

**AN ANNOTATED CHECKLIST OF MARINE AND FRESHWATER FISHES OF  
FIVE ISLANDS OF MISHIMA IN THE OSUMI ISLANDS,  
KAGOSHIMA, SOUTHERN JAPAN,  
WITH 109 NEW RECORDS**

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Cover photograph: *Amioides polyacanthus* (Apogonidae) off Iwo-jima island. Photo by S. Dewa

Back cover photograph: *Chromis bowesi* (Pomacentridae) off Iwo-jima island. Photo by S. Dewa

**An annotated checklist of marine and freshwater fishes of  
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**Abstract** An annotated checklist of marine and freshwater fishes of five islands of Mishima (including Take-shima, Iwo-jima, Kuro-shima, Showaiwo-jima, and Den-shima islands) in the Osumi Islands, Kagoshima, southern Japan, was compiled from specimen and literature surveys. All registered specimens previously recorded from Mishima in published papers were reexamined. A total of 541 species (267 genera and 111 families), including 109 species that represent the first reliable records from Mishima (120 species new to Kuro-shima, 45 new to Take-shima, 25 new to Iwo-jima, and 1 new to Den-shima islands) on the basis of collected specimens and/or underwater photographs, are listed with citation of literature, registration numbers, sizes, localities (island names), and some remarks. Twenty-five and five species recorded from the islands represent the specimen-based northernmost and southernmost records in Japanese waters.

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## Introduction

The Osumi Islands (Fig. 1) is an island group located in the northern extremities of the Nansei Islands (Osumi Islands south to Yaeyama Islands) and the Satsunan Islands (Osumi Islands to Amami Islands) and just south of southern Kyushu. It consists of six inhabited islands, i.e., Tanegashima, Yaku-shima, Kuchinoerabu-jima, Take-shima, Iwo-jima, and Kuro-shima islands, and three uninhabited islands, i.e., Mage-jima, Showaiwo-jima, and Den-shima islands. Among these islands, Take-shima, Iwo-jima, Kuro-shima, Showaiwo-jima, and Den-shima islands are called as Mishima or Kami-mishima, which are administratively included in Mishima Village.

Take-shima and Iwo-jima islands of Mishima are a part of northern edge of the Kikai Caldera, which spread 21 km west to east, and 18 km north to south, with 400–500 m depth. Mt. Iwodake (703 m height above the sea level) in Iwo-jima island is an active volcano, constantly fuming. In the Iwo-jima Fishing Port, hot springs containing a large amount of iron gush out from the bottom, turning reddish brown as they react with the seawater. Showaiwo-jima island off east side of Iwo-jima island was created by the 1934 eruption. Kuro-shima island, the largest island in Mishima, belongs to the Paleo-Ryukyuu Volcanic Belt along with the Uji Islands and Kusagaki Islands. Kuro-shima, meaning black island, is named because there are many trees growing throughout the island and looks black.

No comprehensive ichthyofaunal surveys and studies have been carried out in Mishima until Motomura et al. (2013a) published “Fishes of Iwo-jima and Take-shima islands”, reporting 414 marine species. Subsequently, Fukui et al. (2015) reported 23 deepwater fishes from off Kuro-shima island. To complete comprehensive ichthyofaunal survey of Mishima, Major expeditions were made in Kuro-shima island in November 2016 and in Take-shima island in March 2021, both involving 13 personnel from the Kagoshima University Museum, with several small scale expeditions in both islands. About 2000 specimens of marine fishes were collected during the expeditions.

Examination of the above-mentioned specimens, published literature, and unpublished underwater photographs taken at Mishima, confirmed 541 species of fishes from the islands. All species are listed below. Characteristics of the ichthyofauna of the five islands of Mishima are provided.

## Material and methods

Sampling methods were described and illustrated in Motomura et al. (2013a). Curatorial procedures for collected specimens followed Motomura and Ishikawa (2013). Standard and total lengths are abbreviated as SL and TL respectively. The systematic arrangement of families generally follows Motomura (2021). Within families, species are arranged in alphabetical order of the scientific name. Scientific and standard Japanese names follow Motomura (2021), the latter having been transliterated using the Hepburn system. Each species record was compiled from voucher specimens, underwater photographs, and/or published literature. Registration number, number of specimens registered (if more than one), mm in SL or TL, and locality as Take-shima, Iwo-jima, Kuro-shima, Showaiwo-jima, and Den-shima (expressed as without “island”) are listed in each species record. Color photographs of all of the newly recorded species in this study, except for those of the 14 species already published under mis-identifications and 3 species without photographs when fresh, are shown in plates 1–10.

Institutional codes used in this paper are as follows: KAUM (Kagoshima University Museum, Kagoshima, Japan), and NSMT (National Museum of Nature and Science, Tsukuba, Japan).

## Remarks

Examination of the above-mentioned newly collected specimens, published literature, and unpublished underwater photographs taken at Mishima and re-examination of museum specimens from Mishima showed that 338 species (169 genera and 61 families) were recorded from Iwo-jima, 247 species (140 genera and 57 families) from Take-shima, 146 species (108 genera and 70 families) from Kuro-shima, 14 species (14 genera and 8 families) from Showaiwo-jima, and one species *Opistognathus hopkinsi* (Jordan and Snyder,

1902) from Den-shima. A total of 541 species (269 genera and 111 families) of fishes were recorded from Mishima, 109 of which are the first records from Mishima. In each island, 120 species are the first records from Kuro-shima, 45 species from Take-shima, 25 species from Iwo-jima, and one species from Den-shima. In addition, 25 and 5 species represent the northernmost and southernmost specimen-based records, respectively, in Japanese waters (Table 1).

The number of species in the top 10 most speciose families occurring at Mishima are shown in Tables 2–5. Comparable data for 16 localities in southern Japan, including the Sagami Sea, Osezaki (Suruga Bay), Kushimoto (Kii Peninsula), Kashiwa-jima island (Shikoku), Yaku-shima island (Osumi Islands), Amami-os-hima island (Amami Islands), Kikai-jima island (Amami Islands), Tokunoshima island (Amami Islands), Okinoerabu-jima island (Amami Islands), Yoron-jima island (Amami Islands), Okinawa-jima island (Okinawa Islands), Ie-jima island (Okinawa Islands), the Miyako Islands, Ishigaki-jima island (Yaeyama Islands), Iriomote-jima island (Yaeyama Islands), and the Ogasawara Islands, were presented in in Motomura (2016: tables 1, 2), Nakae et al. (2018: table 2), Mochida and Motomura (2018: table 1), Motomura and Uehara (2020: table 1), and Fujiwara and Motomura (2020: table 1). Although Mishima is geographically located near Yaku-shima island, the top 10 most speciose families, and their percentages of number of species in each family to total number of species in Mishima (Table 5) were not the same with Yaku-shima island (Motomura, 2016: table 2), but Mishima's ichthyofauna was rather similar to those of locations along the Pa-

Table 1. A list of species from Mishima with specimen-based northernmost or southernmost record.

Family	Species	Locality	Remarks
Muraenidae	<i>Gymnothorax buroensis</i> (Bleeker, 1857)	Iwo-jima	NRS
Ophichthidae	<i>Brachysomophis henshawi</i> Jordan and Snyder, 1904	Kuro-shima	NRS
Holocentridae	<i>Myripristis pralinia</i> Cuvier, 1829	Kuro-shima	NRS
Scorpaenidae	<i>Parascorpaena moultoni</i> (Whitley, 1961)	Kuro-shima	NRS
	<i>Scorpaenopsis vittapinna</i> Randall and Eschmeyer, 2002	Iwo-jima	NRS
	<i>Sebastapistes fowleri</i> (Pietschmann, 1934)	Take-shima	NRS
Serranidae	<i>Pseudanthias parvirostris</i> (Randall and Lubbock, 1981)	Take-shima	SRJ
Pseudochromidae	<i>Amsichthys knighti</i> (Allen, 1987)	Take-shima	NRS
	<i>Pseudochromis cyanotaenia</i> Bleeker, 1857	Kuro-shima	NRS
	<i>Pseudoplesiops annae</i> (Weber, 1913)	Iwo-jima	NRS
Opistognathidae	<i>Opistognathus hopkinsi</i> (Jordan and Snyder, 1902)	Den-shima	NRS
Apogonidae	<i>Amioides polyacanthus</i> (Vaillant, 1877)	Iwo-jima	NRS
	<i>Apogon caudicinctus</i> Randall and Smith, 1988	Take-shima	NRS
	<i>Apogon crassiceps</i> Garman, 1903	Iwo-jima	NRS
	<i>Ostorhinchus cheni</i> Hayashi, 1990	Iwo-jima	NRS
	<i>Pseudamiops gracilicauda</i> (Lachner, 1953)	Kuro-shima	NRS
Pomacanthidae	<i>Genicanthus bellus</i> Randall, 1975	Iwo-jima	NRJ
Pomacentridae	<i>Azurina elerae</i> Fowler and Bean, 1928	Iwo-jima	NRS
	<i>Chromis bowesi</i> Arango et al., 2019	Iwo-jima	NRS
Scaridae	<i>Scarus festivus</i> Valenciennes, 1840	Iwo-jima	NRS
Tripterygiidae	<i>Enneapterygius hemimelas</i> (Kner and Steindachner, 1867)	Take-shima	NRS
	<i>Helcogramma rhinoceros</i> Hansen, 1986	Take-shima	NRS
	<i>Norfolkia thomasi</i> Whitley, 1964	Iwo-jima	NRS
	<i>Ucla xenogrammus</i> Holleman, 1993	Take-shima	NRS
Blenniidae	<i>Nannosalarias nativitatus</i> (Regan, 1909)	Take-shima	NRS
Gobiidae	<i>Trimma naudei</i> Smith, 1957	Kuro-shima	NRS
	<i>Trimmatom</i> sp.	Take-shima	NRJ
Pleuronectidae	<i>Tanakius kitaharae</i> (Jordan and Starks, 1904)	Kuro-shima	SRS
Triacanthodidae	<i>Tydemania navigatoris</i> Weber, 1913	Kuro-shima	SRJ

NRS: northernmost record for species; NRJ: northernmost record in Japanese waters; SRS: southernmost record for species; SRJ: southernmost record in Japanese waters.

cific coast of southern Japan (Motomura, 2016: table 2). The families Syngnathidae and Carangidae listed as the 9th and 10th speciose families, respectively, in the Sagami Sea and Osezaki were not listed in Mishima. The lack of Syngnathidae from the list in Mishima is probably due to a lack of estuarine and seagrass beds in Mishima. Because no commercial fisheries in Mishima, it is less opportunities to obtain carangids during the surveys. On the other hand, the family Holocentridae listed as the 10th speciose family in Mishima is not listed in any locations of southern Japan which is probably because Mishima has well developed coral and rocky reefs where holocentrids prefer to inhabit. Recently, Motomura (2015) proposed the “Osumi Line” a major biogeographical boundary for marine fishes in southern Japan that is located in the Osumi Islands between Yaku-shima, and “Tanegashima, Iwo-jima and Take-shima islands” (Motomura, 2017; Motomura and Harazaki, 2017; Motomura and Suzuki, 2019; Motomura and Matsunuma, 2022). Therefore, Mishima and Tanegashima island are located in southern edge of ichthyofauna of the Japanese mainland. Detailed description of the Osumi Line was given in Motomura (2015), Motomura and Suzuki (2019), and Motomura and Matsunuma (2022).

Table 2. Number of species in the top 10 most speciose families occurring at Take-shima Island.

Family	No. of species	% in total
Gobiidae	28	11.3
Apogonidae	20	8.1
Labridae	20	8.1
Serranidae	19	7.7
Pomacentridae	18	7.3
Scorpaenidae	15	6.1
Chaetodontidae	10	4.0
Tripterygiidae	10	4.0
Lutjanidae	7	2.8
Scaridae	6	2.4
Other families	94	38.1
Total	247	100

Table 4. Number of species in the top 12 most speciose families occurring at Kuro-shima Island.

Family	No. of species	% in total
Gobiidae	12	8.2
Holocentridae	9	6.2
Macrouridae	8	5.5
Apogonidae	6	4.1
Pomacentridae	6	4.1
Labridae	6	4.1
Serranidae	6	4.1
Scorpaenidae	5	3.4
Ogcocephalidae	4	2.7
Mullidae	4	2.7
Caetodontidae	4	2.7
Acanthuridae	4	2.7
Other families	72	49.3
Total	146	100

Table 3. Number of species in the top 12 most speciose families occurring at Iwo-jima Island, including Showaiwo-jima and Den-shima islands.

Family	No. of species	% in total
Labridae	38	10.9
Gobiidae	37	10.6
Pomacentridae	25	7.2
Scorpaenidae	23	6.6
Apogonidae	22	6.3
Serranidae	20	5.7
Blenniidae	14	4.0
Holocentridae	11	3.2
Chaetodontidae	10	2.9
Pomacanthidae	10	2.9
Scaridae	10	2.9
Acanthuridae	10	2.9
Other families	118	33.9
Total	348	100

Table 5. Number of species in the top 11 most speciose families occurring at Mishima.

Family	No. of species	% in total
Gobiidae	57	10.5
Labridae	46	8.5
Serranidae	35	6.5
Pomacentridae	32	5.9
Apogonidae	30	5.5
Scorpaenidae	26	4.8
Chaetodontidae	19	3.5
Blenniidae	16	3.0
Acanthuridae	15	2.8
Holocentridae	14	2.6
Scaridae	14	2.6
Other families	237	43.8
Total	541	100

**List of fishes from Mishima****FAMILY CHIMAERIDAE*****Hydrolagus mitsukurii* (Jordan and Snyder, 1904)**

[Jpn name: Akaginzame]

Fukui et al. (2015): KAUM-I. 55544, 296.7 mm TL, Kuro-shima.

**FAMILY SCYLIORHINIDAE*****Cephaloscyllium umbratile* Jordan and Fowler, 1903**

[Jpn name: Nanukazame] (Pl. 1A)

This study: KAUM-I. 104870, 316.9 mm TL, Kuro-shima.

**FAMILY HEXANCHIDAE*****Heptanchias perlo* (Bonnaterre, 1788)**

[Jpn name: Edoaburazame] (Pl. 1B)

This study: KAUM-I. 104923, 441.7 mm TL, Kuro-shima.

**FAMILY ETMOPTERIDAE*****Etmopterus molleri* (Whitley, 1939)**

[Jpn name: Hiretakafujikujira]

Fukui et al. (2015): KAUM-I. 55542, 283.9 mm, Kuro-shima; KAUM-I. 55543, 180.0 mm TL, Kuro-shima.

This study: KAUM-I. 104918, 334.2 mm TL, Kuro-shima; KAUM-I. 104919, 320.6 mm TL, Kuro-shima;

KAUM-I. 104924, 330.4 mm TL, Kuro-shima; KAUM-I. 104925, 358.1 mm TL, Kuro-shima; KAUM-I.

104926, 330.1 mm TL, Kuro-shima; KAUM-I. 104927, 358.7 mm TL, Kuro-shima; KAUM-I. 104930,

349.0 mm TL, Kuro-shima; KAUM-I. 104931, 185.1 mm TL, Kuro-shima; KAUM-I. 104964, 181.3 mm

TL, Kuro-shima.

**FAMILY RAJIDAE*****Dipturus gigas* (Ishiyama, 1958)**

[Jpn name: Zokasube] (Pl. 1C)

This study: KAUM-I. 104869, 336.3 mm TL, Kuro-shima.

**FAMILY DASYATIDAE*****Neotrygon orientalis* Last, White and Serét, 2016**

[Jpn name: Yakkoei] (Pl. 1D)

This study: KAUM-I. 96575, 293.3 mm TL, Kuro-shima.

***Taeniurops meyeri* (Müller and Henle, 1841)**

[Jpn name: Madaraei] (Pl. 1E)

This study: underwater photograph, Take-shima.

**FAMILY ALBULIDAE*****Pterothrissus gissu* Hilgendorf, 1877**

[Jpn name: Gisu]

Fukui et al. (2015): KAUM-I. 55546, 91.7 mm SL, Kuro-shima; KAUM-I. 55769, 373.0 mm SL, Kuro-shi-

ma. This study: KAUM-I. 104928, 300.7 mm SL, Kuro-shima.

**FAMILY MURAENIDAE*****Echidna polyzona* (Richardson, 1845)**

[Jpn name: Shimaarashiutsubo]

Hatooka (2013a): KAUM-I. 37767, 630.0 mm SL, Take-shima.

***Gymnothorax buroensis* (Bleeker, 1857)**

[Jpn name: Sangoutsubo]

Hatooka (2013b): KAUM-I. 30565, 143.8 mm SL, Iwo-jima.

Remarks: The Iwo-jima specimen represents the northernmost record for the species.

***Gymnothorax chilospilus* Bleeker, 1864**

[Jpn name: Minamiutsubo]

Hatooka (2013c): KAUM-I. 29405, 217.9 mm SL, Iwo-jima.

***Gymnothorax fimbriatus* (Bennett, 1832)**

[Jpn name: Herigoishiutsubo]

Hatooka (2013d): KAUM-I. 37755, 304.5 mm SL, Take-shima.

***Gymnothorax kidako* (Temminck and Schlegel, 1847)**

[Jpn name: Utsubo]

Hatooka (2013e): KAUM-I. 37905, 448.5 mm SL, Showaiwo-jima; underwater photograph, Iwo-jima.

***Gymnothorax melatremus* Schultz, 1953**

[Jpn name: Himeutsubo]

Hatooka (2013f): KAUM-I. 29749, 222.7 mm SL, Iwo-jima.

***Gymnothorax meleagris* (Shaw, 1795)**

[Jpn name: Wakautsubo]

Hatooka (2013g): KAUM-I. 29509, 340.6 mm SL, Iwo-jima; KAUM-I. 29601, 124.0 mm SL, Iwo-jima; KAUM-I. 29697, 400.0 mm SL, Iwo-jima; KAUM-I. 29698, 524.0 mm SL, Iwo-jima; KAUM-I. 30616, 256.0 mm SL, Iwo-jima; KAUM-I. 31398, 472.0 mm SL, Take-shima; KAUM-I. 37604, 322.7 mm SL, Iwo-jima; KAUM-I. 37673, 16.5 mm SL, Iwo-jima; NSMT-P 106075, 341.4 mm SL, Iwo-jima.

***Gymnothorax nudivomer* (Günther, 1867)**

[Jpn name: Adeutsubo]

Hatooka (2013h): KAUM-I. 29561, 481.0 mm SL, Iwo-jima; KAUM-I. 30613, 394.0 mm SL, Iwo-jima.

***Gymnothorax phasmatodes* (Smith, 1962)**

[Jpn name: Shinobiutsubo]

Hatooka (2013i): underwater photograph, Iwo-jima.

***Gymnothorax thyrsoideus* (Richardson, 1845)**

[Jpn name: Sabiutsubo]

Hatooka (2013j): KAUM-I. 31399, 640.0 mm SL, Take-shima.

**FAMILY OPHICHTHIDAE*****Brachysomophis henshawi* Jordan and Snyder, 1904**

[Jpn name: Hawaitatsuumihebi] (Pl. 1F)

This study: KAUM-I. 96516, 613.0 mm TL, Kuro-shima.

Remarks: The Kuro-shima specimen represents the northernmost record for the species.

**FAMILY CONGRIDAE*****Conger jordani* Kanazawa, 1958**

[Jpn name: Kuroanago]

Hatooka (2013k, as *Conger japonicus*): KAUM-I. 30591, 160.0 mm SL, Iwo-jima; KAUM-I. 32316, 87.7 mm SL, Iwo-jima; KAUM-I. 37603, 256.7 mm SL, Iwo-jima; KAUM-I. 37740, 116.6 mm SL, Take-shima.

***Heteroconger hassi* (Klausewitz and Eibl-Eibesfeldt, 1959)**

[Jpn name: Chin-anago]

Hatooka (2013l): underwater photograph, Take-shima.

**FAMILY SPRATELLOIDIDAE*****Spratelloides gracilis* (Temminck and Schlegel, 1846)**

[Jpn name: Kibinago]

Hata (2013b): KAUM-I. 29783, 28.4 mm SL, Take-shima; underwater photograph, Iwo-jima.

**FAMILY ENGRAULIDAE*****Engraulis japonica* Temminck and Schlegel, 1846**

[Jpn name: Katakuchiiwashi]

Hata (2013a, as *Engraulis japonicus*): KAUM-I. 37808, 77.9 mm SL, Iwo-jima; KAUM-I. 37813, 77.0 mm SL, Iwo-jima; NSMT-P 106132, 76.5 mm SL, Iwo-jima.

**FAMILY PLOTOSIDAE*****Plotosus japonicus* Yoshino and Kishimoto, 2008**

[Jpn name: Gonzui]

Nishiyama (2013a): KAUM-I. 29579, 103.3 mm SL, Iwo-jima; KAUM-I. 29580, 99.5 mm SL, Iwo-jima; KAUM-I. 30042, 105.5 mm SL, Iwo-jima; KAUM-I. 30044, 94.6 mm SL, Iwo-jima; NSMT-P 106946, 15.3 mm SL, Iwo-jima; underwater photographs, Iwo-jima, Take-shima.

**FAMILY ARGENTINIDAE*****Argentina kagoshimae* Jordan and Snyder, 1902**

[Jpn name: Kagoshimanigisu]

Fukui et al. (2015): KAUM-I. 55537, 167.7 mm SL, Kuro-shima; KAUM-I. 55771, 152.3 mm SL, Kuro-shima; KAUM-I. 55773, 177.4 mm SL, Kuro-shima.

**FAMILY STERNOPTYCHIDAE*****Polyipnus spinifer* Borodulina, 1979**

[Jpn name: Nokobahonen-eso] (Pl. 2A)

This study: KAUM-I. 104874, 44.2 mm SL, Kuro-shima; KAUM-I. 104875, 40.5 mm SL, Kuro-shima; KAUM-I. 104876, 39.1 mm SL, Kuro-shima; KAUM-I. 104877, 38.4 mm SL, Kuro-shima; KAUM-I. 104878, 44.2 mm SL, Kuro-shima; KAUM-I. 104879, 39.3 mm SL, Kuro-shima; KAUM-I. 104880, 36.9 mm SL, Kuro-shima; KAUM-I. 104881, 37.0 mm SL, Kuro-shima; KAUM-I. 104882, 37.5 mm SL, Kuro-shima; KAUM-I. 104883, 38.8 mm SL, Kuro-shima; KAUM-I. 104884, 34.0 mm SL, Kuro-shima; KAUM-I. 104885, 43.1 mm SL, Kuro-shima; KAUM-I. 104886, 44.1 mm SL, Kuro-shima; KAUM-I. 104962, 41.5 mm SL, Kuro-shima; KAUM-I. 104963, 39.5 mm SL, Kuro-shima.

**FAMILY ATELEOPODIDAE*****Ateleopus japonicus* Bleeker, 1853**

[Jpn name: Shachiburi] (Pl. 2B)

This study: KAUM-I. 104899, 522.8 mm SL, Kuro-shima.

**FAMILY SYNODONTIDAE*****Synodus dermatogenys* Fowler, 1912**

[Jpn name: Minamiakaeso]

Nishiyama (2013b): KAUM-I. 37722, 143.2 mm SL, Take-shima.

***Synodus variegatus* (Lacepède, 1803)**

[Jpn name: Hitosujieso]

Nishiyama (2013b, as *Synodus dermatogenys*): KAUM-I. 37635, 190.3 mm SL, Iwo-jima; KAUM-I. 37642, 166.2 mm SL, Iwo-jima; KAUM-I. 37783, 213.4 mm SL, Take-shima. Nishiyama (2013c, as *Synodus ulae*): KAUM-I. 29568, 40.0 mm SL, Take-shima. This study: KAUM-I. 96552, 126.6 mm SL, Kuro-shima.

**FAMILY CHLOROPHTHALMIDAE*****Chlorophthalmus albatrossis* Jordan and Starks, 1904**

[Jpn name: Aomeeso]

Fukui et al. (2015): KAUM-I. 55539, 150.0 mm SL, Kuro-shima; KAUM-I. 55540, 148.6 mm SL, Kuro-shima; KAUM-I. 55541, 140.8 mm SL, Kuro-shima; KAUM-I. 55725, 140.1 mm SL, Kuro-shima; KAUM-I. 55726, 135.6 mm SL, Kuro-shima; KAUM-I. 55727, 129.7 mm SL, Kuro-shima; KAUM-I. 55728, 156.8 mm SL, Kuro-shima; KAUM-I. 55729, 133.8 mm SL, Kuro-shima; KAUM-I. 55745, 136.8 mm SL, Kuro-shima; KAUM-I. 55746, 137.2 mm SL, Kuro-shima; KAUM-I. 55747, 142.4 mm SL, Kuro-shima; KAUM-I. 55760, 140.7 mm SL, Kuro-shima; KAUM-I. 55761, 140.5 mm SL, Kuro-shima; KAUM-I. 55762, 147.3 mm SL, Kuro-shima; KAUM-I. 55770, 118.6 mm SL, Kuro-shima.

**FAMILY MYCTOPHIDAE*****Diaphus chrysorhynchus* Gilbert and Cramer, 1897**

[Jpn name: Sagamihadaka] (Pl. 2C)

This study: KAUM-I. 104898, 78.6 mm SL, Kuro-shima.

***Diaphus watasei* Jordan and Starks 1904**

[Jpn name: Hadakaiwashi] (Pl. 2D)

This study: KAUM-I. 104912, 163.6 mm SL, Kuro-shima; KAUM-I. 104913, 145.4 mm SL, Kuro-shima.

**FAMILY POLYMIXIIDAE*****Polymixia japonica* Günther, 1877**

[Jpn name: Gimmedai]

Fukui et al. (2015): KAUM-I. 55545, 167.0 mm SL, Kuro-shima; KAUM-I. 55717, 165.7 mm SL, Kuro-shima; KAUM-I. 55718, 174.0 mm SL, Kuro-shima; KAUM-I. 55723, 149.8 mm SL, Kuro-shima; KAUM-I. 55749, 167.9 mm SL, Kuro-shima; KAUM-I. 55767, 172.1 mm SL, Kuro-shima.

**FAMILY MORIDAE*****Physiculus japonicus* Hilgendorf, 1879**

[Jpn name: Chigodara]

Fukui et al. (2015): KAUM-I. 55550, 156.4 mm SL, Kuro-shima.

**FAMILY MACROURIDAE*****Coelorinchus anatrostris* Jordan and Gilbert, 1904**

[Jpn name: Nezumihige]

Fukui et al. (2015): KAUM-I. 55531, 348.1 mm TL, Kuro-shima; KAUM-I. 55752, 315.1 mm TL, Kuro-shima; KAUM-I. 55753, 281.8 mm TL, Kuro-shima; KAUM-I. 55775, 280.5+ mm TL, Kuro-shima;

KAUM-I. 55779, 191.8+ mm TL, Kuro-shima; KAUM-I.55780, 200.4+ mm TL, Kuro-shima; KAUM-I. 55781, 233.3+ mm TL, Kuro-shima; KAUM-I. 55782, 228.8+ mm TL, Kuro-shima; KAUM-I. 55783, 290.0+ mm TL, Kuro-shima; KAUM-I. 55784, 331.7 mm TL, Kuro-shima; KAUM-I. 55785, 248.0 mm TL, Kuro-shima; KAUM-I. 55786, 296.5+ mm TL, Kuro-shima; KAUM-I. 55787, 279.0+ mm TL, Kuro-shima. This study: KAUM-I. 104900, 224.8 mm SL, Kuro-shima; KAUM-I. 104903, 207.4 mm SL, Kuro-shima; KAUM-I. 104929, 316.1+ mm TL, Kuro-shima.

***Coelorinchus fuscigulus* Iwamoto, Ho and Shao, 2009**

[Jpn name: Shimasokodara]

Fukui et al. (2015, as *Coelorinchus hubbsi*): KAUM-I. 55534, 250.0+ mm TL, Kuro-shima.

***Coelorinchus hige* Matsubara, 1943**

[Jpn name: Katahige]

This study: KAUM-I. 104909, 134.0 mm SL, Kuro-shima.

***Coelorinchus hubbsi* Matsubara, 1936**

[Jpn name: Moyohige]

Fukui et al. (2015): KAUM-I. 55532, 230.2+ mm TL, Kuro-shima.

***Coelorinchus kamoharai* Matsubara, 1943**

[Jpn name: Ichimonjihige]

Fukui et al. (2015): KAUM-I. 55533, 270.5 mm TL, Kuro-shima.

***Hymenocephalus striatissimus* Jordan and Gilbert, 1904**

[Jpn name: Sujidara] (Pl. 2E)

This study: KAUM-I. 104907, 108.3 mm SL, Kuro-shima; KAUM-I. 104910, 129.4 mm SL, Kuro-shima.

***Spicomacrurus kuronumai* (Kamohara, 1938)**

[Jpn name: Yaridara] (Pl. 2F)

This study: KAUM-I. 104904, 184.0+ mm TL, Kuro-shima; KAUM-I. 104905, 171.6 mm SL, Kuro-shima; KAUM-I. 104906, 153.3 mm SL, Kuro-shima.

***Ventrifossa garmani* (Jordan and Gilbert, 1904)**

[Jpn name: Sagamisokodara]

Fukui et al. (2015): KAUM-I. 55535, 195.5+ mm TL, Kuro-shima; KAUM-I. 55536, 185.2+ mm TL, Kuro-shima; KAUM-I. 55763, 190.5+ mm TL, Kuro-shima; KAUM-I. 55764, 228.5+ mm TL, Kuro-shima; KAUM-I. 55778, 215.5+ mm TL, Kuro-shima. This study: KAUM-I. 104873, 307.1+ mm TL, Kuro-shima; KAUM-I. 104908, 178.3+ mm TL, Kuro-shima.

**FAMILY OPHIDIIDAE**

***Brotula multibarata* Temminck and Schlegel, 1846**

[Jpn name: Itachiuo]

Tashiro (2013a): KAUM-I. 31652, 133.8 mm TL, Iwo-jima.

***Neobythites stigmatosus* Machida, 1984**

[Jpn name: Shimaitachiuo] (Pl. 2G)

This study: KAUM-I. 104952, 163.1 mm TL, Kuro-shima.

**FAMILY ANTENNARIIDAE*****Antennarius commerson* (Lacepède, 1798)**

[Jpn name: Omonkaeruanko]

Yoshida (2013a): underwater photograph, Iwo-jima.

***Antennatus nummifer* (Cuvier, 1817)**

[Jpn name: Benikaeruanko]

Yoshida (2013b): KAUM-I. 29519, 19.2 mm SL, Iwo-jima; KAUM-I. 30567, 43.5 mm SL, Iwo-jima; KAUM-I. 32324, 41.6 mm SL, Iwo-jima.

***Histrio histrio* (Linnaeus, 1758)**

[Jpn name: Hanaokoze]

Yoshida (2013c): KAUM-I. 37799, 19.0 mm SL, Iwo-jima.

**FAMILY CHAUNACIDAE*****Chaunax abei* Le Danois, 1978**

[Jpn name: Midorifusaanko] (Pl. 2H)

This study: KAUM-I. 104951, 83.7 mm SL, Kuro-shima.

***Chaunax penicillatus* McCulloch, 1915**

[Jpn name: Hanagurofusaanko]

Fukui et al. (2015, as *Chaunax tosaensis*): KAUM-I. 55554, 251.3 mm SL, Kuro-shima; KAUM-I. 55555, 148.3 mm SL, Kuro-shima; KAUM-I. 55754, 203.5 mm SL, Kuro-shima; KAUM-I. 55759, 144.5 mm SL, Kuro-shima; KAUM-I. 55788, 162.0 mm SL, Kuro-shima.**FAMILY OGCOCEPHALIDAE*****Malthopsis gigas* Ho and Shao, 2010**

[Jpn name: Kowanukefuryuuu] (Pl. 2I)

This study: KAUM-I. 104897, 75.5 mm SL, Kuro-shima.

**FAMILY BERYCIDAE*****Beryx decadactylus* Cuvier, 1829**

[Jpn name: Nan-yokimme] (Pl. 2J)

This study: KAUM-I. 97942, 227.2 mm SL, Kuro-shima; KAUM-I. 97943, 263.9 mm SL, Kuro-shima.

***Beryx mollis* Abe, 1959**

[Jpn name: Fusenkimme]

Fukui et al. (2015): KAUM-I. 55559, 123.6 mm SL, Kuro-shima; KAUM-I. 55748, 117.0 mm SL, Kuro-shima. This study: KAUM-I. 97941, 270.3 mm SL, Kuro-shima.

***Centroberyx druzhinini* (Busakhin, 1981)**

[Jpn name: Kimmedamashi] (Pl. 2K)

This study: KAUM-I. 97958, 293.3 mm SL, Kuro-shima.

**FAMILY HOLOCENTRIDAE*****Myripristis berndti* Jordan and Evermann, 1903**

[Jpn name: Akamatsukasa]

Nishiyama (2013d): KAUM-I. 31708, 150.0 mm SL, Iwo-jima. This study: KAUM-I. 96531, 168.7 mm SL, Kuro-shima.

***Myripristis botche* Cuvier, 1829**

[Jpn name: Urokomatsukasa]

Nishiyama (2013e): KAUM-I. 29797, 180.5 mm SL, Take-shima; underwater photographs, Iwo-jima, Take-shima.

***Myripristis greenfieldi* Randall and Yamakawa, 1996**

[Jpn name: Tsumarimatsukasa] (Pl. 3A)

This study: KAUM-I. 96530, 138.3 mm SL, Kuro-shima.

***Myripristis kochiensis* Randall and Yamakawa, 1996**

[Jpn name: Namimatsukasa]

Nishiyama (2013f): KAUM-I. 29496, 131.6 mm SL, Iwo-jima; KAUM-I. 29497, 132.6 mm SL, Iwo-jima; KAUM-I. 29498, 134.5 mm SL, Iwo-jima; KAUM-I. 29545, 82.4 mm SL, Iwo-jima; KAUM-I. 30564, 44.4 mm SL, Iwo-jima; KAUM-I. 31709, 104.1 mm SL, Take-shima; KAUM-I. 31710, 120.0 mm SL, Take-shima; KAUM-I. 31711, 140.5 mm SL, Take-shima; KAUM-I. 31712, 89.7 mm SL, Take-shima; NSMT-P 106963, 137.0 mm SL, Iwo-jima; NSMT-P 106964, 139.0 mm SL, Iwo-jima; NSMT-P 106965, 114.0 mm SL, Iwo-jima; underwater photograph, Iwo-jima. This study: KAUM-I. 95963, 159.3 mm SL, Kuro-shima; KAUM-I. 95964, 147.1 mm SL, Kuro-shima; KAUM-I. 96539, 125.0 mm SL, Kuro-shima; KAUM-I. 96540, 125.7 mm SL, Kuro-shima; KAUM-I. 96541, 144.9 mm SL, Kuro-shima.

***Myripristis kuntee* Valenciennes, 1831**

[Jpn name: Kuroobimatsukasa]

Nishiyama (2013g): KAUM-I. 29670, 112.2 mm SL, Take-shima; KAUM-I. 29671, 140.8 mm SL, Take-shima.

***Myripristis pralinia* Cuvier, 1829**

[Jpn name: Koganematsukasa] (Pl. 3B)

This study: KAUM-I. 96529, 131.0 mm SL, Kuro-shima; KAUM-I. 96532, 126.8 mm SL, Kuro-shima.

Remarks: The Kuro-shima specimens represent the northernmost records for the species.

***Myripristis vittata* Valenciennes, 1831**

[Jpn name: Benimatsukasa]

Nishiyama (2013h): KAUM-I. 37925, 148.4 mm SL, Iwo-jima. This study: KAUM-I. 95965, 127.1 mm SL, Kuro-shima; KAUM-I. 95966, 126.0 mm SL, Kuro-shima.

***Neoniphon aurolineatus* (Liénard, 1839)**

[Jpn name: Hohobeniittodai]

Nishiyama (2013i): KAUM-I. 37629, 155.7 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Sargocentron caudimaculatum* (Rüppell, 1838)**

[Jpn name: Kurakakeebisu]

Nishiyama (2013j): KAUM-I. 31707, 150.4 mm SL, Iwo-jima.

***Sargocentron diadema* (Lacepède, 1802)**

[Jpn name: Nijiebisu]

Nishiyama (2013k): KAUM-I. 29618, 137.0 mm SL, Iwo-jima; KAUM-I. 29619, 133.1 mm SL, Iwo-jima; KAUM-I. 29620, 150.2 mm SL, Iwo-jima; KAUM-I. 34003, 140.7 mm SL, Iwo-jima; KAUM-I. 37798, 139.3 mm SL, Iwo-jima. This study: KAUM-I. 96534, 118.6 mm SL, Kuro-shima.

***Sargocentron ittodai* (Jordan and Fowler, 1902)**

[Jpn name: Teriebisu]

Nishiyama (2013l): KAUM-I. 31683, 135.0 mm SL, Iwo-jima; NSMT-P 106966, 122.0 mm SL, Iwo-jima; NSMT-P 106967, 141.0 mm SL, Iwo-jima; NSMT-P 106968, 130.0 mm SL, Iwo-jima. This study: KAUM-I. 96528, 122.5 mm SL, Kuro-shima; KAUM-I. 96533, 135.9 mm SL, Kuro-shima; KAUM-I. 96538, 125.9 mm SL, Kuro-shima.

***Sargocentron melanospilos* (Bleeker, 1858)**

[Jpn name: Sumitsukikanoko]

Nishiyama (2013m): KAUM-I. 30573, 184.8 mm SL, Take-shima; KAUM-I. 37926, 182.4 mm SL, Iwo-jima. This study: KAUM-I. 96576, 142.3 mm SL, Kuro-shima.

***Sargocentron praslin* (Lacepède, 1802)**

[Jpn name: Kuroobiebisu]

Nishiyama (2013n): KAUM-I. 37909, 184.5 mm SL, Iwo-jima. This study: KAUM-I. 96537, 139.6 mm SL, Kuro-shima; KAUM-I. 96542, 168.7 mm SL, Kuro-shima.

***Sargocentron punctatissimum* (Cuvier, 1829)**

[Jpn name: Hoshiebisu]

Nishiyama (2013o): KAUM-I. 29546, 101.9 mm SL, Iwo-jima; KAUM-I. 29613, 141.5 mm SL, Iwo-jima.

**FAMILY MONOCENTRIDAE*****Monocentris japonica* (Houttuyn, 1782)**

[Jpn name: Matsukasauo]

Haraguchi (2013a): KAUM-I. 29733, 20.7 mm SL, Iwo-jima.

**FAMILY DIRETMIDAE*****Diretmichthys parini* (Post and Quéro, 1981)**

[Jpn name: Nakamuragimme] (Pl. 3C)

This study: KAUM-I. 104892, 85.0 mm SL, Kuro-shima; KAUM-I. 104893, 91.9 mm SL, Kuro-shima.

**FAMILY PARAZENIDAE*****Cyttopsis rosea* (Lowe, 1843)**

[Jpn name: Kagomatodai] (Pl. 3D)

This study: KAUM-I. 104891, 81.5 mm SL, Kuro-shima.

**FAMILY ZENIIDAE*****Zenion japonicum* Kamohara, 1934**

[Jpn name: Sokomatodai] (Pl. 3E)

This study: KAUM-I. 104889, 63.2 mm SL, Kuro-shima; KAUM-I. 104890, 63.9 mm SL, Kuro-shima.

**FAMILY PEGASIDAE*****Eurypegusus draconis* (Linnaeus, 1766)**

[Jpn name: Umitengu]

Chiba (2013a): KAUM-I. 37927, 69.3 mm SL, Iwo-jima; KAUM-I. 37928, 54.0 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

**FAMILY AULOSTOMIDAE*****Aulostomus chinensis* (Linnaeus, 1766)**

[Jpn name: Herayagara]

Chiba (2013f): NSMT-P 106150, 820.0 mm SL, Iwo-jima; underwater photograph, Iwo-jima. This study: KAUM-I. 96518, 621.0 mm SL, Kuro-shima; KAUM-I. 96548, 517.5 mm SL, Kuro-shima; KAUM-I. 96567, 656.0 mm SL, Kuro-shima.

**FAMILY FISTULARIIDAE*****Fistularia commersonii* Rüppell, 1838**

[Jpn name: Aoyagara]

Chiba (2013g): KAUM-I. 29622, 776.3 mm SL, Iwo-jima; NSMT-P 106122, 890.0 mm SL, Take-shima; underwater photograph, Iwo-jima. This study: KAUM-I. 96519, 686.0 mm SL, Kuro-shima; KAUM-I. 96566, 935.0 mm SL, Kuro-shima; KAUM-I. 96583, 621.0 mm SL, Kuro-shima; KAUM-I. 129837, 825.0 mm SL, Take-shima; KAUM-I. 158016, 1138.0 mm SL, Iwo-jima; KAUM-I. 158017, 890.0 mm SL, Iwo-jima.

**FAMILY CENTRISCIDAE*****Aeoliscus strigatus* (Günther, 1861)**

[Jpn name: Hekoayu] (Pl. 3F)

This study: KAUM-I. 156523, 138.5 mm SL, Take-shima; KAUM-I. 156524, 136.3 mm SL, Take-shima.

**FAMILY SOLENOSTOMIDAE*****Solenostomus paradoxus* (Pallas, 1770)**

[Jpn name: Nishikifuraiuo]

Oishi (2013): underwater photograph, Take-shima.

**FAMILY SYNGNATHIDAE*****Corythoichthys haematopterus* (Bleeker, 1851)**

[Jpn name: Ishiyoji]

Chiba (2013b): KAUM-I. 37724, 130.5 mm SL, Take-shima.

***Doryrhamphus (Doryrhamphus) japonicus* Araga and Yoshino, 1975**

[Jpn name: Nokogiriyoji]

Chiba (2013c, as *Doryrhamphus japonicus*): KAUM-I. 29504, 46.0 mm SL, Iwo-jima; KAUM-I. 29506, 52.6 mm SL, Iwo-jima; KAUM-I. 29685, 62.7 mm SL, Take-shima; KAUM-I. 30540, 61.1 mm SL, Iwo-jima; KAUM-I. 31413, 73.2 mm SL, Iwo-jima; KAUM-I. 37789, 60.5 mm SL, Iwo-jima; KAUM-I. 93770, 69.6 mm SL, Iwo-jima; NSMT-P 106082, 54.9 mm SL, Iwo-jima; NSMT-P 106166, 55.2 mm SL, Take-shima. This study: KAUM-I. 129797, 55.2 mm SL, Take-shima.

***Doryrhamphus (Dunckerocampus) naia* Allen and Kuiter, 2004**

[Jpn name: Kasumioiran-yoji]

Chiba (2013d, as *Dunckerocampus naia*): KAUM-I. 30534, 88.7 mm SL, Iwo-jima.

***Halicampus brocki* (Herald, 1953)**

[Jpn name: Nokogiriumiyakko] (Pl. 3G)

This study: KAUM-I. 129795, 74.5 mm SL, Take-shima; KAUM-I. 129796, 79.1 mm SL, Take-shima.

***Hippocampus bargibanti* Whitley, 1970**

[Jpn name: N/A]

Chiba (2013e): underwater photograph, Iwo-jima.

**FAMILY MUGILIDAE*****Chelon macrolepis* (Smith, 1846)**

[Jpn name: Kobora]

Hata (2013c): KAUM-I. 37702, 28.3 mm SL, Iwo-jima; KAUM-I. 37842, 28.3 mm SL, Iwo-jima; KAUM-I. 37843, 19.0 mm SL, Iwo-jima; KAUM-I. 37844, 26.4 mm SL, Iwo-jima; KAUM-I. 37845, 28.6 mm SL, Iwo-jima; KAUM-I. 37886, 23.3 mm SL, Iwo-jima; KAUM-I. 41015, 26.6 mm SL, Iwo-jima; KAUM-I. 41016, 26.7 mm SL, Iwo-jima; KAUM-I. 41017, 26.7 mm SL, Iwo-jima; KAUM-I. 41018, 26.4 mm SL, Iwo-jima; KAUM-I. 41019, 27.1 mm SL, Iwo-jima; KAUM-I. 41020, 23.4 mm SL, Iwo-jima; KAUM-I. 41021, 25.2 mm SL, Iwo-jima; KAUM-I. 41022, 22.4 mm SL, Iwo-jima; KAUM-I. 41023, 24.3 mm SL, Iwo-jima; KAUM-I. 41024, 25.7 mm SL, Iwo-jima; KAUM-I. 41025, 26.9 mm SL, Iwo-jima; KAUM-I. 41026, 26.0 mm SL, Iwo-jima; KAUM-I. 41027, 22.8 mm SL, Iwo-jima; KAUM-I. 41028, 26.8 mm SL, Iwo-jima; KAUM-I. 41029, 24.0 mm SL, Iwo-jima; NSMT-P 106144, 26.7 mm SL, Iwo-jima.

**FAMILY ATHERINIDAE*****Atherion elymus* Jordan and Starks, 1901**

[Jpn name: Mugiiwashi]

Hata (2013d): KAUM-I. 37719, 43.9 mm SL, Take-shima.

**FAMILY BELONIDAE*****Tylosurus crocodilus crocodilus* (Péron and Lesueur, 1821)**

[Jpn name: Okizayori]

Tashiro (2013b): underwater photograph, Iwo-jima.

**FAMILY SCORPAENIDAE*****Dendrochirus biocellatus* (Fowler, 1938)**

[Jpn name: Hireboshiminokasago]

Motomura (2013a): KAUM-I. 29693, 58.9 mm SL, Take-shima; KAUM-I. 32670, 84.8 mm SL, Iwo-jima; KAUM-I. 37792, 82.0 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Dendrochirus brachypterus* (Cuvier, 1829)**

[Jpn name: Shimahimeyamanokami]

Motomura (2013b): underwater photograph, Take-shima. This study: KAUM-I. 156381, 47.3 mm SL, Take-shima; KAUM-I. 156382, 23.5 mm SL, Take-shima.

***Dendrochirus zebra* (Cuvier, 1829)**

[Jpn name: Kirimmino]

Motomura (2013c): KAUM-I. 29569, 162.1 mm SL, Take-shima; KAUM-I. 29632, 98.4 mm SL, Iwo-jima; KAUM-I. 30624, 121.0 mm SL, Iwo-jima. This study: KAUM-I. 96545, 151.5 mm SL, Kuro-shima.

***Parascorpaena mcadamsi* (Fowler, 1938)**

[Jpn name: Togeittenfusakasago]

Motomura (2013d): KAUM-I. 29562, 66.6 mm SL, Iwo-jima; KAUM-I. 29630, 61.5 mm SL, Iwo-jima; KAUM-I. 32345, male, 45.8 mm SL, Iwo-jima; KAUM-I. 37665, male, 36.9 mm SL, Iwo-jima; KAUM-I. 37666, 32.0 mm SL, Iwo-jima; KAUM-I. 37668, 65.1 mm SL, Iwo-jima.

***Parascorpaena mossambica* (Peters, 1855)**

[Jpn name: Nettaifusakasago]

Motomura (2013e): KAUM-I. 30548, 53.0 mm SL, Iwo-jima; KAUM-I. 37732, 39.5 mm SL, Take-shima; NSMT-P 106111, 76.3 mm SL, Take-shima; underwater photograph, Iwo-jima.

***Parascorpaena moultoni* (Whitley, 1961)**

[Jpn name: Ittenfusakasago]

Motomura (2013f): KAUM-I. 29629, 46.3 mm SL, Iwo-jima; KAUM-I. 30549, 42.8 mm SL, Iwo-jima; KAUM-I. 30588, male, 41.1 mm SL, Iwo-jima; KAUM-I. 31644, male, 24.5 mm SL, Iwo-jima; KAUM-I. 32672, female, 24.9 mm SL, Iwo-jima. This study: KAUM-I. 95918, 44.2 mm SL, Kuro-shima.

Remarks: The Kuro-shima specimen represents the northernmost record for the species.

***Pterois antennata* (Bloch, 1787)**

[Jpn name: Nettainokasago]

Motomura (2013g): KAUM-I. 29634, 72.4 mm SL, Iwo-jima; KAUM-I. 29635, 74.7 mm SL, Iwo-jima; KAUM-I. 29745, 101.6 mm SL, Iwo-jima; KAUM-I. 37938, 67.3 mm SL, Iwo-jima; KAUM-I. 29746, 154.0 mm SL, Iwo-jima; underwater photograph, Take-shima.

***Pterois radiata* Cuvier, 1829**

[Jpn name: Kimiokoze]

Motomura (2013h): underwater photograph, Iwo-jima.

***Pterois volitans* (Linnaeus, 1758)**

[Jpn name: Hanaminokasago]

Motomura (2013i): KAUM-I. 29524, 153.4 mm SL, Iwo-jima; KAUM-I. 29525, 187.2 mm SL, Iwo-jima; KAUM-I. 29526, 83.3 mm SL, Iwo-jima; KAUM-I. 29570, 121.5 mm SL, Take-shima; KAUM-I. 29633, 147.3 mm SL, Iwo-jima; KAUM-I. 29636, 70.4 mm SL, Iwo-jima; KAUM-I. 29637, 28.2 mm SL, Iwo-jima; KAUM-I. 29744, 122.7 mm SL, Iwo-jima; KAUM-I. 37995, 264.2 mm SL, Iwo-jima; KAUM-I. 37996, 230.0 mm SL, Iwo-jima; underwater photograph, Iwo-jima. This study: KAUM-I. 96569, 169.4 mm SL, Kuro-shima; KAUM-I. 156380, 67.6 mm SL, Take-shima.

***Scorpaenodes evides* (Jordan and Thompson, 1914)**

[Jpn name: Isokasago]

Motomura (2013j): KAUM-I. 29492, 43.6 mm SL, Iwo-jima; KAUM-I. 29493, 37.0 mm SL, Iwo-jima; KAUM-I. 29494, 41.6 mm SL, Iwo-jima; KAUM-I. 29499, 57.2 mm SL, Iwo-jima; KAUM-I. 29518, 23.0 mm SL, Iwo-jima; KAUM-I. 29627, 76.2 mm SL, Iwo-jima; KAUM-I. 29628, 73.6 mm SL, Iwo-jima; KAUM-I. 29675, 27.2 mm SL, Take-shima; KAUM-I. 29732, 31.0 mm SL, Iwo-jima; KAUM-I. 29766, 41.2 mm SL, Take-shima; KAUM-I. 29784, 41.2 mm SL, Take-shima; KAUM-I. 30547, 69.8 mm SL, Iwo-jima; KAUM-I. 30550, 34.8 mm SL, Iwo-jima; KAUM-I. 30587, 42.6 mm SL, Iwo-jima; KAUM-I. 30589, 29.9 mm SL, Iwo-jima; KAUM-I. 30590, 26.9 mm SL, Iwo-jima; KAUM-I. 31405, 49.2 mm SL, Iwo-jima; KAUM-I. 31641, 52.7 mm SL, Iwo-jima; KAUM-I. 31642, 73.0 mm SL, Iwo-jima; KAUM-I. 31682, 22.5 mm SL, Iwo-jima; KAUM-I. 31702, 62.1 mm SL, Iwo-jima; KAUM-I. 32319, 55.8 mm SL, Iwo-jima; KAUM-I. 32320, 58.1 mm SL, Iwo-jima; KAUM-I. 32321, 48.2 mm SL, Iwo-jima; KAUM-I. 32340, 70.3 mm SL, Iwo-jima; KAUM-I. 32341, 47.4 mm SL, Iwo-jima; KAUM-I. 32342, 44.3 mm SL, Iwo-jima; KAUM-I. 32343, 44.2 mm SL, Iwo-jima; KAUM-I. 32344, 27.0 mm SL, Iwo-jima; KAUM-I. 37667, 19.7 mm SL, Iwo-jima; KAUM-I. 37696, 73.6 mm SL, Iwo-jima; KAUM-I. 37821, 61.2 mm SL, Iwo-jima; KAUM-I. 37826, 52.8 mm SL, Iwo-jima; KAUM-I. 37828, 53.7 mm SL, Iwo-jima; KAUM-I. 37829, 52.4 mm SL, Iwo-jima; KAUM-I. 37830, 26.8 mm SL, Iwo-jima; KAUM-I. 37831, 52.7 mm SL, Iwo-jima; NSMT-P 106098, 65.3 mm SL, Iwo-jima; NSMT-P 106099, 49.3 mm SL, Iwo-jima; NSMT-P 106100, 40.4 mm SL, Iwo-jima; NSMT-P 106138, 47.4 mm SL, Iwo-jima; NSMT-P 106157, 62.7 mm SL, Iwo-jima; NSMT-P 106158, 59.8 mm SL, Iwo-jima; NSMT-P 106159, 41.5 mm SL, Iwo-jima. This study: KAUM-I. 95892, 58.7 mm SL, Kuro-shima; KAUM-I. 95916, 55.2 mm SL, Kuro-shima; KAUM-I. 129806, 57.9 mm SL, Take-shima; KAUM-I. 129807, 27.2 mm SL, Take-shima.

***Scorpaenodes guamensis* (Quoy and Gaimard, 1824)**

[Jpn name: Guamukasago]

Motomura (2013l): KAUM-I. 32673, 22.0 mm SL, Iwo-jima.

***Scorpaenodes kelloggi* (Jenkins, 1903)**

[Jpn name: Suzumeisokasago]

Motomura (2013k, as *Scorpaenodes hirsutus*); Hoshino and Motomura (2021): KAUM-I. 37662, 26.2 mm SL, Iwo-jima.

***Scorpaenodes varipinnis* Smith, 1957**

[Jpn name: Seboshiisokasago]

Motomura (2013m): KAUM-I. 30581, 11.5 mm SL, Iwo-jima; KAUM-I. 37694, 12.5 mm SL, Iwo-jima.

***Scorpaenopsis cirrosa* (Thunberg, 1793)**

[Jpn name: Onikasago]

Motomura (2013n): underwater photograph, Iwo-jima. This study: KAUM-I. 95900, 24.1 mm SL, Kuro-shima.

***Scorpaenopsis diabolus* (Cuvier, 1829)**

[Jpn name: Niraikasago]

Motomura (2013o): KAUM-I. 29604, 17.2 mm SL, Iwo-jima; KAUM-I. 37663, 24.8 mm SL, Iwo-jima; underwater photograph, Take-shima.

***Scorpaenopsis neglecta* Heckel, 1839**

[Jpn name: Satsumakasago] (Pl. 3H)

This study: KAUM-I. 156379, 68.1 mm SL, Take-shima.

***Scorpaenopsis orientalis* Randall and Eschmeyer, 2002**

[Jpn name: Toyourumakasago]

Motomura (2013p): KAUM-I. 29429, 19.7 mm SL, Iwo-jima; KAUM-I. 30551, 33.5 mm SL, Iwo-jima; KAUM-I. 31403, 86.9 mm SL, Iwo-jima; KAUM-I. 32322, 60.6 mm SL, Iwo-jima; KAUM-I. 33935, 77.2 mm SL, Iwo-jima; KAUM-I. 37701, 295.8 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Scorpaenopsis oxycephala* (Bleeker, 1849)**

[Jpn name: Ourumakasago]

Motomura (2013q): KAUM-I. 29640, 209.8 mm SL, Take-shima.

***Scorpaenopsis papuensis* (Cuvier, 1829)**

[Jpn name: Urumakasago]

Motomura (2013r): KAUM-I. 29564, 166.3mm SL, Iwo-jima; KAUM-I. 29608, 121.2 mm SL, Iwo-jima; KAUM-I. 29638, 207.5 mm SL, Take-shima; KAUM-I. 29639, 187.6 mm SL, Take-shima; KAUM-I. 31404, 81.1 mm SL, Iwo-jima; KAUM-I. 31643, 32.7 mm SL, Iwo-jima; KAUM-I. 33934, 104.3 mm SL, Iwo-jima; KAUM-I. 37608, 175.1 mm SL, Iwo-jima; KAUM-I. 37697, 90.1 mm SL, Iwo-jima; KAUM-I. 37827, 86.2 mm SL, Iwo-jima.

***Scorpaenopsis possi* Randall and Eschmeyer, 2002**

[Jpn name: Mimitogeonikasago]

Motomura (2013s): KAUM-I. 29563, 54.1 mm SL, Iwo-jima; KAUM-I. 29606, 132.2 mm SL, Iwo-jima;

KAUM-I. 31388, 133.9 mm SL, Take-shima; KAUM-I. 31389, 175.5 mm SL, Take-shima; KAUM-I. 31704, 17.7 mm SL, Iwo-jima; KAUM-I. 31684, 12.8 mm SL, Iwo-jima.

***Scorpaenopsis ramaraoi* Randall and Eschmeyer, 2002**

[Jpn name: Inukasago]

Motomura (2013t): KAUM-I. 29412, 132.1 mm SL, Iwo-jima; NSMT-P 106173, 96.7 mm SL, Iwo-jima.

***Scorpaenopsis venosa* (Cuvier, 1829)**

[Jpn name: Hyugakasago]

Motomura (2013u): KAUM-I. 29501, 142.4 mm SL, Iwo-jima; KAUM-I. 29502, 123.4 mm SL, Iwo-jima; KAUM-I. 29503, 88.5 mm SL, Iwo-jima; KAUM-I. 31651, 96.2 mm SL, Iwo-jima; KAUM-I. 31701, 45.4 mm SL, Iwo-jima; KAUM-I. 37640, 140.3 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Scorpaenopsis vittapinna* Randall and Eschmeyer, 2002**

[Jpn name: Kogataonikasago]

Motomura (2013v): KAUM-I. 31703, 36.8 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

Remarks: The Iwo-jima specimen represents the northernmost record for the species.

***Sebastapistes fowleri* (Pietschmann, 1934)**

[Jpn name: Puchifusakasago]

Motomura (2013w): KAUM-I. 29517, 13.1 mm SL, Iwo-jima; KAUM-I. 29673, 30.0 mm SL, Take-shima; KAUM-I. 29674, 26.6 mm SL, Take-shima; KAUM-I. 37664, 24.4 mm SL, Iwo-jima.

Remarks: The Take-shima specimens represent the northernmost records for the species.

***Sebastapistes strongia* (Cuvier, 1829)**

[Jpn name: Madarafusakasago]

Motomura (2013x): KAUM-I. 30580, 9.1 mm SL, Iwo-jima; KAUM-I. 37730, 47.0 mm SL, Take-shima; KAUM-I. 37731, 36.1 mm SL, Take-shima.

***Taenianotus triacanthus* Lacepède, 1802**

[Jpn name: Hadakahaokoze]

Motomura (2013y): KAUM-I. 37659, 44.0 mm SL, Iwo-jima; underwater photograph, Take-shima.

**FAMILY SETARCHIDAE**

***Lythrichthys eulabes* Jordan and Starks, 1904**

[Jpn name: Akakasago]

Fukui et al. (2015, as *Setarches longimanus*): KAUM-I. 55548, 170.7 mm SL, Kuro-shima; KAUM-I. 55720, 125.8 mm SL, Kuro-shima; KAUM-I. 55721, 111.1 mm SL, Kuro-shima; KAUM-I. 55722, 109.8 mm SL, Kuro-shima; KAUM-I. 55740, 151.7 mm SL, Kuro-shima; KAUM-I. 55741, 127.8 mm SL, Kuro-shima; KAUM-I. 55742, 94.9 mm SL, Kuro-shima; KAUM-I. 55755, 117.3 mm SL, Kuro-shima; KAUM-I. 55756, 116.9 mm SL, Kuro-shima; KAUM-I. 55757, 104.0 mm SL, Kuro-shima; KAUM-I. 55758, 142.7 mm SL, Kuro-shima; KAUM-I. 55768, 128.0 mm SL, Kuro-shima. This study: KAUM-I. 104871, 138.0 mm SL, Kuro-shima; KAUM-I. 104872, 138.2 mm SL, Kuro-shima.

**FAMILY SEBASTIDAE**

***Helicolenus hilgendorffii* (Döderlein, 1884)**

[Jpn name: Yumekasago]

Fukui et al. (2015): KAUM-I. 55547, 169.1 mm SL, Kuro-shima; KAUM-I. 55719, 122.4 mm SL,

Kuro-shima; KAUM-I. 55743, 150.6 mm SL, Kuro-shima; KAUM-I. 55744, 148.3 mm SL, Kuro-shima. This study: KAUM-I. 104916, 234.1 mm SL, Kuro-shima; KAUM-I. 104917, 195.6 mm SL, Kuro-shima; KAUM-I. 104953, 93.0 mm SL, Kuro-shima.

***Sebastiscus marmoratus* (Cuvier, 1829)**

[Jpn name: Kasago]

Motomura (2013z): KAUM-I. 37993, 179.4 mm SL, Take-shima. This study: KAUM-I. 156531, 127.4 mm SL, Take-shima.

**FAMILY SYNANCEIIDAE**

***Synanceia verrucosa* Bloch and Schneider, 1801**

[Jpn name: Onidarumaokoze]

Ogihara (2013b, as *Snanceia verrucosa*): underwater photograph, Take-shima.

**FAMILY TETRAROGIDAE**

***Ablabys taenianotus* (Cuvier, 1829)**

[Jpn name: Tsumajirookoze]

Ogihara (2013a): KAUM-I. 37692, 44.7 mm SL, Iwo-jima.

**FAMILY PERISTEDIIDAE**

***Peristedion orientale* Temminck and Schlegel, 1843**

[Jpn name: Kihobo]

Fukui et al. (2015): KAUM-I. 55556, 115.0 mm SL, Kuro-shima. This study: KAUM-I. 104932, 122.1 mm SL, Kuro-shima; KAUM-I. 104933, 151.6 mm SL, Kuro-shima; KAUM-I. 104957, 145.0 mm SL, Kuro-shima; KAUM-I. 104958, 149.5 mm SL, Kuro-shima; KAUM-I. 104959, 145.0 mm SL, Kuro-shima; KAUM-I. 104960, 131.2 mm SL, Kuro-shima; KAUM-I. 104961, 134.2 mm SL, Kuro-shima.

***Scalicus hians* (Gilbert and Cramer, 1897)**

[Jpn name: Higekihobo]

Fukui et al. (2015, as *Scalicus amiscus*): KAUM-I. 55551, 172.9 mm SL, Kuro-shima; KAUM-I. 55552, 161.0 mm SL, Kuro-shima. This study: KAUM-I. 104865, 199.0 mm SL, Kuro-shima; KAUM-I. 104866, 133.7 mm SL, Kuro-shima; KAUM-I. 104867, 118.2 mm SL, Kuro-shima; KAUM-I. 104868, 98.3 mm SL, Kuro-shima; KAUM-I. 104934, 131.5 mm SL, Kuro-shima; KAUM-I. 104935, 108.1 mm SL, Kuro-shima; KAUM-I. 104936, 115.8 mm SL, Kuro-shima; KAUM-I. 104937, 114.8 mm SL, Kuro-shima; KAUM-I. 104954, 118.6 mm SL, Kuro-shima; KAUM-I. 104955, 102.7 mm SL, Kuro-shima; KAUM-I. 104956, 108.7 mm SL, Kuro-shima; KAUM-I. 104965, 118.4 mm SL, Kuro-shima.

**FAMILY PLATYCEPHALIDAE**

***Thysanophrys chiltonae* Schultz, 1966**

[Jpn name: Kuroshimagochi]

Tashiro (2013c): KAUM-I. 37723, 100.6 mm SL, Take-shima.

**FAMILY HOPLICHTHYIDAE**

***Hoplichthys gilbert* Jordan and Richardson, 1908**

[Jpn name: Sokoharigochi]

Fukui et al. (2015): KAUM-I. 55549, 275.0 mm SL, Kuro-shima.

**FAMILY PSYCHROLUTIDAE*****Ebinania brephocephala* (Jordan and Starks, 1903)**

[Jpn name: Bozukajika]

Fukui et al. (2015): KAUM-I. 55557, 85.3 mm SL, Kuro-shima. This study: KAUM-I. 104888, 82.2 mm SL, Kuro-shima.

**FAMILY SYNAGROPIDAE*****Synagrops japonicus* (Döderlein, 1883)**

[Jpn name: Sumikuiuo]

Fukui et al. (2015): KAUM-I. 55538, 161.7 mm SL, Kuro-shima; KAUM-I. 55774, 156.5 mm SL, Kuro-shima. This study: KAUM-I. 104861, 159.4 mm SL, Kuro-shima; KAUM-I. 104862, 110.7 mm SL, Kuro-shima; KAUM-I. 104863, 126.6 mm SL, Kuro-shima; KAUM-I. 104938, 164.3 mm SL, Kuro-shima; KAUM-I. 104939, 139.9 mm SL, Kuro-shima; KAUM-I. 104940, 125.8 mm SL, Kuro-shima; KAUM-I. 104941, 114.3 mm SL, Kuro-shima; KAUM-I. 104942, 122.7 mm SL, Kuro-shima; KAUM-I. 104943, 121.1 mm SL, Kuro-shima; KAUM-I. 104944, 133.1 mm SL, Kuro-shima; KAUM-I. 104945, 132.3 mm SL, Kuro-shima; KAUM-I. 104946, 135.5 mm SL, Kuro-shima; KAUM-I. 104947, 135.4 mm SL, Kuro-shima; KAUM-I. 104948, 134.4 mm SL, Kuro-shima.

**FAMILY MALAKICHTHYIDAE*****Malakichthys elegans* Matsubara and Yamaguti, 1943**

[Jpn name: Nagaomehata]

Fukui et al. (2015): KAUM-I. 55530, 124.4 mm SL, Kuro-shima; KAUM-I. 55750, 116.1 mm SL, Kuro-shima; KAUM-I. 55751, 125.3 mm SL, Kuro-shima; KAUM-I. 55772, 121.9 mm SL, Kuro-shima. This study: KAUM-I. 104864, 68.5 mm SL, Kuro-shima.

**FAMILY SERRANIDAE*****Cephalopholis miniata* (Forsskål, 1775)**

[Jpn name: Yukatahata]

Ogihara (2013c): KAUM-I. 29672, 342.3 mm SL, Take-shima; KAUM-I. 37641, 265.5 mm SL, Iwo-jima; NSMT-P 106126, 253.1 mm SL, Iwo-jima. This study: KAUM-I. 158011, 249.2 mm SL, Iwo-jima.

***Cephalopholis sexmaculata* (Rüppell, 1830)**

[Jpn name: Kokuhanhata]

Ogihara (2013d): underwater photograph, Iwo-jima.

***Cephalopholis sonnerati* (Valenciennes, 1828)**

[Jpn name: Azahata]

Ogihara (2013e): KAUM-I. 37786, 358.6 mm SL, Take-shima; NSMT-P 106149, 370.0 mm SL, Take-shima.

***Cephalopholis urodeta* (Forster, 1801)**

[Jpn name: Nijihata]

Ogihara (2013f): KAUM-I. 37627, 198.9 mm SL, Iwo-jima; NSMT-P 106087, 199.8 mm SL, Iwo-jima.

***Epinephelus areolatus* (Forsskål, 1775)**

[Jpn name: Omonhata]

Ogihara (2013g): KAUM-I. 37787, 362.6 mm SL, Take-shima; NSMT-P 106169, 415.0 mm SL, Take-shima.

***Epinephelus coioides* (Hamilton, 1822)**

[Jpn name: Chairomaruhata]

Ogihara (2013i): KAUM-I. 37805, 470.0 mm SL, Iwo-jima.

***Epinephelus fasciatus* (Forsskål, 1775)**

[Jpn name: Akahata]

Ogihara (2013j): KAUM-I. 37651, 266.1 mm SL, Iwo-jima; NSMT-P 106170, 318.5 mm SL, Iwo-jima. This study: KAUM-I. 96511, 215.0 mm SL, Kuro-shima; KAUM-I. 158014, 293.0 mm SL, Iwo-jima.

***Epinephelus hexagonatus* (Forster, 1801)**

[Jpn name: Ishigakihata] (Pl. 3I)

This study: KAUM-I. 156535, 126.5 mm SL, Kuro-shima.

***Epinephelus malabaricus* (Bloch and Schneider, 1801)**

[Jpn name: Yaitohata] (Pl. 4A)

This study: KAUM-I. 124299, 659.0 mm SL, Kuro-shima.

***Epinephelus melanostigma* Schultz, 1953**

[Jpn name: Sumitsukihata]

Ogihara (2013h, as *Epinephelus chlorostigma*): underwater photograph, Take-shima.

Remarks: The underwater photograph from Take-shima represents the northernmost record for the species.

***Grammistes sexlineatus* (Thunberg, 1792)**

[Jpn name: Nunosarashi]

Ogihara (2013k): KAUM-I. 29556, 101.7 mm SL, Iwo-jima; KAUM-I. 30043, 44.3 mm SL, Iwo-jima; KAUM-I. 31657, 32.9 mm SL, Iwo-jima; KAUM-I. 37606, 55.4 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Odontanthias borbonius* (Valenciennes, 1828)**

[Jpn name: Madarahanadai]

Ogihara (2013l): KAUM-I. 37921, 116.7 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Odontanthias unimaculatus* (Tanaka, 1917)**

[Jpn name: Ittensakuradai]

Tashiro et al. (2018a): KAUM-I. 50395, 158.6 mm SL, Kuro-shima.

***Plectranthias kamii* Randall, 1980**

[Jpn name: Izuhanadai] (Pl. 4B)

This study: KAUM-I. 97950, 199.9 mm SL, Kuro-shima.

***Plectranthias longimanus* (Weber, 1913)**

[Jpn name: Muramomijihanadai]

Ogihara (2013m, as Chibihanadai): KAUM-I. 29780, 22.8 mm SL, Take-shima; KAUM-I. 32671, 17.6 mm SL, Iwo-jima; underwater photograph, Iwo-jima. Kawaji et al. (2019): KAUM-I. 29780, 23.4 mm SL, Take-shima; KAUM-I. 32671, 18.9 mm SL, Iwo-jima.

***Plectranthias nanus* Randall, 1980**

[Jpn name: Chibihanadai]

Ogihara (2013m, as *Plectranthias longimanus*): KAUM-I. 30538, 13.4 mm SL, Iwo-jima. Kawaji et al. (2019): KAUM-I. 30538, 12.7 mm SL, Iwo-jima. This study: KAUM-I. 129801, 22.7 mm SL, Take-shima.

***Plectranthias winniensis* (Tyler, 1966)**

[Jpn name: Deigohanadai] (Pl. 4C)

Ogihara (2013m, as *Plectranthias longimanus*): underwater photograph, Iwo-jima.

***Plectranthias yamakawai* Yoshino, 1972**

[Jpn name: Amamihanadai] (Pl. 4D)

This study: KAUM-I. 97949, 203.7 mm SL, Kuro-shima.

***Plectropomus leopardus* (Lacepède, 1802)**

[Jpn name: Sujiara]

Ogihara (2013n): KAUM-I. 37918, 556.9 mm SL, Take-shima; NSMT-P 99039, 617.3 mm SL, Take-shima. This study: KAUM-I. 158012, 389.3 mm SL, Iwo-jima.

***Pseudanthias bicolor* (Randall, 1979)**

[Jpn name: Futairohanagoi]

Ogihara (2013o): KAUM-I. 29763, 63.8 mm SL, Take-shima; underwater photograph, Take-shima.

***Pseudanthias cooperi* (Regan, 1902)**

[Jpn name: Kashiwahanadai]

Ogihara (2013p): KAUM-I. 29765, 40.8 mm SL, Take-shima.

***Pseudanthias fasciatus* (Kamohara, 1955)**

[Jpn name: Sujihanadai]

Motomura et al. (2010): KAUM-I. 29624, 63.3 mm SL, Iwo-jima; KAUM-I. 29790, 49.9 mm SL, Take-shima. Ogihara (2013q): KAUM-I. 29624, 63.9 mm SL, Iwo-jima; KAUM-I. 29790 (incorrectly shown as 29792), 49.2 mm SL, Take-shima; underwater photographs, Iwo-jima, Take-shima.

***Pseudanthias hypselosoma* Bleeker, 1877**

[Jpn name: Keramahanadai]

Ogihara (2013r): KAUM-I. 29770, 21.8 mm SL, Take-shima; underwater photograph, Take-shima. This study: KAUM-I. 129780, 24.2 mm SL, Take-shima; KAUM-I. 129781, 24.3 mm SL, Take-shima; KAUM-I. 129800, 24.3 mm SL, Take-shima.

***Pseudanthias lori* (Lubbock and Randall, 1976)**

[Jpn name: Akaboshihanagoi]

Iwatsubo (2013s): underwater photograph, Take-shima.

***Pseudanthias parvirostris* (Randall and Lubbock, 1981)**

[Jpn name: Korinhanadai]

Iwatsubo et al. (2011): KAUM-I. 29776, 62.2 mm SL, Take-shima. Iwatsubo (2013t): KAUM-I. 29776, 62.7 mm SL, Take-shima; underwater photograph, Take-shima.

Remarks: The Take-shima specimen represents the southernmost record for the species in Japanese waters.

***Pseudanthias pascalus* (Jordan and Tanaka, 1927)**

[Jpn name: Hanagoi]

Ogihara (2013u): KAUM-I. 30606, 23.2 mm SL, Iwo-jima; KAUM-I. 30607, 18.3 mm SL, Iwo-jima.

***Pseudanthias pleurotaenia* (Bleeker, 1857)**

[Jpn name: Sumirenagahanadai]

Ogihara (2013v): KAUM-I. 29621, 115.0 mm SL, Iwo-jima; KAUM-I. 29623, 71.7 mm SL, Iwo-jima; KAUM-I. 29626, 92.3 mm SL, Iwo-jima; underwater photographs, Iwo-jima, Take-shima.

***Pseudanthias randalli* (Lubbock and Allen, 1978)**

[Jpn name: Fuchidorihanadai]

Ogihara (2013w): KAUM-I. 29767, 24.8 mm SL, Take-shima; KAUM-I. 31387, 26.6 mm SL, Take-shima.

***Pseudanthias rubrolineatus* (Fourmanoir and Rivaton, 1979)**

[Jpn name: Itohikikohakuhanadai]

Motomura et al. (2010): KAUM-I. 29771, 92.2 mm SL, Take-shima; KAUM-I. 29772, 74.1 mm SL, Take-shima. Motomura et al. (2013b): KAUM-I. 29771, 92.2 mm SL, Take-shima; KAUM-I. 29772, 74.1 mm SL, Take-shima; underwater photograph, Take-shima. Wada et al. (2021): KAUM-I. 29771, 92.2 mm SL, Take-shima; KAUM-I. 29772, 74.1 mm SL, Takeshima.

***Pseudanthias squamipinnis* (Peters, 1855)**

[Jpn name: Kingyohanadai]

Ogihara (2013x): KAUM-I. 29434, 67.3 mm SL, Iwo-jima; KAUM-I. 29435, 45.1 mm SL, Iwo-jima; KAUM-I. 29436, 51.3 mm SL, Iwo-jima; KAUM-I. 29437, 46.4 mm SL, Iwo-jima; KAUM-I. 29438, 55.9 mm SL, Iwo-jima; KAUM-I. 29439, 25.4 mm SL, Iwo-jima; KAUM-I. 29440, 22.0 mm SL, Iwo-jima; KAUM-I. 29447, 21.8 mm SL, Iwo-jima; KAUM-I. 29448, 22.9 mm SL, Iwo-jima; KAUM-I. 29449, 12.7 mm SL, Iwo-jima; KAUM-I. 29450, 19.8 mm SL, Iwo-jima; KAUM-I. 29451, 18.2 mm SL, Iwo-jima; KAUM-I. 29452, 18.0 mm SL, Iwojima; KAUM-I. 29453, 18.7 mm SL, Iwo-jima; KAUM-I. 29454, 18.8 mm SL, Iwo-jima; KAUM-I. 29455, 19.6 mm SL, Iwo-jima; KAUM-I. 29456, 16.4 mm SL, Iwojima; KAUM-I. 29457, 17.0 mm SL, Iwo-jima; KAUM-I. 29458, 15.3 mm SL, Iwo-jima; KAUM-I. 29459, 16.7 mm SL, Iwo-jima; KAUM-I. 29460, 18.3 mm SL, Iwojima; KAUM-I. 29461, 16.1 mm SL, Iwo-jima; KAUM-I. 29462, 16.7 mm SL, Iwo-jima; KAUM-I. 29463, 16.6 mm SL, Iwo-jima; KAUM-I. 29464, 14.8 mm SL, Iwojima; KAUM-I. 29465, 16.2 mm SL, Iwo-jima; KAUM-I. 29466, 15.3 mm SL, Iwo-jima; KAUM-I. 29467, 16.3 mm SL, Iwo-jima; KAUM-I. 29468, 15.4 mm SL, Iwojima; KAUM-I. 29469, 14.9 mm SL, Iwo-jima; KAUM-I. 29470, 16.3 mm SL, Iwo-jima; KAUM-I. 29471, 16.8 mm SL, Iwo-jima; KAUM-I. 29472, 15.6 mm SL, Iwojima; KAUM-I. 29473, 14.2 mm SL, Iwo-jima; KAUM-I. 29474, 15.0 mm SL, Iwo-jima; KAUM-I. 29482, 68.9 mm SL, Iwo-jima; KAUM-I. 29712, 20.2 mm SL, Takeshima; KAUM-I. 29713, 24.6 mm SL, Take-shima; KAUM-I. 29714, 17.8 mm SL, Take-shima; KAUM-I. 29715, 19.1 mm SL, Take-shima; KAUM-I. 29728, 100.2 mm SL, Iwo-jima; KAUM-I. 29729, 91.4 mm SL, Iwo-jima; KAUM-I. 29730, 85.2 mm SL, Iwo-jima; KAUM-I. 29731, 58.4 mm SL, Iwo-jima; KAUM-I. 29736, 17.2 mm SL, Iwo-jima; KAUM-I. 30050, 21.1 mm SL, Iwo-jima; KAUM-I. 30051, 18.9 mm SL, Iwo-jima; KAUM-I. 30052, 19.1 mm SL, Iwo-jima; KAUM-I. 30053, 18.5 mm SL, Iwojima; KAUM-I. 30054, 17.6 mm SL, Iwo-jima; KAUM-I. 30055, 19.1 mm SL, Iwo-jima; KAUM-I. 30056, 19.1 mm SL, Iwo-jima; KAUM-I. 30057, 16.4 mm SL, Iwojima; KAUM-I. 30058, 17.2 mm SL, Iwo-jima; KAUM-I. 30067, 23.1 mm SL, Take-shima; KAUM-I. 30124, 27.5 mm SL, Iwo-jima; KAUM-I. 30125, 28.5 mm SL, Iwo-jima; KAUM-I. 30126, 31.7 mm SL, Iwo-jima; KAUM-I. 30127, 17.2 mm SL, Iwo-jima; KAUM-I. 30128, 19.3 mm SL, Iwo-jima; KAUM-I. 30129, 19.3 mm SL, Iwo-jima; KAUM-I. 30130, 18.6 mm SL, Iwojima;

KAUM-I. 31390, 25.5 mm SL, Take-shima; KAUM-I. 37791, 72.2 mm SL, Iwo-jima; KAUM-I. 37964, 16.8 mm SL, Iwo-jima; NSMT-P 106101, 31.8 mm SL, Iwo-jima; NSMT-P 106102, 29.4 mm SL, Iwojima; NSMT-P 106156, 3, 18.0–44.7 mm SL, Iwo-jima; NSMT-P 106164, 50.1 mm SL, Take-shima; NSMT-P 106903, 3, 13.8–21.0 mm SL, Iwo-jima; NSMT-P 106906, 73.6 mm SL, Take-shima; NSMT-P 106909, 70.4 mm SL, Iwo-jima; NSMT-P 106911, 63.2 mm SL, Iwo-jima; NSMT-P 106912, 6, 14.2–39.0 mm SL, Iwo-jima; NSMT-P 106924, 2, 15.3–16.2 mm SL, Iwojima; NSMT-P 106931, 8, 15.4–32.3 mm SL, Iwojima; NSMT-P 106939, 3, 12.6–20.5 mm SL, Iwo-jima; NSMT-P 106947, 34.2 mm SL, Iwo-jima; underwater photographs, Iwo-jima, Take-shima. This study: KAUM-I. 129778, 15.8 mm SL, Take-shima; KAUM-I. 129779, 15.8 mm SL, Take-shima; KAUM-I. 129799, 40.7 mm SL, Take-shima; KAUM-I. 156516, 101.0 mm SL, Take-shima; KAUM-I. 156517, 96.2 mm SL, Take-shima; KAUM-I. 156518, 80.5 mm SL, Take-shima; KAUM-I. 156519, 71.2 mm SL, Take-shima; KAUM-I. 156520, 60.5 mm SL, Take-shima; KAUM-I. 156863, 80.2 mm SL, Take-shima; KAUM-I. 156864, 87.9 mm SL, Take-shima; KAUM-I. 156865, 79.9 mm SL, Take-shima; KAUM-I. 156866, 72.7 mm SL, Take-shima; KAUM-I. 156867, 71.7 mm SL, Take-shima; KAUM-I. 156868, 79.6 mm SL, Take-shima; KAUM-I. 156869, 70.0 mm SL, Take-shima; KAUM-I. 156870, 63.1 mm SL, Take-shima; KAUM-I. 156871, 51.6 mm SL, Take-shima; KAUM-I. 158018, 61.0 mm SL, Iwo-jima.

***Pseudanthias* sp.**

[Jpn name: Benihanadai]

Ogihara (2013y): KAUM-I. 37983, 112.1 mm SL, Take-shima; underwater photographs, Iwo-jima, Take-shima.

***Pseudogramma polyacantha* (Bleeker, 1856)**

[Jpn name: Togemegisu]

Ogihara (2013z, as *Pseudogramma polyacanthum*): KAUM-I. 29791, 40.2 mm SL, Take-shima; KAUM-I. 30061, 40.0 mm SL, Take-shima; KAUM-I. 30543, 46.8 mm SL, Iwo-jima; KAUM-I. 30544, 42.5 mm SL, Iwo-jima; KAUM-I. 37621, 31.6 mm SL, Iwo-jima; NSMT-P 106136, 32.2 mm SL, Iwo-jima; NSMT-P 106184, 27.6 mm SL, Take-shima; NSMT-P 106914, 2, 21.4–35.7 mm SL, Iwo-jima.

***Serranocirrhites latus* Watanabe, 1949**

[Jpn name: Hanagombe]

Ogihara (2013a'): KAUM-I. 29583, 16.6 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Variola albimarginata* Baissac, 1953**

[Jpn name: Ojirobarahata] (Pl. 4E)

This study: KAUM-I. 158010, 251.4 mm SL, Iwo-jima; KAUM-I. 158013, 296.5 mm SL, Iwo-jima.

***Variola louti* (Forsskål, 1775)**

[Jpn name: Barahata]

Ogihara (2013b'): KAUM-I. 37650, 379.7 mm SL, Iwo-jima; NSMT-P 106127, 343.5 mm SL, Iwo-jima.

**FAMILY SYMPHYSANODONTIDAE**

***Symphysanodon katayamai* Anderson, 1970**

[Jpn name: Kawarihanadai]

Iwatsubo (2013a): underwater photograph, Iwo-jima.

Remarks: The underwater photograph from Iwo-jima represents the southernmost record for the species in Japanese waters.

**FAMILY PSEUDOCROMIDAE*****Amsichthys knighti* (Allen, 1987)**

[Jpn name: Ometanabatamegisu]

Yoshida (2013d): KAUM-I. 29651, 27.3 mm SL, Take-shima; KAUM-I. 29742, 29.0 mm SL, Iwo-jima; KAUM-I. 37775, 30.0 mm SL, Take-shima. Yoshida et al. (2013b): KAUM-I. 29651, 27.3 mm SL, Take-shima; KAUM-I. 29742, 29.0 mm SL, Iwo-jima; KAUM-I. 37775, 30.0 mm SL, Take-shima.

Remarks: The Take-shima specimens represent the northernmost records for the species.

***Labracinus cyclophthalmus* (Müller and Troschel, 1849)**

[Jpn name: Megisu]

Yoshida (2013e): KAUM-I. 32328, 110.4 mm SL, Iwo-jima; KAUM-I. 37960, 106.5 mm SL, Iwo-jima; KAUM-I. 37961, 114.7 mm SL, Iwo-jima; underwater photograph, Iwo-jima. Yoshida et al. (2013b): KAUM-I. 32328, 110.4 mm SL, Iwo-jima; KAUM-I. 37960, 106.5 mm SL, Iwo-jima; KAUM-I. 37961, 114.7 mm SL, Iwo-jima; underwater photograph, Iwo-jima. Ito et al. (2021): KAUM-I. 32328, 109.9 mm SL, Iwo-jima; KAUM-I. 37960, 105.6 mm SL, Iwo-jima; KAUM-I. 37961, 113.7 mm SL, Iwo-jima. This study: KAUM-I. 156526, 126.8 mm SL, Take-shima; KAUM-I. 156527, 115.8 mm SL, Take-shima; KAUM-I. 156538, 116.2 mm SL, Take-shima; KAUM-I. 156550, 117.8 mm SL, Take-shima; KAUM-I. 156551, 118.0 mm SL, Take-shima; KAUM-I. 156552, 109.9 mm SL, Take-shima; KAUM-I. 156553, 114.0 mm SL, Take-shima; KAUM-I. 156572, 111.2 mm SL, Take-shima; KAUM-I. 156573, 116.7 mm SL, Take-shima; KAUM-I. 156574, 118.2 mm SL, Take-shima; KAUM-I. 156720, 110.0 mm SL, Take-shima; KAUM-I. 156721, 108.5 mm SL, Take-shima; KAUM-I. 156722, 105.5 mm SL, Take-shima; KAUM-I. 156723, 97.3 mm SL, Take-shima; KAUM-I. 156724, 113.3 mm SL, Take-shima; KAUM-I. 156725, 112.7 mm SL, Take-shima; KAUM-I. 156726, 106.1 mm SL, Take-shima; KAUM-I. 156822, 104.9 mm SL, Take-shima.

***Pictichromis porphyreus* (Lubbock and Goldman, 1974)**

[Jpn name: Kurenainisesuzume]

Yoshida (2013f, as *Pictichromis porphyrea*): underwater photograph, Iwo-jima.

Remarks: The underwater photograph from Iwo-jima represents the northernmost record for the species.

***Pseudochromis cyanotaenia* Bleeker, 1857**

[Jpn name: Ryukyunisesuzume] (Pl. 4F)

This study: KAUM-I. 95893, 41.3 mm SL, Kuro-shima.

Remarks: The Kuro-shima specimen represents the northernmost record for the species.

***Pseudochromis marshallensis* Schultz, 1953**

[Jpn name: Hoshinisesuzume]

Yoshida (2013g): KAUM-I. 29610, 41.0 mm SL, Take-shima; KAUM-I. 29678, 34.8 mm SL, Take-shima; KAUM-I. 29711, 33.9 mm SL, Take-shima; KAUM-I. 30566, 38.2 mm SL, Iwo-jima; KAUM-I. 32355, 42.6 mm SL, Iwo-jima; KAUM-I. 32357, 50.0 mm SL, Iwo-jima; KAUM-I. 33944, 35.2 mm SL, Iwo-jima; KAUM-I. 33945, 34.0 mm SL, Iwo-jima; KAUM-I. 33946, 29.0 mm SL, Iwo-jima; KAUM-I. 37620, 48.2 mm SL, Iwo-jima; KAUM-I. 37669, 43.6 mm SL, Iwo-jima; KAUM-I. 37676, 46.9 mm SL, Iwo-jima; KAUM-I. 37698, 46.6 mm SL, Iwo-jima; KAUM-I. 37699, 44.7 mm SL, Iwo-jima; KAUM-I. 37814, 40.0 mm SL, Iwo-jima. Yoshida et al. (2013b): KAUM-I. 29610, 38.9 mm SL, Take-shima; KAUM-I. 29678, 33.3 mm SL, Take-shima; KAUM-I. 29711, 33.2 mm SL, Take-shima; KAUM-I. 30566, 38.7 mm SL, Iwo-jima; KAUM-I. 32355, 42.5 mm SL, Iwo-jima; KAUM-I. 32357, 49.7 mm SL, Iwo-jima; KAUM-I. 33944, 35.2 mm SL, Iwo-jima; KAUM-I. 33945, 32.8 mm SL, Iwo-jima; KAUM-I. 33946, 27.4 mm SL,

Iwo-jima; KAUM-I. 37620, 47.6 mm SL, Iwo-jima; KAUM-I. 37669, 41.8 mm SL, Iwo-jima; KAUM-I. 37676, 43.6 mm SL, Iwo-jima; KAUM-I. 37698, 45.9 mm SL, Iwo-jima; KAUM-I. 37699, 43.4 mm SL, Iwo-jima; KAUM-I. 37814, 40.2 mm SL, Iwo-jima. This study: KAUM-I. 95890, 46.9 mm SL, Kuro-shima; KAUM-I. 95937, 40.4 mm SL, Kuro-shima.

***Pseudoplesiops annae* (Weber, 1913)**

[Jpn name: Kamereontanabatamegisu]

Yoshida et al. (2013a): KAUM-I. 30617, 25.7 mm SL, Iwo-jima; KAUM-I. 31411, 27.1 mm SL, Iwo-jima; KAUM-I. 31412, 22.0 mm SL, Iwo-jima. Yoshida et al. (2013b): KAUM-I. 30617, 23.4 mm SL, Iwo-jima; KAUM-I. 31411, 26.3 mm SL, Iwo-jima; KAUM-I. 31412, 21.5 mm SL, Iwo-jima.

Remarks: The Iwo-jima specimens represent the northernmost records for the species.

**FAMILY PLESIOPIDAE**

***Plesiops coeruleolineatus* Rüppell, 1835**

[Jpn name: Tanabatauo] (Pl. 4G)

This study: KAUM-I. 156543, 35.9 mm SL, Take-shima; KAUM-I. 156544, 40.3 mm SL, Take-shim; KAUM-I. 156545, 40.9 mm SL, Take-shima; KAUM-I. 156546, 37.8 mm SL, Take-shima.

**FAMILY OPISTOGNATHIDAE**

***Opistognathus hopkinsi* (Jordan and Snyder, 1902)**

[Jpn name: Agoamadai] (Pl. 4H)

This study: KAUM-I. 107728, 105.7 mm SL, Den-shima.

Remarks: The Den-shima specimen represents the southernmost record for the species.

***Opistognathus solorensis* Bleeker, 1853**

[Jpn name: Hoshikageagoamadai]

Tashiro et al. (2018b): KAUM-I. 95905, 59.2 mm SL, Kuro-shima; KAUM-I. 95906, 59.6 mm SL, Kuro-shima; KAUM-I. 95907, 60.7 mm SL, Kuro-shima.

**FAMILY PRIACANTHIDAE**

***Heteropriacanthus carolinus* (Cuvier, 1829)**

[Jpn name: Gomahirekintoki]

Yoshida (2013h, as *Heteropriacanthus cruentatus*): KAUM-I. 29667, 206.7 mm SL, Take-shima. This study: KAUM-I. 95962, 193.4 mm SL, Kuro-shima; KAUM-I. 96515, 232.4 mm SL, Kuro-shima; KAUM-I. 96524, 219.4 mm SL, Kuro-shima; KAUM-I. 96525, 188.6 mm SL, Kuro-shima; KAUM-I. 96535, 194.0 mm SL, Kuro-shima.

***Priacanthus hamrur* (Forsskål, 1775)**

[Jpn name: Hosekikintoki]

Yoshida (2013i): KAUM-I. 37836, 289.9 mm SL, Iwo-jima.

**FAMILY APOGONIDAE**

***Amioides polyacanthus* (Vaillant, 1877)**

[Jpn name: Oniishimochi]

Yoshida (2013f, as *Coranthus polyacanthus*): KAUM-I. 37923, 170.3 mm SL, Iwo-jima; KAUM-I. 37924, 118.4 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

Remarks: The Iwo-jima specimens represent the northernmost record for the species.

***Apogon caudicinctus* Randall and Smith, 1988**

[Jpn name: Togenagaishimochi]

Yoshida (2013m): KAUM-I. 29534, 50.5 mm SL, Iwo-jima; KAUM-I. 29536, 20.8 mm SL, Iwo-jima; KAUM-I. 29537, 15.3 mm SL, Iwo-jima; KAUM-I. 29538, 13.4 mm SL, Iwo-jima; KAUM-I. 29560, 11.1 mm SL, Iwo-jima; KAUM-I. 31372, 13.9 mm SL, Take-shima; KAUM-I. 31680, 26.4 mm SL, Iwo-jima.

Remarks: The Take-shima specimen represents the northernmost record for the species.

***Apogon crassiceps* Garman, 1903**

[Jpn name: Akafujitenjikudai]

Yoshida (2013o): KAUM-I. 29539, 15.6 mm SL, Iwo-jima; KAUM-I. 29540, 11.9 mm SL, Iwo-jima; KAUM-I. 30047, 13.0 mm SL, Iwo-jima; KAUM-I. 30555, 32.8 mm SL, Iwo-jima; KAUM-I. 30600, 22.5 mm SL, Iwo-jima; KAUM-I. 30601, 39.7 mm SL, Iwo-jima; KAUM-I. 31634, 31.6 mm SL, Iwo-jima; KAUM-I. 32305, 41.4 mm SL, Iwo-jima; KAUM-I. 33947, 25.2 mm SL, Iwo-jima; KAUM-I. 37653, 38.2 mm SL, Iwo-jima; KAUM-I. 37687, 38.3 mm SL, Iwo-jima; KAUM-I. 37688, 26.0 mm SL, Iwo-jima; KAUM-I. 37690, 29.3 mm SL, Iwo-jima.

Remarks: The Iwo-jima specimen represents the northernmost record for the species.

***Apogon kominatoensis* Ebina, 1935**

[Jpn name: Kominatotenjikudai]

Yoshida (2013w): KAUM-I. 29585, 31.9 mm SL, Iwo-jima; KAUM-I. 29709, 31.1 mm SL, Take-shima; KAUM-I. 29789, 31.1 mm SL, Take-shima; KAUM-I. 31633, 38.0 mm SL, Iwo-jima; KAUM-I. 31679, 28.0 mm SL, Iwo-jima; KAUM-I. 37769, 31.7 mm SL, Take-shima; NSMT-P 106925, 40.4 mm SL, Iwo-jima.

***Apogon semiornatus* Peters, 1876**

[Jpn name: Yamitenjikudai]

Yoshida (2013a'): KAUM-I. 29422, 39.1 mm SL, Iwo-jima; KAUM-I. 29431, 15.8 mm SL, Iwo-jima; KAUM-I. 29432, 15.5 mm SL, Iwo-jima; KAUM-I. 29587, 13.9 mm SL, Iwo-jima; KAUM-I. 29609, 45.0 mm SL, Iwo-jima; KAUM-I. 31631, 30.0 mm SL, Iwo-jima; KAUM-I. 31677, 5.0 mm SL, Iwo-jima; KAUM-I. 32306, 37.3 mm SL, Iwo-jima; KAUM-I. 32307, 40.6 mm SL, Iwo-jima; KAUM-I. 33941, 38.5 mm SL, Iwo-jima; KAUM-I. 37824, 36.3 mm SL, Iwo-jima; NSMT-P 106093, 42.2 mm SL, Iwo-jima; NSMT-P 106908, 31.8 mm SL, Iwo-jima. This study: KAUM-I. 129790, 42.5 mm SL, Take-shima; KAUM-I. 129791, 42.5 mm SL, Take-shima; KAUM-I. 129792, 34.6 mm SL, Take-shima.

***Apogon unicolor* Jordan and Snyder, 1901**

[Jpn name: Hanaishimochi]

Yoshida (2013c'): KAUM-I. 29415, 105.0 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Apogon* sp.**

[Jpn name: Ryukyuishimochi]

Yoshida (2013u, as *Apogon indicus*): KAUM-I. 29586, 16.3 mm SL, Iwo-jima; KAUM-I. 30562, 25.7 mm SL, Iwo-jima; KAUM-I. 30563, 23.7 mm SL, Iwo-jima; NSMT-P 106905, 28.5 mm SL, Take-shima.

***Cercamia eremia* (Allen, 1987)**

[Jpn name: Sakuratenjikudai] (Pl. 4I)

This study: underwater photograph, Iwo-jima.

***Cheilodipterus macrodon* (Lacepède, 1802)**

[Jpn name: Ryukyuyaraiishimochi]

Yoshida (2013d'): KAUM-I. 29644, 53.6 mm SL, Take-shima; KAUM-I. 32304, 80.5 mm SL, Iwo-jima; KAUM-I. 32313, 29.7 mm SL, Iwo-jima; KAUM-I. 29433, 19.4 mm SL, Iwo-jima; KAUM-I. 29510, 19.5 mm SL, Iwo-jima; underwater photograph, Iwo-jima. This study: KAUM-I. 96577, 153.6 mm SL, Kuro-shima.

***Cheilodipterus quinquelineatus* Cuvier, 1828**

[Jpn name: Yaraishimochi]

Yoshida (2013e'): KAUM-I. 30561, 29.2 mm SL, Iwo-jima; KAUM-I. 37705, 72.4 mm SL, Take-shima.

***Fowleria variegata* (Valenciennes, 1832)**

[Jpn name: Shibori] (Pl. 4J)

This study: KAUM-I. 156377, 34.3 mm SL, Take-shima.

***Nectamia bandanensis* (Bleeker, 1854)**

[Jpn name: Bandaishimochi]

Yoshida (2013g'): KAUM-I. 29654, 50.0 mm SL, Take-shima; KAUM-I. 31693, 84.2 mm SL, Take-shima; KAUM-I. 31694, 83.4 mm SL, Take-shima; KAUM-I. 31695, 82.1 mm SL, Take-shima; KAUM-I. 31696, 83.3 mm SL, Take-shima; KAUM-I. 31697, 75.1 mm SL, Take-shima; KAUM-I. 31698, 59.2 mm SL, Take-shima; KAUM-I. 37704, 81.7 mm SL, Take-shima.

***Ostorhinchus angustatus* (Smith and Radcliffe, 1911)**

[Jpn name: Usujimaishimochi]

Yoshida (2013j, as *Apogon angustatus*): KAUM-I. 29643, 45.3 mm SL, Take-shima; KAUM-I. 29773, 54.7 mm SL, Take-shima; KAUM-I. 30557, 17.8 mm SL, Iwo-jima; KAUM-I. 30558, 34.8 mm SL, Iwo-jima; KAUM-I. 31374, 56.7 mm SL, Take-shima; KAUM-I. 31630, 45.2 mm SL, Iwo-jima; KAUM-I. 37652, 54.6 mm SL, Iwo-jima; NSMT-P 106092, 66.5 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Ostorhinchus apogonoides* (Bleeker, 1856)**

[Jpn name: Aohanatenjikudai]

Yoshida (2013k, as *Apogon apogonoides*): KAUM-I. 29758, 64.3 mm SL, Take-shima; KAUM-I. 29759, 38.7 mm SL, Take-shima; KAUM-I. 30117, 36.9 mm SL, Take-shima; KAUM-I. 30118, 35.3 mm SL, Take-shima; KAUM-I. 30119, 34.6 mm SL, Take-shima; KAUM-I. 30120, 28.5 mm SL, Take-shima; KAUM-I. 31384, 33.0 mm SL, Take-shima; underwater photograph, Take-shima.

***Ostorhinchus aureus* (Lacepède, 1802)**

[Jpn name: Aosujitenjikudai]

Yoshida (2013k, as *Apogon aureus*): KAUM-I. 29607, 117.8 mm SL, Iwo-jima; underwater photograph, Take-shima. This study: KAUM-I. 129794, 59.2 mm SL, Take-shima.

***Ostorhinchus cheni* Hayashi, 1990**

[Jpn name: Munahoshiishimochi]

Yoshida (2013n, as *Apogon cheni*): KAUM-I. 37922, 141.1 mm SL, Iwo-jima. Yoshida and Motomura (2017a): KAUM-I. 37922, 141.1 mm SL, Iwo-jima.

Remarks: The Iwo-jima specimen represents the northernmost record for the species.

***Ostorhinchus doederleini* (Jordan and Snyder, 1901)**

[Jpn name: Osujiishimochi]

Yoshida (2013p, as *Apogon doederleini*): KAUM-I. 29402, 105.4 mm SL, Iwo-jima; KAUM-I. 29403, 77.6 mm SL, Iwo-jima; KAUM-I. 29423, 72.5 mm SL, Iwo-jima; KAUM-I. 29424, 74.4 mm SL, Iwo-jima; KAUM-I. 29701, 79.7 mm SL, Take-shima; KAUM-I. 30556, 21.2 mm SL, Iwo-jima; KAUM-I. 30568, 87.9 mm SL, Take-shima; KAUM-I. 30574, 108.6 mm SL, Take-shima; KAUM-I. 30575, 103.3 mm SL, Take-shima; KAUM-I. 30576, 109.8 mm SL, Take-shima; KAUM-I. 30577, 101.2 mm SL, Take-shima; KAUM-I. 30578, 102.6 mm SL, Take-shima; KAUM-I. 30579, 87.9 mm SL, Take-shima; KAUM-I. 31770, 104.4 mm SL, Take-shima; KAUM-I. 37708, 112.5 mm SL, Take-shima; KAUM-I. 37709, 77.6 mm SL, Take-shima; KAUM-I. 37710, 78.6 mm SL, Take-shima; KAUM-I. 37711, 82.5 mm SL, Take-shima; NSMT-P 106161, 70.9 mm SL, Take-shima. Yoshida and Motomura (2017b): KAUM-I. 29402, 103.3 mm SL, Iwo-jima; KAUM-I. 30574, 106.6 mm SL, Take-shima; KAUM-I. 30575, 100.7 mm SL, Take-shima; KAUM-I. 30576, 106.4 mm SL, Take-shima; KAUM-I. 30577, 98.9 mm SL, Take-shima; KAUM-I. 30578, 100.6 mm SL, Take-shima; KAUM-I. 31700, 102.6 mm SL, Take-shima. This study: KAUM-I. 156329, 64.6 mm SL, Take-shima; KAUM-I. 156584, 104.7 mm SL, Take-shima.

***Ostorhinchus endekataenia* (Bleeker, 1852)**

[Jpn name: Kosujiishimochi]

Yoshida (2013q, as *Apogon endekataenia*): KAUM-I. 31375, 35.1 mm SL, Take-shima; KAUM-I. 31376, 34.5 mm SL, Take-shima; KAUM-I. 31377, 33.5 mm SL, Take-shima; KAUM-I. 31378, 32.2 mm SL, Take-shima; KAUM-I. 31379, 31.4 mm SL, Take-shima; KAUM-I. 31380, 30.5 mm SL, Take-shima; KAUM-I. 31381, 31.2 mm SL, Take-shima; KAUM-I. 31382, 26.5 mm SL, Take-shima; KAUM-I. 31383, 25.3 mm SL, Take-shima; NSMT-P 106180, 4, 28.3–35.2 mm SL, Take-shima; NSMT-P 106708, 31.7 mm SL, Iwo-jima.

***Ostorhinchus fukuui* (Hayashi, 1990)**

[Jpn name: Futasujiishimochi]

Yoshida (2013t, as *Apogon fukuui*): underwater photograph, Iwo-jima.

***Ostorhinchus nigrofasciatus* (Lachner, 1953)**

[Jpn name: Minamifutosujiishimochi]

Yoshida (2013x, as *Apogon nigrofasciatus*): KAUM-I. 29508, 21.8 mm SL, Iwo-jima; KAUM-I. 30559, 16.8 mm SL, Iwo-jima; KAUM-I. 30597, 59.0 mm SL, Iwo-jima; KAUM-I. 31416, 30.7 mm SL, Iwo-jima; KAUM-I. 31666, 19.8 mm SL, Iwo-jima; KAUM-I. 31681, 29.4 mm SL, Iwo-jima; KAUM-I. 32354, 29.3 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Ostorhinchus notatus* (Houttuyn, 1782)**

[Jpn name: Kurohoshiishimochi]

Yoshida (2013y, as *Apogon notatus*): KAUM-I. 29702, 64.8 mm SL, Take-shima; KAUM-I. 29750, 61.6 mm SL, Take-shima; KAUM-I. 29751, 64.1 mm SL, Take-shima; KAUM-I. 30103, 62.0 mm SL, Take-shima; KAUM-I. 30104, 65.7 mm SL, Take-shima; KAUM-I. 30105, 59.2 mm SL, Take-shima; KAUM-I. 30106, 63.0 mm SL, Take-shima; KAUM-I. 30107, 61.6 mm SL, Take-shima; KAUM-I. 30108, 67.2 mm SL, Take-shima; KAUM-I. 30109, 60.6 mm SL, Take-shima. This study: KAUM-I. 129783, 17.6 mm SL, Take-shima.

***Ostorhinchus taeniophorus* (Regan, 1908)**

[Jpn name: Misujitenjikudai]

Yoshida (2013b', as *Apogon taeniophorus*): KAUM-I. 37686, 82.3 mm SL, Iwo-jima. This study: KAUM-I. 96595, 44.4 mm SL, Kuro-shima.

***Ostorhinchus wassinki* (Bleeker, 1860)**

[Jpn name: Kinsenshimochi]

Yoshida (2013z, as *Apogon properuptus*): KAUM-I. 29420, 50.5 mm SL, Iwo-jima; KAUM-I. 29417, 56.2 mm SL, Iwo-jima; KAUM-I. 29418, 49.2 mm SL, Iwo-jima; KAUM-I. 29419, 48.7 mm SL, Iwo-jima; KAUM-I. 29421, 45.2 mm SL, Iwo-jima; KAUM-I. 29438, 49.2 mm SL, Iwo-jima; KAUM-I. 29535, 46.8 mm SL, Iwo-jima; KAUM-I. 29680, 50.0 mm SL, Take-shima; KAUM-I. 29681, 48.5 mm SL, Take-shima; KAUM-I. 29704, 46.6 mm SL, Take-shima; KAUM-I. 29705, 52.2 mm SL, Take-shima; KAUM-I. 29706, 51.6 mm SL, Take-shima; KAUM-I. 29707, 48.6 mm SL, Take-shima; KAUM-I. 29708, 50.6 mm SL, Take-shima; KAUM-I. 30063, 49.9 mm SL, Take-shima; KAUM-I. 30064, 42.9 mm SL, Take-shima; KAUM-I. 30065, 47.4 mm SL, Take-shima; KAUM-I. 30066, 51.3 mm SL, Take-shima; KAUM-I. 30533, 57.7 mm SL, Iwo-jima; KAUM-I. 30598, 51.1 mm SL, Iwo-jima; KAUM-I. 30599, 51.3 mm SL, Iwo-jima; KAUM-I. 31678, 54.5 mm SL, Iwo-jima; KAUM-I. 32350, 37.0 mm SL, Iwo-jima; KAUM-I. 32351, 33.5 mm SL, Iwo-jima; KAUM-I. 32352, 23.5 mm SL, Iwo-jima; KAUM-I. 32353, 15.0 mm SL, Iwo-jima; KAUM-I. 37712, 57.9 mm SL, Take-shima; KAUM-I. 37713, 55.9 mm SL, Take-shima; KAUM-I. 37714, 53.6 mm SL, Take-shima; KAUM-I. 37715, 53.0 mm SL, Take-shima; KAUM-I. 37716, 53.3 mm SL, Take-shima; KAUM-I. 37717, 48.1 mm SL, Take-shima; KAUM-I. 37718, 44.8 mm SL, Take-shima; NSMT-P 106096, 53.0 mm SL, Iwo-jima; NSMT-P 106093, 51.0 mm SL, Take-shima; NSMT-P 106950, 16.3 mm SL, Iwo-jima; underwater photograph, Iwo-jima. This study: KAUM-I. 95932, 43.7 mm SL, Kuro-shima; KAUM-I. 95933, 41.3 mm SL, Kuro-shima; KAUM-I. 95934, 42.2 mm SL, Kuro-shima; KAUM-I. 95935, 43.4 mm SL, Kuro-shima; KAUM-I. 95936, 38.6 mm SL, Kuro-shima; KAUM-I. 95945, 24.1 mm SL, Kuro-shima; KAUM-I. 129786, 50.4 mm SL, Take-shima; KAUM-I. 129787, 53.3 mm SL, Take-shima; KAUM-I. 129788, 42.9 mm SL, Take-shima; KAUM-I. 129789, 44.3 mm SL, Take-shima; KAUM-I. 129798, 46.0 mm SL, Take-shima; KAUM-I. 156330, 51.3 mm SL, Take-shima; KAUM-I. 156331, 45.7 mm SL, Take-shima; KAUM-I. 156332, 47.9 mm SL, Take-shima.

***Pristiapogon exostigma* (Jordan and Starks, 1906)**

[Jpn name: Yukataishimochi]

Yoshida (2013r, as *Apogon exostigma*): KAUM-I. 37703, 90.2 mm SL, Take-shima.

***Pristiapogon fraenatus* (Valenciennes, 1832)**

[Jpn name: Hitosujiishimochi]

Yoshida (2013s, as *Apogon fraenatus*): KAUM-I. 29774, 71.8 mm SL, Take-shima; KAUM-I. 29775, 58.2 mm SL, Take-shima; KAUM-I. 31373, 30.8 mm SL, Take-shima; KAUM-I. 37607, 66.4 mm SL, Iwo-jima; KAUM-I. 33940, 40.6 mm SL, Iwo-jima. This study: KAUM-I. 129793, 59.2 mm SL, Take-shima.

***Pristiapogon kallopterus* (Bleeker, 1856)**

[Jpn name: Kasuriishimochi]

Yoshida (2013v, as *Apogon kallopterus*): KAUM-I. 31699, 110.0 mm SL, Take-shima; KAUM-I. 33942, 29.3 mm SL, Iwo-jima; KAUM-I. 37639, 114.5 mm SL, Iwo-jima; KAUM-I. 37832, 81.3 mm SL, Iwo-jima; NSMT-P 106139, 119.0 mm SL, Iwo-jima. This study: KAUM-I. 96596, 101.3 mm SL, Kuro-shima; KAUM-I. 96597, 109.2 mm SL, Kuro-shima.

***Pseudamia gelatinosa* Smith, 1956**

[Jpn name: Numeritenjikudai] (Pl. 4K)

This study: KAUM-I. 95904, 22.0 mm SL, Kuro-shima.

***Pseudamiops gracilicauda* (Lachner, 1953)**

[Jpn name: Kudaribozugisumodoki] (Pl. 5A)

This study: KAUM-I. 95961, 22.9 mm SL, Kuro-shima.

Remarks: The Kuro-shima specimen represents the northernmost record for the species.

***Rhabdamia gracilis* (Bleeker, 1856)**

[Jpn name: Sukashitenjikudai]

Yoshida and Motomura (2013a; 2018): KAUM–I. 29641, 54.8 mm SL, Take-shima; KAUM–I. 29642, 55.6 mm SL, Take-shima; KAUM–I. 29756, 55.6 mm SL, Take-shima; KAUM–I. 29757, 53.3 mm SL, Take-shima.

***Siphamia majimai* Matsubara and Iwai, 1958**

[Jpn name: Majimakuroishimochi]

Yoshida (2013h'): KAUM–I. 31370, 19.0 mm SL, Take-shima; KAUM–I. 31371, 19.1 mm SL, Take-shima; KAUM–I. 32312, 17.0 mm SL, Iwo-jima; KAUM–I. 37707, 19.3 mm SL, Take-shima.

**FAMILY EPIGONIDAE*****Epigonus denticulatus* Dieuzeide, 1950**

[Jpn name: Hageyasemutsu] (Pl. 5B)

This study: KAUM–I. 145667, 109.7 mm SL, Kuro-shima.

***Epigonus pectinifer* Mayer, 1974**

[Jpn name: Yasemutsu] (Pl. 5C)

This study: KAUM–I. 145666, 144.6 mm SL, Kuro-shima.

**FAMILY MALACANTHIDAE*****Hoplolatilus cuniculus* Randall and Dooley, 1974**

[Jpn name: Okinawasangoamadai]

Yoshida (2013i'): underwater photograph, Iwo-jima.

Remarks: The underwater photograph from Iwo-jima represents the northernmost record for the species.

***Hoplolatilus marcosi* Burgess, 1978**

[Jpn name: Akaobisangoamadai]

Yoshida (2013j'): underwater photograph, Iwo-jima.

Remarks: The underwater photograph from Iwo-jima represents the northernmost record for the species.

***Hoplolatilus randalli* Allen, Erdmann and Hamilton, 2010**

[Jpn name: N/A]

Yoshida and Motomura (2013b): underwater photograph, Take-shima.

Remarks: The underwater photograph from Take-shima represents the northernmost record for the species.

***Malacanthus brevirostris* Guichenot, 1848**

[Jpn name: Yaseamadai]

Yoshida (2013k'): underwater photograph, Iwo-jima.

***Malacanthus latovittatus* (Lacepède, 1801)**

[Jpn name: Kitsuneamadai]

Yoshida (2013l'): underwater photograph, Iwo-jima.

**FAMILY CORYPHAENIDAE*****Coryphaena hippurus* Linnaeus, 1758**

[Jpn name: Shiira]

Chiba (2013h): KAUM–I. 29631, 840.6 mm SL, Iwo-jima; KAUM–I. 37800, 27.7 mm SL, Iwo-jima.

**FAMILY CARANGIDAE*****Carangoides orthogrammus* (Jordan and Gilbert, 1882)**

[Jpn name: Nan-yokaiwari]

Hata (2013f): underwater photograph, Iwo-jima.

***Caranx melampygus* Cuvier, 1833**

[Jpn name: Kasumiaji]

Hata (2013g): underwater photograph, Take-shima. This study: KAUM-I. 96557, 582.0 mm SL, Kuro-shima.

***Caranx sexfasciatus* Quoy and Gaimard, 1825**

[Jpn name: Gingameaji] (Pl. 5D)

This study: KAUM-I. 96520, 218.8 mm SL, Kuro-shima; KAUM-I. 96521, 204.8 mm SL, Kuro-shima; KAUM-I. 96522, 196.8 mm SL, Kuro-shima; KAUM-I. 96523, 202.4 mm SL, Kuro-shima; KAUM-I. 96536, 209.6 mm SL, Kuro-shima.

***Elagatis bipinnulata* (Quoy and Gaimard, 1825)**

[Jpn name: Tsumuburi]

Hata (2013e): underwater photograph, Iwo-jima.

***Decapterus macarellus* (Cuvier, 1833)**

[Jpn name: Kusayamoro]

Hata (2013h): KAUM-I. 37838, 310.4 mm SL, Iwo-jima.

***Seriola dumerili* (Risso, 1810)**

[Jpn name: Kampachi] (Pl. 5E)

This study: KAUM-I. 156530, 187.5 mm SL, Take-shima.

***Seriola quinqueradiata* Temminck and Schlegel, 1845**

[Jpn name: Buri]

Hata (2013i): KAUM-I. 30592, 29.2 mm SL, Iwo-jima; KAUM-I. 30618, 22.1 mm SL, Iwo-jima; KAUM-I. 37788, 640.0 mm SL, Take-shima; NSMT-P 106123, 599.0 mm SL, Take-shima; NSMT-P 106920, 21.6 mm SL, Iwo-jima.

***Seriola rivoliana* Valenciennes, 1833**

[Jpn name: Hirenakampachi]

Hata (2013j): KAUM-I. 37648, 331.9 mm SL, Iwo-jima; NSMT-P 106091, 299.6 mm SL, Iwo-jima.

***Trachurus japonicus* (Temminck and Schlegel, 1844)**

[Jpn name: Maaji]

Hata (2013k): KAUM-I. 37685, 57.0 mm SL, Iwo-jima; KAUM-I. 37919, 62.4 mm SL, Take-shima.

**FAMILY BRAMIDAE*****Brama orcini* Cuvier, 1831**

[Jpn name: Marubarashimagatsuo] (Pl. 5F)

This study: KAUM-I. 97697, 235.7 mm SL, Kuro-shima.

**FAMILY LUTJANIDAE*****Lutjanus fulvus* (Forster, 1801)**

[Jpn name: Okifuedai]

Meguro (2013b): underwater photograph, Take-shima.

***Lutjanus gibbus* (Forsskål, 1775)**

[Jpn name: Himefuedai] (Pl. 5G)

This study: KAUM-I. 96593, 88.2 mm SL, Kuro-shima.

***Lutjanus kasmira* (Forsskål, 1775)**

[Jpn name: Yosujifuedai]

Meguro (2013a): KAUM-I. 29761, 41.1 mm SL, Take-shima; KAUM-I. 29762, 39.7 mm SL, Take-shima; KAUM-I. 30062, 40.3 mm SL, Take-shima; KAUM-I. 37721, 121.9 mm SL, Take-shima; underwater photograph, Take-shima.

***Lutjanus quinquelineatus* (Bloch, 1790)**

[Jpn name: Rokusenfuedai]

Meguro (2013c): KAUM-I. 29663, 70.4 mm SL, Take-shima; KAUM-I. 29760, 72.0 mm SL, Take-shima.

***Lutjanus rufolineatus* (Valenciennes, 1830)**

[Jpn name: Kyusenfuedai]

Meguro (2013d): KAUM-I. 37985, 178.8 mm SL, Take-shima; underwater photograph, Take-shima.

***Lutjanus russellii* (Bleeker, 1849)**

[Jpn name: Kurohoshifuedai]

Meguro (2013e): KAUM-I. 37992, 340.7 mm SL, Take-shima.

***Macolor macularis* Fowler, 1931**

[Jpn name: Hohosujitarumi]

Meguro (2013f): underwater photograph, Take-shima.

***Paracaesio sordida* Abe and Shinohara, 1962**

[Jpn name: Yogoreaodai]

Meguro (2013g): underwater photograph, Take-shima.

***Pinjalo pinjalo* (Bleeker, 1850)**

[Jpn name: Chikametakasago]

Wada and Motomura (2019): KAUM-I. 125210, 504.8 mm SL, Kuro-shima.

**FAMILY CAESIONIDAE*****Caesio teres* Seale, 1906**

[Jpn name: Umeiromodoki]

Meguro (2013h): KAUM-I. 37897, 240.7 mm SL, Showaiwo-jima; NSMT-P 106146, 256.7 mm SL, Showaiwo-jima; underwater photograph, Take-shima.

***Pterocaesio marri* Schultz, 1953**

[Jpn name: Nisetakasago]

Meguro (2013i): KAUM-I. 37839, 262.5 mm SL, Iwo-jima; underwater photograph, Take-shima.

**FAMILY HAEMULIDAE*****Plectorhinchus lessonii* (Cuvier, 1830)**

[Jpn name: Hiregurokoshodai]

Chiba (2013i): KAUM-I. 37915, 308.5 mm SL, Take-shima; underwater photograph, Take-shima.

***Plectorhinchus picus* (Cuvier, 1828)**

[Jpn name: Ajiakoshodai]

Chiba (2013j): KAUM-I. 29625, 284.7 mm SL, Iwo-jima; KAUM-I. 37802, 288.2 mm SL, Iwo-jima; KAUM-I. 37917, 371.5 mm SL, Take-shima; NSMT-P 106128, 445.0 mm SL, Iwo-jima; underwater photograph, Take-shima. This study: KAUM-I. 96570, 231.9 mm SL, Kuro-shima.

***Plectorhinchus vittatus* (Linnaeus, 1758)**

[Jpn name: Musujikoshodai]

Chiba (2013k): underwater photographs, Iwo-jima, Take-shima.

**FAMILY NEMIPTERIDAE*****Pentapodus aureofasciatus* Russell, 2001**

[Jpn name: Yakushimakitsuneuo]

Motomura (2013a'): underwater photograph, Iwo-jima.

***Pentapodus nagasakiensis* (Tanaka, 1915)**

[Jpn name: Itotamagashira]

Motomura (2013b'): KAUM-I. 37602, 119.7 mm SL, Iwo-jima.

***Scolopsis bilineata* (Bloch, 1793)**

[Jpn name: Futasujitamagashira]

Motomura (2013c'): KAUM-I. 31659, 32.2 mm SL, Iwo-jima; KAUM-I. 37615, 172.2 mm SL, Iwo-jima; NSMT-P 106086, 168.2 mm SL, Iwo-jima; underwater photograph, Iwo-jima. This study: KAUM-I. 96592, 70.0 mm SL, Kuro-shima.

***Scolopsis xenochrous* Günther, 1872**

[Jpn name: Kamentamagashira]

Motomura (2013d', as *Scolopsis xenochroa*): underwater photograph, Iwo-jima.

Remarks: The underwater photograph from Iwo-jima represents the northernmost record for the species.

**FAMILY SPARIDAE*****Rhabdosargus sarba* (Forsskål, 1775)**

[Jpn name: Hedai]

Chiba (2013l): KAUM-I. 37846, 14.9 mm SL, Iwo-jima.

**FAMILY LETHRINIDAE*****Lethrinus nebulosus* (Forsskål, 1775)**

[Jpn name: Hamafuefuki]

Meguro (2013j): KAUM-I. 37766, 448.4 mm SL, Take-shima; NSMT-P 106162, 510.0 mm SL, Take-shima; underwater photograph, Take-shima.

***Monotaxis grandoculis* (Forsskål, 1775)**

[Jpn name: Yokoshimakurodai]

Meguro (2013k): underwater photograph, Take-shima.

**FAMILY MULLIDAE*****Mulloidichthys vanicolensis* (Valenciennes, 1831)**

[Jpn name: Akahimeji]

Yoshida (2013m'): underwater photograph, Take-shima. This study: KAUM-I. 96543, 248.8 mm SL, Kuro-shima.

***Parupeneus ciliatus* (Lacepède, 1802)**

[Jpn name: Horaihimeji]

Yoshida (2013n'): KAUM-I. 37910, 227.7 mm SL, Iwo-jima; NSMT-P 106172, 225.3 mm SL, Take-shima; underwater photograph, Take-shima. This study: KAUM-I. 96563, 233.5 mm SL, Kuro-shima.

***Parupeneus cyclostomus* (Lacepède, 1801)**

[Jpn name: Marukuchihimeji]

Yoshida (2013o'): KAUM-I. 37804, 337.5 mm SL, Iwo-jima. This study: KAUM-I. 157484, 259.8 mm SL, Take-shima.

***Parupeneus multifasciatus* (Quoy and Gaimard, 1825)**

[Jpn name: Ojisan]

Yoshida (2013p'): KAUM-I. 29400, 167.4 mm SL, Iwo-jima; KAUM-I. 30123, 185.1 mm SL, Take-shima; KAUM-I. 34006, 145.4 mm SL, Iwo-jima; KAUM-I. 37630, 219.0 mm SL, Iwo-jima; NSMT-P 106121, 165.3 mm SL, Take-shima; underwater photograph, Take-shima. This study: KAUM-I. 96560, 180.9 mm SL, Kuro-shima; KAUM-I. 96561, 186.6 mm SL, Kuro-shima; KAUM-I. 96562, 141.2 mm SL, Kuro-shima; KAUM-I. 156554, 158.6 mm SL, Take-shima; KAUM-I. 156555, 153.6 mm SL, Take-shima; KAUM-I. 156556, 151.4 mm SL, Take-shima; KAUM-I. 156557, 173.1 mm SL, Take-shima; KAUM-I. 156558, 173.8 mm SL, Take-shima; KAUM-I. 156571, 180.5 mm SL, Take-shima.

***Parupeneus pleurostigma* (Bennett, 1831)**

[Jpn name: Ryukyuhomeji] (Pl. 5H)

This study: KAUM-I. 96546, 204.0 mm SL, Kuro-shima; KAUM-I. 96579, 178.9 mm SL, Kuro-shima.

***Upeneus vittatus* (Forsskål, 1775)**

[Jpn name: Minamihimeji]

Yoshida (2013q'): KAUM-I. 29401, 207.1 mm SL, Iwo-jima.

**FAMILY PEMIPHERIDAE*****Parapriacanthus ransonneti* Steindachner, 1870**

[Jpn name: Kimmemodoki]

Meguro (2013l): KAUM-I. 29785, 58.1 mm SL, Take-shima; KAUM-I. 29786, 58.8 mm SL, Iwo-jima; KAUM-I. 30096, 51.9 mm SL, Iwo-jima; KAUM-I. 30097, 55.3 mm SL, Iwo-jima; KAUM-I. 30098, 54.3 mm SL, Iwo-jima; KAUM-I. 30099, 52.6 mm SL, Iwo-jima; KAUM-I. 30100, 48.5 mm SL, Iwo-jima; KAUM-I. 30101, 52.4 mm SL, Iwo-jima; KAUM-I. 30102, 56.3 mm SL, Iwo-jima; underwater photograph, Take-shima.

***Pempheris adusta* Bleeker, 1877**

[Jpn name: Ryukyuhatampo]

Meguro (2013o, as *Pempheris* sp.): KAUM-I. 37785, 126.6 mm SL, Take-shima. This study: KAUM-I. 96578, 156.3 mm SL, Kuro-shima; KAUM-I. 96594, 138.5 mm SL, Kuro-shima.

***Pempheris japonica* Döderlein, 1883**

[Jpn name: Tsumagurohatampo]

Meguro (2013m): KAUM-I. 37894, 149.0 mm SL, Iwo-jima.

***Pempheris schwenkii* Bleeker, 1855**

[Jpn name: Minamihatampo]

Meguro (2013n): KAUM-I. 31715, 136.4 mm SL, Take-shima; KAUM-I. 31716, 107.0 mm SL, Take-shima; KAUM-I. 31717, 110.1 mm SL, Take-shima; KAUM-I. 31718, 108.2 mm SL, Take-shima; KAUM-I. 37785, 126.6 mm SL, Take-shima; KAUM-I. 37911, 105.5 mm SL, Iwo-jima. This study: KAUM-I. 95901, 131.5 mm SL, Kuro-shima.

**FAMILY CHAETODONTIDAE*****Chaetodon argentatus* Smith and Radcliffe, 1911**

[Jpn name: Kagamichochoou]

Iwatsubo (2013d): KAUM-I. 37973, 91.1 mm SL, Take-shima; underwater photograph, Take-shima.

***Chaetodon auriga* Forsskål, 1775**

[Jpn name: Togechochoou]

Iwatsubo (2013e): KAUM-I. 37633, 159.3 mm SL, Iwo-jima. This study: KAUM-I. 96568, 131.0 mm SL, Kuro-shima.

***Chaetodon aripes* Jordan and Snyder, 1901**

[Jpn name: Chochouo]

Iwatsubo (2013f): KAUM-I. 30595, 135.0 mm SL, Iwo-jima; KAUM-I. 31402, 24.7 mm SL, Take-shima; NSMT-P 106108, 140.6 mm SL, Take-shima; underwater photograph, Take-shima. This study: KAUM-I. 96565, 116.3 mm SL, Kuro-shima.

***Chaetodon citrinellus* Cuvier, 1831**

[Jpn name: Gomachochoou]

Iwatsubo (2013g): underwater photograph, Iwo-jima.

***Chaetodon guentheri* Ahl, 1923**

[Jpn name: Kokutenkatagi]

Iwatsubo (2013h): underwater photograph, Iwo-jima.

***Chaetodon kleinii* Bloch, 1790**

[Jpn name: Mizorechochoou]

Iwatsubo (2013i): KAUM-I. 30571, 25.7 mm SL, Iwo-jima; KAUM-I. 31655, 43.7 mm SL, Iwo-jima; KAUM-I. 31664, 27.7 mm SL, Iwo-jima; KAUM-I. 32327, 92.2 mm SL, Iwo-jima; KAUM-I. 37657, 94.6 mm SL, Iwo-jima; NSMT-P 106076, 74.3 mm SL, Iwo-jima; NSMT-P 106083, 98.8 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Chaetodon lineolatus* Cuvier, 1831**

[Jpn name: Nisefuraichochoou]

Iwatsubo (2013j): KAUM-I. 37616, 222.9 mm SL, Iwo-jima.

***Chaetodon lunula* (Lacepède, 1802)**

[Jpn name: Chohan]

Iwatsubo (2013k): KAUM-I. 37974, 161.0 mm SL, Take-shima; underwater photograph, Take-shima.

***Chaetodon lunulatus* Quoy and Gaimard, 1825**

[Jpn name: Misujichochoou]

Iwatsubo (2013l): KAUM-I. 32333, 40.9 mm SL, Iwo-jima.

***Chaetodon melannotus* Bloch and Schneider, 1801**

[Jpn name: Akebonochochoou]

Iwatsubo (2013m): KAUM-I. 37913, 129.8 mm SL, Take-shima; underwater photograph, Take-shima.

***Chaetodon nippon* Steindachner and Döderlein, 1883**

[Jpn name: Shirakodai]

Iwatsubo (2013n): KAUM-I. 37896, 123.6 mm SL, Iwo-jima; underwater photograph, Take-shima.

***Chaetodon trifascialis* Quoy and Gaimard, 1825**

[Jpn name: Yarikatagi]

Iwatsubo (2013o): underwater photograph, Take-shima.

***Chaetodon wiebeli* Kaup, 1863**

[Jpn name: Tsukichochoou]

Iwatsubo (2013p): underwater photograph, Take-shima.

***Chaetodon xanthurus* Bleeker, 1857**

[Jpn name: Amimechochoou]

Iwatsubo (2013q): underwater photograph, Iwo-jima.

***Coradion altivelis* McCulloch, 1916**

[Jpn name: Takigenrokudai]

Iwatsubo (2013r): KAUM-I. 37982, 149.4 mm SL, Take-shima; underwater photograph, Take-shima.

***Forcipiger flavissimus* Jordan and McGregor, 1898**

[Jpn name: Fueyakkodai]

Iwatsubo (2013s): KAUM-I. 32318, 79.1 mm SL, Iwo-jima. This study: KAUM-I. 96558, 131.3 mm SL, Kuro-shima.

***Hemitaurichthys polylepis* (Bleeker, 1857)**

[Jpn name: Kasumichochoou] (Pl. 5l)

This study: KAUM-I. 96555, 90.9 mm SL, Kuro-shima.

***Heniochus chrysostomus* Cuvier, 1831**

[Jpn name: Minamihatatedai]

Iwatsubo (2013t): underwater photograph, Take-shima.

***Heniochus varius* (Cuvier, 1829)**

[Jpn name: Tsunohatatedai]

Iwatsubo (2013u): underwater photograph, Take-shima.

**FAMILY POMACANTHIDAE*****Apolemichthys trimaculatus* (Cuvier, 1831)**

[Jpn name: Shiten-yakko]

Iwatsubo (2013v): KAUM-I. 29558, 150.0 mm SL, Iwo-jima; KAUM-I. 37601, 146.7 mm SL, Iwo-jima; underwater photograph, Take-shima.

***Centropyge bicolor* (Bloch, 1787)**

[Jpn name: Somewakeyakko] (Pl. 5J)

This study: KAUM-I. 95888, 41.8 mm SL, Kuro-shima.

***Centropyge tibicen* (Cuvier, 1831)**

[Jpn name: Aburayakko]

Iwatsubo (2013w): KAUM-I. 33949, 32.7 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Centropyge vrolikii* (Bleeker, 1853)**

[Jpn name: Namerayakko]

Iwatsubo (2013x): KAUM-I. 30542, 32.9 mm SL, Iwo-jima.

***Genicanthus bellus* Randall, 1975**

[Jpn name: Fukamiyakko]

Nishiyama (2013p): KAUM-I. 37920, 95.0 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

Remarks: The Iwo-jima specimen represents the northernmost record for the species in Japanese waters.

***Genicanthus lamarck* (Lacepède, 1802)**

[Jpn name: Tatejimayakko]

Iwatsubo (2013y): KAUM-I. 37628, 164.3 mm SL, Iwo-jima; KAUM-I. 37643, 170.8 mm SL, Iwo-jima; NSMT-P 106084, 175.7 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Genicanthus melanospilos* (Bleeker, 1857)**

[Jpn name: Yaitoyakko]

Iwatsubo (2013z): KAUM-I. 37625, 161.9 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Genicanthus semifasciatus* (Kamohara, 1934)**

[Jpn name: Tosayakko]

Iwatsubo (2013a'): KAUM-I. 37644, 164.2 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Paracentropyge venusta* (Yasuda and Tominaga, 1969)**

[Jpn name: Sumireyakko]

Iwatsubo (2013b'): underwater photograph, Iwo-jima.

***Pomacanthus imperator* (Bloch, 1787)**

[Jpn name: Tatejimakinchakudai]

Iwatsubo (2013c'): KAUM-I. 29480, 19.6 mm SL, Iwo-jima; KAUM-I. 29505, 63.8 mm SL, Iwo-jima; KAUM-I. 29557, 183.5 mm SL, Iwo-jima; KAUM-I. 32334, 67.7 mm SL, Iwo-jima; KAUM-I. 37656, 225.7 mm SL, Iwo-jima; KAUM-I. 37689, 111.3 mm SL, Iwo-jima; NSMT-P 106089, 180.0 mm SL, Iwo-jima; NSMT-P 106093, 42.2 mm SL, Iwo-jima; underwater photograph, Iwo-jima. This study: KAUM-I. 96564, 183.9 mm SL, Kuro-shima; KAUM-I. 129775, 75.8 mm SL, Take-shima; KAUM-I. 129776, 62.3 mm SL, Take-shima; KAUM-I. 129777, 52.3 mm SL, Take-shima.

***Pomacanthus semicirculatus* (Cuvier, 1831)**

[Jpn name: Sazanamiyakko]

Iwatsubo (2013d'): KAUM-I. 37747, 14.8 mm SL, Take-shima; KAUM-I. 37781, 231.8 mm SL, Take-shima; underwater photograph, Iwo-jima.

**FAMILY PENTACEROTIDAE*****Evistias acutirostris* (Temminck and Schlegel, 1844)**

[Jpn name: Tengudai]

Iwatsubo (2013e): KAUM-I. 37780, 242.5 mm SL, Take-shima.

**FAMILY CIRRHITIDAE*****Cirrhitichthys aprinus* (Cuvier, 1829)**

[Jpn name: Minamigombe]

Meguro (2013q): KAUM-I. 29584, 37.0 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Cirrhitichthys aureus* (Temminck and Schlegel, 1843)**

[Jpn name: Okigombe]

Meguro (2013r): KAUM-I. 29406, 101.3 mm SL, Iwo-jima; KAUM-I. 29407, 91.2 mm SL, Iwo-jima; KAUM-I. 29408, 107.0 mm SL, Iwo-jima; KAUM-I. 29409, 94.5 mm SL, Iwo-jima; KAUM-I. 29410, 90.8 mm SL, Iwo-jima; NSMT-P 106124, 83.7 mm SL, Iwo-jima.

***Cirrhitis pinnulatus pinnulatus* (Forster, 1801)**

[Jpn name: Isogombe]

Meguro (2013s): KAUM-I. 37605, 71.3 mm SL, Iwo-jima. This study: KAUM-I. 129834, 187.2 mm SL, Take-shima.

***Oxycirrhites typus* Bleeker, 1857**

[Jpn name: Kudagombe]

Meguro (2013t): underwater photograph, Iwo-jima.

**FAMILY LATRIDAE*****Goniistius zebra* (Döderlein, 1883)**

[Jpn name: Migimaki]

Tashiro and Chiba (2013a, as *Cheilodactylus zebra*): KAUM-I. 37634, 291.2 mm SL, Iwo-jima; NSMT-P 106168, 295.4 mm SL, Take-shima. This study: KAUM-I. 96559, 152.1 mm SL, Kuro-shima.***Goniistius zonatus* (Cuvier, 1830)**

[Jpn name: Takanohadai]

Tashiro and Chiba (2013b, as *Cheilodactylus zonatus*): KAUM-I. 37906, 321.3 mm SL, Showaiwo-jima; NSMT-P 106148, 361.1 mm SL, Iwo-jima.**FAMILY POMACENTRIDAE*****Abudefduf sexfasciatus* (Lacepède, 1801)**

[Jpn name: Rokusensuzumedai] (Pl. 6A)

This study: KAUM-I. 156532, 118.4 mm SL, Take-shima.

***Abudefduf sordidus* (Forsskål, 1775)**

[Jpn name: Shimasuzumedai]

Nishiyama (2013q): KAUM-I. 37882, 17.2 mm SL, Iwo-jima; underwater photograph, Showaiwo-jima.

***Abudefduf vaigiensis* (Quoy and Gaimard, 1825)**

[Jpn name: Oyabitcha]

Nishiyama (2013r): KAUM-I. 29593, 128.0 mm SL, Iwo-jima; KAUM-I. 29594, 128.2 mm SL, Iwo-jima;

KAUM-I. 29595, 140.3 mm SL, Iwo-jima; KAUM-I. 29596, 83.5 mm SL, Iwo-jima; KAUM-I. 32325, 126.4 mm SL, Iwo-jima; KAUM-I. 32329, 140.4 mm SL, Iwo-jima; KAUM-I. 37632, 126.5 mm SL, Iwo-jima; KAUM-I. 37998, 26.3 mm SL, Take-shima; underwater photograph, Iwo-jima. This study: KAUM-I. 156528, 137.2 mm SL, Take-shima; KAUM-I. 156581, 131.8 mm SL, Take-shima; KAUM-I. 156582, 125.6 mm SL, Take-shima; KAUM-I. 156583, 125.9 mm SL, Take-shima; KAUM-I. 156576, 121.9 mm SL, Take-shima; KAUM-I. 156727, 131.7 mm SL, Take-shima.

***Amblyglyphidodon leucogaster* (Bleeker, 1847)**

[Jpn name: Namisuzumedai]

Nishiyama (2013s): underwater photograph, Iwo-jima.

***Amblypomacentrus tricinctus* (Allen and Randall, 1974)**

[Jpn name: Misujisuzumedai]

Nishiyama (2013y, as *Chrysiptera tricincta*): underwater photograph, Iwo-jima.

***Amphiprion clarkii* (Bennett, 1830)**

[Jpn name: Kumanomi]

Iwatsubo (2013f): KAUM-I. 29532, 44.5 mm SL, Iwo-jima; KAUM-I. 29666, 97.3 mm SL, Take-shima.

***Azurina elerae* Fowler and Bean, 1928**

[Jpn name: Taiwansuzumedai]

Iwatsubo and Nishiyama (2013, as *Chromis elerae*): KAUM-I. 29565, 37.7 mm SL, Iwo-jima; KAUM-I. 37963, 38.6 mm SL, Iwo-jima; NSMT-P 106151, 43.8 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

Remarks: The Iwo-jima specimens represent the northernmost records for the species.

***Azurina lepidolepis* (Bleeker, 1877)**

[Jpn name: Sasasuzumedai]

Nishiyama (2013v, as *Chromis lepidolepis*): underwater photograph, Take-shima.

***Chromis albicauda* Allen and Erdmann, 2009**

[Jpn name: Koganesuzumedai]

Iwatsubo and Motomura (2010): KAUM-I. 29605, 143.0 mm SL, Iwo-jima. Iwatsubo (2013g'): KAUM-I. 29605, 143.7 mm SL, Iwo-jima; KAUM-I. 37610, 141.9 mm SL, Iwo-jima; NSMT-P 106949, 15.8 mm SL, Iwo-jima. This study: KAUM-I. 96554, 130.5 mm SL, Kuro-shima.

***Chromis albomaculata* Kamohara, 1960**

[Jpn name: Shiroboshisuzumedai]

Nishiyama (2013t): underwater photograph, Iwo-jima.

***Chromis bowesi* Arango, Pinheiro, Rocha, Greene, Pyle, Copus, Shepherd and Rocha, 2019**

[Jpn name: Hisuisuzumedai]

Nishiyama et al. (2012, as *Chromis earina*): KAUM-I. 37908, 84.2 mm SL, Iwo-jima. Nishiyama (2013u, as *Chromis earina*): KAUM-I. 37908, 84.2 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

Remarks: The present specimen from Iwo-jima, previously reported as *C. earina*, was re-identified as *C. bowesi* by Arango et al. (2019), true *C. earina* having not been recorded from Japanese waters. In Japanese waters, *C. bowesi* is known only from Iwo-jima. The present specimen represents the northernmost record for the species.

***Chromis chrysur* (Bliss, 1883)**

[Jpn name: Amamisuzumedai]

Iwatsubo (2013j'): KAUM-I. 30535, 25.0 mm SL, Iwo-jima; KAUM-I. 30603, 26.0 mm SL, Iwo-jima; KAUM-I. 37776, 28.1 mm SL, Take-shima; underwater photograph, Iwo-jima. This study: KAUM-I. 96512, 124.4 mm SL, Kuro-shima.

***Chromis fumea* (Tanaka, 1917)**

[Jpn name: Matsubasuzumedai]

Iwatsubo (2013m'): KAUM-I. 31658, 20.9 mm SL, Iwo-jima; KAUM-I. 37782, 95.4 mm SL, Take-shima; KAUM-I. 37784, 99.7 mm SL, Take-shima; underwater photograph, Iwo-jima. This study: KAUM-I. 129809, 61.2 mm SL, Take-shima.

***Chromis okamurai* Yamakawa and Randall, 1989**

[Jpn name: Obitokaisuzumedai]

Iwatsubo (2013o'): underwater photograph, Take-shima.

***Chromis weberi* Fowler and Bean, 1928**

[Jpn name: Takasagosuzumedai]

Iwatsubo (2013q'): KAUM-I. 29597, 80.7 mm SL, Iwo-jima; KAUM-I. 30604, 22.8 mm SL, Iwo-jima; KAUM-I. 32326, 94.5 mm SL, Iwo-jima. This study: KAUM-I. 129810, 66.8 mm SL, Take-shima.

***Chromis xanthura* (Bleeker, 1854)**

[Jpn name: Monsuzumedai]

Nishiyama (2013w): underwater photograph, Iwo-jima.

***Chromis xouthos* Allen and Erdmann, 2005**

[Jpn name: Himawarisuzumedai]

Iwatsubo and Motomura (2010, as *Chromis analis*): KAUM-I. 29566, 95.9 mm SL, Iwo-jima; KAUM-I. 29567, 117.9 mm SL, Iwo-jima. Iwatsubo (2013h', as *Chromis analis*): KAUM-I. 29566, 116.7 mm SL, Iwo-jima; KAUM-I. 29567, 95.5 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Chromis yamakawai* Iwatsubo and Motomura, 2013**

[Jpn name: Kihoshisuzumedai]

Iwatsubo (2013l', as *Chromis flavomaculata*): KAUM-I. 29581, 19.4 mm SL, Iwo-jima. Iwatsubo and Motomura (2013): KAUM-I. 29581, 18.2 mm SL, Iwo-jima.

***Chrysiptera caeruleolineata* (Allen, 1973)**

[Jpn name: Aosujisuzumedai]

Iwatsubo (2013r'): underwater photograph, Iwo-jima.

***Chrysiptera starcki* (Allen, 1973)**

[Jpn name: Senakiririsuzumedai]

Nishiyama (2013x): KAUM-I. 29530, 58.0 mm SL, Iwo-jima; KAUM-I. 29531, 33.7 mm SL, Iwo-jima; KAUM-I. 37777, 32.5 mm SL, Take-shima; underwater photograph, Iwo-jima.

***Chrysiptera unimaculata* (Cuvier, 1830)**

[Jpn name: Ichimonsuzumedai]

Nishiyama (2013z): KAUM-I. 37728, 48.1 mm SL, Take-shima.

***Dascyllus reticulatus* (Richardson, 1846)**

[Jpn name: Futasujiryukyusuzumedai]

Iwatsubo (2013s): KAUM-I. 29645, 38.9 mm SL, Take-shima; KAUM-I. 29646, 29.9 mm SL, Take-shima; KAUM-I. 37770, 33.0 mm SL, Take-shima; KAUM-I. 37771, 27.1 mm SL, Take-shima; KAUM-I. 37772, 27.4 mm SL, Take-shima; KAUM-I. 37773, 23.0 mm SL, Take-shima; NSMT-P 106163, 33.8 mm SL, Take-shima. This study: KAUM-I. 95894, 27.8 mm SL, Kuro-shima; KAUM-I. 129811, 22.8 mm SL, Take-shima; KAUM-I. 156368, 31.6 mm SL, Take-shima; KAUM-I. 156369, 26.0 mm SL, Take-shima; KAUM-I. 156370, 22.8 mm SL, Take-shima; KAUM-I. 156371, 21.6 mm SL, Take-shima; KAUM-I. 156372, 19.9 mm SL, Take-shima; KAUM-I. 156373, 17.3 mm SL, Take-shima; KAUM-I. 156374, 16.4 mm SL, Take-shima; KAUM-I. 156872, 29.1 mm SL, Take-shima; KAUM-I. 156873, 26.5 mm SL, Take-shima; KAUM-I. 156874, 28.4 mm SL, Take-shima; KAUM-I. 156875, 25.3 mm SL, Take-shima; KAUM-I. 156876, 24.8 mm SL, Take-shima.

***Dascyllus trimaculatus* (Rüppell, 1829)**

[Jpn name: Mitsuboshikurosuzumedai]

Iwatsubo (2013t): KAUM-I. 29533, 39.8 mm SL, Iwo-jima; KAUM-I. 29582, 17.2 mm SL, Iwo-jima; KAUM-I. 29661, 27.2 mm SL, Take-shima; KAUM-I. 29799, 108.4 mm SL, Take-shima; NSMT-P 106105, 36.0 mm SL, Iwo-jima; NSMT-P 106107, 115.9 mm SL, Take-shima. This study: KAUM-I. 95895, 25.8 mm SL, Kuro-shima; KAUM-I. 156375, 39.7 mm SL, Take-shima; KAUM-I. 156376, 27.6 mm SL, Take-shima.

***Neoglyphidodon nigroris* (Cuvier, 1830)**

[Jpn name: Hirenagasuzumedai] (Pl. 6B, C)

This study: KAUM-I. 156355, 43.9 mm SL, Take-shima; KAUM-I. 156388, 105.4 mm SL, Take-shima; KAUM-I. 156542, 120.0 mm SL, Take-shima; KAUM-I. 156559, 104.1 mm SL, Take-shima; KAUM-I. 156560, 112.4 mm SL, Take-shima; KAUM-I. 156561, 101.0 mm SL, Take-shima; KAUM-I. 156562, 104.1 mm SL, Take-shima; KAUM-I. 156563, 106.2 mm SL, Take-shima; KAUM-I. 156577, 90.5 mm SL, Take-shima; KAUM-I. 156578, 98.3 mm SL, Take-shima; KAUM-I. 156579, 92.2 mm SL, Take-shima; KAUM-I. 156580, 92.8 mm SL, Take-shima; KAUM-I. 156815, 100.0 mm SL, Take-shima; KAUM-I. 156816, 109.3 mm SL, Take-shima; KAUM-I. 156817, 98.5 mm SL, Take-shima; KAUM-I. 156818, 102.0 mm SL, Take-shima; KAUM-I. 156819, 104.8 mm SL, Take-shima.

***Plectroglyphidodon altus* (Okada and Ikeda, 1937)**

[Jpn name: Sedakasuzumedai] (Pl. 6D)

This study: KAUM-I. 156534, 106.1 mm SL, Take-shima; KAUM-I. 156540, 113.2 mm SL, Take-shima; KAUM-I. 156820, 108.5 mm SL, Take-shima.

***Pomacentrus coelestis* Jordan and Starks, 1901**

[Jpn name: Sorasuzumedai]

Nishiyama (2013a): KAUM-I. 29752, 49.1 mm SL, Take-shima; KAUM-I. 29753, 49.8 mm SL, Take-shima; KAUM-I. 29754, 47.0 mm SL, Take-shima; KAUM-I. 37661, 39.4 mm SL, Iwo-jima; NSMT-P 106186, 5 specimens, 15.6–17.0 mm SL, Take-shima. This study: KAUM-I. 95886, 49.5 mm SL, Kuro-shima; KAUM-I. 95896, 37.2 mm SL, Kuro-shima; KAUM-I. 95897, 52.4 mm SL, Kuro-shima; KAUM-I. 95898, 34.9 mm SL, Kuro-shima; KAUM-I. 95899, 32.2 mm SL, Kuro-shima; KAUM-I. 95903, 29.3 mm SL, Kuro-shima; KAUM-I. 95917, 41.0 mm SL, Kuro-shima.

***Pomacentrus nagasakiensis* Tanaka, 1917**

[Jpn name: Nagasakisuzumedai]

Nishiyama (2013b): KAUM-I. 29404, 80.3 mm SL, Iwo-jima; KAUM-I. 29598, 106.3 mm SL, Iwo-jima;

KAUM-I. 29647, 52.2 mm SL, Take-shima; KAUM-I. 29648, 52.2 mm SL, Take-shima; KAUM-I. 29726, 62.5 mm SL, Iwo-jima; KAUM-I. 31417, 63.0 mm SL, Iwo-jima; KAUM-I. 31627, 40.1 mm SL, Iwo-jima; KAUM-I. 33943, 82.0 mm SL, Iwo-jima; KAUM-I. 37935, 95.8 mm SL, Iwo-jima; NSMT-P 106125, 104.0 mm SL, Iwo-jima. This study: KAUM-I. 129808, 57.8 mm SL, Take-shima; KAUM-I. 156541, 97.3 mm SL, Take-shima; KAUM-I. 156566, 100.4 mm SL, Take-shima; KAUM-I. 156567, 95.4 mm SL, Take-shima; KAUM-I. 156568, 87.9 mm SL, Take-shima; KAUM-I. 156569, 97.3 mm SL, Take-shima; KAUM-I. 156570, 79.0 mm SL, Take-shima; KAUM-I. 156821, 97.4 mm SL, Take-shima.

***Pomacentrus vaiuli* Jordan and Seale, 1906**

[Jpn name: Kuromeganesuzumedai]

Nishiyama (2013c): KAUM-I. 31625, 65.5 mm SL, Iwo-jima.

***Pycnochromis atripes* (Fowler and Bean, 1928)**

[Jpn name: Hiregurosuzumedai]

Iwatsubo (2013i', as *Chromis atripes*): KAUM-I. 31624, 43.5 mm SL, Iwo-jima; KAUM-I. 31626, 20.9 mm SL, Iwo-jima.

***Pycnochromis delta* (Randall, 1988)**

[Jpn name: Derutasuzumedai]

Iwatsubo (2013k', as *Chromis delta*): underwater photograph, Iwo-jima.

***Pycnochromis margaritifer* (Fowler, 1946)**

[Jpn name: Shikokusuzumedai]

Iwatsubo (2013n', as *Chromis margaritifer*): KAUM-I. 29479, 18.9 mm SL, Iwo-jima; KAUM-I. 29755, 36.5 mm SL, Take-shima; KAUM-I. 30045, 27.3 mm SL, Iwo-jima; KAUM-I. 30060, 42.1 mm SL, Take-shima; KAUM-I. 30536, 47.2 mm SL, Iwo-jima; KAUM-I. 30545, 40.2 mm SL, Iwo-jima; KAUM-I. 30546, 28.8 mm SL, Iwo-jima; KAUM-I. 31628, 41.3 mm SL, Iwo-jima; KAUM-I. 37638, 47.4 mm SL, Iwo-jima; NSMT-P 106137, 53.8 mm SL, Iwo-jima; NSMT-P 106185, 14.5 mm SL, Take-shima; NSMT-P 106932, 22.5 mm SL, Iwo-jima. This study: KAUM-I. 95891, 62.3 mm SL, Kuro-shima; KAUM-I. 95902, 25.0 mm SL, Kuro-shima.

***Pycnochromis ovatiformis* (Fowler, 1946)**

[Jpn name: Marusuzumedai]

Iwatsubo (2013p', as *Chromis ovatiformis*): KAUM-I. 29649, 64.0 mm SL, Take-shima; underwater photograph, Iwo-jima.

**FAMILY TERAPONTIDAE**

***Terapon jarbua* (Forsskål, 1775)**

[Jpn name: Kotohiki]

Chiba (2013m): KAUM-I. 29413, 81.6 mm SL, Iwo-jima; KAUM-I. 29414, 109.4 mm SL, Iwo-jima; KAUM-I. 37847, 13.9 mm SL, Iwo-jima; KAUM-I. 41014, 12.9 mm SL, Iwo-jima.

**FAMILY KUHLIIDAE**

***Kuhlia mugil* (Forster, 1801)**

[Jpn name: Gin-yugoi]

Meguro (2013p): KAUM-I. 37809, 58.4 mm SL, Iwo-jima; KAUM-I. 37810, 74.1 mm SL, Iwo-jima; KAUM-I. 37811, 92.2 mm SL, Iwo-jima; KAUM-I. 37819, 65.7 mm SL, Iwo-jima; KAUM-I. 37820, 67.1 mm SL, Iwo-jima; KAUM-I. 37848, 71.6 mm SL, Iwo-jima; KAUM-I. 37849, 72.2 mm SL, Iwo-jima;

KAUM-I. 37850, 71.9 mm SL, Iwo-jima; KAUM-I. 37851, 57.3 mm SL, Iwo-jima; KAUM-I. 37852, 65.5 mm SL, Iwo-jima; KAUM-I. 37853, 73.7 mm SL, Iwo-jima; KAUM-I. 37854, 59.6 mm SL, Iwo-jima; KAUM-I. 37855, 61.4 mm SL, Iwo-jima; KAUM-I. 37856, 45.3 mm SL, Iwo-jima; KAUM-I. 37857, 48.6 mm SL, Iwo-jima; KAUM-I. 37858, 65.7 mm SL, Iwo-jima; KAUM-I. 37859, 59.9 mm SL, Iwo-jima; KAUM-I. 37860, 59.2 mm SL, Iwo-jima; KAUM-I. 37861, 66.6 mm SL, Iwo-jima; KAUM-I. 37862, 52.6 mm SL, Iwo-jima; KAUM-I. 37863, 56.9 mm SL, Iwo-jima; KAUM-I. 37864, 27.0 mm SL, Iwo-jima; KAUM-I. 37865, 39.1 mm SL, Iwo-jima; KAUM-I. 37866, 57.8 mm SL, Iwo-jima; KAUM-I. 37867, 50.2 mm SL, Iwo-jima; KAUM-I. 37868, 47.9 mm SL, Iwo-jima; KAUM-I. 37869, 78.9 mm SL, Iwo-jima; KAUM-I. 37870, 71.8 mm SL, Iwo-jima; KAUM-I. 37871, 76.6 mm SL, Iwo-jima; KAUM-I. 37872, 75.9 mm SL, Iwo-jima; KAUM-I. 37873, 75.9 mm SL, Iwo-jima; KAUM-I. 37874, 84.2 mm SL, Iwo-jima; KAUM-I. 37875, 85.8 mm SL, Iwo-jima; KAUM-I. 37876, 77.4 mm SL, Iwo-jima; KAUM-I. 37877, 99.2 mm SL, Iwo-jima; NSMT-P 106129, 68.2 mm SL, Iwo-jima.

#### FAMILY OPLEGNATHIDAE

##### *Oplegnathus fasciatus* (Temminck and Schlegel, 1844)

[Jpn name: Ishidai]

Chiba (2013n): underwater photograph, Take-shima.

##### *Oplegnathus punctatus* (Temminck and Schlegel, 1844)

[Jpn name: Ishigakidai]

Chiba (2013o): KAUM-I. 37841, 332.6 mm SL, Iwo-jima; underwater photograph, Take-shima. This study: KAUM-I. 96514, 282.7 mm SL, Kuro-shima.

#### FAMILY KYPHOSIDAE

##### *Kyphosus bigibbus* Lacepède, 1801

[Jpn name: Notoisuzumi]

Ito (2013a): KAUM-I. 37757, 171.4 mm SL, Take-shima. This study: KAUM-I. 156387, 185.2 mm SL, Take-shima.

##### *Kyphosus cinerascens* (Forsskål, 1775)

[Jpn name: Tenjikuisaki] (Pl. 6E)

This study: KAUM-I. 96526, 170.2 mm SL, Kuro-shima.

##### *Kyphosus vaigiensis* (Quoy and Gaimard, 1825)

[Jpn name: Isuzumi] (Pl. 6F)

This study: KAUM-I. 96527, 150.0 mm SL, Kuro-shima.

#### FAMILY MICROCANTHIDAE

##### *Microcanthus strigatus* (Cuvier, 1831)

[Jpn name: Kagokakidai]

Haraguchi (2013b): KAUM-I. 37726, 41.9 mm SL, Take-shima; KAUM-I. 37727, 18.7 mm SL, Take-shima; NSMT-P 106109, 16.6 mm SL, Take-shima.

#### FAMILY GIRELLIDAE

##### *Girella punctata* Gray, 1835

[Jpn name: Mejina]

Ito (2013b): KAUM-I. 37812, 30.8 mm SL, Iwo-jima; KAUM-I. 37880, 29.5 mm SL, Iwo-jima; KAUM-I. 37881, 29.7 mm SL, Iwo-jima; KAUM-I. 37912, 264.0 mm SL, Iwo-jima; NSMT-P 106143, 25.4 mm SL, Iwo-jima.

**FAMILY NOMEIDAE*****Cubiceps whiteleggii* (Waite, 1894)**

[Jpn name: Bozukonnyaku]

Fukui et al. (2015): KAUM-I. 55558, 174.2 mm SL, Kuro-shima; KAUM-I. 55724, 156.0 mm KAUM-I. 55766, 152.0 mm SL, Kuro-shima. This study: KAUM-I. 104911, 159.1 mm SL, Kuro-shima; KAUM-I. 104949, 145.0 mm SL, Kuro-shima.

**FAMILY LABRIDAE*****Anampses caeruleopunctatus* Rüppell, 1829**

[Jpn name: Buchisusukibera]

Katayama (2013a): KAUM-I. 37636, 115.9 mm SL, Iwo-jima; KAUM-I. 37733, 46.9 mm SL, Take-shima.

***Anampses meleagrides* Valenciennes, 1840**

[Jpn name: Hokutobera]

Katayama (2013b): underwater photograph, Iwo-jima.

***Anampses twistii* Bleeker, 1856**

[Jpn name: Hoshisusukibera]

Katayama (2013c): underwater photograph, Iwo-jima.

***Bodianus anthioides* (Bennett, 1832)**

[Jpn name: Hiodoshibera]

Katayama (2013d): underwater photograph, Iwo-jima.

***Bodianus axillaris* (Bennett, 1832)**

[Jpn name: Sumitsukibera]

Katayama (2013e): KAUM-I. 29782, 15.2 mm SL, Take-shima; KAUM-I. 31654, 41.3 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Bodianus bilunulatus* (Lacepède, 1801)**

[Jpn name: Kitsunebera]

Katayama (2013f): underwater photographs, Iwo-jima, Showaiwo-jima. This study: KAUM-I. 158015, 286.8 mm SL, Iwo-jima.

***Bodianus bimaculatus* Allen, 1973**

[Jpn name: Futahoshikitsunebera]

Katayama (2013g): KAUM-I. 29779, 25.5 mm SL, Take-shima; underwater photograph, Take-shima.

***Bodianus leucosticticus* (Bennett, 1831)**

[Jpn name: Sujikitsunebera]

Katayama (2013h): KAUM-I. 29781, 16.9 mm SL, Take-shima; KAUM-I. 37907, 90.0 mm SL, Iwo-jima; KAUM-I. 37930, 143.3 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Bodianus masudai* Araga and Yoshino, 1975**

[Jpn name: Shimakitsunebera]

Katayama (2013i): underwater photograph, Iwo-jima.

***Bodianus rubrisos* Gomon, 2006**

[Jpn name: Akahoshikitsunebera]

Katayama (2013j): underwater photograph, Iwo-jima.

***Cheilinus trilobatus* Lacepède, 1801**

[Jpn name: Mitsubamochinouo]

Katayama (2013k): KAUM-I. 37729, 52.6 mm SL, Take-shima.

***Choerodon azurio* (Jordan and Snyder, 1901)**

[Jpn name: Ira]

Katayama (2013l): KAUM-I. 37895, 277.5 mm SL, Showaiwo-jima.

***Cirrhilabrus exquisitus* Smith, 1957**

[Jpn name: Nishikiitohikibera]

Katayama (2013m): underwater photograph, Iwo-jima. This study: KAUM-I. 95921, 29.4 mm SL, Kuro-shima.

***Cirrhilabrus lanceolatus* Randall and Masuda, 1991**

[Jpn name: Yariitohikibera]

Katayama (2013n): underwater photograph, Iwo-jima.

***Cirrhilabrus lunatus* Randall and Masuda, 1991**

[Jpn name: Tsukinowaitohikibera]

Katayama (2013o): underwater photograph, Iwo-jima.

***Cirrhilabrus rubrimarginatus* Randall, 1992**

[Jpn name: Benihireitohikibera]

Katayama (2013p): underwater photograph, Iwo-jima.

***Cirrhilabrus temminckii* Bleeker, 1853**

[Jpn name: Itohikibera]

Katayama (2013q): KAUM-I. 29691, 73.4 mm SL, Take-shima; underwater photograph, Iwo-jima.

***Cirrhilabrus* sp.**

[Jpn name: N/A]

Katayama (2013r): underwater photograph, Iwo-jima.

***Coris aygula* Lacepède, 1801**

[Jpn name: Kammuribera]

Katayama (2013s): KAUM-I. 37762, 290.7 mm SL, Take-shima; underwater photograph, Iwo-jima. This study: KAUM-I. 96551, 346.0 mm SL, Kuro-shima; KAUM-I. 96574, 278.8 mm SL, Kuro-shima.

***Coris dorsomacula* Fowler, 1908**

[Jpn name: Sujibera]

Katayama (2013t): KAUM-I. 29778, 48.6 mm SL, Take-shima; KAUM-I. 31656, 41.5 mm SL, Iwo-jima; KAUM-I. 37683, 145.3 mm SL, Iwo-jima; KAUM-I. 37735, 28.5 mm SL, Take-shima; NSMT-P 106705, 11.3 mm SL, Take-shima; underwater photograph, Iwo-jima. This study: KAUM-I. 96553, 156.3 mm SL, Kuro-shima; KAUM-I. 156536, 139.1 mm SL, Take-shima.

***Coris gaimard* (Quoy and Gaimard, 1824)**

[Jpn name: Tsuyubera]

Katayama (2013u): KAUM-I. 29603, 23.4 mm SL, Iwo-jima; KAUM-I. 32323, 49.0 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Halichoeres chrysus* Randall, 1981**

[Jpn name: Koganekyusen]

Katayama (2013v): KAUM-I. 29543, 11.8 mm SL, Iwo-jima; KAUM-I. 29792, 43.0 mm SL, Take-shima; KAUM-I. 29793, 55.8 mm SL, Take-shima; KAUM-I. 30611, 20.8 mm SL, Iwo-jima; NSMT-P 106902, 14.9 mm SL, Iwo-jima; NSMT-P 106928, 27.4 mm SL, Iwo-jima. This study: KAUM-I. 95923, 34.5 mm SL, Kuro-shima; KAUM-I. 129785, 18.7 mm SL, Take-shima.

***Halichoeres hartzfeldii* (Bleeker, 1852)**

[Jpn name: Kisujikyusen]

Katayama (2013w): KAUM-I. 31397, 19.3 mm SL, Take-shima; underwater photograph, Take-shima.

***Halichoeres hortulanus* (Lacepède, 1801)**

[Jpn name: Tokarabera]

Katayama (2013x): underwater photograph, Iwo-jima.

***Halichoeres melanochir* Fowler and Bean, 1928**

[Jpn name: Munatembera]

Katayama (2013y): KAUM-I. 31674, 17.3 mm SL, Iwo-jima; KAUM-I. 32309, 36.1 mm SL, Iwo-jima; KAUM-I. 32358, 39.9 mm SL, Iwo-jima. This study: KAUM-I. 95924, 48.0 mm SL, Kuro-shima.

***Halichoeres nebulosus* (Valenciennes, 1839)**

[Jpn name: Inazumabera] (Pl. 6G)

This study: KAUM-I. 95922, 31.5 mm SL, Kuro-shima.

***Halichoeres orientalis* Randall, 1999**

[Jpn name: Tsukibera]

Katayama (2013z): KAUM-I. 30610, 23.9 mm SL, Iwo-jima; KAUM-I. 37637, 92.8 mm SL, Iwo-jima; KAUM-I. 37672, 57.4 mm SL, Iwo-jima; KAUM-I. 37984, 117.1 mm SL, Take-shima; underwater photograph, Iwo-jima.

***Hologymnosus doliatus* (Lacepède, 1801)**

[Jpn name: Shirotasukibera]

Katayama (2013a'): KAUM-I. 31671, 72.9 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Iniistius pavo* (Valenciennes, 1840)**

[Jpn name: Hoshitensu]

Katayama (2013b'): underwater photograph, Showaiwo-jima.

***Labroides bicolor* Fowler and Bean, 1928**

[Jpn name: Somewakebera]

Katayama (2013c'): underwater photograph, Showaiwo-jima.

***Labroides dimidiatus* (Valenciennes, 1839)**

[Jpn name: Honsomewakebera]

Katayama (2013d'): KAUM-I. 29617, 17.8 mm SL, Iwo-jima; KAUM-I. 29489, 14.4 mm SL, Iwo-jima; KAUM-I. 29662, 40.0 mm SL, Take-shima; NSMT-P 106704, 12.7 mm SL, Take-shima; NSMT-P 106930, 11.3 mm SL, Iwo-jima. This study: KAUM-I. 129804, 13.3 mm SL, Take-shima.

***Macropharyngodon meleagris* (Valenciennes, 1839)**

[Jpn name: Nodogurobera]

Katayama (2013e): KAUM-I. 37677, 68.9 mm SL, Iwo-jima.

***Oxycheilinus bimaculatus* (Valenciennes, 1840)**

[Jpn name: Takobera]

Katayama (2013f): KAUM-I. 31660, 47.1 mm SL, Iwo-jima.

***Pseudocheilinus evanidus* Jordan and Evermann, 1903**

[Jpn name: Himenisemochinouo]

Katayama (2013g): KAUM-I. 29676, 36.0 mm SL, Take-shima; KAUM-I. 30553, 16.7 mm SL, Iwo-jima.

***Pseudocheilinus hexataenia* (Bleeker, 1857)**

[Jpn name: Nisemochinouo]

Katayama (2013h): KAUM-I. 30541, 38.6 mm SL, Iwo-jima; KAUM-I. 30612, 8.3 mm SL, Iwo-jima; KAUM-I. 31391, 23.6 mm SL, Take-shima. This study: KAUM-I. 129813, 37.7 mm SL, Take-shima.

***Pseudocoris yamashiroi* (Schmidt, 1931)**

[Jpn name: Yamashirobera]

Katayama (2013i): KAUM-I. 30608, 23.9 mm SL, Iwo-jima; KAUM-I. 30609, 14.6 mm SL, Iwo-jima.

***Pseudodax moluccanus* (Valenciennes, 1840)**

[Jpn name: Budaibera]

Katayama (2013j): underwater photograph, Iwo-jima.

***Pseudojuloides mesostigma* Randall and Randall, 1981**

[Jpn name: Sumitsukiogurobera]

Katayama (2013k): underwater photograph, Iwo-jima.

***Pseudojuloides severnsi* Bellwood and Randall, 2000**

[Jpn name: Aosujiogurobera]

Katayama (2013l): underwater photograph, Iwo-jima.

***Pseudolabrus eoethinus* (Richardson, 1846)**

[Jpn name: Akasasanohabera]

Katayama (2013m): KAUM-I. 29411, 143.1 mm SL, Iwo-jima; KAUM-I. 29559, 68.0 mm SL, Iwo-jima; KAUM-I. 29734, 114.1 mm SL, Iwo-jima; KAUM-I. 33938, 71.5 mm SL, Iwo-jima; KAUM-I. 34007, 131.3 mm SL, Iwo-jima; KAUM-I. 37684, 129.2 mm SL, Iwo-jima; KAUM-I. 37936, 117.7 mm SL, Iwo-jima; KAUM-I. 37937, 125.3 mm SL, Iwo-jima; NSMT-P 106174, 128.7 mm SL, Iwo-jima; NSMT-P 106901, 52.8 mm SL, Iwo-jima; underwater photograph, Iwo-jima. This study: KAUM-I. 156389, 143.6 mm SL, Take-shima.

***Stethojulis strigiventer* (Bennett, 1833)**

[Jpn name: Harasujibera] (Pl. 6H)

This study: KAUM-I. 156507, 15.3 mm SL, Take-shima.

***Stethojulis trilineata* (Bloch and Schneider, 1801)**

[Jpn name: Onibera]

Katayama (2013n): underwater photograph, Take-shima.

***Thalassoma amblycephalum* (Bleeker, 1856)**

[Jpn name: Kogashirabera]

Katayama (2013o'): underwater photograph, Iwo-jima.

***Thalassoma cupido* (Temminck and Schlegel, 1845)**

[Jpn name: Nishikibera]

Katayama (2013p'): KAUM-I. 37725, 32.6 mm SL, Take-shima; KAUM-I. 37825, 19.8 mm SL, Iwo-jima; KAUM-I. 37878, 99.3 mm SL, Iwo-jima; KAUM-I. 37879, 40.6 mm SL, Iwo-jima; KAUM-I. 37966, 40.0 mm SL, Showaiwo-jima; KAUM-I. 37967, 39.5 mm SL, Showaiwo-jima; KAUM-I. 37969, 19.8 mm SL, Showaiwo-jima; NSMT-P 106133, 18.2 mm SL, Iwo-jima; NSMT-P 106145, 107.2 mm SL, Iwo-jima. This study: KAUM-I. 129836, 121.7 mm SL, Take-shima; KAUM-I. 156575, 115.5 mm SL, Take-shima.

***Thalassoma lunare* (Linnaeus, 1758)**

[Jpn name: Otomebera] (Pl. 6I, J)

This study: KAUM-I. 156378, 43.2 mm SL, Take-shima; KAUM-I. 156565, 112.6 mm SL, Take-shima.

***Thalassoma lutescens* (Lay and Bennett, 1839)**

[Jpn name: Yamabukibera] (Pl. 7A)

This study: KAUM-I. 129835, 207.9 mm SL, Take-shima; KAUM-I. 156533, 129.5 mm SL, Take-shima; KAUM-I. 156539, 113.3 mm SL, Take-shima; KAUM-I. 156547, 132.6 mm SL, Take-shima; KAUM-I. 156548, 119.3 mm SL, Take-shima; KAUM-I. 156549, 119.4 mm SL, Take-shima.

**FAMILY SCARIDAE*****Calotomus japonicus* (Valenciennes, 1840)**

[Jpn name: Budai] (Pl. 7B)

This study: KAUM-I. 96513, 236.1 mm SL, Kuro-shima.

***Calotomus spinidens* (Quoy and Gaimard, 1825)**

[Jpn name: Chibibudai]

Ogihara (2013c'): KAUM-I. 37660, 28.7 mm SL, Take-shima.

***Cetoscarus ocellatus* (Valenciennes, 1840)**

[Jpn name: Irobudai]

Ogihara (2013d'): KAUM-I. 31672, 25.0 mm SL, Iwo-jima.

***Chlorurus microrhinos* (Bleeker, 1854)**

[Jpn name: Nan-yobudai]

Ogihara (2013e'): underwater photograph, Iwo-jima.

***Scarus chameleon* Choat and Randall, 1986**

[Jpn name: Kamereombudai]

Ogihara (2013f'): underwater photograph, Iwo-jima.

***Scarus festivus* Valenciennes, 1840**

[Jpn name: Tsukinowabudai]

Ogihara (2013g'): KAUM-I. 34009, 280.2 mm SL, Iwo-jima; KAUM-I. 34010, 255.4 mm SL, Iwo-jima.

Remarks: The Iwo-jima specimens represent the northernmost records for the species.

***Scarus forsteni* (Bleeker, 1861)**

[Jpn name: Ichimonjibudai]

Ogihara (2013h): KAUM-I. 37623, 250.0 mm SL, Iwo-jima; KAUM-I. 37649, 287.4 mm SL, Iwo-jima; KAUM-I. 37765, 333.5 mm SL, Take-shima; underwater photographs, Iwo-jima, Take-shima.

***Scarus fuscocaudalis* Randall and Myers, 2000**

[Jpn name: Ogurobudai]

Ogihara (2013i): underwater photograph, Take-shima.

***Scarus globiceps* Valenciennes, 1840**

[Jpn name: Daidaibudai]

Ogihara (2013j): KAUM-I. 37801, 185.6 mm SL, Iwo-jima.

***Scarus niger* Forsskål, 1775**

[Jpn name: Buchibudai]

Ogihara (2013k): KAUM-I. 30583, 14.9 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Scarus ovifrons* Temminck and Schlegel, 1846**

[Jpn name: Aobudai]

Ogihara (2013l): KAUM-I. 37674, 453.3 mm SL, Iwo-jima.

***Scarus rivulatus* Valenciennes, 1840**

[Jpn name: Sujibudai]

Ogihara (2013m): KAUM-I. 37760, 275.2 mm SL, Take-shima.

***Scarus rubroviolaceus* Bleeker, 1847**

[Jpn name: Nagabudai]

Ogihara (2013n): KAUM-I. 30582, 12.7 mm SL, Iwo-jima; KAUM-I. 37675, 415.5 mm SL, Iwo-jima; KAUM-I. 37916, 360.9 mm SL, Take-shima.

***Scarus schlegeli* (Bleeker, 1861)**

[Jpn name: Obibudai]

Ogihara (2013o): KAUM-I. 37914, 250.5 mm SL, Take-shima; underwater photograph, Iwo-jima.

**FAMILY PINGUIPEDIDAE*****Parapercis clathrata* Ogilby, 1910**

[Jpn name: Yotsumetoragisu]

Meguro (2013u): KAUM-I. 29794, 98.6 mm SL, Take-shima; KAUM-I. 37734, 58.9 mm SL, Take-shima.

***Parapercis kamoharai* Schultz, 1966**

[Jpn name: Kamoharatoragisu]

Meguro (2013v): underwater photograph, Iwo-jima.

***Parapercis multiplicata* Randall, 1984**

[Jpn name: Sangotoragisu]

Meguro (2013w): underwater photograph, Iwo-jima.

***Parapercis schauinslandii* (Steindachner, 1900)**

[Jpn name: Hawaitoragisu]

Meguro (2013x): underwater photograph, Iwo-jima.

***Parapercis snyderi* Jordan and Starks, 1905**

[Jpn name: Koraitoragisu]

Meguro (2013y): underwater photograph, Iwo-jima.

***Parapercis tetracantha* (Lacepède, 1801)**

[Jpn name: Madaratoragisu]

Meguro (2013z): KAUM-I. 29727, 142.0 mm SL, Iwo-jima; KAUM-I. 31705, 27.5 mm SL, Iwo-jima; KAUM-I. 32330, 69.0 mm SL, Iwo-jima; KAUM-I. 34008, 177.7 mm SL, Iwo-jima; NSMT-P 106171, 104.4 mm SL, Iwo-jima.

**FAMILY CREEDIIDAE*****Linnichthys fasciatus* Waite, 1904**

[Jpn name: Tobigimpo]

Katayama (2013q): KAUM-I. 37745, 30.4 mm SL, Take-shima.

***Linnichthys nitidus* Smith, 1958**

[Jpn name: Minamitobigimpo] (Pl. 7C)

This study: KAUM-I. 156509, 24.8 mm SL, Take-shima.

**FAMILY TRIPTERYGIIDAE*****Enneapterygius theostoma* (Jordan and Snyder, 1902)**

[Jpn name: Hebigimpo]

Meguro (2013c'): KAUM-I. 37975, 39.6 mm SL, Showaiwo-jima; KAUM-I. 37976, 40.2 mm SL, Showaiwo-jima; KAUM-I. 37977, 21.8 mm SL, Showaiwo-jima; KAUM-I. 37978, 21.0 mm SL, Showaiwo-jima; KAUM-I. 37979, 18.3 mm SL, Showaiwo-jima; KAUM-I. 37980, 16.0 mm SL, Showaiwo-jima; KAUM-I. 37981, 16.8 mm SL, Showaiwo-jima; NSMT-P 106181, 7 specimens, 17.1–28.0 mm SL, Showaiwo-jima; NSMT-P 106916, 2 specimens, 12.6–25.7 mm SL, Showaiwo-jima; NSMT-P 106934, 37.3 mm SL, Showaiwo-jima. This study: KAUM-I. 156521, 40.2 mm SL, Take-shima.

***Enneapterygius hemimelas* (Kner and Steindachner, 1867)**

[Jpn name: Akegoromohebigimpo]

Meguro (2013a'): KAUM-I. 37737, 24.0 mm SL, Take-shima.

Remarks: The Take-shima specimen represents the northernmost record for the species.

***Enneapterygius philippinus* (Peters, 1868)**

[Jpn name: Kusagimpo] (Pl. 7D)

This study: KAUM-I. 156384, 20.2 mm SL, Take-shima.

***Enneapterygius tutuilae* Jordan and Seale, 1906**

[Jpn name: Segurohebigimpo]

Meguro (2013b'): KAUM-I. 29571, 19.0 mm SL, Take-shima; KAUM-I. 30041, 16.9 mm SL, Take-shima; KAUM-I. 30622, 12.0 mm SL, Iwo-jima; KAUM-I. 30627, 22.0 mm SL, Iwo-jima; KAUM-I. 30629, 20.0 mm SL, Iwo-jima; KAUM-I. 31400, 15.0 mm SL, Take-shima; KAUM-I. 31401, 13.9 mm SL, Take-shima; KAUM-I. 32317, 15.3 mm SL, Iwo-jima; underwater photograph, Iwo-jima. This study: KAUM-I. 156383, 19.6 mm SL, Take-shima; KAUM-I. 156506, 17.8 mm SL, Take-shima.

***Enneapterygius* sp.**

[Jpn name: N/A]

Meguro (2013d'): KAUM-I. 29527, 15.0 mm SL, Iwo-jima; KAUM-I. 29528, 13.7 mm SL, Iwo-jima; KAUM-I. 29664, 27.6 mm SL, Take-shima; KAUM-I. 29665, 27.5 mm SL, Take-shima; KAUM-I. 30623, 12.0 mm SL, Iwo-jima; KAUM-I. 30628, 20.0 mm SL, Iwo-jima; KAUM-I. 31406, 21.4 mm SL, Take-shima; KAUM-I. 31407, 20.0 mm SL, Take-shima; KAUM-I. 31408, 20.0 mm SL, Take-shima; KAUM-I. 31409, 18.7 mm SL, Take-shima; KAUM-I. 31410, 17.8 mm SL, Take-shima; KAUM-I. 31685, 17.7 mm SL, Iwo-jima; KAUM-I. 31686, 18.7 mm SL, Iwo-jima; KAUM-I. 37617, 31.8 mm SL, Iwo-jima; KAUM-I. 37618, 31.5 mm SL, Iwo-jima; underwater photograph, Iwo-jima. This study: KAUM-I. 156367, 28.4 mm SL, Take-shima; KAUM-I. 156508, 28.0 mm SL, Take-shima; KAUM-I. 156515, 21.9 mm SL, Take-shima. Remarks: This species is the same with Tashiro's (2019) *Enneapterygius* sp. 2. It has currently been studied taxonomically by Y. Dewa (KAUM).

***Helcogramma inclinata* (Fowler, 1946)**

[Jpn name: Ayahebigimpo]

Tashiro (2013d): KAUM-I. 29592, 17.7 mm SL, Iwo-jima; KAUM-I. 29668, 44.7 mm SL, Take-shima; KAUM-I. 29669, 41.6 mm SL, Take-shima; KAUM-I. 29683, 13.9 mm SL, Take-shima; KAUM-I. 29684, 15.0 mm SL, Take-shima; KAUM-I. 30625, 47.2 mm SL, Iwo-jima; KAUM-I. 30626, 31.8 mm SL, Iwo-jima; KAUM-I. 30629, 20.0 mm SL, Iwo-jima; KAUM-I. 37834, 47.9 mm SL, Iwo-jima; KAUM-I. 37989, 46.1 mm SL, Take-shima; underwater photographs, Iwo-jima, Take-shima. Tashiro and Motomura (2014): KAUM-I. 29529, 13.5 mm SL, Iwo-jima; KAUM-I. 29592, 17.9 mm SL, Iwo-jima; KAUM-I. 29668, 43.9 mm SL, Take-shima; KAUM-I. 29669, 42.5 mm SL, Take-shima; KAUM-I. 29683, 13.8 mm SL, Take-shima; KAUM-I. 29684, 15.2 mm SL, Take-shima; KAUM-I. 30625, 49.2 mm SL, Iwo-jima; KAUM-I. 30626, 31.3 mm SL, Iwo-jima; KAUM-I. 37834, 44.2 mm SL, Iwo-jima; KAUM-I. 37989, 45.6 mm SL, Take-shima. This study: KAUM-I. 95926, 28.9 mm SL, Kuro-shima; KAUM-I. 95927, 28.8 mm SL, Kuro-shima; KAUM-I. 95928, 29.5 mm SL, Kuro-shima; KAUM-I. 95929, 29.4 mm SL, Kuro-shima; KAUM-I. 95930, 29.9 mm SL, Kuro-shima; KAUM-I. 95931, 16.9 mm SL, Kuro-shima; KAUM-I. 156328, 44.1 mm SL, Take-shima; KAUM-I. 156348, 40.3 mm SL, Take-shima; KAUM-I. 156356, 44.3 mm SL, Take-shima; KAUM-I. 156357, 43.8 mm SL, Take-shima; KAUM-I. 156359, 40.7 mm SL, Take-shima.

***Helcogramma rhinoceros* Hansen, 1986**

[Jpn name: Tenguhebigimpo]

Tashiro (2013f): KAUM-I. 32332, 26.0 mm SL, Take-shima; underwater photograph, Take-shima. Tashiro and Motomura (2014): KAUM-I. 32332, 26.9 mm SL, Take-shima.

Remarks: The Take-shima specimen represents the northernmost record for the species.

***Helcogramma striata* Hansen, 1986**

[Jpn name: Tatejimahebigimpo]

Tashiro (2013e): KAUM-I. 29515, 33.6 mm SL, Iwo-jima; KAUM-I. 29516, 21.1 mm SL, Iwo-jima; KAUM-I. 29720, 19.0 mm SL, Take-shima; KAUM-I. 29721, 12.0 mm SL, Take-shima; KAUM-I. 30049, 13.9 mm SL, Iwo-jima; KAUM-I. 30110, 37.1 mm SL, Take-shima; KAUM-I. 30111, 31.6 mm SL, Take-shima; KAUM-I. 30112, 21.0 mm SL, Take-shima; KAUM-I. 30113, 15.3 mm SL, Take-shima; KAUM-I. 31713, 28.0 mm SL, Iwo-jima; KAUM-I. 31714, 25.8 mm SL, Iwo-jima; KAUM-I. 37748, 38.8 mm SL, Take-shima; KAUM-I. 37749, 37.0 mm SL, Take-shima; KAUM-I. 37750, 35.6 mm SL, Take-shima; KAUM-I. 37751, 2 specimens, 30.2-37.2 mm SL, Take-shima; NSMT-P 106095, 37.6 mm SL, Iwo-jima; NSMT-P 106115, 37.2 mm SL, Take-shima; NSMT-P 106182, 16 specimens, 17.9-24.7 mm SL, Take-shima; NSMT-P 106915, 2 specimens, 14.6-19.1 mm SL, Iwo-jima; NSMT-P 106929, 27.0 mm SL,

Iwo-jima; underwater photograph, Iwo-jima. Tashiro and Motomura (2014): KAUM-I. 29515, 33.5 mm SL, Iwo-jima; KAUM-I. 29516, 20.8 mm SL, Iwo-jima; KAUM-I. 29720, 18.9 mm SL, Take-shima; KAUM-I. 29721, 11.4 mm SL, Take-shima; KAUM-I. 30049, 13.6 mm SL, Iwo-jima; KAUM-I. 30110, 37.1 mm SL, Take-shima; KAUM-I. 30111, 31.2 mm SL, Take-shima; KAUM-I. 30112, 20.3 mm SL, Take-shima; KAUM-I. 30113, 14.8 mm SL, Take-shima; KAUM-I. 31713, 27.6 mm SL, Iwo-jima; KAUM-I. 31714, 25.7 mm SL, Iwo-jima; KAUM-I. 37748, 38.5 mm SL, Take-shima; KAUM-I. 37749, 36.7 mm SL, Take-shima; KAUM-I. 37750, 35.8 mm SL, Take-shima; KAUM-I. 37751, 4, 28.8 -38.5 mm SL, Take-shima. This study: KAUM-I. 95889, 27.5 mm SL, Kuro-shima; KAUM-I. 95912, 26.0 mm SL, Kuro-shima; KAUM-I. 95920, 26.8 mm SL, Kuro-shima; KAUM-I. 95925, 26.6 mm SL, Kuro-shima; KAUM-I. 95938, 23.4 mm SL, Kuro-shima; KAUM-I. 95939, 24.1 mm SL, Kuro-shima; KAUM-I. 95946, 16.5 mm SL, Kuro-shima; KAUM-I. 129802, 29.6 mm SL, Take-shima; KAUM-I. 156343, 36.8 mm SL, Take-shima; KAUM-I. 156344, 36.3 mm SL, Take-shima; KAUM-I. 156345, 40.0 mm SL, Take-shima; KAUM-I. 156346, 34.0 mm SL, Take-shima; KAUM-I. 156347, 29.6 mm SL, Take-shima; KAUM-I. 156358, 39.4 mm SL, Take-shima.

***Norfolkia brachylepis* (Schultz, 1960)**

[Jpn name: Kokutennisehebigimpo]

Meguro (2013e'): KAUM-I. 29590, 34.0 mm SL, Iwo-jima; KAUM-I. 29591, 38.3 mm SL, Iwo-jima; KAUM-I. 29442, 35.8 mm SL, Iwo-jima; KAUM-I. 29513, 34.9 mm SL, Iwo-jima; KAUM-I. 29589, 43.1 mm SL, Iwo-jima; KAUM-I. 37752, 29.3 mm SL, Take-shima; KAUM-I. 37753, 24.1 mm SL, Take-shima; NSMT-P 106117, 35.0 mm SL, Take-shima; underwater photograph, Iwo-jima. This study: KAUM-I. 95950, 32.5 mm SL, Kuro-shima; KAUM-I. 156385, 29.0 mm SL, Take-shima.

***Norfolkia thomasi* Whitley, 1964**

[Jpn name: Nisehebigimpo]

Meguro (2013f'): KAUM-I. 29514, 19.4 mm SL, Iwo-jima; KAUM-I. 31686, 23.3 mm SL, Iwo-jima. Remarks: The Iwo-jima specimens represent the northernmost records for the species.

***Ucla xenogrammus* Holleman, 1993**

[Jpn name: Kasurihebigimpo] (Pl. 7E)

This study: KAUM-I. 156366, 43.7 mm SL, Take-shima.

Remarks: The Take-shima specimens represent the northernmost records for the species.

**FAMILY CHAENOPSIDAE**

***Neoclinus nudus* Stephens and Springer, 1971**

[Jpn name: Hadakakokegimpo]

Meguro (2013w'): KAUM-I. 29542, 38.0 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

**FAMILY BLENNIIDAE**

***Ecsenius lineatus* Klauswitz, 1962**

[Jpn name: Hitosujigimpo]

Meguro (2013g'): KAUM-I. 29588, 48.7 mm SL, Iwo-jima; KAUM-I. 31635, 31.5 mm SL, Iwo-jima; KAUM-I. 31676, 18.4 mm SL, Iwo-jima; KAUM-I. 37678, 55.3 mm SL, Iwo-jima.

***Ecsenius namiyei* (Jordan and Evermann, 1902)**

[Jpn name: Niramigimpo]

Meguro (2013h'): KAUM-I. 30596, 58.9 mm SL, Iwo-jima; KAUM-I. 31636, 23.0 mm SL, Iwo-jima; KAUM-I. 31638, 18.2 mm SL, Iwo-jima; KAUM-I. 31639, 18.7 mm SL, Iwo-jima; KAUM-I. 31667, 23.3

mm SL, Iwo-jima; KAUM-I. 31675, 21.8 mm SL, Iwo-jima; KAUM-I. 32337, 48.2 mm SL, Iwo-jima; KAUM-I. 33939, 83.3 mm SL, Iwo-jima; KAUM-I. 37670, 64.3 mm SL, Iwo-jima; KAUM-I. 37671, 71.6 mm SL, Iwo-jima; underwater photograph, Iwo-jima. This study: KAUM-I. 95908, 56.2 mm SL, Kuro-shima; KAUM-I. 156354, 72.4 mm SL, Take-shima.

***Ecsenius yaeyamaensis* (Aoyagi, 1954)**

[Jpn name: Ishigakikaeruuo]

Meguro (2013i'): KAUM-I. 29777, 35.8 mm SL, Take-shima; KAUM-I. 31393, 35.0 mm SL, Take-shima; KAUM-I. 32331, 43.2 mm SL, Take-shima; KAUM-I. 37658, 47.0 mm SL, Iwo-jima; NSMT-P 106094, 32.0 mm SL, Iwo-jima; NSMT-P 106907, 20.0 mm SL, Take-shima; underwater photograph, Iwo-jima. This study: KAUM-I. 95911, 31.3 mm SL, Kuro-shima; KAUM-I. 95915, 26.3 mm SL, Kuro-shima; KAUM-I. 95952, 34.5 mm SL, Kuro-shima; KAUM-I. 156364, 41.5 mm SL, Take-shima; KAUM-I. 156365, 36.0 mm SL, Take-shima.

***Entomacrodus caudofasciatus* (Regan, 1909)**

[Jpn name: Aomongimpo]

Meguro (2013j'): KAUM-I. 37619, 42.1 mm SL, Iwo-jima.

***Entomacrodus niuafoouensis* (Fowler, 1932)**

[Jpn name: Keshogimpo]

Meguro (2013k'): KAUM-I. 37893, 50.5 mm SL, Iwo-jima.

***Entomacrodus striatus* (Valenciennes, 1836)**

[Jpn name: Sujigimpo]

Meguro (2013l'): KAUM-I. 37987, 65.6 mm SL, Showaiwo-jima.

***Exallias brevis* (Kner, 1868)**

[Jpn name: Sedakagimpo]

Meguro (2013m'): underwater photograph, Iwo-jima.

***Istiblennius edentulus* (Forster and Schneider, 1801)**

[Jpn name: Nisekaeruuo]

Meguro (2013n'): KAUM-I. 37965, 86.6 mm SL, Showaiwo-jima; KAUM-I. 37968, 116.5 mm SL, Showaiwo-jima; KAUM-I. 37970, 95.7 mm SL, Showaiwo-jima; KAUM-I. 37971, 86.0 mm SL, Showaiwo-jima; NSMT-P 106176, 90.9 mm SL, Showaiwo-jima; NSMT-P 106177, 72.0 mm SL, Showaiwo-jima.

***Meiacanthus kamoharai* Tomiyama, 1956**

[Jpn name: Kamoharagimpo]

Meguro (2013o'): KAUM-I. 32336, 60.3 mm SL, Iwo-jima.

***Mimoblennius atrocinctus* (Regan, 1909)**

[Jpn name: Matsubagimpo]

Meguro (2013p'): KAUM-I. 29602, 39.9 mm SL, Iwo-jima; KAUM-I. 31637, 33.9 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Nannosalarias nativitatis* (Regan, 1909)**

[Jpn name: Hinagimpo]

Meguro (2013q', as *Nannosalarias nativitatus*): KAUM-I. 29520, 24.5 mm SL, Iwo-jima; KAUM-I. 29599, 34.9 mm SL, Iwo-jima; KAUM-I. 29600, 31.6 mm SL, Iwo-jima; KAUM-I. 29658, 29.4 mm SL, Take-shi-

ma; KAUM-I. 29679, 32.3 mm SL, Take-shima; KAUM-I. 30046, 30.3 mm SL, Iwo-jima; KAUM-I. 31394, 31.2 mm SL, Take-shima.

Remarks: The Take-shima specimens represent the northernmost records for the species.

***Plagiotremus laudandus* (Whitley, 1961)**

[Jpn name: Inasegimpo]

Meguro (2013r): KAUM-I. 37778, 51.6 mm SL, Take-shima.

***Plagiotremus rhinorhynchus* (Bleeker, 1852)**

[Jpn name: Minamigimpo]

Meguro (2013s): underwater photograph, Iwo-jima.

***Praealticus tanegashimae* (Jordan and Starks, 1906)**

[Jpn name: Tanegimpo]

Meguro (2013t): KAUM-I. 37806, 64.3 mm SL, Iwo-jima; KAUM-I. 37807, 59.7 mm SL, Iwo-jima; KAUM-I. 37815, 61.6 mm SL, Iwo-jima; KAUM-I. 37816, 44.0 mm SL, Iwo-jima; KAUM-I. 37817, 43.5 mm SL, Iwo-jima; KAUM-I. 37898, 81.2 mm SL, Iwo-jima; KAUM-I. 37899, 67.8 mm SL, Iwo-jima; KAUM-I. 37900, 43.3 mm SL, Iwo-jima; KAUM-I. 37901, 73.2 mm SL, Iwo-jima; KAUM-I. 37902, 63.5 mm SL, Iwo-jima; KAUM-I. 37903, 40.3 mm SL, Iwo-jima; KAUM-I. 37904, 39.3 mm SL, Iwo-jima; NSMT-P 106130, 68.8 mm SL, Iwo-jima; NSMT-P 106131, 66.9 mm SL, Iwo-jima.

***Rhabdoblennius nitidus* (Günther, 1861)**

[Jpn name: Rosokugimpo]

Meguro (2013u): KAUM-I. 37986, 61.0 mm SL, Showaiwo-jima.

***Salarias luctuosus* Whitley, 1929**

[Jpn name: Shimagimpo]

Meguro (2013v): underwater photograph, Take-shima.

**FAMILY GOBIESOCIDAE**

***Conidens laticephalus* (Tanaka, 1909)**

[Jpn name: Ankoubauo]

Nishiyama (2013d): KAUM-I. 29688, 11.6 mm SL, Take-shima; KAUM-I. 31653, 17.9 mm SL, Iwo-jima.

***Diademichthys lineatus* (Sauvage, 1883)**

[Jpn name: Hashinagaubauo]

Nishiyama (2013e): KAUM-I. 30614, 46.0 mm SL, Iwo-jima.

***Pherallodichthys meshimaensis* Shiogaki and Dotsu, 1983**

[Jpn name: Meshimaubauo]

Nishiyama (2013f): KAUM-I. 29576, 15.0 mm SL, Take-shima; KAUM-I. 29577, 14.6 mm SL, Take-shima; KAUM-I. 29578, 17.2 mm SL, Take-shima; underwater photograph, Take-shima.

**FAMILY CALLIONYMIDAE**

***Neosynchiropus moyeri* (Zaiser and Fricke, 1985)**

[Jpn name: Miyaketeguri]

Iwatsubo (2013u): KAUM-I. 29788, 32.5 mm SL, Take-shima; KAUM-I. 29789, 53.7 mm SL, Take-shima; KAUM-I. 30570, 25.5 mm SL, Iwo-jima; KAUM-I. 31415, 30.0 mm SL, Iwo-jima; KAUM-I. 32335, 35.5 mm SL, Iwo-jima.

**FAMILY GOBIIDAE*****Amblyeleotris guttata* (Fowler, 1938)**

[Jpn name: Yamabukihaze] (Pl. 7F)

This study: underwater photograph, Iwo-jima.

***Amblyeleotris melanocephala* Aonuma, Iwata and Yoshino, 2000**

[Jpn name: Zuguodatehaze]

Suzuki (2013a): KAUM-I. 37626, 89.8 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Amblyeleotris morishitai* Senou and Aonuma, 2007**

[Jpn name: Morishitadatehaze]

Ogihara (2013p'): KAUM-I. 37600, 92.0 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Amblyeleotris yanoi* Aonuma and Yoshino, 1996**

[Jpn name: Yanodatehaze] (Pl. 7G)

This study: underwater photograph, Iwo-jima.

***Asterropteryx semipunctata* Rüppell, 1830**

[Jpn name: Hoshihaze] (Pl. 7H)

This study: KAUM-I. 156349, 35.5 mm SL, Take-shima.

***Bathygobius cocosensis* (Bleeker, 1854)**

[Jpn name: Sujikumohaze]

Suzuki (2013b): KAUM-I. 37883, 32.8 mm SL, Iwo-jima; KAUM-I. 37884, 45.1 mm SL, Iwo-jima; KAUM-I. 37885, 44.4 mm SL, Iwo-jima; KAUM-I. 37888, 38.4 mm SL, Iwo-jima; KAUM-I. 37889, 38.9 mm SL, Iwo-jima; KAUM-I. 37890, 32.8 mm SL, Iwo-jima; KAUM-I. 37891, 26.2 mm SL, Iwo-jima; KAUM-I. 37892, 30.3 mm SL, Iwo-jima.

***Bathygobius hongkongensis* Lam, 1986**

[Jpn name: Kurohoshiyahazuhaze]

Suzuki (2013c): KAUM-I. 37887, 42.5 mm SL, Iwo-jima.

***Bathygobius laddi* (Fowler, 1931)**

[Jpn name: Yamikumohaze]

Suzuki (2013d): KAUM-I. 37739, 33.3 mm SL, Take-shima.

***Eviota abax* (Jordan and Snyder, 1901)**

[Jpn name: Isohaze] (Pl. 7I)

This study: KAUM-I. 156396, 19.8 mm SL, Take-shima; KAUM-I. 156397, 18.8 mm SL, Take-shima; KAUM-I. 156398, 18.9 mm SL, Take-shima; KAUM-I. 156399, 18.2 mm SL, Take-shima; KAUM-I. 156500, 21.5 mm SL, Take-shima; KAUM-I. 156501, 20.4 mm SL, Take-shima; KAUM-I. 156502, 18.2 mm SL, Take-shima; KAUM-I. 156503, 18.7 mm SL, Take-shima; KAUM-I. 156511, 18.4 mm SL, Take-shima; KAUM-I. 156512, 16.1 mm SL, Take-shima.

***Eviota masudai* Matsuura and Senou, 2006**

[Jpn name: Akaisohaze]

Suzuki (2013f): KAUM-I. 29425, 25.5 mm SL, Iwo-jima; KAUM-I. 29441, 26.2 mm SL, Iwo-jima; KAUM-I. 29484, 20.6 mm SL, Iwo-jima; KAUM-I. 29485, 19.3 mm SL, Iwo-jima; KAUM-I. 29551, 48.2

mm SL, Iwo-jima; KAUM-I. 29652, 20.0 mm SL, Iwo-jima; KAUM-I. 29723, 23.6 mm SL, Iwo-jima; KAUM-I. 30584, 18.4 mm SL, Iwo-jima; KAUM-I. 30586, 10.6 mm SL, Iwo-jima; KAUM-I. 31395, 23.7 mm SL, Iwo-jima; KAUM-I. 37931, 24.7 mm SL, Iwo-jima; NSMT-P 106134, 19.1 mm SL, Iwo-jima; underwater photograph, Iwo-jima. This study: KAUM-I. 124826, 16.1 mm SL, Take-shima; KAUM-I. 129805, 21.3 mm SL, Take-shima.

***Eviota prasina* (Klunzinger, 1871)**

[Jpn name: Nan-yomidorihaze]

Suzuki (2013g): KAUM-I. 29657, 22.5 mm SL, Take-shima; KAUM-I. 29659, 20.5 mm SL, Take-shima. This study: KAUM-I. 95914, 20.7 mm SL, Kuro-shima; KAUM-I. 156391, 19.4 mm SL, Take-shima; KAUM-I. 156510, 19.8 mm SL, Take-shima.

***Eviota prasites* Jordan and Seale, 1906**

[Jpn name: Aoisohaze] (Pl. 7J)

This study: KAUM-I. 156514, 23.0 mm SL, Take-shima.

***Eviota sebreei* Jordan and Seale, 1906**

[Jpn name: Kurosujisohaze] (Pl. 7K)

This study: underwater photograph, Iwo-jima.

***Eviota teresae* Greenfield and Randall, 2016**

[Jpn name: Shiroisohaze]

Suzuki (2013e): KAUM-I. 31396, 20.6 mm SL, Take-shima; underwater photograph, Iwo-jima. This study: KAUM-I. 156513, 21.2 mm SL, Take-shima.

***Eviota toshiyuki* Greenfield and Randall, 2010**

[Jpn name: Midorihaze]

Suzuki (2013h): KAUM-I. 29573, 17.0 mm SL, Take-shima; KAUM-I. 29653, 19.1 mm SL, Take-shima; KAUM-I. 29656, 17.9 mm SL, Take-shima; KAUM-I. 30585, 11.3 mm SL, Iwo-jima; KAUM-I. 30619, 8.9 mm SL, Iwo-jima; KAUM-I. 32346, 13.7 mm SL, Iwo-jima; KAUM-I. 37614, 18.5 mm SL, Iwo-jima. This study: KAUM-I. 129784, 12.2 mm SL, Take-shima; KAUM-I. 156392, 19.0 mm SL, Take-shima; KAUM-I. 156393, 18.9 mm SL, Take-shima; KAUM-I. 156394, 18.6 mm SL, Take-shima; KAUM-I. 156395, 16.5 mm SL, Take-shima.

***Fusigobius duospilus* Hoese and Reader, 1985**

[Jpn name: Sehoshisankakuhaze]

Suzuki (2013i): KAUM-I. 29611, 39.1 mm SL, Iwo-jima; KAUM-I. 30615, 41.8 mm SL, Iwo-jima; KAUM-I. 32347, 27.0 mm SL, Iwo-jima; KAUM-I. 37991, 40.5 mm SL, Take-shima; NSMT-P 106919, 36.2 mm SL, Iwo-jima; NSMT-P 106926, 35.7 mm SL, Iwo-jima; NSMT-P 106942, 14.8 mm SL, Iwo-jima. This study: KAUM-I. 129812, 35.6 mm SL, Take-shima; KAUM-I. 156361, 36.8 mm SL, Take-shima; KAUM-I. 156362, 37.0 mm SL, Take-shima.

***Fusigobius gracilis* (Randall, 2001)**

[Jpn name: Sesujisankakuhaze]

Suzuki (2013j): KAUM-I. 37779, 41.1 mm SL, Take-shima. This study: KAUM-I. 156504, 18.9 mm SL, Take-shima.

***Fusigobius humeralis* (Randall, 2001)**

[Jpn name: Kataboshisankakuhaze]

This study: KAUM-I. 156350, 27.1 mm SL, Take-shima.

***Fusigobius inframaculatus* (Randall, 1994)**

[Jpn name: Hatatatesankakuhaze]

Suzuki (2013k): KAUM-I. 29430, 45.4 mm SL, Iwo-jima; KAUM-I. 29445, 17.8 mm SL, Iwo-jima; KAUM-I. 29476, 28.1 mm SL, Iwo-jima; KAUM-I. 29552, 27.4 mm SL, Iwo-jima; underwater photograph, Iwo-jima. This study: KAUM-I. 95940, 41.9 mm SL, Kuro-shima; KAUM-I. 95941, 39.1 mm SL, Kuro-shima; KAUM-I. 95942, 36.1 mm SL, Kuro-shima; KAUM-I. 95943, 31.4 mm SL, Kuro-shima; KAUM-I. 95954, 18.3 mm SL, Kuro-shima; KAUM-I. 95955, 22.3 mm SL, Kuro-shima.

***Gnatholepis anjerensis* (Bleeker, 1851)**

[Jpn name: Omonhaze]

Suzuki (2013l): KAUM-I. 29541, 39.0 mm SL, Iwo-jima; KAUM-I. 31414, 43.0 mm SL, Iwo-jima; KAUM-I. 31690, 27.4 mm SL, Iwo-jima.

***Gnatholepis cauerensis* (Bleeker, 1853)**

[Jpn name: Kataboshiomonhaze]

Suzuki (2013m): KAUM-I. 30539, 17.4 mm SL, Iwo-jima; KAUM-I. 32315, 32.1 mm SL, Iwo-jima; KAUM-I. 32348, 30.4 mm SL, Iwo-jima; KAUM-I. 32349, 36.1 mm SL, Iwo-jima; KAUM-I. 37743, 42.7 mm SL, Iwo-jima; NSMT-P 106703, 15.8 mm SL, Take-shima. This study: KAUM-I. 95953, 20.2 mm SL, Kuro-shima; KAUM-I. 156351, 37.6 mm SL, Take-shima; KAUM-I. 156352, 38.9 mm SL, Take-shima; KAUM-I. 156353, 30.8 mm SL, Take-shima; KAUM-I. 156360, 36.3 mm SL, Take-shima.

***Gobiodon fuscioruber* Herler, Bogorodsky and Suzuki, 2013**

[Jpn name: Mujikobanhaze] (Pl. 8A)

This study: KAUM-I. 156342, 33.5 mm SL, Take-shima.

***Gobiodon quinquestrigatus* (Valenciennes, 1837)**

[Jpn name: Futairosangohaze]

Suzuki (2013n): KAUM-I. 29677, 34.0 mm SL, Take-shima.

***Gobiodon* sp. 1**

[Jpn name: N/A]

Suzuki (2013o, as *Gobiodon* sp.): KAUM-I. 30552, 20.1 mm SL, Iwo-jima.

Remarks: This species is the same with Suzuki and Shibukawa (2021)'s *Gobiodon* sp. 5.

***Gobiodon* sp. 2**

[Jpn name: N/A] (Pl. 8B)

This study: KAUM-I. 156335, 43.0 mm SL, Take-shima; KAUM-I. 156336, 38.1 mm SL, Take-shima; KAUM-I. 156337, 36.9 mm SL, Take-shima; KAUM-I. 156338, 37.3 mm SL, Take-shima; KAUM-I. 156339, 38.5 mm SL, Take-shima; KAUM-I. 156340, 33.4 mm SL, Take-shima; KAUM-I. 156341, 23.0 mm SL, Take-shima; KAUM-I. 156390, 23.2 mm SL, Take-shima.

Remarks: This species is the same with Munday et al. (1999)'s *Gobiodon* sp. D.

***Grallenia arenicola* Shibukawa and Iwata, 2007**

[Jpn name: Sazarehaze] (Pl. 8C)

This study: underwater photograph, Iwo-jima.

***Istigobius decoratus* (Herre, 1927)**

[Jpn name: Hoshikazarihaze]

Suzuki (2013p): KAUM-I. 37741, 54.1 mm SL, Take-shima; KAUM-I. 37742, 36.9 mm SL, Take-shima.

This study: KAUM-I. 95944, 30.4 mm SL, Kuro-shima.

***Istigobius ornatus* (Rüppell, 1830)**

[Jpn name: Kazarihaze] (Pl. 8D)

This study: KAUM-I. 156327, 79.9 mm SL, Take-shima; KAUM-I. 156505, 27.5 mm SL, Take-shima.

***Pleurosicya boldinghi* Weber, 1913**

[Jpn name: Sukerokumitakehaze]

Suzuki (2013q): KAUM-I. 29612, 12.4 mm SL, Iwo-jima; KAUM-I. 29614, 17.2 mm SL, Iwo-jima;

KAUM-I. 29615, 13.4 mm SL, Iwo-jima; KAUM-I. 29616, 12.0 mm SL, Iwo-jima; underwater photographs, Iwo-jima, Take-shima.

***Pleurosicya labiata* (Weber, 1913)**

[Jpn name: Tarekuchiumitakehaze] (Pl. 8E)

This study: underwater photograph, Iwo-jima.

***Pleurosicya micheli* Fourmanoir, 1971**

[Jpn name: Akasujiumitakehaze] (Pl. 8F)

This study: underwater photograph, Iwo-jima.

***Pleurosicya mossambica* Smith, 1959**

[Jpn name: Seboshiumitakehaze]

Suzuki (2013r): KAUM-I. 37613, 15.9 mm SL, Iwo-jima; KAUM-I. 30631, 16.4 mm SL, Iwo-jima; underwater photograph, Iwo-jima. This study: KAUM-I. 95948, 18.8 mm SL, Kuro-shima; KAUM-I. 95949, 18.4 mm SL, Kuro-shima.

***Priolepis cincta* (Regan, 1908)**

[Jpn name: Benkeihaze]

Suzuki (2013s): KAUM-I. 29491, 13.5 mm SL, Iwo-jima; KAUM-I. 29575, 34.9 mm SL, Take-shima; KAUM-I. 29741, 21.9 mm SL, Iwo-jima; KAUM-I. 30068, 30.4 mm SL, Take-shima; KAUM-I. 30069, 26.5 mm SL, Take-shima; KAUM-I. 30070, 24.8 mm SL, Take-shima; KAUM-I. 31689, 16.7 mm SL, Iwo-jima; KAUM-I. 32356, 25.0 mm SL, Iwo-jima; KAUM-I. 33948, 24.5 mm SL, Iwo-jima; KAUM-I. 37691, 33.9 mm SL, Iwo-jima; KAUM-I. 37758, 33.5 mm SL, Take-shima; KAUM-I. 37759, 30.4 mm SL, Take-shima; KAUM-I. 37962, 32.3 mm SL, Iwo-jima; NSMT-P 106135, 28.1 mm SL, Iwo-jima; NSMT-P 106188, 9 specimens, 8.6–14.9 mm SL, Take-shima; NSMT-P 106709, 2 specimens, 13.7–19.0 mm SL, Iwo-jima; NSMT-P 106913, 2 specimens, 26.9–29.9 mm SL, Iwo-jima; NSMT-P 106974, 8.2 mm SL, Iwo-jima; underwater photograph, Iwo-jima. This study: KAUM-I. 95909, 22.0 mm SL, Kuro-shima; KAUM-I. 95956, 21.4 mm SL, Kuro-shima; KAUM-I. 95957, 17.9 mm SL, Kuro-shima; KAUM-I. 95958, 16.8 mm SL, Kuro-shima; KAUM-I. 129782, 20.5 mm SL, Take-shima; KAUM-I. 129803, 25.6 mm SL, Take-shima; KAUM-I. 156333, 35.1 mm SL, Take-shima; KAUM-I. 156334, 35.2 mm SL, Take-shima; KAUM-I. 156363, 30.0 mm SL, Take-shima.

***Priolepis latifascima* Winterbottom and Burridge, 1993**

[Jpn name: Futosujirezumihaze]

Suzuki (2013t): KAUM-I. 30537, 13.0 mm SL, Iwo-jima. This study: KAUM-I. 95910, 21.3 mm SL, Kuro-shima.

***Priolepis semidoliata* (Valenciennes, 1837)**

[Jpn name: Irezumihaze]

Suzuki (2013u): KAUM-I. 37738, 23.1 mm SL, Take-shima; NSMT-P 106114, 23.4 mm SL, Take-shima.

***Rhinogobius brunneus* (Temminck and Schlegel, 1845)**

[Jpn name: Kuroyoshinobori]

Imai et al. (2019): 31 specimens, 21.2–62.3 mm SL, Kuro-shima: 1 unregistered specimen, Hotta River; 9 unregistered specimens, Miyakou River; 17 unregistered specimens, Inokuchi River; KAUM-I. 130411, 62.3 mm SL, Hotta River; KAUM-I. 130412, 47.5 mm SL, Hotta River; KAUM-I. 130413, 41.3 mm SL, Miyakou River; KAUM-I. 130414, 48.1 mm SL, Inokuchi River.

***Stonogobiops yasha* Yoshino and Shimada, 2001**

[Jpn name: Yashahaze] (Pl. 8G)

This study: underwater photograph, Iwo-jima.

***Sueviota lachneri* Winterbottom and Hoese, 1988**

[Jpn name: Awaseisohaze]

Suzuki (2013v): KAUM-I. 29428, 18.2 mm SL, Iwo-jima; KAUM-I. 29444, 17.4 mm SL, Iwo-jima; KAUM-I. 29574, 17.8 mm SL, Take-shima; KAUM-I. 29650, 16.9 mm SL, Take-shima; KAUM-I. 30630, 17.4 mm SL, Iwo-jima; KAUM-I. 32311, 15.3 mm SL, Iwo-jima; underwater photograph, Iwo-jima. This study: KAUM-I. 129814, 17.5 mm SL, Take-shima; KAUM-I. 129815, 19.4 mm SL, Take-shima.

***Tomiyanichthys emilyae* Allen, Erdmann and Utama, 2019**

[Jpn name: Hotatetsunohaze] (Pl. 8H)

This study: underwater photograph, Iwo-jima.

***Trimma anaima* Winterbottom, 2000**

[Jpn name: Himeniramibenhaze] (Pl. 8I)

This study: underwater photograph, Iwo-jima.

***Trimma annousum* Winterbottom, 2003**

[Jpn name: Pegasusubenhaze]

Suzuki (2013w): KAUM-I. 29655, 17.6 mm SL, Take-shima; KAUM-I. 29718, 18.1 mm SL, Take-shima; KAUM-I. 31706, 19.2 mm SL, Iwo-jima; KAUM-I. 37835, 20.0 mm SL, Iwo-jima.; underwater photograph, Iwo-jima.

***Trimma caesiurum* Jordan and Seale, 1906**

[Jpn name: Benihaze]

Suzuki (2013x): KAUM-I. 29426, 24.9 mm SL, Iwo-jima; KAUM-I. 29523, 19.6 mm SL, Iwo-jima.

***Trimma caudomaculatum* Yoshino and Araga, 1975**

[Jpn name: Aogihaze]

Suzuki (2013y): KAUM-I. 29521, 29.3 mm SL, Iwo-jima; KAUM-I. 30131, 29.4 mm SL, Iwo-jima; KAUM-I. 30132, 29.5 mm SL, Iwo-jima; KAUM-I. 30133, 29.6 mm SL, Iwo-jima; NSMT-P 106153, 26.7 mm SL, Iwo-jima; NSMT-P 106944, 2 specimens, 14.8–20.5 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Trimma halonevum* Winterbottom, 2000**

[Jpn name: Shiriusubenhaze] (Pl. 9A)

This study: underwater photograph, Iwo-jima.

***Trimma kudoi* Suzuki and Senou, 2008**

[Jpn name: Nagashimebenihaze]

Suzuki (2013z): KAUM-I. 29427, 22.9 mm SL, Iwo-jima; KAUM-I. 29544, 17.4 mm SL, Iwo-jima; KAUM-I. 29689, 21.3 mm SL, Take-shima; KAUM-I. 29690, 20.4 mm SL, Take-shima; KAUM-I. 29737, 21.4 mm SL, Iwo-jima; KAUM-I. 29738, 21.2 mm SL, Iwo-jima; KAUM-I. 37932, 27.0 mm SL, Iwo-jima; NSMT-P 106154, 17.7 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Trimma macrophthalmum* (Tomiya, 1936)**

[Jpn name: Omehaze]

Suzuki (2013a'): KAUM-I. 29446, 19.7 mm SL, Iwo-jima; KAUM-I. 29475, 16.4 mm SL, Iwo-jima; KAUM-I. 29686, 15.4 mm SL, Take-shima; KAUM-I. 29687, 16.3 mm SL, Take-shima; KAUM-I. 29740, 18.2 mm SL, Iwo-jima; KAUM-I. 30621, 8.6 mm SL, Iwo-jima; KAUM-I. 32310, 17.7 mm SL, Iwo-jima; NSMT-P 106707, 11.4 mm SL, Take-shima; NSMT-P 106910, 2 specimens, 9.5–12.8 mm SL, Iwo-jima; NSMT-P 106921, 2 specimens, 13.9–16.1 mm SL, Iwo-jima; NSMT-P 106927, 16.0 mm SL, Iwo-jima; NSMT-P 106941, 9.6 mm SL, Iwo-jima; NSMT-P 106945, 4 specimens, 9.4–14.7 mm SL, Iwo-jima; NSMT-P 106948, 6 specimens, 10.2–15.6 mm SL, Iwo-jima; underwater photograph, Iwo-jima. This study: KAUM-I. 95887, 13.9 mm SL, Kuro-shima.

***Trimma maiandros* Hoese, Winterbottom and Reader, 2011**

[Jpn name: Aobenihaze] (Pl. 9B)

This study: underwater photograph, Iwo-jima.

***Trimma milta* Winterbottom, 2002**

[Jpn name: Hoshikuzubeni-haze]

Suzuki (2013c'): KAUM-I. 29739, 17.6 mm SL, Iwo-jima.

***Trimma naudei* Smith, 1957**

[Jpn name: Chigobenihaze] (Pl. 9C)

This study: KAUM-I. 95959, 20.7 mm SL, Kuro-shima.

Remarks: The Kuro-shima specimen represents the northernmost record for the species.

***Trimma nomurai* Suzuki and Senou, 2007**

[Jpn name: Kataboshinishikibenihaze] (Pl. 9D)

This study: underwater photograph, Iwo-jima.

Remarks: The underwater photograph from Iwo-jima represents the northernmost record for the species.

***Trimma okinawae* (Aoyagi, 1949)**

[Jpn name: Okinawabenihaze]

This study: KAUM-I. 124825, 15.0+ mm TL, Kuro-shima.

***Trimma sheppardi* Winterbottom, 1984**

[Jpn name: Ningyobenihaze]

Suzuki (2013d'): KAUM-I. 29743, 19.9 mm SL, Iwo-jima.

***Trimma taylori* Lobel, 1979**

[Jpn name: Oyogibenihaze]

Suzuki (2013b'): KAUM-I. 37933, 19.8 mm SL, Iwo-jima; KAUM-I. 37934, 19.9 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

***Trimmatom* sp.**

[Jpn name: Shimaisohaze]

Suzuki (2013e'): KAUM-I. 29572, 42.7 mm SL, Take-shima.

Remarks: The Take-shima specimen represents the northernmost record for the species in Japanese waters.

***Valenciennesa puellaris* (Tomiyama, 1956)**

[Jpn name: Otomehaze]

Ogihara (2013q'): KAUM-I. 29692, 109.6 mm SL, Take-shima. This study: KAUM-I. 95951, 41.8 mm SL, Kuro-shima.

***Vanderhorstia hiramatsui* Iwata, Shibukawa and Ohnishi, 2007**

[Jpn name: Kuroerikanokohaze] (Pl. 9E)

This study: underwater photograph, Take-shima.

Remarks: The underwater photograph from Take-shima represents the southernmost record for the species in Japanese waters.

***Vanderhorstia kizakura* Iwata, Shibukawa and Ohnishi, 2007**

[Jpn name: Kizakurahaze] (Pl. 9F)

This study: underwater photograph, Take-shima.

**FAMILY PTERELEOTRIDAE*****Navigobius kaguya* Gill, Tea and Senou, 2017**

[Jpn name: Kaguyahimehaze]

Motomura (2013e', as *Navigobius* sp.): underwater photograph, Iwo-jima.

Remarks: The underwater photograph from Iwo-jima represents the southernmost record for the species in Japanese waters.

***Nemateleotris decora* Randall and Allen, 1973**

[Jpn name: Akebonohaze]

Ogihara (2013r'): underwater photograph, Iwo-jima.

***Nemateleotris magnifica* Fowler, 1938**

[Jpn name: Hatatatehaze]

Suzuki (2013f'): KAUM-I. 29682, 56.9 mm SL, Take-shima; underwater photograph, Iwo-jima.

***Ptereleotris grammica* Randall and Lubbock, 1982**

[Jpn name: Sujikuroyurihaze]

Ogihara (2013s'): underwater photograph, Iwo-jima.

**FAMILY SIGANIDAE*****Siganus argenteus* (Quoy and Gaimard, 1825)**

[Jpn name: Hanaaigo]

Tashiro (2013g): KAUM-I. 37840, 290.0 mm SL, Iwo-jima.

***Siganus fuscescens* (Houttuyn, 1782)**

[Jpn name: Aigo]

Tashiro (2013h): KAUM-I. 37746, 31.8 mm SL, Take-shima.

**FAMILY ZANCLIDAE*****Zanclus cornutus* (Linnaeus, 1758)**

[Jpn name: Tsunodashi]

Tashiro (2013i): KAUM-I. 37624, 170.9 mm SL, Iwo-jima; KAUM-I. 37720, 72.6 mm SL, Take-shima; NSMT-P 106077, 147.6 mm SL, Iwo-jima. This study: KAUM-I. 96591, 81.2 mm SL, Kuro-shima.

**FAMILY ACANTHURIDAE*****Acanthurus dussumieri* Valenciennes, 1835**

[Jpn name: Nisekanranhagi]

Chiba (2013p): KAUM-I. 37647, 272.1 mm SL, Iwo-jima.

***Acanthurus japonicus* (Schmidt, 1931)**

[Jpn name: Namidakurohagi] (Pl. 9G)

This study: KAUM-I. 96556, 84.8 mm SL, Kuro-shima.

***Acanthurus leucopareius* (Jenkins, 1903)**

[Jpn name: Sujikurohagi]

Chiba (2013q): KAUM-I. 37990, 235.5 mm SL, Take-shima.

***Acanthurus mata* Cuvier, 1829**

[Jpn name: Hiraniza]

Chiba (2013r): KAUM-I. 37612, 155.4 mm SL, Iwo-jima

***Acanthurus nigrofuscus* (Forsskål, 1775)**

[Jpn name: Naganiza] (Pl. 9H)

This study: KAUM-I. 96547, 155.0 mm SL, Kuro-shima.

***Acanthurus olivaceus* Bloch and Schneider, 1801**

[Jpn name: Montsukihagi]

Chiba (2013s): KAUM-I. 31623, 44.1 mm SL, Iwo-jima; KAUM-I. 37761, 273.6 mm SL, Take-shima.

***Acanthurus pyroferus* Kittlitz, 1834**

[Jpn name: Kuroguchiniza]

Chiba (2013t): KAUM-I. 32338, 41.6 mm SL, Take-shima; underwater photograph, Iwo-jima.

***Acanthurus thompsoni* (Fowler, 1923)**

[Jpn name: Ohagurohagi]

Chiba (2013u): KAUM-I. 37972, 32.5 mm SL, Showaiwo-jima.

***Acanthurus xanthopterus* Valenciennes, 1835**

[Jpn name: Kurohagi]

Chiba (2013v): KAUM-I. 31622, 63.6 mm SL, Iwo-jima.

***Ctenochaetus binotatus* Randall, 1955**

[Jpn name: Kokutensazanamihagi]

Chiba (2013w): KAUM-I. 31385, 35.6 mm SL, Take-shima; KAUM-I. 37645, 116.4 mm SL, Iwo-jima.

***Naso annulatus* (Quoy and Gaimard, 1825)**

[Jpn name: Himetenguhagi]

Chiba (2013x): KAUM-I. 37797, 176.4 mm SL, Iwo-jima.

***Naso hexacanthus* (Bleeker, 1855)**

[Jpn name: Tenuhagimodoki]

Chiba (2013y): underwater photograph, Iwo-jima.

***Naso thynnoides* (Cuvier, 1829)**

[Jpn name: Bozuhagi] (Pl. 9I)

This study: KAUM-I. 96582, 248.3 mm SL, Kuro-shima.

***Naso unicornis* (Forsskål, 1775)**

[Jpn name: Tenuhagi] (Pl. 9J)

This study: KAUM-I. 96517, 275.0 mm SL, Kuro-shima.

***Prionurus scalprum* Valenciennes, 1835**

[Jpn name: Nizadai]

Chiba (2013z): KAUM-I. 37837, 229.9 mm SL, Iwo-jima; underwater photograph, Iwo-jima.

**FAMILY GEMPYLIDAE*****Neopinnula orientalis* (Gilchrist and von Bonde, 1924)**

[Jpn name: Toyokamasu] (Pl. 10A)

This study: KAUM-I. 104901, 148.6 mm SL, Kuro-shima; KAUM-I. 104902, 143.6 mm SL, Kuro-shima.

**FAMILY SCOMBRIDAE*****Scomber australasicus* Cuvier, 1832**

[Jpn name: Gomasaba]

Hata (2013l): KAUM-I. 37679, 115.0 mm SL, Iwo-jima; KAUM-I. 37680, 105.0 mm SL, Iwo-jima; KAUM-I. 37939, 170.2 mm SL, Iwo-jima.

***Scomber japonicus* Houttuyn, 1782**

[Jpn name: Masaba]

Hata (2013m): KAUM-I. 29416, 109.4 mm SL, Iwo-jima; NSMT-P 106113, 123.7 mm SL, Iwo-jima; NSMT-P 106140, 97.3 mm SL, Iwo-jima.

***Thunnus albacares* (Bonnaterre, 1788)**

[Jpn name: Kihada] (Pl. 10B)

This study: KAUM-I. 97802, 481.0 mm SL, Kuro-shima.

**FAMILY CITHARIDAE*****Lepidoblepharon ophthalmolepis* Weber, 1913**

[Jpn name: Urokogarei] (Pl. 10C)

This study: KAUM-I. 104896, 125.3 mm SL, Kuro-shima; KAUM-I. 104950, 92.6 mm SL, Kuro-shima.

**FAMILY BOTHIDAE*****Chascanopsetta lugubris lugubris* Alcock, 1894**

[Jpn name: Zaragarei]

Fukui et al. (2015): KAUM-I. 55553, 187.8 mm SL, Kuro-shima.

**FAMILY PLEURONECTIDAE*****Tanakius kitaharae* (Jordan and Starks, 1904)**

[Jpn name: Yanagimushigarei] (Pl. 10D)

This study: KAUM-I. 104894, 210.5 mm SL, Kuro-shima; KAUM-I. 104895, 184.1 mm SL, Kuro-shima.

Remarks: The Kuro-shima specimens represent the southernmost records for the species.

**FAMILY SOLEIDAE*****Aseraggodes* sp.**

[Jpn name: Musumeushinoshita]

Ohashi (2013a): KAUM-I. 29722, 69.1 mm SL, Iwo-jima; KAUM-I. 29764, 78.1 mm SL, Take-shima; KAUM-I. 33936, 85.2 mm SL, Iwo-jima; KAUM-I. 37646, 72.7 mm SL, Iwo-jima; NSMTP 106175, 78.6 mm SL, Take-shima; underwater photograph, Iwo-jima.

***Pardachirus pavoninus* (Lacepède, 1802)**

[Jpn name: Minamiushinoshita]

Ohashi (2013b): KAUM-I. 37756, 237.7 mm SL, Take-shima.

**FAMILY TRIACANTHODIDAE*****Tydemanina navigatoris* Weber, 1913**

[Jpn name: Sokokawamuki]

Shibuya et al. (2021): KAUM-I. 145665, 81.8 mm SL, Kuro-shima.

Remarks: The Kuro-shima specimen represents the southernmost record for the species in Japanese waters.

**FAMILY BALISTIDAE*****Balistapus undulatus* (Park, 1797)**

[Jpn name: Kumadori]

Matsuura (2013a): KAUM-I. 29796, 166.4 mm SL, Take-shima; KAUM-I. 31668, 55.5 mm SL, Iwo-jima.

***Balistooides conspicillum* (Bloch and Schneider, 1801)**

[Jpn name: Mongarakawahagi]

Matsuura (2013b): KAUM-I. 29549, 158.9 mm SL, Iwo-jima; KAUM-I. 31620, 46.8 mm SL, Iwo-jima; NSMT-P 106090, 238.9 mm SL, Iwo-jima; underwater photograph, Iwo-jima. This study: KAUM-I. 96572, 245.4 mm SL, Kuro-shima; KAUM-I. 96573, 176.6 mm SL, Kuro-shima.

***Melichthys vidua* (Richardson, 1845)**

[Jpn name: Kuromongara]

Matsuura (2013c): KAUM-I. 29795, 193.2 mm SL, Take-shima; KAUM-I. 32359, 216.3 mm SL, Iwo-jima; KAUM-I. 34005, 188.0 mm SL, Iwo-jima; KAUM-I. 37654, 218.5 mm SL, Iwo-jima; NSMT-P 99042, 197.0 mm SL, Iwo-jima; NSMT-P 106085, 191.0 mm SL, Iwo-jima; NSMT-P 106088, 181.9 mm SL, Iwo-jima.

***Odonus niger* (Rüppell, 1836)**

[Jpn name: Akamongara]

Matsuura (2013d): KAUM-I. 32308, 54.8 mm SL, Iwo-jima.

***Sufflamen bursa* (Bloch and Schneider, 1801)**

[Jpn name: Musumehagi]

Matsuura (2013e): KAUM-I. 34000, 160.7 mm SL, Iwo-jima; KAUM-I. 34001, 160.0 mm SL, Iwo-jima; NSMT-P 106079, 117.1 mm SL, Iwo-jima.

***Sufflamen chrysopteron* (Bloch and Schneider, 1801)**

[Jpn name: Tsumajiromongara]

Matsuura (2013f): KAUM-I. 29550, 138.3 mm SL, Iwo-jima; KAUM-I. 29696, 149.8 mm SL, Iwo-jima; KAUM-I. 29700, 139.7 mm SL, Iwo-jima; KAUM-I. 31621, 42.0 mm SL, Iwo-jima; KAUM-I. 31665, 35.0 mm SL, Iwo-jima; KAUM-I. 31669, 55.4 mm SL, Iwo-jima; KAUM-I. 34002, 142.7 mm SL, Iwo-jima; KAUM-I. 37655, 132.6 mm SL, Iwo-jima; KAUM-I. 37744, 156.4 mm SL, Take-shima; KAUM-I. 37764, 175.8 mm SL, Take-shima; NSMT-P 106078, 146.0 mm SL, Iwo-jima. This study: KAUM-I. 96581, 156.0 mm SL, Kuro-shima; KAUM-I. 156525, 152.0 mm SL, Take-shima; KAUM-I. 156564, 178.4 mm SL, Take-shima.

***Sufflamen fraenatum* (Latreille, 1804)**

[Jpn name: Meganehagi]

Matsuura (2013g): KAUM-I. 37622, 224.0 mm SL, Iwo-jima. This study: KAUM-I. 96571, 165.8 mm SL, Kuro-shima.

**FAMILY MONACANTHIDAE*****Aluterus monoceros* (Linnaeus, 1758)**

[Jpn name: Usubahagi] (Pl. 10E)

This study: underwater photograph, Iwo-jima.

***Cantherhines dumerilii* (Hollard, 1854)**

[Jpn name: Hakuseihagi]

Matsuura (2013h): KAUM-I. 37695, 236.9 mm SL, Iwo-jima.

***Cantherhines pardalis* (Rüppell, 1837)**

[Jpn name: Amimeumazurahagi]

Matsuura (2013i): KAUM-I. 31386, 76.5 mm SL, Take-shima; KAUM-I. 37929, 78.9 mm SL, Iwo-jima; KAUM-I. 37994, 189.9 mm SL, Take-shima.

***Paraluteres prionurus* (Bleeker, 1851)**

[Jpn name: Nokogirihagi] (Pl. 10F)

This study: underwater photograph, Iwo-jima.

***Pervagor melanocephalus* (Bleeker, 1853)**

[Jpn name: Nuriwakekawahagi]

Matsuura (2013j): KAUM-I. 30572, 53.3 mm SL, Iwo-jima; KAUM-I. 32339, 83.5 mm SL, Iwo-jima; NSMT-P 106165, 74.2 mm SL, Take-shima.

***Thamnaconus tessellatus* (Günther, 1880)**

[Jpn name: Goishiumazurahagi]

Matsumoto et al. (2021): KAUM-I. 158646, 246.4 mm SL, Iwo-jima.

**FAMILY OSTRACIIDAE*****Lactoria diaphana* (Bloch and Schneider, 1801)**

[Jpn name: Umisuzume]

Matsuura (2013k): KAUM-I. 29798, 180.5 mm SL, Take-shima; KAUM-I. 30605, 189.7 mm SL, Iwo-jima; NSMT-P 106073, 180.5 mm SL, Iwo-jima.

***Lactoria fornasini* (Bianconi, 1846)**

[Jpn name: Shimaumisuzume]

Matsuura (2013l): KAUM-I. 37763, 108.0 mm SL, Take-shima. This study: KAUM-I. 96580, 88.5 mm SL, Kuro-shima.

***Ostracion cubicum* Linnaeus, 1758**

[Jpn name: Minamihakofugu]

Matsuura (2013m): KAUM-I. 37774, 50.7 mm SL, Take-shima.

***Ostracion immaculatum* Temminck and Schlegel, 1850**

[Jpn name: Hakofugu]

Matsuura (2013n): KAUM-I. 29660, 11.6 mm SL, Take-shima; KAUM-I. 29695, 116.7 mm SL, Take-shima; KAUM-I. 29735, 143.2 mm SL, Iwo-jima; KAUM-I. 30594, 139.2 mm SL, Iwo-jima; KAUM-I. 34004, 133.3 mm SL, Iwo-jima; KAUM-I. 37793, 129.5 mm SL, Iwo-jima; NSMT-P 106072, 39.7 mm SL, Iwo-jima; NSMT-P 106074, 135.1 mm SL, Iwo-jima. This study: KAUM-I. 96544, 146.5 mm SL, Kuro-shima; KAUM-I. 96550, 139.9 mm SL, Kuro-shima.

**FAMILY TETRAODONTIDAE*****Arothron firmamentum* (Temminck and Schlegel, 1850)**

[Jpn name: Hoshifugu]

Matsuura (2013o): KAUM-I. 30569, 94.8 mm SL, Iwo-jima.

***Arothron meleagris* (Anonymous, 1798)**

[Jpn name: Mizorefugu]

Matsuura (2013p): KAUM-I. 32360, 258.9 mm SL, Iwo-jima; KAUM-I. 37803, 279.9 mm SL, Iwo-jima.

***Canthigaster axiologa* Whitley, 1931**

[Jpn name: Hanakinchakufugu]

Matsuura (2013q): KAUM-I. 29481, 29.4 mm SL, Iwo-jima; KAUM-I. 29547, 72.5 mm SL, Iwo-jima; KAUM-I. 29548, 97.0 mm SL, Iwo-jima; KAUM-I. 31392, 74.7 mm SL, Take-shima; KAUM-I. 31661, 70.5 mm SL, Iwo-jima; KAUM-I. 31662, 49.4 mm SL, Iwo-jima; KAUM-I. 31663, 40.0 mm SL, Iwo-jima; NSMT-P 106080, 26.6 mm SL, Iwo-jima; NSMT-P 106081, 25.4 mm SL, Iwo-jima; NSMT-P 106917, 22.2 mm SL, Iwo-jima.

***Canthigaster epilampra* (Jenkins, 1903)**

[Jpn name: Monkikinchakufugu] (Pl. 10G)

This study: underwater photograph, Take-shima.

***Canthigaster rivulata* (Temminck and Schlegel, 1850)**

[Jpn name: Kitamakura]

Matsuura (2013r): KAUM-I. 37609, 28.9 mm SL, Iwo-jima; KAUM-I. 37754, 37.2 mm SL, Take-shima; NSMT-P 106152, 36.1 mm SL, Iwo-jima.

***Canthigaster valentini* (Bleeker, 1853)**

[Jpn name: Shimakinchakufugu]

Matsuura (2013s): KAUM-I. 37661, 52.1 mm SL, Iwo-jima; NSMT-P 106917, 22.2 mm SL, Iwo-jima. This study: KAUM-I. 156522, 19.6 mm SL, Take-shima.

**FAMILY DIODONTIDAE*****Chilomycterus reticulatus* (Linnaeus, 1758)**

[Jpn name: Ishigakifugu]

Matsuura (2013t): KAUM-I. 29748, 305.0 mm SL, Iwo-jima. This study: KAUM-I. 156386, 295.5 mm SL, Take-shima.

***Diodon holocanthus* Linnaeus, 1758**

[Jpn name: Harisembon]

Matsuura (2013u): KAUM-I. 29694, 187.0 mm SL, Take-shima; KAUM-I. 29699, 146.5 mm SL, Iwo-jima; KAUM-I. 29747, 207.3 mm SL, Iwo-jima; NSMT-P 106104, 164.5 mm SL, Iwo-jima. This study: KAUM-I. 96549, 174.1 mm SL, Kuro-shima.

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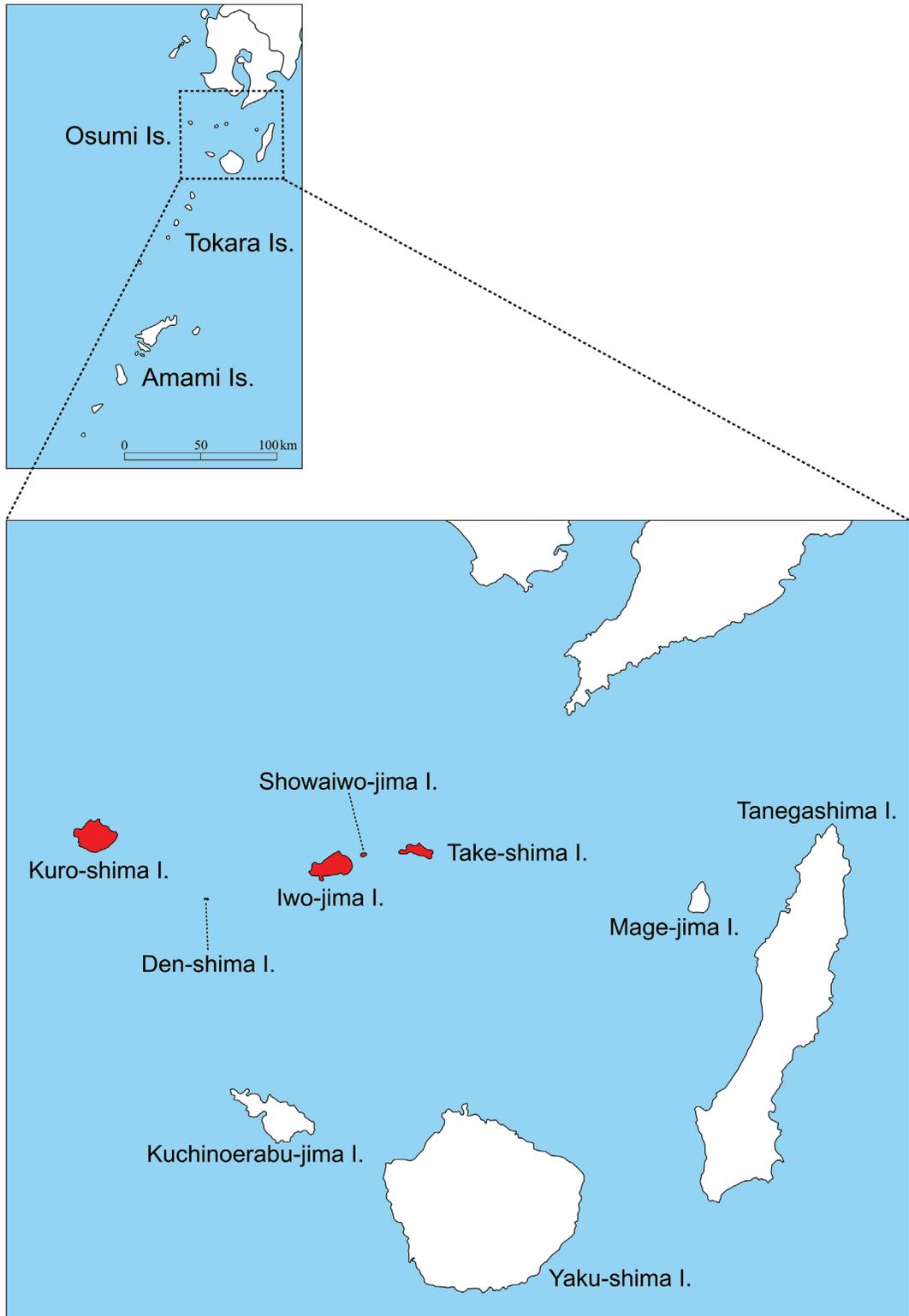


Fig. 1. Maps of the Satsunan Islands (upper) and the Osumi Islands (lower). The islands marked in red are Mishima, Kagoshima, Japan.

## Plate legends

**Plate 1.** **A**, *Cephaloscyllium umbratile* (KAUM-I. 104870); **B**, *Heptranchias perlo* (KAUM-I. 104923); **C**, *Dipturus gigas* (KAUM-I. 104869); **D**, *Neotrygon orientalis* (KAUM-I. 96575); **E**, *Taeniurops meyeri* (Take-shima); **F**, *Brachysomophis henshawi* (KAUM-I. 96516). Photo E: K. Furuta.

**Plate 2.** **A**, *Polyipnus spinifer* (KAUM-I. 104875); **B**, *Ateleopus japonicus* (KAUM-I. 104899); **C**, *Diaphus chrysorhynchus* (KAUM-I. 104898); **D**, *Diaphus watasei* (KAUM-I. 104912); **E**, *Hymenocephalus striatissimus* (KAUM-I. 104907); **F**, *Spicomacrus kuronumai* (KAUM-I. 104906); **G**, *Neobythites stigosus* (KAUM-I. 104952); **H**, *Chaunax abei* (KAUM-I. 104951); **I**, *Malthopsis gigas* (KAUM-I. 104897); **J**, *Beryx decadactylus* (KAUM-I. 97942); **K**, *Centroberyx druzhinini* (KAUM-I. 97958).

**Plate 3.** **A**, *Myripristis greenfieldi* (KAUM-I. 96530); **B**, *M. pralinia* (KAUM-I. 96529); **C**, *Diretmichthys parini* (KAUM-I. 104892); **D**, *Cyttopsis rosea* (KAUM-I. 104891); **E**, *Zenion japonicum* (KAUM-I. 104889); **F**, *Aeoliscus strigatus* (KAUM-I. 156523); **G**, *Halicampus brocki* (KAUM-I. 129795); **H**, *Scorpaenopsis neglecta* (KAUM-I. 156379); **I**, *Epinephelus hexagonatus* (KAUM-I. 156535).

**Plate 4.** **A**, *Epinephelus malabaricus* (KAUM-I. 124299); **B**, *Plectranthias kamii* (KAUM-I. 97950); **C**, *Plectranthias winniensis* (Iwo-jima); **D**, *P. yamakawai* (KAUM-I. 97949); **E**, *Variola albimarginata* (KAUM-I. 158013); **F**, *Pseudochromis cyanotaenia* (KAUM-I. 95893); **G**, *Plesiops coeruleolineatus* (KAUM-I. 156545); **H**, *Opistognathus hopkinsi* (KAUM-I. 107728); **I**, *Cercamia eremia* (Iwo-jima); **J**, *Fowleria variegata* (KAUM-I. 156377); **K**, *Pseudamia gelatinosa* (KAUM-I. 95904). Photo C: S. Dewa; photo I: K. Nakajima.

**Plate 5.** ; **A**, *Pseudamiops gracilicauda* (KAUM-I. 95961); **B**, *Epigonus denticulatus* (KAUM-I. 145667); **C**, *E. pectinifer* (KAUM-I. 145666); **D**, *Caranx sexfasciatus* (KAUM-I. 96536); **E**, *Seriola dumerili* (KAUM-I. 156530); **F**, *Brama orcini* (KAUM-I. 97697); **G**, *Lutjanus gibbus* (KAUM-I. 96593); **H**, *Parupeneus pleurostigma* (KAUM-I. 96579); **I**, *Hemitaurchichthys polylepis* (KAUM-I. 96555); **J**, *Centropyge bicolor* (KAUM-I. 95888).

**Plate 6.** **A**, *Abudefduf sexfasciatus* (KAUM-I. 156532); **B**, *Neoglyphidodon nigroris* (KAUM-I. 156355); **C**, *N. nigroris* (KAUM-I. 156579); **D**, *Plectroglyphidodon altus* (KAUM-I. 156534); **E**, *Kyphosus cinerascens* (KAUM-I. 96526); **F**, *K. vaigiensis* (KAUM-I. 96527); **G**, *Halichoeres nebulosus* (KAUM-I. 95922); **H**, *Stethojulis strigiventer* (KAUM-I. 156507); **I**, *Thalassoma lunare* (KAUM-I. 156378); **J**, *T. lunare* (KAUM-I. 156565).

**Plate 7.** **A**, *Thalassoma lutescens* (KAUM-I. 129835); **B**, *Calotomus japonicus* (KAUM-I. 96513); **C**, *Limnichthys nitidus* (KAUM-I. 156509); **D**, *Enneapterygius philippinus* (KAUM-I. 156384); **E**, *Ucla xenogrammus* (KAUM-I. 156366); **F**, *Amblyeleotris guttata* (Iwo-jima); **G**, *Amblyeleotris yanoi* (Iwo-jima); **H**, *Asterropteryx semipunctata* (KAUM-I. 156349); **I**, *Eviota abax* (KAUM-I. 156501); **J**, *E. prasites* (KAUM-I. 156514); **K**, *E. sebreei* (Iwo-jima). Photo F: Y. Matsuda; photos G, K: S. Dewa.

**Plate 8.** **A**, *Gobiodon fuscoruber* (KAUM-I. 156342); **B**, *Gobiodon* sp. 2 (KAUM-I. 156340); **C**, *Grallenia arenicola* (Iwo-jima); **D**, *Istigobius ornatus* (KAUM-I. 156327); **E**, *Pleurosicya labiata* (Iwo-jima); **F**, *P. micheli* (Iwo-jima); **G**, *Stonogobiops yasha* (Iwo-jima); **H**, *Tomiyamichthys emilyae* (Iwo-jima); **I**, *Trimma anaima* (Iwo-jima). Photos C, F, G, I: S. Dewa; photo E: Y. Komiya; photo H: Y. Matsuda.

**Plate 9.** **A**, *Trimma halonevum* (Iwo-jima); **B**, *T. maiandros* (Iwo-jima); **C**, *T. naudei* (KAUM-I. 95959); **D**, *T. nomurai* (Iwo-jima); **E**, *Vanderhorstia hiramatsui* (Take-shima); **F**, *Vanderhorstia kizakura* (Take-shima); **G**, *Acanthurus japonicus* (KAUM-I. 96556); **H**, *Acanthurus nigrofuscus* (KAUM-I. 96547); **I**, *Naso thynnoides* (KAUM-I. 96582); **J**, *N. unicornis* (KAUM-I. 96517). Photo A: Y. Matsuda; photo B: S. Dewa; photos D-F: Y. Komiya.

**Plate 10.** **A**, *Neoepinnula orientalis* (KAUM-I. 104901); **B**, *Thunnus albacares* (KAUM-I. 97802); **C**, *Lepidoblepharon ophthalmolepis* (KAUM-I. 104896); **D**, *Tanakius kitaharae* (KAUM-I. 104895); **E**, *Aluterus monoceros* (Iwo-jima); **F**, *Paraluteres prionurus* (Iwo-jima); **G**, *Canthigaster epilampra* (Take-shima). Photo E: K. Nakajima.

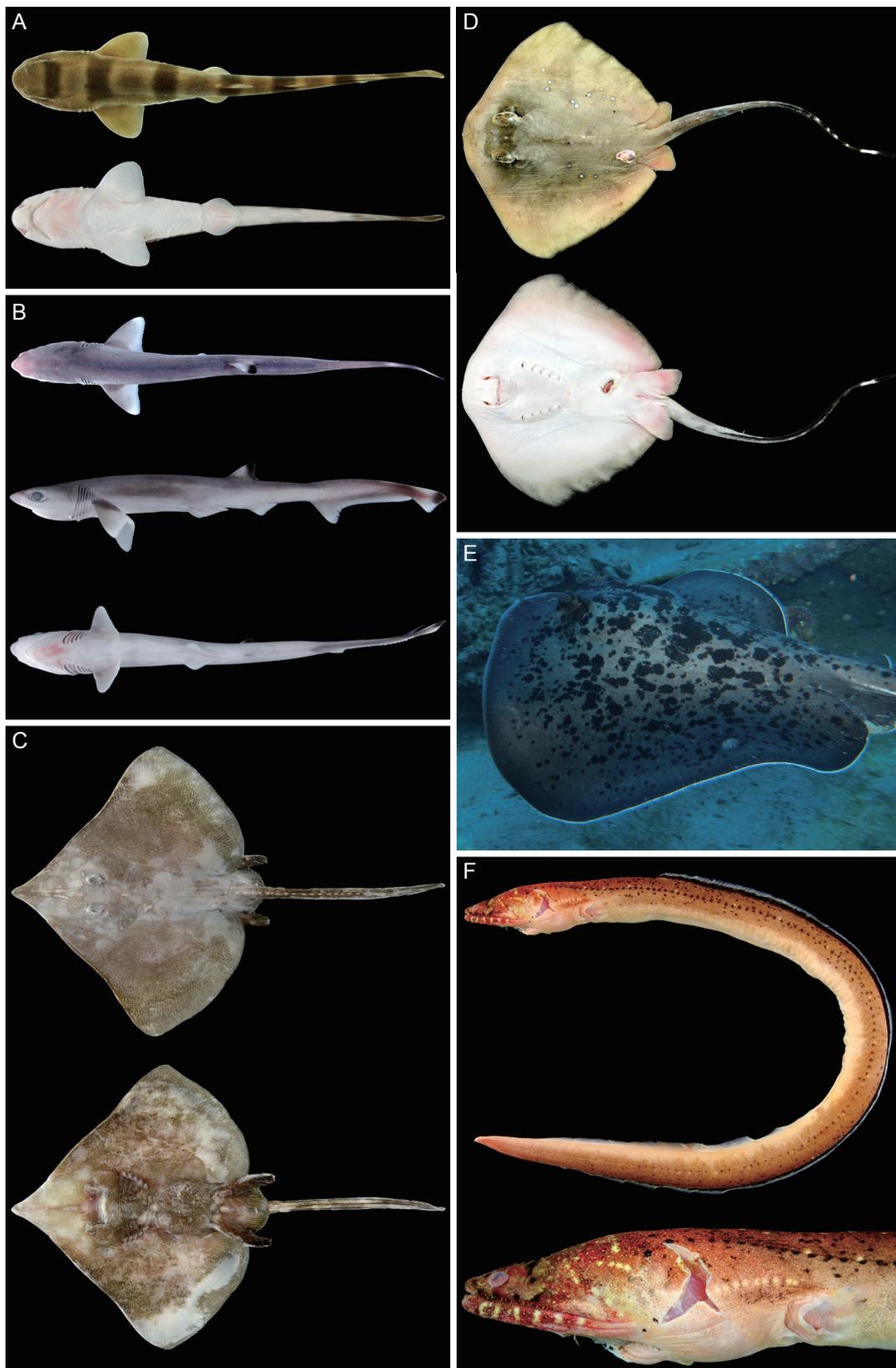


Plate 1

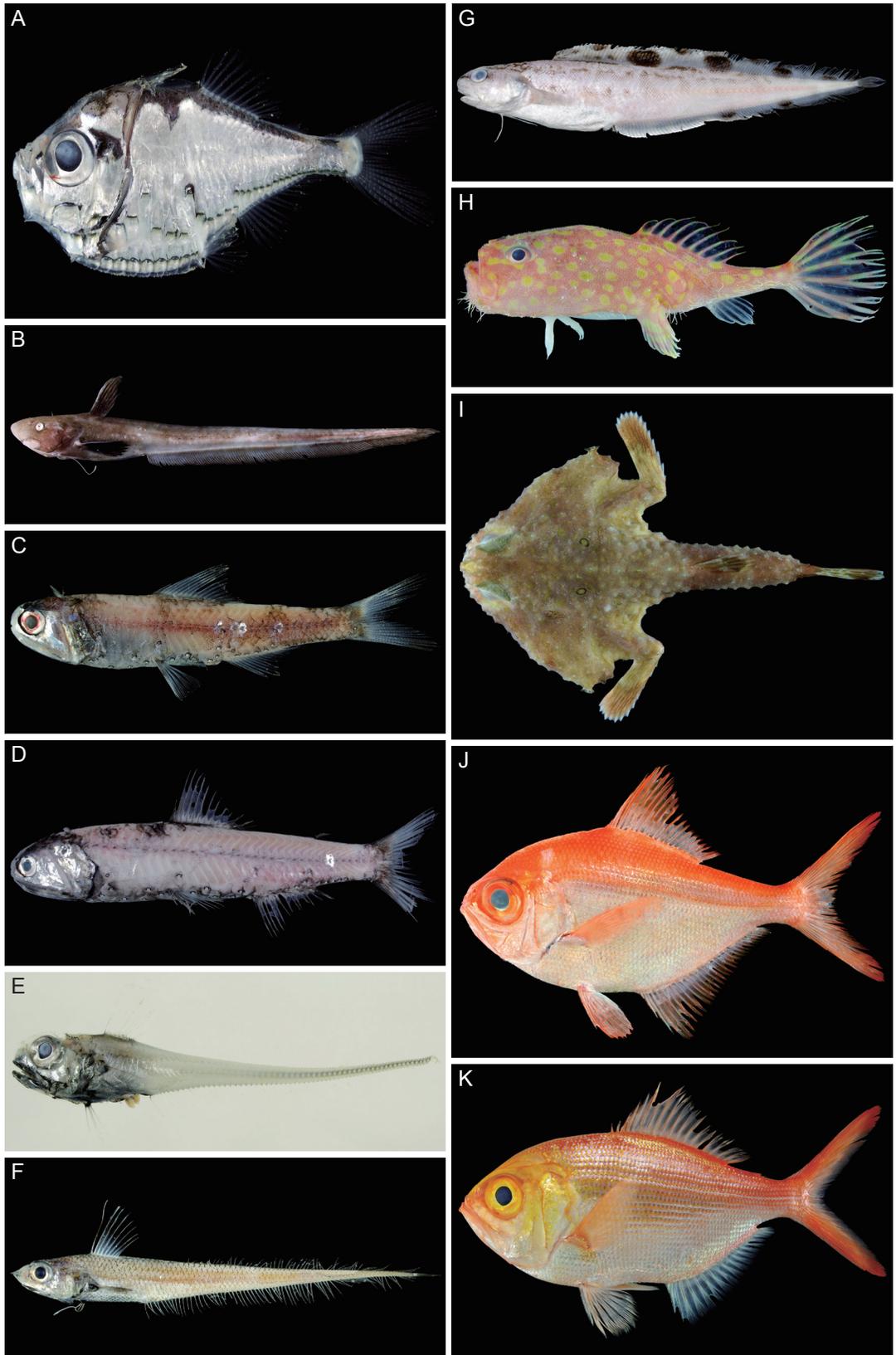


Plate 2

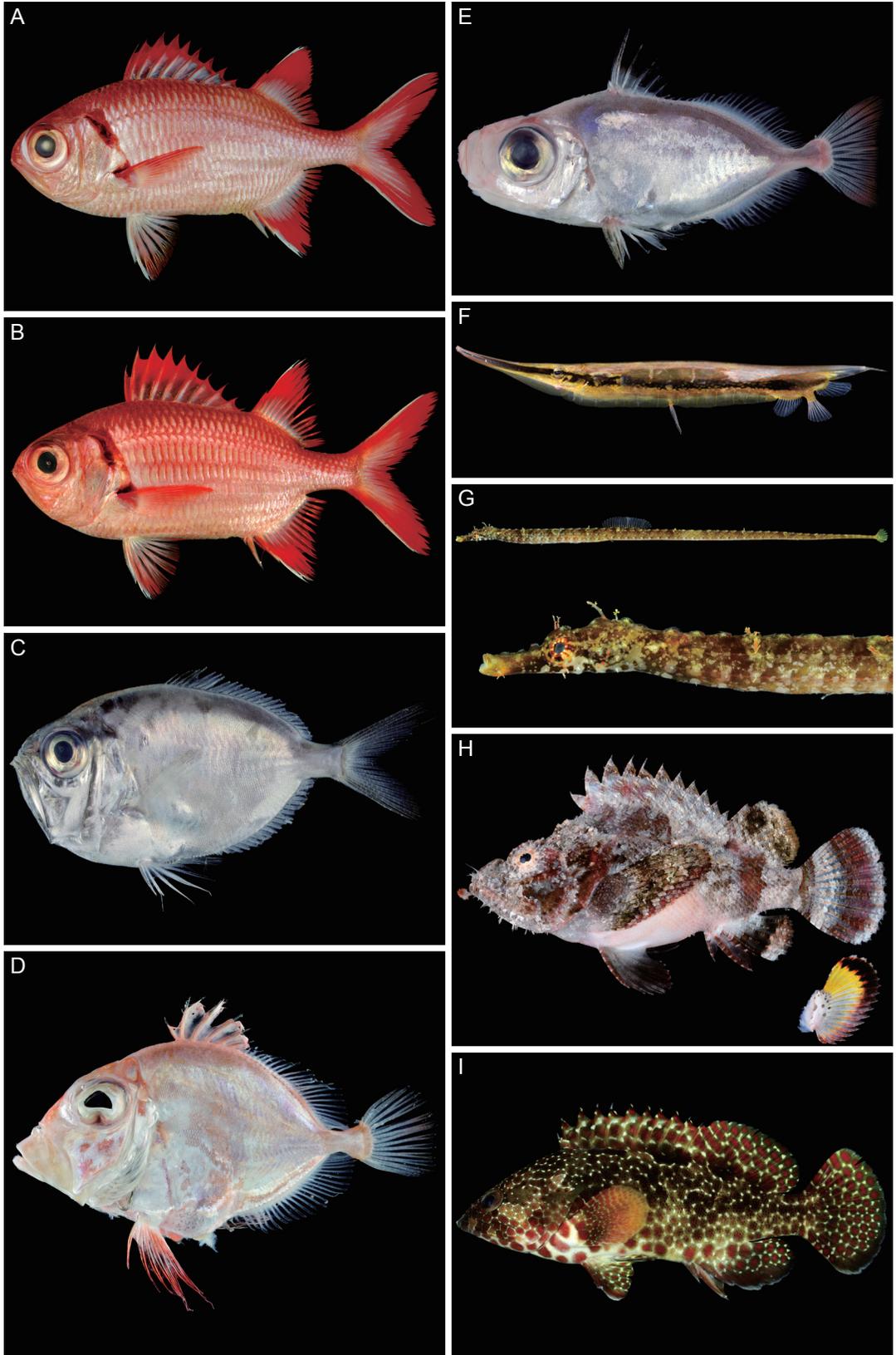


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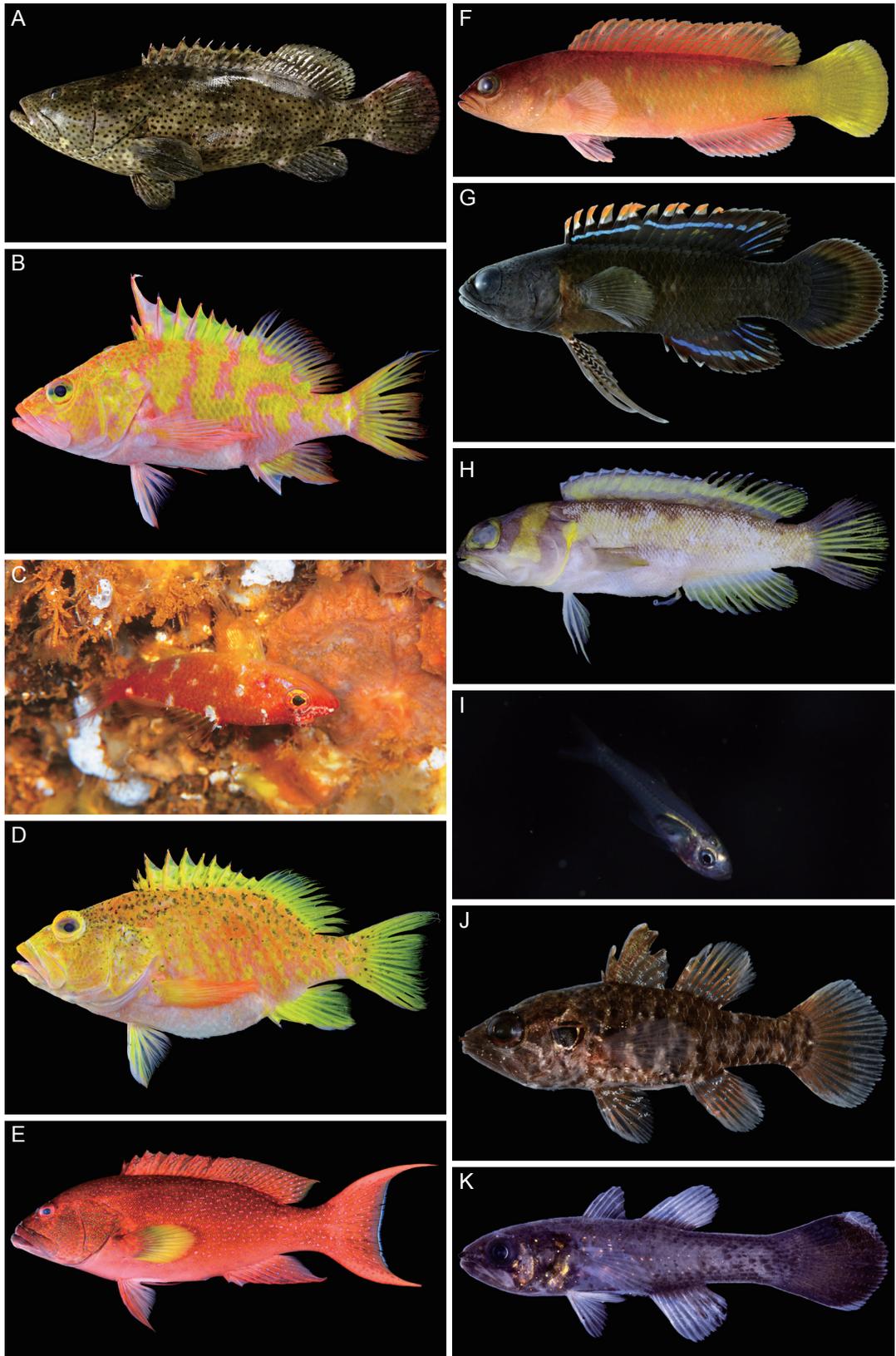


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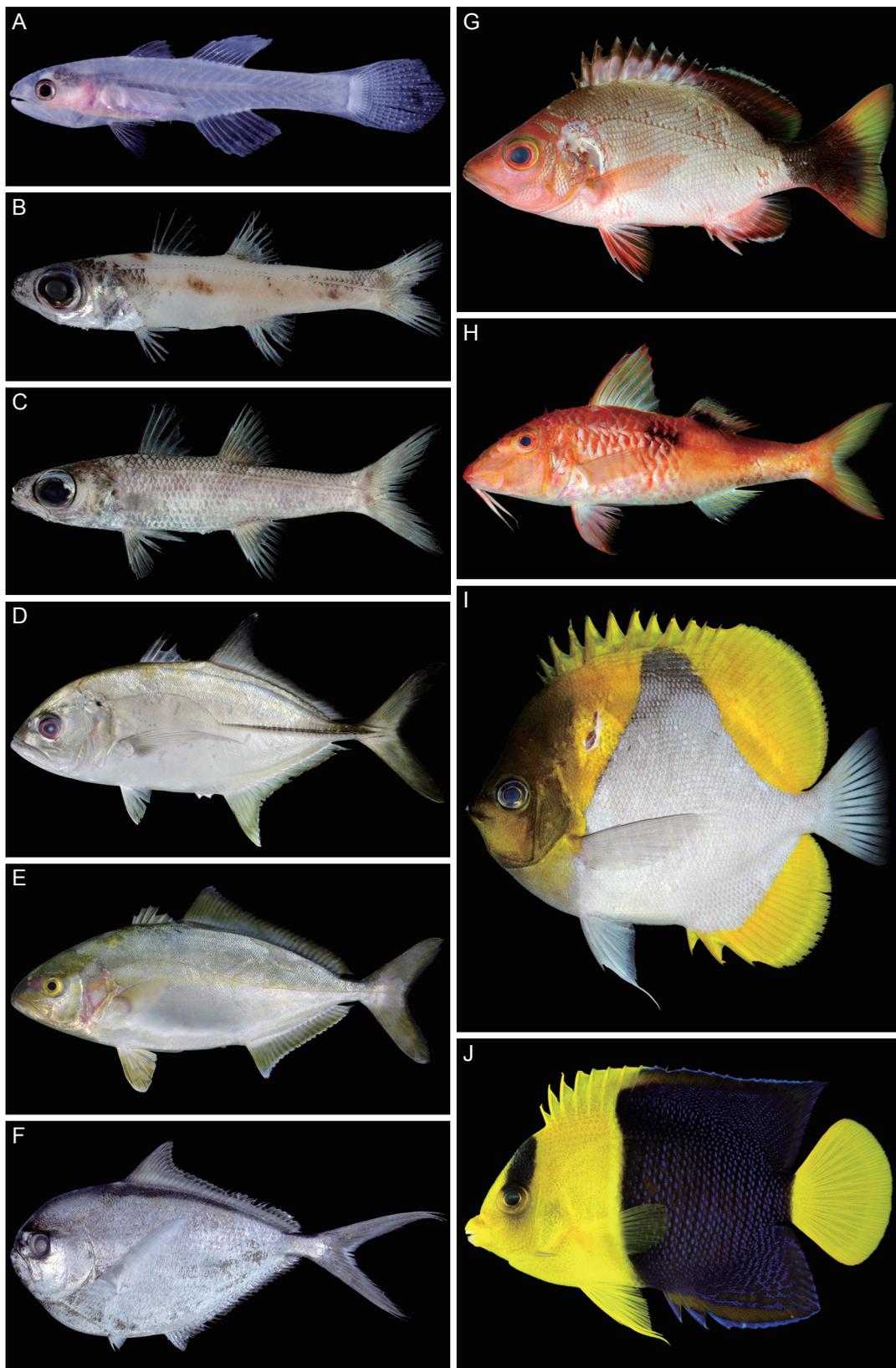


Plate 5



Plate 6



Plate 7



Plate 8

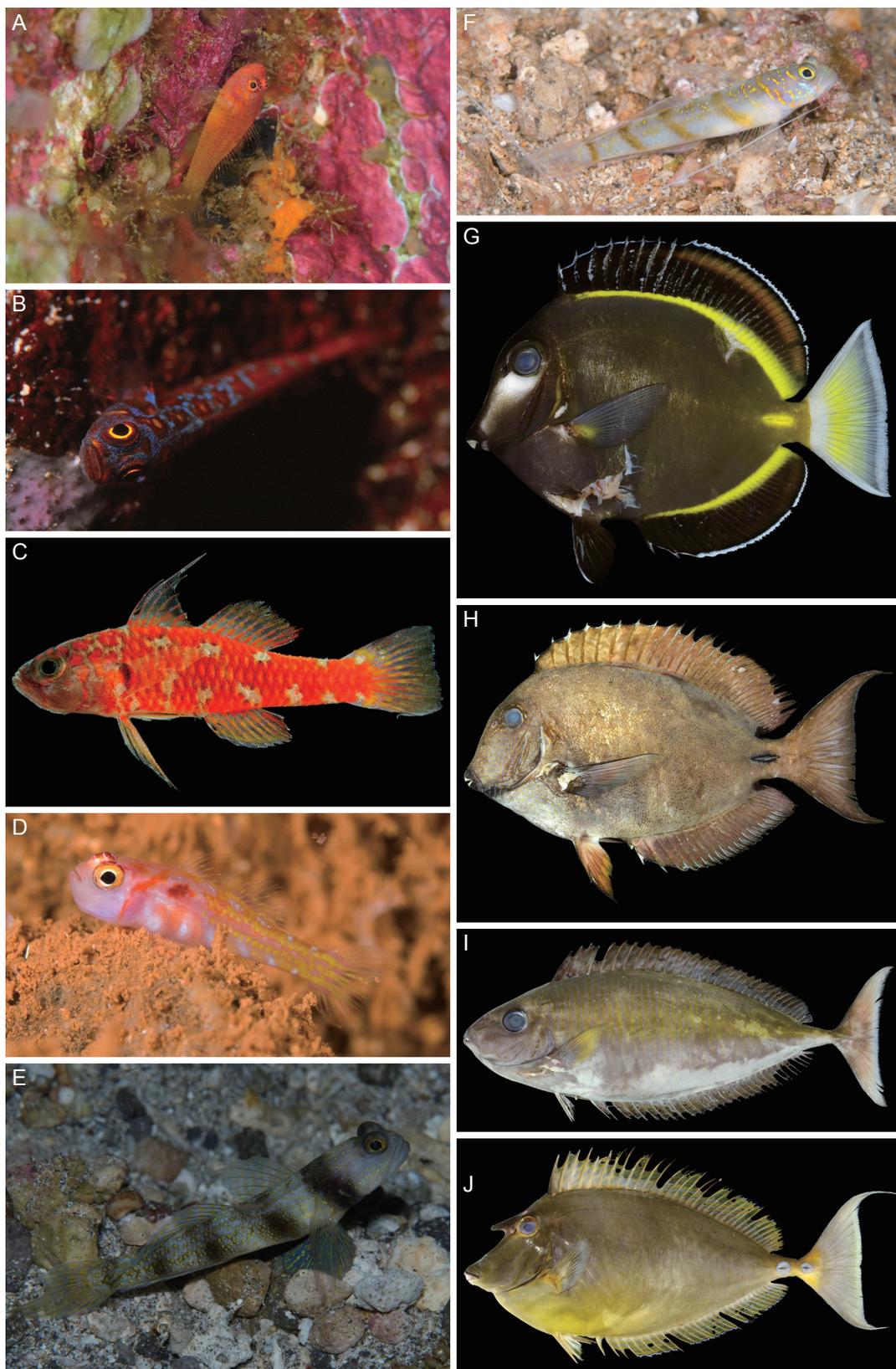


Plate 9

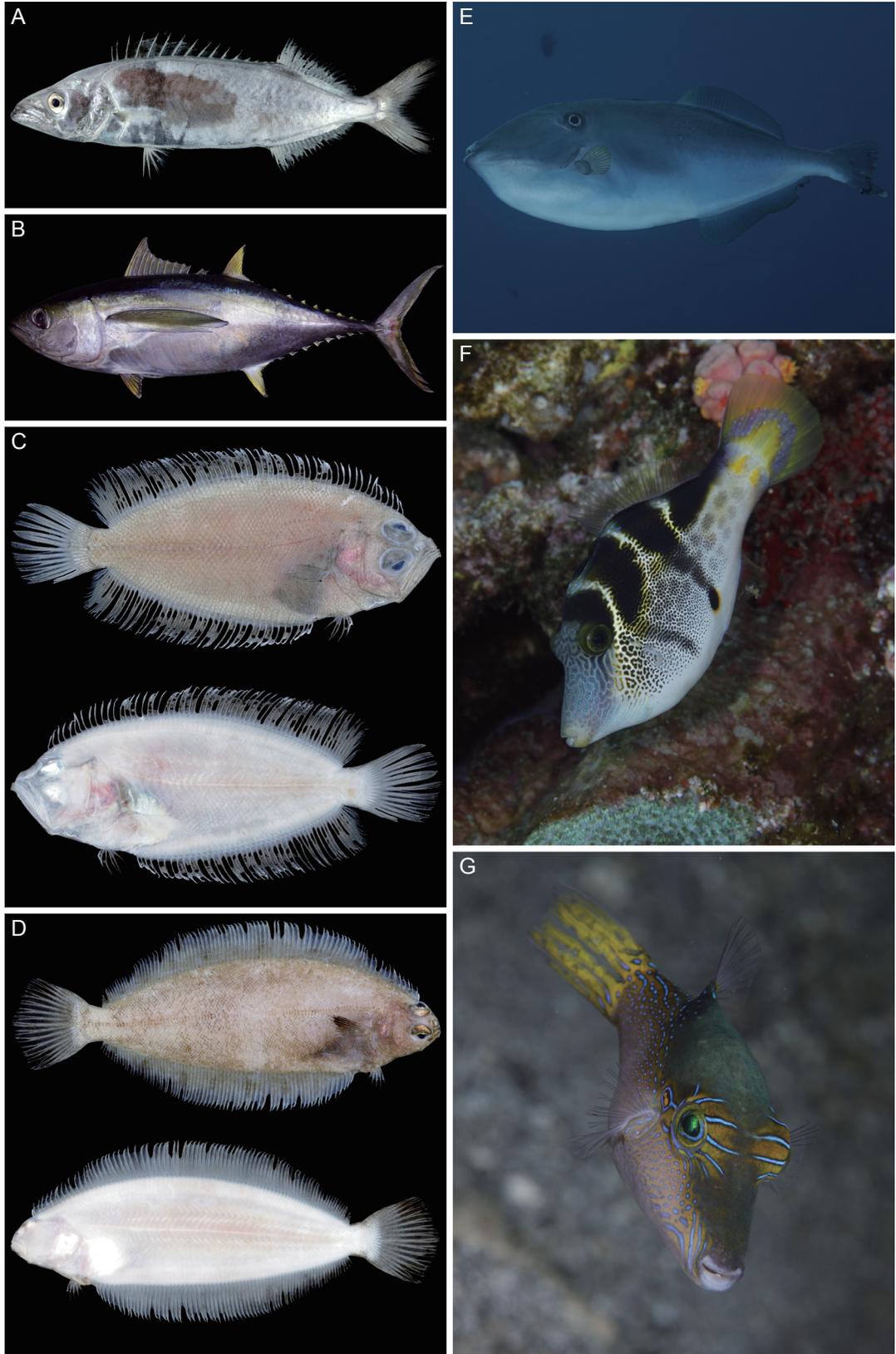
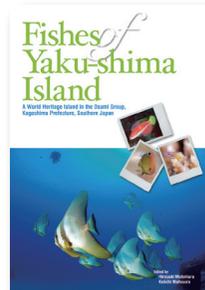


Plate 10

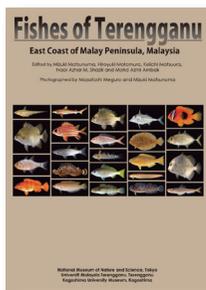
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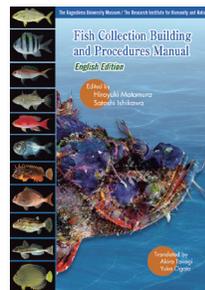
**2009 (March)**  
Motomura, H. (ed.). Fish collection building and procedures manual. Japanese edition. Kagoshima University Museum, Kagoshima. 70 pp.



**2010 (March)**  
Motomura, H. and K. Matsuura (eds.). Fishes of Yaku-shima Island - A World Heritage island in the Osumi Group, Kagoshima Prefecture, southern Japan. National Museum of Nature and Science, Tokyo. viii + 264 pp., 704 figs.



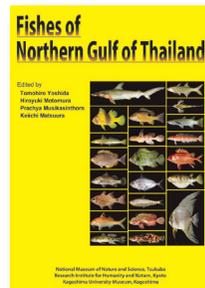
**2011 (November)**  
Matsunuma, M., H. Motomura, K. Matsuura, N. A. M. Shazili and M. A. Ambak (eds.). Fishes of Terengganu - east coast of Malay Peninsula, Malaysia. National Museum of Nature and Science, Tokyo, Universiti Malaysia Terengganu, Terengganu, and Kagoshima University Museum, Kagoshima. viii + 251 pp., 678 figs.



**2013 (February)**  
Motomura, H. and S. Ishikawa (eds.). Fish collection building and procedures manual. English edition. Kagoshima University Museum, Kagoshima and Research Institute for Humanity and Nature, Kyoto. 70 pp.



**2013 (March)**  
Motomura, H., S. Dewa, K. Furuta and K. Matsuura (eds.). Fishes of Iou-jima and Take-shima islands, Mishima, Kagoshima, Japan. Kagoshima University Museum, Kagoshima and National Museum of Nature and Science, Tsukuba. 390 pp., 883 figs.



**2013 (September)**  
Yoshida, T., H. Motomura, P. Musikasinthorn and K. Matsuura (eds.). Fishes of northern Gulf of Thailand. National Museum of Nature and Science, Tsukuba, Research Institute for Humanity and Nature, Kyoto, and Kagoshima University Museum, Kagoshima. viii + 239 pp., 621 figs.



**2014 (March)**  
Motomura, H. and K. Matsuura (eds.). Field guide to fishes of Yoron Island in the middle of the Ryukyu Islands, Japan. Kagoshima University Museum, Kagoshima and National Museum of Nature and Science, Tsukuba. 648 pp., 1808 figs.

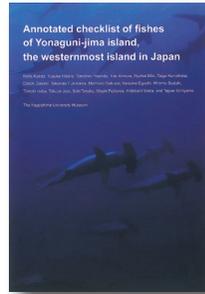


**2016 (July)**  
Iwatsubo, H., S. Kato and H. Motomura (eds.). Field guide to fishes of Ei in southern Kyushu, Japan. Kagoshima Museum of Aquatic Biodiversity, Makura-zaki, Kagoshima University Museum, Kagoshima, and Seahorse Ways, Minami-kyushu. 80 pp., 192 figs.

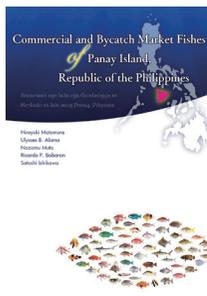
# Ichthyological Publications by the Kagoshima University Museum



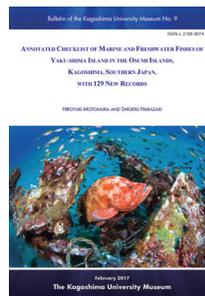
**2016 (August)**  
Matsunuma, M., Y. Fukui and H. Motomura (eds.). Freshwater fishes of Kagoshima City, southern Kyushu, Japan. Kagoshima University Museum, Kagoshima. 86 pp., 221 figs.



**2016 (September)**  
Koeda, K., Y. Hibino, T. Yoshida, Y. Kimura, R. Miki, T. Kunishima, D. Sasaki, T. Furukawa, M. Sakurai, K. Eguchi, H. Suzuki, T. Inaba, T. Uejo, S. Tanaka, M. Fujisawa, H. Wada and T. Uchiyama. Annotated checklist of fishes of Yonaguni-jima island, the westernmost island in Japan. Kagoshima University Museum, Kagoshima. v + 120 pp., 523 figs.



**2017 (January)**  
Motomura, H., U. B. Alama, N. Muto, R. Babaran, and S. Ishikawa (eds.). Commercial and bycatch market fishes of Panay Island, Republic of the Philippines. The Kagoshima University Museum, Kagoshima, University of the Philippines Visayas, Iloilo, and Research Institute for Humanity and Nature, Kyoto. 246 pp., 911 figs.



**2017 (February)**  
Motomura, H. and S. Harazaki. Annotated checklist of marine and freshwater fishes of Yakushima island in the Osumi Islands, Kagoshima, southern Japan, with 129 new records. Bulletin of the Kagoshima University Museum, 9: 1–183.



**2017 (October)**  
Iwatsubo, H. and H. Motomura (eds.). Field guide to fishes of Kagoshima Bay in southern Kyushu, Japan. Kagoshima Museum of Aquatic Biodiversity, Kagoshima and the Kagoshima University Museum, Kagoshima. 302 pp., 618 figs.



**2017 (December)**  
Kimura, Y., Y. Hibino, R. Miki, T. Mine-toma and K. Koeda (eds.) Field guide to fishes of Kuchinoerabu-jima island in the Osumi Group, Kagoshima, southern Japan. Kagoshima University Museum, Kagoshima. 200 pp.

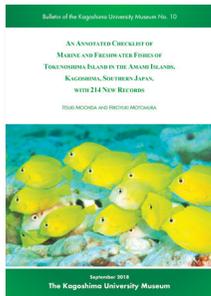


**2018 (March)**  
Koeda, K., H. Hata, M. Yamada and H. Motomura (eds.). Field guide to fishes landed at Uchinoura Fishing Port, Kagoshima, Japan. Kagoshima University Museum, Kagoshima. 520 pp., 1059 figs.

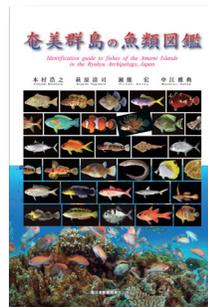


**2018 (April)**  
Motomura, H., K. Hagiwara, H. Senou and M. Nakae (eds.). Identification guide to fishes of the Amami Islands, Japan. Kagoshima University Museum, Kagoshima, Yokosuka City Museum, Yokosuka, Kanagawa Prefectural Museum of Natural History, Odawara, and National Museum of Nature and Science, Tsukuba. 414 pp., 3290 figs.

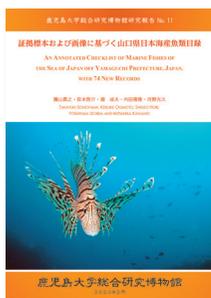
# Ichthyological Publications by the Kagoshima University Museum



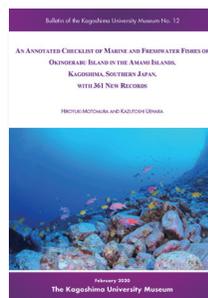
**2018 (September)**  
Mochida, I. and H. Motomura. An annotated checklist of marine and freshwater fishes of Tokunoshima island in the Amami Islands, Kagoshima, southern Japan, with 202 new records. Bulletin of the Kagoshima University Museum, 10: 1–80.



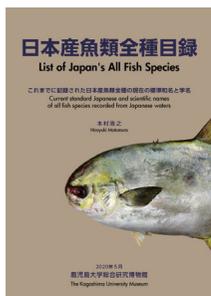
**2019 (February)**  
Motomura, H., K. Hagiwara, H. Senou and M. Nakae (eds.). Identification guide to fishes of the Amami Islands in the Ryukyu Archipelago, Japan. The Minaminippon Shimbun Kaihatsu Center, Kagoshima. 436 pp., 3370 figs.



**2020 (February)**  
Sonoyama, T., K. Ogimoto, S. Hori, Y. Uchida and M. Kawano. An annotated checklist of marine fishes of the Sea of Japan off Yamaguchi Prefecture, Japan, with 74 new records. Bulletin of the Kagoshima University Museum, 11: 1–152.



**2020 (March)**  
Motomura, H. and K. Uehara. An annotated checklist of marine and freshwater fishes of Okinoerabu Island in the Amami Islands, Kagoshima, southern Japan, with 361 new records. Bulletin of the Kagoshima University Museum, 12: 1–125.



**2020 (May)**  
Motomura, H. List of Japan's all fish species. Current standard Japanese and scientific names of all fish species recorded from Japanese waters. The Kagoshima University Museum, Kagoshima. 560 pp.



**2020 (September)**  
Motomura, H., T. Yamamoto and S. Tagane (eds.). Field guide to wildlife of the Takano River mouth and its vicinity areas, Izumi City, northwestern Kagoshima Prefecture, Japan. The Kagoshima University Museum, Kagoshima. 316 pp.

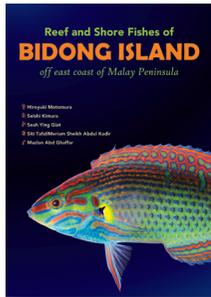


**2020 (November)**  
Koeda, K., H. Hata, M. Yamada and H. Motomura (eds.). Fishes from markets in Osumi Peninsula, Kagoshima, Japan. The Kagoshima University Museum, Kagoshima. 634 pp.



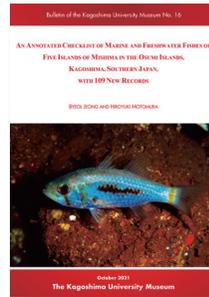
**2020 (December)**  
Fujiwara, K. and H. Motomura. An annotated checklist of marine and freshwater fishes of Kikai Island in the Amami Islands, Kagoshima, southern Japan, with 259 new records. Bulletin of the Kagoshima University Museum, 14: 1–73.

# Ichthyological Publications by the Kagoshima University Museum



**2021 (January)**

Motomura, H., S. Kimura, Y. G. Seah, S. T. Sheikh Abdul Kadir, and M. A. Ghaffar (eds). Reef and shore fishes of Bidong Island, off east coast of Malay Peninsula. The Kagoshima University Museum, Kagoshima. 80 pp., 224 figs.



**2021 (October)**

Jeong, B. and H. Motomura. An annotated checklist of marine and freshwater fishes of five islands of Mishima in the Osumi Islands, Kagoshima, southern Japan, with 109 new records. Bulletin of the Kagoshima University Museum 16: 1–116.



View of Iwo-jima Fishing Port; water containing a large amount of iron gush out from the bottom, turning reddish brown as they react with the seawater. Photo by H. Motomura.



Outside the entrance of Iwo-jima Fishing Port. Photo by H. Motomura from a research vessel.



*A total of 541 species, including 109 species that represent the first reliable records from five islands of Mishima in the Osumi Islands on the basis of collected specimens and/or underwater photographs, are listed with citation of literature, registration numbers, sizes, localities on the island, and some remarks.*

