

**List of the specimens of families Haemulidae and Hapalogenyidae (Actinopterygii: Teleostei) deposited in the Department of Zoology, The University Museum, The University of Tokyo**

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**Abstract**

A list of specimens of Haemulidae and Hapalogenyidae deposited in the Department of Zoology, The University Museum, The University of Tokyo is provided. No types are known for these families in ZUMT collection. 201 lots with 239 specimens of 16 haemulid and 106 lots with 107 specimens of four hapalogenyid species were observed.

**Introduction**

The grunts or sweetlips family Haemulidae includes two subfamilies, 21 genera and 136 valid species (Marceniuk et al. 2019; Parenti 2019; Damadi et al. 2020; Acevedo-Álvarez et al. 2021; Carvalho et al. 2021), 18 of them have been recorded from Japanese waters (Johnson et al. 2001; Shimada 2013; Johnson and Wilmer 2015; Hata et al. 2015; Naito et al. 2017; Motomura 2020). Although the recent molecular phylogenetic study shows that Haemulidae is related to the family Lutjanidae (Betancur-R et al. 2017), the former can be distinguished by presence of pores on ventral surface of lower jaw and scales on suborbital area, and lacking teeth on vomer and palatine (McKay 2001; Shimada 2013).

*Hapalogenys*, a genus traditionally has been placed in Haemulidae (e.g., McKay 2001; Shimada 2013), includes eight valid species (Iwatsuki and Russell 2006; Mohapatra et al. 2013). Although the phylogenetic position of *Hapalogenys* has been confused, the genus is frequently treated as a monotypic family, Hapalogenyidae in recent days (e.g., Mohapatra et al. 2013; Matsunuma et al. 2017; Ji et al. 2020; Wada 2020). Moreover, the genus is suggested as being phylogenetically related closer to the genera *Datonioides* and *Lobotes* (Betancur-R et al. 2017; Gill and Leis 2019) than genera included in Haemulidae. Although McKay (2001) suggested the close relationship between *Hapalogenys* and Dinopercidae, a family comprised by two species, *Centrarchops atlanticus* (Reinchenow, 1877) (distributed in eastern Atlantic) and *Dinoperca petersi* (Day, 1875) (western Indian Ocean; Heemstra and Hecht 1986), the relationship is still unclear. Species-level taxonomy of *Hapalogenys* is also well-researched, several new species have been described and taxonomic status of some nominal species were changed recently (Iwatsuki et al. 2000a, b; Iwatsuki and Nakabo 2005; Iwatsuki and Russell

2006; Mohapatra et al. 2013). For future taxonomic studies, a list of specimens of the two families deposited in the Department of Zoology, The University Museum, The University of Tokyo, including 16 and four haemulid and hapalogenyid species, respectively, is given below.

## Materials and Methods

Specimens of Haemulidae and Hapalogenyidae in the Department of Zoology, The University Museum, The University of Tokyo (abbreviated as ZUMT) were identified during the present study, following McKay (2001) and Shimada (2013). The family placement of the genus *Hapalogenys* and the classification of genera of Haemilidae generally followed Betancur-R et al. (2017) and Parenti (2019) and exceptions are stated in remarks of each species. Contents included in parentheses following registration numbers as follows: [(standard length (in mm); specimen counts (if plural specimens included in the lot); collection locality; collection date; collector; some remarks (if available)]. Collection data of specimens are omitted when matching that of immediately following specimens.

The ZUMT specimens listed herein were stored in the Room 407 in the building of the museum. Most were stored in containers on shelves, although larger haemulid [ZUMT 62196, 62197, ZUMT ABE 3770, 60-1636, 62-1065 (*Diagramma pictum pictum*), ZUMT ABE 3719 (*Plectorhinchus albovittatus*), ZUMT ABE 2859, 3937 (*Plectorhinchus chaetodonoides*), ZUMT ABE 2848, 2915 (*Plectorhinchus chrysotaenia*), ZUMT 31503, 50526, 51538 (*Plectorhinchus cinctus*), 49156 (*Plectorhinchus flavomaculatus*), ZUMT 62184, ZUMT ABE 2928 (*Plectorhinchus lineatus*), ZUMT 62186 (*Plectorhinchus picus*)], and ZUMT ABE 2991 (*Pomadasys argenteus*) and hapalogenyid specimens [ZUMT 26333, 26337, 26338 (*Hapalogenys kishinouyei*), 11444, 31502, 47988, 50994, 51092, 51094, 51419, 51539, 62204 (*Hapalogenys nigripinnis*), 7916, 19371, 62200, 62201, and 62202 (*Hapalogenys sennin*)] were stored in glass tanks in the same room with the glass lid sealed with a silicon adhesive (as of Dec. 2021). Although some of the ZUMT specimens, collected by Dr. Tokiharu Abe, had not been registered into the ZUMT collection, with collection data of most missing, they are listed herein together with their ZUMT ABE number (number written on the label), in the hope that Dr. Abe's catalog books with collection data will be rediscovered in the future. Additionally, specimens with catalogue number ZUMT ABE 2700 to 6000 are recognized as specimens collected from Palau on 1930's (third author's observation).

## Results

In the ZUMT fish collection, deposition of 201 lots with 239 specimens of 16 species of haemulids and 106 lots with 107 specimens of four species of hapalogenyids were confirmed. Based on Dr. Abe's collection, three species of haemulids (*Plectorhinchus lessonii*, *P. vittatus*, *Pomadasys argenteus*), were observed as the first specimen-based records of these species from Palau.

## Species accounts

### Family Haemulidae

#### *Diagramma pictum pictum* (Thunberg, 1792) コロダイ

#### JAPAN

**TOKYO MARKET** ZUMT 11824 (78.2 mm), ZUMT 11829 (88.3 mm), ZUMT 11830 (94.2 mm), ZUMT 11832 (91.8 mm; obtained at Tokyo Market, Tokyo Met.)

**HYOGO PREF.** ZUMT 26835 (77.2 mm; Fukura, Minamiawaji City, Awaji-shima Island; 5 Mar. 1912; coll. by R. Uchimura)

**WAKAYAMA PREF.** ZUMT 8138 (80.1 mm; probably collected from Wakayama Pref.; coll. by I. Hoshino at Hiro, Hirokawa Town)

ZUMT 9580 (87.0 mm), ZUMT 9581 (89.6 mm; probably Wakayama Pref.; coll. by N. Ui at Tanabe City)

ZUMT 20569 (53.9 mm; Wakayama Pref.; Jan. 1920)

ZUMT 41019 (87.6 mm; Tatsugahama, Minoshima, Arida City; 20 Nov. 1941; coll. by M. Inoue)

ZUMT 40219 (62.5 mm; probably collected from Wakayama Pref.; coll. by K. Nakanishiki at Wakayama Pref.)

ZUMT 44467 (68.6 mm; Wakayama Pref.)

**KAGAWA PREF.** ZUMT 44468 (63.4 mm), ZUMT 44469 (87.6 mm; Marugame City)

**EHIME PREF.** ZUMT 28301 (51.0 mm), ZUMT 40222 (50.0 mm), ZUMT 40224 (53.0 mm), ZUMT 40225 (54.1 mm; probably collected from Ehime Pref.; donated from D. Tanaka at Saijo City)

**KOCHI PREF.** ZUMT 39168 (35.4 mm; probably Ukitsu, Muroto City)

**SAGA PREF.** ZUMT 6349 (44.3 mm; probably Saga Pref.; coll. by I. Kanekasu at Ogi Junior High School)

**NAGASAKI PREF.** ZUMT 2324 (126.1 mm; Nagasaki Pref.; 27 June 1909)

ZUMT 43488 (16 specimens, 28.4–57.0 mm), ZUMT 43565 (33.3 mm), ZUMT 43567 (28.4 mm), ZUMT 43568 (39.9 mm; Nagasaki Pref.; Feb. 1912)

ZUMT 43741 (34.6 mm), ZUMT 62608 (86.3 mm), ZUMT 62209 (84.1 mm; Nagasaki Pref.)

ZUMT 52059 (142.1 mm; obtained at Nagasaki Fish Market; 1957)

**OITA PREF.** ZUMT 2809 (47.8 mm; Nakatsu City; Aug. 1910)

**KAGOSHIMA PREF.** ZUMT 12323 (83.1 mm; obtained at Kagoshima Fish Market; 18 Mar. 1920)

ZUMT 24141 (78.1 mm; Arata, Kagoshima City)

**OKINAWA PREF.** ZUMT 11159 (40.1 mm; probably Okinawa Pref.; coll. by S. Sakaguchi at Okinawa Prefectural Daiichi Junior High School)

#### EAST CHINA SEA

ZUMT 51040 (178.9 mm; East China Sea; Dec. 1958)

## TAIWAN

ZUMT 5189 (117.6 mm), ZUMT 40284 (88.5 mm), ZUMT 40285 (83.5 mm; Yilan County; Sept. 1896; coll. by K. Tada)  
ZUMT 62208 (169.1 mm; obtained at Ximending Market, Taipei City; 17 Oct. 1930)

## PALAU

ZUMT ABE 3008 (150.5 mm), ZUMT ABE 3770 (286.1 mm), ZUMT ABE 4068 (105.7 mm; Palau)

## INDONESIA

ZUMT 62620 (151.8 mm; Jakarta, Java; 5 Mar. 1909; coll. by I. Iijima and K. Aoki)

## LOCALITY UNKNOWN

ZUMT 26742 (45.2 mm), ZUMT 27947 (41.6 mm), ZUMT 62196 (225.1 mm), ZUMT 62197 (213.3 mm), ZUMT ABE 60-1636 (222.6 mm), ZUMT ABE 61-1065 (210.5 mm; no data)

**Remarks.** See Johnson et al. (2001) about the nomenclature and classification of this subspecies.

## *Parapristipoma trilineatum* (Thunberg, 1793) イサキ

## JAPAN

**TOKYO MARKET** ZUMT 6739 (120.4 mm), ZUMT 11835 (57.4 mm; obtained at Tokyo Market, Tokyo Met.)

ZUMT 26378 (183.4 mm), ZUMT 26379 (173.8 mm; obtained at Tokyo Market; June 1929; coll. by I. Tomiyama)

**KANAGAWA PREF.** ZUMT 30079 (115.9 mm), ZUMT 30080 (119.8 mm; Hayama Town; Aug. 1934)

ZUMT 34280 (129.8 mm; Misaki, Miura City)

ZUMT 55643 (100.9 mm), ZUMT 55644 (98.8 mm), ZUMT 55645 (106.8 mm; obtained at Misaki Fish Market, Miura City; 29 July 1986)

**SHIZUOKA PREF.** ZUMT 6007 (98.5 mm; Shizuura, Numazu City; Feb. 1915; coll. by K. Hattori)

ZUMT 26663 (23.6 mm), ZUMT 26664 (21.0 mm), ZUMT 26665 (21.4 mm), ZUMT 26666 (18.1 mm), ZUMT 26667 (18.1 mm), ZUMT 33849 (38.1 mm), ZUMT 33869 (34.6 mm; Shizuura, Numazu City)

ZUMT 40181 (96.9 mm; probably collected from Shizuoka Pref.; donated from Shizuoka Normal School in Shizuoka City)

**TOYAMA PREF.** ZUMT 45105 (79.4 mm; Uozu or Namerikawa City; June 1932; coll. by I. Tomiyama)

**KYOTO PREF.** ZUMT 24358 (104.0 mm; Miyazu City.; Nov. 1931; coll. by Kyoto Prefectural Fisheries Training Center)

**HYOGO PREF.** ZUMT 7413 (76.7 mm; Moroyose, Shin'onsen Town; coll. by Y. Yamadori)  
ZUMT 23659 (38.0 mm; Hamasaka City; Aug. 1930; coll. by T. Kamohara)  
ZUMT 42940 (47.5 mm), ZUMT 44514 (63.7 mm; Sumoto City, Awaji-shima Island)

**WAKAYAMA PREF.** ZUMT 8002 (50.2 mm; probably collected from Wakayama Pref.; coll. by N. Ui at Tanabe City)

**SHIMANE PREF.** ZUMT 31289 (154.6 mm; Matsue City)

**YAMAGUCHI PREF.** ZUMT 27065 (131.8 mm; Yamaguchi Pref.; 7 June 1934)

**NAGASAKI PREF.** ZUMT 2286 (96.1 mm; Nagasaki Pref.; 27 June 1909)

ZUMT 12873 (154.7 mm; Kaba-shima Island, Nagasaki City)

ZUMT 31959 (106.3 mm; Nagasaki Pref.)

ZUMT 48036 (204.1 mm; Hirado City, Hirado Island; 29 May 1953; coll. by I. Tomiyama)

**KAGOSHIMA PREF.** ZUMT 44492 (70.4 mm; Kagoshima Pref.; Aug. 1930; coll. by I. Tomiyama)

**PRECISE LOCALITY UNKNOWN** ZUMT 27928 (63.7 mm), ZUMT 27929 (55.4 mm; probably southern Japan)

#### **TAIWAN**

ZUMT 2163 (2 specimens, 169.1–185.6 mm; Keelung)

#### **LOCALITY UNKNOWN**

ZUMT 46430 (155.2 mm), ZUMT 46536 (126.8 mm), ZUMT-ABE 61-923 (125.1 mm; no data)

ZUMT 37726 (123.6 mm; locality unknown; coll. by S. Saito)

ZUMT 62589 (227.0 mm; locality unknown, stored with a paper written “occurred in 尾榮”; 18 Jan. 1980)

### ***Plectorhinchus albovittatus* (Rüppell, 1838)    ダイダイコシヨウダイ**

#### **JAPAN**

ZUMT 60244 [69.6 mm; estuary of Omija-gawa River, Iriomote-jima Island, Yaeyama Islands, Ryukyu Archipelago; 20 Aug. 1989]

#### **PHILIPPINES**

ZUMT 42211 (107.3 mm; Philippines; 1926; coll. by U. Yamamura)

#### **PALAU**

ZUMT ABE 3719 (220.3 mm; Palau)

*Plectorhinchus chaetodonoides* Lacepède, 1801 チョウチョウコシヨウダイ

**PALAU**

ZUMT ABE 2859 (324.6 mm), ZUMT ABE 3937 (235.4 mm; Palau)

**PHILIPPINES**

ZUMT 42313 (93.3 mm; Philippines; 1926; coll. by U. Yamamura)

*Plectorhinchus chrysotaenia* (Bleeker, 1855) ニジコシヨウダイ

**PALAU**

ZUMT ABE 2848 (309.9 mm), ZUMT ABE 2915 (287.5 mm; Palau)

*Plectorhinchus cinctus* (Temminck & Schlegel, 1843) コシヨウダイ

**JAPAN**

**YAMAGATA PREF.** ZUMT 35935 (30.8 mm; Sakata Port, Sakata City; 16 Aug. 1936)

ZUMT 36380 (84.9 mm; Sakata Port, Sakata City)

**FUKUSHIMA PREF.** ZUMT 34071 (81.2 mm; probably collected from Fukushima Pref.;  
donated from H. Kakuta at Onahama, Iwaki City)

**TOKYO MARKET** ZUMT 11834 (44.3 mm; obtained at Tokyo Market, Tokyo Met.)

ZUMT 26357 (121.4 mm; obtained at Tokyo Market; 1929)

**SHIZUOKA PREF.** ZUMT 10972 (75.7 mm; Hamana-ko Lake; coll. by T. Sasaki)

**NIIGATA PREF.** ZUMT 24455 (112.7 mm; Niigata Pref.)

**TOYAMA PREF.** ZUMT 41238 (134.2 mm), ZUMT 41241 (141.8 mm), ZUMT 41242 (161.3  
mm), ZUMT 41243 (134.6 mm), ZUMT 41244 (140.0 mm), ZUMT 41323 (122.2 mm;  
Uozu or Namerikawa City; coll. by I. Tomiyama)

**KYOTO PREF.** ZUMT 62189 (72.4 mm; Hatta, Maizuru; 10 Sept. 1911)

**HYOGO PREF.** ZUMT 7426 (52.9 mm; Takasago City; coll. by Y. Yamadori)

ZUMT 44553 (24.9 mm; Sumoto City, Awaji-shima Island)

**WAKAYAMA PREF.** ZUMT 18117 (68.0 mm; probably collected from Wakayama Pref.; coll.  
by I. Hoshino at Kainan Junior High School)

ZUMT 21716 (91.7 mm; Wakayama Pref.; Feb. 1905)

ZUMT 21996 (58.2 mm; Wakayama Pref.; Jan. 1920)

**SHIMANE PREF.** ZUMT 31503 [ca. 417.0 mm SL (bisected into front and back); probably  
collected from Shimane Pref.; donated from R. Yamai at Matsue High School)

**KOCHI PREF.** ZUMT 33960 (38.9 mm; Kochi Pref.; 8 Apr. 1904; coll. by S. Tanaka)

**FUKUOKA PREF.** ZUMT 35002 (136.3 mm; Ariake Sea, Okinohata, Yanagawa City; 28 May 1931)  
ZUMT 35564 (142.4 mm), ZUMT 35565 (113.9 mm; Ariake Sea, Okinohata, Yanagawa  
City; Oct. 1931; coll. by I. Tomiyama)

ZUMT 62209 (82.4 mm; Fukuoka Pref.; 25 Aug. 1931)

**NAGASAKI PREF.** ZUMT 5066 (143.0 mm; Nagasaki Pref.; 3 Oct. 1909; coll. by I. Kaneko)  
**OITA PREF.** ZUMT 7400 (87.2 mm; probably collected from Oita Pref.; donated from K. Suito at Oita Prefectural Saeki Junior High School)

ZUMT 16550 (58.6 mm; Oita City; coll. by Y. Yamamoto)

**KAGOSHIMA PREF.** ZUMT 23845 (125.6 mm), ZUMT 23846 (113.6 mm), ZUMT 24078 (90.4 mm), ZUMT 24079 (95.6 mm; Taniyama, Kagoshima City)

ZUMT 24012 (75.1 mm), ZUMT 24013 (79.3 mm), ZUMT 24014 (62.5 mm; Shibushi City)

ZUMT 25236 (126.4 mm), ZUMT 25279 (100.0 mm; Yamaguchi Pref.; coll. by M. Nagatomi)

ZUMT 33729 (86.0 mm), ZUMT 33730 (74.9 mm), ZUMT 33731 (72.7 mm), ZUMT 33732 (54.2 mm; probably collected from Kagoshima Pref.; donated from T. Arii at Sendai Junior High School)

**PRECISE LOCALITY UNKNOWN** ZUMT 34784 (67.6 mm), ZUMT 34797 (61.4 mm; Japan)

#### **TAIWAN**

ZUMT 62210 (188.8 mm), ZUMT 62211 (186.4 mm; obtained at Tamsui Fish Market, Taipei City; 3 Mar. 1931)

#### **CHINA**

ZUMT 41146 (112.7 mm; Guangdong Province)

ZUMT 51538 [193.5 mm; East China Sea, east of Zhoushan City, Zhejiang Province (30°45'N–30°15'N, 124°15'E); 1 Apr. 1960]

#### **EAST CHINA SEA**

ZUMT 50526 (220.0 mm; East China Sea; 18 Apr. 1959; coll. by Y. Tominaga)

#### **LOCALITY UNKNOWN**

ZUMT 26743 (69.4 mm), ZUMT 26762 (78.7 mm), ZUMT 26763 (64.4 mm; no data)

ZUMT 62188 [135.9 mm; no data (tagged “094”)]

*Plectorhinchus flavomaculatus* (Cuvier, 1830) オシヤレコシヨウダイ

#### **JAPAN**

ZUMT 21895 (3 specimens, 85.5–88.0 mm; obtained at Tokyo Market, Tokyo Met.)

ZUMT 49156 (251.8 mm; Joga-shima Island, Misaki, Miura City, Kanagawa Pref.; 1956; coll. by I. Tomiyama)

**Remarks.** ZUMT 49156 was reported by Hata and Koeda (2021) as the first record of the species from Sagami Sea.

*Plectorhinchus gibbosus* (Lacepède, 1802) クロコシヨウダイ

**PHILIPPINES**

ZUMT 14631 (59.5 mm; Philippines)

ZUMT 42343 (126.2 mm; Basilan; 1926; coll. by U. Yamamura)

*Plectorhinchus picus* (Cuvier, 1828) アジアコシヨウダイ

**JAPAN**

ZUMT 29744 (61.8 mm; Misaki, Miura City, Kanagawa Pref.)

ZUMT 62186 (382.4 mm; Ogasawara Islands; 1913)

*Plectorhinchus lessonii* (Cuvier, 1830) ヒレグロコシヨウダイ  
(Fig. 1A)

**JAPAN**

ZUMT 13731 [173.3 mm; Itoman City (Okinawa-jima Island, Ryukyu Archipelago); Aug. 1921; coll. by C. Gusukuma]

ZUMT 16937 [147.4 mm; Itoman City (Okinawa-jima Island, Ryukyu Archipelago); coll. by S. Tanabe]

**PALAU**

ZUMT ABE 4069 (153.8 mm; Palau)

*Plectorhinchus lineatus* (Linnaeus, 1758) アヤコシヨウダイ

**JAPAN**

ZUMT 14696 (238.9 mm; Yaeyama Islands, Ryukyu Archipelago)

ZUMT 17259 [47.3 mm; Unten, Nakijin Village (Okinawa-jima Island, Ryukyu Archipelago)]

**PALAU**

ZUMT ABE 2928 (325.0 mm; Palau)

**LOCALITY UNKNOWN**

ZUMT 62184 (276.3 mm; no data)



*Plectorhinchus vittatus* (Linnaeus, 1758) ムスジコシヨウダイ  
(Fig. 1B)

**PHILIPPINES**

- ZUMT 11048 (120.9 mm), ZUMT 11049 (134.3 mm; Philippines; collected by U. Yamamura)  
ZUMT 14595 (113.8 mm; Philippines)

**PALAU**

- ZUMT ABE 2868 (181.4 mm; Palau)

*Pomadasys argenteus* (Forsskål, 1775) ホシミゾイサキ  
(Fig. 1C)

**JAPAN**

- ZUMT 13993 (178.6 mm; probably Okinawa-jima Island, Ryukyu Archipelago; coll. by S. Sakaguchi at Okinawa Prefectural Daiichi Junior High School)  
ZUMT 17113 (154.2 mm), ZUMT 17114 (122.8 mm; Baten, Nanjo City, Okinawa-jima Island, Ryukyu Archipelago; coll. by S. Tanabe)  
ZUMT 38902 (142.0 mm), ZUMT 38903 (147.7 mm; Okinawa Pref.)

**PHILIPPINES**

- ZUMT 12680 (218.9 mm; Philippines; coll. by U. Yamamura)  
ZUMT 40773 (111.6 mm; Manila, Luzon; 11 Sept. 1909; coll. by I. Iijima and K. Aoki)  
ZUMT 42248 (158.2 mm; Philippines; 11 Feb. 1909; coll. by I. Iijima and K. Aoki)  
ZUMT 42315 (185.0 mm; Basilan; 1926; coll. by U. Yamamura)

**PALAU**

- ZUMT ABE 2991 (259.9 mm), ZUMT ABE 4071 (72.7–118.1 mm; 13 specimens), ZUMT ABE 4072 (85.0–106.5 mm; 9 specimens; Palau)

*Pomadasys kaakan* (Cuvier, 1830) カガヤキミゾイサキ

**TAIWAN**

- ZUMT 2500 (155.8 mm; obtained at Kaohsiung Market; Sept. 1908; coll. by K. Akamatsu)  
ZUMT 14993 (129.1 mm; Tainan; coll. by T. Aoki)  
ZUMT 62550 (174.1 mm), ZUMT 62551 (167.0 mm; obtained at Tamsui Fish Market, Taipei City; 8 Mar. 1931)  
ZUMT 62552 (112.9 mm), ZUMT 62553 (104.9 mm), ZUMT 62554 (120.5 mm; obtained at Tamsui Fish Market, Taipei City; 3 Mar. 1931)

**CHINA**

ZUMT 41153 (104.2 mm), ZUMT 41154 (108.3 mm; Guangdong Province)

**PHILIPPINES**

ZUMT 42358 (179.4 mm; Basilan; 1926; coll. by U. Yamamura)

**LOCALITY UNKNOWN**

ZUMT 62555 (154.2 mm; no data)

*Pomadasys maculatus* (Bloch, 1793) マダラミゾイサキ

**TAIWAN**

ZUMT 2180 (118.2 mm; Tainan)

ZUMT 4811 (78.0 mm; Keelung)

ZUMT 14878 (91.8 mm), ZUMT 14879 (89.5 mm), ZUMT 14880 (118.9), ZUMT 14881 (95.2 mm; Tainan; coll. by T. Aoki)

**PHILIPPINES**

ZUMT 39590 (86.2 mm; Philippines; coll. by U. Yamamura)

ZUMT 40781 (125.1 mm), ZUMT40800 (109.4 mm; Manila, Luzon; 11 Feb. 1909; coll. by I. Iijima and K. Aoki)

**INDONESIA**

ZUMT 62631 (102.9 mm; Jakarta, Java; 5 Mar. 1909; coll. by I. Iijima and K. Aoki)

*Pomadasys quadrilineatus* Shen & Lin, 1984 スジミゾイサキ

**TAIWAN**

ZUMT 62564 (102.9 mm; obtained at Ximending Market, Taipei City; 16 Oct. 1930)

**Family Hapalogenyidae**

*Hapalogenys analis* Richardson, 1845 セトダイ

**JAPAN**

**HYOGO PREF.** ZUMT 42941 (62.3 mm), ZUMT 42942 (66.8 mm), ZUMT 44551 (91.1 mm; Sumoto City, Awaji-shima Island)

**WAKAYAMA PREF.** ZUMT 7495 (144.2 mm; probably collected from Wakayama Pref.; coll. by I. Hoshino at Hiro, Arida City)

**SHIMANE PREF.** ZUMT 31515 (138.8 mm; probably collected from Shimane Pref.; donated from R. Yanai at Matsue High School)

**YAMAGUCHI PREF.** ZUMT 11449 (120.2 mm; Shimonoseki City; coll. by T. Kumada)  
**KOCHI PREF.** ZUMT 17631 (123.6 mm; off Kochi Pref.; 21 May 1927; coll. by Y. Yamamoto)  
**FUKUOKA PREF.** ZUMT 26340 (139.4 mm; Ariake Sea, Okinohata, Yanagawa City; Oct. 1931; coll. by I. Tomiyama)  
ZUMT 49816 (116.9 mm), ZUMT 49836 (153.7 mm; obtained at Fukuoka Fish Market; 28 July 1959)  
ZUMT 62205 (142.7 mm; Fukuoka Pref., Japan; 27 Aug. 1931)  
**ARIAKE SEA** ZUMT 26602 (120.2 mm), ZUMT 26603 (123.7 mm), ZUMT 26605 (111.9 mm), ZUMT 26606 (117.9 mm), ZUMT 26607 (127.7 mm; Ariake Sea; Oct. 1931; coll. by I. Tomiyama)  
**NAGASAKI PREF.** ZUMT 6652 (104.2 mm; Nagasaki Pref.; Oct. 1915; coll. by I. Kaneko)  
ZUMT 33532 (50.0 mm; Nagasaki Pref.)  
ZUMT 47997 (115.4 mm; obtained at Sasebo Fish Market, Sasebo City; 28 May 1953; coll. by I. Tomiyama)

## **KOREA**

ZUMT 26604 [115.6 mm; Korea (obtained at Tokyo Market, Tokyo Met., Japan)]

## **CHINA**

ZUMT 21225 (110.9 mm; China)  
ZUMT 54503 (45.7 mm), ZUMT 54504 [90.1 mm; east of Yancheng City, Jiangsu Province, Yellow Sea (34°15'N 122°10'E), depth 25 m; 12 Oct. 1984; coll. by *RV 8th Ten-yo maru*]  
ZUMT 54472 [136.5 mm; east of Nantong City, Jiangsu Province, East China Sea (32°35'N 122°40'E), depth 23 m; 11 Oct. 1984; coll. by *RV 8th Ten-yo maru*]

## **EAST CHINA SEA**

ZUMT 50548 (159.0 mm), ZUMT 50549 (158.9 mm; East China Sea; 28 July 1959)  
ZUMT 51093 (130.2 mm), ZUMT 51106 (79.0 mm; East China Sea; Dec. 1959)  
ZUMT 51540 (58.8 mm), ZUMT 51541 (110.7 mm), ZUMT 51544 (86.9 mm), ZUMT 51561 (78.5 mm), ZUMT 51608 (73.6 mm), ZUMT 51655 (76.6 mm), ZUMT 51656 (70.1 mm), ZUMT 51657 (56.0 mm), ZUMT 51572 (72.2 mm; East China Sea; 28 Mar. Apr. 1960)  
ZUMT 51695 [80.0 mm; East China Sea, east of Zhoushan City, Zhejiang Province (30°45'N–30°15'N, 124°15'E); Apr. 1960]  
ZUMT 51738 (98.8 mm), ZUMT 51764 (84.1 mm), ZUMT 51765 (86.1 mm), ZUMT 51766 (79.5 mm), ZUMT 51767 (69.9 mm), ZUMT 51816 (74.4 mm), ZUMT 51817 (75.8 mm), ZUMT 51818 (89.8 mm), ZUMT 51819 (73.8 mm), ZUMT 51820 (80.4 mm), ZUMT 51821 (86.7 mm), ZUMT 52336 (129.4 mm), ZUMT 52337 (108.6 mm; East China Sea)  
ZUMT 52245 (92.5 mm; East China Sea; 5 May 1960)  
ZUMT 62185 [107.0–115.3 mm; 2 specimens; East China Sea (obtained at Fukuoka Fish Market), 22 Mar. 1963]

## LOCALITY UNKNOWN

ZUMT 46429 (132.0 mm), ZUMT 62206 (139.1 mm; no data)

### *Hapalogenys kishinouyei* Smith & Pope, 1906 シマセトダイ

## JAPAN

ZUMT 6551 (103.6 mm; Nagasaki Pref.; Sept. 1915; coll. by I. Kaneko)

ZUMT 7335 (81.1 mm), ZUMT 33533 (44.2 mm; Nagasaki Pref.; coll. by I. Kaneko)

ZUMT 19990 (68.0 mm; Kagoshima Pref.)

ZUMT 44552 (65.0 mm; Sumoto City, Awaji-shima Island, Hyogo Pref.)

## KOREA

ZUMT 26338 [154.5 mm; Korean Peninsula (obtained at Tokyo Market, Tokyo Met., Japan)]

## TAIWAN

ZUMT 26337 (182.7 mm; Taipei City)

## EAST CHINA SEA

ZUMT 51047 (99.0 mm; East China Sea; Dec. 1959)

### *Hapalogenys nigripinnis* (Temminck & Schlegel, 1843) ヒゲソリダイ

## JAPAN

**YAMAGATA PREF.** ZUMT 62183 (164.9 mm; Sakata City; 17 July 1933)

**TOKYO MARKET** ZUMT 26335 (165.4 mm; obtained at Tokyo Market, Tokyo Met.; 1929)

**NIIGATA PREF.** ZUMT 24457 (170.1 mm; Niigata Pref.)

ZUMT 26601 (168.3 mm; Kashiwazaki City)

**WAKAYAMA PREF.** ZUMT 7494 (156.1 mm; probably collected from Wakayama Pref. (donated from I. Hoshino at Hiro, Hirokawa Town))

**OKAYAMA PREF.** ZUMT 16438 (112.0 mm), ZUMT 16515 (150.6 mm; Kanaura, Kasaoka City; coll. by K. Matsushima)

**SHIMANE PREF.** ZUMT 31502 [ca. 345.6 mm SL (bisected into front and back); probably collected from Shimane Pref.; donated from R. Yanai at Matsue High School]

**YAMAGUCHI PREF.** ZUMT 11444 (185.5 mm; Shimonoseki; coll. by T. Kumada)

**FUKUOKA PREF.** ZUMT 26336 (138.3 mm; Okinohata, Yanagawa City; Oct. 1931; coll. by I. Tomiyama)

**NAGASAKI PREF.** ZUMT 47988 (200.1 mm), ZUMT 47989 (166.0 mm; Obtained at Sasebo Fish Market; 28 May, 1953; coll. by I. Tomiyama)

## CHINA

ZUMT 51539 [198.3 mm; East China Sea, east of Zhoushan City, Zhejiang Province (30°45'N–30°15'N, 124°15'E); 1 Apr. 1960]

## EAST CHINA SEA

ZUMT 50994 (223.6 mm), ZUMT 51094 (158.1 mm), ZUMT 51419 (145.5 mm; East China Sea; Sept. 1959)

ZUMT 51092 (291.1 mm; East China Sea, Dec. 1959)

## LOCALITY UNKNOWN

ZUMT 26341 (156.6 mm), ZUMT 62171 (102.5 mm), ZUMT 62204 (177.1 mm), ZUMT 46408 (130.5 mm; no data)

## *Hapalogenys sennin* Iwatsuki & Nakabo, 2005 ヒゲダイ

## JAPAN

**TOKYO MARKET** ZUMT 3885 (181.9 mm), ZUMT 26334 (138.9 mm; obtained at Tokyo Market, Tokyo Met.)

ZUMT 26333 (174.1 mm; obtained at Tokyo Market; 1929)

**IZU ISLANDS** ZUMT 19371 (246.7 mm; Hachijo-jima Island; donated from Y. Oshizu)

**CHIBA PREF.** ZUMT 24167 (91.1 mm; Kamogawa City)

**MIE PREF.** ZUMT 7916 (177.4 mm; probably collected from Mie Pref.; donated from O, Taniguchi at Momotori, Toba City)

**WAKAYAMA PREF.** ZUMT 22015 (43.9 mm; Wakayama Pref.; Jan. 1920)

**TOYAMA PREF.** ZUMT 26046 (43.8 mm; Toyama Pref.; coll. by K. Kikuchi at Toyama High School)

**FUKUI PREF.** ZUMT 5398 (33.3 mm; Sugitsu, Tsuruga City; 8 Aug. 1911)

**HYOGO PREF.** ZUMT 9865 (36.8 mm; probably coast of Seto Inland Sea in Hyogo Pref.; coll. by Y. Yamadori at Mikage Normal School, Kobe City)

ZUMT 34490 (38.3 mm; Tatsuno City; July 1916; coll. by U. Inugami)

ZUMT 44671 (39.6 mm; Sumoto City, Awaji-shima Island)

**HIROSHIMA PREF.** ZUMT 18491 (141.3 mm; Tadanoumi, Takehara City)

**YAMAGUCHI PREF.** ZUMT 9884 (36.0 mm; Suo-oshima Island; coll. by T. Yamahara)

ZUMT 25320 (42.2 mm; Yamaguchi Pref.)

**FUKUOKA PREF.** ZUMT 35479 (49.5 mm; Okinohata, Yanagawa City; Oct. 1931; coll. by I. Tomiyama)

## LOCALITY UNKNOWN

ZUMT 26740 (38.2 mm), ZUMT 38087 (33.6 mm), ZUMT 39349 (58.2 mm), ZUMT 62200 (170.6 mm), ZUMT 62201 (201.8 mm), ZUMT 62202 (230.3 mm; no data)

**Remarks.** Tanaka (1914) reported ZUMT 3885 as *H. nigripinnis*, the name had long been applied for *H. sennin* (ヒゲダイ) and currently applied for the species long regarded as *Hapalogenys nitens* Richardson, 1844 (ヒゲソリダイ) (Iwatsuki and Nakabo 2005).

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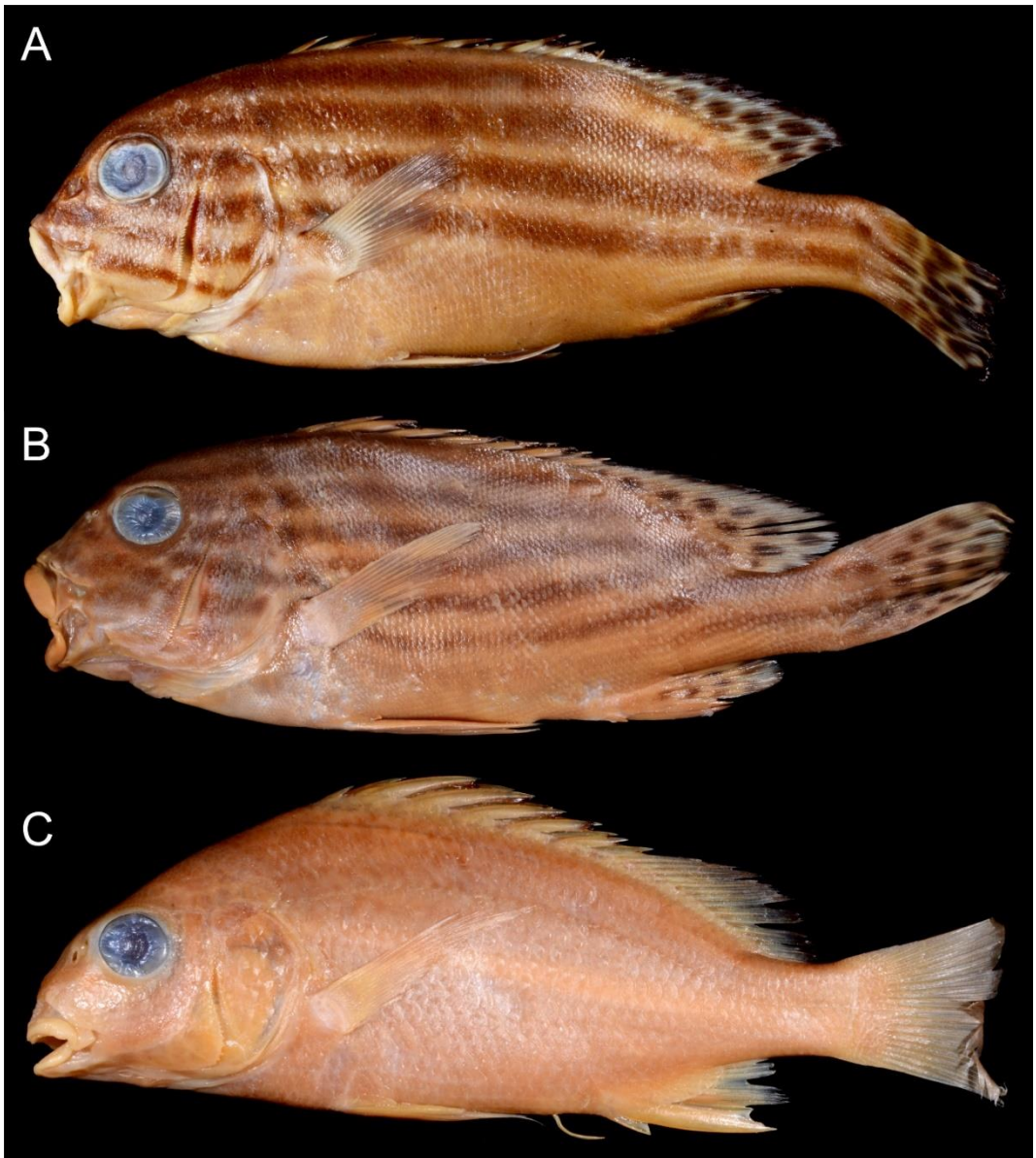


Fig. 1. Specimens of Haemulidae from Palau, deposited in ZUMT. (A) *Plectorhinchus lessonii* [ZUMT ABE 4069, 153.8 mm standard length (SL)]; B, *P. vittatus* (ZUMT ABE 2868, 181.4 mm SL), and C, *Pomadasys argenteus* (ZUMT ABE 4071, 118.1 mm SL).