

# Annotated Checklist of Marine and Freshwater Fishes in the Hyuga Nada Area, Southwestern Japan

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## Abstract

Annotated checklist of marine and fresh water fishes is reported from the Hyuga Nada area, including Miyazaki Prefecture, southern coastal area of Oita Prefecture and eastern coast of Kagoshima Prefecture, southwestern Japan. Such fishes are classified into 228 families, 680 genera and 1,340 species including 24 subspecies and 1 hybrid, consisting of natural inhabitants in the area, and invasive and introduced fishes as alien species out of Japan or from the other areas. Confirmation of each species on identification is based on voucher specimens kept in Miyazaki University and other museums, photographs of fishes taken in the area, confirmed photographs in websites and references formerly reported before August 2016. Fish occurrence tendency by our gross observation is noted at each species.

**Key Words:** Hyuga Nada, fish fauna, Miyazaki Prefecture, eastern Kagoshima Prefecture, southern Oita Prefecture

## Introduction

Faunal research in fishes of the Hyuga Nada area, mainly Miyazaki Prefecture, has not demonstrated before 1980, except for partial reports on freshwater fishes reported by Yamane<sup>1-2)</sup>, Yamane *et al.*<sup>3)</sup>, Akazaki & Juso<sup>4)</sup> and Akazaki *et al.*<sup>5)</sup>. The gross faunal research on fishes of Miyazaki Prefecture was firstly reported by Iwatsuki<sup>6)</sup> in 1983, which showed 665 species including marine and freshwater species but is not yet reviewed unfortunately although the recent fish faunas in Ehime<sup>7)</sup>, Kochi ([http://www.kochi-u.ac.jp/w3museum/Fish\\_Labo/FishCatalog/Orders.html](http://www.kochi-u.ac.jp/w3museum/Fish_Labo/FishCatalog/Orders.html)) and Kagoshima<sup>8)</sup> prefectures have been reported in website or books.

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Of the adjacent areas to Miyazaki Prefecture, the fish faunas of southern part of Oita Prefecture (southern coastal area of Saganoseki, a boarder of Seto Inland Sea) and the eastern coastal area of Osumi Peninsula, Kagoshima Prefecture, are closely similar to that of Miyazaki Prefecture, because the following characteristic fishes are found in those areas as relatively common from juveniles to adults: famously known Akame *Lates japonicus*<sup>9-13</sup>), Namimatsukasa *Myriopristes kochiensis*<sup>14</sup>), Yamatoitohikisagi *Gerres microphthalmus*<sup>15</sup>), Sedakadaimyosagi *G. akazakii*<sup>16</sup>) and Oninouchiwa *Platyrrhina hyugaensis*<sup>17</sup>). Therefore, those areas can be included in the Hyuga Nada area.

A lot of ichthyological new findings including taxonomy have been surprisingly accumulated by Nakabo's book with pictorial keys in the Japanese Archipelago<sup>18</sup>) and Eschmeyer's catalog of fishes (updated), worldwide<sup>19-20</sup>). Such contributions have given us exact and speedy identification, and newly views in fish research of the Hyuga Nada area.

Several familial fishes [carangids, lutjanids, caesionids, girellids and kyphosids<sup>21-23</sup>)], ecological research<sup>9-13, 24-25, 26</sup>), taxonomical studies<sup>14-17, 27-40</sup>), distributional extension and records<sup>15-17, 29, 37-63</sup>), endangered species<sup>12, 28, 47, 60</sup>) and introduced fishes<sup>3, 6, 12, 31, 61-62, 64</sup>) have been increasingly reported from the Hyuga Nada area since 1980 and then, is herein reviewed, plus a brief review on fishes of Miyazaki Prefecture<sup>63</sup>). Other local fish faunas of the pacific coasts of Japan<sup>65-67</sup>), Sea of Japan<sup>68-70</sup>), Taiwan<sup>71</sup>), the South China Sea<sup>72</sup>) from the northeastern Pacific have been energetically studied by many researchers. The region shows the highest catches in the world<sup>73-75</sup>).

We here report an annotated checklist of the Hyuga Nada area, southwestern Japan as basic biological information of faunal research as the first step. Such includes natural inhabitants in the Hyuga Nada area, and invasive and introduced fishes as alien species out of Japan or the other areas in Japan. Confirmation of each species is based on voucher specimens (museum collection of MUFS, Fisheries Sciences, Miyazaki University and other museum collection), photographs of fishes taken in the area, confirmed photographs in websites, and references formerly reported before August 2016. Fish occurrence tendency by our gross observation is noted at each species.

### Material and Methods

Species confirmation is basically based on fish collection (shown as **S** in Table 1, voucher specimen[s]) of MUFS museum collection (Miyazaki University, Fisheries Sciences) as well as photographs (shown as **P**) and website confirmations (shown as **W**). Furthermore, fish records which were formerly reported before are based on references (shown as **REF**). Identification follows Nakabo's fish book on key<sup>18</sup>) and other recent review papers including website of the Catalog of Fishes with the family<sup>19-20</sup>).

Occurrence tendency of fishes from the Hyuga Nada area are grossly noted at each species as Very Common (**VC**), Common (**C**), Rare (**R**), Very Rare (**VR**), and Extinct (**E**). Furthermore, exotic species from foreign countries and Japanese domestic species introduced to the Hyuga Nada area are indicated as **INF** and **INJ**, respectively. Each judgement of their species confirmation and occurrence tendency at each species is indicated after scientific name, shown in Table 1. Detailed information (catalogued number, collection site and other ecological data) can be accessed to contact with the first and second authors or staff of the department of Miyazaki University.

The Hyuga Nada area is defined as the follows: marine and fresh water areas in Miyazaki Prefecture, plus from the adjacent coast of southern part of Oita Prefecture (southern coastal area of Saganoseki, boarder of the Seto Inland Sea) to eastern coast of Osumi Peninsula, Kagoshima Prefecture. Furthermore, the Hyuga Nada area includes an area from coastal line to ca. 100 km offshore, being grossly parallel

coastal line to the Kuroshio Current. The checklist of the Hyuga Nada area is included until August 2016. The family also follows van der Laan *et al.*<sup>20)</sup> Each species is alphabetically arranged under genus and species at each family in Table 1.

**Table 1** Annotated checklist of marine and freshwater fishes in the Hyuga Nada area, southern Japan. Confirmation is based on voucher specimens (S), photographs (P), websites (W), and references (REF). Fish occurrence tendency is noted on the basis of gross observation: Very common (VC), common (C), rare (R), Very rare (VR) and extinct (Ext). Invasive species from foreign species and Japanese domestic species are shown as IF and ID, plus justification for rearing, extinction, and naturalized condition in parenthesis.

Family	Scientific name	Japanese name	Confirmation	Occurrence
Myxinidae	<i>Eptatretus burgeri</i> (Girard 1855)	Nutaunagi	S	VC
Chimaeridae	<i>Chimaera phantasma</i> Jordan & Snyder 1900	Ginzame	S	VC
Heterodontidae	<i>Heterodontus japonicus</i> Macley & Macleay 1884	Nekozone	S	R
Orectolobidae	<i>Orectolobus japonicus</i> Regan 1906	Oose	S	R
Rhincodontidae	<i>Rhincodon typus</i> Smith 1828	Jinbeizame	P or W <sup>1</sup>	R
Lamnidae	<i>Isurus oxyrinchus</i> Rafinesque 1810	Aozame	S	R
Alopiidae	<i>Alopias vulpinus</i> (Bonnaterre 1788)	Maonaga	P	R
Scyliorhinidae	<i>Cephaloscyllium umbratile</i> Jordan & Fowler 1903	Nanukazame	S	R
	<i>Galeus eastmani</i> (Jordan & Snyder 1904)	Yamorizame	S	R
	<i>Halaelurus buergeri</i> (Müller & Henle 1838)	Nagasakitorazame	S	R
	<i>Scyliorhinus torazame</i> (Tanaka 1908)	Torazame	S	R
Proscylliidae	<i>Proscyllium habereri</i> Hilgendorf 1904	Taiwanzame	S	R
Triakidae	<i>Hemitriakis japonicus</i> (Müller & Henle 1839)	Eirakubuka	S	R
	<i>Hypogaleus hyugaensis</i> (Miyosi 1939)	Tsumaguroeirakubuka	S	C
	<i>Mustelus griseus</i> Pietschmann 1908	Shirozame	S	R
	<i>Mustelus manazo</i> Bleeker 1854	Hoshizame	S	R
	<i>Triakis scyllium</i> Müller & Henle 1839	Dochizame	S	R
Carcharhinidae	<i>Carcharhinus melanopterus</i> (Quoy & Gaimard 1824)	Tsumaguro	S	C
	<i>Triaenodon obesus</i> (Rüppell 1837)	Nemuribuka	S	C
Sphyrnidae	<i>Sphyrna lewini</i> (Griffith & Smith 1834)	Akashumokuzame	S	C
	<i>Sphyrna zygaena</i> (Linnaeus 1758)	Shiroshumokuzame	S	C
Etmopteridae	<i>Etmopterus lucifer</i> Jordan & Snyder 1902	Fujikujira	S	C
	<i>Etmopterus molleri</i> (Whitley 1939)	Hiretakafujikujira	S	R
	<i>Etmopterus pusillus</i> (Lowe 1839)	Karasuzame	S	C
Squalidae	<i>Squalus brevirostris</i> Tanaka 1917	Tsumaritsunozame	S	C
	<i>Squalus japonicus</i> Ishikawa 1908	Togaritsunozame	S	R
Squatinae	<i>Squatina japonica</i> Bleeker 1858	Kasuzame	S	C
	<i>Squatina nebulosa</i> Regan 1906	Korozame	S	R
Pristiophoridae	<i>Pristiophorus japonicus</i> Günther 1870	Nokogirizame	S	VR
Rhynchobatidae	<i>Rhina ancylostomus</i> Bloch & Schneider 1801	Shinonomesakatazame	P	VR
Rhinobatidae	<i>Rhinobatos hynnicephalus</i> Richardson 1846	Komonsakatazame	S	C
	<i>Rhinobatos schlegeli</i> Müller & Henle 1841	Sakatazame	S	C
	<i>Rhinobatos</i> sp. (H. Nagino & Y. Iwatsuki, pers. comm.)	Sakatazame zoku no isshu	S	C
Platyrrhinidae	<i>Platyrrhina hyugaensis</i> Iwatsuki, Miyamoto & Nakaya 2011	Oninouchiwa	S	C
	<i>Platyrrhina tangi</i> Iwatsuki, Zhang, & Nakaya 2011	Uchiwazame	S	C
Torpedinidae	<i>Narke japonica</i> (Temminck & Schlegel 1850)	Shibireei	S	R
	<i>Torpedo tokionis</i> (Tanaka 1908)	Yamatoshibireei	S	C
Rajidae	<i>Bathyraja diplotaenia</i> (Ishiyama 1952)	Ribonkasube	S	R
	<i>Bathyraja minispinosa</i> Ishiyama & Ishihara 1977	Subesubekasube	S	R
	<i>Bathyraja smirnovi</i> (Soldatov & Pavlenko 1915)	Dobukasube	S	C
	<i>Dipturus gigas</i> (Ishiyama 1958)	Zokasube	S	R
	<i>Dipturus kwangtungensis</i> (Chu 1960)	Gangiei	S	C
	<i>Dipturus macrocauda</i> (Ishiyama 1955)	Kitsunekasube	S	C
	<i>Okamejei acutispina</i> (Ishiyama 1958)	Moyokasube	S	C
	<i>Okamejei boesemani</i> (Ishihara 1987)	Isagogangiei	S	R
	<i>Okamejei kenojei</i> (Müller & Henle 1841)	Komonkasube	S	C
	<i>Okamejei meendervoortii</i> (Bleeker 1860)	Medamakasube	S	C
	<i>Okamejei schmidti</i> (Ishiyama 1958)	Tsumarikasube	S	C
	<i>Raja pulchra</i> Liu 1932	Meganekasube	S	R
Urolophidae	<i>Dipturus tenuis</i> (Jordan & Fowler 1903)	Tengukasube	S	C
	<i>Urolophus aurantiacus</i> Müller & Henle 1841	Hirataei	S	R
Dasyatidae	<i>Dasyatis acutirostra</i> Nishida & Nakaya 1988	Izuhimeei	S	R

Family	Scientific name	Japanese name	Confirmation	Occurrence
	<i>Dasyatis akabei</i> (Müller & Henle 1841)	Akai	S	VC
	<i>Dasyatis matsubarae</i> Miyosi 1939	Hoshiei	S	R
	<i>Neotrygon kuhlii</i> (Müller & Henle 1841)	Yakkoei	S	C
Gymnuridae	<i>Gymnura japonica</i> (Temminck & Schlegel 1850)	Tsubakuroei	S	C
	<i>Gymnura poecilura</i> (Shaw 1804)	Onagatsubakuroei	S	R
Myliobatididae	<i>Aetobatus narutobiei</i> White, Furumitsu & Yamaguchi 2013	Narutobiei	S	C
	<i>Aetobatus narinari</i> (Euphrasen 1790)	Madaratobiei	S	R
	<i>Myliobatis tobijei</i> (Bleeker 1854)	Tobiei	S	VC
Acipenseridae	<i>Acipenser baerii</i> Brandt 1869	Shiberiachozame	S	IF (rearing) <sup>(61-62)</sup>
	<i>Acipenser gueldenstaedtii</i> Brandt & Ratzeburg 1833	Roshiachozame	S	IF (rearing) <sup>(61-62)</sup>
	<i>Acipenser ruthenus</i> Linnaeus 1758	Kochozame	S	IF (rearing) <sup>(61-62)</sup>
	<i>Acipenser transmontanus</i> Richardson 1836	Shirochozame	S	IF (rearing) <sup>(61-62)</sup>
	<i>Acipenser</i> hybrid	Bestel	S	IF (rearing) <sup>(61-62)</sup>
Elopidae	<i>Elops hawaiiensis</i> Regan 1909	Karaiwashi	S	C
Megalopidae	<i>Megalops cyprinoides</i> (Broussonet 1782)	Isegoi	S	R
Albulidae	<i>Albula koreana</i> Kwun & Kim 2011 <sup>(73)</sup>	Sotoiwashi	S	C
Halosauridae	<i>Aldrobandia affinis</i> (Günther 1877)	Tokagegisu	S	C
	<i>Halosaurus macrochir</i> (Günther 1878)	Kuroobitokagegisu	S	R
Notacanthidae	<i>Polyacanthopus challengerii</i> (Vaillant 1888)	Sokogisu	S	C
Anguillidae	<i>Anguilla anguilla</i> (Linnaeus 1758)	Yoroppa-unagi	REF <sup>(61-62)</sup>	IF (rearing before) <sup>(61-62)</sup>
	<i>Anguilla japonica</i> Temminck & Schlegel 1846	Nihonunagi	S	R
	<i>Anguilla marmorata</i> Quoy & Gaimard 1824	Oounagi	S	VR
Muraenidae	<i>Enchelycore lichenosa</i> (Jordan & Snyder 1901)	Kokeutsubo	P	VR
	<i>Enchelycore pardalis</i> (Temminck & Schlegel 1846)	Torautesubo	S	R
	<i>Gymnothorax albimarginatus</i> (Temminck & Schlegel 1846)	Herishiroutsubo	S	R
	<i>Gymnothorax flavimarginatus</i> (Rüppell 1830)	Gomautsubo	S	R
	<i>Gymnothorax isingteena</i> (Richardson 1845)	Nisegoishiutsubo	S	R
	<i>Gymnothorax kidako</i> (Temminck & Schlegel 1846)	Utsubo	S	VC
	<i>Gymnothorax minor</i> (Temminck & Schlegel 1846)	Amiutsubo	S	C
	<i>Gymnothorax pseudothyrsoides</i> (Bleeker 1852)	Amimeutsubo	S	C
	<i>Strophidon ui</i> (Tanaka 1917)	Takeutsubo	S	R
	<i>Strophidon sathete</i> (Hamilton 1822)	Onagautsubo	S	R
Synphobranchidae	<i>Dysomma anguillare</i> Barnard 1923	Asabahoraanago	S	R
	<i>Meadia abyssalis</i> (Kamohara 1938)	Hirejiroanago	S	R
	<i>Synphobranchus kaupii</i> Johnson 1862	Irakoanago	S	R
Ophichthidae	<i>Myrophis microchir</i> (Bleeker 1865)	Serebesuhireanago	S	R
	<i>Ophichthus asakusae</i> Jordan & Snyder 1901	Inakaumihebi	S	R
	<i>Ophichthus erabo</i> (Jordan & Snyder 1901)	Mongaradoshi	S	C
	<i>Ophichthus urolophus</i> (Temminck & Schlegel 1846)	Susoumihebi	S	R
	<i>Ophichthus altipennis</i> (Kaup 1856)	Hotateumihebi	S	C
	<i>Ophisurus macrorhynchus</i> Bleeker 1853	Dainanumihebi	S	C
	<i>Ophichthys machidai</i> McCosker, Ide & Endo 2012	Machidaumihebi	REF <sup>(40)</sup>	R
	<i>Pisodonophis cancrivorus</i> (Richardson 1848)	Minamihotateumihebi	S	C
	<i>Scolecenchelys aoki</i> (Jordan & Snyder 1901)	Misakiunagi	S	R
Congridae	<i>Ariosoma anago</i> (Temminck & Schlegel 1846)	Hanaanago	S	R
	<i>Ariosoma majus</i> (Asano 1958)	Ooshiroanago	S	R
	<i>Ariosoma meeki</i> (Jordan & Snyder 1900)	Gotenanago	S	C
	<i>Bathycongrus retrotinctus</i> (Jordan & Snyder 1901)	Tsumaguroanago	S	R
	<i>Conger japonicus</i> Bleeker 1879	Kuroanago	S	C
	<i>Conger myriaster</i> (Brevoort 1856)	Maanago	S	C
	<i>Congriscus megastomus</i> (Günther 1877)	Okianago	S	C
	<i>Gnathophis ginanago</i> (Asano 1958)	Niseginanago	S	R
	<i>Gnathophis nystromi</i> (Jordan & Snyder 1901)	Ginanago	S	C
	<i>Parabathymyrus macrophthalmus</i> Kamohara 1938	Medamaanago	S	C
	<i>Uroconger lepturus</i> (Richardson 1845)	Aianago	S	C
Muraenesocidae	<i>Muraenesox bagio</i> (Hamilton 1822)	Suzuhamo	S	C
	<i>Muraenesox cinereus</i> (Forsskål 1775)	Hamo	S	C
	<i>Oxyconger leptognathus</i> (Bleeker 1858)	Hashinagaanago	S	R
Nettastomatidae	<i>Saurenchelys cancrivora</i> Peters 1864	Itoanago	S	C
	<i>Saurenchelys</i> sp. (T. Hibino pers. comm.)	Itoanago zoku no isshu	S	VR
Clupeidae	<i>Amblygaster leiogaster</i> (Valenciennes in Cuvier & Valenciennes 1847)	Yamatomizun	S	R
	<i>Dussumieria elopsoides</i> Bleeker 1849	Giniwashi	S	C
	<i>Engraulis japonicus</i> Temminck & Schlegel 1846	Katakuchiiwashi	S	C
	<i>Etrumeus teres</i> (DeKay 1842)	Urumeiwashi	S	C
	<i>Herklotsichthys quadrimaculatus</i> (Rüppell 1837)	Mizun	S	C
	<i>Ilisha elongate</i> (Anonymous in Bennett 1830)	Hira	S	R
	<i>Konosirus punctatus</i> (Temminck & Schlegel 1846)	Konoshiro	S	C
	<i>Nematalosa japonica</i> Regan 1917	Dorokui	S	VR
	<i>Sardinella lemuru</i> Bleeker 1853	Kataboshiiwashi	S	VC

Family	Scientific name	Japanese name	Confirmation	Occurrence
	<i>Sardinella melanura</i> (Cuvier 1829)	Oguroiwashi	S	VC
	<i>Sardinella zunasi</i> (Bleeker 1854)	Sappa	S	VC
	<i>Sardinops melanostictus</i> (Temminck & Schlegel 1846)	Maiwashi	S	VR & VC variably
	<i>Sardinops sirm</i> (Walbaum 1792)	Hoshiyamatomizun	S	R
	<i>Spratelloides delicatulus</i> (Bennett 1832)	Minamikibinago	S	R
	<i>Spratelloides gracilis</i> (Temminck & Schlegel 1846)	Kibinago	S	VC
Engraulidae	<i>Stolephorus commersonii</i> Lacepède 1803	Yaeyamaainokoiwashi	S	R
	<i>Stolephorus heteroloba</i> (Rüppell 1837)	Mizusururu	S	R
	<i>Stolephorus indicus</i> (van Hasselt 1823)	Indoainokoiwashi	S	R
Chanidae	<i>Chanos chanos</i> (Forsskål 1775)	Sabahi	S	C
Gonorynchidae	<i>Gonorynchus abbreviatus</i> Temminck & Schlegel 1846	Nezumigisu	S	C
Cyprinidae	<i>Carassius auratus</i> subsub. 2 (T. Nakabo 2013 <sup>18)</sup> ; 309)	Kinbuna	S	VR & ID (R, ?rearing)
	<i>Carassius burgeri burgeri</i> Temminck & Schlegel 1846	Ookinbuna	REF <sup>29)</sup>	C in some ponds
	<i>Carassius cuvieri</i> Temminck & Schlegel 1846	Gengorobuna	S	ID (C, rearing) <sup>61-62)</sup>
	<i>Carassius langsdorfii</i> Temminck & Schlegel 1846	Ginbuna	S	VC
	<i>Cyprinus carpio</i> Linnaeus 1758	Koi	S	C
	<i>Gnathopogon caeruleus</i> (Sauvage 1883)	Honmoroko	S	ID (C, rearing)
	<i>Gnathopogon elongatus</i> (Temminck & Schlegel 1846)	Tamoroko	S	ID (C, rearing)
	<i>Moroco jouyi</i> (Jordan & Snyder 1901)	Takahaya	S	VC
	<i>Nipponocypris temminckii</i> (Temminck & Schlegel 1846)	Kawamutsu	S	VC
	<i>Opsariichthys platypus</i> (Temminck & Schlegel 1846)	Oikawa	S	VC
	<i>Opsariichthys uncirostris uncirostris</i> (Temminck & Schlegel 1846)	Hasu	S	ID (R but C before)
	<i>Pseudogobio esocinus esocinus</i> (Temminck & Schlegel 1846)	Kamatsuka	S	VC
	<i>Pseudorasbora parva</i> (Temminck & Schlegel 1846)	Motsugo	S	R
	<i>Pungtungia herzi</i> Herzenstein 1892	Mugitsuku	P	ID (C)
	<i>Rhodeus ocellatus kurumeus</i> Jordan & Thompson 1914	Nipponbaratanago	S	R or ?ID
	<i>Rhodeus ocellatus cellatus</i> (Kner 1866)	Tairikubaratanago	S <sup>3)</sup>	ID (C)
	<i>Sarcocheilichthys variegatus microoculus</i> Mori 1927	Biwahigai	S	ID (R)
	<i>Sarcocheilichthys variegatus variegatus</i> (Temminck & Schlegel 1846)	Kawahigai	S	ID (R)
	<i>Scardinius erythrophthalmus</i> (Linnaeus 1758)	Common rudd	S	IF (probably Ext)
	<i>Squalidus gracilis gracilis</i> (Temminck & Schlegel 1846)	Itomoroko	S	ID (R)
	<i>Tribolodon hakonensis</i> (Günther 1877)	Ugui	S	VC
Cobitidae	<i>Cobitis matsubarae</i> (Okada & Ikeda 1939)	Yamatoshimadojo	S	VR
	<i>Cobitis sakahoko</i> Nakajima & Suzawa 2015	Ooyodoshimadojo	REF <sup>28)</sup>	VR
	<i>Misgurnus anguillicaudata</i> (Cantor 1842)	Dojyo	S	R
	<i>Misgurnus dabryanus</i> (Sauvage 1878)	Karadojyo	S	IF (rearing but C)
Ictaluridae	<i>Ictalurus punctatus</i> (Rafinesque 1818)	Chanerukyattofishu	S	IF (R) <sup>61-62)</sup>
Bagridae	<i>Tachysurus aurantiacus</i> (Temminck & Schlegel 1846)	Ariakegibachi	S	R
Siluridae	<i>Silurus asotus</i> (Linnaeus 1758)	Namazu	S	R
Amblycipitidae	<i>Liobagrus reinii</i> Hilgendorf 1878	Akaza	REF <sup>12, 60)</sup>	Ext
Plotosidae	<i>Plotosus lineatus</i> (Thunberg 1787)	Minamigonzui	REF <sup>37)</sup>	R
	<i>Plotosus japonicus</i> Yoshino & Kishimoto 2008	Gonzui	S	VC
Argentinidae	<i>Argentina kagoshimae</i> Jordan & Snyder 1902	Kagoshimanigisu	S	VR
	<i>Glossanodon semifasciatus</i> (Kishinouye 1904)	Nigisu	S	C
Osmeridae	<i>Hypomesus nipponensis</i> McAllister 1963	Wakasagi	S	ID (C) <sup>61-62)</sup>
Plecoglossidae	<i>Plecoglossus altivelis altivelis</i> (Temminck & Schlegel 1846)	Ayu	S	C
Salangidae	<i>Salangichthys ishikawae</i> Wakiya & Takahashi 1913	Ishikawashirauo	S	VR
	<i>Salangichthys microdon</i> (Bleeker 1860)	Shirauo	S	VR
Salmonidae	<i>Coregonus peled</i> (Gmelin 1789)	Coregonusuperreddo	S	IF <sup>61-62)</sup>
	<i>Oncorhynchus masou ishikawae</i> Jordan & McGregor in Jordan & Hubbs 1925	Amago	S	ID
	<i>Oncorhynchus keta</i> (Walbaum 1792)	Sake	S	VR
	<i>Oncorhynchus masou masou</i> (Brevoort 1856)	Yamame	S	C
	<i>Oncorhynchus mykiss</i> (Walbaum 1792)	Nijimasu	S	IF (rearing) <sup>61-62)</sup>
	<i>Salvelinus leucomaenis japonicus</i> Oshima 1961	Yamatoiwana	S	ID
	<i>Salvelinus leucomaenis pluvius</i> (Hilgendorf 1876)	Nikkoiwana	S	ID (rearing) <sup>61-62)</sup> or C
Sternopychidae	<i>Polyipnus matsubarai</i> Schultz 1961	Hoshihoneneso	S	C
	<i>Polyipnus stereope</i> Jordan & Starks 1904	Katahoneneso	S	C
Phosichthyidae	<i>Polymetme corythaeola</i> (Alcock 1898)	Ginhadaka	S	C
Ateleopodidae	<i>Ateleopus japonicus</i> Bleeker 1854	Shachiburi	S	C
	<i>Ateleopus purpureus</i> Tanaka 1915	Murasakishachiburi	S	C
	<i>Ateleopus tanabensis</i> Tanaka 1918	Tanabeshachiburi	S	C
Synodontidae	<i>Saurida elongata</i> (Temminck & Schlegel 1846)	Tokageeso	S	R
	<i>Saurida gracilis</i> (Quoy & Gaimard 1824)	Madaraeso	S	C
	<i>Saurida macrolepis</i> Tanaka 1917	Maeso	S	C
	<i>Saurida nebulosa</i> Valenciennes in Cuvier & Valenciennes 1850	Uchiumimadaraeso	S	C
	<i>Saurida wanieso</i> Shindo & Yamada 1972	Wanieso	S	C
	<i>Synodus dermatogenys</i> Fowler 1912	Minamiakaeso	S	C
	<i>Synodus fuscus</i> Tanaka 1917	Sunaeso	S	R
	<i>Synodus hoshinonis</i> Tanaka 1917	Hoshinoeso	S	C

Family	Scientific name	Japanese name	Confirmation	Occurrence
	<i>Synodus jaculum</i> Russell & Cressey 1979	Oguroeso	S	R
	<i>Synodus kaianus</i> (Günther 1880)	Hanatogoeso	S	C
	<i>Synodus macrops</i> Tanaka 1917	Chochoeso	S	R
	<i>Synodus ulae</i> Schultz in Schultz et al. 1953	Akaeso	S	C
	<i>Synodus variegatus</i> (Lacepède 1803)	Hitosujieso	S	C
	<i>Trachinocephalus myops</i> (Forster in Bloch & Schneider 1801)	Okieso	S	C
Aulopidae	<i>Aulopus formosana</i> Lee & Chao 1994	Itohikihime	S	R
	<i>Aulopus</i> sp. (Nakabo 2013 <sup>18)</sup> : 421, 1849)	Hatatatehime	S	R
	<i>Hime japonica</i> (Günther 1877)	Hime	S	C
Chlorophthalmidae	<i>Chlorophthalmus acutifrons</i> Hiyama 1940	Tomomehikari	S	R
	<i>Chlorophthalmus albatrossis</i> Jordan & Starks 1904	Aomeeso	S	C
Neoscopelidae	<i>Neoscopelus macrolepidotus</i> Johnson 1863	Sotooriiwashi	S	R
	<i>Neoscopelus microchir</i> Matsubara 1943	Sangoiwashi	S	R
	<i>Neoscopelus porosus</i> Arai 1969	Shichigoiwashi	S	R
Myctophidae	<i>Diaphus chrysorhynchus</i> Gilbert & Cramer 1897	Sagamihadaka	S	R
	<i>Diaphus malayanus</i> Weber 1913	Hanarehadaka	S	R
	<i>Diaphus watasei</i> Jordan & Starks 1904	Hadakaiwashi	S	VC
	<i>Lampanyctus festivus</i> (Tåning 1928)	Nijihadaka	S	R
Veliferidae	<i>Velifer hypselopterus</i> Bleeker 1879	Kusaaaji	S	C
Lampridae	<i>Lampris guttatus</i> (Brünnich 1788)	Akamanbo	S	C
Lophotidae	<i>Desmodema polystictum</i> (Ogilby 1897)	Furisodeuo	S	C
	<i>Lophotus capellei</i> Temminck & Schlegel 1845	Akanamada	S	C
Trachipteridae	<i>Trachipterus ishikawae</i> Jordan & Snyder 1901	Sakegashira	S	C
	<i>Trachipterus trachyptenus</i> (Gmelin 1789)	Tengaihata	S	C
Regalecidae	<i>Regalecus russelii</i> (Cuvier 1816)	Ryugunotsukai	S	R
Polymixiidae	<i>Polymixia berndti</i> Gilbert 1905	Arameginme	S	C
	<i>Polymixia japonica</i> Günther 1877	Ginmedai	S	C
	<i>Polymixia longispina</i> Deng, Xiong & Zhan 1983	Kiraraginme	S	C
Moridae	<i>Gadella jordani</i> (Böhlke & Mead 1951)	Nagachigodara	S	R
	<i>Lotella phycis</i> (Temminck & Schlegel 1846)	Isoainame	S	C
	<i>Physiculus japonicus</i> Hilgendorf 1879	Chigodara	S	C
	<i>Physiculus maximowiczi</i> (Herzenstein 1896)	Ezoisoainame	S	R
	<i>Physiculus nigripinnis</i> Okamura in Okamura et al. 1982	Hiregurochigodara	S	R
Bregmacerotidae	<i>Bregmaceros japonicus</i> Tanaka 1908	Saiuo	S	C
	<i>Bregmaceros nectabanus</i> Whitley 1941	Toyamasaiuo	S	C
Macrouridae	<i>Caelorinchus hubbsi</i> Matsubara 1936	Moyohige	S	C
	<i>Caelorinchus japonicus</i> (Temminck & Schlegel 1846)	Tojin	S	C
	<i>Caelorinchus jordani</i> Smith & Pope 1906	Kyushuhige	S	C
	<i>Caelorinchus kamoharai</i> Matsubara 1943	Ichimonjihige	S	C
	<i>Caelorinchus longissimus</i> Matsubara 1943	Tongarihige	S	C
	<i>Caelorinchus multispinulosus</i> Katayama 1942	Yarihige	S	C
	<i>Caelorinchus smithi</i> Gilbert & Hubbs 1920	Kishuhige	S	C
	<i>Gadomus colletti</i> Jordan & Gilbert in Jordan & Starks 1904	Katadara	S	C
	<i>Hymenocephalus gracilis</i> Gilbert & Hubbs 1920	Onisujidara	S	C
	<i>Hymenocephalus longiceps</i> Smith & Radcliffe in Radcliffe 1912	Wanidara	S	C
	<i>Hymenocephalus papyraceus</i> Jordan & Gilbert in Jordan & Starks 1904	Kamidara	S	C
	<i>Hymenocephalus striatissimus</i> Jordan & Gilbert in Jordan & Starks 1904	Sujidara	S	C
	<i>Malacocephalus nipponensis</i> Gilbert & Hubbs 1916	Nihonmanjudara	S	C
	<i>Nezumia condylura</i> Jordan & Gilbert in Jordan & Starks 1904	Nezumidara	S	C
	<i>Pseudonezumia cetonuropsis</i> (Gilbert & Hubbs 1916)	Chidorihige	S	C
	<i>Ventrifossa garmani</i> Jordan & Gilbert in Jordan & Starks 1904	Sagamisokodara	S	C
	<i>Ventrifossa misakia</i> Jordan & Gilbert in Jordan & Starks 1904	Misakisokodara	S	C
Bythitidae	<i>Brotula multibarbata</i> Temminck & Schlegel 1846	Itachiyo	S	C
	<i>Cataelyx lepidogenys</i> (Smith & Radcliffe in Radcliffe 1913)	Fusaitachiyo	S	C
	<i>Glyptophidium japonicum</i> Kamohara 1936	Shirochoman	S	C
	<i>Grammonus robustus</i> (Smith & Radcliffe in Radcliffe 1913)	Sedakaitachiyo	S	R
	<i>Hoplobrotula armata</i> (Temminck & Schlegel 1846)	Yoroiitachiyo	S	C
	<i>Monomitopus kumae</i> Jordan & Hubbs 1925	Kumaitachiyo	S	C
	<i>Monomitopus pallidus</i> Smith & Radcliffe in Radcliffe 1913	Yaebakumaitachiyo	S	R
	<i>Neobythites unimaculatus</i> Smith & Radcliffe in Radcliffe 1913	Sumitsukiitachiyo	S	C
	<i>Neobythites siicola</i> Jordan & Snyder 1901	Shioitachiyo	S	C
	<i>Neobythites stigmatosus</i> Machida in Okamura & Kitajima 1984	Shimaitachiyo	S	C
Ophidiidae	<i>Ophidion asiro</i> (Jordan & Fowler 1902)	Ashiro	S	C
	<i>Pycnocrospedum microlepis</i> (Matsubara 1943)	Himeitachiyo	S	R
	<i>Siremo imberbis</i> (Temminck & Schlegel 1846)	Umidojo	S	C
Carapidae	<i>Eurypleuron owasianus</i> (Matsubara 1953)	Sokokakureuo	S	R
	<i>Saurida umeyoshii</i> Inoue & Nakabo 2006	Kuroeso	S	C
Lophiidae	<i>Lophiomus setigerus</i> (Vahl 1797)	Anko	S	C
	<i>Lophius litulon</i> (Jordan 1902)	Kianko	S	C

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Antennariidae	<i>Antennarius commersonii</i> (Latreille 1804)	Oomonkaeruanko	S	C	
	<i>Antennarius hispidus</i> (Bloch & Schneider 1801)	Bonborikaeruanko	S	C	
	<i>Antennarius nummifer</i> (Cuvier 1817)	Benikaeruanko	S	R	
	<i>Antennarius striatus</i> (Shaw in Shaw & Nodder 1794)	Kaeruanko	S	C	
	<i>Histrio histrio</i> (Linnaeus 1758)	Hanaokoze	S	C	
Chaunacidae	<i>Chaunax abei</i> Le Danois 1978	Midorifusaanko	S	R	
	<i>Chaunax fimbriatus</i> Hilgendorf 1879	Honfusaanko	S	C	
Ogcocephalidae	<i>Halicmetus reticulatus</i> Smith & Radcliffe in Radcliffe 1912	Amimefuryuuo	S	R	
	<i>Halieutaea fumosa</i> Alcock 1894	Himeakagutsu	S	C	
	<i>Halieutaea fitzsimonsi</i> (Gilchrist & Thompson 1916)	Okiakagutsu	S	C	
	<i>Halieutaea</i> sp. 3 (T. Nakabo 2013 <sup>18</sup> ; 550, 1887)	Heriguroakagutsu	S	R	
	<i>Halieutaea stellata</i> (Vahl 1797)	Akagutsu	S	C	
	<i>Halieutopsis bathyoreos</i> Bradbury 1988	Hiramushifuryuuo	S	R	
	<i>Malthopsis annulifera</i> Tanaka 1908	Wanukefuryuuo	S	C	
	<i>Malthopsis kobayashii</i> Tanaka 1916	Furyuuo	S	C	
	<i>Malthopsis gigas</i> Ho & Shao 2010	Kowanukefuryuuo	S	C	
	Cetomimidae	<i>Eutaeniophorus festivus</i> (Bertelsen & Marshall 1956)	Riboniwashi	S	R
Berycidae	<i>Beryx decadactylus</i> Cuvier in Cuvier & Valenciennes 1829	Nanyokinme	S	C	
	<i>Beryx splendens</i> Lowe 1834	Kinmedai	S	C	
Holocentridae	<i>Myripristis amaenus</i> (Castelnaud 1873)	Amematsukasa	S	C	
	<i>Myripristis berndti</i> Jordan & Evermann 1903	Akamatsukasa	S	C	
	<i>Myripristis botche</i> Cuvier 1829	Urokomatsukasa	S	C	
	<i>Myripristis greenfieldi</i> Randall & Yamakawa 1996	Tsumarimatsukasa	S	C	
	<i>Myripristis kochiensis</i> Randall & Yamakawa 1996	Namimatsukasa	S	C	
	<i>Myripristis kuntee</i> Valenciennes in Cuvier & Valenciennes 1831	Kuroobimatsukasa	S	C	
	<i>Myripristis murdjan</i> (Forsskål 1775)	Yogorematsukasa	S	R	
	<i>Neoniphon samara</i> (Forsskål 1775)	Ukeguchiitodai	S	C	
	<i>Ostichthys japonicus</i> (Cuvier in Cuvier & Valenciennes 1829)	Ebisudai	S	C	
	<i>Ostichthys kaianus</i> (Günther 1880)	Kaiebisu	S	C	
	<i>Plectrypops lima</i> (Valenciennes in Cuvier & Valenciennes 1831)	Ryukyuebisu	S	C	
	<i>Pristilepis oligolepis</i> (Whitley 1941)	Yaseebisu	S	C	
	<i>Sargocentron diadema</i> (Lacepède 1802)	Nijiebisu	S	C	
	<i>Sargocentron ensiferum</i> (Jordan & Evermann 1903)	Hanaebisu	S	C	
	<i>Sargocentron ittodai</i> (Jordan & Fowler 1902)	Teriebisu	S	C	
	<i>Sargocentron melanospilos</i> (Bleeker 1858)	Sumitsukikanoko	S	R	
	<i>Sargocentron prasinum</i> (Lacepède 1802)	Kuroobiebisu	S	C	
	<i>Sargocentron punctatissimum</i> (Cuvier in Cuvier & Valenciennes 1829)	Hoshiebisu	S	C	
	<i>Sargocentron rubrum</i> (Forsskål 1775)	Ayameebisu	S	C	
	<i>Sargocentron spiniferum</i> (Forsskål 1775)	Togariebisu	S	C	
	<i>Sargocentron spinosissimum</i> (Temminck & Schlegel 1843)	Ittodai	S	C	
	Trachichthyidae	<i>Gephyroberyx japonicus</i> (Döderlein in Steindachner & Döderlein 1883)	Hashikinme	S	C
		<i>Hoplostethus japonicus</i> Hilgendorf 1879	Hiuchidai	S	C
<i>Paratrachichthys prosthemi</i> (Jordan & Fowler 1902)		Haridashiebisu	S	C	
<i>Paratrachichthys sajademalensis</i> (Kotlyar 1979)		Minamiharidashiebisu	S	R	
Monocentridae	<i>Monocentris japonica</i> (Houttuyn 1782)	Matsukasauo	S	C	
	<i>Sargocentron tiere</i> (Cuvier in Cuvier & Valenciennes 1829)	Aosujiebisu	S	C	
Parazenidae	<i>Cyttopsis rosea</i> (Lowe 1843)	Kagomatodai	S	C	
Zeniidae	<i>Parazen pacificus</i> Kamohara 1935	Benimatodai	S	C	
	<i>Zenion japonicum</i> Kamohara 1934	Sokomatodai	S	C	
Zeidae	<i>Zenopsis nebulosa</i> (Temminck & Schlegel 1845)	Kagamidai	S	C	
	<i>Zeus faber</i> Linnaeus 1758	Matodai	S	VC	
Grammicolepididae	<i>Xenolepidichthys dalgleishi</i> Gilchrist 1922	Hishimatodai	S	C	
Pegasidae	<i>Eurypegasus draconis</i> (Linnaeus 1766)	Umitengu	S	R	
Aulostomidae	<i>Aulostomus chinensis</i> (Linnaeus 1766)	Herayagara	S	C	
Fistulariidae	<i>Fistularia commersonii</i> Rüppell 1838	Aoyagara	S	C	
	<i>Fistularia petimba</i> Lacepède 1803	Akayagara	S	C	
Macroramphosidae	<i>Macroramphosus japonicus</i> (Günther 1861)	Daikokusagifue	S	C	
	<i>Macroramphosus sagifue</i> Jordan & Starks 1902	Sagifue	S	C	
Centriscidae	<i>Aeoliscus strigatus</i> (Günther 1861)	Hekoayu	S	R	
	<i>Centriscus scutatus</i> Linnaeus 1758	Yoroiuo	S	C	
Solenostomidae	<i>Solenostomus paradoxa</i> (Pallas 1770)	Nishikifuraiuo	S	C	
Syngnathidae	<i>Corythoichthys haematopterus</i> (Bleeker 1851)	Ishiyoji	S	C	
	<i>Doryrhamphus japonica</i> Araga & Yoshino in Masuda 1975	Nokogiriyoji	S	R	
	<i>Hippichthys heptagonus</i> Bleeker 1849	Amimekawayoji	REF <sup>54</sup>	R	
	<i>Hippichthys penicillus</i> (Cantor 1849)	Gantenishiyoji	S	C	
	<i>Hippichthys spicifer</i> (Rüppell 1838)	Kawayoji	S	R	
	<i>Hippocampus kelloggi</i> Jordan & Snyder 1901	Ooumiuma	S	R	
	<i>Hippocampus kuda</i> Bleeker 1852	Kuroumiuma	S	R	
	<i>Hippocampus mohnikei</i> Bleeker 1854	Sangotatsu	S	R	

Family	Scientific name	Japanese name	Confirmation	Occurrence
	<i>Hippocampus</i> sp. (not yet identified)	Tatsunootoshigo zoku no isshu	P <sup>2</sup>	R
	<i>Hippocampus trimaculatus</i> Leach 1814	Takakuratatsu	S	C
	<i>Microphis brachyurus</i> Bleeker 1853	Tenguyoji	P	R
	<i>Microphis leiaspis</i> (Bleeker 1853)	Issenyoji	S	C
	<i>Microphis retzii</i> (Bleeker 1856)	Taniyoji	S	R
	<i>Pegasus latemarius</i> Cuvier 1816	Tengunootoshigo	S	R
	<i>Syngnathoides biaculeatus</i> (Bloch 1785)	Togeyoji	S	R
	<i>Syngnathus schlegelii</i> Kaup 1856	Yojiuo	S	R
	<i>Trachyrhamphus serratus</i> (Temminck & Schlegel 1850)	Hifukiyoji	S	R
	<i>Urocampus nanus</i> Günther 1870	Okuyoji	REF <sup>(54)</sup>	R
Mugilidae	<i>Chelon affinis</i> (Günther 1861)	Sesujibora	S	VC
	<i>Chelon haematocheilus</i> (Temminck & Schlegel 1845)	Menada	REF <sup>(54)</sup>	VR
	<i>Chelon macrolepis</i> (Smith 1846)	Kobora	S	C
	<i>Crenimugil crenilabis</i> (Forsskål 1775)	Furaibora	S	C
	<i>Ellochelon vaigiensis</i> (Quoy & Gaimard 1825)	Onibora	S	R
	<i>Mugil cephalus cephalus</i> Linnaeus 1758	Bora	S	VC
	<i>Mugil perusii</i> (Valenciennes in Cuvier & Valenciennes 1836)	Nanyobora	S	C
	<i>Oedalechilus labiatus</i> (Valenciennes in Cuvier & Valenciennes 1836)	Waniguchibora	S	C
Atherinidae	<i>Atherinomorus lacunosus</i> (Forster in Bloch & Schneider 1801)	Yakushimawashi	S	C
	<i>Atherinomorus pinguis</i> (Lacepède 1803)	Hosoobiyakushimawashi	S	C
	<i>Atherion elymus</i> Jordan & Starks 1901	Mugiwashii	S	C
	<i>Basilichthys bonariensis</i> (Valenciennes in Cuvier & Valenciennes 1835)	Peherai	S	IF (rearing before) <sup>(61-62)</sup>
	<i>Hypoatherina tsurugae</i> (Jordan & Starks 1901)	Ginisoiwashi	S	C
	<i>Hypoatherina valenciennesi</i> (Bleeker 1853)	Togoroiwashi	S	C
Notocheiridae	<i>Iso flosmaris</i> Jordan & Starks 1901	Naminohana	S	C
Poeciliidae	<i>Gambusia affinis</i> (Baird & Girard 1853)	Kadayashi	S	IF (VC)
Adrianchthyidae	<i>Oryzias latipes</i> (Temminck & Schlegel 1846)	Minamimedaka	S	C
Hemiramphidae	<i>Euleptorhamphus viridis</i> (van Hasselt 1823)	Tozayori	S	C
	<i>Hemiramphus marginatus</i> (far Forsskål 1775)	Hoshizayori	S	C
	<i>Hemiramphus lutkei</i> Valenciennes in Cuvier & Valenciennes 1847	Nanyosayori	S	C
	<i>Hyporhamphus dussumieri</i> (Valenciennes in Cuvier & Valenciennes 1847)	Marusayori	S	C
	<i>Hyporhamphus intermedius</i> (Cantor 1842)	Kurumesayori	S	VR
	<i>Hyporhamphus sajori</i> (Temminck & Schlegel 1846)	Sayori	S	C
	<i>Hyporhamphus yuri</i> Collette & Parin 1978	Yurisayori	S	C
Exocoetidae	<i>Cypselurus agoo</i> (Temminck & Schlegel 1846)	Tobiuo	S	C
	<i>Cypselurus hiraii</i> Abe in Tomiyama & Abe 1953	Hosotobiuo	S	C
	<i>Cypselurus pinnatibarbus japonicus</i> (Franz 1910)	Hamatobiuo	S	C
	<i>Cypselurus longibarbus</i> (Parin 1961)	Ukeguchitobiuo	S	C
	<i>Cypselurus poecilopterus</i> (Valenciennes in Cuvier & Valenciennes 1847)	Ayatobiuo	S	C
	<i>Cypselurus starksi</i> Abe in Tomiyama & Abe 1953	Ariaketobiuo	S	C
	<i>Exocoetus doederleini</i> Steindachner in Steindachner & Döderlein 1887	Tsukushitobiuo	S	C
	<i>Parexocoetus brachypterus</i> (Richardson 1846)	Tsumaritobiuo	S	C
	<i>Parexocoetus mento</i> (Valenciennes in Cuvier & Valenciennes 1847)	Bashotobiuo	S	C
	<i>Prognichthys sealei</i> Abe 1955	Darumatobi	S	C
Belonidae	<i>Ablennes hians</i> (Valenciennes in Cuvier & Valenciennes 1846)	Hamadatsu	S	C
	<i>Platybelone argalus platyura</i> (Bennett 1832)	Himedatsu	S	C
	<i>Strongylura anastomella</i> (Valenciennes in Cuvier & Valenciennes 1846)	Datsu	S	C
	<i>Tylosurus acus melanotus</i> (Bleeker 1851)	Tenjikutatsu	S	R
	<i>Tylosurus crocodilus crocodilus</i> (Peron & Lesueur in Lesueur 1821)	Okizayori	S	R
Scomberesocidae	<i>Cololabis saira</i> (Brevoort 1856)	Sanma	S	C
Sebastidae	<i>Sebastes cheni</i> Barsukov 1988	Shiromebaru	S	C
	<i>Sebastes inermis</i> Cuvier in Cuvier & Valenciennes 1829	Akamebaru	S	C
	<i>Sebastes pachycephalus</i> Temminck & Schlegel 1843	Murasoi	S	C
	<i>Sebastes schlegelii</i> Hilgendorf 1880	Kurosoi	S	C
	<i>Sebasticus albofasciatus</i> (Lacepède 1802)	Ayamekasago	S	C
	<i>Sebasticus marmoratus</i> (Cuvier in Cuvier & Valenciennes 1829)	Kasago	S	VC
	<i>Sebasticus tertius</i> (Barsukov & Chen 1978)	Ukkarikasago	S	C
Scorpaenidae	<i>Dendrochirus brachypterus</i> Cuvier in Cuvier & Valenciennes 1829	Shimahimeyamanokami	S	R
	<i>Dendrochirus zebra</i> (Cuvier in Cuvier & Valenciennes 1829)	Kirinmino	S	C
	<i>Helicolenus hilgendorfi</i> (Döderlein in Steindachner & Döderlein 1884)	Yumekasago	S	C
	<i>Hoplosebastes armatus</i> Schmidt 1929	Hanakasago	S	C
	<i>Parascorpaena mcadamsi</i> (Fowler 1938)	Togeiittenfusakasago	S	C
	<i>Parascorpaena mossambica</i> (Peters 1855)	Nettaifusakasago	S	C
	<i>Pontinus macrocephalus</i> (Sauvage 1882)	Hiodoshi	S	VR
	<i>Pterois antennata</i> (Bloch 1787)	Nettaininokasago	S	C
	<i>Parapterois heterurus</i> Bleeker 1856	Setominokasago	S	C
	<i>Pterois lunulata</i> Temminck & Schlegel 1843	Minokasago	S	C
	<i>Pterois volitans</i> (Linnaeus 1758)	Hanaminokasago	S	C
	<i>Rhinopias frondosa</i> (Günther 1892)	Borokasago	S	C



Family	Scientific name	Japanese name	Confirmation	Occurrence
	<i>Setarches guentheri</i> Johnson 1862	Shirokasago	S	C
	<i>Setarches longimanus</i> (Alcock 1894)	Akakasago	S	C
	<i>Scorpaena miostoma</i> Günther 1877	Kokuchifusakasago	S	C
	<i>Scorpaena neglecta</i> Temminck & Schlegel 1843	Izukasago	S	C
	<i>Scorpaena onaria</i> Jordan & Snyder 1900	Fusakasago	S	C
	<i>Scorpaenodes evides</i> (Jordan & Thompson 1914)	Isokasago	S	C
	<i>Scorpaenodes scaber</i> (Ramsay & Ogilby 1886)	Sangokasago	S	C
	<i>Scorpaenopsis cirrosa</i> (Thunberg 1793)	Onikasago	S	C
	<i>Scorpaenopsis diabolus</i> (Cuvier 1829)	Niraikasago	S	C
	<i>Scorpaenopsis neglecta</i> Heckel 1837	Satsumakasago	S	C
	<i>Scorpaenopsis oxycephala</i> (Bleeker 1849)	Oourumakasago	S	C
	<i>Scorpaenopsis papuensis</i> (Cuvier 1829)	Urumakasago	S	C
	<i>Scorpaenopsis possi</i> Randall & Eschmeyer 2002	Mimitogeonikasago	S	C
	<i>Scorpaenopsis venosa</i> (Cuvier 1829)	Hyugakasago	S	C
	<i>Scorpaenopsis orientalis</i> Randall & Eschmeyer 2001	Toyourumakasago	S	C
	<i>Scorpaenopsis ramaraoi</i> Randall & Eschmeyer 2001	Inukasago	S	C
	<i>Taenianotus triacanthus</i> Lacepède 1802	Hadakahaokoze	W <sup>3</sup>	R
Apistidae	<i>Apistus carinatus</i> Bloch & Schneider 1801	Hachi	S	C
Tetraogidae	<i>Hypodytes rubripinnis</i> (Temminck & Schlegel 1843)	Haokoze	S	C
	<i>Ocosia vespa</i> Jordan & Starks 1904	Hachiokoze	S	C
	<i>Snyderina yamanokami</i> Jordan & Starks 1901	Yamahime	S	R
Synanceiidae	<i>Erosia erosa</i> (Cuvier in Cuvier & Valenciennes 1829)	Darumaokoze	S	C
	<i>Inimicus japonicus</i> (Cuvier in Cuvier & Valenciennes 1829)	Oniokoze	S	C
	<i>Minous monodactylus</i> (Bloch & Schneider 1801)	Himeokoze	S	C
	<i>Minous pusillus</i> Temminck & Schlegel 1843	Yaseokoze	S	C
	<i>Minous quincarinatus</i> (Fowler 1943)	Itokoze	S	C
	<i>Synanceia verrucosa</i> Bloch & Schneider 1801	Onidarumaokoze	S	C
Aploactinidae	<i>Aploactis aspera</i> Richardson 1845	Ibookoze	S	C
	<i>Erisphex pottii</i> (Steindachner 1896)	Abuokoze	S	C
	<i>Kanekonia florida</i> Tanaka 1915	Hanachigookoze	S	C
Neosebastidae	<i>Neosebastes entaxis</i> Jordan & Starks 1904	Hirenagakasago	S	R
Plectrogenidae	<i>Plectrogenium nanum</i> Gilbert 1905	Himekichiji	S	R
Bembridae	<i>Bembras japonicus</i> Cuvier in Cuvier & Valenciennes 1829	Akagochi	S	C
	<i>Cociella crocodila</i> (Cuvier 1829)	Inegoichi	S	C
	<i>Eurycephalus arenicola</i> (Schultz in Schultz et al. 1966)	Sunagoichi	S	C
	<i>Inegocia ochiaii</i> Imamura 2010	Wanigoichi	S	R
	<i>Inegocia japonica</i> (Tilesius 1812)	Tokagegoichi	S	R
Triglidae	<i>Chelidonichthys spinosus</i> (McClelland 1844)	Hobo	S	VC
	<i>Lepidotrigla abyssalis</i> Jordan & Starks 1904	Sokokanagashira	S	C
	<i>Lepidotrigla alata</i> (Houttuyn 1782)	Igodakahoderi	S	C
	<i>Lepidotrigla guentheri</i> Hilgendorf 1879	Kanado	S	C
	<i>Lepidotrigla hime</i> Matsubara & Hiyama 1932	Himesokokanagashira	S	C
	<i>Lepidotrigla japonica</i> (Bleeker 1857)	Togekanagashira	S	C
	<i>Lepidotrigla kishinouyei</i> Snyder 1911	Onikanagashira	S	C
	<i>Lepidotrigla microptera</i> Günther 1873	Kanagashira	S	C
	<i>Lepidotrigla punctipectoralis</i> Fowler 1938	Hirehoshikanagashira	S	C
	<i>Pterygotrigla hemisticta</i> (Temminck & Schlegel 1843)	Sokohobo	S	C
Peristediidae	<i>Peristedion liorhynchus</i> (Günther 1872)	Moyokihobo	S	C
	<i>Peristedion nierstraszi</i> Weber 1913	Herikihobo	S	R
	<i>Peristedion orientale</i> Temminck & Schlegel 1843	Kihobo	S	C
	<i>Scalicus amiscus</i> (Jordan & Starks 1904)	Higekihobo	S	R
	<i>Scalicus engyceros</i> (Günther 1872)	Sokokihobo	S	C
	<i>Paraheminodus laticephalus</i> Kamohara 1952	Kotokihobo	S	C
	<i>Paraheminodus murrayi</i> (Günther 1880)	Hanabirokihobo	S	R
	<i>Satyrichthys rieffeli</i> (Kaup 1859)	Isokihobo	S	C
	<i>Scalicus serrulatus</i> (Alcock 1898)	Togekihobo	S	C
	<i>Satyrichthys welchi</i> (Herre 1925)	Honokikihobo	S	R
Hoplichthyidae	<i>Hoplichthys filamentosus</i> Matsubara & Ochiai 1950	Itoharigoichi	S	C
	<i>Hoplichthys gilberti</i> Jordan & Richardson 1908	Sokoharigoichi	S	C
	<i>Hoplichthys langsdorffii</i> Cuvier in Cuvier & Valenciennes 1829	Natsuharigoichi	S	R
Platycephalidae	<i>Onigocia macrolepis</i> (Bleeker 1854)	Anesagoichi	S	C
	<i>Onigocia spinosa</i> (Temminck & Schlegel 1844)	Onigoichi	S	C
	<i>Platycephalus</i> sp. 1 (T. Yoshino, pers. comm.)	Yoshinogochi	S	C
	<i>Platycephalus</i> sp. 2 (T. Yoshino, pers. comm.)	Magochi	S	C
	<i>Ratabulus megacephalus</i> (Tanaka 1917)	Hanamegoichi	S	R
	<i>Rogadius asper</i> (Cuvier in Cuvier & Valenciennes 1829)	Matsubagoichi	S	C
	<i>Rogadius patriciae</i> Knapp 1987	Sasanohagoichi	S	R
	<i>Suggrundus meerdevoortii</i> (Bleeker 1860)	Megochi	S	C
	<i>Thysanophrys celebica</i> (Bleeker 1854)	Serebesugochi	S	R

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Dactylopteridae	<i>Dactyloptena gilberti</i> Snyder 1909	Okisemihobo	S	R	
	<i>Dactyloptena orientalis</i> (Cuvier 1829)	Semihobo	S	C	
	<i>Dactyloptena peterseni</i> (Nyström 1887)	Hoshisemihobo	S	C	
Latidae	<i>Lates japonicus</i> Katayama & Taki 1984	Akame	S	R	
Ambassidae	<i>Ambassis miops</i> Günther 1872	Sesujitakasagoishimochi	S	C	
	<i>Ambassis urotaenia</i> Bleeker 1852	Takasagoishimochi	REF <sup>54)</sup>	C	
Sinipercaidae	<i>Coreoperca kawamebari</i> (Temminck & Schlegel 1843)	Oyanirami	P	C	
Lateolabracidae	<i>Lateolabrax japonicus</i> (Cuvier in Cuvier & Valenciennes 1828)	Suzuki	S	VC	
	<i>Lateolabrax latus</i> Katayama 1957	Hirasuzuki	S	VC	
	<i>Lateolabrax maculatus</i> (McClelland 1844)	Tairikusuzuki	S	R	
Polyprionidae	<i>Stereolepis doederleini</i> Lindberg & Krasnyukova 1969	Ookuchiishinagi	S	R	
Acropomatidae	<i>Acropoma hanedai</i> Matsubara 1953	Hanedahotarujako	S	C	
	<i>Acropoma japonicum</i> Günther 1859	Hotarujako	S	C	
	<i>Doederleinia berycoides</i> (Hilgendorf 1879)	Akamutsu	S	C	
	<i>Malakichthys elegans</i> Matsubara & Yamaguti 1943	Nagaoomehata	S	C	
	<i>Malakichthys griseus</i> Döderlein in Steindachner & Döderlein 1883	Oomehata	S	C	
	<i>Malakichthys wakiyae</i> Jordan & Hubbs 1925	Wakiyahata	S	C	
	<i>Synagrops japonicus</i> (Döderlein in Steindachner & Döderlein 1883)	Sumikuiuo	S	C	
	<i>Synagrops philippinensis</i> (Günther 1880)	Himesumikuiuo	S	C	
	<i>Synagrops spinosus</i> Schultz 1940	Nokobasumikuiuo	S	C	
	Serranidae	<i>Aulacocephalus temminckii</i> Bleeker 1854	Rurihata	S	R
		<i>Caprodon schlegelii</i> (Günther 1859)	Akaisaki	S	C
<i>Cephalopholis argus</i> Bloch & Schneider 1801		Aonomehata	S	C	
<i>Cephalopholis boenak</i> (Bloch 1790)		Yamihata	S	C	
<i>Cephalopholis igarashiensis</i> Katayama 1957		Shimahata	S	R	
<i>Cephalopholis miniata</i> (Forsskål 1775)		Yukatahata	S	C	
<i>Cephalopholis sexmaculata</i> (Rüppell 1830)		Kokuhanhata	S	C	
<i>Cephalopholis sonnerati</i> (Valenciennes in Cuvier & Valenciennes 1828)		Azahata	S	C	
<i>Cephalopholis urodeta</i> (Forster in Bloch & Schneider 1801)		Nijihata	S	C	
<i>Chelidoperca hirundinacea</i> (Valenciennes in Cuvier & Valenciennes 1831)		Himekodai	S	C	
<i>Chelidoperca margaritifera</i> (Weber 1913)		Minamihimekodai	S	C	
<i>Chelidoperca pleurospila</i> (Günther 1880)		Hoshihimekodai	S	C	
<i>Cromileptes altivelis</i> (Valenciennes in Cuvier & Valenciennes 1828)		Sarasahata	S	C	
<i>Diploprion bifasciatum</i> Cuvier in Cuvier & Valenciennes 1828		Kihassoku	S	R	
<i>Epinephelus akaara</i> (Temminck & Schlegel 1842)		Kijihata	S	C	
<i>Epinephelus amblycephalus</i> (Bleeker 1857)		Kokutenaohata	S	C	
<i>Epinephelus areolatus</i> (Forsskål 1775)		Oomonhata	S	C	
<i>Epinephelus awoara</i> (Temminck & Schlegel 1842)		Aohata	S	C	
<i>Epinephelus bruneus</i> Bloch 1793		Kue	S	C	
<i>Epinephelus chlorostigma</i> (Valenciennes in Cuvier & Valenciennes 1828)		Hosekihata	S	C	
<i>Epinephelus coeruleopunctatus</i> (Bloch 1790)		Hakutenhata	S	C	
<i>Epinephelus coioides</i> (Hamilton 1822)		Chairomaruhata	S	R	
<i>Epinephelus corallicola</i> (Valenciennes in Cuvier & Valenciennes 1828)		Hoshihigurohata	S	C	
<i>Epinephelus epistictus</i> (Temminck & Schlegel 1842)		Komonhata	S	C	
<i>Epinephelus fasciatus</i> (Costa 1844)		Akahata	S	C	
<i>Epinephelus hexagonatus</i> (Forster in Bloch & Schneider 1801)		Ishigakihata	S	C	
<i>Epinephelus latifasciatus</i> (Temminck & Schlegel 1842)		Oosujihata	S	C	
<i>Epinephelus maculatus</i> (Bloch 1790)		Shirobuchihata	P & W <sup>4)</sup>	R	
<i>Epinephelus merra</i> Bloch 1793		Kanmonhata	S	C	
<i>Epinephelus octofasciatus</i> (Griffin 1926)		Mahatamodoki	S	C	
<i>Epinephelus quoyanus</i> (Valenciennes in Cuvier & Valenciennes 1830)		Moyohata	S	C	
<i>Epinephelus radiatus</i> (Day 1868)		Kakehashihata	S	R	
<i>Epinephelus septemfasciatus</i> (Thunberg 1793)		Mahata	S	C	
<i>Epinephelus tauvina</i> (Forsskål 1775)	Hitomihata	S	R		
<i>Epinephelus trimaculatus</i> (Valenciennes in Cuvier & Valenciennes 1828)	Nominokuchi	P	C		
<i>Epinephelus tukula</i> Morgans 1959	Kasurihata	P	VR		
<i>Grammistes sexlineatus</i> (Thunberg 1792)	Nunosarashi	S	R		
<i>Liopropoma japonicum</i> (Döderlein in Steindachner & Döderlein 1883)	Togehanasuzuki	S	R		
<i>Liopropoma latifasciatum</i> (Tanaka 1922)	Tsurugue	S	R		
<i>Nippon spinosus</i> Cuvier in Cuvier & Valenciennes 1828	Ara	S	C		
<i>Plectranthias kelloggi</i> (Jordan & Evermann 1903)	Azumahanadai	S	C		
<i>Plectranthias japonicus</i> (Steindachner in Steindachner & Döderlein 1883)	Kasumisakuradai	S	R		
<i>Plectranthias kamii</i> Randall 1980	Izuhanadai	S	C		
<i>Plectranthias yamakawai</i> Yoshino 1972	Amamihanadai	S	C		
<i>Plectropomus leopardus</i> (Lacepède 1802)	Sujiara	S	R		
<i>Pseudanthias cooperi</i> (Regan 1902)	Kashiwanadai	P	R		
<i>Pseudanthias dispar</i> (Herre 1955)	Akanehanagoi	S	R		
<i>Pseudanthias fasciatus</i> (Kamohara 1954)	Sujihanadai	W <sup>5)</sup>	R		
<i>Pseudanthias rubrizonatus</i> (Randall 1983)	Akaobihanadai	W <sup>6)</sup>	R		

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	<i>Sacura margaritacea</i> (Hilgendorf 1879)	Sakuradai	S	C
	<i>Tosana niwae</i> Smith & Pope 1906	Himehanadai	S	C
	<i>Triso dermatopterus</i> (Temminck & Schlegel 1842)	Tobihata	S	R
	<i>Variola albimarginata</i> Baissac 1953	Ojirobarahata	S	R
Callanthiidae	<i>Callanthias japonicus</i> Franz 1910	Shikishimahanadai	S	C
Plesiopidae	<i>Plesiops coeruleolineatus</i> Rüppell 1835	Tanabatauo	S	VC
Opistognathidae	<i>Opistognathus</i> sp. (not yet identified)	Agoamadai zoku no isshu	P & W <sup>7</sup>	R
Banjosidae	<i>Banjos banjos</i> (Richardson 1846)	Chosenbakama	S	C
Centrarchidae	<i>Lepomis macrochirus</i> (Rafinesque 1819)	Burugiru	S	IF (C) <sup>(61-62)</sup>
	<i>Micropterus salmoides</i> (Lacepède 1802)	Ookuchibasuu	S	IF (C) <sup>(61-62)</sup>
Priacanthidae	<i>Cookeolus japonicus</i> (Cuvier in Cuvier & Valenciennes 1829)	Chikamekintoki	S	VC
	<i>Heteropriacanthus cruentatus</i> (Lacepède 1801)	Gomahirekintoki	S	VC
	<i>Priacanthus blochii</i> Bleeker 1853	Akanekintoki	S	R
	<i>Priacanthus fitchi</i> Starnes 1988	Usubenikintoki	S	R
	<i>Priacanthus hamrur</i> (Forsskål 1775)	Hosekikintoki	S	VC
	<i>Priacanthus macracanthus</i> Cuvier in Cuvier & Valenciennes 1829	Kintokidai	S	VC
	<i>Priacanthus sagittarius</i> Starnes 1988	Minamikintoki	S	C
	<i>Priacanthus zaiserae</i> Starnes & Moyer in Starnes 1988	Kibirekintoki	S	R
	<i>Pristigenys niphonia</i> (Cuvier in Cuvier & Valenciennes 1829)	Kurumadai	S	VC
	<i>Pristigenys refulgens</i> (Valenciennes 1862)	Minamikurumadai	S	VR
Apogonidae	<i>Apogon carinatus</i> Cuvier in Cuvier & Valenciennes 1828	Matoishimochi	S	C
	<i>Apogon dispar</i> Fraser & Randall 1976	Kaburayatenjikudai	S	C
	<i>Apogon doederleini</i> Jordan & Snyder 1901	Oosujiishimochi	S	C
	<i>Apogon ellioti</i> Day 1875	Tsumaguroishimochi	S	C
	<i>Apogon endekataenia</i> Bleeker 1852	Kosujiishimochi	S	C
	<i>Apogon fukuui</i> Hayashi 1990	Futasujiishimochi	S	C
	<i>Apogon ishigakiensis</i> Ida & Moyer 1974	Miyakoishimochi	S	C
	<i>Apogon kiensis</i> Jordan & Snyder 1901	Teppoishimochi	S	C
	<i>Apogon lineatus</i> Temminck & Schlegel 1842	Tenjikudai	S	C
	<i>Apogon niger</i> Döderlein in Steindachner & Döderlein 1883	Kuroishimochi	S	C
	<i>Apogon notatus</i> (Houttuyn 1782)	Kurohoshiishimochi	S	C
	<i>Apogon properuptus</i> (Whitley 1964)	Kinsenishimochi	S	C
	<i>Apogon semilineatus</i> Temminck & Schlegel 1842	Nenbutsudai	S	C
	<i>Apogon talboti</i> Smith 1961	Akanetenjikudai	S	C
	<i>Apogonichthyoides timorensis</i> (Bleeker 1854)	Kakuretenjikudai	S	C
	<i>Apogon unicolor</i> Döderlein in Steindachner & Döderlein 1883	Hanaishimochi	S	C
	<i>Apogonichthyoides cathetogramma</i> (Tanaka 1917)	Yokosujiishimochi	S	C
	<i>Archamia fucata</i> (Cantor 1849)	Sumitsukiatohikitenjikudai	S	C
	<i>Taeniamia lineolata</i> (Cuvier in Cuvier & Valenciennes 1828)	Atohikitenjikudai	S	C
	<i>Cheilodipterus intermedius</i> Gon 1993	Sudareyaraiishimochi	S	R
	<i>Cheilodipterus macrodon</i> (Lacepède 1802)	Ryukyuyaraiishimochi	S	R
	<i>Cheilodipterus artus</i> Smith, 1961	Kasumiyaraiishimochi	S	C
	<i>Foa brachygramma</i> (Jenkins 1903)	Taiwanmatoishimochi	S	R
	<i>Gymnapogon japonicus</i> Regan 1905	Kudaribozugisu	S	C
	<i>Ostorhinchus aureus</i> (Lacepède 1802)	Aosujitenjikudai	S	C
	<i>Ostorhinchus fasciatus</i> (Cuvier 1828)	Furaiishimochi	S	C
	<i>Rhabdamia gracilis</i> (Bleeker 1856)	Sukashitenjikudai	S	C
	<i>Siphamia tubifer</i> Weber 1909	Hikariishimochi	S	R
Epigonidae	<i>Epigonus denticulatus</i> Dieuzeide 1950	Hageyasemutsu	S	C
	<i>Epigonus pectinifer</i> Mayer 1974	Yasemutsu	S	C
Branchiostegidae	<i>Branchiostegus albus</i> Dooley 1978	Shiroamadai	S	C
	<i>Branchiostegus auratus</i> (Kishinouye 1907)	Kiamadai	S	C
	<i>Branchiostegus japonicus</i> (Houttuyn 1782)	Akaamadai	S	VC
Scombropidae	<i>Scombrops boops</i> (Houttuyn 1782)	Mutsu	S	C
Echeneidae	<i>Echeneis naucrates</i> Linnaeus 1758	Kobanzame	S	R
	<i>Phtheichthys lineatus</i> (Menzies 1791)	Sujikoban	S	R
	<i>Remora osteochir</i> (Cuvier 1829)	Hishikoban	S	R
	<i>Remora remora</i> (Linnaeus 1758)	Nagakoban	S	R
Coryphaenidae	<i>Coryphaena hippurus</i> Linnaeus 1758	Shiira	S	VC
Menidae	<i>Mene maculata</i> (Bloch & Schneider 1801)	Ginkagami	S	C
Carangidae	<i>Alectis ciliaris</i> (Bloch 1787)	Itohikiaji	S	C
	<i>Alectis indica</i> (Cuvier in Cuvier & Valenciennes 1833)	Umaduraaji	S	R
	<i>Alepes djedaba</i> (Forsskål 1775)	Kuroboshihiraaji	S	C
	<i>Alepes kleinii</i> (Bloch 1793)	Miyakamihiraaji	S	VR
	<i>Alepes vari</i> (Cuvier in Cuvier & Valenciennes 1833)	Mabutashimaaji	S	VR
	<i>Atropus atropus</i> (Bloch & Schneider 1801)	Kuboaji	S	R
	<i>Atule mate</i> (Cuvier in Cuvier & Valenciennes 1833)	Mateaaji	S	VR
	<i>Carangoides caeruleopinnatus</i> (Rüppell 1830)	Maruhiraaji	S	VR
	<i>Carangoides chrysophrys</i> (Cuvier in Cuvier & Valenciennes 1833)	Hishiyoroiaji	S	C

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	<i>Carangichthys dinema</i> (Bleeker 1851)	Itohiraaaji	S	C
	<i>Carangoides ferdau</i> (Forsskål 1775)	Kurohiraaji	S	R
	<i>Carangoides fulvoguttatus</i> (Forsskål 1775)	Hoshikaiwari	S	C
	<i>Carangoides hedlandensis</i> (Whitley 1934)	Ryukyuyoroiaji	S	R
	<i>Carangoides malabaricus</i> (Bloch & Schneider 1801)	Taiwanyoroiaji	S	C
	<i>Carangoides oblongus</i> (Cuvier in Cuvier & Valenciennes 1833)	Tenjikuaji	S	C
	<i>Carangoides orthogrammus</i> (Jordan & Gilbert 1882)	Nanyokaiwari	S	C
	<i>Carangoides uii</i> (Wakiya 1924)	Kiihiraaaji	S	C
	<i>Carangoides gymnoethus</i> (Cuvier in Cuvier & Valenciennes 1833)	Andamanaji	S	R
	<i>Caranx heberi</i> (Bennett 1830)	Itoonihiraaji	S	R
	<i>Caranx ignobilis</i> (Forsskål 1775)	Roninaji	S	VC
	<i>Caranx lugubris</i> Poey 1860	Kappore	S	R
	<i>Caranx melampygus</i> Cuvier in Cuvier & Valenciennes 1833	Kasumiaji	S	C
	<i>Caranx papuensis</i> Alleyne & Macleay 1877	Onihiraaji	S	VR
	<i>Caranx sexfasciatus</i> Quoy & Gaimard 1825	Gingameaji	S	VC
	<i>Decapterus akaadsi</i> Abe 1958	Akaaji	S	R
	<i>Decapterus macarellus</i> (Cuvier in Cuvier & Valenciennes 1833)	Kusayamoro	S	C
	<i>Decapterus macrosoma</i> Bleeker 1851	Moro	S	C
	<i>Decapterus maruadsi</i> (Temminck & Schlegel 1843)	Maruaji	S	C
	<i>Decapterus muroadsi</i> (Temminck & Schlegel 1844)	Muroaji	S	C
	<i>Decapterus russelli</i> (Rüppell 1830)	Indomaruaaji	S	C
	<i>Decapterus tabl</i> (Berry 1968)	Oakamuro	S	R
	<i>Elagatis bipinnulata</i> (Quoy & Gaimard 1825)	Tsumuburi	S	VC
	<i>Kaiwarinus equula</i> (Temminck & Schlegel 1844)	Kaiwari	S	VC
	<i>Megalaspis cordyla</i> (Linnaeus 1758)	Oniaji	S	VC
	<i>Naucrates doctor</i> (Linnaeus 1758)	Burimodoki	S	VC
	<i>Parastromateus niger</i> (Bloch 1795)	Kuroajimodoki	S	VR
	<i>Pseudocaranx dentex</i> (Bloch & Schneider 1801)	Shimaaji	S	VC
	<i>Scomberoides commersonianus</i> Lacepède 1801	Ookuchiikekatsuo	S	R
	<i>Scomberoides lysan</i> (Forsskål 1775)	Ikekatsuo	S	VC
	<i>Scomberoides tol</i> (Cuvier in Cuvier & Valenciennes 1832)	Minamiikekatsuo	S	VC
	<i>Selar boops</i> (Cuvier in Cuvier & Valenciennes 1833)	Terumeaji	S	VR
	<i>Selar crumenophthalmus</i> (Bloch 1793)	Meaji	S	VC
	<i>Seriola dumerili</i> (Risso 1810)	Kanpachi	S	VC
	<i>Seriola lalandi</i> Valenciennes in Cuvier & Valenciennes 1833	Hiramasa	S	C
	<i>Seriola quinqueradiata</i> Temminck & Schlegel 1845	Buri	S	VC
	<i>Seriola rivoliana</i> Valenciennes in Cuvier & Valenciennes 1833	Hirenagakanpachi	S	C
	<i>Seriolina nigrofasciata</i> (Rüppell 1829)	Aiburi	S	VC
	<i>Trachinotus baillonii</i> (Lacepède 1802)	Kobanaji	S	VC
	<i>Trachinotus blochii</i> (Lacepède 1801)	Marukoban	S	R
	<i>Trachinotus mookalee</i> Cuvier in Cuvier & Valenciennes 1832	Koganemarukoban	S	VR
	<i>Trachurus japonicus</i> (Temminck & Schlegel 1844)	Maaji	S	VC
	<i>Uraspis helvola</i> (Forster in Bloch & Schneider 1801)	Okiaji	S	C
	<i>Uraspis uraspis</i> (Günther 1860)	Indookiaji	S	R
Leiognathidae	<i>Equulites elongatus</i> (Günther 1874)	Himehiiragi	S	C
	<i>Equulites rivulatus</i> (Temminck & Schlegel 1845)	Okihiiragi	S	C
	<i>Eubleekeria splendens</i> (Cuvier 1829)	Taiwanhiiragi	S	R
	<i>Gazza minuta</i> (Bloch 1795)	Kobanhiiragi	S	R
	<i>Leiognathus equulus</i> Forsskål 1775	Seitakahhiiragi	S	R
	<i>Leiognathus fasciatus</i> (Lacepède 1803)	Shimahhiiragi	S	R
	<i>Nuchequula nuchalis</i> (Temminck & Schlegel 1845)	Hhiiragi	S	VC
	<i>Photopectoralis bindus</i> (Valenciennes in Cuvier & Valenciennes 1835)	Nettaihiiragi	S	R
	<i>Secutor indicus</i> Monkolprasit 1973	Hosoukeguchihhiiragi	S	VC
Bramidae	<i>Brama orcinii</i> Cuvier in Cuvier & Valenciennes 1831	Marubarashimagatsuo	S	R
	<i>Pterycombus petersii</i> (Hilgendorf 1878)	Ryugunohime	S	R
	<i>Taractes asper</i> Lowe 1843	Manzaiuo	S	R
Emmelichthyidae	<i>Erythrocles schlegelii</i> (Richardson 1846)	Hachibiki	S	VC
	<i>Emmelichthys struhsakeri</i> Heemstra & Randall 1977	Rosokuchibiki	S	R
Lutjanidae	<i>Aphareus furca</i> (Lacepède 1801)	Ishifuedai	S	VR
	<i>Aphareus rutilans</i> Cuvier in Cuvier & Valenciennes 1830	Ooguchiishichibiki	S	VR
	<i>Aprion virescens</i> Valenciennes in Cuvier & Valenciennes 1830	Aochibiki	S	C
	<i>Caesio caeruleaureus</i> Lacepède 1801	Sasamuro	S	C
	<i>Caesio teres</i> Seale 1906	Umeiromodoki	S	C
	<i>Dipterygotus balteatus</i> (Valenciennes in Cuvier & Valenciennes 1830)	Himetakasago	S	R
	<i>Etelis coruscans</i> Valenciennes 1862	Hamadai	S	R
	<i>Lutjanus argentimaculatus</i> (Forsskål 1775)	Gomafuedai	S	VC
	<i>Lutjanus bengalensis</i> (Bloch 1790)	Bengarufuedai	S	C
	<i>Lutjanus bohar</i> (Forsskål 1775)	Barafuedai	S	C
	<i>Lutjanus ehrenbergii</i> (Peters 1869)	Minamifuedai	S	VR

Family	Scientific name	Japanese name	Confirmation	Occurrence
	<i>Lutjanus fulviflamma</i> (Forsskål 1775)	Nisekurohoshifuedai	S	VC
	<i>Lutjanus fulvus</i> (Forster in Bloch & Schneider 1801)	Okifuedai	S	VC
	<i>Lutjanus gibbus</i> (Forsskål 1775)	Himefuedai	S	VC
	<i>Lutjanus johnii</i> (Bloch 1792)	Kadokawafuedai	S	VR
	<i>Lutjanus kasmira</i> (Forsskål 1775)	Yosujifuedai	S	C
	<i>Lutjanus lutjanus</i> Bloch 1790	Kinsenfuedai	S	R
	<i>Lutjanus monostigma</i> (Cuvier in Cuvier & Valenciennes 1828)	Ittenfuedai	S	VC
	<i>Lutjanus ophuysenii</i> (Bleeker 1860)	Yokosujifuedai	S	VC
	<i>Lutjanus quinquelineatus</i> (Bloch 1790)	Rokusenfuedai	S	C
	<i>Lutjanus rivulatus</i> (Cuvier in Cuvier & Valenciennes 1828)	Namifuedai	S	C
	<i>Lutjanus rufolineatus</i> (Valenciennes in Cuvier & Valenciennes 1830)	Kyusenfuedai	S	C
	<i>Lutjanus russellii</i> (Bleeker 1849)	Kurohoshifuedai	S	VC
	<i>Lutjanus stellatus</i> Akazaki 1983	Fuedai	S	C
	<i>Lutjanus xanthopinnis</i> Iwatsukli, Tanaka, & Allen 2016	Imotofuedai	S	VR
	<i>Macolor niger</i> (Forsskål 1775)	Madaratarumi	S	R
	<i>Paracaesio caerulea</i> (Katayama 1934)	Aodai	S	VR
	<i>Paracaesio xanthura</i> (Bleeker 1869)	Umeiro	S	VR
	<i>Pristipomoides argyrogammicus</i> (Valenciennes in Cuvier & Valenciennes 1832)	Hanafuedai	S	VR
	<i>Pristipomoides filamentosus</i> (Valenciennes in Cuvier & Valenciennes 1830)	Oohime	S	VR
	<i>Pristipomoides sieboldii</i> (Bleeker 1854-57)	Himedai	S	R
	<i>Symphorus nematophorus</i> (Bleeker 1860)	Itohikifuedai	S	R
Caesionidae	<i>Pterocaesio digramma</i> (Bleeker 1865)	Takasago	S	C
	<i>Pterocaesio marri</i> Schultz in Schultz et al. 1953	Nisetakasago	S	C
	<i>Pterocaesio tile</i> (Cuvier in Cuvier & Valenciennes 1830)	Kumasasahanamuro	S	C
	<i>Pterocaesio trilineata</i> Carpenter 1987	Issentakasago	S	C
Lobotidae	<i>Lobotes surinamensis</i> (Bloch 1790)	Matsudai	S	C
Gerreidae	<i>Gerres akazakii</i> Iwatsuki, Kimura & Yoshino 2007	Sedakadaimyosagi	S	R
	<i>Gerres equulus</i> Temminck & Schlegel 1844	Kurosagi	S	VC
	<i>Gerres erythrourus</i> (Bloch 1791)	Sedakakurosagi	REF <sup>54)</sup>	VR
	<i>Gerres japonicus</i> Bleeker 1854	Daimyosagi	S	VR
	<i>Gerres macracanthus</i> Bleeker 1854	Hosoitohikisagi	S	VR
	<i>Gerres microphthalmus</i> Iwatsuki, Kimura & Yoshino 2002	Yamatotohikisagi	S	R
	<i>Gerres oblongus</i> Cuvier in Cuvier & Valenciennes 1830	Nagasagi	S	VR
Haemulidae	<i>Diagramma picta</i> (Thunberg 1792)	Korodai	S	C
	<i>Haplogenyss kishinouyei</i> Smith & Pope 1906	Shimasetodai	S	C
	<i>Haplogenyss analis</i> Richardson 1845	Setodai	S	C
	<i>Haplogenyss sennin</i> Iwatsuki & Nakabo 2005	Higedai	S	VR
	<i>Haplogenyss nigripinnis</i> (Temminck & Schlegel 1843)	Higesoridai	S	C
	<i>Parapristipoma trilineatum</i> (Thunberg 1793)	Isaki	S	VC
	<i>Plectorhinchus cinctus</i> (Temminck & Schlegel 1843)	Koshodai	S	C
	<i>Plectorhinchus flavomaculatus</i> (Cuvier in Cuvier & Valenciennes 1830)	Osharekoshodai	S	R
	<i>Plectorhinchus gibbosus</i> (Lacepède 1802)	Kurokoshodai	S	C
	<i>Plectorhinchus lessonii</i> (Cuvier in Cuvier & Valenciennes 1830)	Hiregurokoshodai	S	C
	<i>Plectorhinchus vittatus</i> (Linnaeus 1758)	Musujikoshodai	S	C
	<i>Plectorhinchus picus</i> (Cuvier in Cuvier & Valenciennes 1830)	Ajiakoshodai	S	C
	<i>Plectorhinchus schotaf</i> (Forsskål 1775)	Eriakakoshodai	S	R
	<i>Pomadasys quadrilineatus</i> Shen & Lin 1984	Sujimizoisaki	S	C
Nemipteridae	<i>Nemipterus aurora</i> Russell 1993	Hiraitoyori	S	C
	<i>Nemipterus bathybius</i> Snyder 1911	Sokoitoyori	S	C
	<i>Nemipterus virgatus</i> (Houttuyn 1782)	Itoyoridai	S	C
	<i>Parascolopsis eriomma</i> (Jordan & Richardson 1909)	Akatamagashira	S	C
	<i>Parascolopsis inermis</i> (Temminck & Schlegel 1843)	Tamagashira	S	C
	<i>Pentapodus nagasakiensis</i> (Tanaka 1915)	Itotamagashira	S	C
	<i>Scolopsis vosmeri</i> (Bloch 1792)	Taiwantamagashira	S	C
Sparidae	<i>Acanthopagrus latus</i> (Houttuyn 1782)	Kichinu	S	VC
	<i>Acanthopagrus schlegelii</i> (Bleeker 1854)	Kurodai	S	VC
	<i>Acanthopagrus sivicolus</i> Akazaki 1962	Minamikurodai	S	VR
	<i>Argyrops bleekeri</i> Oshima 1927	Taiwandai	S	R
	<i>Eyynnus tumifrons</i> (Temminck & Schlegel 1843)	Chidai	S	VC
	<i>Dentex hypselosomus</i> Bleeker 1854	Kidai	S	VC
	<i>Eyynnus cardinalis</i> (Lacepède 1802)	Hirekodai	S	VR
	<i>Pagrus major</i> (Temminck & Schlegel 1843)	Madai	S	VC
	<i>Rhabdosargus sarba</i> (Forsskål 1775)	Hedai	S	VC
Lethrinidae	<i>Gnathodentex aureolineatus</i> (Lacepède 1802)	Nokogiridai	S	C
	<i>Gymnocranius euanus</i> (Günther 1879)	Shirodai	S	C
	<i>Gymnocranius grandoculis</i> (Valenciennes in Cuvier & Valenciennes 1830)	Sazanamidai	S	C
	<i>Gymnocranius griseus</i> (Temminck & Schlegel 1843)	Meichidai	S	C
	<i>Lethrinus atkinsoni</i> Seale 1910	Isofuefuki	S	C
	<i>Lethrinus haematopterus</i> Temminck & Schlegel 1844	Fuefukidai	S	VR

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	<i>Lethrinus harak</i> (Forsskål 1775)	Matofuefuki	S	C
	<i>Lethrinus nebulosa</i> (Forsskål 1775)	Hamafuefuki	S	C
	<i>Lethrinus ornatus</i> Valenciennes in Cuvier & Valenciennes 1830	Hanafuefuki	S	C
Sciaenidae	<i>Lethrinus rubrioperculatus</i> Sato 1978	Hooakakuchibi	S	C
	<i>Argyrosomus argentata</i> (Houttuyn 1782)	Shiroguchi	S	C
	<i>Argyrosomus japonicus</i> (Temminck & Schlegel 1843)	Oonibe	S	C
	<i>Atrubucca nibe</i> (Jordan & Thompson 1911)	Kuroguchi	S	C
	<i>Johnius grypotus</i> (Richardson 1846)	Konibe	S	C
	<i>Larimichthys polyactis</i> (Bleeker 1877)	Kiguchi	S	C
	<i>Miichthys miiuy</i> (Basilewsky 1855)	Honnibe	S	C
	<i>Nibea albiflora</i> (Richardson 1846)	Koichi	S	R
	<i>Nibea mitsukurii</i> (Jordan & Snyder 1900)	Nibe	S	C
Sillaginidae	<i>Sillago japonica</i> Temminck & Schlegel 1843	Shirogisu	S	VC
Mullidae	<i>Mulloides flavolineatus</i> (Lacepède 1801)	Montsukiakahimeji	S	C
	<i>Mulloidichthys vanicolensis</i> (Valenciennes in Cuvier & Valenciennes 1831)	Akahimeji	S	C
	<i>Parupeneus barberinoides</i> (Bleeker 1852)	Indohimeji	S	C
	<i>Parupeneus barberinus</i> (Lacepède 1801)	Oosujihimeji	S	R
	<i>Parupeneus biaculeatus</i> (Richardson 1846)	Minabehimeji	S	C
	<i>Parupeneus chrysopleuron</i> (Temminck & Schlegel 1843)	Umihigoi	S	C
	<i>Parupeneus ciliatus</i> (Lacepède 1802)	Horaihimeji	S	C
	<i>Parupeneus cyclostomus</i> (Lacepède 1801)	Marukuchihimeji	P	R
	<i>Parupeneus heptacanthus</i> (Lacepède 1802)	Takasagohimeji	S	C
	<i>Parupeneus indicus</i> (Shaw 1803)	Kobanhimeji	S	C
	<i>Upeneus itoui</i> Yamashita, Golani & Motomura 2011	Sakuyahimeji	S	R
	<i>Parupeneus multifasciatus</i> (Quoy & Gaimard 1825)	Ojisan	S	R
	<i>Parupeneus pleurostigma</i> (Bennett 1831)	Ryukyuhomeji	S	VR
	<i>Pseudupeneus spilurus</i> (Bleeker 1854)	Okinahimeji	S	C
	<i>Upeneus japonicus</i> (Houttuyn 1782)	Himeji	S	VC
	<i>Upeneus moluccensis</i> (Bleeker 1855)	Kisujihimeji	S	C
	<i>Upeneus subvittatus</i> Temminck & Schlegel 1843	Yokohimeji	S	C
	<i>Upeneus sulphureus</i> Cuvier in Cuvier & Valenciennes 1829	Kohakuhimeji	S	R
	<i>Upeneus taeniopterus</i> Cuvier in Cuvier & Valenciennes 1829	Shiroganehimeji	S	C
	<i>Upeneus tragula</i> Richardson 1846	Yomehimeji	S	C
	<i>Upeneus vittatus</i> (Forsskål 1775)	Minamihimeji	S	C
Pempheridae	<i>Parapriacanthus ransonneti</i> Steindachner 1870	Kinmemodoki	S	C
	<i>Pempheris japonica</i> Döderlein in Steindachner & Döderlein 1883	Tsumagurohatanpo	S	C
	<i>Pempheris nyctereutes</i> Jordan & Evermann 1902	Miehatanpo	S	C
	<i>Pempheris schwenkii</i> Bleeker 1855	Minamihatanpo	S	C
	<i>Pempheris</i> sp. (T. Nakabo 2013 <sup>18</sup> ; 550, 1887)	Ryukyuhatanpo	S	C
Monodactylidae	<i>Monodactylus argenteus</i> (Linnaeus 1758)	Himetsubameuo	S	C
Chaetodontidae	<i>Chaetodon adiergastos</i> Seale 1910	Kurakakechochouo	W <sup>8</sup>	R
	<i>Chaetodon argentatus</i> Smith & Radcliffe 1911	Kagamichochoouo	W <sup>9</sup>	R
	<i>Chaetodon auriga</i> Forsskål 1775	Togechochoouo	S	C
	<i>Chaetodon auripes</i> Jordan & Snyder 1901	Chochoouo	S	VC
	<i>Chaetodon baronessa</i> Cuvier 1829	Mikadochochoouo	W <sup>10</sup>	R
	<i>Chaetodon bennetti</i> Cuvier in Cuvier & Valenciennes 1831	Umidukichochoouo	W <sup>11</sup>	R
	<i>Chaetodon citrinellus</i> Cuvier in Cuvier & Valenciennes 1831	Gomachochoouo	W <sup>12</sup>	R
	<i>Chaetodon daedalma</i> Jordan and Fowler 1902	Yuzen	P	R
	<i>Chaetodon ephippium</i> Cuvier in Cuvier & Valenciennes 1831	Segurochochoouo	S	C
	<i>Chaetodon guentheri</i> Ahl 1923	Kokutenkatagi	S	C
	<i>Chaetodon kleimii</i> Bloch 1790	Mizorechochoouo	P&W <sup>13</sup>	R
	<i>Chaetodon lineolatus</i> Cuvier in Cuvier & Valenciennes 1831	Nisefuraichochoouo	P	R
	<i>Chaetodon lunula</i> (Lacepède 1802)	Chohan	S	C
	<i>Chaetodon lunulatus</i> Quoy & Gaimard 1825	Misujichochoouo	P	C
	<i>Chaetodon melannotus</i> Bloch & Schneider 1801	Akebonochochoouo	S	C
	<i>Chaetodon nippon</i> Döderlein in Steindachner & Döderlein 1883	Shirakodai	S	C
	<i>Chaetodon octofasciatus</i> Bloch 1787	Yasujichochoouo	P	R
	<i>Chaetodon ornatissimus</i> Cuvier in Cuvier & Valenciennes 1831	Hanagurochochoouo	S	R
	<i>Chaetodon plebeius</i> Cuvier in Cuvier & Valenciennes 1831	Sumitsukitonosamadaï	S	C
	<i>Chaetodon rafflesii</i> Anonymous 1830	Amichochoouo	P&W <sup>14</sup>	R
	<i>Chaetodon selene</i> Bleeker 1853	Tenguchochoouo	S	C
	<i>Chaetodon speculum</i> Cuvier in Cuvier & Valenciennes 1831	Tonosamadaï	S	VC
	<i>Chaetodon trifascialis</i> Quoy & Gaimard 1825	Yarikatagi	P	R
	<i>Chaetodon ulietensis</i> Cuvier in Cuvier & Valenciennes 1831	Sudarechochoouo	P&W <sup>15</sup>	R
	<i>Chaetodon unimaculatus</i> Bloch 1787	Ittenchochoouo	W <sup>16</sup>	R
	<i>Chaetodon vagabundus</i> Linnaeus 1758	Furaichochoouo	S	VC
	<i>Chaetodon wiebeli</i> Kaup 1863	Tsukichochoouo	S&W <sup>17</sup>	C
	<i>Chaetodon xanthurus</i> Bleeker 1857	Amimechochoouo	P	R
	<i>Coradion altivelis</i> McCulloch 1916	Takigenrokudai	S	C

Family	Scientific name	Japanese name	Confirmation	Occurrence
	<i>Forcipiger flavissimus</i> Jordan & McGregor in Jordan & Evermann 1898	Fueyakkodai	P	R
	<i>Heniochus acuminatus</i> (Linnaeus 1758)	Hatataatedai	S	C
	<i>Heniochus chrysostomus</i> Cuvier (ex Parkinson) in Cuvier & Valenciennes 1831	Minamihatataatedai	S	C
	<i>Heniochus diphreutes</i> Jordan 1903	Murehatataatedai	S	C
	<i>Heniochus monoceros</i> Cuvier in Cuvier & Valenciennes 1831	Onihatataatedai	S	C
	<i>Heniochus singularius</i> Smith & Radcliffe 1911	Shimahatataatedai	S	C
	<i>Roa modesta</i> (Temminck & Schlegel 1844)	Genrokudai	S	C
Pomacanthidae	<i>Apolemichthys trimaculatus</i> (Cuvier in Cuvier & Valenciennes 1831)	Shitenyakko	S	R
	<i>Centropyge abei</i> Allen, Young & Colin 2006	Kinchakudai zoku no isshu	P & W <sup>18</sup>	R
	<i>Centropyge bicolor</i> (Bloch 1787)	Somewakeyakko	W <sup>19</sup>	R
	<i>Centropyge fisheri</i> (Snyder 1904)	Chairoyakko	P & W <sup>20</sup>	R
	<i>Centropyge interrupta</i> (Tanaka 1918)	Rentenyakko	S	C
	<i>Centropyge tibicen</i> (Cuvier in Cuvier & Valenciennes 1831)	Aburayakko	S	C
	<i>Centropyge vrolikii</i> (Bleeker 1853)	Namerayakko	P & W <sup>21</sup>	R
	<i>Chaetodontoplus melanosoma</i> (Bleeker 1853)	Kiherikinshakudai	P	C
	<i>Chaetodontoplus septentrionalis</i> (Temminck & Schlegel 1844)	Kinchakudai	S	C
	<i>Genicanthus Lamarck</i> (Lacepède 1802)	Tatejimayakko	W <sup>22</sup>	C
	<i>Pomacanthus imperator</i> (Bloch 1787)	Tatejimakinshakudai	S	C
	<i>Pomacanthus maculosus</i> (Forsskål 1775)	Sedakayakko	W <sup>23</sup>	VR
	<i>Pomacanthus semicirculatus</i> (Cuvier in Cuvier & Valenciennes 1831)	Sazanamiyakko	S	C
Pentacerotidae	<i>Eviptias acutirostris</i> (Temminck & Schlegel 1844)	Tengudai	S	C
	<i>Histiopertus typus</i> Temminck & Schlegel 1844	Kawabisha	S	C
	<i>Pentaceros japonicus</i> Steindachner 1883	Tsubodai	S	C
Cirrhitidae	<i>Cirrhitichthys aprinus</i> (Cuvier in Cuvier & Valenciennes 1829)	Minamigonbe	W <sup>24</sup>	R
	<i>Cirrhitichthys aureus</i> (Temminck & Schlegel 1842)	Okigonbe	S <sup>25</sup>	C
	<i>Cirrhitichthys falco</i> Randall 1963	Sarasagonbe	P	R
	<i>Cirrhitis pinnulatus</i> (Forster in Bloch & Schneider 1801)	Isogonbe	S	C
	<i>Cyprinocirrhites polyactis</i> (Bleeker 1874)	Uigonbe	S	R
	<i>Paracirrhites arcatus</i> (Cuvier in Cuvier & Valenciennes 1829)	Meganegonbe	W <sup>26</sup>	R
Cheilodactylidae	<i>Goniistius quadricornis</i> (Günther 1860)	Yudachitakanoha	S	R
	<i>Goniistius zebra</i> (Döderlein in Steindachner & Döderlein 1883)	Migimaki	S	C
	<i>Goniistius zonatus</i> (Cuvier in Cuvier & Valenciennes 1830)	Takanohadai	S	C
Cepolidae	<i>Acanthoepola indica</i> (Day 1888)	Indoakatachi	S	C
	<i>Acanthoepola krusensternii</i> (Temminck & Schlegel 1845)	Akatachi	S	C
	<i>Acanthoepola limbata</i> (Valenciennes in Cuvier & Valenciennes 1835)	Ittenakatachi	S	C
	<i>Cepola schlegelii</i> Bleeker 1854	Sumitsukiakatachi	S	C
	<i>Owstonia grammodon</i> (Fowler 1934)	Sokoamadaimodoki	S	C
	<i>Owstonia tosaensis</i> Kamohara 1934	Okiamadai	S	C
	<i>Owstonia totomiensis</i> Tanaka 1908	Sokoamadai	S	C
Cichlidae	<i>Oreochromis mossambicus</i> (Peters 1852)	Kawasuzume	S	IF (rearing) <sup>(61-62)</sup>
Embiotocidae	<i>Ditrema temmincki temminckii</i> Bleeker 1853	Umitanago	S	C
Pomacentridae	<i>Abudefduf bengalensis</i> (Bloch 1787)	Tenjikusuzumedai	S	C
	<i>Abudefduf notatus</i> (Day 1870)	Isosuzumedai	S	C
	<i>Abudefduf septemfasciatus</i> (Cuvier in Cuvier & Valenciennes 1830)	Shichisensuzumedai	S	C
	<i>Abudefduf sexfasciatus</i> (Lacepède 1801)	Rokusensuzumedai	S	C
	<i>Abudefduf sordidus</i> (Forsskål 1775)	Shimasuzumedai	S	C
	<i>Abudefduf vaigiensis</i> (Quoy & Gaimard 1825)	Oyabiccha	S	VC
	<i>Amphiprion clarkii</i> (Bennett 1830)	Kumanomi	S	VC
	<i>Chromis chrysurus</i> (Bliss 1883)	Amamisuzumedai	S	C
	<i>Chromis albicauda</i> Allen & Erdmann 2009	Koganesuzumedai	S	C
	<i>Chromis fumea</i> (Tanaka 1917)	Matsubasuzumedai	S	C
	<i>Chromis margaritifer</i> Fowler 1946	Shikokusuzumedai	W <sup>27</sup>	R
	<i>Chromis notatus</i> (Temminck & Schlegel 1843)	Suzumedai	S	C
	<i>Chrysiptera glauca</i> (Cuvier in Cuvier & Valenciennes 1830)	Nezusuzumedai	S	C
	<i>Chrysiptera starcki</i> (Allen 1973)	Senakiririsuzumedai	P	C
	<i>Chrysiptera unimaculata</i> (Cuvier 1830)	Ichimonsuzumedai	P	R
	<i>Dascyllus reticulatus</i> (Richardson 1846)	Futasujiryukyusuzumedai	W <sup>28</sup>	R
	<i>Dascyllus trimaculatus</i> (Rüppell 1829)	Mitsuboshikurosuzumedai	S	C
	<i>Neoglyphidodon melas</i> (Cuvier in Cuvier & Valenciennes 1830)	Kurosuzumedai	S	C
	<i>Neoglyphidodon nigroris</i> (Cuvier 1830)	Hirenasuzumedai	P	R
	<i>Plectroglyphidodon imparipennis</i> (Vaillant & Sauvage 1875)	Iwasakisuzumedai	S	C
	<i>Plectroglyphidodon johnstonianus</i> Fowler and Ball 1924	Rurimeishigakisuzumedai	P	R
	<i>Plectroglyphidodon leucozonus</i> (Bleeker 1859)	Hakusensuzumedai	S	C
	<i>Pomacentrus chrysurus</i> Cuvier (ex Broussonet) in Cuvier & Valenciennes 1830	Ojirosuzumedai	P	C
	<i>Pomacentrus coelestis</i> Jordan & Starks 1901	Sorasuzumedai	S	VC
	<i>Pomacentrus nagasakiensis</i> Tanaka 1917	Nagakisuzumedai	S	C
	<i>Pomacentrus taeniometopon</i> Bleeker 1852	Sumizomesuzumedai	P	R
	<i>Stegastes altus</i> (Okada & Ikeda 1937)	Sedakasuzumedai	S	C
	<i>Stegastes fasciolatus</i> (Ogilby 1889)	Fuchidorisuzumedai	S	C

Family	Scientific name	Japanese name	Confirmation	Occurrence
Teraponidae	<i>Teixeirichthys jordani</i> (Rutter 1897)	Sujisuzumedai	S	C
	<i>Pelates quadrilineatus</i> (Bloch 1790)	Yosujishimaisaki	S	C
	<i>Rhyncopelates oxyrhynchus</i> (Temminck & Schlegel 1842)	Shimaisaki	S	C
	<i>Terapon jarbua</i> (Forsskål 1775)	Kotohiki	S	C
	<i>Terapon theraps</i> (Cuvier in Cuvier & Valenciennes 1829)	Himekotohiki	S	C
Scorpididae	<i>Labracoglossa argentiventris</i> Peters 1866	Takabe	S	C
Kuhliidae	<i>Kuhlia munda</i> (De Vis 1884)	Togenagayugoi	S	R
	<i>Kuhlia marginata</i> (Cuvier in Cuvier & Valenciennes 1829)	Yugoi	S	C
	<i>Kuhlia mugil</i> (Forster in Bloch & Schneider 1801)	Ginyugoi	S	VC
	<i>Kuhlia rupestris</i> (Lacepède 1802)	Ookuchiyugoi	S	R
Oplegnathidae	<i>Oplegnathus fasciatus</i> (Temminck & Schlegel 1844)	Ishidai	S	C
	<i>Oplegnathus punctatus</i> (Temminck & Schlegel 1844)	Ishigakidai	S	C
Toxotidae	<i>Toxotes chatareus</i> (Hamilton 1822)	Teppouo zoku no issu	S	IF
Kyphosidae	<i>Kyphosus bigibbus</i> Lacepède 1801	Notoisuzumi	S	C
	<i>Kyphosus cinerascens</i> (Forsskål 1775)	Tenjikuisaki	S	C
	<i>Kyphosus pacificus</i> Sakai & Nakabo 2004	Minamiisuzumi	S	R
	<i>Kyphosus vaigiensis</i> (Quoy & Gaimard 1825)	Isuzumi	S	C
Microcanthidae	<i>Microcanthus strigatus</i> (Cuvier in Cuvier & Valenciennes 1831)	Kagokakidai	S	C
Girellidae	<i>Girella leoninus</i> (Richardson 1846)	Kuromejina	S	VC
	<i>Girella mezinga</i> Jordan & Starks 1907	Okinamejina	S	C
	<i>Girella punctata</i> Gray 1835	Mejina	S	VC
Centrolophidae	<i>Hyperoglyphe japonica</i> (Döderlein in Steindachner & Döderlein 1884)	Medai	S	C
Nomeidae	<i>Psenopsis anomala</i> (Temminck & Schlegel 1844)	Ibodai	S	C
	<i>Cubiceps baxteri</i> McCulloch 1923	Okimedai	S	R
	<i>Cubiceps pauciradiatus</i> Günther 1872	Hosookimedai	S	R
	<i>Cubiceps whiteleggii</i> (Waite 1894)	Bozukonnyaku	S	R
	<i>Nomeus gronovii</i> (Gmelin 1789)	Eboshidai	S	R
	<i>Psenes arafuwensis</i> Günther 1889	Kurageuo	S	R
	<i>Psenes cyanophrys</i> Valenciennes in Cuvier & Valenciennes 1833	Sujihanabirauo	S	R
Ariommatidae	<i>Psenes pellucidus</i> Lütken 1880	Hanabirauo	S	R
	<i>Ariomma indicum</i> (Day 1871)	Maruibodai	S	R
Polynemidae	<i>Polydactylus plebeius</i> (Broussonet 1782)	Tsubamekonoshiro	S	C
	<i>Polydactylus sextarius</i> (Bloch & Schneider 1801)	Kataguroagonashi	S	C
Labridae	<i>Anampses caeruleopunctatus</i> Rüppell 1829	Buchisusukibera	S	C
	<i>Bodianus bilunulatus</i> (Lacepède 1801)	Kitsunebera	S	C
	<i>Bodianus oxycephalus</i> (Bleeker 1862)	Kitsunedai	S	C
	<i>Bodianus perditio</i> (Quoy & Gaimard 1834)	Takibera	S	C
	<i>Bodianus thoracotaeniatus</i> Yamamoto in Okamura <i>et al.</i> 1982	Itohikiakabo	S	C
	<i>Cheilinus digramma</i> (Lacepède 1801)	Hohosujimochinouo	S	R
	<i>Cheilio inermis</i> (Forsskål 1775)	Kamasubera	S	R
	<i>Choerodon azurio</i> (Jordan & Snyder 1901)	Ira	S	C
	<i>Cirrhilabrus katherinae</i> Randall 1992	Goshikiitohikibera	S	C
	<i>Cirrhilabrus temminckii</i> Bleeker 1853	Itohikibera	S	C
	<i>Coris aygula</i> Lacepède 1801	Kanmuribera	S	C
	<i>Gomphosus varius</i> Lacepède 1801	Kugibera	S	C
	<i>Halichoeres tenuispinis</i> (Günther 1862)	Honbera	S	C
	<i>Labroides dimidiatus</i> (Valenciennes in Cuvier & Valenciennes 1839)	Honsomewakebera	P	C
	<i>Parajulis poecilopterus</i> (Temminck & Schlegel 1845)	Kyusen	S	C
	<i>Pseudolabrus eothinus</i> (Richardson 1846)	Akasasanohabera	S	C
	<i>Pseudolabrus sieboldi</i> Mabuchi & Nakabo 1997	Hoshisanohabera	S	C
	<i>Pteragogus aurigarius</i> (Richardson 1845)	Ohagurobera	S	C
	<i>Stethojulis bandanensis</i> (Bleeker 1851)	Akaobibera	P <sup>29</sup>	VR
	<i>Stethojulis interrupta terina</i> (Bleeker 1851)	Kaminaribera	S	C
	<i>Suezichthys arquatus</i> Russell 1985	Adeitobera	S	C
	<i>Suezichthys gracilis</i> (Steindachner & Döderlein 1887)	Itobera	S	C
	<i>Thalassoma amblycephalus</i> (Bleeker 1856)	Kogashirabera	S	C
	<i>Thalassoma cupido</i> (Temminck & Schlegel 1845)	Nishikibera	S	C
	<i>Thalassoma lunare</i> (Linnaeus 1758)	Otomebera	S	C
	<i>Thalassoma lutescens</i> (Lay & Bennett 1839)	Yamabukibera	S	C
	<i>Thalassoma purpureum</i> (Forsskål 1775)	Kinubera	S	C
<i>Xyrichtys dea</i> Temminck & Schlegel 1845	Tensu	S	C	
<i>Xyrichtys pavo</i> (Valenciennes in Cuvier & Valenciennes 1840)	Hoshitensu	S	C	
Scaridae	<i>Calotomus japonicus</i> (Valenciennes in Cuvier & Valenciennes 1840)	Budai	S	VC
	<i>Calotomus spinidens</i> (Quoy & Gaimard 1824)	Chibibudai	S	R
	<i>Leptoscarus vaigiensis</i> (Quoy & Gaimard 1824)	Mizorebudai	S	C
	<i>Scarus ghobban</i> Forsskål 1775	Hibudai	S	VC
	<i>Scarus oviifrons</i> Temminck & Schlegel 1846	Aobudai	S	C
	<i>Scarus rivulatus</i> Valenciennes in Cuvier & Valenciennes 1840	Sujibudai	S	C
	<i>Scarus rubroviolaceus</i> Bleeker 1847	Nagabudai	S	VC



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	<i>Scarus schlegeli</i> (Bleeker 1861)	Obibudai	P	R
	<i>Scarus xanthopleura</i> Bleeker 1853	Akabudai	S	R
Hexagrammidae	<i>Hexagrammos agrammus</i> (Temminck & Schlegel 1843)	Kujime	S	VR
Cottidae	<i>Cottus kazika</i> Jordan & Starks 1904	Kamakiri	S	C
	<i>Furcina osimae</i> Jordan & Starks 1904	Kinukajika	S	VR
	<i>Ocynectes maschalis</i> Jordan & Starks 1904	Idatenkajika	S	C
	<i>Pseudoblennius marmoratus</i> (Döderlein in Steindachner & Döderlein 1884)	Ayaanahaze	S	C
	<i>Pseudoblennius percoides</i> Günther 1861	Anahaze	S	VC
	<i>Pseudoblennius</i> sp. 3 (T. Nakabo, 2011; 1187, 2065)	Kirin-anahaze	S	R
	<i>Pseudoblennius cottoides</i> (Richardson, 1850)	Asahianahaze	S	R
	<i>Stlengis misakia</i> (Jordan & Starks 1904)	Urokokajika	S	VR
Liparidae	<i>Liparis agassizii</i> Putnam 1874	Ezokusauo	S	VR
	<i>Liparis tanakae</i> (Gilbert & Burke 1912)	Kusauo	S	R
	<i>Liparis tessellatus</i> (Gilbert & Burke 1912)	Bikunin	S	VR
Stichaeidae	<i>Dictyosoma burgeri</i> van der Hoeven 1849	Dainanginpo	S	R
	<i>Dictyosoma rubrimaculata</i> Yatsu, Yasuda & Taki 1978	Benitsukeginpo	S	C
Pholidae	<i>Pholis nebulosa</i> (Temminck & Schlegel 1845)	Ginpo	S	C
Pinguipedidae	<i>Parapercis aurantiaca</i> Döderlein in Steindachner & Döderlein 1884	Akatoragisu	S	C
	<i>Parapercis decemfasciata</i> Franz 1910	Yudachitoragisu	S	C
	<i>Parapercis kamoharai</i> Schultz 1966	Kamoharatoragisu	S	C
	<i>Parapercis pulchella</i> (Temminck & Schlegel 1843)	Toragisu	S	C
	<i>Parapercis sexfasciata</i> (Temminck & Schlegel 1843)	Kurakaketoragisu	S	C
	<i>Parapercis snyderi</i> Jordan & Starks 1905	Koraitoragisu	S	C
Percophidae	<i>Bembrops caudimacula</i> Steindachner 1876	Aitoragisu	S	C
	<i>Bembrops curvatura</i> Okada & Suzuki 1952	Namiaiitoragisu	S	C
Trichonotidae	<i>Trichonotus setiger</i> Bloch & Schneider 1801	Beraginpo	S	VR
Champsodontidae	<i>Champsodon guentheri</i> Regan 1908	Kurowanigisu	S	C
	<i>Champsodon pantolepis</i> Nemeth 1994	Yoroiwanigisu	S	C
	<i>Champsodon snyderi</i> Franz 1910	Wanigisu	S	C
Ammodytidae	<i>Ammodytes personatus</i> Girard 1856	Ikanago	S	C
	<i>Bleekeria mitsukurii</i> Jordan & Evermann 1902	Taiwanikanago	S	R
Uranoscopidae	<i>Gnathagnus elongatus</i> (Temminck & Schlegel 1843)	Aomishima	S	R
	<i>Uranoscopus bicornis</i> Temminck & Schlegel 1843	Meganeuo	S	R
	<i>Uranoscopus japonicus</i> Houttuyn 1782	Mishimaokoze	S	R
	<i>Uranoscopus tosa</i> (Jordan & Hubbs 1925)	Yagimishima	S	R
Tripterygiidae	<i>Enneapterygius theostomus</i> (Jordan & Snyder 1902)	Hebiginpo	S	C
	<i>Springerichthys bapturus</i> (Jordan & Snyder 1902)	Himeginpo	S	C
	<i>Helcogramma inclinata</i> (Fowler 1946)	Ayahebiginpo	S	C
	<i>Helcogramma striatum</i> Hansen 1986	Tatejimahebiginpo	W <sup>30</sup>	R
Chaenopsidae	<i>Neoclinus bryope</i> (Jordan & Snyder 1902)	Kokeginpo	S	C
	<i>Neoclinus okazakii</i> Fukao 1987	Araisokokeginpo	S	R
Blenniidae	<i>Blenniella periphthalmus</i> (Valenciennes in Cuvier & Valenciennes 1836)	Hanakaeruo	S	C
	<i>Cirripectes castaneus</i> (Valenciennes in Cuvier & Valenciennes 1836)	Tategamikaeruo	S	C
	<i>Cirripectes polyzona</i> (Bleeker 1868)	Minokaeruo	S	C
	<i>Entomacrodus stellifer stellifer</i> (Jordan & Snyder 1902)	Hoshiginpo	S	C
	<i>Istiblennius enosimae</i> (Jordan & Snyder 1902)	Kaeruo	S	VC
	<i>Laiophognathus longispinis</i> Murase 2007	Madaraginpo	S	C
	<i>Omobranchus elegans</i> (Steindachner 1876)	Nabeka	S	C
	<i>Omobranchus fasciolatoceps</i> (Richardson 1846)	Tosakaginpo	S	C
	<i>Omobranchus loxozonus</i> (Jordan & Starks 1906)	Kumoginpo	S	C
	<i>Omobranchus punctatus</i> (Valenciennes in Cuvier & Valenciennes 1836)	Idatenginpo	S	C
	<i>Parablennius yatabei</i> (Jordan & Snyder 1900)	Isoginpo	S	C
	<i>Petrosirtes breviceps</i> (Valenciennes in Cuvier & Valenciennes 1836)	Nijiginpo	S	C
	<i>Plagiotremus tapeinosoma</i> (Bleeker 1857)	Tenkurosujiginpo	P <sup>31</sup>	R
	<i>Praealticus bilineatus</i> (Peters 1868)	Tamaginpo	S	C
	<i>Praealticus tanegasimae</i> (Jordan & Starks 1906)	Tanaginpo	S	C
	<i>Rhabdoblennius nitidus</i> (Günther 1861)	Rosokuginpo	S	C
	<i>Salaria luctuosus</i> Whitley 1929	Shimaginpo	S	C
	<i>Scartella emarginata</i> (Günther 1861)	Tategamiginpo	S	C
Gobiesocidae	<i>Aspasma minima</i> (Döderlein in Steindachner & Döderlein 1887)	Ubauo	S	C
	<i>Aspasmichthys ciconiae</i> (Jordan & Fowler 1902)	Tsuruubauo	S	C
	<i>Conidens laticephalus</i> (Tanaka 1909)	Ankoubauo	S	C
	<i>Diademichthys lineatus</i> (Sauvage 1883)	Hashinagaubauo	S	R
	<i>Discotrema lineatum</i> (Briggs 1966)	Tasujiumishidaubauo	S	R
Callionymidae	<i>Bathycallionymus formosanus</i> (Fricke 1981)	Kujakusokonumeri	S	R
	<i>Bathycallionymus sokonumeri</i> (Kamohara 1936)	Sokonumeri	S	C
	<i>Callionymus izuensis</i> Fricke & Zaiser Brownell 1993	Izunumeri	S	C
	<i>Calliurichthys japonicus</i> (Houttuyn 1782)	Yomegochi	S	C
	<i>Foetorepus altivelis</i> (Temminck & Schlegel 1845)	Beniteguri	S	C

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	<i>Foetorepus masudai</i> Nakabo 1987	Rusonbeniteguri	S	R
	<i>Neosynchiropus ijimae</i> (Jordan & Thompson 1914)	Yamadori	S	C
	<i>Repomucenus beniteguri</i> (Jordan & Snyder 1900)	Tobinumeri	S	C
	<i>Rupomucenus curvicornis</i> (Valenciennes in Cuvier & Valenciennes 1837)	Nezumigochi	S	C
	<i>Repomucenus planus</i> (Ochiai in Ochiai Araga & Nakajima 1955)	Heranumeri	S	C
	<i>Repomucenus huguenini</i> (Bleeker 1858-59)	Yarinumeri	S	C
	<i>Repomucenus lunatus</i> (Temminck & Schlegel 1845)	Numerigochi	S	C
	<i>Repomucenus valenciennei</i> (Temminck & Schlegel 1845)	Hatatatenumeri	S	C
	<i>Repomucenus virgisi</i> (Jordan & Fowler 1903)	Horonumeri	S	C
Odontobutidae	<i>Odontobutis obscura</i> (Temminck & Schlegel 1845)	Donko	S	C
Eleotridae	<i>Eleotris acanthopoma</i> Bleeker 1853	Chichibumodoki	S	C
	<i>Eleotris melanosoma</i> Bleeker 1852	Okamehaze	S	R
	<i>Eleotris oxycephala</i> Temminck & Schlegel 1845	Kawaanago	S	R
	<i>Hypseleotris cyprinoides</i> (Valenciennes in Cuvier & Valenciennes 1836)	Tanagomodoki	S	R
Gobiidae	<i>Acanthogobius flavimanus</i> (Temminck & Schlegel 1845)	Mahaze	S	VC
	<i>Acanthogobius hasta</i> (Temminck & Schlegel 1845)	Hazekuchi	S	VR
	<i>Acanthogobius lactipes</i> (Hilgendorf 1879)	Ashishirohaze	S	C
	<i>Acentrogobius pflaumii</i> (Bleeker 1853)	Moyohaze	S	C
	<i>Acentrogobius</i> sp. 2 (Nakabo 2013 <sup>21</sup> ) (Coll. by H. Nakahiro pers. comm.)	Tsumagurosujihaze	P	R
	<i>Amblychaeturichthys hexanema</i> (Bleeker 1853)	Akahaze	S	R
	<i>Amblychaeturichthys sciistius</i> (Jordan & Snyder 1901)	Komochijako	S	C
	<i>Amblyeleotris guttata</i> (Fowler 1938)	Yamabukihaze	W <sup>32</sup>	R
	<i>Amblyeleotris japonicus</i> Takagi 1957	Datehaze	S	C
	<i>Amblyeleotris periophthalmus</i> (Bleeker 1853)	Dandaradatehaze	W <sup>33</sup>	R
	<i>Amblyeleotris wheeleri</i> (Polunin & Lubbock 1977)	Kubiakahaze	W <sup>34</sup>	R
	<i>Amblyeleotris yanoi</i> Aonuma & Yoshino 1996	Yanodatehaze	W <sup>35</sup>	VR
	<i>Apocryptodon punctatus</i> Tomiyama 1934	Tabirakuchi	S	R
	<i>Asterropteryx semipunctatus</i> Rüppell 1830	Hoshihaze	S	C
	<i>Bathygobius cocosensis</i> (Bleeker 1854)	Sujikumohaze	S	R
	<i>Bathygobius cyclopterus</i> (Valenciennes in Cuvier & Valenciennes 1837)	Yahazuhaze	S	R
	<i>Bathygobius fuscus</i> (Rüppell 1830)	Kumohaze	S	C
	<i>Bryaninops amplus</i> Larson 1985	Oogarasuhaze	P	VR
	<i>Callogobius tanegasimae</i> (Snyder 1908)	Tanehaze	S	C
	<i>Chaenogobius annularis</i> (Gill 1859)	Agohaze	S	C
	<i>Chaenogobius heptacanthus</i> (Hilgendorf 1879)	Nikuhaze	S	C
	<i>Chaenogobius macrogathos</i> Bleeker 1860	Edohaze	S	C
	<i>Chaenogobius scrobiculatus</i> (Takagi 1957)	Kubohaze	S	C
	<i>Chaenogobius uchidai</i> (Takagi 1957)	Chikuzenhaze	REF <sup>54</sup>	R
	<i>Chaenogobius urotaenia</i> (Hilgendorf 1879)	Ukigori	S	C
	<i>Chasmichthys gulosus</i> (Guichenot 1882)	Dorome	S	R
	<i>Clariger cosmurus</i> Jordan & Snyder 1901	Sejirohaze	S	C
	<i>Clariger papillosus</i> Ebina 1935	Higesejirohaze	S	R
	<i>Clariger</i> sp. (T. Nakabo 2013 <sup>18</sup> ); 1381, 2118)	Shirohigesejirohaze	S	R
	<i>Cryptocentrus caeruleomaculatus</i> (Herre 1933)	Takanohaze	S	C
	<i>Cryptocentrus filifer</i> (Valenciennes in Cuvier & Valenciennes 1837)	Itohikihaze	S	R
	<i>Ctenotrypauchen microcephalus</i> (Bleeker 1854)	Akauo	S	R
	<i>Drombus</i> sp. (T. Nakabo 2013 <sup>18</sup> ); 1451, 2141)	Kurokohaze	S	C
	<i>Eutaeniichthys gilli</i> Jordan & Snyder 1901	Himohaze	S	R
	<i>Eviota abax</i> (Jordan & Snyder 1901)	Isohaze	S	VC
	<i>Eviota prasina</i> (Klunzinger 1871)	Nanyomidorihaze	S	R
	<i>Favonigobius gymnauchen</i> (Bleeker 1860)	Himehaze	S	R
	<i>Glossogobius olivaceus</i> (Temminck & Schlegel 1845)	Urohaze	S	VC
	<i>Gobiopsis namnas</i> Shibukawa 2010 (K. Shibukawa pers. comm.)	Bakeisagohaze	S	C
	<i>Gobiopsis quinqueincta</i> (Smith 1931)	Kurakakehaze	S	C
	<i>Gymnogobius breunigii</i> (Steindachner 1880)	Biringo	S	R
	<i>Gymnogobius</i> sp.1 (T. Nakabo 2013 <sup>18</sup> ); 1476, 2148)	Sumiukigori	S	R
	<i>Istigobius campbelli</i> (Jordan & Snyder 1901)	Kutsuwahaze	S	C
	<i>Istigobius hoshinonis</i> (Tanaka 1917)	Hoshinohaze	S	C
	<i>Istigobius nigrocellatus</i> (Günther 1873)	Okikazarihaze	S	C
	<i>Leucopsarion petersii</i> Hilgendorf 1880	Shirouo	S	C
	<i>Luciogobius guttatus</i> Gill 1859	Mimizuhaze	S	R
	<i>Luciogobius pallidus</i> Regan 1940	Idomimizuhaze	S	R
	<i>Luciogobius ryukyensis</i> Chen Suzuki & Senou 2008 (H. Nakahiro pers. comm.)	Minamihimimizuhaze	P	R
	<i>Mahidolia mystacinus</i> (Valenciennes in Cuvier & Valenciennes 1837)	Kasurihaze	S	C
	<i>Mugilogobius abei</i> (Jordan & Snyder 1901)	Abehaze	S	C
	<i>Obliquoobius yamadai</i> Shibukawa & Aonuma 2007 (K. Shibukawa pers. comm.)	Kiobichihrohaze	S	R
	<i>Oligolepis acutipennis</i> (Valenciennes in Cuvier & Valenciennes 1837)	Noborihaze	S	R
	<i>Oligolepis stomias</i> (Smith 1941)	Kuchisakehaze	REF <sup>54</sup>	R
	<i>Pandaka lidwilli</i> (McCulloch 1917)	Mangurobugomahaze	S	R

Family	Scientific name	Japanese name	Confirmation	Occurrence
	<i>Papillogobius reichei</i> (Bleeker 1853)	Minamihimehaze	S	R
	<i>Parachaeturichthys polynema</i> (Bleeker 1853)	Higehaze	S	R
	<i>Periophthalmus modestus</i> Cantor 1842	Tobihaze	S	R
	<i>Priolepis cincta</i> (Regan 1908)	Benkeihaze	W <sup>36</sup>	R
	<i>Psamogobius biocellatus</i> (Valenciennes in Cuvier & Valenciennes 1837)	Hitomihaze	S	R
	<i>Pseudogobius masago</i> (Tomiyama 1936)	Masagohaze	S	C
	<i>Pterogobius elapoides</i> (Günther 1872)	Kinubari	S	C
	<i>Pterogobius zonoleucus</i> Jordan & Snyder 1901	Chagara	S	C
	<i>Redigobius bikolanus</i> (Herre 1927)	Hinahaze	S	R
	<i>Rhinogobius brunneus</i> (Temminck & Schlegel 1845)	Kuroyoshinobori	S	C
	<i>Rhinogobius fluvialtilis</i> Tanaka 1925	Ooyoshinobori	S	C
	<i>Rhinogobius giurinus</i> (Rutter 1897)	Gokurakuhaze	S	C
	<i>Rhinogobius kurodai</i> (Tanaka 1908)	Kurodahaze	S	C
	<i>Rhinogobius nagoyae</i> Jordan & Seale 1906	Shimayoshinobori	S	C
	<i>Rhinogobius</i> sp.CO (T. Nakabo 2013 <sup>18</sup> ); 1456, 2128)	Ruriyoshinobori	S	R
	<i>Sagamia geneionema</i> (Hilgendorf 1879)	Sabihaze	S	C
	<i>Sicyopterus japonicus</i> (Tanaka 1909)	Bozuhaze	S	VC
	<i>Stenogobius</i> sp. (T. Nakabo 2013 <sup>18</sup> ); 1440, 2138)	Tanekawahaze	S	R
	<i>Stiphodon percnopterygionus</i> Watson & Chen 1998	Nanyobozechaze	S	R
	<i>Stonogobiops xanthorhinica</i> Hoese & Randall 1982	Nejirinbo	W <sup>37</sup>	C
	<i>Stonogobiops yasha</i> Yoshino & Shimada 2001	Yashahaze	W <sup>38</sup>	R
	<i>Suruga fundicola</i> Jordan & Snyder 1901	Yamihaze	S	R
	<i>Taenioides</i> sp.B (T. Nakabo 2013 <sup>18</sup> ); 1384, 2120)	Chiwarasubo	S	C
	<i>Tomiyamichthys</i> sp. (T. Nakabo 2013; 1492, 2153)	Hotatetsunohaze	P <sup>39</sup>	VR
	<i>Tridentiger brevispinis</i> Katsuyama, Arai & Nakamura 1972	Numachichibu	S	C
	<i>Tridentiger obscurus</i> (Temminck & Schlegel 1845)	Chichibu	S	C
	<i>Tridentiger trigonocephalus</i> (Gill 1859)	Akaobishimahaze	S	R
	<i>Trimma okinawae</i> (Aoyagi 1949)	Okinawabenihaze	W <sup>40</sup>	R
	<i>Valenciennesa helsdingenii</i> (Bleeker 1858)	Kuroitohaze	S	R
	<i>Vanderhorstia</i> sp. (T. Nakabo 2013 <sup>18</sup> ); 1494, 2154)	Kusahaze	S	R
Ptereleotridae	<i>Nemateleotris magnifica</i> Fowler 1938	Hatatatehaze	W <sup>41</sup>	R
	<i>Parioglossus dotui</i> Tomiyama in Tomiyama & Abe 1958	Satsukihaze	REF <sup>54</sup>	R
	<i>Parioglossus philippinus</i> (Herre 1945)	Benitsukesatsukihaze	P	R
	<i>Parioglossus</i> sp. (K. Shibukawa pers. comm.)	Satsukihaze zoku no issuu	P	R
	<i>Ptereleotris evides</i> (Jordan & Hubbs 1925)	Kuroyurihaze	W <sup>42</sup>	R
	<i>Ptereleotris hanae</i> (Jordan & Snyder 1901)	Hanahaze	S	C
Ephippidae	<i>Platax boersii</i> Bleeker 1852	Mikadukitsubameuo	S	R
	<i>Platax orbicularis</i> (Forsskål 1775)	Nanyotsubameuo	S	R
	<i>Platax teira</i> (Forsskål 1775)	Tsubameuo	S	C
Siganiidae	<i>Siganus argenteus</i> (Quoy & Gaimard 1825)	Hanaaigo	S	C
	<i>Siganus fuscescens</i> (Houttuyn 1782)	Aigo	S	C
	<i>Siganus spinus</i> (Linnaeus 1758)	Amiaigo	S	C
	<i>Siganus virgatus</i> (Valenciennes in Cuvier & Valenciennes 1835)	Himeaigo	S	C
	<i>Siganus woodlandi</i> Randall & Kulbicki 2005	Sedakahanaaigo	S	R
Scatophagidae	<i>Scatophagus argus</i> (Linnaeus 1766)	Kurohoshimanjudai	S	C
Zanclidae	<i>Zanclus canescens</i> (Linnaeus 1758)	Tsunodashi	S	C
Acanthuridae	<i>Acanthurus bariene</i> Lesson 1831	Kanranhagi	S	C
	<i>Acanthurus dussumieri</i> Valenciennes in Cuvier & Valenciennes 1835	Nisekanranhagi	S	C
	<i>Acanthurus leucopareius</i> (Jenkins 1903)	Sujikurohagi	S	C
	<i>Acanthurus mata</i> (Cuvier 1829)	Hiraniza	S	C
	<i>Acanthurus nigricans</i> (Linnaeus 1758)	Meganekurohagi	S	C
	<i>Acanthurus nigricauda</i> Duncker & Mohr 1929	Kuromontsuki	S	C
	<i>Acanthurus nigrofuscus</i> (Forsskål 1775)	Naganiza	S	R
	<i>Acanthurus olivaceus</i> Bloch and Schneider 1801	Montsukihagi	P	R
	<i>Acanthurus pyroferus</i> Kittlitz 1834	Kuroguchiniza	S	C
	<i>Acanthurus triostegus</i> (Linnaeus 1758)	Shimahagi	S	VC
	<i>Acanthurus xanthopterus</i> Valenciennes in Cuvier & Valenciennes 1835	Kurohagi	S	C
	<i>Ctenochaetus binotatus</i> Randall 1955	Kokutensazanamihagi	S	C
	<i>Naso annulatus</i> (Quoy & Gaimard 1825)	Himetenguhagi	S	C
	<i>Naso hexacanthus</i> (Bleeker 1855)	Tenguhagimodoki	S	R
	<i>Naso lituratus</i> (Forster in Bloch & Schneider 1801)	Miyakotenguhagi	S	C
	<i>Naso lopezi</i> Herre 1927	Nagatenguhagimodoki	S	R
	<i>Naso thynnoides</i> (Valenciennes in Cuvier & Valenciennes 1835)	Bozuhagi	S	C
	<i>Naso unicornis</i> (Forsskål 1775)	Tenguhagi	S	C
	<i>Prionurus scalprum</i> Valenciennes in Cuvier & Valenciennes 1835	Nizadai	S	VC
	<i>Zebrosoma veliferum</i> (Bloch 1775)	Hirenagahagi	S	C
Istiophoridae	<i>Istiophorus platypterus</i> (Shaw in Shaw & Nodder 1792)	Bashokajiki	S	C
	<i>Istiophorus indica</i> (Cuvier in Cuvier & Valenciennes 1832)	Shirokajiki	S	C
	<i>Makaira mazara</i> (Jordan & Snyder 1901)	Kurokajiki	P	C

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	<i>Kajikia audax</i> (Philippi 1887)	Makajiki	P	C
Xiphiidae	<i>Xiphias gladius</i> Linnaeus 1758	Mekajiki	S	C
Sphyraenidae	<i>Sphyraena barracuda</i> (Edwards 1771)	Onikamasu	S	C
	<i>Sphyraena forsteri</i> Cuvier in Cuvier & Valenciennes 1829	Oomekamasu	S	C
	<i>Sphyraena helleri</i> Jenkins 1901	Hosokamasu	S	C
	<i>Sphyraena iburiensis</i> Doiuchi & Nakabo 2005	Iburikamasu	S	C
	<i>Sphyraena japonica</i> Bloch & Schneider 1801	Yamatokamasu	S	C
	<i>Sphyraena jello</i> Cuvier in Cuvier & Valenciennes 1829	Kamasu zoku no isshu	S	R
	<i>Sphyraena obtusata</i> Cuvier in Cuvier & Valenciennes 1829	Taiwankamasu	S	C
	<i>Sphyraena pinguis</i> Günther 1874	Akakamasu	S	C
	<i>Sphyraena putnamae</i> Jordan & Seale 1905	Ookamasu	S	C
Gempylidae	<i>Gempylus serpens</i> Cuvier 1829	Kurotachikamasu	S	C
	<i>Neopinnula orientalis</i> (Gilchrist & von Bonde 1924)	Toyokamasu	S	C
	<i>Promethichthys prometheus</i> (Cuvier in Cuvier & Valenciennes 1832)	Kuroshibikamasu	S	C
	<i>Thyrsoitoides marleyi</i> Fowler 1929	Nagatachikamasu	S	C
Trichiuridae	<i>Assurger anzac</i> (Alexander 1917)	Nagayumetachimodoki	S	R
	<i>Trichiurus japonicus</i> Temminck & Schlegel 1844	Tachiuo	S	C
	<i>Trichiurus</i> sp. 2 (T. Nakabo 2013 <sup>18</sup> ); 1647, 2222)	Tenjikutachi	S	C
Scombridae	<i>Acanthocybium solandri</i> (Cuvier in Cuvier & Valenciennes 1832)	Kamasusawara	S	C
	<i>Auxis rochei rochei</i> (Risso 1810)	Marusoda	S	VC
	<i>Auxis thazard thazard</i> (Lacepède 1800)	Hirasoda	S	C
	<i>Euthynnus affinis</i> (Cantor 1849)	Suma	S	C
	<i>Grammatorycnus bilineatus</i> (Rüppell 1836)	Nijosaba	S	C
	<i>Gymnosarda unicolor</i> (Rüppell 1836)	Isomaguro	S	R
	<i>Katsuwonus pelamis</i> (Linnaeus 1758)	Katsuo	P	VC
	<i>Rastrelliger kanagurta</i> (Cuvier 1816)	Gurukuma	S	R
	<i>Sarda orientalis</i> (Temminck & Schlegel 1844)	Hagatsuo	S	VC
	<i>Scomber australasicus</i> Cuvier in Cuvier & Valenciennes 1832	Gomasaba	S	VC
	<i>Scomber japonicus</i> Houttuyn 1782	Masaba	S	VC
	<i>Scomberomorus commerson</i> (Lacepède 1800)	Yokoshimasawara	P	C
	<i>Scomberomorus koreanus</i> (Kishinouye 1915)	Hirasawara	S	R
	<i>Scomberomorus niphonium</i> (Cuvier in Cuvier & Valenciennes 1832)	Sawara	S	VC
	<i>Thunnus alalunga</i> (Bonnaterre 1788)	Binnaga	S	C
	<i>Thunnus albacares</i> (Bonnaterre 1788)	Kihada	S	C
	<i>Thunnus obesus</i> (Lowe 1839)	Mebachi	S	C
	<i>Thunnus orientalis</i> (Temminck & Schlegel 1844)	Kuromaguro	S	C
	<i>Thunnus tonggol</i> (Bleeker 1851)	Koshinaga	S	C
Channidae	<i>Channa argus</i> (Cantor 1842)	Kamuruchi	S	IF
Caproidae	<i>Antigonia capros</i> Lowe 1843	Hishidai	S	C
Citharidae	<i>Citharoides macrolepidotus</i> Hubbs 1915	Kokebirame	S	R
	<i>Lepidoblepharon ophthalmolepis</i> Weber 1913	Urokogarei	S	R
Paralichthyidae	<i>Paralichthys olivaceus</i> (Temminck & Schlegel 1846)	Hirame	S	VC
	<i>Pseudorhombus dupliciellatus</i> Regan 1905	Megarei	S	R
	<i>Pseudorhombus levisquamis</i> (Oshima 1927)	Taiwanganzobirame	S	C
	<i>Pseudorhombus oculocirris</i> Amaoka 1969	Heraganzobirame	S	C
	<i>Pseudorhombus oligodon</i> (Bleeker 1854)	Nanyogarei	S	C
	<i>Pseudorhombus pentophthalmus</i> Günther 1862	Tamaganzobirame	S	C
	<i>Pseudorhombus arsius</i> (Hamilton 1822)	Tenjikugarei	S	C
	<i>Pseudorhombus cinnamoneus</i> (Temminck & Schlegel 1846)	Ganzobirame	S	C
	<i>Tarphops elegans</i> Amaoka 1969	Yumearamegarei	S	C
	<i>Tarphops oligolepis</i> (Bleeker 1859)	Aramegarei	S	C
Bothidae	<i>Arnoglossus macrolophus</i> Alcock 1889	Nitennagadarumagarei	S	C
	<i>Arnoglossus polyspilus</i> (Günther 1880)	Nanyodarumagarei	S	C
	<i>Bothus mancus</i> (Broussonet 1782)	Mondarumagarei	S	C
	<i>Bothus myriaster</i> (Temminck & Schlegel 1846)	Hoshidarumagarei	S	C
	<i>Bothus pantherinus</i> (Rüppell 1830)	Togedarumagarei	S	C
	<i>Chascanopsetta lugubris lugubris</i> Alcock 1894	Zaragarei	S	C
	<i>Crossorhombus kanekonis</i> (Tanaka 1918)	Kanekodarumagarei	S	C
	<i>Crossorhombus kobensis</i> (Jordan & Starks 1906)	Kobedarumagarei	S	C
	<i>Engyprosopon grandisquama</i> (Temminck & Schlegel 1846)	Darumagarei	S	C
	<i>Engyprosopon longipelvis</i> Amaoka 1969	Himedarumagarei	S	C
	<i>Engyprosopon maldivensis</i> (Regan, 1908)	Tenagadarumagarei	S	C
	<i>Engyprosopon multisquama</i> Amaoka 1963	Chikamedarumagarei	S	C
	<i>Engyprosopon xystrias</i> Hubbs 1915	Nisedarumagarei	S	C
	<i>Kamoharua megastoma</i> (Kamohara 1936)	Wanigarei	S	C
	<i>Laeops kitaharae</i> (Smith & Pope 1906)	Yarigarei	S	C
	<i>Parabothus coarctatus</i> (Gilbert 1905)	Sumiregarei	S	C
	<i>Psettina iijimae</i> (Jordan & Starks 1904)	Iijimadarumagarei	S	C
	<i>Psettina tosana</i> Amaoka 1963	Tosadarumagarei	S	C

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Pleuronectidae	<i>Kareius bicoloratus</i> (Basilewsky 1855)	Ishigarei	S	VR	
	<i>Pleuronichthys japonicus</i> Suzuki, Kawashima & Nakabo 2009	Nagaremeitagarei	S	C	
	<i>Tanakius kitaharae</i> (Jordan & Starks 1904)	Yanagimushigarei	S	VR	
Poecilopsettidae	<i>Poecilopsetta plinthus</i> (Jordan & Starks 1904)	Kawaragarei	S	VR	
Samaridae	<i>Samaris cristatus</i> Gray 1831	Hatatategarei	S	VR	
	<i>Samariscus latus</i> Matsubara & Takamuki 1951	Tsumaritsukinowagarei	S	VR	
Soleidae	<i>Aesopia cornuta</i> Kaup 1858	Tsunoushinoshita	S	C	
	<i>Aseraggodes kobensis</i> (Steindachner 1896)	Tobisasaushinoshita	S	C	
	<i>Heteromycteris japonica</i> (Temminck & Schlegel 1846)	Sasaushinoshita	S	C	
	<i>Heteromycteris matsubarai</i> Ochiai 1963	Montsukiushinoshita	S	C	
	<i>Liachirus melanospilus</i> (Bleeker 1854)	Garasuushinoshita	S	C	
	<i>Parachirus</i> sp. (T. Nakabo 2013 <sup>18</sup> ); 1689, 2232)	Musumeushinoshita	S	C	
	<i>Parachirus xenicus</i> (Matsubara & Ochiai 1963)	Otomeushinoshita	S	R	
	<i>Pardachirus pavoninus</i> (Lacepède 1802)	Minamiushinoshita	S	C	
	<i>Pseudaesopia japonica</i> (Bleeker 1860)	Setoushinoshita	S	C	
	<i>Zebrias zebrius</i> (Temminck & Schlegel 1846)	Shimaushinoshita	S	C	
	Cynoglossidae	<i>Arelia bilineata</i> (Lacepède 1802)	Ooshitabirame	S	C
		<i>Cynoglossus abbreviatus</i> (Gray 1834)	Koraiakashitabirame	S	C
		<i>Cynoglossus interruptus</i> Günther 1880	Genko	S	C
<i>Cynoglossus itinus</i> (Snyder 1909)		Minamiakashitabirame	S	C	
<i>Cynoglossus joyneri</i> Günther 1878		Akashitabirame	S	C	
<i>Cynoglossus nigropinnatus</i> Ochiai 1963		Hiregurogenko	S	C	
<i>Cynoglossus ochiaii</i> Yokogawa, Endo & Sakaji 2008		Okigenko	S	R	
<i>Cynoglossus robustus</i> Günther 1873		Inunoshita	S	C	
<i>Paraplagusia japonica</i> (Houttuyn 1782)		Kuroushinoshita	S	VC	
<i>Paraplagusia blochii</i> (Bleeker 1851)		Nanyoushinoshita	S	C	
<i>Symphurus strictus</i> Gilbert 1905		Himoushinoshita	S	C	
Triacanthodidae		<i>Halimochirurgus alcocki</i> Weber 1913	Nagakawamuki	S	R
		<i>Macrorhamphosodes uradoi</i> (Kamohara 1933)	Fuekawamuki	S	R
	<i>Paratriacanthodes retrospinis</i> Fowler 1934	Misujikawamuki	S	R	
	<i>Triacanthodes anomalus</i> (Temminck & Schlegel 1850)	Benikawamuki	S	R	
Triacanthidae	<i>Triacanthus biaculeatus</i> (Bloch 1786)	Gima	S	R	
Balistidae	<i>Balistapus undulates</i> (Park 1797)	Kumadori	S	R	
	<i>Balistooides conspicillum</i> (Bloch & Schneider 1801)	Mongarakawahagi	S	C	
	<i>Balistooides viridescens</i> (Bloch & Schneider 1801)	Gomamongara	S	C	
	<i>Canthidermis maculate</i> (Bloch 1786)	Amimongara	S	C	
	<i>Odonus niger</i> (Rüppell 1836)	Akamongara	S	C	
	<i>Pseudobalistes flavimarginatus</i> (Rüppell 1829)	Kiherimongara	S	C	
	<i>Pseudobaliste fuscus</i> (Bloch & Schneider 1801)	Isomongara	S	C	
	<i>Rhinecanthus verrucosus</i> (Linnaeus 1758)	Kurakakemongara	S	C	
	<i>Sufflamen bursa</i> (Bloch & Schneider 1801)	Musumehagi	S	C	
	<i>Sufflamen chrysopterum</i> (Bloch & Schneider 1801)	Tsumajiromongara	S	C	
	<i>Sufflamen fraenatum</i> (Latreille 1804)	Meganehagi	S	C	
	<i>Xanthichthys coeruleolineatus</i> Randall, Matsuura & Zama 1978	Aosujimongara	S	R	
	<i>Xenobalistes punctatus</i> Heemstra & Smith 1983 (K. Matsuura, pers. comm.)	Tsubasamongara zoku no isshu	S	VR	
	Monacanthidae	<i>Abalistes stellatus</i> (Bloch & Schneider 1801)	Okihagi	S	C
		<i>Aluterus scriptus</i> (Osbeck 1765)	Soshihagi	S	C
		<i>Aluterus monoceros</i> (Linnaeus 1758)	Usubahagi	S	C
		<i>Brachaluteres ulvarum</i> Jordan & Fowler 1902	Aosahagi	W <sup>13</sup>	VR
<i>Cantherhines dumerilii</i> (Hollard 1854)		Hakuseihagi	S	R	
<i>Cantherhines fronticinctus</i> (Günther in Playfair & Günther 1867)		Meganeumadurahagi	S	C	
<i>Cantherhines pardalis</i> (Rüppell 1837)		Amimeumadurahagi	S	R	
<i>Chaetodermis penicilligera</i> (Cuvier 1816)		Higehagi	S	E	
<i>Paramonacanthus oblongus</i> (Temminck & Schlegel 1850)		Yosogi	S	R	
<i>Pervagor janthinosa</i> (Bleeker 1854)		Nishikikawahagi	S	R	
<i>Pseudalutarius nasicornis</i> (Temminck & Schlegel 1850)		Hanatsunohagi	S	R	
<i>Paramonacanthus pusillus</i> (Rüppell 1829) II		Tsuranagahagi	S	R	
<i>Rudarius ercodes</i> Jordan & Fowler 1902		Amimehagi	S	C	
<i>Stephanolepis cirrhifer</i> (Temminck & Schlegel 1850)		Kawahagi	S	VC	
<i>Thamnaconus hypargyreus</i> (Cope 1871)		Sarasahagi	S	C	
<i>Thamnaconus modestoides</i> (Barnard 1927)		Kibirekawahagi	S	R	
<i>Thamnaconus modestus</i> (Günther 1877)		Umadurahagi	S	C	
<i>Thamnaconus tessellatus</i> (Günther 1880)	Goishiumadurahagi	S	VR		
Aracanidae	<i>Kentrocapros aculeatus</i> (Houttuyn 1782)	Itomakifugu	S	C	
Ostraciidae	<i>Lactoria cornuta</i> (Linnaeus 1758)	Kongofugu	S	R	
	<i>Lactoria diaphana</i> (Bloch & Schneider 1801)	Umisuzume	S	C	
	<i>Lactoria fornasini</i> (Bianconi 1846)	Shimaumisuzume	S	C	
	<i>Ostracion cubicum</i> Linnaeus 1758	Minamihakofugu	S	C	
	<i>Ostracion immaculatum</i> Temminck & Schlegel 1850	Hakofugu	S	VC	

Family	Scientific name	Japanese name	Confirmation	Occurrence
Tetraodontidae	<i>Tetosomus reipublicae</i> (Ogilby 1913)	Hamafugu	S	C
	<i>Tetosomus gibbosus</i> (Linnaeus 1758)	Rakudahakofugu	S	R
	<i>Arothron firmamentum</i> (Temminck & Schlegel 1850)	Hoshifugu	S	C
	<i>Arothron hispidus</i> (Linnaeus 1758)	Sazanamifugu	S	C
	<i>Arothron immaculatus</i> (Bloch & Schneider 1801)	Kasumifugu	S	R
	<i>Arothron manilensis</i> (Marion de Proc 1822)	Sujimoyofugu	S	C
	<i>Arothron meleagris</i> (Lacepède (ex Commerson) 1798)	Mizorefugu	S	C
	<i>Arothron multilineatus</i> Matsuura 2016	Tasujifugu	S	VR
	<i>Arothron reticularis</i> (Bloch & Schneider 1801)	Wamonfugu	REF <sup>54)</sup>	R
	<i>Arothron stellatus</i> (Bloch & Schneider 1801)	Moyofugu	S	R
	<i>Canthigaster compressa</i> (Marion de Proc 1822)	Himekinchakufugu	S	C
	<i>Canthigaster coronatus</i> (Vaillant & Sauvage 1875)	Hanakinchakufugu	S	R
	<i>Canthigaster rivulata</i> (Temminck & Schlegel 1850)	Kitamakura	S	VC
	<i>Canthigaster valentini</i> (Bleeker 1853)	Shimakinchakufugu	P	C
	<i>Chelonodon patoca</i> (Hamilton 1822)	Okinawafugu	S	C
	<i>Lagocephalus gloveri</i> Abe & Tabeta 1983	Kurosabafugu	S	VC
	<i>Lagocephalus inermis</i> (Temminck & Schlegel 1850)	Kanafugu	S	VR
	<i>Lagocephalus lagocephalus</i> (Linnaeus 1758)	Kumasakafugu	S	R
	<i>Lagocephalus lunaris</i> (Bloch & Schneider 1801)	Dokusabafugu	S	C
	<i>Lagocephalus sceleratus</i> (Gmelin 1789)	Senninfugu	S	C
	<i>Lagocephalus suezensis</i> Clark & Gohar 1953	Kaiyusenninfugu	S	R
	<i>Lagocephalus spadiceus</i> (Richardson 1845)	Shirosabafugu	S	C
	<i>Sphoeroides pachygaster</i> (Müller & Troschel 1848)	Yoritofugu	S	R
	<i>Takifugu niphobles</i> (Jordan & Snyder 1901)	Kusafugu	S	VC
	<i>Takifugu ocellatus</i> (Linnaeus 1758)	Meganefugu	S	R
	<i>Takifugu pardalis</i> (Temminck & Schlegel 1850)	Higanfugu	S	C
	<i>Takifugu poecilnotus</i> (Temminck & Schlegel 1850)	Komonfugu	S	VC
	<i>Takifugu porphyreus</i> (Temminck & Schlegel 1850)	Mafugu	S	R
	<i>Takifugu rubripes</i> (Temminck & Schlegel 1850)	Torafugu	S	C
	<i>Takifugu snyderi</i> (Abe 1988)	Shosaifugu	S	VC
	<i>Takifugu vermicularis</i> (Temminck & Schlegel 1850)	Nashifugu	S	C
	<i>Takifugu xanthopterus</i> (Temminck & Schlegel 1850)	Shimafugu	S	R
	<i>Torquigener brevipinnis</i> (Regan 1903)	Shippofugu	S	C
<i>Torquigener hypselogeneion</i> (Bleeker 1852)	Namidafugu	S	R	
Diodontidae	<i>Chilomycterus reticulatus</i> (Linnaeus 1758)	Ishigakifugu	S	VC
	<i>Diodon holocanthus</i> Linnaeus 1758	Harisenbon	S	C
	<i>Diodon hystrix</i> Linnaeus 1758	Nezumifugu	S	C
Molidae	<i>Mola</i> sp. B (Nakabo 2013 <sup>18)</sup> ; 1747, 2242)	Manbo	W <sup>44</sup>	C

<sup>1</sup>[http://blog.goo.ne.jp/yamakawa\\_trek/e/10d0556e7257bf4b7237ec1c30eb4cba](http://blog.goo.ne.jp/yamakawa_trek/e/10d0556e7257bf4b7237ec1c30eb4cba), <sup>2</sup><http://dive-supernatural.com/?p=3604>, <sup>3</sup><http://dive-supernatural.com/?p=815>, <sup>4</sup><http://zukan.com/fish/leaf25032>, <sup>5</sup><http://dive-supernatural.com/?p=801>, <sup>6</sup><http://dive-supernatural.com/?p=791>, <sup>7</sup><http://dive-supernatural.com/?p=3402>, <sup>8</sup><http://okinawanfish.com/%E3%82%AF%E3%83%A9%E3%82%AB%E3%82%B1%E3%83%81%E3%83%A7%E3%82%A6%E3%82%A6%E3%82%AA>, <sup>9</sup><http://dive-supernatural.com/?p=3465>, <sup>10</sup><http://zukan.com/fish/leaf24443>, <sup>11</sup><http://zukan.com/fish/leaf24189>, <sup>12</sup><http://zukan.com/fish/leaf24185>, <sup>13</sup><http://zukan.com/fish/leaf24190>, <sup>14</sup><http://zukan.com/fish/leaf24444>, <sup>15</sup><http://zukan.com/fish/leaf24191>, <sup>16</sup><http://zukan.com/fish/leaf24183>, <sup>17</sup><http://zukan.com/fish/leaf24180>, <sup>18</sup><http://www.cc.miyazaki-u.ac.jp/yuk/research/tanakaII-kinchaku.html>, <sup>19</sup><http://zukan.com/fish/leaf24245>, <sup>20</sup><http://zukan.com/fish/leaf24576>, <sup>21</sup><http://zukan.com/fish/leaf22082>, <sup>22</sup><https://www.youtube.com/watch?v=yydesqp5vmM>, <sup>23</sup><http://www.cc.miyazaki-u.ac.jp/yuk/research/yakko.html>, <sup>24</sup><http://dive-supernatural.com/?p=3324>, <sup>25</sup><http://dive-supernatural.com/?p=3369>, <sup>26</sup><http://dive-supernatural.com/?p=3513>, <sup>27</sup><http://dive-supernatural.com/?p=3498>, <sup>28</sup><http://dive-supernatural.com/?p=366>, <sup>29</sup><http://zukan.com/fish/leaf23113>, <sup>30</sup><http://dive-supernatural.com/?p=776>, <sup>31</sup><http://zukan.com/fish/internal3453>, <sup>32</sup><http://dive-supernatural.com/?p=1819>, <sup>33</sup><http://dive-supernatural.com/?p=1866>, <sup>34</sup><http://dive-supernatural.com/?p=1819>, <sup>35</sup><http://dive-supernatural.com/?p=3644>, <sup>36</sup><http://dive-supernatural.com/?p=3238>, <sup>37</sup><http://dive-supernatural.com/?p=1937>, <sup>38</sup>[http://n-shimomura.way-nifty.com/blog/2006/12/post\\_ecc3.html](http://n-shimomura.way-nifty.com/blog/2006/12/post_ecc3.html), <sup>39</sup><https://www.youtube.com/watch?v=iRBoOugqRQA>, <sup>40</sup><http://kinsuke.blog46.fc2.com/blog-entry-393.html>, <sup>41</sup><http://www.scuba-diver.ne.jp/0607291507.html>, <sup>42</sup><http://dive-supernatural.com/?p=3538>, <sup>43</sup><http://dive-supernatural.com/?p=801>, <sup>44</sup><http://www.padi.co.jp/visitors/news/pn12034.asp>

## Results

The fishes in the area are classified into 227 families, 678 genera and 1,332 species including 24 subspecies and 1 hybrid, consisting of fishes as natural inhabitants in the Hyuga Nada area and introduced fishes as alien species out of Japan or the other area in Japan. All annotated checklist are shown in Table 1.

In addition, eight species were added from the Hyuga Nada Area after submission of this report: Osujikurohagi (P) *Acanthurus blochii* Valenciennes 1835, Kamoharaginpo (P) *Meiacanthus kamoharai* Tomiyama 1956, Kakureuoka (S) Carapidae sp., Gigi (P) *Tachysurus nudiceps* (Sauvage 1883), Kokutenfugu (S) *Arothron nigropunctatus* (Schneider 1801), Hohosujitarumi (S) *Macolor macularis* Fowler 1931, Yaseharisenbon (S) *Diodon eydouxi* Brissout & Barneville 1846, and Yatsumeunagika (S) Petromyzontidae sp. (Ammocoetes larva).

## Discussion

### Fish fauna of the Hyuga Nada area in the northwestern Pacific

A total of 228 families, 680 genera and 1,340 species including 24 subspecies and one hybrid (Table 1) are confirmed in the Hyuga Nada area. In Kochi Prefecture, the northeastern adjacent prefecture of the Hyuga Nada area, 1,913 species of fishes were listed in 2006: ([http://www.kochi-u.ac.jp/w3museum/Fish\\_Labo/FishCatalog/Orders.html](http://www.kochi-u.ac.jp/w3museum/Fish_Labo/FishCatalog/Orders.html)), but the number of fish species is currently considered over and over 2,000 (H. Endo, pers. comm.). It reaches beyond half of all known Japanese species if it is considered 4,210 species from the Japanese Archipelagos<sup>18)</sup>. It seems that fish diversity in Kochi Prefecture is richer than that of the Hyuga Nada area because the Kuroshio Current directly encounters Kochi Prefecture. Larval and juvenile fishes of tropical and subtropical species in the Ryukyu Islands, Japan, would be easily transported directly into the coastal area of Kochi Prefecture although we guess that such number would include a lot of killing migratory fishes like chaetodontids.

In the southern adjacent area, Kagoshima Prefecture including Yakushima and Tanegashima Islands<sup>8)</sup>, the fish fauna includes ca. 1,500 species (H. Motomura, pers. comm.) as well as 1,517 species for Sagami Bay near Tokyo<sup>65)</sup> (1,688 in February 2017, H. Senou, pers. comm.). From Ago Bay and its adjacent waters, Mie Prefecture, Kimura and Suzuki<sup>66-67)</sup> reported 375 species of fishes, but now the FRLM museum collection shows 1,243 species on the basis of only voucher specimens collected from Mie Prefecture. We consider that the fish accounts of the Hyuga Nada area might be able to increase until ca. 1,500 species by further research.

On the other hand, the fish faunas in East China Sea and Yellow Sea (K. Hoshino, pers. comm.; unpublished checklist), Wakasa Bay, Kyoto Prefecture<sup>68)</sup> and Hokkaido<sup>69)</sup> are confirmed 1,158 species, over ca. 600, and ca. 650, respectively. Combined accounts from local fisheries stations of each prefecture along the coast of Sea of Japan by references' basis reaches at 1,396<sup>70)</sup>. Furthermore, southwestern Taiwan, and South China Sea show 2,133<sup>71)</sup>, and 3,365<sup>72)</sup> species of fishes, respectively. The updated checklist of fishes in the Ryukyu Islands, Japan, is not published but it could include simply more than 2,500 species [vs. 4,210<sup>18)</sup>, known from Japan].

Fishes from the East Asian Shelf or northwestern Pacific (FAO Area 61) have demonstrated the richest and highest catches in the world<sup>73)</sup>. Many endemic species from the East Asian Shelf including the Japanese Archipelago can be confirmed<sup>18)</sup>. Such endemic species are considered usually temperate fishes. It is interesting and important for ichthyologists to know what percent of such endemic species in all accounts of the East Asia Shelf or the Hyuga Nada area is found because endemic fish list and its percentage indicate very useful species for judgements of fisheries management (beneficial and commercial species for human beings), conservation (protection) of endangered species, and characteristics of local fauna like the Hyuga Nada area.

However, endemism in fishes of northwestern Pacific (FAO Area 61) has not been enough evaluated unfortunately. A value of 10% was chosen by Briggs<sup>74)</sup> for an area to qualify as a distinct province after an examination of endemism rates in numerous areas. Notably, this minimum value would admit most of the areas that were previously recognized as provinces on the basis of less formal criteria by Briggs & Bowen<sup>75)</sup>, which admitted several segments of Oriental Province (Western North Pacific Region), but endemism of East Asia could not be evaluated for Taiwan, China and Vietnam in the southern region of the East Asia together with notes of "Although there are no recent taxonomic evaluations (known to us), the older literature demonstrated considerable endemism in ascidians, pycnogonids and fishes (Briggs, 1974)". Further criteria of endemism for northwestern Pacific is needed for basic biological information of fisheries

resource management as well as the evaluation (characteristics) of the Hyuga Nada area in northwestern Pacific.

### Characteristic species from the Hyuga Nada area and their freshwater species

Akame *Lates japonicus*<sup>9-13)</sup>, Namimatsukasa *Myriopristes kochiensis*<sup>14)</sup>, Yamatoitohikisagi *Gerres microphthalmus*<sup>15)</sup>, Sedakadaimyosagi *G. akazakii*<sup>16)</sup> and Oninouchiwa *Platyrrhina hyugaensis*<sup>17)</sup> are always found in in the Hyuga Nada area as relatively common from juveniles to adults as briefly noted in **Introduction**. Further, such species rarely or sporadically occur along the Pacific coasts of Kinki, Tokai, and Kanto, but do not occur in western Kyushu, the Ryukyu Islands, South Korea, Taiwan, and China<sup>9-17)</sup>. Therefore, these fishes are considered as characteristic or symbolic coastal species in the Hyuga Nada area. In addition, Toyo-urumakasago *Scorpaenopsis orientalis*<sup>27)</sup> is considered as nearly characteristic species in the Hyuga Nada area although its range extends to Kagoshima Prefecture, Tanegashima and Mishima Islands (as limited distribution; H. Motomura pers. comm.). In the freshwater fishes, it is known only to a single endemic species in Miyazaki Prefecture, Oyodo-shimadojyo *Cobitis sakahoko*<sup>28)</sup>, which it was recently described.

### Fish faunal differences between the northern and southern Hyuga Nada areas

A lot of ichthyological papers in the Hyuga Nada area have been reported in faunal reports, ecological research, taxonomical studies, distributional extension and introduced fishes as cited in Introduction. Subsequently, the first author reported many first records of species reported from the southern Hyuga Nada area. Four tropical carangid species occurred from the southern Hyuga Nada area as the first records from Japan: Kuroboshi-hiraaji *Alepes djedaba*<sup>41)</sup>, Teru-meaji *Selar boops*<sup>42)</sup>, Kogane-marukoban *Trachinotus mookalee*<sup>43)</sup> and Ookuichiikekatsuo *Scomberoides commersonianus*<sup>44)</sup>, these facts suggest strong effect by global warming because higher change of seawater temperature increased in +1.21°C in the Hyuga Nada area (as a changed area of the highest temperature within Pacific coast of the Japanese waters) for past 100 years ([http://www.data.jma.go.jp/kaiyou/data/shindan/a\\_1/japan\\_warm/japan\\_warm.html](http://www.data.jma.go.jp/kaiyou/data/shindan/a_1/japan_warm/japan_warm.html)). Furthermore, the above four species have never been reported from the Ryukyu Islands, Japan, as well as the northern Hyuga Nada but were known from Taiwan or China. Accordingly, these facts strongly suggest their origin or population from Taiwan and China<sup>46, 71)</sup>.

Sake *Oncorhynchus keta* as a poorly known species<sup>47, 63)</sup> of the Hyuga Nada area in Japan, Menada *Liza haematocheilus*, Umitanago *Ditrema temminckii temminckii*, Kujime *Hexagrammos agrammus*, Idatenkajika *Ocyinctes maschalis*, Aya-anahaze *Pseudoblennius marmoratus*, Anahaze *Pseudoblennius percooides*, Kirin-anahaze *Pseudoblennius* sp. 3<sup>18)</sup>, Urokokajika *Stlengis misakia*, Asahianahaze *Pseudoblennius cottoides*, Kusauo *Liparis tanakae*, Bikunin *Liparis tessellatus*, Shirouo *Leucopsarion petersii*, Ishigarei *Kareius bicolorata*, and Amimehagi *Rudarius ercodes* were found even only in the northern Hyuga Nada area as the southernmost record of Pacific coast of southwestern Japan. These fishes are justified as northern originated fishes in north or northwestern Pacific. Such species basically occurs southward to Kadokawa Bay and Hyuga City, Miyazaki Prefecture. We had never seen such species in the southern Hyuga Nada area from Kawaminami-cho, Miyazaki Prefecture, through the Nichinan Coast, to Shibushi Bay, Kagoshima Prefecture before around 2000. In addition, we saw Ishigarei only once (15 January 2014; MUFS 45633) but we have never seen another famous Japanese and endemic flatfish, Makogarei *Pleuronectes yokohamae*, being characteristics in the Hyuga Nada area, too.

Subsequently, several species of Anahaze, Shirouo, and Amimehagi were often confirmed from the southern Hyuga Nada area after around 2000. The latter two species might reproduce at the area because



tens of transparent body of Shirouo (ca. 4–5 cm in total length, anadromous for spawning in lower basin of river) and Amimehagi (ca. 1–6 cm in total length) were collected from the Kumaya River estuary, the Nichinan Coast and Meitsu Harbor, Nango, respectively in 2006–2008 by the first author. This change might have suggested to be affected by the following global warming and global change of weather.

The change of their occurrence might have been strongly connected with robust Arctic sea-ice influence on the frequent Eurasian cold winters in past decades<sup>76)</sup>, which resulted in the decline of seawater temperature and severe storm for southwestern Japan in winter season after 2000. This fact is strongly considered as global warming<sup>76)</sup>. Abrupt change in three or four degree Celsius of higher sea temperature (ca. 19–21 °C if comparing with past temperature, 15–16 °C) and gradual decrease of mean daily seawater temperature in winter (by “big chill”) for past 10 years (2005–2015; <http://www.mz-suishi.jp/import01/06.html>) might have disturbed their usual distributional pattern of northern origin species as above noted in the Hyuga Nada area, as well as collection of deep sea fishes (for example Sakegashira *Trachipterus ishikawae* and Ryugunotsukai *Regalecus glesne*) in shallow coastal area. The latter species (MUFS 46251, ca. 330 cm in total length; [http://www.the-miyanichi.co.jp/kennai/\\_4965.html](http://www.the-miyanichi.co.jp/kennai/_4965.html)) was collected from Meitsu, Nango, Miyazaki by set net in 31 March 2014.

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## 西南日本日向灘水域の魚類目録

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### 要 旨

宮崎県および隣接する大分県佐賀県南部と鹿児島県大隅半島東側を含めた、日向灘水域の魚類目録を作成した。この地域の海産魚および淡水魚として、228科680属、亜種と雑種を含む1,340種が確認された。これらはこの地域に自然分布している種と国内外から移入した外来種を含んでいる。外来種には記録の明らかな養殖魚も含まれる。今回の記録は、宮崎大学魚類学術標本に基づくもの、学術文献等に報告され確認されたもの、写真のみにより確認したもの、およびウェブサイトに掲載された写真によって確認したものを含み、それらの確認方法も記した。また各魚種についての概略的な出現傾向も記した。さらに日向灘水域における魚類の特徴や最近の出現傾向の変化についても若干の考察も加えた。