

Specimens of the family Lutjanidae (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 the family Lutjanidae (excluding species belonging to genera previously included in the family Caesionidae) held in the Department of Zoology, The University Museum, The University of Tokyo is provided. A total of 575 specimens representing 42 species were confirmed, including the holotypes of *Aprion kanekonis* Tanaka, 1914 and *Paracaesio kusakarii* Abe, 1960, and paratypes of *Lutjanus stellatus* Akazaki, 1983, *P. kusakarii*, and *Paracaesio sordida* Abe & Shinohara, 1962.

Introduction

The snappers, included within the primarily marine family Lutjanidae, are distributed globally in warm waters (Allen and Talbot 1985; Allen 1985). Although the family has long been included in Perciformes (e.g., Matsubara 1955; Allen and Talbot 1985; Allen 1985; Anderson and Allen 2001; Shimada 2013a), it is now included in Lutjaniformes, together with Haemulidae, also previously included in Perciformes (Betancur-R et al. 2017). Moreover, species formerly included in the family Caesionidae (e.g., Carpenter 1987, 2001; Shimada 2013b), are now also included in the Lutjanidae (Betancur-R et al. 2017).

The family Lutjanidae includes many large-sized species, prized for their taste, with many being commercially important (Allen and Talbot 1985; Allen 1985; Anderson and Allen 2001; Yoshida 2013; Motomura et al. 2017; Iwatsuki 2018; Tanaka 2019). In Japan, many large-bodied lutjanid fishes, such as *Etelis coruscans* Valenciennes, 1862, *Paracaesio caerulea* (Katayama, 1934), and *Pristipomoides sieboldii* (Bleeker, 1855), are eaten and command high prices in markets (TMGMIB 2017; Koeda 2022).

Despite the commercial importance of lutjanids, the species-level taxonomy of the family remains confused, with many cryptic species still being found (White and Last 2012; Iwatsuki et al. 2015, 2016; Shimose et al. 2020; Shimose 2021). Moreover, distributional range extensions of lutjanid species are still frequently reported in Japan (e.g., Koeda et al. 2014; Jeong et al., 2015; Hata et al. 2017; Wada and Motomura 2019; Hibino and Nagano 2020; Sato et al. 2021). A list of specimens of Lutjanidae, comprising 42 species (excluding those previously included in Caesionidae) and deposited in the Department of Zoology, The University Museum, The University of Tokyo, is given below to aid future taxonomic studies and clarify some distributional records.

Materials and Methods

Specimens of Lutjanidae in the Department of Zoology, The University Museum, The University of Tokyo (abbreviated as ZUMT) were identified following Allen and Talbot (1985), Allen (1985), Kishimoto et al. (1987), Anderson and Allen (2001), Shimada (2013a), Shimose et al. (2020), and Nakagawa et al. (2022). Contents included in parentheses following registration numbers are as follows: number of specimens (if more than 1), standard length, collection locality, collection date, and collector. Collection data of specimens are omitted if the same as that for the previous specimen. Although species treated as members of the family Caesionidae by

previous studies have been recently included in Lutjanidae (e.g., Betancur-R et al. 2017), those belonging to genera included in Caesionidae by Carpenter (1987) are not listed.

The ZUMT specimens listed herein were primarily stored in Room 406 (specimen storage room), with additional specimens in Room 407 (including types and S. Tanaka specimens), in the museum building. Most were stored in shelved containers, although some larger specimens were stored in a glass tank (labelled “Lutjanidae”) in the same room, with the glass lid sealed with a silicon adhesive (as of June 2022). Although some of the ZUMT specimens, collected by Dr. Tokiharu Abe, had not been registered into the ZUMT collection, with the collection data of most missing, they are listed herein together with their ZUMT ABE number (number with underbar written on the specimen label), in the hope that Dr Abe’s catalog books with collection data will be rediscovered in the future. Additionally, specimens with catalogue numbers ZUMT ABE 2700 to 6000 were collected from Palau by Dr. Abe between 1936 and 1937 (Koeda et al. 2022).

Results

A total of 510 lots with 575 specimens of 42 lutjanid species were confirmed in the ZUMT fish collection, including the holotypes of *Aprion kanekonis* Tanaka, 1914 [regarded as a junior synonym of *P. filamentosus* (Valenciennes, 1830); Allen 1985], *Paracaesio kusakarii* Abe, 1960, and *Paracaesio sordida* Abe & Shinohara, 1962 and paratypes of *Lutjanus stellatus* Akazaki, 1983, *P. kusakarii*, and *P. sordida*.

Species accounts

Family Lutjanidae フエダイ科
***Aphareus furca* (Lacepède, 1801) イシフエダイ**

JAPAN

ZUMT 6785 (127.4 mm; obtained at Tokyo Market, Tokyo Met.)

ZUMT 13939 [148.5 mm; probably collected from Okinawa Pref.; coll. by S. Sakaguchi (Okinawa Prefectural Daiichi Junior High School)]

***Aphareus rutilans* Cuvier, 1830 オオグチイシチビキ**

JAPAN

ZUMT 22683 (87.6 mm; Ajiro, Misaki, Miura City, Kanagawa Pref.; Aug. 1913)

ZUMT 57773 [approx. 153.3 mm (bisected at midbody); Manazuru Port, Manazuru Town, Kanagawa Pref.; Sept. 1979; coll. with set net]

ZUMT ABE 62-23 (164.1 mm; Manazuru Town, Kanagawa Pref.; 1962)

PALAU

ZUMT ABE 5709 (420.3 mm; Palau)

LOCALITY UNKNOWN

ZUMT 63691 (619.0 mm), ZUMT ABE 60-1530 (158.5 mm; no data)

***Aprion virescens* Valenciennes, 1830 アオチビキ**

JAPAN

ZUMT 17282 (252.6 mm; Yaeyama Islands, Okinawa Pref.; coll. by S. Tanabe)

ZUMT 21141 (142.5 mm; probably collected from Mie Pref.; coll. by Mie Normal School)

ZUMT 34149 (226.5 mm; probably collected from Kochi Pref.; coll. by Kochi Prefectural Fisheries Experimental Station)

ZUMT 41634 (187.7 mm), ZUMT 42420 (176.2 mm), ZUMT 42421 (164.8 mm; Nagasaki Pref.)

ZUMT 46615 (156.6 mm; Hachijo-jima Island, Izu Islands)

ZUMT 46727 (141.7 mm; obtained at Tokyo Market, Tokyo Met.)
ZUMT 63025 (180.9 mm), ZUMT 63461 [209.1 mm; Tamanoura, Goto City (Fukue-jima Island, Goto Islands);
1 Dec. 1954]
ZUMT 63460 (165.9 mm; Mera, Minamiizu Town, Shizuoka Pref; 1979)
ZUMT 64268 (109.6 mm; Izu-oshima Island, Izu Islands; 1993)

PALAU

ZUMT ABE 4010 (263.1 mm; Palau)

LOCALITY UNKNOWN

ZUMT 63462 (217.2 mm), ZUMT 63463 (208.9 mm), ZUMT ABE 59-656 (159.4 mm), ZUMT ABE 61-855
(192.9 mm), ZUMT ABE 61-856 (145.2 mm; no data)

Etelis carbunculus Cuvier, 1828 ハチジョウアカムツ

JAPAN

ZUMT 14415 (255.2 mm; Okinawa Pref.; coll. by S. Sakaguchi)
ZUMT 47670 (240.1 mm; Okinawa Pref.; coll. by T. Abe)
ZUMT 47822 (280.8 mm; obtained at Tokyo Market, Tokyo Met.; 18 Feb. 1953)

Etelis coruscans Valenciennes, 1862 ハマダイ

JAPAN

ZUMT 9815 (229.1 mm; Omurodashi Bank, southeast of To-shima Island, Izu Islands; Aug. 1920; coll. by Y.
Okada and K. Aoki)
ZUMT 40411 (181.0 mm; Okinawa Pref.; coll. by S. Sakaguchi)
ZUMT 50533 (260.4 mm; obtained at Kagoshima Fish Market, Kagoshima Pref.; 9 Sept. 1959; coll. by T. Abe)
ZUMT 52593 (161.3 mm; obtained at Naha Fish Market, Okinawa Pref.; 3 June 1966)

PALAU

ZUMT ABE 4240 (221.6 mm; Palau)

Lipocheilus carnolabrum (Chan, 1970) キビレフエダイ

LOCALITY UNKNOWN

ZUMT 63684 (434.5 mm; no data)

Lutjanus argentimaculatus (Forsskål, 1775) ゴマフエダイ

JAPAN

ZUMT 3655 [73.6 mm; probably from Shizuoka Pref.; coll. by T. Saito (Hamamatsu City, Shizuoka Pref.)]
ZUMT 11145 (109.7 mm), ZUMT 28715 (94.7 mm), ZUMT 28716 (68.1 mm; Arakawa, Ishigaki City, Ishigaki-
jima Island, Yaeyama Islands, Ryukyu Archipelago; May 1923; coll. by H. Kuroiwa)
ZUMT 14299 [179.7 mm; probably from Okinawa Pref.; 16 Feb. 1924; coll. by H. Yashiro (Naha Fish Market,
Okinawa Pref.)]
ZUMT 15589 [442.1 mm; Numazu City, Shizuoka Pref. (obtained at Tokyo Fish Market); collected before 1926]
ZUMT 23521 (173.5 mm; Kochi City, Kochi Pref.; 15 Jan. 1931; coll. by T. Kamohara)
ZUMT 28714 (78.4 mm; Arakawa, Ishigaki-jima Island, Yaeyama Islands, Ryukyu Archipelago; May 1923; coll.
by H. Kuroiwa)

ZUMT 58325 [approx. 149.0 mm (bisected at midbody)], ZUMT 58339 (4 specimens, 22.6–34.8 mm), ZUMT 58340 (40.2 mm; Yonada-gawa River estuary, Iriomote-jima Island, Yaeyama Islands, Ryukyu Archipelago; 13 July 1988; casting net, coll. by H. Senou)
ZUMT 58545 (36.0 mm; mangrove area, Urauchi River estuary, Iriomote-jima Island, Yaeyama Islands, Ryukyu Archipelago; 15 July 1988; coll. by H. Senou and M. Aizawa)
ZUMT 58752 (2 specimens, 17.6–19.1 mm; Sukuji-gawa River estuary, Ishigaki-jima Island, Yaeyama Islands, Ryukyu Archipelago; 19 July 1988)

TAIWAN

ZUMT 12383 (57.0 mm; Tamsui River, Xinbei City; coll. by T. Aoki)
ZUMT 25086 (84.4 mm; Taiwan; coll. by M. Imai)

PHILIPPINES

ZUMT 42164 (94.3 mm), ZUMT 42195 (153.2 mm), ZUMT 42196 (102.9 mm), ZUMT 42249 (106.0 mm), ZUMT 42294 (97.2 mm), ZUMT 42295 (150.0 mm; Philippines; 1926; coll. by U. Yamamura)

PALAU

ZUMT ABE 2849 (366.7 mm), ZUMT ABE 2906 (258.6 mm), ZUMT ABE 2932 (180.6 mm), ZUMT ABE 2996 (177.2 mm; Palau; collected between 1936 and 1937)
ZUMT 42742 (119.5 mm; Palau; coll. by Y. Haneda)

SINGAPORE

ZUMT 41036 (62.2 mm; Singapore; 12 Mar. 1910; coll. by I. Iijima and K. Aoki)

Lutjanus bengalensis (Bloch, 1790) ベンガルフエダイ

JAPAN

ZUMT 14719 (101.6 mm), ZUMT 14721 (93.6 mm), ZUMT 14725 (95.6 mm; Yaeyama Islands, Ryukyu Archipelago; coll. by H. Yashiro)
ZUMT 17425 (86.2 mm), ZUMT 17426 (82.9 mm), ZUMT 17427 (86.0 mm; Naha City, Okinawa Pref.; coll. by S. Tanabe)
ZUMT 20520 (119.0 mm; Wakayama Pref.)
ZUMT 23539 (159.3 mm; probably from Okinawa Pref.; July 1928; coll. by Okinawa Prefectural Experimental Station)

PHILIPPINES

ZUMT 11027 (118.8 mm), ZUMT 11058 (143.3 mm), ZUMT 11119 (115.0 mm; Philippines; coll. by U. Yamamura)

LOCALITY UNKNOWN

ZUMT 46383 (138.4 mm), ZUMT 46384 (133.8 mm; no data)

Lutjanus bohar (Fabricius, 1775) バラフエダイ

JAPAN

ZUMT 11239 (183.4 mm), ZUMT 15327 [97.5 mm; probably from Okinawa Pref.; coll. by S. Sakaguchi (Okinawa Prefectural Daiichi Junior High School)]
ZUMT 17336 (114.1 mm; Naha City, Okinawa Pref.; coll. by S. Tanabe)
ZUMT 23917 (249.5 mm; Naya, Kagoshima City, Kagoshima Pref.)
ZUMT 52583 (192.5 mm; obtained at Naze Fish Market, Amami City, Amami-oshima Island, Ryukyu Archipelago; 31 May 1966)

PALAU

ZUMT 63672 (71.8 mm), ZUMT ABE 2952 (253.3 mm), ZUMT ABE 5588 (387.2 mm; Palau; collected between 1936 and 1937)

LOCALITY UNKNOWN

ZUMT 63785 (135.0 mm), ZUMT ABE 12600 (188.6 mm; no data)

Lutjanus decussatus* (Cuvier, 1828) アミメフエダイ*JAPAN**

ZUMT 17302 (124.4 mm; Yaeyama Islands, Ryukyu Archipelago; coll. by S. Tanabe)

PHILIPPINES

ZUMT 11038 (117.0 mm), ZUMT 11067 (119.2 mm), ZUMT 42222 (120.9 mm; Philippines; coll. by U. Yamamura)

ZUMT 40929 (60.0 mm; Jolo Island; Feb. 1909; coll. by I. Iijima and K. Aoki)

Lutjanus fulvus* (Forster, 1801) オキフエダイ*JAPAN****KANAGAWA PREF.**

ZUMT 20962 (47.3 mm; Misaki, Miura City, Kanagawa Pref.)

ZUMT 48619 (81.4 mm; Aburatsubo, Misaki, Miura City, Kanagawa Pref.; 7 Nov. 1955; coll. by I. Tomiyama)

KOCHI PREF.

ZUMT 23495 (89.0 mm; Kochi City; 26 Feb. 1931; coll. by T. Kamohara)

ZUMT 47053 (96.3 mm; probably from Kochi Pref.)

KAGOSHIMA PREF.

ZUMT 20488 (56.7 mm; Yaku-shima Island, Osumi Islands; 10 July 1921; coll. by H. Kuroiwa)

ZUMT 21955 (131.0 mm; Kagoshima Pref.)

ZUMT 29608 (70.5 mm; Naze, Amami City, Amami-oshima Island, Amami Islands, Ryukyu Archipelago; 20 Oct. 1909)

ZUMT 32104 (56.7 mm; Amagi Town, Tokuno-shima Island, Amami Islands, Ryukyu Archipelago)

ZUMT 38150 (74.8 mm; Tokuno-shima Island, Amami Islands, Ryukyu Archipelago; Aug. 1937)

ZUMT 40716 (64.1 mm), ZUMT 40720 (51.6 mm; Amami-oshima Island, Amami Islands, Ryukyu Archipelago)

ZUMT 41157 [69.8 mm; probably from Amami-oshima Island, Amami Islands, Ryukyu Archipelago; coll. by K. Enokiya (Kagoshima Prefectural Oshima Junior High School)]

ZUMT 44440 (39.3 mm; Kominato, Naze, Amami City, Amami-oshima Island, Amami Islands, Ryukyu Archipelago; 29 Aug. 1916; coll. by K. Nagai)

ZUMT 54076 (154.0 mm; Kuji, Setouchi Town, Amami o-shima Island, Amami Islands, Ryukyu Archipelago; 20 May 1966; coll. by Y. Tominaga)

OKINAWA PREF.

ZUMT 8813 (74.0 mm; Yaeyama Islands, Ryukyu Archipelago; coll. by H. Kuroiwa)

ZUMT 11263 [125.7 mm; probably from Okinawa Pref.; coll. by S. Sakaguchi (Okinawa Prefectural Daiichi Junior High School)]

ZUMT 17014 (79.0 mm), ZUMT 17015 (108.2 mm), ZUMT 17023 (88.3 mm; Itoman City, Okinawa-jima Island, Okinawa Islands, Ryukyu Archipelago; coll. by S. Tanabe)

ZUMT 17322 (56.7 mm; Yaeyama Islands, Ryukyu Archipelago; coll. by S. Tanabe)

ZUMT 23555 (65.2 mm; probably from Okinawa Prefecture; coll. by Okinawa Prefectural Fisheries Experimental Station)

ZUMT 58614 (2 specimens, 40.3–63.0 mm, ZUMT 60004 (55.1 mm; Urauchi-gawa River estuary, Iriomote-jima Island, Yaeyama Islands, Ryukyu Archipelago; 16 Aug. 1989; coll. by M. Aizawa)

ZUMT 58745 (20 specimens, 23.2–52.4 mm; Sukuji-gawa River estuary, Ishigaki-jima Island, Yaeyama Islands, Ryukyu Archipelago; 19 July 1988)

ZUMT 60225 (3 specimens, 59.9–73.1 mm; Omija-gawa River estuary, Iriomote-jima Island, Yaeyama Islands; 19 Aug. 1989)

ZUMT 60289 (1, 42.4 mm; Yonada-gawa River estuary, Iriomote-jima Island, Yaeyama Islands; 20 Aug. 1989)

OGASAWARA ISLANDS

ZUMT 45917 (34.4 mm; Ogasawara Islands)

PHILIPPINES

ZUMT 40935 (107.0 mm; Jolo Island, Philippines; Feb. 1902; coll. by I. Iijima and K. Aoki)

ZUMT 41954 (50.0 mm), ZUMT 41955 (52.7 mm), ZUMT 41960 (51.6 mm; Basilan; coll. U. Yamamura)

PALAU

ZUMT 63669 (71.9 mm), ZUMT 63670 (60.9 mm), ZUMT 63671 (65.2 mm), ZUMT 63752 (58.9 mm), ZUMT ABE 2695 (190.0 mm), ZUMT ABE 2714 (168.0 mm), ZUMT ABE 2736 (65.1 mm), ZUMT ABE 2742 (176.9 mm), ZUMT ABE 2820 (181.1 mm), ZUMT ABE 2828 (183.9 mm), ZUMT ABE 2830 (169.6 mm), ZUMT ABE 3400 (122.1 mm), ZUMT ABE 3405 (140.7 mm), ZUMT ABE 3704 (121.1 mm), ZUMT ABE 3705 (121.4 mm), ZUMT ABE 3706 (95.4 mm), ZUMT ABE 3707 (108.0 mm), ZUMT ABE 3708 (102.0 mm), ZUMT ABE 3823 (131.3 mm), ZUMT ABE 3932 (129.5 mm; Palau)

ZUMT 42741 (95.1 mm), ZUMT 42743 (125.2 mm), ZUMT 42744 (112.0 mm; Palau; coll. by Y. Haneda)

LOCALITY UNKNOWN

ZUMT 41156 (49.7 mm), ZUMT 41184 (42.7 mm), ZUMT 43161 (45.7 mm), ZUMT 63777 (61.3 mm), ZUMT 63778 (56.4 mm), ZUMT 63782 (178.3 mm), ZUMT 63786 (197.1 mm), ZUMT ABE 61-1084 (48.6 mm), ZUMT ABE 61-1108 (48.2 mm), ZUMT ABE 61-945 (38.4 mm; no data)

Lutjanus fulviflamma (Forsskål, 1775) ニセクロホシフエダイ

JAPAN

ZUMT 15346 [105.5 mm; probably from Okinawa Pref.; coll. by S. Sakaguchi (Okinawa Daiichi Junior High School)]

ZUMT 17016 (124.0 mm; Itoman City, Okinawa-jima Island, Okinawa Islands, Ryukyu Archipelago; coll. by S. Tanabe)

ZUMT 17374 (86.1 mm), ZUMT 17360 (105.3 mm; Naha City, Okinawa-jima Island, Okinawa Islands, Ryukyu Archipelago; coll. by S. Tanabe)

ZUMT 21059 (101.3 mm; purchased at Naha City, Okinawa Pref.; 29 May 1900; coll. by M. Miyajima)

ZUMT 40347 (103.6 mm), ZUMT 40433 (101.3 mm; Okinawa Pref.; coll. by S. Sakaguchi)

ZUMT 54111 (194.4 mm; Ishigaki-jima Island, Yaeyama Islands, Ryukyu Archipelago)

ZUMT 58460 (18.1 mm; Amitori Bay, Iriomote-jima Island, Yaeyama Islands, Ryukyu Archipelago; 1–3 m depth; 14 July 1988; coll. by H. Senou and M. Aizawa)

ZUMT 58701 (3 specimens, 15.9–22.3 mm; Sukuji Beach, Kabira, Ishigaki-jima Island, Yaeyama Islands, Ryukyu Archipelago; 19 July 1988)

ZUMT 58743 (8 specimens, 20.4–43.4; Sukuji-gawa River estuary, Ishigaki-jima Island, Yaeyama Islands, Ryukyu Archipelago; 19 July 1988)

ZUMT 60711 (15.2 mm; Sukuji, Ishigaki-jima Island, Yaeyama Islands, Ryukyu Archipelago; 29 July 1989)

TAIWAN

ZUMT 18440 (59.5 mm; Keelung City; July 1928; coll. by H. Sato)

PHILIPPINES

ZUMT 25509 (142.2 mm; Philippines; coll. by A. W. C. T. Herre)
ZUMT 40920 (94.0 mm; Jolo Island; Feb. 1909; coll. by I. Iijima and K. Aoki)

PALAU

ZUMT 63651 (84.3 mm), ZUMT 63652 (91.8 mm), ZUMT 63653 (84.4 mm), ZUMT 63654 (102.1 mm),
ZUMT 63655 (97.1 mm), ZUMT 63656 (92.2 mm), ZUMT 63657 (102.0 mm), ZUMT ABE 2696 (240.0
mm), ZUMT ABE 2743 (178.5 mm), ZUMT ABE 2826 (165.6 mm), ZUMT ABE 3711 (125.6 mm), ZUMT
ABE 3712 (123.7 mm), ZUMT ABE 3820 (217.8 mm), ZUMT ABE 3933 (107.5 mm), ZUMT ABE 4012
(109.6 mm), ZUMT ABE 4100 (94.0 mm), ZUMT ABE 5597 (130.8 mm; Palau)

TANIZANIA

ZUMT 52844 (84.1 mm), ZUMT 52845 (75.8 mm), ZUMT 52856 (90.1 mm), ZUMT 52857 (76.9 mm), ZUMT
52858 (79.8 mm; Mkome, Pangani; 19 July 1972)

AFRICAN COAST (tentative)

ZUMT 53002 (66.1 mm; probably from African coast)

LOCALITY UNKNOWN

ZUMT 53309 (65.3 mm; no data; registered as “KT-74-17 1-2”), ZUMT 63682 (120.0 mm; no data)

Lutjanus gibbus (Forsskål, 1775) ヒメフエダイ

JAPAN**IZU ISLANDS**

ZUMT 44278 (35.3 mm; Hachijo-jima Island, Izu Islands; Aug. 1922; coll. by Y. Uchiyama)
ZUMT 64269 (60.4 mm; Izu-oshima Island, Izu Islands; 1993)

KANAGAWA PREF.

ZUMT ABE 544 (54.8 mm; Koajiro, Aburatsubo, Misaki, Miura City, Kanagawa Pref.; 16 Dec. 1935)

CHIBA PREF.

ZUMT 44406 (67.1 mm; probably from Chiba Pref.)

WAKAYAMA PREF.

ZUMT 22649 (92.8 mm; Tanabe City, Wakayama Pref.)

KAGOSHIMA PREF.

ZUMT 18856 (110.9 mm; Kagoshima Pref.)
ZUMT 29609 (71.3 mm; Naze, Amami City, Amami-oshima Island, Amami Islands; Ryukyu Archipelago; 20
Oct. 1909; coll. by Amami-oshima Junior High School)

OKINAWA PREF.

ZUMT 15173 (90.2 mm), ZUMT 15201 [114.4 mm; probably from Okinawa Pref.; coll. by S. Sakaguchi
(Okinawa Prefectural Daiichi Junior High School)]
ZUMT 17238 (69.6 mm), ZUMT 17239 (61.0 mm; Unten Port, Nakijin Village, Okinawa-jima Island, Okinawa
Islands, Ryukyu Archipelago; coll. by S. Tanabe)
ZUMT 17386 (66.3 mm; Naha City, Okinawa Pref.; coll. by S. Tanabe)
ZUMT 58458 (32.6 mm; Amitori Bay, Iriomote-jima Island, Yaeyama Islands, Ryukyu Archipelago; 1–3 m
depth; 14 July 1988; H. Senou and M. Aizawa)

PALAU

ZUMT 63667 (146.2 mm), ZUMT 63668 (94.7 mm), ZUMT ABE 2797 (72.5 mm), ZUMT ABE 2930 (192.3
mm), ZUMT ABE 2931 (215.4 mm), ZUMT ABE 2995 (267.3 mm), ZUMT ABE 3709 (113.3 mm; Palau)

LOCALITY UNKNOWN

ZUMT ABE 48 (2 specimens, 37.0–61.8 mm; no data)

Lutjanus goldiei (Macleay, 1882) ウラウチフエダイ

JAPAN

ZUMT 60061 (46.2 mm), ZUMT 60067 (20.7 mm; mountain stream of Urauchi River, Iriomote-jima Island, Yaeyama Islands, Okinawa Pref.; 17 Aug. 1989)

Lutjanus johnii (Bloch, 1792) カドガワフエダイ

TAIWAN

ZUMT 25167 (75.7 mm; Keelung Port, Keelung City; July 1930; coll. by M. Imai)

LOCALITY UNKNOWN

ZUMT 39377 [162.7 mm; locality unknown (labelled as southern Japan, but probably erroneous)]

Lutjanus kasmira (Fabricius, 1775) ヨスジフエダイ

JAPAN

ZUMT 14720 (95.7 mm), ZUMT 14722 (88.0 mm), ZUMT 14723 (99.4 mm), ZUMT 14727 (107.2 mm),
ZUMT 14729 (105.2 mm; Yaeyama Islands, Ryukyu Archipelago; coll. by T. Yashiro)

ZUMT 17018 (90.3 mm; Itoman City, Okinawa-jima Island, Ryukyu Archipelago; coll. by S. Tanabe)

ZUMT 17248 (83.5 mm; Unten, Nakijin Village, Okinawa-jima Island, Ryukyu Archipelago; coll. by S. Tanabe)

ZUMT 18921 (103.5 mm; Kiragawa, Muroto City, Kochi Pref.; 27 Mar. 1929; coll. by T. Kamohara)

ZUMT 20208 (168.3 mm; Wakayama Pref.; Jan. 1920; coll. by N. Ui)

ZUMT 21805 [160.5 mm; probably from Amami-oshima Island, Amami Islands, Ryukyu Archipelago; donated
by T. Mukai (Miyakonojo Junior High School)]

ZUMT 23929 (198.0 mm), ZUMT 23938 (185.2 mm), ZUMT 24101 (233.4 mm; Naya, Kagoshima City,
Kagoshima Pref.)

ZUMT 39825 (87.4 mm; Okinawa Pref.; coll. by S. Sakaguchi)

ZUMT 42815 (90.1 mm; Hachijo-jima Island, Izu Islands; coll. by Sept. 1922; coll. by M. Uchiyama)

ZUMT 45906 (183.0 mm; Ogasawara Islands)

ZUMT 58457 (2 specimens, 35.7–45.9 mm; Amitori Bay, Iriomote-jima Island, Yaeyama Islands, Ryukyu
Archipelago; 1–3 m depth; 14 July 1988; coll. by H. Senou and M. Aizawa)

PALAU

ZUMT 63662 (149.4 mm), ZUMT 63663 (146.1 mm), ZUMT 63664 (93.3 mm; Palau)

LOCALITY UNKNOWN

ZUMT ABE 61-924 (91.5 mm; no data)

Lutjanus lutjanus Bloch, 1790 キンセンフエダイ

TAIWAN

ZUMT 2447 (142.7 mm; Kaohsiung City; Sept. 1908; coll. by K. Akamatsu)

ZUMT 22610 (85.5 mm; Kaohsiung City; coll. by S. Yamada)

ZUMT 64091 (82.8 mm; Ximending Market, Taipei City; 3 Oct. 1929)

PHILIPPINES

- ZUMT 41009 (100.6 mm; Jolo Island; Feb. 1909; coll. by I. Iijima and K. Aoki)
ZUMT 41952 (46.2 mm; Basilan; coll. by U. Yamamura)
ZUMT 42192 (103.3 mm; Philippines; 1926; coll. by U. Yamamura)

PALAU

- ZUMT ABE 2850 (175.3 mm), ZUMT 42751 (54.4 mm; Palau)
ZUMT 31732 [158.8 mm; probably Palau; labelled as 「南洋」 (“Nan-yo”, general term for Micronesian islands)]

INDONESIA

- ZUMT 31821 (104.8 mm; Buton, southeast off Sulawesi)

TANZANIA

- ZUMT 52869 (97.3 mm; Kunduchi, Dal es Salaam)

LOCALITY UNKNOWN

- ZUMT 62659 (85.9 mm; no data)

Lutjanus malabaricus (Bloch & Schneider, 1801) ヨコフエダイ

JAPAN

- ZUMT 7268 (182.7 mm; Nagasaki Pref.; coll. by I. Kaneko)
ZUMT 16957 (80.8 mm; Itoman City, Okinawa-jima Island, Okinawa Islands, Ryukyu Archipelago; coll. by S. Tanabe)
ZUMT 65629 (510.0 mm; Okinawa Pref.; 29 July 1928)

EAST CHINA SEA

- ZUMT 51224 (207.5 mm; East China Sea; probably obtained at Fukuoka Fish Market, Fukuoka Pref., Japan; Dec. 1959)

TAIWAN

- ZUMT 14998 (134.2 mm; Tainan City; coll. by T. Aoki)
ZUMT 19673 (37.0 mm), ZUMT 19674 [40.3 mm; probably collected from Keelung City; coll. by H. Sato (Taipei-Keelung Junior High School)]
ZUMT 63735 (205.9 mm; Chitosecho Market, Taipei City; 9 Mar. 1931)

PHILIPPINES

- ZUMT 40782 (92.4 mm), ZUMT 40783 (92.6 mm; Manilla, Luzon; 11 Feb. 1909; coll. by I. Iijima and K. Aoki)
ZUMT 42037 (73.3 mm; Philippines; coll. by U. Yamamura)

SINGAPORE

- ZUMT 41037 (72.0 mm; Singapore; 12 Mar. 1910; coll. by K. Iijima and K. Aoki)

LOCALITY UNKNOWN

- ZUMT 46817 (227.0 mm), ZUMT 63734 (250.4 mm; no data)
ZUMT 63932 (150.6 mm; locality unknown; tagged as“百五十四”)

Lutjanus monostigma (Cuvier, 1828) イッテンフエダイ

JAPAN

- ZUMT 14318 (119.7 mm; obtained at Naha Market, Naha City, Okinawa-jima Island, Okinawa Islands, Ryukyu Archipelago; 6 Feb. 1925; coll. by H. Yashiro)
ZUMT 20489 (56.3 mm; Yaku-shima Island, Osumi Islands, Ryukyu Archipelago; 10 July 1921)
ZUMT 31116 (65.4 mm; Shizuura, Numazu City, Shizuoka Pref.)
ZUMT 42642 (76.5 mm), ZUMT 42643 (94.7 mm; Okinawa Pref.; coll. by S. Sakaguchi)
ZUMT 55570 (242.8 mm; obtained at Okinawa Prefectural Fisheries Association; Okinawa-jima Island, Ryukyu Archipelago, Okinawa Pref.; 16 Sept. 1986; coll. by H. Senou)
ZUMT 58327 (116.9 mm; Yonada-gawa River estuary, Iriomote-jima Island, Yaeyama Islands, Ryukyu Archipelago; 13 July 1988; coll. by H. Senou)
ZUMT 58461 (26.3 mm; Amitori Bay, Iriomote-jima Island, Yaeyama Islands, Ryukyu Archipelago; 1–3 m depth; 14 July 1988; H. Senou and M. Aizawa)
ZUMT 58741 (56.3 mm), ZUMT 58742 (51.1 mm), ZUMT 58744 (6 specimens, 24.6–57.1 mm; Sukuji-gawa River estuary, Ishigaki-jima Island, Yaeyama Islands, Ryukyu Archipelago; 19 July 1988)
ZUMT 60007 (66.8 mm; Urauchi-gawa River estuary, Iriomote-jima Island, Yaeyama Islands, Ryukyu Archipelago; 16 Aug. 1989)
ZUMT 62994 (43.6 mm; Izu-oshima Island; 1 Aug. 1992)

TAIWAN

- ZUMT 55249 (19.9 mm; Shihli Beach, Penghu Island; 31 May 1970; coll. by Y. Tominaga)
ZUMT 63283 (33.7 mm; Tamsui Beach, Xinbei City; 19 Oct. 1930)

CHINA

- ZUMT 22815 (79.1 mm; Hainan Island)
ZUMT 41149 (78.4 mm), ZUMT 41150 (92.2 mm; Guangdong Province)

PHILIPPINES

- ZUMT 12713 (63.9 mm; Philippines; coll. by U. Yamamura)
ZUMT 41942 (42.5 mm), ZUMT 41943 (38.0 mm), ZUMT 41944 (44.1 mm), ZUMT 41951 (60.0 mm), ZUMT 41953 (49.6 mm; Basilan; coll. by U. Yamamura)

SINGAPORE

- ZUMT 40751 (67.0 mm; Singapore; 12 Mar. 1910; coll. by I. Iijima and K. Aoki)

PALAU

- ZUMT ABE 2827 (151.6 mm), ZUMT ABE 2904 (137.3 mm), ZUMT ABE 2905 (151.1 mm), ZUMT ABE 3698 (162.6 mm), ZUMT ABE 3822 (138.4 mm; Palau)

TANZANIA

- ZUMT 52859 (117.5 mm; Pangani; 19 July 1972)

AFRICAN COAST

- ZUMT 53014 (48.1 mm; African coast)

LOCALITY UNKNOWN

- ZUMT 62573 (85.3 mm; locality unknown; tagged as “3164”)
ZUMT ABE 7785 (78.5 mm; no data)

Lutjanus ophuysenii (Bleeker, 1860) ヨコスジフエダイ

JAPAN

- ZUMT 2276 (98.9 mm; Nagasaki Pref.; 27 June 1909)
ZUMT 3290 (156.6 mm; Misumi, Umi City, Kumamoto Pref.; Nov. 19011; coll. by S. Kawakami)
ZUMT 4874 (99.8 mm; Nu-shima Island, Minamiawaji City, Hyogo Pref.)
ZUMT 7451 (123.1 mm), ZUMT 8157 [95.9 mm; probably from Wakayama Pref.; coll. by I. Hoshino (Hiro, Hirokawa, Arida City, Wakayama Pref.)]
ZUMT 9588 [86.1 mm; probably from Wakayama Pref.; coll. by N. Ui (Tanabe City, Wakayama Pref.)]
ZUMT 19950 (120.4 mm; Okinawa Pref.)
ZUMT 20517 (77.6 mm), ZUMT 22017 (51.4 mm), ZUMT 22044 [approx. 88.3 mm (bisected at midbody); Wakayama Pref.; Jan. 1920]
ZUMT 21726 (83.5 mm; Wakayama Pref. Aug. 1904)
ZUMT 21728 (85.3 mm; Wakayama Pref.)
ZUMT 31179 (257.1 mm; Matsue City, Shimane Pref.; coll. by R. Yanai)
ZUMT 44770 [approx. 82.6 mm (bisected at midbody)], ZUMT 44771 (82.4 mm; Uozu or Namerikawa City, Toyama Pref.; coll. by I. Tomiyama)
ZUMT 48072 (244.1 mm; obtained at Ainoura Branch of Sasebo Fish Market, Sasebo City, Nagasaki Pref.; 1 June 1953; coll. by I. Tomiyama)
ZUMT 52017 (254.3 mm; obtained at Fukuoka Fish Market; 20 June 1960; coll. by Y. Tominaga)

EAST CHINA SEA

- ZUMT 52238 [185.4 mm; East China Sea, 200 km ca. east off Shanghai (30°45'N, 124°15'E); 23 May 1960; coll. by FV Ten'yo-maru]

TAIWAN

- ZUMT 14860 (96.7 mm; Tainan City; coll. by T. Aoki)
ZUMT 22599 (115.2 mm; Kaohsiung City; coll. by S. Yamada)

LOCALITY UNKNOWN

- ZUMT 63783 (198.6 mm; no data)

Lutjanus quinquelineatus (Bloch, 1790) ロクセンフエダイ

JAPAN

- ZUMT 9587 [86.2 mm; probably collected from Wakayama Pref.; coll. by I. Hoshino (Hiro, Hirokawa, Arida City, Wakayama Pref.)]
ZUMT 14726 (99.6 mm; Yaeyama Islands, Ryukyu Archipelago; coll. by H. Yashiro)
ZUMT 17019 (82.3 mm), ZUMT 17020 (75.9 mm), ZUMT 17021 (81.1 mm), ZUMT 17022 (58.9 mm; Itoman City, Okinawa-jima Island, Okinawa Islands, Ryukyu Archipelago; coll. by S. Tanabe)
ZUMT 17428 (173.8 mm; Naha City, Okinawa Pref.; coll. by S. Tanabe)
ZUMT 58456 (17 specimens, 26.3–31.9 mm; Amitori Bay, Iriomote-jima Island, Yaeyama Islands, Ryukyu Archipelago; 1–3 m depth; 14 July 1988; coll. by H. Senou and M. Aizawa)

TAIWAN

- ZUMT 18438 (53.1 mm), ZUMT 18439 (51.7 mm; Keelung City; 7 Aug. 1928; coll. by H. Sato)
ZUMT 19661 [110.1 mm; probably from Taiwan; coll. by H. Sato (Keelung Junior High School, Keelung City, Taiwan)]

PALAU

- ZUMT 63665 (82.4 mm), ZUMT 63666 (85.5 mm; Palau)

LOCALITY UNKNOWN

ZUMT 63787 (80.3 mm), ZUMT ABE 59-496 (161.2 mm; no data)

Lutjanus rivulatus* (Cuvier, 1828) ナミフエダイ*JAPAN**

ZUMT 58613 (51.6 mm; Urauchi-gawa River estuary, Iriomote-jima Island, Yaeyama Islands, Ryukyu Archipelago; 16 July 1988; coll. by M. Aizawa)

ZUMT 58462 (29.4 mm; Amitori Bay, Iriomote-jima Island, Yaeyama Islands, Ryukyu Archipelago; 1–3 m depth; 14 July 1988; coll. by H. Senou and M. Aizawa)

PALAU

ZUMT ABE 3853 (64.8 mm; Palau)

LOCALITY UNKNOWN

ZUMT 63166 (147.8 mm; no data)

Lutjanus russellii* (Bleeker, 1849) クロホシフエダイ*JAPAN****CHIBA PREF.**

ZUMT 27562 (32.9 mm; Chiba Pref.)

ZUMT 34341 (26.8 mm; Okitsu, Katsuura City; Aug. 1930; coll. by S. Masuda)

ZUMT 34975 (23.5 mm; Chiba City; 1925)

KANAGAWA PREF.

ZUMT 48618 (81.3 mm; Aburatsubo, Misaki, Miura City; 7 Nov. 1955; coll. by I. Tomiyama)

SHIZUOKA PREF.

ZUMT 4416 (141.5 mm; Uchiura, Numazu City; coll. by T. Aoki)

ZUMT 44890 (67.6 mm), ZUMT 44896 [43.4 mm; probably from Shizuoka Pref.; coll. by N. Onodera (Mitsuke Junior High School, Iwata City)]

AICHI PREF.

ZUMT 6060 (46.8 mm; Nagoya City)

WAKAYAMA PREF.

ZUMT 7452 [118.3 mm; probably from Wakayama Pref.; coll. by I. Hoshino (Hiro, Arida, Wakayama City, Wakayama Pref.)]

ZUMT 8542 [199.4 mm; probably from Wakayama Pref.; coll. by N. Ui (Tanabe City)]

ZUMT 8158 [67.9 mm; probably from Wakayama Pref.; coll. by I. Hoshino (Hiro, Arida City)]

ZUMT 21991 (67.2 mm), ZUMT 22023 (61.1 mm; Wakayama Pref.)

ZUMT 22034 (86.9 mm; Wakayama Pref.; Jan. 1920)

ZUMT 22445 (84.2 mm; Tanabe City; coll. N. Ui)

ZUMT 22533 (63.1 mm; Tanabe City; Jan. 1920; coll. by N. Ui)

HYOGO PREF.

ZUMT 26844 (29.6 mm; Fukura, Minamiawaji City, Awaji-shima Island, Hyogo Pref.; 5 Mar. 1912; coll. by R. Uchimura)

KOCHI PREF.

ZUMT 9229 (80.8 mm), ZUMT 9230 (84.9 mm), ZUMT 9231 (76.3 mm), ZUMT 9232 (65.6 mm), ZUMT 9233 (67.5 mm), ZUMT 9234 (67.2 mm), ZUMT 9235 (61.0 mm; Urado Bay, Kochi City; Sept. 1919; coll. by S. Tanaka)

ZUMT 21929 (123.9 mm; Kochi Pref.; coll. by Kochi Prefectural Fisheries Experimental Station)

ZUMT 34609 (79.3 mm; Kochi Pref.)

MIYAZAKI PREF.

ZUMT 18841 (69.3 mm; Miyazaki Pref.)

KAGOSHIMA PREF.

ZUMT 23872 (71.2 mm; Naya, Kagoshima City)

ZUMT 24088 (70.1 mm), ZUMT 24094 (47.4 mm; Taniyama, Kagoshima City)

OKINAWA PREF.

ZUMT 14425 (156.3 mm), ZUMT 14426 (153.7 mm), ZUMT 14427 (115.4 mm; Okinawa Pref.; coll. by S. Tanabe)

ZUMT 17017 (124.0 mm; Itoman City, Okinawa-jima Island, Okinawa Islands, Ryukyu Archipelago; coll. by S. Tanabe)

ZUMT 17222 (77.0 mm; Baten Port, Nanjo City, Okinawa-jima Island, Okinawa Islands, Ryukyu Archipelago; coll. by S. Tanabe)

ZUMT 58545 (39.3 mm; Urauchi-gawa River estuary, Iriomote-jima Island, Yaeyama Islands, Ryukyu Archipelago; 15 July 1988; coll. by H. Senou and M. Aizawa)

TAIWAN

ZUMT 14912 (71.5 mm), ZUMT 14913 (75.5 mm), ZUMT 18434 [67.2 mm; probably from Taiwan; coll. by T. Aoki (Government General of Taiwan)]

ZUMT 18441 (49.8 mm; Keelung City; July 1928; coll. by H. Sato)

ZUMT 23562 [74.7 mm; probably from Taiwan; coll. by S. Arakawa (Taipei High School)]

ZUMT 23591 (64.1 mm; Kaohsiung; 5 Mar. 1912; coll. by R. Uchimura)

ZUMT 23624 [54.1 mm; probably from Taiwan; coll. by S. Arakawa (Taipei High School)]

PHILIPPINES

ZUMT 40922 (57.9 mm; Jolo; Feb. 1909; coll. by K. Iijima and K. Aoki)

ZUMT 42108 (41.3 mm), ZUMT 42109 (110.1 mm), ZUMT 42110 (110.7 mm), ZUMT 42111 (103.9 mm), ZUMT 42112 (69.1 mm; Philippines; Jan. 1938; coll. by U. Yamamura)

ZUMT 42163 (124.2 mm; Philippines; 1926; coll. by U. Yamamura)

SINGAPORE

ZUMT 40750 (85.5 mm; Singapore), ZUMT 40752 (66.3 mm; Singapore; 12 Mar. 1910; coll. by I. Iijima and K. Aoki)

PALAU

ZUMT 63673 (111.7 mm), ZUMT ABE 3401 (134.9 mm), ZUMT ABE 3412 (66.5 mm; Palau)

LOCALITY UNKNOWN

ZUMT 46916 (96.9 mm), ZUMT 63696 (184.4 mm), ZUMT ABE 7778 (51.7 mm), ZUMT ABE 7779 (33.9 mm), ZUMT ABE 7780 (73.2 mm), ZUMT ABE 7781 (45.4 mm), ZUMT ABE 7782 (38.9 mm), ZUMT ABE 7783 (28.4 mm), ZUMT ABE 7784 (26.0 mm), ZUMT ABE 61-1086 (75.3 mm; no data)

ZUMT 63929 (61.3 mm; no locality; tagged as "0,014")

Lutjanus sebae (Cuvier, 1816) センネンダイ

JAPAN

ZUMT 8011 (99.0 mm), ZUMT 8069 (91.3 mm), ZUMT 8070 (82.8 mm), ZUMT 8071 [57.6 mm; probably from Wakayama Pref.; coll. by N. Ui (Tanabe City, Wakayama Pref.)]

ZUMT 21708 (89.3 mm; Wakayama Pref.)

ZUMT 21992 (84.7 mm; Wakayama Pref.; Jan. 1920)

PHILIPPINES

ZUMT 14620 (127.5 mm; Philippines)

***Lutjanus stellatus* Akazaki, 1983** フエダイ**JAPAN**

ZUMT 4366 (142.5 mm; Saiki City, Oita Pref.; 12 Jan. 1915; coll. by K. Suito)

ZUMT 23640 (245.5 mm; Kochi Pref.; coll. by T. Kamohara)

ZUMT 55534 (68.3 mm; Mera, Izu Town, Shizuoka Pref.; 16 Sept. 1984)

ZUMT 23809 (112.2 mm; Naya, Kagoshima City, Kagoshima Pref.)

ZUMT 23900 (160.2 mm; Kushikino, Ichikikushikino City, Kagoshima Pref.)

ZUMT 40158 (147.0 mm; Okinawa Pref.; coll. by S. Sakaguchi)

ZUMT 62527 (343 mm; paratype of *L. stellatus*; Udo, Nichinan City, Miyazaki Pref.; Aug. 13, 1981)

TAIWAN

ZUMT 18426 (90.0 mm), ZUMT 18427 (98.5 mm; Keelung City; July 1928; coll. by H. Sato)

LOCALITY UNKNOWN

ZUMT ABE 60-1300 (112.3 mm), ZUMT ABE 62-1312 (242.0 mm; no data)

ZUMT 65630 (445.0 mm; no data)

***Lutjanus timorensis* (Quoy & Gaimard, 1824)** ワキグロアカフエダイ**LOCALITY UNKNOWN**

ZUMT 63650 (369.4 mm; no data)

***Lutjanus vitta* (Quoy & Gaimard, 1824)** タテフエダイ**TAIWAN**

ZUMT 25126 (70.0 mm; Taipei City; coll. by M. Imai)

PHILIPPINES

ZUMT 40711 (150.3 mm; Jolo Islands; coll. by I. Iijima)

PALAU

ZUMT ABE 2796 (169.2 mm), ZUMT ABE 2829 (169.9 mm), ZUMT ABE 2927 (183.3 mm), ZUMT ABE 3699 (175.1 mm), ZUMT ABE 3839 (177.3 mm; Palau)

ZUMT 31687 [150.5 mm; probably Palau; labelled as 「南洋」 (“nan-yo”, general term for Micronesian islands)]

LOCALITY UNKNOWN

ZUMT 46352 (172.4 mm), ZUMT 46353 [approx. 171.4 mm (bisected at midbody)], ZUMT 63784 (209.4 mm; no data)

***Macolor macularis* Fowler, 1931** ホホスジタルミ**NORTHERN MARIANA ISLANDS**

ZUMT 25669 (161.0 mm; Saipan; coll. by Toyama Prefectural Fisheries Training Center)

PALAU

ZUMT ABE 4034 (133.2 mm; Palau)

Macolor niger (Forsskål, 1775) マダラタルミ

JAPAN

- ZUMT 14780 (219.4 mm; Yaeyama Islands, Okinawa Pref.; coll. by H. Yashiro)
ZUMT 53419 (88.5 mm; Ishigaki-jima Island, Yaeyama Islands, Ryukyu Archipelago)
ZUMT 62303 (29.6 mm; Otsuki Town, Kochi Pref; 2021; coll. by A. Namura)

Paracaesio caerulea (Katayama, 1934) アオダイ

JAPAN

- ZUMT 46080 (246.1 mm; probably from Kochi Pref.)
ZUMT 50535 (394.9 mm; obtained at Kagoshima Fish Market, Kagoshima Pref.; 9 Sept. 1959)

PALAU

- ZUMT ABE 4001 (274.0 mm; Palau)

Paracaesio kusakarii Abe, 1960 シマアオダイ

JAPAN

- ZUMT 51906 [253.5 mm; holotype of *Paracaesio kusakarii* Abe, 1960; purchased at Tokyo Market (probably caught off Hachijo-jima Island, Izu Islands); 20 June 1960]
ZUMT 51907 [paratype of *P. kusakarii*; dissected; purchased at Tokyo Market (caught south of Tokyo); 5 Sept. 1960]
ZUMT 51908 [paratype of *P. kusakarii*; dissected; purchased at Tokyo Market (caught south of Tokyo); 14 Sept. 1960]

LOCALITY UNKNOWN

- ZUMT 47671 (171.4 mm; locality unknown; coll. by M. Katayama)

Paracaesio sordida Abe & Shinohara, 1962 ヨゴレアオダイ

JAPAN

- ZUMT 51922 (275.0 mm; paratype of *P. sordida*; Okinawa-jima Island, Ryukyu Archipelago; Mar. 1961),
ZUMT 52041 (268.0 mm), ZUMT 52042 (278.0 mm), ZUMT 52044 (head bones only; paratype of *P. sordida*;
Okinawa-jima Island, Ryukyu Archipelago)
ZUMT 52043 (214.9 mm; holotype of *Paracaesio sordida* Abe & Shinohara, 1962; Okinawa-jima Island,
Ryukyu Archipelago)

LOCALITY UNKNOWN

- ZUMT ABE 62-660 (293.1 mm; no data)

Paracaesio xanthura (Bleeker, 1869) ウメイロ

JAPAN

- ZUMT 4397 (240.1 mm; Saiki City, Oita Pref.; 29 Jan. 1915; coll. by K. Suito)
ZUMT 9585 [125.1 mm; probably collected from Wakayama Pref.; coll. by N. Ui (Tanabe City, Wakayama Pref.)]
ZUMT 19553 (189.7 mm; Kochi City, Kochi Pref.; 31 Jan. 1929; coll. by T. Kamohara)
ZUMT 19598 (185.2 mm; Tanabe City, Wakayama Pref.; 20 Dec. 1929; coll. by T. Kinoshita)
ZUMT 20224 (200.5 mm; Wakayama Pref.; coll. by N. Ui)
ZUMT 21117 (136.1 mm; obtained at Tokyo Market, Tokyo Met.)
ZUMT 32037 (186.8 mm; Nagasaki Pref.; 1 Aug. 1909)

ZUMT 34144 (195.8 mm), ZUMT 34145 (181.0 mm; probably from Kochi Pref.; coll. by Kochi Prefectural Fisheries Experimental Station)
ZUMT 40539 (243.4 mm), ZUMT 40546 (256.5 mm; Hachijo-jima Island, Izu Islands)
ZUMT 45973 (281.5 mm; Yamagawa City, Fukuoka Pref.)
ZUMT 46081 (198.1 mm), ZUMT 47036 (154.1 mm; probably from Kochi Pref.)
ZUMT 49158 (152.7 mm; Misaki, Miura City, Kanagawa Pref.; 5 Oct. 1954; coll. by I. Tomiyama)
ZUMT 63488 (186.4 mm; Wakayama Pref.)

LOCALITY UNKNOWN

ZUMT 56409 [approx. 150.9 mm (bisected at midbody); no data]

Pinjalo pinjalo (Bleeker, 1850) チカメタカサゴ

PHILIPPINES

ZUMT 11127 (108.0 mm; Philippines; coll. by U. Yamamura)

Pristipomoides amoenus (Snyder, 1911) ウスハナフエダイ

JAPAN

ZUMT 14000 [163.2 mm; probably from Okinawa Pref.; coll. by S. Sakaguchi (Okinawa Prefectural Daiichi Junior High School)]
ZUMT 14416 (176.5 mm; Okinawa Pref.; coll. by S. Sakaguchi)

Pristipomoides argyrogrammicus (Valenciennes, 1832) ハナフエダイ

JAPAN

ZUMT 9816 (260.5 mm; Omurodashi, southeast of To-shima Island, Izu Islands; Aug. 1920; coll. by Y. Okada and K. Aoki)
ZUMT 14443 (174.2 mm; Okinawa Pref.; coll. by S. Sakaguchi)
ZUMT 15225 [118.8 mm; probably from Okinawa Pref.; coll. by S. Sakaguchi (Okinawa Prefectural Daiichi Junior High School)]
ZUMT 23517 (136.7 mm; Urado, Kochi City, Kochi Pref.; 16 Mar. 1931; coll. by T. Kamohara)
ZUMT 52581 (207.2 mm; obtained at Naze Fish Market, Naze, Amami City, Amami-oshima Island, Amami Islands, Ryukyu Archipelago; 31 May 1966)
ZUMT ABE 10646 (28.9 mm; probably from Misaki, Miura City, Kanagawa Pref.)

LOCALITY UNKNOWN

ZUMT 31580 (239.9 mm; locality unknown; donation from Osaka Fish Co., Ltd, 2 Mar. 1936)
ZUMT ABE 9384 (237.7 mm; female; no data)

Pristipomoides auricilla (Jordan, Evermann & Tanaka, 1927) キマダラヒメダイ

PALAU

ZUMT ABE 4005 (262.1 mm; Palau)

Pristipomoides filamentosus (Valenciennes, 1830) オオヒメ

JAPAN

ZUMT 3687 [182.7 mm; holotype of *Aprion kanekonis* (regarded as junior synonym of *P. filamentosus*; Allen 1985); Nagasaki; coll. by I. Kaneko], ZUMT 18146 (456.6 mm), ZUMT 18147 [413.5 mm; probably from Okinawa Pref.; coll. by K. Tashiro (Okinawa Prefectural Fisheries Experimental Station)]

ZUMT 19518 (296.7 mm; probably from Okinawa Pref.; 24 May 1928; coll. by Okinawa Prefectural Fisheries Experimental Station)
ZUMT 46608 (207.3 mm; Hachijo-jima Island, Izu Islands)
ZUMT 49755 (372.8 mm; Ogasawara Islands; obtained at Tokyo Market, Tokyo Met.; 1953)
ZUMT 59705 [approx. 154.6 mm (bisected at midbody); Kamakura City, Kanagawa Pref.; 1982; coll. by M. Aizawa]

LOCALITY UNKNOWN

ZUMT ABE 60-1153 (92.2 mm), ZUMT 63676 (200.4 mm; no data)

Pristipomoides flavipinnis Shinohara, 1963 キンメヒメダイ

JAPAN

ZUMT 51921 (290.0 mm; obtained at Naha Fish Market, Okinawa Pref.; Mar. 1961; coll. by S. Shinohara)

Pristipomoides multidentis (Day, 1871) ナガサキフエダイ

JAPAN

ZUMT ABE 10700 (465.0 mm; Tokyo Market, Tokyo Met.; 26 Apr. 1956)

LOCALITY UNKNOWN

ZUMT 46827 (296.0 mm), ZUMT 52205 (188.2 mm; no data)

Pristipomoides sieboldii (Bleeker, 1855) ヒメダイ

JAPAN

ZUMT 9556 [2 specimens, 153.1–153.5 mm; probably from Wakayama Pref.; coll. by N. Ui (Tanabe City, Wakayama Pref.)]
ZUMT 18934 (77.0 mm; Kashiwa-jima Island, Otsuki Town, Kochi Pref.; Oct. 1928; coll. by T. Kamohara)
ZUMT 50534 (286.1 mm; obtained at Kagoshima Fish Market, Kagoshima Pref.; 9 Sept. 1959; Y. Tominaga)
ZUMT 55549 (233.0 mm; Okinawa-jima Island, Okinawa Islands; 16 Sept. 1986; coll. by H. Senou)
ZUMT 64262 (157.9 mm; Wagu, Shima City, Mie Pref.; 10 Mar. 1913)

PALAU

ZUMT ABE 4003 (269.0 mm; Palau)

LOCALITY UNKNOWN

ZUMT 63480 (164.8 mm), ZUMT 63481 (156.3 mm), ZUMT 63695 (256.4 mm), ZUMT ABE 55-93 (332.5 mm; no data)

Pristipomoides typus Bleeker, 1852 バラヒメダイ

JAPAN

ZUMT 27396 (59.8 mm; Koajiro, Aburatsubo, Misaki, Miura City, Kanagawa Pref.; 27 July 1927; coll. by S. Tanaka)

Symphorus nematophorus (Bleeker, 1860) イトヒキフエダイ

JAPAN

ZUMT 13967 [146.6 mm; probably from Okinawa Pref.; coll. by S. Sakaguchi (Okinawa Prefectural Daiichi Junior High School)]

PHILIPPINES

ZUMT 40972 (129.2 mm; Jolo Island; Feb. 1909; coll. by I. Iijima and K. Aoki)

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