

# The Biodiversity of Marine Gastropods of Thailand in the Late Decade.

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**ABSTRACT** This study is mainly based on the collection of marine gastropods along the east coast of the Gulf of Thailand which had been carried out along the coastline in 55 sites from the province of Chonburi to Trad during April 2005 – December 2009. As many habitats as possible were examined at each sites from sandy beaches, muddy sand, rocky shore, and coral reefs. A total of 306 species of gastropods were collected and had been classified in 53 families 116 genera. The most widespread species were *Planaxis sulcatus* (Planaxidae) and *Polinices mammilla* (Naticidae) found in 37 sites, followed by *Echinolittorina malaccana* (Littorinidae) in 35 sites. The highest diversity was 187 species in Trad whereas Koh Mark had the most abundance in this area. The lowest diversity was in Chanthaburi, 88 species, whereas Koh Nomsoa was the most abundant site. The diversity of gastropods in Chonburi was 152 species, whereas Koh Samaesarn and Koh Juang were the most abundant site. 137 species had been found in Rayong and Koh Munnai was the most abundant site. The data from this study had been compared with the recent studies in the late decade from the west coast of the Gulf of Thailand and Andaman Sea. The total gastropods in the late decade were 454 species 205 genera 69 families.

**(Keywords:** marine gastropods, distribution, diversity, Gulf of Thailand)

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## INTRODUCTION

Thailand has the total sea areas about 350,000 square kilometers. The long coast line of about 2,815 km (measured along the shore line) and more than 900 islands. There are two coast lines geographically from border of Trat province to Su Ngai Ko Lok Estuary, Narathiwat province in the Gulf of Thailand and the another coast line in Andaman Sea from the edge of Ranong province to the border of Malaysia at Satun province. Since, Suvatti reported the checklists of marine gastropods all over the country about 60 species in more than 70 years ago [1,2], there were very few people studied on these animals in term of diversity. Tanasiriwong reported 248 species from Phuket [3], Bussarawit reported 165 species from Surin and Le-Pae Island [4] and Swennen et al. reported 117 species from Pattani and Narathiwat provinces [5]. Chon Buri, Rayong, Chanthaburi and Trat provinces on the east coast of the Gulf are the attractive areas for marine mollusks diversity because there are a lot of habitats suitable for them to survive such as many beaches and islands. This study aims to collect marine gastropods mainly from the east coast and report the species lists of the mollusks in the late decade.

## MATERIALS AND METHODS

The present specimens of marine gastropods were collected from sandy beaches, muddy sand, rocky shores, and coral reefs at islands along the Chonburi to Trad coastline from April 2005 – December 2009. The total of 55 survey sites (Figure 1; Table 1), there were 20 sites in Chonburi, 10 sites in Rayong, 7 sites in Chanthaburi and 18 sites in Trad. The study was conducted by using SCUBA diving randomly in daytime from shallow water on the reef flat to the reef slope at the maximum depth of about 18 m around all islands and by hand-picking along the beach and rocky shore to obtain as many species as possible. Both living and dead shells were collected whereas the dead shells will represent species living at the site. All specimens were recorded and identified, the living specimens were preserved in 10% formalin for about 3 days then moved to 70% alcohol. Shells were cleaned in sodium hypochloride 6.6% w/v overnight then washed by tap water and dried for further study. Length and width were measured using vernier calipers. The specimens are deposited in the reference collection museum of the Institute of Marine Science, Burapha University. The classification is based on Beesley et al [6]. The collected specimens

were identified by compared with illustrations, general descriptions, and specific characters in the available literature (Abbott [7], Abbott and Dance[8], Eisenberg [9], Habe [10], Kira [11], Nielsen [12], Okutani [13], Swennen et al [5], Tan and Chou [14], Wilson [15] and Wilson [16],Hylleberg and Kilburn [23], Bouchet et al [24], Boxshall et al [25]).

## RESULTS

A total of 306 species of marine gastropods along the east coast of the Gulf of Thailand from 55 sites were recorded and had been identified in 53 families 116genera (Table 2). *Planaxis sulcatus* (Planaxidae) and *Polinicesmammilla* (Naticidae) found in 37 sites, followed by *Echinolittorina malaccana* (Littorinidae) in 35 sites. There were 1319 individual occurrences found in the 55 sites, giving a mean of  $24.0 \pm 0.8$  individual occurrences per site; the range was from 5 to 65 species (Table 1). The highest diversity was 186species in Trad whereas Mark Island had the most abundance in this area. The lowest diversity was in Chanthaburi, 92 species, whereas Kungwiman was the most abundant site. The diversity of gastropods in Chonburi was 151 species, whereas Samaesarn and Juang Island were the most abundant site. 140 species had been found in Rayong and Munnai Island was the most abundant site. The lowest diversity was registered in the Chanthaburi province (sites 32, 34, 35), 87 species, with *Nerita albicilla* (Neritidae) and *Turbo bruneus* (Turbinidae) being the most common species, within this province, Kungwiman was the site that presented the highest number of species. The highest diversity was found in Trad province with 186 species, being *Polinicesmammilla* (Naticidae) the most common species as same as in Chonburi. Of the 10 sites sampled in Rayong, Munnai Island was the one that presented a higher number of species. In the Chonburi province there were identified 151 species. Sites with both the largest and smallest recorded gastropod diversity varied geographically (Tables 1 and 2).

## DISCUSSION

Since, this study had reported a total of 306 species of marine gastropods mainly just along the east coast of the Gulf of Thailand from 55 sites in 4 provinces. However, the secondary data from many reports in the late decade of the country also be compared and made the total species lists as 454 species not included nudibranches. Family Calliostomatidae, Personidae, Tonnidae, Velutinidae, Colubrariidae, Eulimidae, Epitoniidae

and Bullinidae occurred only in the Andaman Sea whereas family Chilodontidae, Turridae, Xenophoridae, Cancellariidae, Drilliidae, Clavatulidae, Bursidae, Acteonidae and Amathinidae reported just only in the Gulf of Thailand. The distribution of gastropods along the eastern coast is widely spread not specific in any species except in some species which found only in such one site (Table 2) but it does not mean that there is no chance to find in the other places. However, this study will be useful to everybody who needs to look for such the specific species or family of gastropods, they can easily follow the places in the checklist sites. Lastly, this study adds to the database on the distribution of marine gastropods of the country along the east coast of the Gulf of Thailand.

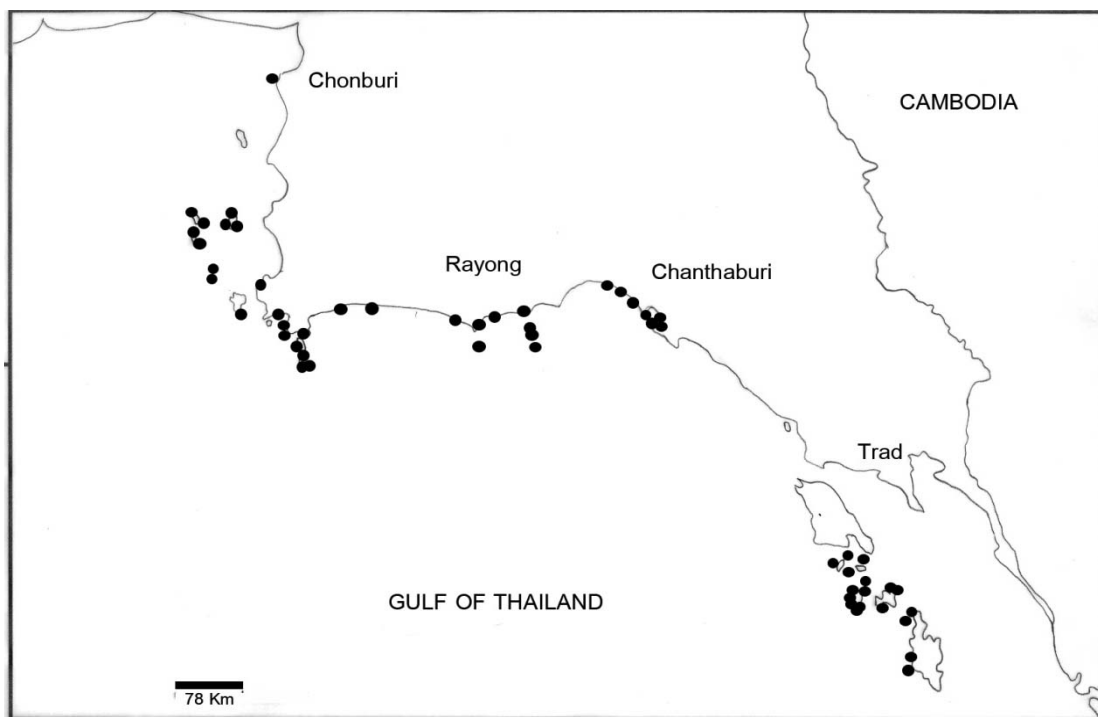
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**Figure 1.** Collection Sites (dots) along the east coast of the Gulf of Thailand

**Table 1.** Summary of collection sites and total number of bivalve species collected along the eastern coast of the Gulf of Thailand. (S = sandy beach; R = rocky shore; C = coral reef; M = muddy sand)

Site no.	Site name	Habitats	Coordinates	Number of species
1	Angsila, Chonburi	S, M	13°18'57.56"N; 100°55'4.44"E	10
2	Larn Island, Pattaya, Chonburi	C	12°55'39.30"N; 100°46'29.60"E	12
3	Krok Island, Pattaya, Chonburi	C	12°55'42.29"N; 100°48'16.31"E	11
4	Sark Island, Pattaya, Chonburi	C	12°56'42.15"N; 100°47'30.30"E	10
5	Loerm Island, Pattaya, Chonburi	C	12°57'36.39"N; 100°39'13.11"E	14
6	Pai Island, Pattaya, Chonburi	C	12°56'35.52"N; 100°40'38.52"E	21
7	Klungbadarn Island, Pattaya, Chonburi	C	12°54'12.78"N; 100°40'46.69"E	14
8	Marnvichai Island, Pattaya, Chonburi	C	12°52'30.79"N; 100°40'27.42"E	18
9	Rin Island, Pattaya, Chonburi	C	12°47'43.61"N; 100°42'17.08"E	31
10	Hin Hoo-chang, Pattaya, Chonburi	C	12°48'34.55"N; 100°42'31.45"E	15
11	Sor Beach, Toong Prong, Sattahip, Chonburi	R, S	12°43'54.9"N; 100°50'02.2"E	9
12	Nang-rong Beach, Sattahip, Chonburi	S, C	12°36'55.87"N; 100°55'13.64"E	24
13	Jorrake Island, Sattahip, Chonburi	C	12°36'10.19"N; 100°55'4.13"E	38
14	Sattahip Bay, Sattahip, Chonburi	S, M	12°39'37"N; 100°53'45.8"E	23
15	Kram Island, Sattahip, Chonburi	S, C	12°40'19.2"N; 100°47'10.3"E	34
16	Chong Samaesarn, Sattahip, Chonburi	C	12°35'46.92"N; 100°57'47.37"E	18
17	Samaesarn Island, Sattahip, Chonburi	S, C	12°33'58.72"N; 100°56'57.95"E	53

**Table 1.** (Cont.)

Site no.	Site name	Habitats	Coordinates	Number of species
18	Karm Island, Sattahip, Chonburi	C	12°34'27.93"N; 100°55'59.12"E	27
19	Juang Island, Sattahip, Chonburi	C	12°30'50.67"N; 100°57'12.93"E	53
20	Jarn Island, Sattahip, Chonburi	C	12°31'2.19"N; 100°58'16.74"E	49
21	Sai-thong Beach, Moeng, Rayong	S	12°40'11.04"N; 101°11'11.81"E	19
22	Numrin Beach, Ban Chang, Rayong	S	12°40'31.25"N; 101°5'31.90"E	12
23	Maerumpung Beach, Klaeng, Rayong	S	12°37'19.43"N; 101°21'48.16"E	16
24	Ban Pe, Klaeng, Rayong	S	12°36'43.87"N; 101°25'22.18"E	12
25	Suanson Beach, Klaeng, Rayong	S	12°37'55.08"N; 101°29'27.16"E	17
26	Samed Island, Klaeng, Rayong	R, C	12°34'0.07"N; 101°27'51.37"E	33
27	Munnai Island, Klaeng, Rayong	S, C	12°36'51.23"N; 101°41'13.54"E	55
28	Munklarng Island, Klaeng, Rayong	S, C	12°35'59.16"N; 101°41'37.31"E	32
29	Munnork Island, Klaeng, Rayong	S, C	12°34'9.52"N; 101°42'8.60"E	54
30	Laem Maepim, Klaeng, Rayong	S	12°38'37.14"N; 101°38'8.83"E	8
31	Kungwimarn, Chanthaburi	R, C	12°36'30.16"N; 101°52'11.99"E	40
32	Kung Kraben, Chanthaburi	M	12°34'26.58"N; 101°53'47.37"E	8
33	Joaloe Beach, Chanthaburi	S, C	12°32'4.68"N; 101°56'3.95"E	10
34	Moo Bay, Chanthaburi	S, M	12°29'01.83"N; 102°02'38.33"E	5
35	Yang Bay, Chanthaburi	S, R	12°28'31.50"N; 102°2'40.16"E	8
36	Saba Island, Chanthaburi	C	12°30'33.33"N; 101°56'56.59"E	17
37	Nomsoa Island, Chanthaburi	C	12°27'53.50"N; 102°01'24.41"E	38
38	Loaya Island, Trat	C	11°56'43.7"N; 102°24'04.1"E	24
39	Wai Island, Trat	C	11°54'20.37"N; 102°24'2.89"E	56
40	Ngarm Island, Trat	C	11°56'54.88"N; 102°26'15.77"E	9
41	Kloom Island, Trat	C	11°55'22.08"N; 102°21'12.20"E	35
42	Kumpun Island, Trat	R, C	11°47'08.8"N; 102°23'38.7"E	12
43	Mapring Island, Trat	R, C	11°48'16.19"N; 102°22'36.63"E	24
44	Songpeenong Island, Trat	C	11°48'32.7"N; 102°22'43.5"E	15
45	Hin Yak Island, Trat	C	11°47'19.67"N; 102°23'42.39"E	8
46	Rung Island, Trat	C	11°47'46.32"N; 102°22'56.25"E	28
47	Hin Plai num, Trat	C	11°51'03.1"N; 102°24'42.0"E	9
48	Thonglarng Island, Trat	C	11°49'11.47"N; 102°24'4.00"E	13
49	Rayungnok Island, Trat	C	11°48'0.23"N; 102°27'8.64"E	7
50	Kradad Island, Trat	C	11°51'1.03"N; 102°30'55.72"E	20
51	Mark Island, Trat	C	11°50'34.79"N; 102°29'35.09"E	65
52	Maisee Island, Trat	C	11°43'17.38"N; 102°30'41.52"E	50
53	Hin Bungbao, Trat	C	11°35'50.66"N; 102°31'46.38"E	14
54	Pukwaen Bay, Trat	C	11°45'12.73"N; 102°32'39.30"E	13
55	Hin Kong Bay, Trat	C	11°37'29.85"N; 102°32'31.69"E	49

**Table 2.** List of gastropods collected at sites along the east coast of the Gulf of Thailand. A = record in Andaman Sea; W = record in west of the Gulf of Thailand; Duangdee et al. [17]; Department of Marine Science[18]; Forestry Research Center[19]; Duangdee et al. [20]; Duangdee [21]; Sanpanich et al.[22]

<b>Family Lottidae</b>	
<i>Nipponacmea nigrans</i> (Kira, 1961)	20
<i>Patelloidapygmaea</i> (Dunker, 1860)	20,39,46
<i>Patelloida saccharina</i> (Linnaeus,1758)	6,10,17,19,20,31,A[18],[19],[20]
<i>Patelloida striata</i> Quoy & Gaimard, 1834	W[17]
<b>Family Nacellidae</b>	
<i>Cellana conciliata</i> Iredale, 1940	20
<i>Cellana grata</i> (Gould, 1859)	[21],A[20]
<i>Cellana radiata</i> (Born,1778)	19,31
<i>Cellana rota</i> (Gmelin, 1791)	A [20]
<i>Cellana testudinaria</i> (Linnaeus,1758)	12,46,51,55, W [17],A [18],[19],[21]
<b>Family Patellidae</b>	
<i>Scutellastra barbara</i> (Linnaeus,1758)	29
<i>Scutellastra flexuosa</i> (Quoy & Gaimard,1834)	20, W[17]
<b>Family Haliotidae</b>	
<i>Haliotisasinina</i> Linnaeus,1758	17,A[18],[19]
<i>Haliotis ovina</i> Gmelin,1791	6,8,12,13,15,17,19,20,29,41,42,45,51,[21],A[19],[20]
<i>Haliotis planata</i> (Sowerby, 1833)	A[18],[20]
<i>Haliotisvaria</i> Linnaeus,1758	17,19,20,43,52,A[18],[20]
<b>Family Fissurellidae</b>	
<i>Diodora rueppellii</i> (G.B. Sowerby I,1835)	3,4,17,25,27-29,W[17]
<i>Diodora ticaonica</i> (Reeve, 1850)	54,[21]
<i>Emarginula crassicosata</i> (SowerbyII, 1863)	A[18],[19]
<i>Emarginella eximia</i> (A. Adams, 1852)	A[18]
<i>Scutus sinensis</i> (Blainville, 1825)	[17]
<i>Scutus unguis</i> (Linnaeus,1758)	54
<b>Family Calliostomatidae</b>	
<i>Calliostoma iris</i> Kuroda & Habe, 1961	A[18]
<b>Family Chilodontidae</b>	
<i>Euchelus asper</i> (Gmelin, 1791)	25
<i>Herpetopoma aspersum</i> (Philippi,1846)	27
<i>Herpetopoma atratum</i> (Gmelin, 1791)	21,27
<i>Hybochelus cancellatus</i> (Krauss, 1848)	6
<b>Family Trochidae</b>	
<i>Chrysostoma paradoxum</i> (Born,1778)	5-10,15,16,19,20,29,43,51,52,55,[21],A[18],[20]
<i>Clanculus atropurpureus</i> Gould,1849	39
<i>Clanculus bicarinatus</i> Angas, 1880	3
<i>Clanculus comarilis</i> Hedley, 1912	55
<i>Clanculus consobrinus</i> Tate, 1893	55

<i>Clanculus denticulatus</i> (Gray, 1827)	16
<i>Clanculus philippii</i> (Koch, 1843)	17
<i>Clanculus margaritarius</i> (Philippi, 1846)	15,19
<i>Monilea belcheri</i> (Philippi, 1849)	27,A[20]
<i>Monilea callifera</i> (Lamarck, 1822)	15,25,27,51,55,W[17]
<i>Monilea</i> sp.	55
<i>Monodonta canalifera</i> Lamarck, 1816	[21]
<i>Monodonta labio</i> (Linnaeus, 1758)	13,17,19,29,37,39,46,51,54,[21],W[17],A[18],[20]
<i>Pseudostomatella decolorata</i> (Gould, 1848)	27
<i>Stomatella impertusa</i> (Burrows, 1815)	19,27
<i>Tectus pyramis</i> (Born, 1778)	12,15,17-20,27,28,39,51,[21],A[18],[19],[20]
<i>Trochus nigropunctatus</i> Reeve, 1861	9
<i>Trochus histrio</i> Reeve, 1848	A[19]
<i>Trochus maculatus</i> Linnaeus, 1758	7-9,13-15,17,19,20,25-29,37,39,46,51,52,54,[21],W[17],A[18],[19],[20]
<i>Tectus niloticus</i> (Linnaeus, 1767)	20,37,40,51,[21],W[17],A[18],[19],[20]
<i>Trochus radiatus</i> Gmelin, 1791	A[18],[19],[20]
<i>Umboonium vestiarius</i> (Linnaeus, 1758)	14,15,17,24-27,30,51,[21], A[18],[19],[20]
Family Angariidae	
<i>Angaria delphinus</i> (Linnaeus, 1758)	6,8,12,13,15-17,19,20,26,29,51,[21],W[17],A[18],[19]
<b>Family Turbinidae</b>	
<i>Astraliium semicostatum</i> (Kiener, 1850)	[21], A[18],[19],[20]
<i>Astraliium haematragum</i> (Menke, 1829)	17,A[20]
<i>Astraliium rhodostomum</i> (Lamarck, 1822)	13,15,17,19,20,39,43,45,48,A[18],[19],[20]
<i>Bolma henica</i> (Watson, 1885)	A[18]
<i>Lunella cinerea</i> (Born, 1778)	[21]
<i>Turbo argyrostomus</i> (Linnaeus, 1758)	[21],A[18],[19]
<i>Turbo bruneus</i> (Roding, 1798)	4,5,8,11-20,26-29,31,33,35-37,39,40,43,51-53,[21],W[17],A[18],[19],[20]
<i>Lunella coronata</i> (Gmelin, 1791)	A[19]
<i>Turbo petholatus</i> Linnaeus, 1758	5,8,9,15,17,19-21,42,43,45,[21], A[18],[19],[20]
<b>Family Neritidae</b>	
<i>Nerita albicilla</i> Linnaeus, 1758	11,13,17,19,20,23,31,34-37,[21], W[17], A[18],[19],[20]
<i>Nerita balteata</i> Reeve, 1855	13,19, A[18],[19]
<i>Nerita chamaeleon</i> Linnaeus, 1758	17,20,29,37, [21], A[18],[19],[20]
<i>Nerita costata</i> (Gmelin, 1791)	[21], A[18],[19],[20]
<i>Nerita planospira</i> Anton, 1839	A[20]
<i>Nerita polita</i> Linnaeus, 1758	19,29,37
<i>Nerita antiquata</i> Recluz, 1841	29
<i>Nerita squamulata</i> Le Guillou, 1841	17,51, [21], A[19],[20]
<i>Nerita undata</i> Linnaeus, 1758	13,17,29,46,51,54,[21],A[18]
<i>Neritina violacea</i> (Gmelin, 1791)	[21]
<i>Clithon oualaniense</i> (Lesson, 1831)	1,11,14,16,32,A[20]

<b>Family Neritopsidae</b>	
<i>Neritopsis radula</i> (Linnaeus,1758)	33,A[19]
<b>Family Architectonicidae</b>	
<i>Adelphotectonica reevei</i> (Hanley, 1862)	30
<i>Architectonica perspectiva</i> (Linnaeus,1758)	21,23,24,27,39,41,51,52, [21], A[18],[19],[20]
<b>Family Amathinidae</b>	
<i>Amathina tricarinata</i> (Linnaeus, 1767)	12,14,22
<b>Family Pyramidellidae</b>	
<i>Longchaeus canaliculatus</i> (Sowerby, 1873)	50
<i>Otopleura auriscati</i> (Holten,1802)	A[19]
<i>Pyramidella acus</i> (Gmelin, 1791)	A[19]
<i>Pyramidella dolabrata</i> (Muller, 1774)	51
<i>Pyramidella maculosa</i> Lamarck, 1822	38
<b>Family Cerithiidae</b>	
<i>Cerithium citrinum</i> G.B. Sowerby II, 1855	A[19]
<i>Cerithium columna</i> G.B. Sowerby I, 1834	51
<i>Cerithium coralium</i> Kiener,1841	12,13,14,26-28, [21], A[18],[19],[20]
<i>Cerithium echinatum</i> Lamarck, 1822	A[18]
<i>Cerithium lifuense</i> Melvill & Standen, 1895	39,52
<i>Cerithium nodulosum</i> Bruguiere,1792	A[18],[19]
<i>Cerithium novaehollandiae</i> G.B. Sowerby II, 1855	26,46,47,53
<i>Cerithium torresi</i> Smith,1884	3,6,14,17,35,39,46,51,52
<i>Cerithium traillii</i> G.B. Sowerby II,1855	28,31,35,37,51,55
<i>Cerithium zonatum</i> (Wood, 1828)	14,27,29,39,46
<i>Clypeomorus batillariaeformis</i> Habe & Kosuge, 1966	A[18],[20]
<i>Clypeomorus bifasciata</i> (G.B. Sowerby II,1855)	26,28,35-37,39, [21],W[17],A[18],[19],[20]
<i>Clypeomorus pellucida</i> (Hombron & Jacquinot,1852)	14,31,[21],A[20]
<i>Clypeomorus petrosa chemnitzianum</i> (Pilsbry, 1901)	51
<i>Clypeomorus</i> sp.	46
<i>Rhinoclavis (Rhinoclavis) aspera</i> (Linnaeus,1758)	6,7,12,13,15-20,27,28,43,51,52,54,55, [21], A[18],[19],[20]
<i>Rhinoclavis (Rhinoclavis) fasciata</i> (Bruguiere,1792)	[21]
<i>Rhinoclavis (Rhinoclavis) sinensis</i> (Gmelin,1791)	5, 6, 9, 12- 15, 17, 19, 20, 26, 27, 29, 31, 37, 39, 43, 51, [21],W[17],A[18],[19],[20]
<i>Rhinoclavis (Procava) sordidula</i> (Gould, 1849)	38,50,51
<i>Rhinoclavis (Rhinoclavis) vertagus</i> (Linnaeus,1767)	7,14,17,44,A[19]
<b>Family Modulidae</b>	
<i>Modulus tectum</i> (Gmelin, 1791)	51,55,W[17]
<b>Family Planaxidae</b>	
<i>Planaxis sulcatus</i> (Born,1778)	2 - 10, 13, 15, 17- 20, 26- 29, 31, 35- 46, 48- 52, [21],W[17],A[18],[19],[20]
<b>Family Potamididae</b>	
<i>Cerithidea cingulata</i> (Gmelin,1791)	31
<i>Telescopium telescopium</i> (Linnaeus,1758)	34,37,A[19]



<i>Terebralia palustris</i> (Linnaeus, 1767)	22
<b>Family Siliquariidae</b>	
<i>Tenagodus ponderosus</i> (Mörch, 1861)	A[18]
<i>Tenagodus weldii</i> Tenison-Woods, 1876	6,8,9,13,17,19,20,52, W[17],A[18],[20]
<b>Family Turritellidae</b>	
<i>Turritella cingulifera</i> G.B. Sowerby I, 1825	52
<i>Turritella terebra</i> (Linnaeus, 1758)	6,21,23,29,39, [21],W[17],A[18],[19],[20]
<b>Family Calyptraeidae</b>	
<i>Calyptraea chinensis</i> (Linnaeus, 1758)	A[19]
<i>Calyptraea extintorium</i> Lamarck, 1822	14,17,21,22,25,30,36,39,51
<i>Siphopatella walshi</i> (Reeve, 1859)	6,13,22,23,29,30,41,44, W[17],A[19]
<b>Family Cypraeidae</b>	
<i>Monetaria annulus</i> (Linnaeus, 1758)	A[18],[19],[20]
<i>Mauritia arabica</i> (Linnaeus, 1758)	2-6,9,12,13,15-20,27-29,33,36,37,39,41,44,49,50, 52,54,55, [21],W[17],A[18],[19],[20]
<i>Arestorides argus</i> (Linnaeus, 1758)	[21],A[18],[19]
<i>Palmadusta asellus</i> (Linnaeus, 1758)	3,4,13,15,19,27,28,39,40,43,54, [21],W[17],A[18],[19],[20]
<i>Monetaria caputserpentis</i> (Linnaeus, 1758)	A[18],[19]
<i>Lyncina carneola</i> (Linnaeus, 1758)	A[18],[19]
<i>Erronea caurica</i> (Linnaeus, 1758)	W[17]
<i>Ovatipsa chinensis</i> (Gmelin, 1791)	53
<i>Pustularia cicercula</i> (Linnaeus, 1758)	A[19]
<i>Notocypraea comptonii</i> (Gray, 1847)	5,9,17,19,26,27,29,31,37,43,52,53
<i>Palmadusta contaminata</i> (G.B. Sowerby I, 1832)	13,17-20,27,29,41,45,48,52
<i>Cribrarula cribraria</i> (Linnaeus, 1758)	9,10,12,29,41,43,52,54, A[18],[19],[20]
<i>Erronea cylindrica</i> (Born, 1778)	39,43,44,47-51,53,[21]
<i>Erosaria erosa</i> (Linnaeus, 1758)	[21], A[18],[19]
<i>Erronea erronea</i> (Linnaeus, 1758)	W[17]
<i>Purpuradusta gracilis</i> (Gaskoin, 1849)	12,13,19,20,28,39, W[17]
<i>Purpuradusta hammondae</i> (Iredale, 1939)	37,55
<i>Bistolida hirundo</i> (Linnaeus, 1758)	17,19,37,39
<i>Luria isabella</i> (Linnaeus, 1758)	A[19]
<i>Bistolida kieneri</i> (Hidalgo, 1906)	27
<i>Erosaria lamarckii</i> (J.E. Gray, 1825)	[21],A[18],[19],[20]
<i>Leporicypraea mappa</i> (Linnaeus, 1758)	[21]
<i>Mauritia mauritiana</i> (Linnaeus, 1758)	[21],A[19]
<i>Erosaria miliaris</i> (Gmelin, 1791)	8,27,30,37,38,52,55
<i>Monetaria moneta</i> (Linnaeus, 1758)	A[19]
<i>Nucleolaria nucleus</i> (Linnaeus, 1758)	A[19]
<i>Notocypraea pulicaria</i> (Reeve, 1846)	19,55
<i>Eclogavena quadrimaculata</i> (J. E. Gray, 1824)	40,43,52,53,W[17]
<i>Staphylaea staphylaea</i> (Linnaeus, 1758)	A[20]

<i>Bistolida stolid</i> (Linnaeus, 1758)	55,A[18]
<i>Talparia talpa</i> (Linnaeus, 1758)	[21], A[18],[19]
<i>Cypraea tigris</i> Linnaeus,1758	7,12,13,15,19,20,27-29,35,51, [21],W[17],A[18],[19]
<i>Bistolida ursellus</i> (Gmelin, 1791)	19,40
<i>Lyncina vitellus</i> (Linnaeus, 1758)	36,38,55,[21]
<i>Erronea xanthodon</i> (J. E. Gray in G.B. Sowerby I, 1832)	26,33,37,52
<b>Family Ovulidae</b>	
<i>Calpurnus verrucosus</i> (Linnaeus, 1758)	A[18]
<i>Crenavolva traillii</i> (A. Adams, 1855)	20
<i>Cuspivolva tigris</i> (Yamamoto, 1971)	A[18]
<i>Hiatavolva coarctata</i> (G.B. Sowerby II in A. Adams & Reeve, 1848)	A[18]
<i>Pellissimnia angasi</i> (Reeve, 1865)	38,46,47
<i>Phenacovolva haynesi</i> (Sowerby, 1889)	41
<i>Phenacovolva rosea</i> (Adams, 1854)	47, A[18],[19]
<i>Phenacovolva lahainaensis</i> (Cate, 1969)	[21],A[18]
<i>Prosinnia semperi</i> (Weinkauff, 1881)	A[18]
<b>Family Littorinidae</b>	
<i>Echinolittorina feejeensis</i> (Reeve,1857)	[22]
<i>Echinolittorina malaccana</i> (Philippi, 1847)	2-10,13,15,17-20,26-29,31,36-46,48,49,51,52, [21],[22],W[17],A[18],[19],[20]
<i>Echinolittorina vidua</i> (Gould,1859)	2,15,17,19,20,27-29,31,36,42,49,[22]
<i>Littoraria articulata</i> (Philippi, 1846)	1,32,36,[21],[22],W[17]
<i>Littoraria bengalensis</i> Reid, 2001	A[22]
<i>Littoraria carinifera</i> (Menke, 1830)	1,32,[22],A[20]
<i>Littoraria conica</i> (Philippi, 1846)	A[22]
<i>Littoraria intermedia</i> (Philippi, 1846)	[22]
<i>Littoraria melanostoma</i> (Gray,1839)	1,32,[21],[22]
<i>Littoraria pallescens</i> (Philippi, 1846)	1,32,41,[21],[22]
<i>Littoraria scabra</i> (Linnaeus,1758)	A[18],[19],[20],[22]
<i>Littoraria strigata</i> (Philippi, 1846)	1,32, A[18],[19],[20],[22]
<i>Littoraria undulata</i> (Gray, 1839)	A[20],[22]
<i>Peasiella roepstorffiana</i> (Nevill, 1885)	2,15,19, [22],A[20]
<b>Family Naticidae</b>	
<i>Eunaticina papilla</i> (Gmelin,1791)	8,10,22,29
<i>Euspira yokoyamai</i> (Kuroda & Habe, 1952)	26
<i>Natica arachnoidea</i> (Gmelin,1791)	27
<i>Stigmaulax cayennensis</i> (Récluz, 1850)	51
<i>Naticarius colliei</i> (Récluz, 1844)	39
<i>Tanea euzona</i> (Récluz, 1844)	53
<i>Natica fasciata</i> (Roding,1798)	50
<i>Notocochlis gualteriana</i> (Récluz, 1844)	12,19,20,29,31,52

<i>Tanea lineata</i> (Röding, 1798)	18,23,41,52,55,A[19]
<i>Natica luculenta</i> Iredale, 1929	29,55
<i>Naticarius onca</i> (Röding, 1798)	16,18,A[18],[20]
<i>Polinices candidissimus</i> (Le Guillou, 1842)	3
<i>Natica schepmani</i> Thiele, 1925	53
<i>Natica stellata</i> Hedley, 1913	19,25,51
<i>Notocochlis tigrina</i> (Röding, 1798)	[21],A[19],[20]
<i>Tanea undulata</i> (Röding, 1798)	51
<i>Natica unifasciata</i> Lamarck, 1822	19,20
<i>Natica vitellus</i> (Linnaeus, 1758)	21,23,24,27,31,41,49,51,52,55,W[17]
<i>Tanea zelandica</i> (Quoy & Gaimard, 1832)	28,37,52
<i>Polinices albumen</i> (Linnaeus, 1758)	[21]
<i>Neverita didyma</i> (Röding, 1798)	13,21,25,[21],A[19]
<i>Mammilla mammata</i> (Röding, 1798)	33,35-37,51,55
<i>Polinices mammilla</i> (Linnaeus, 1758)	2-9, 11-15, 17-20, 25-29, 38, 39, 41, 42, 44, 46-55, [21],W[17],A[18],[19],[20]
<i>Polinices powisianus</i> (Récluz, 1844)	10,38
<i>Polinices putealis</i> Garrard, 1961	14,26,27,
<i>Mammilla sebae</i> (Récluz, 1844)	A[18],[19]
<i>Mammilla simiae</i> (Deshayes, 1838)	A[20]
<i>Sigatica bathyraphe</i> (Pilsbry, 1911)	9
<i>Sinum haliotoideum</i> (Linnaeus, 1758)	27
<i>Sinum incisum</i> (Reeve, 1864)	A[18]
<b>Family Strombidae</b>	
<i>Lambis lambis</i> (Linnaeus, 1758)	51,[21], A[18],[19]
<i>Harpago chiragra</i> (Linnaeus, 1758)	[21],A[18],[19]
<i>Lambis scorpius</i> (Linnaeus, 1758)	A[18],[19]
<i>Lambis truncata</i> (Lightfoot, 1786)	A[18],[19]
<i>Laevistrombus canarium</i> (Linnaeus, 1758)	9, 11, 14, 21, 22, 24, 25, 28, 33, 36, 37, 39, 41, 50, [21], W[17], A[19],[20]
<i>Canarium erythrinum</i> (Dillwyn, 1817)	46
<i>Canarium labiatum</i> (Röding, 1798)	18,55, A[19],[20]
<i>Lentigo lentiginosus</i> (Linnaeus, 1758)	A[18]
<i>Conomurex luhuanus</i> (Linnaeus, 1758)	9, 15, 17, 20, 28, 29, 37, 41, 43, 44, 51, 52, 54, 55, [21],A[18],[19],[20]
<i>Margistrombus marginatus</i> (Linnaeus, 1758)	13,26, W[17],A[18],[19],[20]
<i>Margistrombus robustus</i> (G.B. Sowerby II, 1875)	18,21,23,25,51
<i>Margistrombus septimus</i> (Duclos, 1844)	31
<i>Dolomena plicata</i> (Röding, 1798)	52
<i>Dolomena pulchella</i> (Reeve, 1851)	29
<i>Strombus</i> sp.	26
<i>Terestrombus terebellatus</i> (G.B. Sowerby II, 1842)	A[19]
<i>Canarium urceus</i> (Linnaeus, 1758)	8,14-20,27-29,37,39,41,50-53,55, [21],W[17],A[18],[19]

<i>Dolomena variabilis</i> (Swainson, 1820)	14,27,30,51
<i>Doxander vittatus apicatus</i> (Man in 't Veld & Visser, 1993)	21,23,39,53,55
<i>Doxander vittatus vittatus</i> (Linnaeus, 1758)	23,27,29,31,37,51, [21],W[17],A[19]
<i>Canarium wilsonorum</i> (Abbott, 1967)	27,41,44
<i>Terebellum terebellum</i> (Linnaeus,1758)	55
<b>Family Bursidae</b>	
<i>Bufonaria rana</i> (Linnaeus,1758)	6,7,21,24,29,38,39,44, [21],W[17]
<b>Family Cassidae</b>	
<i>Casmaria ponderosa</i> (Gmelin, 1791)	A[18]
<i>Cassis cornuta</i> (Linnaeus,1758)	47,[21]
<i>Phalium areola</i> (Linnaeus,1758)	A[19]
<i>Phalium glaucum</i> (Linnaeus,1758)	8,18,21,24,38, [21],A[18],[19],[20]
<i>Semicassis bisulcata</i> (Schubert&Wagner,1829)	6,15,26,29,31,38,39,44,52,54,55.W[17], A[19],[20]
<b>Family Tonnidae</b>	
<i>Tonna dolium</i> (Linnaeus,1758)	A[19]
<b>Family Ranellidae</b>	
<i>Lotoria perryi</i> (Emerson & Old, 1963)	A[18]
<i>Monoplex pilearis</i> (Linnaeus, 1758)	A[18],[19]
<i>Ranularia oboesa</i> (Perry, 1811)	A[18]
<i>Gyrineum bituberculare</i> (Lamarck, 1816)	50
<i>Gyrineum gyrinum</i> (Linnaeus, 1758)	27,51, A[18],[19]
<i>Gyrineum natator</i> (Roding,1798)	31, A[18]
<i>Septa rubecula</i> (Linnaeus, 1758)	A[18]
<b>Family Personidae</b>	
<i>Distorsio reticularis</i> (Linnaeus, 1758)	A[18]
<b>Family Ficidae</b>	
<i>Ficus gracilis</i> (G.B. Sowerby I, 1825)	A[20]
<i>Ficus variegata</i> Roding,1798	23,30,31
<b>Family Hipponicidae</b>	
<i>Cheilea equestris</i> (Linnaeus, 1758)	A[19]
<i>Cheilea hipponiciformis</i> (Reeve, 1858)	10,18
<b>Family Vanikoridae</b>	
<i>Vanikoro fenestrata</i> (A.Adams, 1863)	9,12,13,20,50,55
<i>Vanikoroplicata</i> (Recluz, 1844)	13,A[18]
<i>Vanikoro helicoidea</i> (Guillu, 1842)	W[17], A[19]
<b>Family Triviidae</b>	
<i>Trivirostra oryza</i> (Lamarck, 1810)	A[19],[20]
<i>Trivirostra pellucidula</i> (Gaskoin,1846)	43,55
<b>Family Velutinidae</b>	
<i>Coriocellahybae</i> Wellens, 1991	A[18],[20]
<i>Coriocella nigra</i> Blainville, 1824	A[18],[20]

<b>Family Vermetidae</b>	
<i>Thylacodes medusae</i> Pilsbry, 1891	25,A[18]
<b>Family Xenophoridae</b>	
<i>Xenophora (Xenophora) solarioides</i> (Reeve, 1845)	51
<b>Family Cancellariidae</b>	
<i>Trigonostoma bicolor</i> (Hinds, 1843)	23
<b>Family Conidae</b>	
<i>Conus arenatus</i> Hwass in Bruguière, 1792	50
<i>Conus aulicus</i> Linnaeus,1758	A[18],[19]
<i>Conus betulinus</i> Linnaeus, 1758	44, A[18],[20]
<i>Conus capitaneus</i> Linnaeus,1758	43,48,52
<i>Conus characteristicus</i> Fischer von Waldheim,1807	28,39,41,51,52,55,[21],A[18]
<i>Conus daucus daucus</i> Hwass in Bruguière, 1792	A[19]
<i>Conus cocceus</i> Reeve, 1844	43
<i>Conus coelinae</i> Crosse, 1858	41
<i>Conus spectrum</i> Linnaeus, 1758	5
<i>Conus coronatus</i> Gmelin,1791	27,39,51,A[20]
<i>Conus cumingii</i> Reeve,1848	31
<i>Conus cyanostoma</i> Adams, 1855	41
<i>Conus distans</i> Hwass in Bruguiere, 1792	A[19]
<i>Conus eburneus</i> Hwass in Bruguière, 1792	[21],A[18],[19]
<i>Conus emaciatius</i> Reeve,1849	A[18]
<i>Conus eximius</i> Reeve,1849	41,46,50,52,55
<i>Conus figulinus</i> Linnaeus, 1758	[21]
<i>Conus flavidus</i> Lamarck, 1810	A[18]
<i>Conus generalis</i> Linnaeus, 1767	[21], A[18]
<i>Conus glaucus</i> Linnaeus, 1758	31
<i>Conus grangeri</i> G.B. Sowerby III, 1900	41,46,53
<i>Conus legatus</i> Lamarck, 1810	9
<i>Conus litteratus</i> Linnaeus,1758	38,41,44,52, [21],A[18],[19]
<i>Conus lividus</i> Hwass in Bruguière, 1792	A[19]
<i>Conus magus</i> Linnaeus, 1758	A[19]
<i>Conus marmoreus</i> Linnaeus,1758	17
<i>Conus miles</i> Linnaeus, 1758	A[18],[19]
<i>Conus miliaris</i> Hwass in Bruguiere, 1792	29,46,54,[21]
<i>Conus monachus</i> Linnaeus,1758	29,31,36,46
<i>Conus achatinus</i> Gmelin, 1791	[21]
<i>Conus mustelinus</i> Hwass in Bruguière, 1792	W[17],A[19]
<i>Conus nussatella</i> Linnaeus, 1758	A[19]
<i>Conus pennaceus</i> Born,1778	A[18]
<i>Conus pulcher</i> [Lightfoot],1786	27
<i>Conus quercinus</i> Lightfoot, 1786	39,41

<i>Conus rufimaculosus</i> Macpherson, 1959	29,41,42,46,52,55
<i>Conus striatus</i> Linnaeus, 1758	A[20]
<i>Conus striolatus</i> Kiener, 1848	20,48,52
<i>Conus terebra</i> Born,1778	28,48
<i>Conus tessulatus</i> Born,1778	41,52,55,[21]
<i>Conus textile</i> Linnaeus,1758	9,10,19,36,38,54,[21]
<i>Conus vexillum</i> Gmelin, 1791	39,41,[21], A[18],[19]
<i>Conus victoriae</i> Reeve, 1843	29,39,40
<i>Conus nodulosus</i> G.B. Sowerby II, 1864	55
<i>Conus virgo</i> Linnaeus,1758	55, [21], A[18],[19]
<i>Conus planorbis</i> Born, 1778	47
<i>Conus zonatus</i> Hwass in Bruguiere, 1792	A[18]
<b>Family Terebridae</b>	
<i>Terebra babylonia</i> Lamarck, 1822	A[18],[20]
<i>Cinguloterebra boucheti</i> (Bratcher, 1981)	26
<i>Cinguloterebra caddeyi</i> (Bratcher & Cernohorsky, 1982)	41
<i>Terebra cingulifera</i> Lamarck, 1822	10,18
<i>Terebra laevigata</i> Gray, 1834	9
<i>Oxymereis maculata</i> (Linnaeus, 1758)	43,50,55,[21]
<i>Strioterebrum nitidum</i> (Hinds, 1844)	26
<i>Terebra quoygaimardi</i> Cernohorsky & Bratcher, 1976	26
<i>Terebra subulata</i> (Linnaeus, 1767)	A[19]
<i>Terebra textilis</i> Hinds, 1844	50
<i>Myurella undulata</i> (Gray, 1834)	17,18
<b>Family Drilliidae</b>	
<i>Clavus exasperatus</i> (Reeve, 1843)	51
<i>Cymatosyrinx impolita</i> Kuroda, Habe & Oyama, 1971	50
<b>Family Turridae</b>	
<i>Unedogemmula unedo</i> (Kiener, 1839)	38
<i>Ptychobela flavidula</i> (Lamarck, 1822)	38
<b>Family Clavatulidae</b>	
<i>Turricula javana</i> (Linnaeus,1758)	1,21,22,31
<b>Family Babyloiniidae</b>	
<i>Babylonia areolata</i> (Link,1807)	21,31
<i>Babylonia spirata</i> (Linnaeus,1758)	A[19]
<b>Family Buccinidae</b>	
<i>Pollia bednalli</i> (G.B.Sowerby, 1895)	23
<i>Pollia fumosa</i> (Dillwyn, 1817)	9,10,17,20,31,46,50-52,55,W[17],A[19]
<i>Pollia undosa</i> (Linnaeus, 1758)	9,13,17,19,20,39,[21],A[19]
<i>Engina armillata</i> (Reeve, 1846)	16
<i>Engina mendicaria</i> (Linnaeus,1758)	A[19],[20]
<i>Nassaria pusilla</i> Roding, 1798	W[17]

<i>Phos sculptilis</i> Wattson, 1886	41
<i>Phos senticosus</i> (Linnaeus,1758)	13,21,23,26,27,37,41
<i>Pisania ignea</i> (Gmelin, 1791)	A[18]
<i>Clivipollia pulchra</i> (Reeve, 1846)	A[20]
<i>Solenosteira gatesi</i> Berry, 1963	25
<b>Family Colubrariidae</b>	
<i>Colubraria muricata</i> (Lightfoot,1786)	A[18]
<b>Family Melongenidae</b>	
<i>Hemifusus ternatanus</i> (Gmelin,1791)	1,18,21,22,24,32,39,44,52,W[17]
<i>Pugilina cochlidium</i> (Linnaeus,1758)	1,12,14,17,21,22,28,A[18],[20]
<b>Family Nassariidae</b>	
<i>Ilyanassa obsoleta</i> (Say,1822)	31
<i>Nassarius castus</i> (Gould,1850)	37
<i>Nassarius clarus</i> (Marrat, 1877)	6,8,10,17,18,30,51,52
<i>Nassarius comptus</i> (A. Adams, 1852)	11,15,38,39,51,52
<i>Nassarius concinnus</i> (Powys, 1835)	23,31
<i>Nassarius crematus</i> (Hinds,1844)	18,23,26,27,31,39,41,46,[21]
<i>Nassarius distortus</i> (A. Adams, 1852)	28,29,38,46,50-52,A[19]
<i>Nassarius dorsatus</i> (Roding,1798)	13,46,55,[21],A[18],[20]
<i>Nassarius gaudiosus</i> (Hinds,1844)	2
<i>Nassarius globosus</i> (Quoy & Gaimard, 1833)	[21],A[18],[19],[20]
<i>Nassarius jacksonianus</i> (Quoy & Gaimard, 1833)	A[18],[19],[20]
<i>Nassarius livescens</i> (Philippi, 1849)	W[17],A[20]
<i>Nassarius margaritifera</i> (Dunker, 1847)	25,[21]
<i>Nassarius pullus</i> (Linnaeus, 1758)	22,[21],A[18]
<i>Nassarius nodifer</i> (Powys, 1835)	9
<b>Family Columbelloidea</b>	
<i>Anachis sanfelipensis</i> Lowe,1935	26
<i>Euplica turturina</i> (Lamarck, 1822)	A[18]
<i>Euplica bidentata</i> (Menke, 1843)	14,43
<i>Pyrene flava</i> (Bruguiere,1789)	12
<i>Pyrene punctata</i> (Bruguiere,1789)	9,12,13,16,17,19,20,51,A[18]
<i>Euplica scripta</i> (Lamarck,1822)	12,13,15,17,31,39,46,47,51,[21],W[17], A[18],[19],[20]
<i>Pyrene testudinaria</i> (Link, 1807)	W[17]
<b>Family Costellariidae</b>	
<i>Vexillum (Costellaria) radix</i> (G. B. Sowerby II, 1874)	39,52
<i>Vexillum (Costellaria) obeliscus</i> (Reeve, 1844)	51
<i>Vexillum (Vexillum) plicarium</i> (Linnaeus, 1758)	A[19]
<i>Vexillum</i> sp.	38
<b>Family Harpidae</b>	
<i>Harpa articularis</i> Lamarck,1822	24,39,52,[21]
<i>Harpa major</i> (Roding,1798)	A[18]

<b>Family Marginellidae</b>	
<i>Cryptospira dactylus</i> (Lamarck, 1822)	27
<i>Cryptospira elegans</i> (Gmelin, 1791)	A[20]
<i>Cryptospira praecallosa</i> (Higgins, 1876)	A[19]
<i>Cryptospira tricincta</i> (Hinds, 1844)	11,27
<b>Family Mitridae</b>	
<i>Cancilla aegra</i> (Reeve, 1845)	9
<i>Domiporta granatina</i> (Lamarck, 1811)	51
<i>Domiporta praestantissima</i> (Roding, 1798)	37
<i>Mitra ambigua</i> Swainson, 1829	36
<i>Mitra aurantia</i> (Gmelin, 1791)	5, 8, 9, 11 - 13, 15 - 20, 26 - 29, 31, 33, 37, 39, 42, 51, [21], W[17], A[19], [20]
<i>Mitra chrysalis</i> Reeve, 1844	42
<i>Mitra colombelliformis</i> Kiener, 1838	A[19]
<i>Mitra contracta</i> Swainson, 1820	A[19]
<i>Mitra fraga</i> Quoy & Gaimard, 1833	26
<i>Mitra pauperula</i> (Linnaeus, 1758)	A[20]
<i>Mitra scutulata</i> (Gmelin, 1791)	[21], A[19]
<i>Mitra tabanula</i> Lamarck, 1811	27-29
<i>Mitra ustulata</i> Reeve, 1844	A[18]
<i>Neocancilla circula</i> (Keiner, 1838)	27
<i>Scabricola fissurata</i> (Lamarck, 1811)	38,55
<i>Scabricola ocellata</i> (Swainson, 1831)	18,38
<i>Ziba flammea</i> (Quoy & Gaimard, 1833)	38,39,55
<i>Subcancilla interlirata</i> (Reeve, 1844)	41,52,[21]
<b>Family Muricidae</b>	
<i>Chicoreus brunneus</i> (Link, 1807)	4, 7, 9, 10, 16, 17, 19, 20, 25 - 27, 29, 36, 39, 48, 51, 52, 55, [21], W[17], A[18], [19], [20]
<i>Chicoreus capucinus</i> (Lamarck, 1822)	1, 31, A[18], [19], [20]
<i>Chicoreus ramosus</i> (Linnaeus, 1758)	7, [21], A[18], [19], [20]
<i>Chicoreus torrefactus</i> (G. B. Sowerby II, 1841)	9, 15, 19, 27, 37, 43, [21], A[18], [19], [20]
<i>Coralliophila fearnleyi</i> (Emerson & D'Attilio, 1965)	[21]
<i>Morula (Habromorula) biconica</i> (Blainville, 1832)	[21], W[17], A, [18], [20]
<i>Ergalatax contracta</i> (Reeve, 1846)	2, 3, 13, 16, 50, 51
<i>Drupella margariticola</i> (Broderip, in Broderip & Sowerby, 1833)	5, 12 - 14, 16, 17, 19, 20, 27, 29, 37, 39, [21], W[17], A, [18], [20]
<i>Drupella rugosa</i> (Born, 1778)	8, 12, 15 - 17, 19, 20, 26 - 29, 33, 37, 39, 40, 43, 55, W[17]
<i>Homalocantha scorpio</i> (Linnaeus, 1758)	A[18]
<i>Homalocantha zamboi</i> (Burch & Burch, 1960)	A[18]
<i>Indothais malayensis</i> (Tan & Sigurdsson, 1996)	25
<i>Lataxiena blosvillei</i> (Deshayes, 1832)	21
<i>Orania ficula</i> (Reeve, 1848)	2, 4, 6, 7, 9, 10, 14, 15, 26, 37, 39
<i>Lataxiena fimbriata</i> (Hinds, 1844)	46



<i>Morula (Morula) anaxares</i> (Kiener, 1836)	A[20]
<i>Tenguella granulata</i> (Duclos, 1832)	[21],A[19]
<i>Tenguella marginalba</i> (Blainville, 1832)	A[20]
<i>Tenguella musiva</i> (Kiener, 1835)	19,20,28,29,31,37,39,46,51,55, [21],W[17], A[20]
<i>Semiricinula squamosa</i> (Pease, 1868)	20
<i>Morula (Habromorula) spinosa</i> (H. Adams & A. Adams, 1853)	6,13,15-19,26,29,33,39,42,43,51,55
<i>Murex djarianensis poppei</i> Houart, 1979	[21],A,[18],[19],[20]
<i>Murex scolopax</i> Dillwyn, 1817	A[18]
<i>Murex (Murex) trapa</i> Röding, 1798	15,17,22,24,29,31,37,39, [21],W[17],A[18],[19],[20]
<i>Murex (Murex) tribulus</i> Linnaeus, 1758	27,45
<i>Murex troscheli troscheli</i> Lischke,1868	38,A[18]
<i>Pseudoneptunea varicosa</i> (Gmelin,1791)	34
<i>Rapana rapiformis</i> (Born,1778)	24,31
<i>Thalassa aculeata</i> (Deshayes & Milne-Edwards, 1844)	9,11,13,15,19,20,25,28,29,31, [21],W[17],A[18],[19],[20]
<i>Mancinella alouina</i> (Röding, 1798)	29,[21]
<i>Reishia bitubercularis</i> (Lamarck, 1822)	13,25,31, [21],A[18],[19],[20]
<i>Reishia bronni</i> (Dunker, 1860)	A[18]
<i>Mancinella echinata</i> (Blainville, 1832)	2 - 10, 12, 14 - 19, 26 - 29, 33, 36, 37, 46 - 48, 52, 55, W[17],A[18],[20]
<i>Mancinella echinulata</i> (Lamarck, 1822)	A[20]
<i>Indothais lacera</i> (Born, 1778)	51
<i>Mancinella alouina</i> (Röding, 1798)	A[18],[20]
<i>Semiricinula muricina</i> (Blainville, 1832)	W[17],A[20]
<i>Indothais rufotincta</i> (K. S. Tan & Sigurdsson, 1996)	31
<i>Indothais sacellum</i> (Gmelin, 1791)	31
<i>Menathais tuberosa</i> (Röding, 1798)	[21],A[20]
<b>Family Fasciolariidae</b>	
<i>Benimakia lanceolata</i> (Reeve, 1847)	A[18]
<i>Filifusus filamentosus</i> (Röding, 1798)	A[18],[19],[20]
<i>Pleuroploca trapezium</i> (Linnaeus, 1758)	A[18],[19],[20]
<b>Family Olividae</b>	
<i>Oliva annulata</i> (Gmelin, 1791)	19,42,53,55
<i>Oliva hirasei</i> Kira,1959	26,27
<i>Agaronia plicaria</i> Lamarck, 1811	41
<i>Oliva miniacea</i> Roding, 1798	21,37,41,50,52
<i>Oliva oliva</i> (Linnaeus,1758)	24,27,29,37,39,51,55,[21]
<i>Agaronia gibbosa</i> (Born, 1778)	A[19]
<b>Family Turbinellidae</b>	
<i>Vasum turbinellus</i> (Linnaeus,1758)	19,39,48,52,55, [21],W[17],A[18],[19],[20]
<b>Family Volutidae</b>	
<i>Cymbiola nobilis</i> (Lightfoot,1786)	7,21,24,27,29,51,[21]
<i>Melo melo</i> (Lightfoot,1786)	7,31, [21],W[17],A[19]

<b>Family Janthinidae</b>	
<i>Janthina globosa</i> Swainson,1822	27,51,52,55,[21]
<b>Family Eulimidae</b>	
<i>Melanellabovicornu</i> (Pilsbry, 1905)	A[18]
<i>Thyca crystallina</i> (Gould, 1846)	A[19]
<b>Family Epitoniidae</b>	
<i>Epidendrium billeeanum</i> (DuShane & Bratcher, 1965)	A[18]
<b>Family Acteonidae</b>	
<i>Pupa nitidula</i> (Lamarck, 1816)	W[17]
<i>Pupa solidula</i> (Linnaeus,1758)	2,26
<i>Pupa solidula fumata</i> (Reeve, 1865)	51
<i>Pupa strigosa</i> (Gould, 1859)	18
<i>Pupa sulcata</i> (Gmelin, 1791)	17
<i>Pupa</i> sp.1	20
<i>Pupa</i> sp.2	9
<b>Family Haminoeidae</b>	
<i>Aliculastrum cylindricum</i> (Helbling, 1779)	17,18,38,39,41-45,48,50-52,55
<i>Atys naucum</i> (Linnaeus,1758)	5,13,17,18,23,31,39,46,51-53,A[19]
<i>Liloa porcellana</i> (Gould, 1859)	14
<b>Family Bullidae</b>	
<i>Bulla ampulla</i> Linnaeus, 1758	[21],A[18],[19],[20]
<i>Bulla striata</i> Bruguiere,1792	A[20]
<b>Family Bullinidae</b>	
<i>Bullina lineata</i> (Gray, 1825)	A[18]
Subclass PULMONATA	
<b>Family Siphonariidae</b>	
<i>Siphonaria atra</i> Quoy & Gaimard, 1833	28,29,39, W[17],A[18],[20]
<i>Siphonaria laciniosa</i> (Linnaeus, 1758)	A[18],[20]
<i>Siphonaria subatra</i> Pilsby, 1904	28,29,39
<b>Family Ellobiidae</b>	
<i>Cassidula aurisfelis</i> (Bruguiere,1789)	32,A[20]
<i>Ellobium aurisjudae</i> (Linnaeus,1758)	21,34
<i>Ellobium aurismidae</i> (Linnaeus,1758)	34
<i>Pythia reeveana</i> Pfeiffer, 1853	A[20]