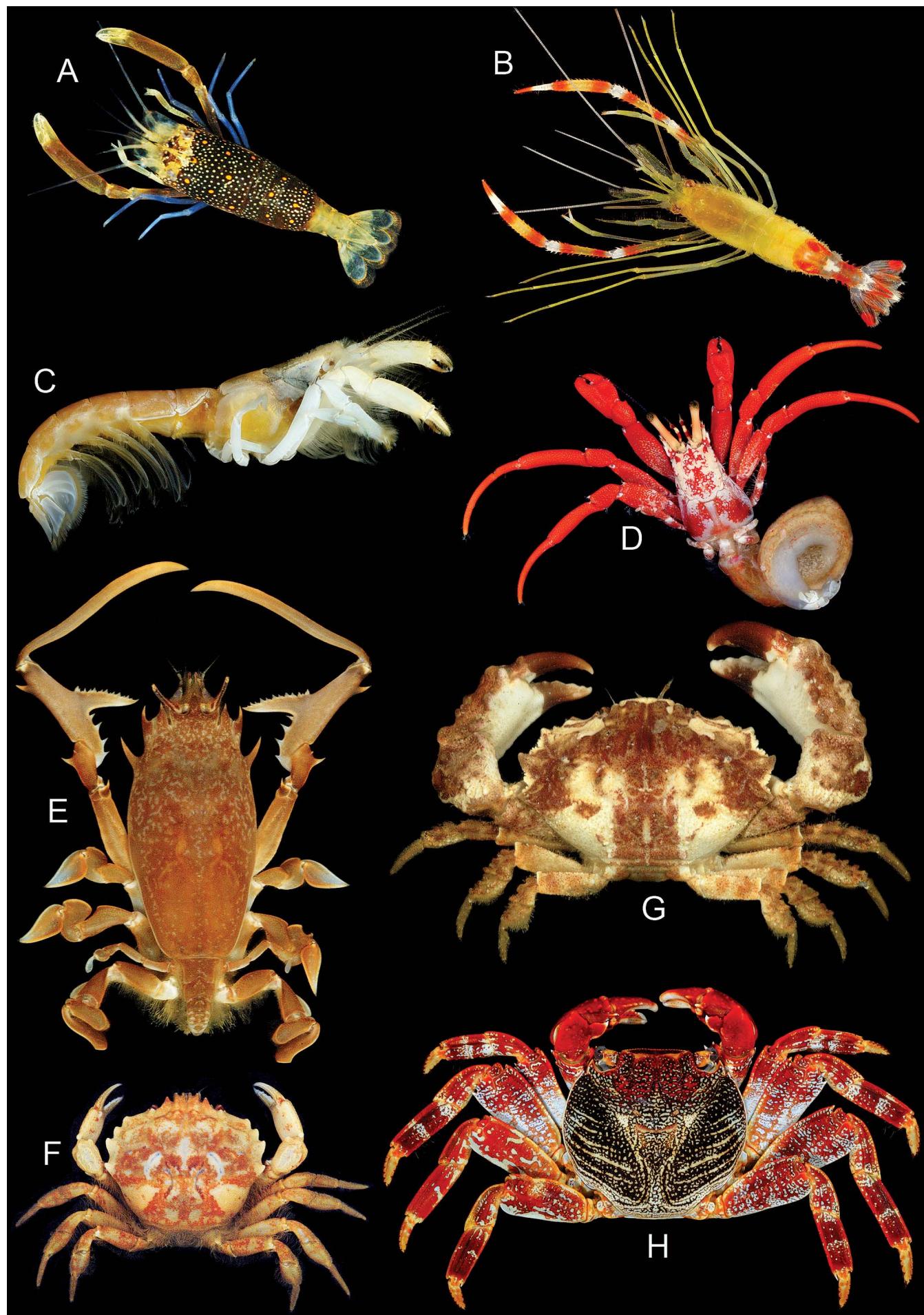


Fig. 5. Selected representative decapods from the Central Pacific. A, *Galearctus aurora* (Holthuis, 1982) (Scyllaridae); B, *Dardanos megistos* (Herbst, 1804) (Diogenidae); C, *Heterocarpus ensifer* A. Milne-Edwards, 1881 (Pandalidae); D, *Portunus (Achelous) orbicularis* (Richters, 1880) (Portunidae); E, *Notopoides latus* Henderson, 1888 (Raninidae); F, *Calappa cf. bicornis* Miers, 1884 (Calappidae); G, *Babamunida kanaloa* Schnabel et al., 2009 (Galatheidae); H, *Platyozius laevis* Borradaile, 1902 (Euryplacidae); I, *Axiopsis serratifrons* (A. Milne Edwards, 1873) (Axiidae). All photographs taken on board NOAA vessel *Oscar Elton Sette* in October 2006, French Frigate Shoals, Northwestern Hawaiian Islands, and provided courtesy of the Northwestern Hawaiian Islands Marine National Monument, Hawaiian Islands National Wildlife Refuge, the Northwestern Hawaiian Islands State Marine Refuge, NOAA's Pacific Islands Fisheries Science Center and CReefs, in accordance with permit numbers NWHIMNM-2006-015 and DLNR.NWHI06R021 and associated amendments. All images by J.W. Martin.

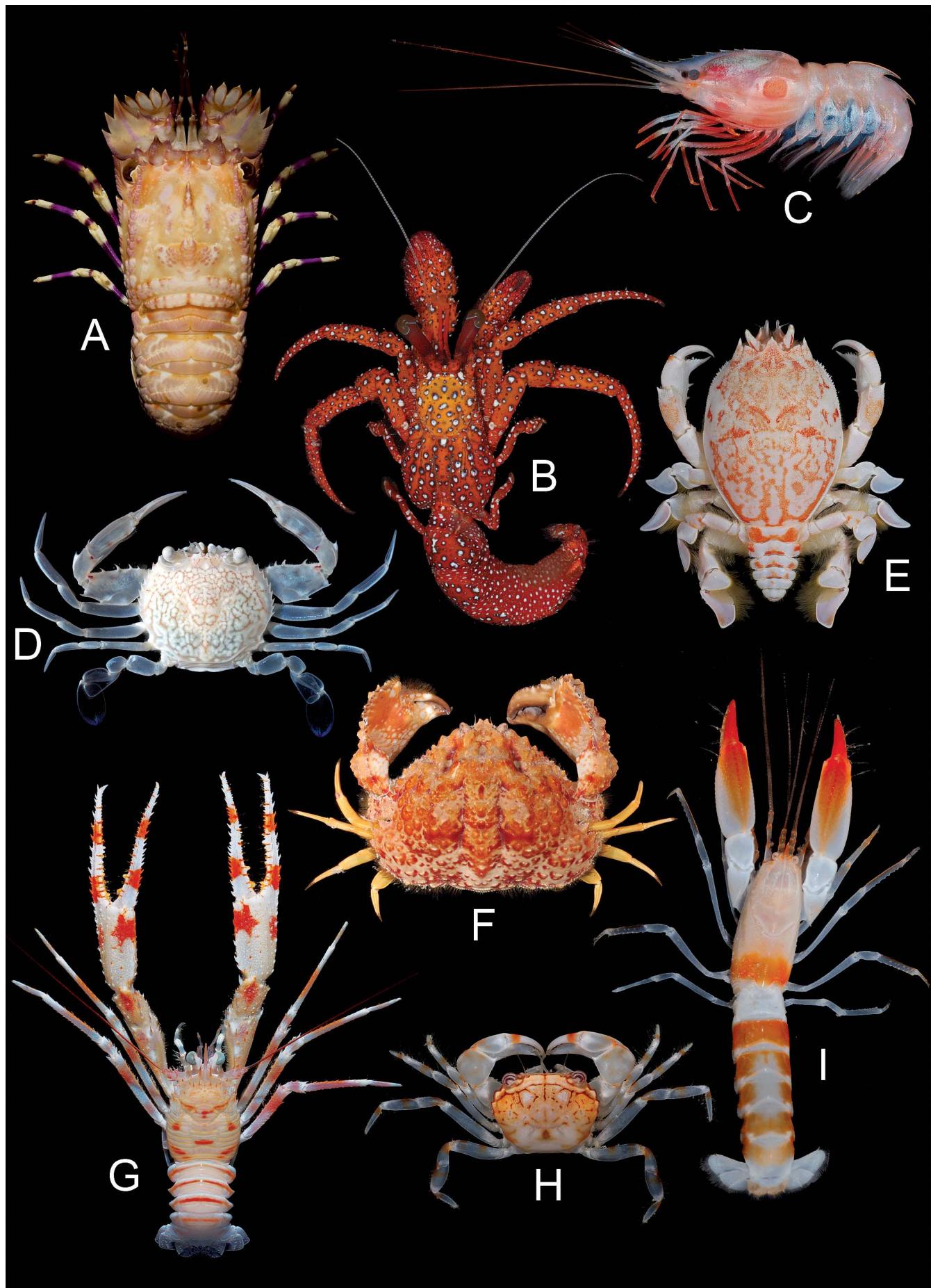


Fig. 6. Selected representative decapods from deep waters of the Indo-West Pacific and Indian Ocean. A, *Gordonella paravillosa* Crosnier, 1988 (Solenoceridae), Taiwan; B, *Engystenopus palmipes* Alcock & Anderson, 1894 (Stenopodidae), Philippines; C, *Glyphocrangon isos* Komai & Chan, 2008 (Glyphocrangonidae), Philippines; D, *Nephropsis stewarti* Wood-Mason, 1873 (Nephropidae), Mozambique; E, *Calastacus crosnieri* Kensley & Chan, 1998 (Calocarididae), Taiwan; F, *Puerulus angulatus* (Bate, 1888) (Palinuridae), Mozambique; G, *Polycheles typhlops* Heller, 1862 (Polychelidae), Philippines; H, *Eumunida funambulus* Gordon, 1930 (Chirostylidae), Taiwan. All images by T.-Y. Chan.

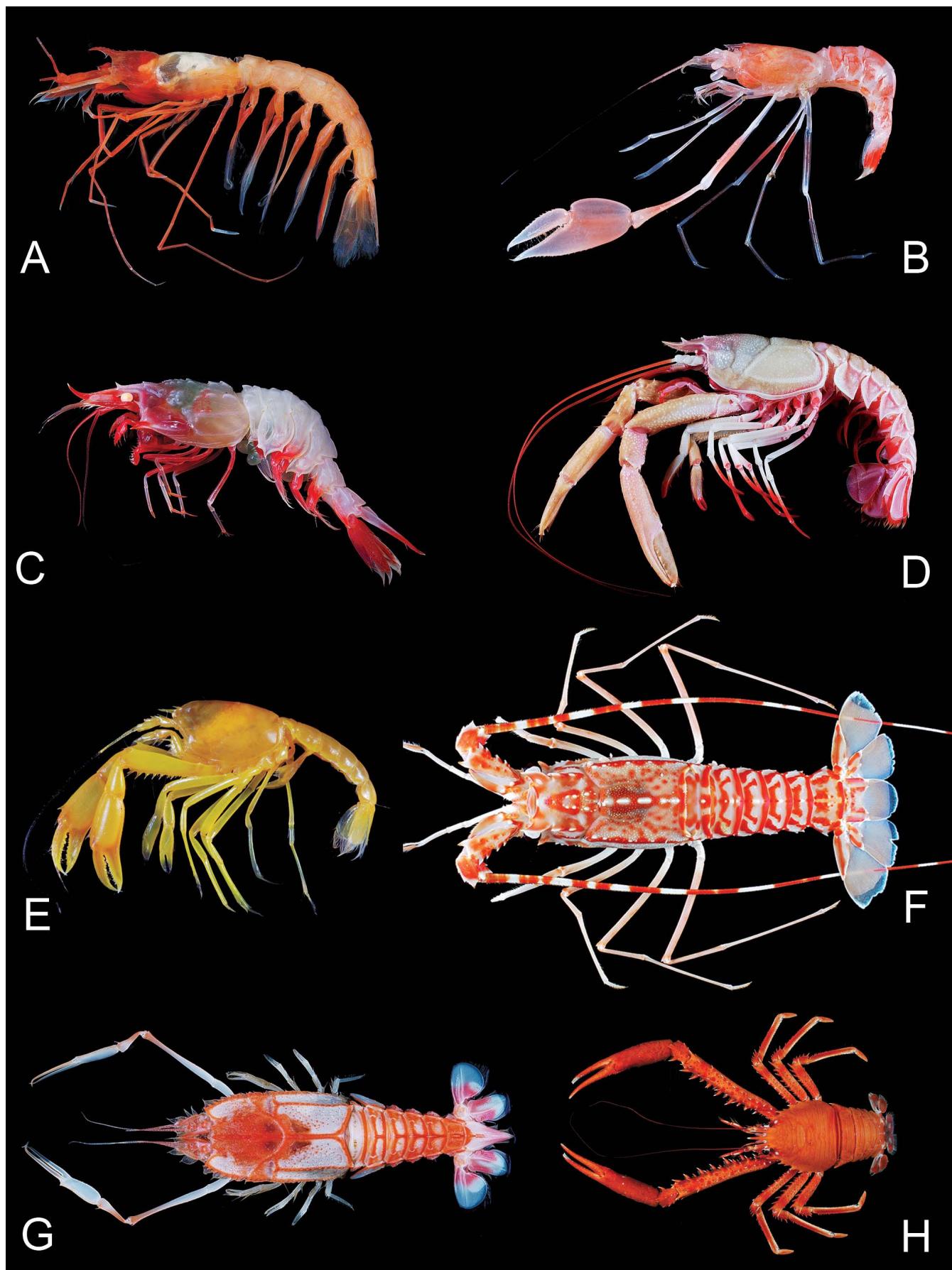


Fig. 7. Selected representative decapods from freshwater and terrestrial habitats. A, *Macrobrachium lar* (J.C. Fabricius, 1798) (Palaemonidae), Indonesia, Sulawesi, Manado (image by P.K.L. Ng); B, *Potamalpheops amnicus* Yeo & Ng, 1997 (Alpheidae), Singapore (image by D.C.J. Yeo); C, *Caridina temasek* Ng & Choy, 1990 (Atyidae), Singapore (image by H.W. Choy); D, *Euastacus spinifer* (Heller, 1865) (Parastacidae), Australia, New South Wales, Wilson River (image by S. Ahyong); E, *Irmengardia johnsoni* Ng & Yang, 1985 (Gecarcinucidae), Singapore (image by H.H. Tan); F, *Parathelphusa reticulata* Ng, 1990 (Gecarcinucidae), Singapore (image by Kelvin K.P. Lim); G, *Epigrapsus notatus* (Heller, 1865) (Gecarcinidae), Taiwan (image by P.K.L. Ng); H, *Discoplax gracilipes* Ng & Guinot, 2001 (Gecarcinidae), Philippines, Bohol (image by P.K.L. Ng).

