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**EXCERPT FROM THE STANDARD REFERENCE FOR FISHES:
ONLINE VERSION OF ESCHMEYER, W. N., R. FRICKE, AND R. VAN DER LAAN (EDS.),
CATALOG OF FISHES: GENERA, SPECIES, REFERENCES**

(Downloaded by the Secretariat on 28 AUGUST 2019)

Summary:

Resolution 12.27 instructs the Scientific Council to review at its last meeting before each meeting of the Conference of Parties the updated online versions of the standard references for fishes with respect to the species listed on the Appendices and make recommendations as to whether the name of any listed species should be updated.

To support the Scientific Council with the implementation of this task, the Secretariat has prepared the present excerpt from the standard Reference for fishes (ONLINE VERSION OF ESCHMEYER, W. N., R. FRICKE, AND R. VAN DER LAAN (EDS.), CATALOG OF FISHES: GENERA, SPECIES, REFERENCES), which provides the taxonomic status of all CMS-listed fish species as of 28 August 2019 in accordance with that reference.

TABLE OF CONTENTS

<u>I. Actinopterygii</u>	5
<u>Acipenseridae</u>	5
1. <u>Acipenser baerii baicalensis</u>	5
2. <u>Acipenser fulvescens</u>	6
3. <u>Acipenser gueldenstaedtii</u>	10
4. <u>Acipenser medirostris</u>	12
5. <u>Acipenser mikadoi</u>	13
6. <u>Acipenser naccarii</u>	13
7. <u>Acipenser nudiventris</u>	16
8. <u>Acipenser persicus</u>	17
9. <u>Acipenser ruthenus</u>	18
10. <u>Acipenser schrenckii</u>	23
11. <u>Acipenser sinensis</u>	23
12. <u>Acipenser stellatus</u>	24
13. <u>Acipenser sturio</u>	26
14. <u>Huso huso</u>	29
15. <u>Pseudoscaphirhynchus fedtschenkoi</u>	37
16. <u>Pseudoscaphirhynchus hermanni</u>	37
17. <u>Pseudoscaphirhynchus kaufmanni</u>	38
<u>Anguillidae</u>	38
18. <u>Anguilla anguilla</u>	38
<u>Polyodontidae</u>	63
19. <u>Psephurus gladius</u>	63
<u>Schilbeidae</u>	63
20. <u>Pangasianodon gigas</u>	63
<u>II. Chondrichthyes</u>	63
<u>Alopiidae</u>	64
1. <u>Alopias pelagicus</u>	64
2. <u>Alopias superciliosus</u>	65
3. <u>Alopias vulpinus</u>	66
<u>Carcharhinidae</u>	69
4. <u>Carcharhinus falciformis</u>	69
5. <u>Carcharhinus obscurus</u>	71

6. Prionace glauca	73
Cetorhinidae	75
7. Cetorhinus maximus	75
Lamnidae	78
8. Carcharodon carcharias	78
9. Isurus oxyrinchus	81
10. Isurus paucus	84
11. Lamna nasus	85
Mobulidae	87
12. Manta alfredi	87
13. Manta birostris	88
14. Mobula eregoodootenkee	92
15. Mobula hypostoma	93
16. Mobula japonica	94
17. Mobula kuhlii	95
18. Mobula mobular	96
19. Mobula munkiana	100
20. Mobula rochebrunei	100
21. Mobula tarapacana	101
22. Mobula thurstoni	102
Pristidae	103
23. Anoxypristis cuspidata	103
24. Pristis clavata	103
25. Pristis pectinata	104
26. Pristis pristis	105
27. Pristis zijsron	111
Rhincodontidae	112
28. Rhincodon typus	112
Sphyrnidae	115
29. Sphyrna lewini	115
30. Sphyrna mokarran	117
31. Squalus acanthias	119
Rhinidae	123
32. Rhynchobatus australiae	123
Rhinobatidae	124
33. Rhinobatos rhinobatos	124
Squatinae	136

[34. Squatina squatina](#) 136

[35. Squalus acanthias](#) **Error! Bookmark not defined.**

I. ACTINOPTERYGII

ACIPENSERIDAE

ACIPENSER BAERII BAICALENSIS

Species that contain: Acipenser and baerii and baicalensis (including unavailable names) [2] records

baicalensis, Acipenser stenorrhynchus var. Nikolskii [A. M.] 1896:401 [Ezhegodnik, Zoologicheskago Muzeya Imperatorskoi Akademii Nauk v. 1; ref. [14614](#)] Lake Baikal, Siberia, Russia. Syntypes: MLSU 1631 (1), ZIN 10641 (2). •Synonym of *Acipenser baerii* Brandt 1869 -- (Berg 1948:86 [ref. [12882](#)], Kottelat 2006:15 [ref. [28831](#)]). •Synonym of *Acipenser baerii* Brandt 1869, but a valid subspecies *baicalensis* Nikolskii 1896 as described -- (Reshetnikov et al. 1997:726 [ref. [24702](#)], Sokolov 1998:20 [ref. [23571](#)], Sideleva 2001:45 [ref. [26181](#)], Sideleva 2003:8 [ref. [27815](#)], Ocock et al. 2006:26 [ref. [28933](#)], Romanov et al. 2017:820 [ref. [35687](#)]). **Current status:** Synonym of *Acipenser baerii* Brandt 1869. Acipenseridae. Habitat: freshwater, brackish.

stenorrhynchus, Acipenser Nikolskii [A. M.] 1896:400 [Ezhegodnik, Zoologicheskago Muzeya Imperatorskoi Akademii Nauk v. 1; ref. [14614](#)] Large rivers of Siberia flowing to the Arctic. Syntypes: ZIN 10641 (2), 10885 (1), 10888 (1). ZISP 10641 also type of variety *baicalensis*. •Synonym of *Acipenser baerii* Brandt 1869 -- (Berg 1948:86 [ref. [12882](#)], Kottelat 2006:15 [ref. [28831](#)]). •Synonym of *Acipenser baerii* Brandt 1869, but a valid subspecies *stenorrhynchus* Nikolskii 1896 -- (Chereshnev 1996:599 [ref. [24659](#)] as *stenorrhynchus*, Chereshnev et al. 2001:32 [ref. [26736](#)] as *stenorrhynchus*, Reshetnikov 1997:725 [ref. [24702](#)], Sokolov 1998:19 [ref. [23571](#)], Bogutskaya & Naseka 2004:23 [ref. [28183](#)], Ocock et al. 2006:26 [ref. [28933](#)], Parin et al. 2014:40 [ref. [33547](#)], Romanov et al. 2017:820 [ref. [35687](#)]). **Current status:** Synonym of *Acipenser baerii* Brandt 1869. Acipenseridae. Habitat: freshwater, brackish.

ACIPENSER FULVESCENS

Species that contain: *Acipenser* and *fulvescens* (including unavailable names) [31] records

acutirostris, Acipenser ruthenus form Roussow [G.] 1955:79 [American Antiquity v. 21; ref. [26406](#)] Not available; infrasubspecific. •Wrongly treated as a subspecies of [in the synonymy of] *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. [24570](#)]). **Current status:** Synonym of *Acipenser*. Acipenseridae.

anasimos, Acipenser (Huso) Duméril [A. H. A.] 1870:122 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] St. Louis, Missouri, U.S.A. Holotype (unique): MCZ (whereabouts unknown). •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

anthracinus, Acipenser (Huso) Duméril [A. H. A.] 1870:126, Pl. 15 (figs. 4, 4a-b) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Lake Erie, North America. Syntypes: MNHN 0000-9096 (1, dry), 0000-9112 (1, dry). Type catalog: Bertin 1940:251 [ref. [293](#)]. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. [24570](#)] as *athracinus*). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

atelaspis, Acipenser (Huso) Duméril [A. H. A.] 1870:141 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Saskatchewan River, Canada. Holotype (unique): MCZ (whereabouts unknown). •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. [24570](#)])). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

buffalo, Acipenser (Antaceus) Duméril [A. H. A.] 1867:175, Pl. 14 (figs. 1, 1a-b) [Nouvelles Archives du Muséum d'Histoire Naturelle, Paris v. 3; ref. [14072](#)] Lake Erie, Buffalo, New York, U.S.A. Holotype (unique): MCZ (whereabouts unknown). Also appeared in Duméril 1870:231, pl. 19 (fig. 1) [ref. [1147](#)]. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Smith 1986:47 [ref. [22186](#)], Scott & Crossman 1998:89 [ref. [24570](#)])). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

carbonarius, Acipenser Agassiz [L.] 1850:271, Pl. 5 (figs. 1-3) [Lake Superior; ref. [66](#)] Michipicotin, on northeastern shore of Lake Superior, North America. Holotype (unique): whereabouts unknown. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. [24570](#)])). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

cataphractus, Acipenser Gray [J. E.] (ex Rapp) 1835:122 [Proceedings of the Zoological Society of London 1834 (pt 2); ref. [18155](#)] Mississippi River, U.S.A. Possible holotype: BMNH 2004.12.8.3. The diagnosis was quoted from a manuscript by Rapp but the description was by Gray; authorship herein regarded as Gray (ex Rapp). •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

cincinnati, Acipenser (Antaceus) Duméril [A. H. A.] 1867:174, Pl. 14 (figs. 2, 2a-b) [Nouvelles Archives du Muséum d'Histoire Naturelle, Paris v. 3; ref. [14072](#)] Cincinnati, Ohio, U.S.A. Holotype (unique): MCZ (whereabouts unknown). Also appeared in Duméril 1870:229 [ref. [1147](#)]. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

copei, *Acipenser (Huso)* Duméril [A. H. A.] 1870:108 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Upper Missouri River (?), U.S.A. Holotype (unique): MCZ 100696 [tracking no.] (not found). •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

fulvescens, Accipenser Rafinesque [C. S.] 1817:288 [American Monthly Magazine and Critical Review v. 1; ref. [19654](#)] Lake Erie, North America. No types known. Original genus should have been *Acipenser*. The two subspecies names, *acutirostris* and *obtusirostris*, attributed to Roussow 1955:79 [ref. [26406](#)] in Scott & Crossman 1998:89 [ref. [24570](#)] were only mentioned as forms of *Acipenser ruthenus* Linnaeus 1758 (not of *A. fulvescens*) and are not available names. •Valid as *Acipenser fulvescens* Rafinesque 1817 -- (Lee et al. 1980:39 [ref. [22416](#)], Smith 1986:45 [ref. [22186](#)], Robison & Buchanan 1988:78 [ref. [23393](#)], McAllister 1990:40 [ref. [14674](#)], Tomelleri & Eberle 1990:11 [ref. [24089](#)], Page & Burr 1991:26 [ref. [18983](#)], Boschung 1992:28 [ref. [23239](#)], Etner & Starnes 1993:99 [ref. [22809](#)], Artyukhin 1995:7 [ref. [23782](#)], Chereshevnev 1996:599 [ref. [24659](#)], Stauffer et al. 1995:30 [ref. [23376](#)], Cross & Collins 1995:21 [ref. [23394](#)], Mettee et al. 1996:77 [ref. [25836](#)], Bemis et al. 1997:37 [ref. [22871](#)], Birstein & Bemis 1997:159 [ref. [29760](#)], Scott & Crossman 1998:82 [ref. [24570](#)], Fuller et al. 1999:22 [ref. [25838](#)], Lyons et al. 2000:20 [ref. [26594](#)], Ross et al. 2001:71 [ref. [25978](#)], Nelson et al. 2004:58 [ref. [27807](#)], Bailey et al. 2004:61 [ref. [27882](#)], Boschung & Mayden 2004:102 [ref. [27995](#)], Scharpf 2005:6 [ref. [28940](#)], Page & Burr 2011:135 [ref. [31215](#)], Hilton et al. 2011:136 [ref. [31407](#)], Page et al. 2013:58 [ref. [32708](#)], Afonso et al. 2016:13, 77 [ref. [36199](#)]). **Current status:** Valid as *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Distribution: North America: Hudson Bay (Canada) eastward, south to east-central U.S.A. Habitat: freshwater, brackish.

honneymani, Acipenser (Huso) Duméril [A. H. A.] 1870:177 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Nouvelle-Ecosse, Canada. Holotype (unique): MNHN 0000-4843. Type catalog: Bertin 1940:252 [ref. [293](#)]. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

kirtlandii, Acipenser (Huso) Duméril [A. H. A.] 1870:161 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Lake Erie, North America. Holotype (unique): MNHN 0000-3109 (mounted). Type catalog: Bertin 1940:252 [ref. [293](#)]. •Synonym of *Acipenser rubicundus* Lesueur 1818 -- (authors). •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. [24570](#)]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

laevis, Acipenser Agassiz [L.] 1850:267 [Lake Superior; ref. [66](#)] The Pic, Lake Superior, North America. No types known. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. [24570](#)]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

lamarii, Acipenser (Huso) Duméril [A. H. A.] 1870:139 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Upper Mississippi River or Lake Erie, U.S.A. Holotype (unique): MNHN 0000-9115 (dry). Type catalog: Bertin 1940:251 [ref. [293](#)]. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. [24570](#)]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

liopeltis, Acipenser Günther [A.] 1870:341 [Catalogue of the fishes in the British Museum v. 8; ref. [1995](#)] Mississippi, U.S.A. Holotype (unique): BMNH. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

macrostomus, Accipenser Rafinesque [C. S.] 1820:249 [Western Revue and Miscellaneous Magazine: a monthly publ., devoted to literature and science, Lexington, KY v. 3 (no. 4); ref. [5088](#)] Lower parts of the Ohio River, U.S.A. No types known. Described as belonging to subgenus *Sterletus*, but

listed as above. Also in Rafinesque 1820:81 [ref. [3592](#)]. Correct spelling of genus is *Acipenser*. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

maculosus, *Acipenser* Lesueur [C. A.] 1818:393 [Transactions of the American Philosophical Society (New Series) v. 1 (art. 33); ref. [17515](#)] Ohio River, U.S.A. Syntypes: ANSP (2). •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Boschung & Mayden 2004:102 [ref. [27995](#)]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

megalaspis, *Acipenser (Huso)* Duméril [A. H. A.] 1870:135 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Lake Champlain at Burlington, Vermont, U.S.A. Holotype (unique) (?): MCZ 8953. This name was misspelled as *megalepis* in earlier versions of the Catalog of Fishes. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Smith 1986:47 [ref. [22186](#)], Scott & Crossman 1998:89 [ref. [24570](#)]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

nerinianus, *Acipenser (Huso)* Duméril [A. H. A.] 1870:162 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Homer, Michigan, U.S.A. Holotype (unique): MCZ 24032. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

obtusirostris, *Acipenser ruthenus* form Roussow [G.] 1955:79 [American Antiquity v. 21; ref. [26406](#)] Not available; infrasubspecific. •Wrongly treated as a subspecies of [in the synonymy of] *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. [24570](#)]). Acipenseridae.

ohiensis, *Accipenser* Rafinesque [C. S.] 1820:248 [Western Revue and Miscellaneous Magazine: a monthly publ., devoted to literature and science, Lexington, KY v. 3 (no. 4); ref. [5088](#)] Ohio River, U.S.A. Described as belonging to subgenus *Sterletus*, but listed as above. Also in Rafinesque 1820:81 [ref. [3592](#)]. Correct spelling of genus is *Acipenser*. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

paranasimos, *Acipenser (Huso)* Duméril [A. H. A.] 1870:124 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Huntsville, Alabama, U.S.A. Holotype (unique): MCZ 8948. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Boschung & Mayden 2004:102 [ref. [27995](#)]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

platyrhinus, *Acipenser (Huso)* Duméril [A. H. A.] 1870:154 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Upper Mississippi River or Lake Erie, U.S.A. Holotype (unique): MNHN 0000-5007 (mounted). Type catalog: Bertin 1940:251 [ref. [293](#)]. •Synonym of *Acipenser rubicundus* Lesueur 1818 -- (authors). •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (authors). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

rafinesquii, *Acipenser (Huso)* Duméril [A. H. A.] 1870:143 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Ohio River, U.S.A. Holotype (unique): MCZ 8950. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

rauchii, *Acipenser (Huso)* Duméril [A. H. A.] 1870:118 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Osage River, Missouri, U.S.A. Holotype (unique): MCZ 8946. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

rhynchaeus*, *Acipenser Agassiz [L.] 1850:276 [Lake Superior; ref. [66](#)] Sault Sainte Marie, Lake Superior, North America. Syntypes: whereabouts unknown. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. [24570](#)]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

richardsonii*, *Acipenser (Huso) Duméril [A. H. A.] 1870:120 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Upper Mississippi River, U.S.A. Holotype (unique): MNHN 0000-9113 (dry). Type catalog: Bertin 1940:250 [ref. [293](#)]. •Synonym of *Acipenser rubicundus* Lesueur 1818 -- (authors). •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (authors). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

rosarium*, *Acipenser (Huso) Duméril [A. H. A.] 1870:152, Pl. 17 (figs. 2, 2a) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Upper Mississippi River or Lake Erie, U.S.A. Holotype (unique): MNHN 0000-5009 (dry). Type catalog: Bertin 1940:251 [ref. [293](#)]. •Synonym of *Acipenser rubicundus* Lesueur 1818 -- (authors). •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. [24570](#)]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

rubicundus*, *Acipenser Lesueur [C. A.] 1818:388, Pl. 12 [Transactions of the American Philosophical Society (New Series) v. 1 (art. 33); ref. [17515](#)] Lakes Ontario, Erie, Huron and Michigan, North America. No types known. Redescribed and illustrated by Lesueur 1827:9, Pl. 5 [ref. [17524](#)] with genus as *Accipenser*. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Smith 1986:47 [ref. [22186](#)], Scott & Crossman 1998:89 [ref. [24570](#)], Boschung & Mayden 2004:102 [ref. [27995](#)]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

rupertianus*, *Acipenser Richardson [J.] 1837:311, Pl. 97 (fig. 1) [Part 3; ref. [3731](#)] Albany River, Prince Rupert's Land, Canada. Syntypes: (2) whereabouts unknown •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. [24570](#)]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

serotimus*, *Accipenser Rafinesque [C. S.] 1820:248 [Western Revue and Miscellaneous Magazine: a monthly publ., devoted to literature and science, Lexington, KY v. 3 (no. 4); ref. [5088](#)] Ohio and Kentucky rivers, U.S.A. Described as belonging to subgenus *Sterletus*, but listed as above. Also in Rafinesque 1820:80 [ref. [3592](#)]. Correct spelling of genus is *Acipenser*. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

ACIPENSER GULDENSTAEDTII

Species that contain: *Acipenser* and *gueldenstaedtii* (including unavailable names) [15] records

aculeatus*, *Acipenser Lovetsky [A.] (ex Fischer) 1834:262, Pl. 19 (fig. 2) [Nouveaux mémoires de la Société impériale des naturalistes de Moscou v. 3; ref. [18085](#)] Dnjepr River in Jekaterinoslaw/Yekaterinoslav Province, Russia. [Original as "Fluvius Borysthenes. Sed uti videtur, locis restrictis Gubern. Catherinoslawl."] •Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Kottelat 1997:30 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833. Acipenseridae. Habitat: freshwater, brackish, marine.

acutirostris*, *Acipenser gueldenstaedtii var. Antipa [G.] 1909:262, Pl. 20 (fig. 107) [Publicatiuniule fondului Vasilie Adamachi, Academia Româna [Fauna ichtiologica a romaniei, de dr. Gr. Antipa]. v. 3 (no. 16); ref. [15922](#)] Danube River, Romania. Appeared as *Acipenser güldenstaedtii* var. *acutirostris*. Treated by Kottelat 1997 as infrasubspecific. Not available. Junior homonym of *Acipenser acutirostris* Ayres 1854. •In the synonymy of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Kottelat 1997:30 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833. Acipenseridae.

brevirostris*, *Acipenser Heckel [J. J.] in Fitzinger & Heckel 1836:298 [Annalen des Wiener Museums der Naturgeschichte v. 1 (no. 12); ref. [2077](#)] Name only, not available. •In the synonymy of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Kottelat 1997:30 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833. Acipenseridae.

colchica*, *Acipenser gueldenstadtii var. Marti [V. J.] 1940:869 [Zoologicheskii Zhurnal v. 19 (no. 6); ref. [17607](#)] Southeastern part of Black Sea near mouth of Rioni and Inguri rivers, Georgia, Eurasia. Syntypes: (many). •Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833, but a valid subspecies -- (Berg 1948:84 [ref. [12882](#)], Svetovidov 1973:82 [ref. [7169](#)], Lelek 1987:25 [ref. [22962](#)], Ninua & Japoshvili 2008:164 [ref. [31251](#)]). •Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Kottelat 1997:30 [ref. [22952](#)], see also Sokolov 1998:21 [ref. [23571](#)]). •Synonym of *Acipenser persicus* Borodin 1897, but a valid subspecies -- (Reshetnikov et al. 1997:725 [ref. [24702](#)]). •Synonym of *Acipenser persicus* Borodin 1897 -- (Bogutskaya & Naseka 2004:24 [ref. [28183](#)]). •Valid as *Acipenser colchicus* Marti 1940 -- (Kottelat & Freyhof 2007:50 [ref. [29996](#)], Çiçek et al. 2015:142 [ref. [35151](#)]). **Current status:** Valid as *Acipenser colchicus* Marti 1940. Acipenseridae. Distribution: Southeastern Black Sea basin and lower Danube River. Habitat: freshwater.

danubica*, *Acipenser gueldenstaedti colchicus natio Movchan [Yu. V.] 1967:31 [Vestnik Zoologii v. 6; ref. [23081](#)] Not available, infrasubspecific; from Danube R. •In the synonymy of *Acipenser gueldenstaedtii* (Brandt & Ratzeburg 1833) -- (Kottelat 1997:30 [ref. [22952](#)], Bogutskaya & Naseka 2004:23 [ref. [28183](#)]). **Current status:** Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833. Acipenseridae.

golis*, *Acipenser gueldenstaedtii var. Antipa [G.] 1909:261 [Publicatiuniule fondului Vasilie Adamachi, Academia Româna [Fauna ichtiologica a romaniei, de dr. Gr. Antipa]. v. 3 (no. 16); ref. [15922](#)] Original not seen; from sea south of Portita, Rumania. Treated by Kottelat 1997 as infrasubspecific. •In the synonymy of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Kottelat 1997:30 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833. Acipenseridae.

gueldenstaedtii*, *Acipenser Brandt [J. F.] & Ratzeburg [J. T. C.] 1833:13, Pl. 3 (figs. 2, 2A-E) [Medizinische Zoologie v. 2; ref. [619](#)] Caspian Sea and tributaries; Black Sea. No types known. Originally as *güldenstädtii*. •Valid as *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Berg

1948:78 [ref. [12882](#)], Svetovidov 1973:82 [ref. [7169](#)], Svetovidov in Whitehead et al. 1984:221 [ref. [13675](#)] as *gueldenstaedti*, Lelek 1987:46 [ref. [22962](#)], Coad 1995:6 [ref. [23608](#)] as *gueldenstaedti*, Artyukhin 1995:7 [ref. [23782](#)], Sokolov & Tsepkin 1996:18 [ref. [24640](#)] as *gueldenstaedti*, Bemis et al. 1997:37 [ref. [22871](#)], Kottelat 1997:30 [ref. [22952](#)], Reshetnikov et al. 1997:725 [ref. [24702](#)], Birstein & Bemis 1997:158 [ref. [29760](#)] with Brandt as author, Sokolov 1998:20 [ref. [23571](#)], Coad 1998:102 [ref. [23869](#)], Pourkazemi et al. 2000:1 [ref. [25536](#)], Bogutskaya et al. 2001:42 [ref. [26178](#)], Bilecenoğlu et al. 2002:28 [ref. [26753](#)], Hanel 2003:46 [ref. [27894](#)], Bogutskaya & Naseka 2004:23 [ref. [28183](#)], Vassilev & Pehlivanov 2005:162 [ref. [28369](#)] as *gueldenstaedti* with Brandt as author, Kottelat & Freyhof 2007:51 [ref. [29996](#)], Vasil'eva 2007:37 [ref. [30517](#)], Ninua & Japoshvili 2008:164 [ref. [31251](#)], Esmaili et al. 2010:365 [ref. [33391](#)], Ruban et al. 2011:470 [ref. [31229](#)], Hilton et al. 2011:136 [ref. [31407](#)], Parin et al. 2014:41 [ref. [33547](#)], Koerber & Litz 2014:2 [ref. [34967](#)], Jouladeh-Roudbar et al. 2015:858 [ref. [34062](#)], Barbieri et al. 2015:35 [ref. [35029](#)], Çiçek et al. 2015:142 [ref. [35151](#)], Koerber & Litz 2016:2 [ref. [35098](#)], Nión et al. 2016:24 [ref. [35565](#)], Esmaili et al. 2017:25 [ref. [35254](#)], Esmaili et al. 2018:6 [ref. [36089](#)], Koerber et al. 2019:2 [ref. [36736](#)]). **Current status:** Valid as *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833. Acipenseridae. Distribution: Eastern Atlantic, Europe and Middle East: Basins of Black, Azov and Caspian seas and Sea of Marmara and adjacent watersheds; introduced elsewhere. Habitat: freshwater, brackish, marine.

kurensis, *Acipenser gueldenstaedti persicus* natio Belyaev [W. N.] 1932:68 [ref. [23609](#)] Not available, infrasubspecific; from Kura River. •In the synonymy of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Coad 1995:6 [ref. [23608](#)]). **Current status:** Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833. Acipenseridae.

longirostris, *Acipenser gueldenstaedtii* var. Antipa [G.] 1909:262 [Publicatiuniule fondului Vasilie Adamachi, Academia Româna [Fauna ichtiologica a romaniei, de dr. Gr. Antipa]. v. 3 (no. 16); ref. [15922](#)] Danube River; Black Sea. Original not seen. Treated by Kottelat as infrasubspecific. •In the synonymy of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Kottelat 1997:30 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833. Acipenseridae.

macrophthalmus, *Acipenser* Heckel [J. J.] in Fitzinger & Heckel 1836:298 [Annalen des Wiener Museums der Naturgeschichte v. 1 (no. 12); ref. [2077](#)] Not available, name only; also later as name in synonymy. •In the synonymy of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Kottelat 1997:30 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833. Acipenseridae.

medius, *Acipenser* Heckel [J. J.] in Fitzinger & Heckel 1836:293 [Annalen des Wiener Museums der Naturgeschichte v. 1 (no. 12); ref. [2077](#)] Name in the synonymy of *Acipenser schypa*, not available; also appeared in later literature. •Questionably in the synonymy of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Kottelat 1997:30 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833. Acipenseridae.

pygmaeus, *Acipenser* Reisinger [J.] 1830:93 [Specimen ichthyologiae sistens pisces aquarium dulcium Hungariae; ref. [18620](#)] Objectively invalid; preoccupied by *Acipenser pygmaeus* Pallas 1814. •Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Kottelat 1997:30 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833. Acipenseridae. Habitat: freshwater, brackish, marine.

scoabar, *Acipenser gueldenstaedtii* var. Antipa [G.] 1909:260 [Publicatiuniule fondului Vasilie Adamachi, Academia Româna [Fauna ichtiologica a romaniei, de dr. Gr. Antipa]. v. 3 (no. 16); ref. [15922](#)] Original not seen. Original genus misspelled *Acipense*. Treated by Kottelat 1997 as infrasubspecific and not available; from Danube River. •In the synonymy of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Kottelat 1997:30 [ref. [22952](#)] as *scoabar*). **Current status:** Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833. Acipenseridae.

tanaica, *Acipenser gueldenstadti* var. Marti [V. J.] 1940:863 [Zoologicheskii Zhurnal v. 19 (no. 6); ref. [17607](#)] Taganrog Bay, Sea of Azov, Russia. Syntypes: (many). Bogutskaya & Naseka 2004:23

[ref. [28183](#)] date *tanaica* to Movchan 1927 as a natio (needs research). •Synonym of *Acipenser gueldenstaedti* Brandt & Ratzeburg 1833, subspecies *cochicus* Marti 1940 -- (Berg 1948:84 [ref. [12882](#)], Svetovidov 1973:83 [ref. [7169](#)]). •Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Kottelat 1997:30 [ref. [22952](#)], Bogutskaya & Naseka 2004:23 [ref. [28183](#)]). **Current status:** Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833. Acipenseridae. Habitat: freshwater, brackish, marine.

tuecka, *Acipenser* Heckel [J. J.] in Fitzinger & Heckel 1836:293 [Annalen des Wiener Museums der Naturgeschichte v. 1 (no. 12); ref. [2077](#)] Originally as *tücka*. Name in the synonymy of *Acipenser schypa*, not available. Also occurred in later literature as name only. •Questionably in the synonymy of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Kottelat 1997:30 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833. Acipenseridae.

ACIPENSER MEDIROSTRIS

Species that contain: *Acipenser* and *medirostris* (including unavailable names) [6] records

acutirostris, *Acipenser* Ayres [W. O.] 1854:2 [The Pacific [newspaper] v. 3 and 4 (thru no. 6); ref. [157](#)] San Francisco, California, U.S.A. No types known. Appeared first as above on 1 Dec.; then in Ayres 1854:15 [ref. [18923](#)]. •Valid as *Acipenser acutirostris* Ayres 1854 -- (Okada 1961:282 [ref. [6363](#)]). •Synonym of *Acipenser medirostris* Ayres 1854 -- (Mecklenburg et al. 2002:114 [ref. [25968](#)]). **Current status:** Synonym of *Acipenser medirostris* Ayres 1854. Acipenseridae. Habitat: freshwater, brackish, marine.

agassizii, *Acipenser (Antaceus)* Duméril [A. H. A.] 1867:181, Pl. 11 (figs. 2, 2a-b) [Nouvelles Archives du Muséum d'Histoire Naturelle, Paris v. 3; ref. [14072](#)] San Francisco, California, U.S.A. Holotype (unique): MCZ (whereabouts unknown). Also appeared in Duméril 1870:237, Pl. 18 (figs. 3, 3a-b) [ref. [1147](#)]. •Synonym of *Acipenser acutirostris* Ayres 1854 -- (Okada 1961:282 [ref. [6363](#)]). •Synonym of *Acipenser medirostris* Ayres 1854 -- (authors). **Current status:** Synonym of *Acipenser medirostris* Ayres 1854. Acipenseridae. Habitat: freshwater, brackish, marine.

alexandri, *Acipenser (Antaceus)* Duméril [A. H. A.] 1867:183, Pl. 15 (figs. 1, 1a-b) [Nouvelles Archives du Muséum d'Histoire Naturelle, Paris v. 3; ref. [14072](#)] San Francisco, California, U.S.A. Holotype (unique): MCZ (whereabouts unknown). Also appeared in Duméril 1870:239, Pl. 15 (figs. 1, 1a-b) [ref. [1147](#)]. •Synonym of *Acipenser acutirostris* Ayres 1854 -- (Okada 1961:282 [ref. [6363](#)]). •Synonym of *Acipenser medirostris* Ayres 1854. **Current status:** Synonym of *Acipenser medirostris* Ayres 1854. Acipenseridae. Habitat: freshwater, brackish, marine.

medirostris, *Acipenser* Ayres [W. O.] 1854:2 [The Pacific [newspaper] v. 3 and 4 (thru no. 6); ref. [157](#)] Near San Francisco, California, U.S.A. No types known. Appeared first as above on 1 Dec.; then in Ayres 1854:16 [ref. [18923](#)]. •Synonym of *Acipenser acutirostris* Ayres 1854 -- (Okada 1961:282 [ref. [6363](#)]). •Valid as *Acipenser medirostris* Ayres 1854 -- (Berg 1948:95 [ref. [12882](#)], Lee et al. 1980:40 [ref. [22416](#)], Eschmeyer & Herald 1983:61 [ref. [9277](#)], Nakaya in Masuda et al. 1984:18 [ref. [6441](#)], Kawanabe & Mizuno 1989:42 [ref. [25598](#)], McAllister 1990:42 [ref. [14674](#)], Page & Burr 1991:26 [ref. [18983](#)], Artyukhin 1995:7 [ref. [23782](#)], Bemis et al. 1997:37 [ref. [22871](#)], Kim 1997:142 [ref. [24032](#)], Nikiforov et al. 1997:330 [ref. [24694](#)], Reshetnikov et al. 1997:725 [ref. [24702](#)], Birstein & Bemis 1997:159 [ref. [29760](#)], Sokolov 1998:20 [ref. [23571](#)], Scott & Crossman 1998:90 [ref. [24570](#)], Sokolovskaya et al. 1998:7 [ref. [24670](#)], Musick et al. 2000:10 [ref. [24959](#)], Nakabo 2000:187 [ref. [25086](#)], Zemnukhov et al. 2001:420 [ref. [25412](#)], Sheiko & Fedorov 2000:16 [ref. [25650](#)], Pietsch et al. 2001:138 [ref. [25688](#)], Bogutskaya et al. 2001:42 [ref. [26178](#)], Kim & Park

2002:40 [ref. [25913](#)], Mecklenburg et al. 2002:114 [ref. [25968](#)], Nakabo 2002:187 [ref. [26001](#)], Youn 2002:136, 487 [ref. [26218](#)], Moyle 2002:109 [ref. [26449](#)], Wydoski & Whitney 2003:39 [ref. [27816](#)], Nelson et al. 2004:58 [ref. [27807](#)], Bogutskaya & Naseka 2004:23 [ref. [28183](#)], Scharpf 2005:7 [ref. [28940](#)], McPhail 2007:24 [ref. [31199](#)], Page & Burr 2011:135 [ref. [31215](#)], Hilton et al. 2011:136 [ref. [31407](#)], Page et al. 2013:58 [ref. [32708](#)], Pietsch & Orr 2015:18 [ref. [34694](#)], Kells et al. 2016:88 [ref. [35888](#)]). **Current status:** Valid as *Acipenser medirostris* Ayres 1854. Acipenseridae. Distribution: North Pacific: Alaska and Bering Sea to Baja California. Habitat: freshwater, brackish, marine.

mikadoi, *Acipenser* Hilgendorf [F. M.] 1892:98 [Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin 1892; ref. [14511](#)] Hokaido, Japan. No types known. •Synonym of *Acipenser acutirostris* Ayres 1854 -- (Okada 1961:282 [ref. [6363](#)]). •Sometimes considered a subspecies of *Acipenser medirostris* Ayres 1854 -- (Reshetnikov et al. 1997:725 [ref. [24702](#)]). •Synonym of *Acipenser medirostris* Ayres 1854 -- (Kim 1997:539 [ref. [24032](#)], Bogutskaya et al. 2001:42 [ref. [26178](#)], Bogutskaya & Naseka 2004:24 [ref. [28183](#)]). •Valid as *Acipenser mikadoi* Hilgendorf 1892 - (Birstein & Bemis 1997:159 [ref. [29760](#)], Mecklenburg et al. 2002:114 [ref. [25968](#)], Bogutskaya et al. 2008:313 [ref. [30085](#)], Hilton et al. 2011:136 [ref. [31407](#)], Parin et al. 2014:42 [ref. [33547](#)], Pietsch & Orr 2015:18 [ref. [34694](#)], Dylidin & Orlov 2016:545 [ref. [34656](#)]). **Current status:** Valid as *Acipenser mikadoi* Hilgendorf 1892. Acipenseridae. Distribution: North Pacific Ocean, southern Okhotsk Sea and Japan to Korea. Habitat: freshwater, brackish, marine.

oligopeltis, *Acipenser (Antaceus)* Duméril [A. H. A.] 1867:184, Pl. 15 (figs. 2, 2a-b) [Nouvelles Archives du Muséum d'Histoire Naturelle, Paris v. 3; ref. [14072](#)] San Francisco, California, U.S.A. Holotype (unique): MCZ (whereabouts unknown). Also appeared in Duméril 1870:241 [ref. [1147](#)]. •Synonym of *Acipenser acutirostris* Ayres 1854 -- (Okada 1961:282 [ref. [6363](#)]). •Synonym of *Acipenser medirostris* Ayres 1854. **Current status:** Synonym of *Acipenser medirostris* Ayres 1854. Acipenseridae. Habitat: freshwater, brackish, marine.

ACIPENSER MIKADOI

Species that contain: *Acipenser* and *mikadoi* (including unavailable names) [**1**] records

mikadoi, *Acipenser* Hilgendorf [F. M.] 1892:98 [Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin 1892; ref. [14511](#)] Hokaido, Japan. No types known. •Synonym of *Acipenser acutirostris* Ayres 1854 -- (Okada 1961:282 [ref. [6363](#)]). •Sometimes considered a subspecies of *Acipenser medirostris* Ayres 1854 -- (Reshetnikov et al. 1997:725 [ref. [24702](#)]). •Synonym of *Acipenser medirostris* Ayres 1854 -- (Kim 1997:539 [ref. [24032](#)], Bogutskaya et al. 2001:42 [ref. [26178](#)], Bogutskaya & Naseka 2004:24 [ref. [28183](#)]). •Valid as *Acipenser mikadoi* Hilgendorf 1892 - (Birstein & Bemis 1997:159 [ref. [29760](#)], Mecklenburg et al. 2002:114 [ref. [25968](#)], Bogutskaya et al. 2008:313 [ref. [30085](#)], Hilton et al. 2011:136 [ref. [31407](#)], Parin et al. 2014:42 [ref. [33547](#)], Pietsch & Orr 2015:18 [ref. [34694](#)], Dylidin & Orlov 2016:545 [ref. [34656](#)]). **Current status:** Valid as *Acipenser mikadoi* Hilgendorf 1892. Acipenseridae. Distribution: North Pacific Ocean, southern Okhotsk Sea and Japan to Korea. Habitat: freshwater, brackish, marine.

ACIPENSER NACCARI

Species that contain: *Acipenser* and *naccarii* (including unavailable names) [**9**] records

heckelii, *Acipenser* Fitzinger [L. J. F. J.] in Fitzinger & Heckel 1836:303, Pls. 26 (fig. 4), 29 (figs. 11-12) [Annalen des Wiener Museums der Naturgeschichte v. 1 (no. 12); ref. [2077](#)] Adriatic Sea (Mediterranean Sea); rivers Po, Etsch [Adige] and Brenta, Italy. Syntypes: NMW 76784 (1), 92877 (1, dry). Name mentioned first in Brandt & Ratzeburg 1833:29 [ref. [619](#)], not available. Name declared a nomen oblitum in Kottelat & Freyhof 2009:76 [ref. [30320](#)] •Synonym of *Acipenser naccarii* Bonaparte 1836 -- (Kottelat 1997:30 [ref. [22952](#)], Kottelat & Freyhof 2009:77 [ref. [30320](#)]). **Current status:** Synonym of *Acipenser naccarii* Bonaparte 1836. Acipenseridae. Habitat: freshwater, brackish, marine.

ladanus, *Acipenser* Ninni [A. P.] (ex Chiareghini) 1872:33 [Rivista critica delle specie dei pesci adriatici descritti nell'opera manoscritta dell'Ab. Stefano Chiareghini di Chioggia.; ref. [17995](#)] Appeared first in Nardo 1847:col. 111 [ref. [17944](#)] as name in synonymy and not available. Probably made available by Ninni 1872:33 [ref. [17995](#)] where Chiareghini manuscript is quoted and name is treated as valid by Ninni. Authorship is probably Nardo 1847, but not translated by us. •Synonym of *Acipenser naccarii* Bonaparte 1836 -- (Kottelat 1997:31 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser naccarii* Bonaparte 1836. Acipenseridae. Habitat: freshwater, brackish, marine.

lutescens, *Accipenser* Rafinesque [C. S.] 1820:246 [Western Revue and Miscellaneous Magazine: a monthly publ., devoted to literature and science, Lexington, KY v. 3 (no. 4); ref. [5088](#)] Old continent. No types known. Also in Rafinesque 1820:79 [ref. [3592](#)]. Name only, not available. Correct spelling of genus is *Acipenser*. •In the synonymy of *Acipenser naccarii* Bonaparte 1836 -- (Kottelat 1997:30 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser naccarii* Bonaparte 1836. Acipenseridae.

naccarii, *Acipenser* Bonaparte [C. L.] 1836:fasc. 16-17, punt.87, Pl. 129 (fig. 2) [Iconografia della fauna italica; ref. [4892](#)] Rivers Brenta, Adige, Piave, Livenza, Bacchiglione, Tagliamento; Florence, Italy. Syntypes: ANSP 624 (1), 625 (1) Bonaparte no. 72. Type catalog: Böhlke 1984:17 [ref. [13621](#)]. Name declared a nomen protectum by Kottelat & Freyhof 2009:76 [ref. [30320](#)] to establish precedence over *Acipenser heckelii* Bonaparte 1836. •Valid as *Acipenser naccarii* Bonaparte 1836 -- (Svetovidov 1973:83 [ref. [7169](#)], Svetovidov in Whitehead et al. 1984:222 [ref. [13675](#)], Lelek 1987:25 [ref. [22962](#)], Artyukhin 1995:7 [ref. [23782](#)], Mrakovcic et al. 1995:183 [ref. [23079](#)], Bemis et al. 1997:37 [ref. [22871](#)], Kottelat 1997:30 [ref. [22952](#)], Bogutskaya & Naseka 2004:24 [ref. [28183](#)], Kottelat & Freyhof 2007:52 [ref. [29996](#)], Kottelat & Freyhof 2009:76 [ref. [30320](#)], Lipej & Dulčić 2010:16 [ref. [36649](#)], Hilton et al. 2011:136 [ref. [31407](#)], Čaleta et al. 2015:45 [ref. [34877](#)], Barbieri et al. 2015:35 [ref. [35029](#)], Nión et al. 2016:24 [ref. [35565](#)] as *naccarii* and date 1838). **Current status:** Valid as *Acipenser naccarii* Bonaparte 1836. Acipenseridae. Distribution: Mediterranean Sea: Adriatic Sea and its tributaries, Italy, Slovenia, Greece (extinct), Croatia, Montenegro and Albania. Habitat: freshwater, brackish, marine.

nardoii, *Acipenser* Heckel [J. J.] 1851:557, Pl. 24 (fig. 2) [Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Classe v. 6 (pt 2); ref. [18261](#)] Venice, Italy, Adriatic Sea (Mediterranean Sea). Holotype: ?NMW 63076. Non-types: ?NMW 63079 (1). •Synonym of *Acipenser naccarii* Bonaparte 1836 -- (Svetovidov 1973:83 [ref. [7169](#)], Kottelat 1997:31 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser naccarii* Bonaparte 1836. Acipenseridae. Habitat: freshwater, brackish, marine.

nasus, *Acipenser* Heckel [J. J.] 1847:80 [Diario del Nono Congresso degli Scienziati Italiani convocati in Venezia 1847; ref. [26437](#)] Venice, Italy, Adriatic Sea (Mediterranean Sea). Holotype (unique): NMW 63093. Also appeared in Heckel 1851:552 [ref. [18261](#)], Pl. 23. •Synonym of *Acipenser naccarii* Bonaparte 1836 -- (Svetovidov 1973:83 [ref. [7169](#)], Kottelat 1997:31 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser naccarii* Bonaparte 1836. Acipenseridae. Habitat: freshwater, brackish, marine.

platycephalus, *Acipenser* Heckel [J. J.] in Fitzinger & Heckel 1836:304 [Annalen des Wiener Museums der Naturgeschichte v. 1 (no. 12); ref. [2077](#)] Name in the synonymy of *Acipenser heckelii*

Fitzinger 1836, not available; also appeared in other literature as name only or name in synonymy. •In the synonymy of *Acipenser naccarii* Bonaparte 1836 -- (Kottelat 1997:30 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser naccarii* Bonaparte 1836. Acipenseridae.

sturionaster, Acipenser Brusina [S.] 1902:52 [Rad Jugoslavenske Akademije znanosti i umjetnosti. Zagrebu. No. 149; ref. [17292](#)] Original not seen. Name in synonymy, not available. •In the synonymy of *Acipenser naccarii* Bonaparte 1836 -- (Kottelat 1997:31 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser naccarii* Bonaparte 1836. Acipenseridae.

sturionellus, Acipenser Nardo [G. D.] 1860:71 [Prospetti sistematici degli animali delle provincie Venete et del mare Adriatico; ref. [18470](#)] Name only, in synonymy; not available. •In the synonymy of *Acipenser naccarii* Bonaparte 1836 -- (Kottelat 1997:31 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser naccarii* Bonaparte 1836. Acipenseridae.

ACIPENSER NUDIVENTRIS

Species that contain: *Acipenser* and *nudiventris* (including unavailable names) [8] records

brandtii*, *Acipenser Günther [A.] 1870:336, 517 [Catalogue of the fishes in the British Museum v. 8; ref. [1995](#)] Black Sea; Caspian Sea. No types known. Based on *Acipenser schypa* (in part) of Brandt & Ratzeburg. •Based on a hybrid of *Huso huso* x *Acipenser nudiventris* -- (Berg 1948:65 [ref. [12882](#)], Kottelat 1997:183 [ref. [22952](#)]). Acipenseridae.

derjavini*, *Acipenser nudiventris Borzenko [M. P.] 1950 [Trudy Kaspiiskogo basseinovogo filiala VNIRO Astrachan (Astrakhan) No. 11; ref. [22959](#)] Kura River, Azerbaijan, Caspian Sea Region. Syntypes: (127) KVNIRO uncat. •Synonym of *Acipenser nudiventris* Lovetsky 1828 -- (Coad 1995:7 [ref. [23608](#)], Kottelat 1997:31 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser nudiventris* Lovetsky 1828. Acipenseridae. Habitat: freshwater, brackish, marine.

glaber*, *Acipenser Heckel [J. J.] (ex Fitzinger) in Fitzinger & Heckel 1836:270, Pls. 25 (fig. 3), 28 (figs. 5-6) [Annalen des Wiener Museums der Naturgeschichte v. 1 (no. 12); ref. [2077](#)] Danube River, Austria. Syntypes: ?NMW 91292 (1, dry). Appeared as name only with author as Heckel [ex Marsilius] in Fitzinger 1832:340 [ref. [5019](#)]; see Kottelat 1997:31 [ref. [22952](#)]. •Synonym of *Acipenser nudiventris* Lovetsky 1828 -- (Berg 1948:66 [ref. [12882](#)], Svetovidov 1973:83 [ref. [7169](#)], Kottelat 1997:31 [ref. [22952](#)], Sokolov 1998:21 [ref. [23571](#)], Bilecenoğlu et al. 2002:29 [ref. [26753](#)]). **Current status:** Synonym of *Acipenser nudiventris* Lovetsky 1828. Acipenseridae. Habitat: freshwater, brackish, marine.

nudiventris*, *Acipenser Lovetsky [A.] 1828:78, Pl. 6 (fig. 2) [Novyi Magazin, Estestvennoi Istorii, Fiziki, Khimii i Svedenii i Svedenii Ekologicheskikh, Izdannyi 1. Dviubskim Part 2; ref. [19627](#)] Aral Sea, Russia. No types known. Apparently also appeared in Lovetsky 1830 [ref. [18454](#)]. Original description reproduced in Berg 1905:2, footnote [ref. [15338](#)]. •Valid as *Acipenser nudiventris* Lovetsky 1828 -- (Berg 1948:66 [ref. [12882](#)], Svetovidov 1973:83 [ref. [7169](#)], Coad 1981:8 [ref. [22348](#)], Svetovidov in Whitehead et al. 1984:222 [ref. [13675](#)], Lelek 1987:48 [ref. [22962](#)], Coad 1995:7 [ref. [23608](#)], Artyukhin 1995:7 [ref. [23782](#)], Zhu 1995:6 [ref. [25213](#)], Bemis et al. 1997:37 [ref. [22871](#)], Kottelat 1997:31 [ref. [22952](#)], Reshetnikov et al. 1997:725 [ref. [24702](#)], Birstein & Bemis 1997:158 [ref. [29760](#)], Sokolov 1998:21 [ref. [23571](#)], Coad 1998:102 [ref. [23869](#)], Pourkazemi et al. 2000:1 [ref. [25536](#)], Bogutskaya et al. 2001:42 [ref. [26178](#)], Zhang 2001:37 [ref. [26586](#)] dated 1928 [sic], Bilecenoğlu et al. 2002:29 [ref. [26753](#)], Hanel 2003:46 [ref. [27894](#)], Bogutskaya & Naseka 2004:24 [ref. [28183](#)], Vassilev & Pehlivanov 2005:162 [ref. [28369](#)] with date as 1928, Fricke et al. 2007:21 [ref. [29533](#)], Kottelat & Freyhof 2007:53 [ref. [29996](#)], Vasil'eva 2007:38 [ref. [30517](#)], Ninua & Japoshvili 2008:164 [ref. [31251](#)], Esmaili et al. 2010:365 [ref. [33391](#)], Hilton et al. 2011:136 [ref. [31407](#)], Parin et al. 2014:43 [ref. [33547](#)], Çiçek et al. 2015:142 [ref. [35151](#)], Zhang et al. 2016:45 [ref. [34477](#)], Esmaili et al. 2017:25 [ref. [35254](#)], Esmaili et al. 2018:6 [ref. [36089](#)]). **Current status:** Valid as *Acipenser nudiventris* Lovetsky 1828. Acipenseridae. Distribution: Eastern Atlantic, Europe and Middle East: Basins of Black, Azov, Caspian and Aral seas and Sea of Marmara. Habitat: freshwater, brackish, marine.

schypa*, *Acipenser Gldenstdt [J. A. von] 1772:533 [Novi Commentarii Academiae Scientiarum Imperialis Petropolitanae v. 16 (for 1771); ref. [5066](#)] Not available, non-binominal, see Kottelat 1997:31 [ref. [22952](#)]. Name made available by Bonnaterre 1788:16 [ref. [4940](#)]. Also seen as *Acipenser schipa* Gldenstdt 1772. •In the synonymy of *Acipenser nudiventris* Lovetsky 1828 -- (Kottelat 1997:31 [ref. [22952](#)], Parin et al. 2014:43 [ref. [33547](#)]). **Current status:** Synonym of *Acipenser nudiventris* Lovetsky 1828. Acipenseridae.

schypa, *Acipenser* Bonnaterre [J. P.] (ex Gldenstdt) 1788:16 [Tableau encyclopdique et mthodique des trois rgnes de la nature... Ichthyologie; ref. [4940](#)] 'La mer du Nord' (erroneous, is probably Caspian Sea). Neotype: NRM 8946. Neotype designated (NRM 8946) by Kottelat 1997:34 [ref. [22952](#)] is invalid, as the neotype is a specimen of *Huso huso* (Linnaeus 1758), but Bonnaterre's *Acipenser schypa* was exclusively based on *Acipenser schypa* Gldenstdt 1772:516 [ref. [5066](#)], which is in the synonymy of *Acipenser nudiventris* Lovetsky 1828 according to Kottelat 1997:31 [ref. [22952](#)]; therefore ICZN Art. 75.3.5 is not met. Name not considered as valid after 1899; therefore reversal of priority in favor of *Acipenser nudiventris* Lovetsky 1828 is followed (Art. 23.9). •Synonym of *Huso huso* (Linnaeus 1758) -- (Kottelat 1997:34 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser nudiventris* Lovetsky 1828. Acipenseridae. Habitat: freshwater, brackish, marine.

schypa, *Acipenser* Eichwald [C. E. von] 1831:66 [Zoologia specialis quam expositis animalibus tum vivis Pars posterior [3]; ref. [5562](#)] Caspian Sea, unde Volga adscendit et Cyrum. Credited to "L." [Linnaeus] but this species not described by Linnaeus; if regarded as available then it is subjectively invalid -- preoccupied by *Acipenser schypa* Gldenstdt 1772. •Synonym of *Acipenser nudiventris* Lovetsky 1828 -- (Svetovidov 1973:83 [ref. [7169](#)], Coad 1995:7 [ref. [23608](#)] as *shypa*). **Current status:** Synonym of *Acipenser nudiventris* Lovetsky 1828. Acipenseridae. Habitat: freshwater, brackish, marine.

turritus, *Acipenser* Fitzinger [L. J. F. J.] & Heckel [J. J.] 1836:270 [Annalen des Wiener Museums der Naturgeschichte v. 1 (no. 12); ref. [2077](#)] Museum label name in the synonymy of *Acipenser glaber*, not available. Also appeared in Brusina 1902:61 [ref. [17292](#)] as name in synonymy. •In the synonymy of *Acipenser nudiventris* Lovetsky 1828 -- (Kottelat 1997:31 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser nudiventris* Lovetsky 1828. Acipenseridae.

ACIPENSER PERSICUS

Species that contain: *Acipenser* and *persicus* (including unavailable names) [3] records

colchica, *Acipenser gueldenstadtii* var. Marti [V. J.] 1940:869 [Zoologicheskii Zhurnal v. 19 (no. 6); ref. [17607](#)] Southeastern part of Black Sea near mouth of Rioni and Inguri rivers, Georgia, Eurasia. Syntypes: (many). •Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833, but a valid subspecies -- (Berg 1948:84 [ref. [12882](#)], Svetovidov 1973:82 [ref. [7169](#)], Lelek 1987:25 [ref. [22962](#)], Ninua & Japoshvili 2008:164 [ref. [31251](#)]). •Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Kottelat 1997:30 [ref. [22952](#)], see also Sokolov 1998:21 [ref. [23571](#)]). •Synonym of *Acipenser persicus* Borodin 1897, but a valid subspecies -- (Reshetnikov et al. 1997:725 [ref. [24702](#)]). •Synonym of *Acipenser persicus* Borodin 1897 -- (Bogutskaya & Naseka 2004:24 [ref. [28183](#)]). •Valid as *Acipenser colchicus* Marti 1940 -- (Kottelat & Freyhof 2007:50 [ref. [29996](#)], Çiçek et al. 2015:142 [ref. [35151](#)]). **Current status:** Valid as *Acipenser colchicus* Marti 1940. Acipenseridae. Distribution: Southeastern Black Sea basin and lower Danube River. Habitat: freshwater.

kurensis, *Acipenser gueldenstaedtii persicus* natio Belyaev [W. N.] 1932:68 [ref. [23609](#)] Not available, infrasubspecific; from Kura River. •In the synonymy of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Coad 1995:6 [ref. [23608](#)]). **Current status:** Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833. Acipenseridae.

persicus, *Acipenser* Borodin [N. A.] 1897:18, Figs. [Vestnik Rybopromyshlennosti St. Petersburg v. 12; ref. [19955](#)] Ural River to Ural'sk, Kazakhstan; Kura River, Azerbaijan; southern shore of Caspian Sea, Iran. Syntypes: (2 measured) none at ZIN. •Synonym of *Acipenser gueldenstaedtii* Brandt &

Ratzeberg 1833, but a valid subspecies -- (Berg 1948:81 [ref. [12882](#)], Lelek 1987:50 [ref. [22962](#)], see also Sokolov 1998:19 [ref. [23571](#)], Ninua & Japoshvili 2008:164 [ref. [31251](#)]). •Valid as *Acipenser persicus* Borodin 1897 -- (Coad 1995:7 [ref. [23608](#)], Artyukhin 1995:7 [ref. [23782](#)], Bemis et al. 1997:37 [ref. [22871](#)], Reshetnikov et al. 1997:726 [ref. [24702](#)], Birstein & Bemis 1997:158 [ref. [29760](#)], Coad 1998:102 [ref. [23869](#)], Pourkazemi et al. 2000:1 [ref. [25536](#)], Bogutskaya et al. 2001:42 [ref. [26178](#)], Bogutskaya & Naseka 2004:24 [ref. [28183](#)], Fricke et al. 2007:21 [ref. [29533](#)], Kottelat & Freyhof 2007:55 [ref. [29996](#)], Kottelat & Freyhof 2007:55 [ref. [29996](#)], Vasil'eva 2007:38 [ref. [30517](#)], Ruban et al. 2011:470 [ref. [31229](#)], Esmaeili et al. 2010:365 [ref. [33391](#)], Hilton et al. 2011:136 [ref. [31407](#)], Parin et al. 2014:43 [ref. [33547](#)], Jouladeh-Roudbar et al. 2015:858 [ref. [34062](#)], Çiçek et al. 2015:143 [ref. [35151](#)], Esmaeili et al. 2017:25 [ref. [35254](#)], Esmaeili et al. 2018:7 [ref. [36089](#)]). **Current status:** Valid as *Acipenser persicus* Borodin 1897. Acipenseridae. Distribution: Eastern Atlantic, Europe and Middle east: Caspian Sea and adjacent watersheds; introduced elsewhere. Habitat: freshwater, brackish.

ACIPENSER RUTHENUS

Species that contain: *Acipenser* and *ruthenus* (including unavailable names) [**33**] records

acutirostris*, *Acipenser ruthenus form Roussow [G.] 1955:79 [American Antiquity v. 21; ref. [26406](#)] Not available; infrasubspecific. •Wrongly treated as a subspecies of [in the synonymy of] *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. [24570](#)]). **Current status:** Synonym of *Acipenser*. Acipenseridae.

alba*, *Acipenser ruthenus var. Antipa [G.] 1909:249, Pl. 31 (fig. 93a) [Publicatiuniule fondului Vasilie Adamachi, Academia Româna [Fauna ichtiologica a romaniei, de dr. Gr. Antipa]. v. 3 (no. 16); ref. [15922](#)] Romania. No types known. Treated by Kottelat 1997:32 [ref. [22952](#)] as infrasubspecific and unavailable. •In the synonymy of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae.

albinea*, *Acipenser ruthenus var. Brusina [S.] 1902:64 [Rad Jugoslavenske Akademije znanosti i umjetnosti. Zagreb. No. 149; ref. [17292](#)] Sava at Rugvice; Kupa at Siska, Croatia. No types known. Original not seen. Treated by Kottelat 1997:32 [ref. [22952](#)] as infrasubspecific and unavailable. •In the synonymy of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae.

aleutensis*, *Acipenser Fitzinger [L. J. F. J.] in Fitzinger & Heckel 1836:285 [Annalen des Wiener Museums der Naturgeschichte v. 1 (no. 12); ref. [2077](#)] Canaga Island, Aleutian Islands, Alaska, U.S.A. [in error]. No types known. See Mecklenburg et al. 2002:115 [ref. [25968](#)] who say not from Alaska and not *transmontanus*. •Questionably a synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. [22952](#)]). •Synonym of *Acipenser transmontanus* Richardson 1837 -- (Scott & Crossman 1998:100 [ref. [24570](#)]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

baschmakovae*, *Acipenser ruthenus ruzskyi natio Johansen [B. G.] 1946:173 [Trudy Tomskogo Gosudarstvennogo Universiteta v. 97; ref. [19607](#)] Infrasubspecific and unavailable; from Naryn, Ob R. basin, Siberia, Russia. •In the synonymy of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. [22952](#)]) **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae.

birostrata, *Acipenser ruthenus* var. Brusina [S.] 1902:65 [Rad Jugoslavenske Akademije znanosti i umjetnosti. Zagrebu. No. 149; ref. [17292](#)] Croatia. Original not seen. Treated by Kottelat 1997:32 [ref. [22952](#)] as infrasubspecific and unavailable. •In the synonymy of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae.

brevirostris, *Acipenser ruthenus* var. Antipa [G.] 1909:250, Pl. 31? (fig. 94) [Publicatiuniule fondului Vasilie Adamachi, Academia Româna [Fauna ichtiologica a romaniei, de dr. Gr. Antipa]. v. 3 (no. 16); ref. [15922](#)] Objectively invalid if treated as available, preoccupied by *Acipenser brevirostrum* Lesueur 1818. Treated by Kottelat 1997:32 [ref. [22952](#)] as infrasubspecific and unavailable; from Danube R. •In the synonymy of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. [22952](#)])). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae.

dubius, *Acipenser* Heckel [J. J.] in Fitzinger & Heckel 1836:276 [Annalen des Wiener Museums der Naturgeschichte v. 1 (no. 12); ref. [2077](#)] Not available, name only in synonymy of *Acipenser gmelini* Fitzinger 1836. •In the synonymy of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. [22952](#)] based on Brusina 1902). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae.

erytraea, *Acipenser ruthenus* var. Antipa [G.] 1909:250, Pl. 31 [Publicatiuniule fondului Vasilie Adamachi, Academia Româna [Fauna ichtiologica a romaniei, de dr. Gr. Antipa]. v. 3 (no. 16); ref. [15922](#)] Treated by Kottelat 1997:32 [ref. [22952](#)] as infrasubspecific and unavailable; from Rumania. •In the synonymy of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. [22952](#)])). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae.

fulvescens, *Acipenser* Rafinesque [C. S.] 1817:288 [American Monthly Magazine and Critical Review v. 1; ref. [19654](#)] Lake Erie, North America. No types known. Original genus should have been *Acipenser*. The two subspecies names, *acutirostris* and *obtusirostris*, attributed to Roussow 1955:79 [ref. [26406](#)] in Scott & Crossman 1998:89 [ref. [24570](#)] were only mentioned as forms of *Acipenser ruthenus* Linnaeus 1758 (not of *A. fulvescens*) and are not available names. •Valid as *Acipenser fulvescens* Rafinesque 1817 -- (Lee et al. 1980:39 [ref. [22416](#)], Smith 1986:45 [ref. [22186](#)], Robison & Buchanan 1988:78 [ref. [23393](#)], McAllister 1990:40 [ref. [14674](#)], Tomelleri & Eberle 1990:11 [ref. [24089](#)], Page & Burr 1991:26 [ref. [18983](#)], Boschung 1992:28 [ref. [23239](#)], Et-nier & Starnes 1993:99 [ref. [22809](#)], Artyukhin 1995:7 [ref. [23782](#)], Chereshev 1996:599 [ref. [24659](#)], Stauffer et al. 1995:30 [ref. [23376](#)], Cross & Collins 1995:21 [ref. [23394](#)], Mettee et al. 1996:77 [ref. [25836](#)], Bemis et al. 1997:37 [ref. [22871](#)], Birstein & Bemis 1997:159 [ref. [29760](#)], Scott & Crossman 1998:82 [ref. [24570](#)], Fuller et al. 1999:22 [ref. [25838](#)], Lyons et al. 2000:20 [ref. [26594](#)], Ross et al. 2001:71 [ref. [25978](#)], Nelson et al. 2004:58 [ref. [27807](#)], Bailey et al. 2004:61 [ref. [27882](#)], Boschung & Mayden 2004:102 [ref. [27995](#)], Scharpf 2005:6 [ref. [28940](#)], Page & Burr 2011:135 [ref. [31215](#)], Hilton et al. 2011:136 [ref. [31407](#)], Page et al. 2013:58 [ref. [32708](#)], Afonso et al. 2016:13, 77 [ref. [36199](#)]). **Current status:** Valid as *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Distribution: North America: Hudson Bay (Canada) eastward, south to east-central U.S.A. Habitat: freshwater, brackish.

gmelini, *Acipenser* Fitzinger [L. J. F. J.] in Fitzinger & Heckel 1836:276, Pls. 25 (fig. 2), 30 (figs. 17-18) [Annalen des Wiener Museums der Naturgeschichte v. 1 (no. 12); ref. [2077](#)] Azov Sea or Caspian Sea. Holotype (unique): NMW (not found). •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:31 [ref. [22952](#)])). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

grisescens, *Acipenser ruthenus* var. Brandt [J. F.] 1853:320, Fig. 2 [Mélanges Biologiques, tirés du Bulletin physico-mathématique de l'Académie Impériale des Sciences de St. Pétersbourg v. 1; ref. [20902](#)] Nishni-Novgorod, Russia. No types known. Treated by Kottelat 1997:32 [ref. [22952](#)] from Brandt 1851 as infrasubspecific. •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. [22952](#)])). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

helenae, *Acipenser (Sterletus)* Duméril [A. H. A.] (ex Valenciennes) 1870:258 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Russia. Syntypes: MNHN 0000-5176 (2). Type catalog: Bertin 1940:253 [ref. [293](#)]. •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (authors). •Hybrid between *Acipenser ruthenus* x *Acipenser gueldenstaedti* -- (Kottelat 1997:183 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser*. Acipenseridae. Habitat: freshwater, brackish, marine.

jeniscensis, *Acipenser* Herzenstein [S. M.] 1895:79 [Vestnik Rybopromyshlennosti St. Petersburg v. 10; ref. [22000](#)] Turuchansk Dist, Russia. Original not seen; perhaps name only and not available. Berg 1911:204 [ref. [272](#)] cites Herzenstein in litt. •In the synonymy of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. [22952](#)] as *jeniscensis*). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae.

kamensis, *Acipenser* Lovetsky [A.] 1834:262, Pl. 16 (fig. 2) [Nouveaux mémoires de la Société impériale des naturalistes de Moscou v. 3; ref. [18085](#)] Kama River, Russia. No types known. evidently spelled *camensis* on Pl. 16; see Kottelat 1997:31 [ref. [22952](#)]. •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:31 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

kankreni, *Acipenser (Sterletus)* Duméril [A. H. A.] (ex Valenciennes) 1870:256 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Probably Russia. Holotype (unique): MNHN 0000-5173. Type catalog: Bertin 1940:253 [ref. [293](#)]. •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

koster, *Acipenser* Gmelin [J. F.] 1789:1486 [Caroli a Linné ... Systema Naturae per regna tria naturae v. 1 (pt 3); ref. [18139](#)] Caspian Sea. Appeared first as name only in Gmelin 1774:238 [ref. 18140, v. 3]. •Apparently the same as *Acipenser kostera* Fitzinger 1832. •?Synonym of *Acipenser ruthenus* Linnaeus 1758. **Current status:** Uncertain as *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

kostera, *Acipenser* Fitzinger [L. J. F. J.] 1832:340 [Beiträge zur Landeskunde Österreichs unter der Enns, Wien v. 1; ref. [5019](#)] Danube River, Vienna, Austria. Neotype: BMNH 1898.4.11.26. Neotype designated by Kottelat 1997:31 [ref. [22952](#)]. •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:31 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

leucotica, *Acipenser ruthenus* var. Brandt [J. F.] 1853:320, Fig. 1 [Mélanges Biologiques, tirés du Bulletin physico-mathématique de l'Académie Impériale des Sciences de St. Pétersbourg v. 1; ref. [20902](#)] Nishnij-Novgorod, Russia. No types known. Treated by Kottelat 1997:32 [ref. [22952](#)] as infrasubspecific from Brandt 1851, available as above. •Questionably a synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. [22952](#)]). **Current status:** Uncertain as *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

lovetzkyi, *Acipenser (Sterletus)* Duméril [A. H. A.] 1870:254 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Russia. Syntypes: MNHN 0000-5171 (2). Type catalog: Bertin 1940:253 [ref. [293](#)]. •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

major, *Accipenser ruthenus* Schöpf [J. D.] 1788:186 [Schriften der Berlinischen Gesellschaft Naturforschender Freunde v. 8; ref. [18700](#)] Hudson River, New York, U.S.A. No types known. Genus should have been *Acipenser*. Not used as valid after 1899; therefore reversal of priority in favor of *Acipenser oxyrinchus oxyrinchus* Mitchill 1815. •In the synonymy of *Acipenser oxyrinchus oxyrinchus* Mitchill 1815 -- (Hilton et al. 2016:31 [ref. [35294](#)]). **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae. Habitat: freshwater, brackish, marine.

marsiglii*, *Acipenser Brandt [J. F.] in Brandt & Ratzeburg 1833:352 [Medizinische Zoologie v. 2; ref. [619](#)] Danube River or Ob River. Holotype: ?ZIN 11825. Based on *Antaceus glaber* of Marsigli 1726:34, Pl. 10 (fig. 2) [not investigated]. Also spelled *marsilii* by authors. •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Berg 1948:76 [ref. [12882](#)], Kottelat 1997:31 [ref. [22952](#)], Parin et al. 2014:44 [ref. [33547](#)]). •Synonym of *Acipenser ruthenus* Linnaeus 1758, but perhaps a valid subspecies -- (Reshetnikov et al. 1997:726 [ref. [24702](#)], Sokolov 1998:21 [ref. [23571](#)]). •Synonym of *Acipenser ruthenus* Linnaeus 1758, but a valid subspecies *marsiglii* -- (Sheiko & Fedorov 2000:16 [ref. [25650](#)]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

obtusirostris*, *Acipenser ruthenus form Roussow [G.] 1955:79 [American Antiquity v. 21; ref. [26406](#)] Not available; infrasubspecific. •Wrongly treated as a subspecies of [in the synonymy of] *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. [24570](#)]). Acipenseridae.

obtusirostra*, *Acipenser ruthenus var. Brusina [S.] 1902:66 [Rad Jugoslavenske Akademije znanosti i umjetnosti. Zagrebu. No. 149; ref. [17292](#)] Original not seen. Treated by Kottelat 1997:32 [ref. [22952](#)] as infrasubspecific and unavailable; from Una River, Croatia. •In the synonymy of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae.

primigenius*, *Acipenser Chalikov [B. G.] 1944:47 [Zoologicheskii Zhurnal v. 23 (no. 1); ref. [13170](#)] Northern Caspian Sea. No types known. •Hybrid of *Acipenser ruthenus* x *Acipenser gueldenstaedti* -- (Berg 1948:77 [ref. [12882](#)], Kottelat 1997:183 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser*. Acipenseridae. Habitat: freshwater, brackish, marine.

pygmaeus*, *Acipenser Pallas [P. S.] 1814:102 [Zoographia Rosso-Asiatica v. 3; ref. [3351](#)] Major seas and rivers of Europe. No types known. For localities see Kottelat 1997:31 [ref. [22952](#)]. •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:31 [ref. [22952](#)], Sokolov 1998:21 [ref. [23571](#)]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

ruthenicus*, *Acipenser Brusina [S.] 1902:63 [Rad Jugoslavenske Akademije znanosti i umjetnosti. Zagrebu. No. 149; ref. [17292](#)] Original not seen. Not available, name in synonymy. •In the synonymy of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:31 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae.

ruthenus*, *Acipenser Linnaeus [C.] 1758:237 [Systema Naturae, Ed. X v. 1; ref. [2787](#)] ?Danube River. Holotype: NRM 96. Based on several sources, see Kottelat 1997:31 [ref. [22952](#)] so 96 should be regarded as a syntype. Apparently *ruthenicus* Brusina 1902:63 is a misspelling. Species name spelled *rhtenus* by Kielsen 1835:iii [ref. [30365](#)]. •Valid as *Acipenser ruthenus* Linnaeus 1758 -- (Berg 1948:70 [ref. [12882](#)], Lelek 1987:51 [ref. [22962](#)], Coad 1995:7 [ref. [23608](#)], Artyukhin 1995:7 [ref. [23782](#)], Zhu 1995:6 [ref. [25213](#)], Sokolov & Tsepkin 1996:23 [ref. [24640](#)], Chereshevnev 1996:599 [ref. [24659](#)], Bemis et al. 1997:37 [ref. [22871](#)], Kottelat 1997:31 [ref. [22952](#)], Reshetnikov et al. 1997:726 [ref. [24702](#)], Birstein & Bemis 1997:158 [ref. [29760](#)], Sokolov 1998:21 [ref. [23571](#)], Bogutskaya et al. 2001:42 [ref. [26178](#)], Zhang 2001:29 [ref. [26586](#)], Hanel 2003:46 [ref. [27894](#)], Bogutskaya & Naseka 2004:24 [ref. [28183](#)], Hanel & Lusk 2005:176 [ref. [28804](#)], Fricke et al. 2007:21 [ref. [29533](#)], Kottelat & Freyhof 2007:55 [ref. [29996](#)], Esmaeili et al. 2010:365 [ref. [33391](#)], Mecklenburg et al. 2011:117 [ref. [31212](#)], Ruban et al. 2011:471 [ref. [31229](#)], Hilton et al. 2011:136 [ref. [31407](#)], Dolgov 2013:915 [ref. [33112](#)], Parin et al. 2014:44 [ref. [33547](#)], Litz & Koerber 2014:5 [ref. [33622](#)], Jouladeh-Roudbar et al. 2015:858 [ref. [34062](#)], Çiçek et al. 2015:143 [ref. [35151](#)], Zhang et al. 2016:45 [ref. [34477](#)], Nión et al. 2016:24 [ref. [35565](#)], Esmaeili et al. 2017:25 [ref. [35254](#)], Romanov et al. 2017:820 [ref. [35687](#)], Esmaeili et al. 2018:7 [ref. [36089](#)]). **Current status:** Valid as *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Distribution: Arctic rivers; Europe and Middle East: Black Sea, Sea of Azov, White Sea and Caspian Sea watersheds. Introduced elsewhere. Habitat: freshwater, brackish.

ruzskyi, Acipenser ruthenus Johansen [B. G.] 1946:171 [Trudy Tomskogo Gosudarstvennogo Universiteta v. 97; ref. [19607](#)] Upper Ob River, Siberia, Russia. Syntypes: (21). •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. [22952](#)] as *ruzskyi*, Sokolov 1998:21 [ref. [23571](#)] as *ruzskyi*). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

septemcarinata, Acipenser ruthenus var. Brusina [S.] 1902:66 [Rad Jugoslavenske Akademije znanosti i umjetnosti. Zagrebu. No. 149; ref. [17292](#)] Original not seen. Treated by Kottelat 1997:32 [ref. [22952](#)] as infrasubspecific and unavailable; from Una River, Croatia. •In the synonymy of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae.

sibiricus, Sterledus ruthenus var. Dybowski [B. N.] 1874:394 [Verhandlungen der K.-K. zoologisch-botanischen Gesellschaft in Wien v. 24 (no. 3-4); ref. [1172](#)] Middle and lower Angara River, Siberia, Russia. Syntypes: whereabouts unknown. •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

sterlet, Acipenser Brusina [S.] 1902:63 [Rad Jugoslavenske Akademije znanosti i umjetnosti. Zagrebu. No. 149; ref. [17292](#)] Original not seen. Not available, name in synonymy. •In the synonymy of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:31 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae.

sterleta, Acipenser Gldenstdt [J. A. von] 1772:533 [Novi Commentarii Academiae Scientiarum Imperialis Petropolitanae v. 16 (for 1771); ref. [5066](#)] Not available, non-binominal. •In the synonymy of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:31 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae.

ACIPENSER SCHRENCKII

Species that contain: *Acipenser* and *schrenckii* (including unavailable names) [2] records

multiscutatus, Acipenser Tanaka [S.] 1908:21, Pl. 2 (fig. 1) [Journal of the College of Science. Imperial University, Tokyo v. 23 (art. 7); ref. [6032](#)] 7 miles off Ukedohama, Iwaki Province, Japan. Holotype: ZUMT 955 (stuffed, lost). Paratypes: ZUMT (2, skins, lost). •Valid as *Acipenser multiscutatus* Tanaka 1908 -- (Okada 1961:280 [ref. [6363](#)], Nakaya in Masuda et al. 1984:18 [ref. [6441](#)]). •Synonym of *Acipenser schrenckii* Brandt 1869 -- (Birstein & Bemis 1997:159 [ref. [29760](#)] with question, Dyldin & Orlov 2016:546 [ref. [34656](#)]). **Current status:** Synonym of *Acipenser schrenckii* Brandt 1869. Acipenseridae. Distribution: Japan [if valid]. Habitat: freshwater, brackish, marine.

schrenckii, Acipenser Brandt [J. F.] 1869:115 [Mélanges biologiques v. 7; ref. [618](#)] Amur River and its main tributaries, Russia. Syntypes: whereabouts unknown. For remarks on systematics see Kottelat 2006:15 [ref. [28831](#)]. •Valid as *Acipenser schrenckii* [often as *schrencki*] Brandt 1869 -- (Berg 1948:91 [ref. [12882](#)], Nakaya in Masuda et al. 1984:18 [ref. [6441](#)], Artyukhin 1995:7 [ref. [23782](#)], Artyukin 1995:7 [ref. [23782](#)], Zhu 1995:5 [ref. [25213](#)], Bogutskaya & Naseka 1996:11 [ref. [22798](#)], Bemis et al. 1997:37 [ref. [22871](#)], Reshetnikov et al. 1997:726 [ref. [24702](#)], Birstein & Bemis 1997:158 [ref. [29760](#)] as *schrencki*, Sokolov 1998:22 [ref. [23571](#)], Yue & Chen 1998:6 [ref. [26415](#)], Bogutskaya et al. 2001:42 [ref. [26178](#)], Zhang 2001:32 [ref. [26586](#)], Bogutskaya & Naseka 2004:25 [ref. [28183](#)] as *schrenckii*, Kottelat 2006:15 [ref. [28831](#)], Ocock et al. 2006:27 [ref. [28933](#)] as *schrenckii*, Bogutskaya et al. 2008:313 [ref. [30085](#)], Hilton et al. 2011:136 [ref. [31407](#)] as *schrenckii*, Parin et al. 2014:44 [ref. [33547](#)] as *schrenckii*, Zhang et al. 2016:45 [ref. [34477](#)] as *schrenckii*, Dyldin & Orlov 2016:546 [ref. [34656](#)]). **Current status:** Valid as *Acipenser schrenckii* Brandt 1869. Acipenseridae. Distribution: Asia and western North Pacific: Amur River basin, China, Russia and Mongolia. Habitat: freshwater, brackish, marine.

ACIPENSER SINENSIS

Species that contain: *Acipenser* and *sinensis* (including unavailable names) [2] records

kikuchii, Acipenser Jordan [D. S.] & Snyder [J. O.] 1901:302, Pl. 15 (figs. 1-2) [Journal of the College of Science. Imperial University, Tokyo v. 15 (pt 2); ref. [2506](#)] Misaki, Kanagawa Prefecture, Sagami Bay, Japan. Holotype (unique): ZUMT 946 (mounted). •Valid as *Acipenser kikuchii* Jordan & Snyder 1901 -- (Okada 1961:284 [ref. [6363](#)]). •Synonym of *Acipenser sinensis* Gray 1835 -- (Birstein & Bemis 1997:159 [ref. [29760](#)]). **Current status:** Synonym of *Acipenser sinensis* Gray 1835. Acipenseridae. Habitat: freshwater, brackish, marine.

sinensis, Acipenser Gray [J. E.] 1835:122 [Proceedings of the Zoological Society of London 1834 (pt 2); ref. [18155](#)] China. Syntypes: BMNH 1851.12.27.267 (1). •Valid as *Acipenser sinensis* Gray 1835 -- (Nakaya in Masuda et al. 1984:18 [ref. [6441](#)], Zheng et al. 1989:19 [ref. [21202](#)], Kuang in Pan et al. 1991:26 [ref. [23876](#)], Ding 1994:30 [ref. [21531](#)], Artyukhin 1995:7 [ref. [23782](#)], Zhu 1995:6 [ref. [25213](#)], Bemis et al. 1997:37 [ref. [22871](#)], Cheng & Zhou 1997:63 [ref. [26385](#)] dated 1834, Kim 1997:140 [ref. [24032](#)], Birstein & Bemis 1997:158 [ref. [29760](#)], Chen in Chen 1998:37 [ref. [23556](#)], Yue & Chen 1998:13 [ref. [26415](#)], Zhang 2001:34 [ref. [26586](#)] dated 1834, Youn 2002:136, 487 [ref. [26218](#)], Hilton et al. 2011:136 [ref. [31407](#)], Zhang et al. 2016:45 [ref. [34477](#)] dated 1834). **Current**

status: Valid as *Acipenser sinensis* Gray 1835. Acipenseridae. Distribution: Yangtze and Pearl River basins, China. Habitat: freshwater, brackish, marine.

ACIPENSER STELLATUS

Species that contain: *Acipenser* and *stellatus* (including unavailable names) [11] records

cyrensis, *Acipenser stellatus stellatus* natio Berg [L. S.] 1932:65 [Les poissons des eaux douces de l'U.R.S.S. Part 1; ref. [278](#)] Not available, infrasubspecific; from Kura River, Azerbaijan. •In the synonymy of *Acipenser stellatus* Pallas 1771 -- (Berg 1948:100 [ref. [12882](#)], Kottelat 1997:33 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser stellatus* Pallas 1771. Acipenseridae.

danubialis, *Acipenser stellatus* Brusina [S.] 1902:59, Fig. 3 [Rad Jugoslavenske Akademije znanosti i umjetnosti. Zagrebu. No. 149; ref. [17292](#)] Danube River. Syntypes: whereabouts unknown. •Synonym of *Acipenser stellatus* Pallas 1771 -- (Svetovidov 1973:84 [ref. [7169](#)], Kottelat 1997:33 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser stellatus* Pallas 1771. Acipenseridae. Habitat: freshwater, brackish, marine.

donensis, *Acipenser stellatus* Lovetsky [A.] 1834:263, Pl. 19 (fig. 1) [Nouveaux mémoires de la Société impériale des naturalistes de Moscou v. 3; ref. [18085](#)] Don River, Russia. •Synonym of *Acipenser stellatus* Pallas 1771 -- (Berg 1948:96 [ref. [12882](#)], Svetovidov 1973:83 [ref. [7169](#)], Kottelat 1997:33 [ref. [22952](#)], Parin et al. 2014:44 [ref. [33547](#)]). •Synonym of *Acipenser stellatus* Pallas 1771, but a valid subspecies as described -- (Sokolov 1998:19 [ref. [23571](#)]). **Current status:** Synonym of *Acipenser stellatus* Pallas 1771. Acipenseridae. Habitat: freshwater, brackish, marine.

helops, *Acipenser* Pallas [P. S.] 1814:97 [Zoographia Rosso-Asiatica v. 3; ref. [3351](#)] Major rivers and seas of Russia. No types known. •Synonym of *Acipenser stellatus* Pallas 1771 -- (Berg 1948:96 [ref. [12882](#)] as *helops*, Svetovidov 1973:83 [ref. [7169](#)], Coad 1995:7 [ref. [23608](#)], Kottelat 1997:32 [ref. [22952](#)], Sokolov 1998:22 [ref. [23571](#)], Parin et al. 2014:44 [ref. [33547](#)]). **Current status:** Synonym of *Acipenser stellatus* Pallas 1771. Acipenseridae. Habitat: freshwater, brackish, marine.

illyricus, *Acipenser stellatus* Brusina [S.] 1902:60, Figs. 1-2 [Rad Jugoslavenske Akademije znanosti i umjetnosti. Zagrebu. No. 149; ref. [17292](#)] Zadar, Dalmatia, Croatia, Adriatic Sea (Mediterranean Sea). Syntypes: whereabouts unknown. Original not seen. •Synonym of *Acipenser stellatus* Pallas 1771 -- (Svetovidov 1973:84 [ref. [7169](#)], Kottelat 1997:33 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser stellatus* Pallas 1771. Acipenseridae. Habitat: freshwater, brackish, marine.

ponticus, *Acipenser stellatus* Movchan [Yu. V.] 1970:41 [Vestnik Zoologii v. 1970 (no. 2); ref. [895](#)] Northwestern Black Sea, including Danube and Dneiper rivers. Syntypes: (many) whereabouts unknown. •Synonym of *Huso huso* (Linnaeus 1758) -- (see Sokolov 1998:23 [ref. [23571](#)]). •Synonym of *Acipenser stellatus* Pallas 1771 -- (Parin et al. 2014:45 [ref. [33547](#)]). **Current status:** Synonym of *Acipenser stellatus* Pallas 1771. Acipenseridae. Habitat: freshwater, brackish, marine.

ratzeburgii, *Acipenser* Brandt [J. F.] in Brandt & Ratzeburg 1833:351, 352, Pl. 1a (fig. 3) [Medizinische Zoologie v. 2; ref. [619](#)] Caspian Sea at mouth of Emba River. Holotype: ZIN 11760. •Synonym of *Acipenser stellatus* Pallas 1771 -- (Coad 1995:7 [ref. [23608](#)], Kottelat 1997:33 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser stellatus* Pallas 1771. Acipenseridae. Habitat: freshwater, brackish, marine.

rostratus, *Acipenser* Brandt [J. F.] & Ratzeburg [J. T. C.] 1833:29 [Medizinische Zoologie v. 2; ref. [619](#)] No description, not available. •In the synonymy of *Acipenser stellatus* Pallas 1771 -- (Kottelat 1997:33 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser stellatus* Pallas 1771. Acipenseridae.

rostratus, *Acipenser* Heckel [J. J.] in Fitzinger & Heckel 1836:287, 298 [Annalen des Wiener Museums der Naturgeschichte v. 1 (no. 12); ref. [2077](#)] Treated by Kottelat as dating to Brandt & Ratzeburg 1833, as name in synonymy and not available. •In the synonymy of *Acipenser stellatus* Pallas 1771 -- (Kottelat 1997:33 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser stellatus* Pallas 1771. Acipenseridae.

seuruga, *Acipenser* Gldenstdt [J. A. von] 1772:533 [Novi Commentarii Academiae Scientiarum Imperialis Petropolitanae v. 16 (for 1771); ref. [5066](#)] Caspian Sea. No types known. Also in Bonaterre 1788:17 [ref. [4940](#)]. •Synonym of *Acipenser stellatus* Pallas 1771 -- (Kottelat 1997:32 [ref. [22952](#)], Sokolov 1998:22 [ref. [23571](#)], Parin et al. 2014:44 [ref. [33547](#)]). **Current status:** Synonym of *Acipenser stellatus* Pallas 1771. Acipenseridae. Habitat: freshwater, brackish, marine.

stellatus, *Acipenser* Pallas [P. S.] 1771:460 [Reise durch verschiedene Provinzen des russischen Reiches; ref. [18509](#)] Volga River at Simbirsk, Caspian Sea, Ural River to Gwje. No types known. •Valid as *Acipenser stellatus* Pallas 1771 -- (Berg 1948:96 [ref. [12882](#)], Svetovidov 1973:83 [ref. [7169](#)], Svetovidov in Whitehead et al. 1984:223 [ref. [13675](#)], Lelek 1987:54 [ref. [22962](#)], Coad 1995:7 [ref. [23608](#)], Artyukhin 1995:7 [ref. [23782](#)], Sokolov & Tsepkin 1996:20 [ref. [24640](#)], Bemis et al. 1997:37 [ref. [22871](#)], Kottelat 1997:32 [ref. [22952](#)], Reshetnikov et al. 1997:726 [ref. [24702](#)], Birstein & Bemis 1997:158 [ref. [29760](#)], Sokolov 1998:22 [ref. [23571](#)], Coad 1998:102 [ref. [23869](#)], Pourkazemi et al. 2000:1 [ref. [25536](#)], Bogutskaya et al. 2001:42 [ref. [26178](#)], Bilecenođlu et al. 2002:29 [ref. [26753](#)], Hanel 2003:47 [ref. [27894](#)], Bogutskaya & Naseka 2004:25 [ref. [28183](#)], Vassilev & Pehlivanov 2005:162 [ref. [28369](#)], Fricke et al. 2007:22 [ref. [29533](#)], Kottelat & Freyhof 2007:56 [ref. [29996](#)], Vasil'eva 2007:39 [ref. [30517](#)], Ninua & Japoshvili 2008:164 [ref. [31251](#)], Esmaeili et al. 2010:365 [ref. [33391](#)], Lipej & Dulčić 2010:16 [ref. [36649](#)], Hilton et al. 2011:136 [ref. [31407](#)], Parin et al. 2014:44 [ref. [33547](#)], Jouladeh-Roudbar et al. 2015:859 [ref. [34062](#)], Barbieri et al. 2015:36 [ref. [35029](#)], Çiçek et al. 2015:143 [ref. [35151](#)], Esmaeili et al. 2017:25 [ref. [35254](#)], Esmaeili et al. 2018:7 [ref. [36089](#)]). **Current status:** Valid as *Acipenser stellatus* Pallas 1771. Acipenseridae. Distribution: Eastern Atlantic, Mediterranean Sea, Europe and Middle East: Black Sea, Caspian Sea, Aegean Sea and adjacent watersheds. Habitat: freshwater, brackish, marine.

ACIPENSER STURIO

Species that contain: Acipenser and sturio (including unavailable names) [23] records

accipenser, Sturio Strøm [H.] 1784:129 [Physisk-oeconomisk beskrivelse over Eger-praestgiaeld i Aggerhuus-stift i Norge; ref. [22961](#)] Boskerud District, southwest of Oslo, Norway. No types known. Declared a nomen protectum under Art. 23.9.1.2 by Kottelat & Freyhof 2009:79 [ref. [30320](#)] in favor of *Acipenser oxyrinchus* Mitchill 1815. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)]). •In the synonymy of *Acipenser oxyrinchus* Mitchill 1815 -- (Hilton et al. 2016:31 [ref. [35294](#)])). **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae. Habitat: freshwater, brackish, marine.

atlanticus, Accipenser Rafinesque [C. S.] 1820:246 [Western Revue and Miscellaneous Magazine: a monthly publ., devoted to literature and science, Lexington, KY v. 3 (no. 4); ref. [5088](#)] U.S.A. Also in Rafinesque 1820:79 [ref. [3592](#)]. Based on *Acipenser sturio* of Mitchill 1815:461 [ref. [13292](#)] (not of Linnaeus). Correct spelling of genus is *Acipenser*. Acipenseridae. Habitat: freshwater, brackish, marine.

attilus, Accipenser Rafinesque [C. S.] 1820:246 [Western Revue and Miscellaneous Magazine: a monthly publ., devoted to literature and science, Lexington, KY v. 3 (no. 4); ref. [5088](#)] Also in Rafinesque 1820:79 [ref. [3592](#)] and in Bonaparte 1846:21 [ref. [519](#)]. Name only and not available. Correct spelling of genus is *Acipenser*. •In the synonymy of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)])). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae.

attilus, Acipenser Gray [J. E.] 1851:13 [List of the specimens of fish in the collection of the British Museum.; ref. [4939](#)] As a replacement name for *Acipenser sturio* Linnaeus 1758 as treated by Kottelat 1997:33 [ref. [22952](#)]. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)])). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

ducissae, Acipenser (Huso) Duméril [A. H. A.] 1870:98, Pl. 20 (figs. 5, 5a) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Russia. Holotype (unique): MNHN 0000-4634. Type catalog: Bertin 1940:250 [ref. [293](#)]. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)])). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

europaeus, Acipenser Brusina [S.] 1902:180 [Rad Jugoslavenske Akademije znanosti i umjetnosti. Zagrebu. No. 149; ref. [17292](#)] Sweden. Original not seen. Name in synonymy and not available; a reference to Linnaeus apparently is in error. •In the synonymy of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)])). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae.

fitzingerii, Acipenser (Huso) Duméril [A. H. A.] (ex Valenciennes) 1870:97, Pl. 20 (figs. 4, 4a) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Russia. Holotype (unique): MNHN 0000-4638. Type catalog: Bertin 1940:250 [ref. [293](#)]. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)])). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

hospitus, Acipenser Krøyer [H. N.] 1852:780 [Danmarks Fiske; ref. [18437](#)] Northern Öresund [sound between Sweden and Seeland, Denmark]. Holotype (unique): ZMUC (dry). Original not seen. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)])). •Synonym of

Acipenser oxyrinchus Mitchill 1815. **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae. Habitat: freshwater, brackish, marine.

kostera, *Acipenser sturio* var. Pallas [P. S.] 1814:96 [Zoographia Rosso-Asiatica v. 3; ref. [3351](#)] Not a scientific name: listed as the Russian name for a variety (Ob R.). Acipenseridae.

laevissimus, *Acipenser* Duméril [A. H. A.] (ex Valenciennes) 1870:188 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Elbe River, Germany; River Gironde, Bordeaux, France. Syntypes: MNHN 0000-5158 (1) Elbe River, MNHN 0000-5159 (1) River Gironde. Type catalog: Bertin 1940:253 [ref. [293](#)]. •Synonym of *Acipenser sturio* Linnaeus 1758. **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

latirostris, *Acipenser* Parnell [R.] 1831-37:405, Pl. 39 [Memoirs of the Wernerian Natural History Society, Edinburgh v. 7 (art. 2) (for 1831-1837); ref. [18519](#)] Firth of Forth, Scotland. No types known. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

lichtensteinii, *Acipenser* Bloch [M. E.] & Schneider [J. G.] 1801:348, Pl. 69 [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] North Sea. Holotype (unique): ZMB 4412. Type catalog: Paepke 1999:42 [ref. [24282](#)]. Declared a nomen protectum under Art. 23.9.1.2 by Kottelat & Freyhof 2009:79 [ref. [30320](#)] in favor of *Acipenser oxyrinchus* Mitchill 1815. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)]). •In the synonymy of *Acipenser oxyrinchus* Mitchill 1815 -- (Kottelat & Freyhof 2009:79 [ref. [30320](#)], Hilton et al. 2016:31 [ref. [35294](#)]). **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae. Habitat: freshwater, brackish, marine.

milberti, *Acipenser (Huso)* Duméril [A. H. A.] 1870:137 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] New York, U.S.A. Syntypes: MNHN 0000-3113 (1, mounted), 0000-3494 (1, mounted). Type catalog: Bertin 1940:251 [ref. [293](#)]. •Synonym of *Acipenser oxyrinchus* Mitchill 1815 -- (Smith 1986:49 [ref. [22186](#)] as *oxyrhynchus*, Hilton et al. 2016:31 [ref. [35294](#)]). •Synonym of *Acipenser sturio* Linnaeus 1758 -- (authors). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

nehelae, *Acipenser (Huso)* Duméril [A. H. A.] 1870:100, Pl. 20 (figs. 6, 6a) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Russia. Holotype (unique): MNHN 0000-4637. Type catalog: Bertin 1940:250 [ref. [293](#)]. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

platorynchus, *Accipenser* Rafinesque [C. S.] 1820:247 [Western Revue and Miscellaneous Magazine: a monthly publ., devoted to literature and science, Lexington, KY v. 3 (no. 4); ref. [5088](#)] Ohio, Wabash and Cumberland rivers, U.S.A. No types known. Described as belonging to subgenus *Sturio*, but listed as above. Also in Rafinesque 1820:80 [ref. [3592](#)]. Correct spelling of genus is *Acipenser*. •Valid as *Scaphirhynchus platorynchus* (Rafinesque 1820) -- (Lee et al. 1980:44 [ref. [22416](#)], Robison & Buchanan 1988:80 [ref. [23393](#)], Tomelleri & Eberle 1990:12 [ref. [24089](#)], Page & Burr 1991:27 [ref. [18983](#)], Williams & Clemmer 1991:23 [ref. [19118](#)], Boschung 1992:29 [ref. [23239](#)], Espinosa Pérez et al. 1993:7 [ref. [22290](#)], Etnier & Starnes 1993:102 [ref. [22809](#)], Baxter & Stone 1995:44 [ref. [23374](#)], Stauffer et al. 1995:31 [ref. [23376](#)], Cross & Collins 1995:25 [ref. [23394](#)], Mayden & Kuhajda 1996:260 [ref. [22395](#)], Mettee et al. 1996:81 [ref. [25836](#)], Bemis et al. 1997:37 [ref. [22871](#)], Lyons et al. 2000:20 [ref. [26594](#)] as *platorhynchus*, Ross et al. 2001:77 [ref. [25978](#)], Nelson et al. 2004:58 [ref. [27807](#)], Miller & Robison 2004:48 [ref. [27931](#)], Boschung & Mayden 2004:107 [ref. [27995](#)], Scharpf 2005:7 [ref. [28940](#)], Miller 2006:82 [ref. [28615](#)], Page & Burr 2011:138 [ref. [31215](#)], Hilton et al. 2011:136 [ref. [31407](#)], Page et al. 2013:58 [ref. [32708](#)]). **Current status:** Valid as *Scaphirhynchus platorynchus* (Rafinesque 1820). Acipenseridae. Distribution: North America: large rivers, United States. Habitat: freshwater.

podapos, *Acipenser (Huso)* Duméril [A. H. A.] 1870:102 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Locality unknown [Europe]. Syntypes: MNHN 0000-4636 (2). Type catalog: Bertin 1940:250 [ref. [293](#)]. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

sturio, *Acipenser* Linnaeus [C.] 1758:237 [Systema Naturae, Ed. X v. 1; ref. [2787](#)] Charente River at Saintes, France. Neotype: MNHN 1962-1295. Paralectotypes: BMNH 1853.11.12.210 (1); NRM 94 (1), 21711 (1). Type catalog: Fernholm & Wheeler 1983:209 [ref. [20707](#)]. Lectotype selected by Kottelat & Freyhof 2009:77 [ref. [30320](#)] as the specimen illustrated in Rondelet 1555:410; since that specimen is not in existence, Kottelat & Freyhof 2009:77 [ref. [30320](#)] then designate MNHN 1962-1295 as the neotype to maintain *sturio* as the species of western and southern European species. They mistakenly referred to the neotype as the holotype on p. 77. •Synonym of *Acipenser oxyrinchus* Mitchell 1815, subspecies *oxyrinchus* Mitchell 1815 -- (Ross et al. 2001:76 [ref. [25978](#)], Hilton et al. 2016:31 [ref. [35294](#)]). •Valid as *Acipenser sturio* Linnaeus 1758 -- (Berg 1948:93 [ref. [12882](#)], Svetovidov 1973:82 [ref. [7169](#)], Svetovidov in Whitehead et al. 1984:224 [ref. [13675](#)], Lelek 1987:42 [ref. [22962](#)], Lepage & Rochard 1995:28 [ref. [22130](#)], Artyukhin 1995:7 [ref. [23782](#)], Mrakovcic et al. 1995:183 [ref. [23079](#)], Chereshnev 1996:599 [ref. [24659](#)], Bemis et al. 1997:37 [ref. [22871](#)], Kottelat 1997:33 [ref. [22952](#)], Reshetnikov et al. 1997:726 [ref. [24702](#)], Birstein & Bemis 1997:160 [ref. [29760](#)], Sokolov 1998:22 [ref. [23571](#)], Gröger & Debus 2000:175 [ref. [24937](#)], Bogutskaya et al. 2001:42 [ref. [26178](#)], Bilecenoglu et al. 2002:29 [ref. [26753](#)], Hanel 2003:46 [ref. [27894](#)], Bogutskaya & Naseka 2004:25 [ref. [28183](#)], Vassilev & Pehlivanov 2005:162 [ref. [28369](#)], Hanel & Lusk 2005:179 [ref. [28804](#)], Fricke 2007:25 [ref. [30577](#)], Fricke et al. 2007:22 [ref. [29533](#)], Kottelat & Freyhof 2007:57 [ref. [29996](#)], Vasil'eva 2007:39 [ref. [30517](#)], Ninua & Japoshvili 2008:164 [ref. [31251](#)], Kottelat & Freyhof 2009:77 [ref. [30320](#)], Lipej & Dulčić 2010:16 [ref. [36649](#)], Mecklenburg et al. 2011:117 [ref. [31212](#)], Hilton et al. 2011:136 [ref. [31407](#)], Parin et al. 2014:45 [ref. [33547](#)], Barbieri et al. 2015:36 [ref. [35029](#)], Çiçek et al. 2015:143 [ref. [35151](#)]). **Current status:** Valid as *Acipenser sturio* Linnaeus 1758. Acipenseridae. Distribution: Eastern Atlantic (currently only the Gironde Estuary, France) and southern Europe (Mediterranean Sea, Black Sea, Sea of Marmara and adjacent watersheds). Habitat: freshwater, brackish, marine.

sturioides, *Acipenser* Malm [A. W.] 1861:618 [Förhandlingar vid de Skandinaviska Naturforskarnes. v. 8 (for 1860); ref. [17594](#)] Göta Elf near Göteborg, Sweden. Holotype (unique): NMG. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

thompsoni, *Acipenser* Ball [R.] in Thompson 1856:245, 246 [Fishes of Ireland; ref. [4390](#)] Ireland. Not available, name in synonymy, as *Thompsonii*. •In the synonymy of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae.

valenciennii, *Acipenser (Huso)* Duméril [A. H. A.] 1870:180 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Questionably Seine River; Sables d'Olonne, Vendée. Syntypes: MNHN 0000-3115 (1, dry) Seine R.; MNHN 0000-3573 (1, dry) Sables d'Olonne. Type catalog: Bertin 1940:252-253 [ref. [293](#)]. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

vulgaris, *Acipenser* Billberg [G. J.] 1833:52 [Linnéska Samfundets Handlingar v. 1 (for 1832); ref. [34146](#)] Charente River at Saintes, France. Neotype: MNHN 1962-1295. Unnecessary replacement name for "*Hurio* Linn." [sic, should read *Acipenser sturio* Linnaeus 1758]; see Kullander 2016:113 [ref. [34147](#)]. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kullander 2016:113 [ref. [34147](#)]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

vulgaris, Sturio Rafinesque [C. S.] 1810:41 [Indice d'ittologia siciliana; ref. [3595](#)] Sicily, Italy, Mediterranean Sea. Also in Brusina 1902:54 [ref. [17292](#)]. Unneeded new name for (and objective synonym of) *Acipenser sturio* Linnaeus 1758. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

yarrellii, Acipenser Duméril [A. H. A.] 1867:164 [Nouvelles Archives du Muséum d'Histoire Naturelle, Paris v. 3; ref. [14072](#)] Seine River mouth, France. Syntypes: BMNH (2), MNHN 0000-3108 (1, dry). Type catalog: Bertin 1940:249 [ref. [293](#)] with MNHN 3108 as holotype. Also appeared as *Acipenser (Antaceus) yarrellii* in Duméril 1870:215 [ref. [1147](#)]. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

HUSO HUSO

Species that contain: Huso and huso (including unavailable names) [**55**] records

albula, Acipenser Forster [J. R.] 1767:354 [Philosophical Transactions of the Royal Society of London v. 57 (art. 33); ref. [18088](#)] Volga River, Russia. No types known. Not available, as named alternative for *Acipenser beluga* Forster 1767. See *Acipenser beluga* Forster 1767. •Synonym of *Huso huso* (Linnaeus 1758) -- (Kottelat 1997:34 [ref. [22952](#)]). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

anasimos, Acipenser (Huso) Duméril [A. H. A.] 1870:122 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] St. Louis, Missouri, U.S.A. Holotype (unique): MCZ (whereabouts unknown). •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

anthracinus, Acipenser (Huso) Duméril [A. H. A.] 1870:126, Pl. 15 (figs. 4, 4a-b) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Lake Erie, North America. Syntypes: MNHN 0000-9096 (1, dry), 0000-9112 (1, dry). Type catalog: Bertin 1940:251 [ref. [293](#)]. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. [24570](#)] as *athracinus*). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

atelaspis, Acipenser (Huso) Duméril [A. H. A.] 1870:141 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Saskatchewan River, Canada. Holotype (unique): MCZ (whereabouts unknown). •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. [24570](#)]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

bairdii, Acipenser (Huso) Duméril [A. H. A.] 1870:145 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Havre de Grace, Maryland, U.S.A. Holotype (unique): MCZ (whereabouts unknown). •Synonym of *Acipenser oxyrinchus* Mitchill 1815 -- (Hilton et al. 2016:31 [ref. [35294](#)]). **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae. Habitat: freshwater, brackish, marine.

beluga, Acipenser Forster [J. R.] 1767:354 [Philosophical Transactions of the Royal Society of London v. 57 (art. 33); ref. [18088](#)] Volga River, Russia. No types known. Not available, as named alternative as *Acipenser albula* or *A. beluga*. See *Acipenser albula* Forster 1767. •Synonym of *Huso*

huso (Linnaeus 1758) -- (Kottelat 1997:34 [ref. [22952](#)]). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

brandtii, Acipenser Günther [A.] 1870:336, 517 [Catalogue of the fishes in the British Museum v. 8; ref. [1995](#)] Black Sea; Caspian Sea. No types known. Based on *Acipenser schypa* (in part) of Brandt & Ratzeburg. •Based on a hybrid of *Huso huso* x *Acipenser nudiventris* -- (Berg 1948:65 [ref. [12882](#)], Kottelat 1997:183 [ref. [22952](#)]). Acipenseridae.

caspicus, Huso huso Babushkin [N. Ya.] 1942:131 [Izvestiia Azerbaidzhankoi nauchno-issledovatel'skpi rybokhoziaistvennoi stantsii. Baku, Russia. No. 7; ref. [21746](#)] Caspian Sea. No types known. •Synonym of *Huso huso* (Linnaeus 1758), but a valid subspecies as described -- (Lelek 1987:55 [ref. [22962](#)], Esmaeili et al. 2018:7 [ref. [36089](#)]). •Synonym of *Huso huso* (Linnaeus 1758) -- (Berg 1948:61 [ref. [12882](#)], Coad 1995:7 [ref. [23608](#)], Kottelat 1997:34 [ref. [22952](#)], Esmaeili et al. 2017:26 [ref. [35254](#)]). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

copei, Acipenser (Huso) Duméril [A. H. A.] 1870:108 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Upper Missouri River (?), U.S.A. Holotype (unique): MCZ 100696 [tracking no.] (not found). •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

curensis, Huso huso caspicus natio Babushkin [N. Ya.] 1942:131 [Izvestiia Azerbaidzhankoi nauchno-issledovatel'skpi rybokhoziaistvennoi stantsii. Baku, Russia. No. 7; ref. [21746](#)] Infrasub-specific, not available; from Kura River, Caspian Sea basin. •In the synonymy of *Huso huso* (Linnaeus 1758) -- (Kottelat 1997:34 [ref. [22952](#)]). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae.

dauricus, Acipenser Georgi [J. G.] 1775:352 [Bemerkungen einer Reise im russischen Reich in 1772; ref. [18104](#)] Amur River; Argun; Schilka; and Onon rivers. No types known. •Valid as *Acipenser dauricus* Georgi 1775 -- (Vasil'eva et al. 2009:865 [ref. [30626](#)], Parin et al. 2014:41 [ref. [33547](#)]). •Valid as *Huso dauricus* (Georgi 1775) -- (Berg 1948:58 [ref. [12882](#)], Nakaya in Masuda et al. 1984:18 [ref. [6441](#)], Honma & Itano 1994:317 [ref. [22346](#)], Artyukhin 1995:7 [ref. [23782](#)], Bogutskaya & Naseka 1996:11 [ref. [22798](#)], Chereshevnev 1996:599 [ref. [24659](#)], Bemis et al. 1997:37 [ref. [22871](#)], Reshetnikov et al. 1997:726 [ref. [24702](#)], Sokolov 1998:23 [ref. [23571](#)], Yue & Chen 1998:17 [ref. [26415](#)], Nakabo 2000:187 [ref. [25086](#)], Sheiko & Fedorov 2000:16 [ref. [25650](#)], Bogutskaya et al. 2001:42 [ref. [26178](#)], Pietsch et al. 2001:138 [ref. [25688](#)], Zhang 2001:38 [ref. [26586](#)], Nakabo 2002:187 [ref. [26001](#)], Fedorov et al. 2003:23 [ref. [27579](#)], Bogutskaya & Naseka 2004:26 [ref. [28183](#)], Kottelat 2006:85 [ref. [28831](#)], Bogutskaya et al. 2008:313 [ref. [30085](#)], Hilton et al. 2011:136 [ref. [31407](#)], Zhang et al. 2016:45 [ref. [34477](#)], Dyldin & Orlov 2016:546 [ref. [34656](#)]). **Current status:** Valid as *Huso dauricus* (Georgi 1775). Acipenseridae. Distribution: Northwestern Pacific. Habitat: freshwater, brackish, marine.

dekayi, Acipenser (Huso) Duméril [A. H. A.] 1870:168 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] New York, U.S.A. Holotype (unique): MCZ 8924. •Synonym of *Acipenser brevirostrum* Lesueur 1818 -- (Smith 1986:45 [ref. [22186](#)], Hilton et al. 2011:11 [ref. [31407](#)], Kynard et al. 2016:209 [ref. [35295](#)]). **Current status:** Synonym of *Acipenser brevirostrum* Lesueur 1818. Acipenseridae. Habitat: freshwater, brackish, marine.

ducissae, Acipenser (Huso) Duméril [A. H. A.] 1870:98, Pl. 20 (figs. 5, 5a) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Russia. Holotype (unique): MNHN 0000-4634. Type catalog: Bertin 1940:250 [ref. [293](#)]. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

fitzingerii, Acipenser (Huso) Duméril [A. H. A.] (ex Valenciennes) 1870:97, Pl. 20 (figs. 4, 4a) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Russia. Holotype (unique):

MNHN 0000-4638. Type catalog: Bertin 1940:250 [ref. [293](#)]. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

gillii, Acipenser (Huso) Duméril [A. H. A.] 1870:110, Pl. 15 (figs. 2, 2a-b) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Holotype (unique): MCZ (whereabouts unknown). Acipenseridae.

girardi, Acipenser (Huso) Duméril [A. H. A.] 1870:132 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Havre de Grace, Maryland, U.S.A. Holotype (unique): MCZ 100689 [tracking number] not found. •Synonym of *Acipenser oxyrinchus* Mitchill 1815 -- (Hilton et al. 2016:31 [ref. [35294](#)]). **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae. Habitat: freshwater, brackish, marine.

holbrookii, Acipenser (Huso) Duméril [A. H. A.] 1870:149 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Charleston, South Carolina, U.S.A. Holotype (unique): MCZ 8952. •Synonym of *Acipenser oxyrinchus* Mitchill 1815 -- (Hilton et al. 2016:31 [ref. [35294](#)]). **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae.

honneymani, Acipenser (Huso) Duméril [A. H. A.] 1870:177 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Nouvelle-Ecosse, Canada. Holotype (unique): MNHN 0000-4843. Type catalog: Bertin 1940:252 [ref. [293](#)]. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

huso, Acipenser Linnaeus [C.] 1758:238 [Systema Naturae, Ed. X v. 1; ref. [2787](#)] Danube and the rivers of Russia. No types known. •Valid as *Huso huso* (Linnaeus 1758) -- (Berg 1948:61 [ref. [12882](#)], Svetovidov 1973:84 [ref. [7169](#)], Svetovidov in Whitehead et al. 1984:225 [ref. [13675](#)], Lelek 1987:55 [ref. [22962](#)], Coad 1995:7 [ref. [23608](#)], Artyukhin 1995:7 [ref. [23782](#)], Sokolov & Tsepkin 1996:16 [ref. [24640](#)], Bemis et al. 1997:37 [ref. [22871](#)], Kottelat 1997:33 [ref. [22952](#)], Birstein & Bemis 2007:159 [ref. [29760](#)], Reshetnikov et al. 1997:726 [ref. [24702](#)], Sokolov 1998:23 [ref. [23571](#)], Coad 1998:102 [ref. [23869](#)], Pourkazemi et al. 2000:1 [ref. [25536](#)], Bogutskaya et al. 2001:42 [ref. [26178](#)], Bilecenoğlu et al. 2002:30 [ref. [26753](#)], Hanel 2003:46 [ref. [27894](#)], Bogutskaya & Naseka 2004:26 [ref. [28183](#)], Vassilev & Pehlivanov 2005:163 [ref. [28369](#)], Hanel & Lusk 2005:174 [ref. [28804](#)], Fricke et al. 2007:22 [ref. [29533](#)], Kottelat & Freyhof 2007:59 [ref. [29996](#)], Vasil'eva 2007:40 [ref. [30517](#)], Ninua & Japoshvili 2008:164 [ref. [31251](#)], Esmaeili et al. 2010:366 [ref. [33391](#)], Lipej & Dulčić 2010:17 [ref. [36649](#)], Hilton et al. 2011:136 [ref. [31407](#)], Jouladeh-Roudbar et al. 2015:859 [ref. [34062](#)], Barbieri et al. 2015:37 [ref. [35029](#)], Çiçek et al. 2015:143 [ref. [35151](#)], Nión et al. 2016:24 [ref. [35565](#)], Esmaeili et al. 2017:25 [ref. [35254](#)], Esmaeili et al. 2018:7 [ref. [36089](#)]). •Valid as *Acipenser huso* Linnaeus 1758 -- (Vasil'eva et al. 2009:865 [ref. [30626](#)], Parin et al. 2014:42 [ref. [33547](#)]). **Current status:** Valid as *Huso huso* (Linnaeus 1758). Acipenseridae. Distribution: Eastern Atlantic, Mediterranean Sea: Aegean, Black, Azov and Caspian seas and Sea of Marmara and adjacent watersheds. Introduced elsewhere. Habitat: freshwater, brackish, marine.

ichthyocolla, Acipenser Billberg [G. J.] 1833:52 [Linnéska Samfundets Handlingar v. 1 (for 1832); ref. [34146](#)] Danube and the rivers of Russia. No types known. Unnecessary replacement name for "*Huso* Linn." [should read *Acipenser huso* Linnaeus 1758]; see Kullander 2016:113 [ref. [34147](#)]. •Synonym of *Huso huso* (Linnaeus 1758)-- (Kullander 2016:113 [ref. [34147](#)]). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

ichthyocolla, Huso Bonaparte [C. L.] 1846:22 [Atti della Settima Adunanza degli Scienziati Italiani Sesta Riunione, Milano 7a Adunanza, Napoli, Part 2; ref. [519](#)] Unneeded new name for *Acipenser huso* Linnaeus 1758. •Synonym of *Huso huso* (Linnaeus 1758) -- (Svetovidov 1973:84 [ref. [7169](#)], Kottelat 1997:34 [ref. [22952](#)]). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

kennicottii, *Acipenser (Huso)* Duméril [A. H. A.] 1870:130, Pl. 15 (figs. 3, 3a, 3b) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] James River, Virginia, U.S.A. Holotype (unique): MCZ 8944. •Synonym of *Acipenser oxyrinchus* Mitchill 1815 -- (Hilton et al. 2016:31 [ref. [35294](#)]). **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae. Habitat: freshwater, brackish, marine.

kirtlandii, *Acipenser (Huso)* Duméril [A. H. A.] 1870:161 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Lake Erie, North America. Holotype (unique): MNHN 0000-3109 (mounted). Type catalog: Bertin 1940:252 [ref. [293](#)]. •Synonym of *Acipenser rubicundus* Lesueur 1818 -- (authors). •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. [24570](#)]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

lamarii, *Acipenser (Huso)* Duméril [A. H. A.] 1870:139 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Upper Mississippi River or Lake Erie, U.S.A. Holotype (unique): MNHN 0000-9115 (dry). Type catalog: Bertin 1940:251 [ref. [293](#)]. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. [24570](#)]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

lesueurii, *Acipenser (Huso)* Duméril [A. H. A.] (ex Valenciennes) 1870:166, Pl. 16 (figs. 1, 1a) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] New York, U.S.A. Holotype (unique): MNHN 0000-3489. Type catalog: Bertin 1940:252 [ref. [293](#)]. •Synonym of *Acipenser brevirostrum* Lesueur 1818 -- (Smith 1986:45 [ref. [22186](#)], Hilton et al. 2011:11 [ref. [31407](#)], Kynard et al. 2016:209 [ref. [35295](#)]). **Current status:** Synonym of *Acipenser brevirostrum* Lesueur 1818. Acipenseridae. Habitat: freshwater, brackish, marine.

macrorhinus, *Acipenser (Huso)* Duméril [A. H. A.] 1870:133 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] New York, U.S.A. Holotype (unique): MNHN 0000-9114. Type catalog: Bertin 1940:251 [ref. [293](#)]. •Synonym of *Acipenser oxyrinchus* Mitchill 1815 -- (Smith 1986:49 [ref. [22186](#)] as *oxyrhynchus*, Hilton et al. 2016:31 [ref. [35294](#)]). **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae. Habitat: freshwater, brackish, marine.

maeoticus, *Acipenser* Sal'nikov [N. I.] & Malyatskii [S. M.] 1934:44 [Trudy Nauchnoi rybokhozyaistvennoi biologicheskoi stantii Gruzii [Travaux de la Station piscicole et biologique de Géorgie] v. 1 (no. 1); ref. [21745](#)] Sea of Azov. No types known. •Synonym of *Huso huso* (Linnaeus 1758) -- (Berg 1948:61 [ref. [12882](#)], Kottelat 1997:34 [ref. [22952](#)], Birstein & Bemis 1997:159 [ref. [29760](#)], see Sokolov 1998:23 [ref. [23571](#)]). •Synonym of *Huso huso* (Linnaeus 1758), but a valid subspecies as described -- (Lelek 1987:55 [ref. [22962](#)]). •Synonym of *Acipenser huso* Linnaeus 1758 -- (Parin et al. 2014:42 [ref. [33547](#)]). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

mantschuricus, *Acipenser* Basilewsky [S.] 1855:235 [Nouveaux mémoires de la Société impériale des naturalistes de Moscou v. 10; ref. [200](#)] Amur River [China]. No types at ZIN. •Synonym of *Huso dauricus* (Georgi 1775) -- (Bogutskaya et al. 2008:313 [ref. [30085](#)], Dylidin & Orlov 2016:546 [ref. [34656](#)]). **Current status:** Synonym of *Huso dauricus* (Georgi 1775). Acipenseridae. Habitat: freshwater, brackish, marine.

megalaspis, *Acipenser (Huso)* Duméril [A. H. A.] 1870:135 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Lake Champlain at Burlington, Vermont, U.S.A. Holotype (unique) (?): MCZ 8953. This name was misspelled as *megalepis* in earlier versions of the Catalog of Fishes. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Smith 1986:47 [ref. [22186](#)], Scott & Crossman 1998:89 [ref. [24570](#)]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

microrhynchus, *Acipenser (Huso)* Duméril [A. H. A.] 1870:164 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Port of New York, New York, U.S.A. Holotype (unique): MCZ

(whereabouts unknown). •Synonym of *Acipenser brevirostrum* Lesueur 1818 -- (Smith 1986:45 [ref. [22186](#)], Hilton et al. 2011:11 [ref. [31407](#)], Kynard et al. 2016:209 [ref. [35295](#)]). **Current status:** Synonym of *Acipenser brevirostrum* Lesueur 1818. Acipenseridae. Habitat: freshwater, brackish, marine.

milberti, Acipenser (Huso) Duméril [A. H. A.] 1870:137 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] New York, U.S.A. Syntypes: MNHN 0000-3113 (1, mounted), 0000-3494 (1, mounted). Type catalog: Bertin 1940:251 [ref. [293](#)]. •Synonym of *Acipenser oxyrinchus* Mitchill 1815 -- (Smith 1986:49 [ref. [22186](#)] as *oxyrhynchus*, Hilton et al. 2016:31 [ref. [35294](#)]). •Synonym of *Acipenser sturio* Linnaeus 1758 -- (authors). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

mitchillii, Acipenser (Huso) Duméril [A. H. A.] 1870:116 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] New York, U.S.A. Holotype (unique): MNHN 0000-4578. Type catalog: Bertin 1940:250 [ref. [293](#)]. •Synonym of *Acipenser oxyrinchus* Mitchill 1815 -- (Smith 1986:48 [ref. [22186](#)] as *oxyrhynchus*, Hilton et al. 2016:31 [ref. [35294](#)]). **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae. Habitat: freshwater, brackish, marine.

nehelae, Acipenser (Huso) Duméril [A. H. A.] 1870:100, Pl. 20 (figs. 6, 6a) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Russia. Holotype (unique): MNHN 0000-4637. Type catalog: Bertin 1940:250 [ref. [293](#)]. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

nertinianus, Acipenser (Huso) Duméril [A. H. A.] 1870:162 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Homer, Michigan, U.S.A. Holotype (unique): MCZ 24032. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

occidentalis, Huso huso ponticus natio Sal'nikov [N. I.] & Malyatskii [S. M.] 1934:44 [Trudy Nauchnoi rybokhozyaistvennoi biologicheskoi stantii Gruzii [Travaux de la Station piscicole et biologique de Géorgie] v. 1 (no. 1); ref. [21745](#)] Not available, infrasubspecific; from w. part of the Black Sea. •In the synonymy of *Huso huso* (Linnaeus 1758) -- (Berg 1948:61 [ref. [12882](#)], Kottelat 1997:34 [ref. [22952](#)]). •Valid as *Acipenser huso* Linnaeus 1758 -- (Parin et al. 2014:42 [ref. [33547](#)]). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae.

orientalis, Acipenser Pallas [P. S.] 1814:107 [Zoographia Rosso-Asiatica v. 3; ref. [3351](#)] Amur River, Schilkam and Argunum, along Pacific. No types known. •Synonym of *Acipenser dauricus* George 1775 -- (Parin et al. 2014:41 [ref. [33547](#)]). •Synonym of *Huso dauricus* (Georgi 1775) -- (Berg 1948:58 [ref. [12882](#)], Bogutskaya & Naseka 1996:11 [ref. [22798](#)], Sokolov 1998:23 [ref. [23571](#)], Bogutskaya et al. 2008:313 [ref. [30085](#)], Dyldin & Orlov 2016:546 [ref. [34656](#)]). **Current status:** Synonym of *Huso dauricus* (Georgi 1775). Acipenseridae. Habitat: freshwater, brackish, marine.

orientalis, Huso huso Lelek [A.] 1987:55 [The freshwater fishes of Europe. Threatened fishes of Europe v. 9; ref. [22962](#)] Black Sea. Validates a name that first appeared as an infrasubspecific name; see *Huso huso ponticus* natio *orientalis*. But subjectively invalid; secondarily preoccupied in *Huso* by *Acipenser orientalis* Pallas 1814. •Synonym of *Huso huso* (Linnaeus 1758) -- (Kottelat 1997:34 [ref. [22952](#)]). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

orientalis, Huso huso ponticus natio Sal'nikov [N. I.] & Malyatskii [S. M.] 1934:44 [Trudy Nauchnoi rybokhozyaistvennoi biologicheskoi stantii Gruzii [Travaux de la Station piscicole et biologique de Géorgie] v. 1 (no. 1); ref. [21745](#)] Not available, infrasubspecific; from the Black Sea. •In the synonymy of *Huso huso* (Linnaeus 1758) -- (Berg 1948:61 [ref. [12882](#)], Kottelat 1997:34 [ref. [22952](#)]). •Treated as available from Lelek 1987:55 [ref. [22962](#)] by reference to above. •In the synonymy of

Acipenser huso Linnaeus 1758 -- (Parin et al. 2014:42 [ref. [33547](#)] not available). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae.

paranasimos, *Acipenser (Huso)* Duméril [A. H. A.] 1870:124 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Huntsville, Alabama, U.S.A. Holotype (unique): MCZ 8948. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Boschung & Mayden 2004:102 [ref. [27995](#)]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

platyrhinus, *Acipenser (Huso)* Duméril [A. H. A.] 1870:154 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Upper Mississippi River or Lake Erie, U.S.A. Holotype (unique): MNHN 0000-5007 (mounted). Type catalog: Bertin 1940:251 [ref. [293](#)]. •Synonym of *Acipenser rubicundus* Lesueur 1818 -- (authors). •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (authors). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

podapos, *Acipenser (Huso)* Duméril [A. H. A.] 1870:102 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Locality unknown [Europe]. Syntypes: MNHN 0000-4636 (2). Type catalog: Bertin 1940:250 [ref. [293](#)]. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)])). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

ponticus, *Acipenser stellatus* Movchan [Yu. V.] 1970:41 [Vestnik Zoologii v. 1970 (no. 2); ref. [895](#)] Northwestern Black Sea, including Danube and Dneiper rivers. Syntypes: (many) whereabouts unknown. •Synonym of *Huso huso* (Linnaeus 1758) -- (see Sokolov 1998:23 [ref. [23571](#)])). •Synonym of *Acipenser stellatus* Pallas 1771 -- (Parin et al. 2014:45 [ref. [33547](#)])). **Current status:** Synonym of *Acipenser stellatus* Pallas 1771. Acipenseridae. Habitat: freshwater, brackish, marine.

ponticus, *Huso huso* Sal'nikov [N. I.] & Malyatskii [S. M.] 1934:44 [Trudy Nauchnoi rybokhozyaistvennoi biologicheskoi stantii Gruzii [Travaux de la Station piscicole et biologique de Géorgie] v. 1 (no. 1); ref. [21745](#)] Black Sea. No types known. •Synonym of *Huso huso* (Linnaeus 1758) -- (Berg 1948:61 [ref. [12882](#)], Kottelat 1997:34 [ref. [22952](#)])). •Synonym of *Acipenser huso* Linnaeus 1758 -- (Parin et al. 2014:42 [ref. [33547](#)])). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

rafinesquii, *Acipenser (Huso)* Duméril [A. H. A.] 1870:143 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Ohio River, U.S.A. Holotype (unique): MCZ 8950. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

rauchii, *Acipenser (Huso)* Duméril [A. H. A.] 1870:118 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Osage River, Missouri, U.S.A. Holotype (unique): MCZ 8946. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

richardsonii, *Acipenser (Huso)* Duméril [A. H. A.] 1870:120 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Upper Mississippi River, U.S.A. Holotype (unique): MNHN 0000-9113 (dry). Type catalog: Bertin 1940:250 [ref. [293](#)]. •Synonym of *Acipenser rubicundus* Lesueur 1818 -- (authors). •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (authors). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

rosarium, *Acipenser (Huso)* Duméril [A. H. A.] 1870:152, Pl. 17 (figs. 2, 2a) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Upper Mississippi River or Lake Erie, U.S.A. Holotype (unique): MNHN 0000-5009 (dry). Type catalog: Bertin 1940:251 [ref. [293](#)]. •Synonym of *Acipenser rubicundus* Lesueur 1818 -- (authors). •Synonym of *Acipenser fulvescens* Rafinesque

1817 -- (Scott & Crossman 1998:89 [ref. [24570](#)]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

rostellum, Acipenser (Huso) Duméril [A. H. A.] 1870:173, Pl. 16 (figs. 3, 3a) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Probably New York, U.S.A. Holotype (unique): MNHN 0000-3490. Type catalog: Bertin 1940:252 [ref. [293](#)]. •Synonym of *Acipenser brevirostrum* Lesueur 1818 -- (Smith 1986:45 [ref. [22186](#)], Hilton et al. 2011:11 [ref. [31407](#)], Kynard et al. 2016:209 [ref. [35295](#)]). **Current status:** Synonym of *Acipenser brevirostrum* Lesueur 1818. Acipenseridae. Habitat: freshwater, brackish, marine.

schypa, Acipenser Bonnaterre [J. P.] (ex Güldenstädt) 1788:16 [Tableau encyclopédique et méthodique des trois règnes de la nature... Ichthyologie; ref. [4940](#)] 'La mer du Nord' (erroneous, is probably Caspian Sea). Neotype: NRM 8946. Neotype designated (NRM 8946) by Kottelat 1997:34 [ref. [22952](#)] is invalid, as the neotype is a specimen of *Huso huso* (Linnaeus 1758), but Bonnaterre's *Acipenser schypa* was exclusively based on *Acipenser schypa* Güldenstädt 1772:516 [ref. [5066](#)], which is in the synonymy of *Acipenser nudiventris* Lovetsky 1828 according to Kottelat 1997:31 [ref. [22952](#)]; therefore ICZN Art. 75.3.5 is not met. Name not considered as valid after 1899; therefore reversal of priority in favor of *Acipenser nudiventris* Lovetsky 1828 is followed (Art. 23.9). •Synonym of *Huso huso* (Linnaeus 1758) -- (Kottelat 1997:34 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser nudiventris* Lovetsky 1828. Acipenseridae. Habitat: freshwater, brackish, marine.

schypa, Acipenser Gmelin [J. F.] 1789:1484 [Caroli a Linné ... Systema Naturae per regna tria naturae v. 1 (pt 3); ref. [18139](#)] Turkey, Bosphore or Sea of Marmara (Mediterranean Sea). Neotype: NRM 8946. Neotype designated by Kottelat 1997:34 [ref. [22952](#)]. Based in part on *Acipenser schypa* Güldenstädt 1772:516 [ref. [5066](#)], and on *Acipenser kostera* of Gmelin 1774:238 [ref. 18140, v. 3]. Objectively invalid; preoccupied by *Acipenser schypa* Bonnaterre 1788. •Synonym of *Huso huso* (Linnaeus 1758) -- (Kottelat 1997:34 [ref. [22952](#)]). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

shyp, Acipenser Forster [J. R.] 1767:353 [Philosophical Transactions of the Royal Society of London v. 57 (art. 33); ref. [18088](#)] Turkey, Bosphore or Sea of Marmara (Mediterranean Sea). Neotype: NRM 8946. Originally described from Volga River, Russia. Neotype designated by Kottelat 1997:34 [ref. [22952](#)]. •Synonym of *Huso huso* (Linnaeus 1758) -- (Kottelat 1997:34 [ref. [22952](#)]). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

simus, Acipenser (Huso) Duméril [A. H. A.] (ex Valenciennes) 1870:175, Pl. 16 (figs. 2, 2a) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] North America. Holotype (unique): MNHN 0000-3491. Type catalog: Bertin 1940:252 [ref. [293](#)]. •Synonym of *Acipenser brevirostrum* Lesueur 1818 -- (Smith 1986:45 [ref. [22186](#)], Hilton et al. 2011:11 [ref. [31407](#)] as Valenciennes in Duméril, Kynard et al. 2016:209 [ref. [35295](#)]). **Current status:** Synonym of *Acipenser brevirostrum* Lesueur 1818. Acipenseridae. Habitat: freshwater, brackish, marine.

storeri, Acipenser (Huso) Duméril [A. H. A.] 1870:147 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Boston, Massachusetts, U.S.A. Holotype (unique): MCZ 8931. •Synonym of *Acipenser oxyrinchus* Mitchill 1815 -- (Hilton et al. 2016:31 [ref. [35294](#)]). **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae.

valenciennii, Acipenser (Huso) Duméril [A. H. A.] 1870:180 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. [1147](#)] Questionably Seine River; Sables d'Olonne, Vendée. Syntypes: MNHN 0000-3115 (1, dry) Seine R.; MNHN 0000-3573 (1, dry) Sables d'Olonne. Type catalog: Bertin 1940:252-253 [ref. [293](#)]. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

vallisnerii, Acipenser Molin [R.] 1853:366, 371 [Rivista Periodica dei Lavori della I. R. Accademia di Scienze, Lettere ed Arti di Padova v. 1; ref. [17782](#)] Po River, Italy. •Synonym of *Huso huso* (Linnaeus 1758) -- (Svetovidov 1973:84 [ref. [7169](#)], Kottelat 1997:34 [ref. [22952](#)]). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

PSEUDOSCAPHIRHYNCHUS FEDTSCHENKOI

Species that contain: *Pseudoscaphirhynchus* and *fedtschenkoi* (including unavailable names) [4] records

brevirostris*, *Pseudoscaphirhynchus fedtschenkoi forma Berg [L. S.] 1905:37 [Izviestii Turkestanskago otdiela Russkago geograficheskago obschestva v. 4; ref. [15338](#)] Syr Darya River, Kazakhstan. Syntypes: ZIN 4528 (1 of 3, 300 mm), 11745 (2). Misspelled *brevirosis* and *brevirtis* in text, *brevirostris* correct. Regarded as infrasubspecific and unavailable from above; subsequent use not researched. Acipenseridae.

fedtschenkoi*, *Scaphirhynchus Kessler [K. F.] 1872:70 [26], Pl. 12 (figs. 36-41) [Izvestiia Imperatorskago Obschestva Liubitelei Estestvozaniiia, Antropologii i Etnografii v. 10 (no. 1); ref. [14134](#)] Syr Darya River near Chinaz, Kazakhstan. Syntypes: (12) ZMMU P-640 (2); none found at ZIN. Type catalog: Svetovidova 1978:256 [ref. [9011](#)], Vasil'eva et al. 2001:15 [ref. [25714](#)]. On p. 26 of separate. Also in Kessler 1873:269 [ref. [18386](#)] and in Kessler 1874:109 [ref. [18387](#)]. •Valid as *Pseudoscaphirhynchus fedtschenkoi* (Kessler 1872) -- (Berg 1948:108 [ref. [12882](#)], Mitrofanov et al. 1986:162 [ref. [35970](#)], Bemis et al. 1997:37 [ref. [22871](#)], Hilton et al. 2011:136 [ref. [31407](#)]). **Current status:** Valid as *Pseudoscaphirhynchus fedtschenkoi* (Kessler 1872). Acipenseridae. Distribution: Eastern Europe. Habitat: freshwater, brackish.

intermedia*, *Pseudoscaphirhynchus fedtschenkoi forma Berg [L. S.] 1905:37 [Izviestii Turkestanskago otdiela Russkago geograficheskago obschestva v. 4; ref. [15338](#)] Syr Darya River, Kazakhstan. Syntypes: ZIN 4528 (1, 276 mm of 3), 11944 (1). Not available, regarded as infrasubspecific. Acipenseridae.

longirostris*, *Pseudoscaphirhynchus fedtschenkoi forma Berg [L. S.] 1905:37 [Izviestii Turkestanskago otdiela Russkago geograficheskago obschestva v. 4; ref. [15338](#)] Syr Darya River, Kazakhstan. Syntypes: ZIN 4528 (1, 225 mm), 11746 (1). Not available, regarded as infrasubspecific. Acipenseridae.

PSEUDOSCAPHIRHYNCHUS HERMANNI

Species that contain: *Pseudoscaphirhynchus* and *hermanni* (including unavailable names) [2] records

hermanni*, *Scaphirhynchus Kessler [K. F.] (ex Severtzov) 1877:190, Pl. 8 (fig. 25, 25a-b) [The Aralo-Caspian Expedition; ref. [2597](#)] Amu Darya River, Turkmenistan or Uzbekistan. Syntypes: ZIN 3690 (4). •Valid as *Pseudoscaphirhynchus hermanni* (Kessler 1877) -- (Berg 1948:105 [ref. [12882](#)], Coad 1981:8 [ref. [22348](#)], Salnikov et al. 1996:10 [ref. [22563](#)], Maiden & Kuhajda 1996:261 [ref. [22395](#)], Bemis et al. 1997:37 [ref. [22871](#)], Hilton et al. 2011:136 [ref. [31407](#)]). **Current status:** Valid as *Pseudoscaphirhynchus hermanni* (Kessler 1877). Acipenseridae. Distribution: Eastern Europe. Habitat: freshwater, brackish.

rossikowi, *Pseudoscaphirhynchus* Nikolskii [A. M.] 1900:258 [Ezhegodnik, Zoologicheskogo Muzeya, Sankt-Petersburg v. 5; ref. [3202](#)] Lower Amu Darya, Uzbekistan. Holotype (unique): ZIN 11526. •Synonym of *Pseudoscaphirhynchus hermanni* (Kessler 1877) -- (Berg 1948:105 [ref. [12882](#)]). **Current status:** Synonym of *Pseudoscaphirhynchus hermanni* (Kessler 1877). Acipenseridae. Habitat: freshwater, brackish.

PSEUDOSCAPHIRHYNCHUS KAUFMANNI

Species that contain: *Pseudoscaphirhynchus* and *kaufmanni* (including unavailable names) [**1**]
records

kaufmanni, *Scaphirhynchus* Kessler [K. F.] (ex Bogdanov) 1877:194 [The Aralo-Caspian Expedition; ref. [2597](#)] Lower Amu-Darya River, Uzbekistan. Syntypes: ZIN 2707 (1, lost), ZMMU P-1456 (1). Type catalog: Svetovidova 1978:256 [ref. [9011](#)], Vasil'eva et al. 2001:15 [ref. [25714](#)]. Appeared first in Bogdanov 1874:XLVII [ref. [19624](#)] with no distinguishing features. •Valid as *Pseudoscaphirhynchus kaufmanni* (Kessler 1877) -- (Berg 1948:104 [ref. [12882](#)], Coad 1981:8 [ref. [22348](#)], Salnikov et al. 1996:10 [ref. [22563](#)], Mayden & Kuhajda 1996:261 [ref. [22395](#)], Bemis et al. 1997:37 [ref. [22871](#)], Hilton et al. 2011:136 [ref. [31407](#)]). **Current status:** Valid as *Pseudoscaphirhynchus kaufmanni* (Kessler 1877). Acipenseridae. Distribution: Eastern Europe. Habitat: freshwater, brackish.

ANGUILLIDAE

ANGUILLA ANGUILLA

Species that contain: *Anguilla* and *anguilla* (including unavailable names) [**169**] **records**

acerine, *Muraena anguilla* var. Schneider [J. G.] in Bloch & Schneider 1801:560 [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] No locality. No types known. Based on "Acerine" (variety of *Muraena anguilla* Linnaeus 1758) of Lacepède 1800:261 [ref. [2709](#)]. •Synonym of *Anguilla anguilla* (Linnaeus 1758). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

acuminata, *Anguilla (Ophisurus)* Swainson [W.] 1839:334 [The natural history and classification v. 2; ref. [4303](#)] Estuaries near Calcutta, India. Based on Gray, Ind. Zool. i. pl. 91. fig. 2 -- which is Gray 1832:Pl. 91 (fig. 2) [ref. [1878](#)]. •Synonym of *Pisodonophis boro* (Hamilton 1822) -- (Kottelat 2013:47 [ref. [32989](#)]). **Current status:** Synonym of *Pisodonophis boro* (Hamilton 1822). Ophichthidae: Ophichthinae. Habitat: marine.

acutirostris, *Anguilla* Risso [A.] 1827:198 [Histoire naturelle des principales productions de l'Europe méridionale v. 3; ref. [3757](#)] Nice, France, northwestern Mediterranean Sea. Holotype (unique): MNHN (not found). Type catalog: Bauchot et al. 1993:124 [ref. [20810](#)]. •Synonym of *Anguilla anguilla*

(Linnaeus 1758) -- (Blache et al. 1973:220 [ref. [7185](#)], Castle 1984:34 [ref. [6171](#)], Smith 1990:151 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

aegyptiaca, *Anguilla* Kaup [J. J.] 1856:40 [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Nile River, Egypt. Syntypes: MNHN 0000-3772 (1), 0000-3773 (1). Type catalog: Bauchot et al. 1993:93 [ref. [20810](#)]. Appeared first as name only in Kaup 1856:55 [ref. [2572](#)]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Castle 1984:34 [ref. [6171](#)], Smith 1990:152 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Lévêque et al. 1991:133 [ref. [31367](#)], Bauchot et al. 1993:93 [ref. [20810](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

altirostris, *Anguilla* Kaup [J. J.] 1856:37, Pl. 4 (fig. 24) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Mouth of Seine River, France, La Manche/English Channel, north-eastern Atlantic. Holotype (unique): MNHN 0000-3768. Type catalog: Bauchot et al. 1993:93 [ref. [20810](#)]. Appeared first as name only in Kaup 1856:55 [ref. [2572](#)]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Smith 1990:151 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

amblodon, *Anguilla* Günther [A.] in Playfair & Günther 1867:125, Fig. [The fishes of Zanzibar; ref. [3490](#)] Seychelles. Holotype (unique): BMNH 1867.3.9.422 (stuffed). •Synonym of *Anguilla bicolor* McClelland 1844 -- (Ege 1939:151 [ref. [13172](#)], Castle 1984:36 [ref. [6171](#)], Kottelat 2013:37 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla bicolor* McClelland 1844. Anguillidae. Habitat: freshwater, brackish, marine.

amboinensis, *Anguilla* Peters [W. (C. H.)] 1866:523 [Monatsberichte der Königlich Preussischen Akademie der Wissenschaften zu Berlin 1866; ref. [3439](#)] Ambon Island, Molucca Islands, Indonesia. Holotype: ZMB 6178. •Synonym of *Anguilla celebesensis* Kaup 1856 -- (Ege 1939:10 [ref. [13172](#)], Watanabe et al. 2009:388 [ref. [30611](#)], Kottelat 2013:38 [ref. [32989](#)] dated 1857). **Current status:** Synonym of *Anguilla celebesensis* Kaup 1856. Anguillidae. Habitat: freshwater, brackish, marine.

anacamptoentera, *Anguilla* Balsamo-Crivelli [G. G.] & Maggi [L.] 1872:229, Pl. [Memorie del Reale Istituto Lombardo di Scienze e Lettere, Classe di Scienze Matematiche e Naturali (Ser. 3) v. 3; ref. [15763](#)] Italy. Anguillidae. Habitat: freshwater, brackish, marine.

ancestralis, *Anguilla* Ege [V.] 1939:36, Pl. 4 (fig. 1) [Dana Report No. 16; ref. [13172](#)] Paigar River near Manado, Sulawesi, Indonesia. Syntypes: (158 elvers) ZMUC P31251-62 (12). Type catalog: Nielsen 1974:52 [ref. [9588](#)]. •Valid as *Anguilla celebesensis* Kaup 1856 -- (Kottelat 2013:38 [ref. [32989](#)] dated 1857). **Current status:** Synonym of *Anguilla celebesensis* Kaup 1856. Anguillidae. Habitat: freshwater.

ancidda, *Anguilla* Kaup [J. J.] 1856:37, Pl. 4 (fig. 22) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Sicily and Pergamont, Italy. Syntypes: MNHN 0000-3767 (1), 0000-3780 (1). Type catalog: Bauchot et al. 1993:93 [ref. [20810](#)]. Appeared first as name only in Kaup 1856:55 [ref. [2572](#)]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Smith 1990:151 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

aneitensis, *Anguilla* Günther [A.] 1870:34, Fig. [Catalogue of the fishes in the British Museum v. 8; ref. [1995](#)] Aneityum [Anatom] Island, Vanuatu. Holotype (unique): BMNH 1855.8.16.52. •In part a synonym of *Anguilla megastoma* Kaup 1856 -- (Ege 1939:10 [ref. [13172](#)]). **Current status:** Synonym of *Anguilla megastoma* Kaup 1856. Anguillidae. Habitat: freshwater, brackish, marine.

anguilla, *Glanapteryx* Myers [G. S.] 1927:129 [Bulletin of the Museum of Comparative Zoology v. 68 (no. 3); ref. [3096](#)] Rapids of São Gabriel, Rio Negro system, Brazil. Holotype (unique): CAS 56048 [ex IU 17700]. Type catalog: Ferraris 2007:404 [ref. [29155](#)]. •Valid as *Glanapteryx anguilla* Myers 1927 -- (Burgess 1989:325 [ref. [12860](#)], Nico & de Pinna 1996:27 [ref. [22300](#)], Pinna 1998:35 [ref. [23575](#)], de Pinna & Wosiacki 2002:721 [ref. [26545](#)], de Pinna & Wosiacki in Reis et al. 2003:273 [ref. [27061](#)], Proudlove 2006:269 [ref. [28992](#)], Ferraris 2007:404 [ref. [29155](#)], de Pinna & Kirovsky 2011:493 [ref. [31517](#)]). **Current status:** Valid as *Glanapteryx anguilla* Myers 1927. Trichomycteridae: Glanapteryginae. Distribution: Negro and Orinoco River basins: Brazil and Venezuela. Habitat: freshwater.

anguilla, *Ictalurus* Evermann [B. W.] & Kendall [W. C.] 1898:125, Pl. 6 (fig. 1) [Bulletin of the U. S. Fish Commission v. 17 (art. 5) (for 1897); ref. [1281](#)] Atchafalaya River, above Morgan City [= Morganza], Pointe Coupee Parish, Louisiana, U.S.A. Holotype: USNM 48788. Paratypes: CAS-SU 5772 (1, missing in 1995); USNM 48787 (1), 48789 (1), 61236 [ex USFC 1078] (1), 61240 [ex USFC 1079] (1). Type catalog: Ferraris & Vari 1992:18 [ref. [19771](#)], Gilbert 1998:207-208 [ref. [23395](#)], Ferraris 2007:210 [ref. [29155](#)]. •Synonym of *Ictalurus punctatus* (Rafinesque 1818) -- (Gilbert 1998:208 [ref. [23395](#)], Ferraris 2007:210 [ref. [29155](#)]). **Current status:** Synonym of *Ictalurus punctatus* (Rafinesque 1818). Ictaluridae. Habitat: freshwater.

anguilla, *Muraena* Linnaeus [C.] 1758:245 [Systema Naturae, Ed. X v. 1; ref. [2787](#)] Europe, Mediterranean Sea, Baltic Sea, northeastern Atlantic [original: "in Europa; maxima in lacu Cornachio Ferrariensi"]; localities include Sweden; England; Belgium; Germany; Poland; France; Ferrara and Rome, Italy; Lesbos Island, Greece; Syria. No types known. Originally spelled *angvilla*, also *angvilla* in Linnaeus 1766:426 [ref. [2786](#)]. Neotype designated by Fricke 1999:19 [ref. [24101](#)], but withdrawn in Fricke 2000:639 [ref. [24537](#)]. Originally based on at least 34 pre-Linnaean sources including Artedi 1738:24 [ref. [30578](#)], Artedi 1738:66 [ref. [30529](#)] and Artedi 1738:39 [ref. [30349](#)] as *Muræna unicolor, maxilla inferiore longiore*; Wootton 1552:148 [ref. [30584](#)] as *Anguilla*, Rondelet 1555:198 [ref. [30378](#)] as *Anguilla*, Salviani 1558:65, Pls. (p. 64, 66) [ref. [30229](#)] as *Anguilla*, Charleton 1668:153 [ref. [30580](#)] as *Anguilla*, Willughby 1686:109 [ref. [30164](#)] and Ray 1713:37 [ref. [30231](#)] as *Anguilla*. •Valid as *Anguilla anguilla* (Linnaeus 1758) -- (Ege 1939:90 [ref. [13172](#)], Berg 1949:938 [ref. [20662](#)], Blache et al. 1973:220 [ref. [7185](#)], Dor 1984:26 [ref. [29757](#)], Castle 1984:34 [ref. [6171](#)], Bauchot in Whitehead et al. 1986:535 [ref. [13676](#)], Okamura & Machida 1987:111 [ref. [22279](#)], Lelek 1987:63 [ref. [22962](#)], Scott & Scott 1988:79 [ref. [25518](#)], McAllister 1990:46 [ref. [14674](#)], Smith 1989:899 [ref. [13285](#)], Smith 1990:151 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Lévêque et al. 1991:133 [ref. [31367](#)], Poll & Gosse 1995:83 [ref. [24781](#)], Goren & Dor 1994:6 [ref. [25356](#)], Coad 1995:7 [ref. [23608](#)], Mrakovcic et al. 1995:183 [ref. [23079](#)], Aoyama et al. 1996:374 [ref. [24707](#)], Chereshnev 1996:599 [ref. [24659](#)], Coad 1996:84 [ref. [25304](#)], Tagliavini et al. 1996:271 [ref. [25516](#)], Bianco et al. 1996:55 [ref. [26724](#)], Kottelat 1997:34 [ref. [22952](#)], Santos et al. 1997:18 [ref. [23531](#)], Arruda 1997:54 [ref. [24952](#)], Reshetnikov et al. 1997:734 [ref. [24702](#)], Bianco 1997:612 [ref. [26725](#)], Reshetnikov 1998:54 [ref. [23570](#)], Scott & Crossman 1998:624 [ref. [24570](#)], Smith-Vaniz et al. 1999:128 [ref. [25013](#)], Fricke 1999:18 [ref. [24101](#)], Fuller et al. 1999:36 [ref. [25838](#)], Azeroual et al. 2000:20 [ref. [25366](#)], Huang et al. 2001:42 [ref. [25846](#)], Bogutskaya et al. 2001:43 [ref. [26178](#)], Bianco & Ketmaier 2001:194 [ref. [26728](#)], Bilecenoğlu et al. 2002:30 [ref. [26753](#)], Dekker 2003:787 [ref. [27171](#)], Hanel 2003:48 [ref. [27894](#)], Seegers et al. 2003:30 [ref. [28087](#)], Bogutskaya & Naseka 2004:28 [ref. [28183](#)], Vassilev & Pehlivanov 2005:174 [ref. [28369](#)], Hanel & Lusk 2005:182 [ref. [28804](#)], Fricke 2007:25 [ref. [30577](#)], Fricke et al. 2007:22 [ref. [29533](#)], Kottelat & Freyhof 2007:61 [ref. [29996](#)], Vasil'eva 2007:41 [ref. [30517](#)], Ninua & Japoshvili 2008:164 [ref. [31251](#)], Teng et al. 2009:817 [ref. [30569](#)], Esmaeili et al. 2010:366 [ref. [33391](#)], Golani & Bogorodsky 2010:58 [ref. [35264](#)], Lipej & Dulčić 2010:17 [ref. [36649](#)], Mecklenburg et al. 2011:117 [ref. [31212](#)], Page & Burr 2011:146 [ref. [31215](#)], Parin et al. 2014:47 [ref. [33547](#)], Jouladeh-Roudbar et al. 2015:859 [ref. [34062](#)], Barbieri et al. 2015:38 [ref. [35029](#)], Çiçek et al. 2015:143 [ref. [35151](#)], Smith 2016:1605 [ref. [34556](#)], Neumann et al. 2016:303 [ref. [35036](#)], Esmaeili et al. 2017:27 [ref. [35254](#)], Esmaeili et al. 2018:8 [ref. [36089](#)], Martins & Carneiro 2018:23 [ref. [36550](#)], Artüz & Fricke 2019:553 [ref. [36612](#)], Elbaraasi et al. 2019:92 [ref. [36864](#)]). **Current status:** Valid as *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Distribution: Western and eastern Atlantic, Baltic Sea, North Sea, White Sea, Mediterranean Sea, Sea of Marmara, Black Sea: European seas and adjacent watersheds, spawning and

larval migration routes to and from the western Atlantic. Introduced in the Caspian Sea basin. Habitat: freshwater, brackish, marine.

anguilla, *Nemacheilus* Annandale [N.] 1919:127, Pls. 1 (fig. 3), 3 (fig. 1) [Records of the Indian Museum (Calcutta) v. 16 (pt 1); ref. [15202](#)] Yenna River at Medha, Satara District, Maharashtra (Mumbai Presidency), India. Holotype: ZSI, Kolkatta, F9692/1. Paratypes: ZSI uncat. (2). Type catalog: Menon & Yazdani 1968:121 [ref. [20743](#)], Menon 1987:156 [ref. [14149](#)]. Original genus is correctly *Nemacheilus*. See Das 2003:363 [ref. [27706](#)]. •Valid as *Nemacheilus anguilla* Annandale 1919 -- (Menon 1987:154 [ref. [14149](#)] as *Noemacheilus*, Talwar & Jhingran 1991:469 [ref. [20764](#)], Bănărescu & Nalbant 1995:435 [ref. [23187](#)], Menon 1999:183 [ref. [24904](#)] as *Noemacheilus*, Yadav 2000:41 [ref. [25661](#)], Yadav 2003:16 [ref. [27711](#)], Arunachalam & Muralidharan 2007:2724 [ref. [29138](#)], Arunachalam & Muralidharan 2009:148 [ref. [30462](#)], Bleher 2018:160 [ref. [36647](#)]). •Valid as '*Nemacheilus*' *anguilla* Annandale 1919 -- (Kottelat 2012:90 [ref. [32367](#)]). **Current status:** Valid as *Nemacheilus anguilla* Annandale 1919. Nemacheilidae. Distribution: Western Ghats, Maharashtra and Karnataka, India. Habitat: freshwater.

anguillaris, *Tribranchus* Peters [W. (C. H.)] in Müller 1846:193, footnote [Abhandlungen der Königlichen Akademie der Wissenschaften zu Berlin for 1844; ref. [13283](#)] Perhaps available, very brief description in footnote. •Synonym of *Anguilla mossambica* (Peters 1852) -- (Ege 1939:90 [ref. [13172](#)]). •Name only, not available -- (Castle 1984:36 [ref. [6171](#)]). **Current status:** Synonym of *Anguilla mossambica* (Peters 1852). Anguillidae. Habitat: freshwater, brackish, marine.

anguillechien, *Muraena anguilla* Schneider [J. G.] in Bloch & Schneider 1801:560 [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] No locality [Seine River, France]. No types known. Based on "Anguille chien" (variety of *Muraena anguilla* Linnaeus 1758) of Lacepède 1800:263 [ref. [2709](#)]. •Synonym of *Anguilla anguilla* (Linnaeus 1758). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

angustidens, *Anguilla* Kaup [J. J.] 1846:49, Pl. 7 (fig. 39) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] No locality. Holotype (unique): MNHN B-3153. Type catalog: Bauchot et al. 1993:93 [ref. [20810](#)]. Appeared first as name only in Kaup 1856:56 [ref. [2572](#)]. •Synonym of *Anguilla japonica* Temminck & Schlegel 1846 -- (Kottelat 2013:38 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla japonica* Temminck & Schlegel 1846. Anguillidae. Habitat: freshwater, brackish, marine.

argentea, *Muraena* Lesueur [C. A.] 1817:82 [Journal of the Academy of Natural Sciences, Philadelphia v. 1 (pt 1, no. 5) (19 Aug.); ref. [17509](#)] Boston Harbor, Massachusetts, U.S.A. No types known. •Synonym of *Anguilla rostrata* (Lesueur 1817) -- (Ege 1939:89 [ref. [13172](#)], Smith 1989:34 [ref. [13285](#)], Scott & Crossman 1998:628 [ref. [24570](#)], Ferraris in Reis et al. 2003:33 [ref. [27061](#)]). **Current status:** Synonym of *Anguilla rostrata* (Lesueur 1817). Anguillidae. Habitat: freshwater, brackish, marine.

arracana, *Anguilla* McClelland [J.] 1844:178, 202, 209, Pl. 6 (fig. 2) [Calcutta Journal of Natural History v. 5 (no. 18); ref. [2928](#)] Sandoway, Malaysia. Syntypes: SMF 768 (2). •Questionably a synonym of *Anguilla nebulosa* McClelland 1844 -- (Ege 1939:36 [ref. [13172](#)]). •Synonym of *Anguilla bengalensis* (Gray 1831) -- (Menon 1999:5 [ref. [24904](#)], Kottelat 2013:37 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla bengalensis* (Gray 1831). Anguillidae. Habitat: freshwater, brackish, marine.

aterrima, *Anguilla* Rafinesque [C. S.] 1820:245 [Western Revue and Miscellaneous Magazine: a monthly publ., devoted to literature and science, Lexington, KY v. 3 (no. 4); ref. [5088](#)] Tennessee River, Cumberland River, etc., U.S.A. No types known. Also in Rafinesque 1820:78 [ref. [3592](#)]. •Synonym of *Anguilla rostrata* (Lesueur 1817) -- (Ege 1939:89 [ref. [13172](#)], Smith 1989:34 [ref. [13285](#)], Ferraris in Reis et al. 2003:33 [ref. [27061](#)]). **Current status:** Synonym of *Anguilla rostrata* (Lesueur 1817). Anguillidae. Habitat: freshwater, brackish, marine.

aucklandii, *Anguilla* Richardson [J.] 1848:113, Pl. 45 (figs. 7-13) [Ichthyology of the voyage of H. M. S. Erebus & Terror v. 2 (2); ref. [3740](#)] Auckland Islands, New Zealand. Syntypes: BMNH 1848.3.18.230-231 (?). •Synonym of *Anguilla dieffenbachii* Gray 1842 -- (Ege 1939:90 [ref. [13172](#)] as *dieffenbachi*). **Current status:** Synonym of *Anguilla dieffenbachii* Gray 1842. Anguillidae. Habitat: freshwater, brackish, marine.

australis, *Anguilla* Richardson [J.] 1841:22 [Proceedings of the Zoological Society of London 1841 (pt 9); ref. [18626](#)] Port Arthur, Tasmania, Australia; Auckland Island Southern Ocean. Holotype (unique): BMNH 1848.3.18.236. Also described in Richardson 1844:157 [ref. [20295](#)]. •Valid as *Anguilla australis* subspecies *australis* Richardson 1841 -- (Hammer et al. 2012:63 [ref. [32389](#)]). •Valid as *Anguilla australis* Richardson 1841 -- (Ege 1939:152 [ref. [13172](#)], Cadwallader & Backhouse 1983:53 [ref. [25473](#)], Paxton et al. 1989:122 [ref. [12442](#)], Paulin et al. 1989:67 [ref. [24556](#)], Kuitert 1993:29 [ref. [23929](#)], Gomon et al. 1994:203 [ref. [22532](#)], Aoyama et al. 1996:374 [ref. [24707](#)], Beumer in McDowall 1996:39 [ref. [22909](#)], Chilcott & Humphries 1996:145 [ref. [25528](#)], McDowall et al. 1998:2 [ref. [23822](#)], Marquet & Mary 1999:31 [ref. [23933](#)], Smith 1999:1633 [ref. [24661](#)], Johnson 1999:721 [ref. [25471](#)], Fuller et al. 1999:37 [ref. [25838](#)], Hutchins 2001:16 [ref. [25847](#)], Allen et al. 2002:60 [ref. [25930](#)], Larson & Pidgeon 2004:196 [ref. [28107](#)], Hammer & Walker 2004:88 [ref. [28129](#)], Hoese & Gates 2006:236 [ref. [28997](#)], Gomon 2008:157 [ref. [30616](#)], Teng et al. 2009:817 [ref. [30569](#)], Fricke et al. 2011:348 [ref. [31242](#)], McDowall et al. 2015:221 [ref. [34232](#)], Kuitert 2018:11 [ref. [36369](#)]). **Current status:** Valid as *Anguilla australis* Richardson 1841. Anguillidae. Distribution: Southwestern Pacific. Habitat: freshwater, brackish, marine.

avisotis, *Anguilla* Richardson [J.] 1845:no p., Pl. 51 (fig. 1) [Ichthyology.--Part 2. The zoology of the voyage of H. M. S. Sulphur; ref. [20574](#)] Canton, China. No types known. Available from plate. Text in Richardson 1845:104 [ref. [20275](#)]. Based solely on illustration by Reeves (see Whitehead 1970:297 [ref. [11606](#)]). Anguillidae.

bengalensis, *Muraena* Gray [J. E.] 1831:no page number, Pl. 95 (fig. 5) [Illustrations of Indian zoology; ref. [1878](#)] India. No types known. •Questionably a synonym of *Anguilla nebulosa* McClelland 1844 -- (Ege 1939:36 [ref. [13172](#)]). •Valid as *Anguilla bengalensis* (Gray 1831) subspecies *bengalensis* -- (Abdul Kadir et al. 2017:103 [ref. [35571](#)]). •Valid as *Anguilla bengalensis* (Gray 1831) -- (Shrestha 1978:40 [ref. [15970](#)], Ataur Rahman 1989:41 [ref. [24860](#)], Talwar & Jhingran 1991:74 [ref. [20764](#)], Skelton 1993:107 [ref. [24071](#)], Zacharias et al. 1996:41 [ref. [25526](#)], Manimekalan 1998:434 [ref. [24989](#)], Fricke 1999:37 [ref. [24106](#)], Menon 1999:5 [ref. [24904](#)], Raju Thomas et al. 2000:444 [ref. [25319](#)], Bijukumar & Sushama 2000:184 [ref. [25703](#)], Skelton 2001:107 [ref. [27406](#)], Raju Thomas et al. 2002:49 [ref. [26359](#)], Manilo & Bogorodsky 2003:S94 [ref. [27377](#)], Khan 2003:6 [ref. [27710](#)] with author as Gray and Hardwicke, Seegers et al. 2003:30 [ref. [28087](#)] with subspecies, Ataur Rahman 2003:55 [ref. [31338](#)], Snoeks 2004:20 [ref. [28111](#)], Shrestha 2008:43 [ref. [29923](#)] as subspecies, Teng et al. 2009:817 [ref. [30569](#)], Conway et al. 2011:1756 [ref. [31594](#)], Marshall 2011:62 [ref. [31755](#)] with 2 subspecies, Gurung et al. 2013:4482 [ref. [32969](#)], Kottelat 2013:37 [ref. [32989](#)], Suresh et al. 2018:56 [ref. [36495](#)], Ng et al. 2019:519 [ref. [36606](#)]). **Current status:** Valid as *Anguilla bengalensis* (Gray 1831). Anguillidae. Distribution: Indian Ocean and adjacent freshwater habitats: southeastern Africa east to Malaysia, north to Nepal. Habitat: freshwater, brackish, marine.

bibroni, *Anguilla* Kaup [J. J.] 1856:54 [Archiv für Naturgeschichte v. 22 (pt. 1); ref. [2572](#)] Sicily, Italy. Syntypes: MNHN 0000-3760 (1), 0000-3779 (3). Type catalog: Bauchot et al. 1993:93 [ref. [20810](#)]. Also in Kaup 1856:33, Pl. 3 (fig. 16) [ref. [2573](#)]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Smith 1990:152 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

bicolor, *Anguilla* McClelland [J.] 1844:178, 202, 209, Pl. 6 (fig. 1) [Calcutta Journal of Natural History v. 5 (no. 18); ref. [2928](#)] Sandoway, Malay coast, India. Syntypes: SMF 776 (1). •Valid as *Anguilla bicolor* McClelland 1844 [often as a subspecies] -- (Ege 1939:151 [ref. [13172](#)], Castle 1984:34 [ref. [6171](#)], Castle 1986:160 [ref. [5644](#)], Paxton et al. 1989:123 [ref. [12442](#)], Allen 1991:39 [ref. [21090](#)],

Pethiyagoda 1991:44 [ref. [20075](#)], Talwar & Jhingran 1991:75 [ref. [20764](#)], Kottelat et al. 1993:7 [ref. [23448](#)], Skelton 1993:106 [ref. [24071](#)], Quéro & Saldanha 1995:63 [ref. [22017](#)], Zhu 1995:18 [ref. [25213](#)], Rainboth 1996:57 [ref. [22772](#)], Reinthal & Stiassny 1997:354 [ref. [22780](#)], Fricke 1999:37 [ref. [24106](#)], Keith et al. 1999:74 [ref. [24548](#)], Smith 1999:1634 [ref. [24661](#)], Menon 1999:6 [ref. [24904](#)], Allen et al. 2000:29 [ref. [27467](#)], Hutchins 2001:16 [ref. [25847](#)], Skelton 2001:106 [ref. [27406](#)], Allen et al. 2002:61 [ref. [25930](#)], Raju Thomas et al. 2002:49 [ref. [26359](#)], Manilo & Bogorodsky 2003:S94 [ref. [27377](#)], Myers & Donaldson 2003:610 [ref. [27495](#)], Seegers et al. 2003:30 [ref. [28087](#)], Morgan et al. 2004:150 [ref. [27718](#)], Heemstra et al. 2004:3316 [ref. [27945](#)] dated 1845, Hoese & Gates 2006:236 [ref. [28997](#)], Allen et al. 2008:34 [ref. [30265](#)], Tan & Kottelat 2009:25 [ref. [30261](#)], Fricke et al. 2009:13 [ref. [30213](#)], Teng et al. 2009:817 [ref. [30569](#)], Zhang et al. 2010:180 [ref. [31511](#)], Morgan et al. 2011:10 [ref. [31262](#)], Marshall 2011:59 [ref. [31755](#)], Larson et al. 2013:24 [ref. [32988](#)], Kottelat 2013:37 [ref. [32989](#)], Morgan et al. 2014:11 [ref. [36567](#)], Zhang et al. 2016:46 [ref. [34477](#)], Miesen et al. 2016:80 [ref. [34492](#)], Pusey et al. 2017:16 [ref. [35250](#)], Abdul Kadir et al. 2017:103 [ref. [35571](#)], Fricke et al. 2018:30 [ref. [35805](#)], Suresh et al. 2018:57 [ref. [36495](#)], Ng et al. 2019:518 [ref. [36606](#)], Zajonz et al. 2019:61 [ref. [36871](#)]. **Current status:** Valid as *Anguilla bicolor* McClelland 1844. Anguillidae. Distribution: Indo-West Pacific and adjacent freshwater habitats: Seychelles, Madagascar and Mascarenes east to China, south to northern Western Australia. Habitat: freshwater, brackish, marine.

bleekeri, Anguilla Kaup [J. J.] 1856:56, Pl. 9 (fig. 45) [Archiv für Naturgeschichte v. 22 (pt. 1); ref. [2572](#)] India. Holotype: MNHN B-2099. Paratypes: MNHN B-3124 [ex B-2099]. Type catalog: Bauchot et al. 1993:93 [ref. [20810](#)]. Appeared first as name only in Kaup 1856:56 [ref. [2572](#)]. •Synonym of *Anguilla bicolor* McClelland 1844 -- (Ege 1939:151 [ref. [13172](#)], Castle 1984:35 [ref. [6171](#)], Kottelat 2013:37 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla bicolor* McClelland 1844. Anguillidae. Habitat: freshwater, brackish, marine.

blephura, Anguilla Rafinesque [C. S.] 1817:120 [American Monthly Magazine and Critical Review v. 2 (no. 2); ref. [18584](#)] Southwestern shore of Long Island, New York, U.S.A. No types known. As name only in Ref 1817:453 [ref. [18585](#)]. •Synonym of *Anguilla rostrata* (Lesueur 1817) -- (Ege 1939:89 [ref. [13172](#)], Smith 1986:62 [ref. [22186](#)], Smith 1989:34 [ref. [13285](#)], Ferraris in Reis et al. 2003:33 [ref. [27061](#)]). **Current status:** Synonym of *Anguilla rostrata* (Lesueur 1817). Anguillidae. Habitat: freshwater, brackish, marine.

borneensis, Anguilla Popta [C. M. L.] 1924:73 [Zoologische Mededelingen (Leiden) v. 8 (no. 2) (art. 7); ref. [15466](#)] Bo River, eastern Borneo. Syntypes: RMNH 7654 (2). •Synonym of *Anguilla malgumora* Kaup 1856 -- (authors). •Valid as *Anguilla borneensis* Popta 1924 -- (Ege 1939:89 [ref. [13172](#)], Kottelat et al. 1993:7 [ref. [23448](#)], Huang et al. 2001:42 [ref. [25846](#)], Kottelat 2013:38 [ref. [32989](#)], Watanabe et al. 2014:568 [ref. [35475](#)], Wilkinson & Tan 2018:597 [ref. [36226](#)]). **Current status:** Valid as *Anguilla borneensis* Popta 1924. Anguillidae. Distribution: Northeast Borneo. Habitat: freshwater, brackish, marine.

bostoniensis, Muraena Lesueur [C. A.] 1817:81 [Journal of the Academy of Natural Sciences, Philadelphia v. 1 (pt 1, no. 5) (19 Aug.); ref. [17509](#)] Boston, Massachusetts, U.S.A. No types known. •Synonym of *Anguilla rostrata* (Lesueur 1817) -- (Ege 1939:89 [ref. [13172](#)], Smith 1986:62 [ref. [22186](#)], Smith 1989:34 [ref. [13285](#)], Scott & Crossman 1998:628 [ref. [24570](#)], Castro-Aguirre et al. 1999:96 [ref. [24550](#)], Smith-Vaniz et al. 1999:128 [ref. [25013](#)], Ferraris in Reis et al. 2003:33 [ref. [27061](#)]). **Current status:** Synonym of *Anguilla rostrata* (Lesueur 1817). Anguillidae. Habitat: freshwater, brackish, marine.

breviceps, Anguilla Chu [Y.-T.] & Jin [Y.-T.] in Chu 1984:183, Fig. 122 [ref. [8173](#)] Fuchow, China. Holotype (unique): SFC 57-2318. •Synonym of *Anguilla japonica* Temminck & Schlegel 1846 -- (Zhang et al. 2010:178 [ref. [31511](#)], Zhang et al. 2016:46 [ref. [34477](#)]). **Current status:** Synonym of *Anguilla japonica* Temminck & Schlegel 1846. Anguillidae. Habitat: freshwater, brackish, marine.

brevirostris, Anguilla McClelland [J.] 1844:177, 202, 208, Pl. 5 (fig. 1) [Calcutta Journal of Natural History v. 5 (no. 18); ref. [2928](#)] Bengal, India and Arrakan, Burma. Syntypes: lost. •Questionably a

synonym of *Anguilla nebulosa* McClelland 1844 -- (Ege 1939:36 [ref. [13172](#)]). •Synonym of *Anguilla bengalensis* (Gray 1831) -- (Menon 1999:5 [ref. [24904](#)], Kottelat 2013:37 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla bengalensis* (Gray 1831). Anguillidae. Habitat: freshwater, brackish, marine.

brevirostris, Anguilla Cisternas [R.] 1877:108 [Anales de la Sociedad Española de Historia Natural, Madrid v. 6 (for 7 Mar. 1877); ref. [14239](#)] Valencia, Spain. No types known. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Smith 1990:152 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:36 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

brevirostris, Leptocephalus Kaup [J. J.] 1856:150, Pl. 18 (fig. 15) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Messina, Sicily, Italy, Mediterranean Sea. Holotype: MNHN 0000-2901. Possible types: BMNH 1860.9.31.4 (1), ZMB 4742 (1) Messina. Type catalog: Bertin 1935:100 [ref. [21550](#)], Bauchot et al. 1993:120 [ref. [20810](#)]. Subjectively invalid; secondarily preoccupied in *Anguilla* by *Anguilla brevirostris* Cisternas 1877. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Smith 1989:899 [ref. [13285](#)], Smith 1990:152 [ref. [13454](#)], Tesch 1991:390 [ref. [24843](#)], Kottelat 1997:36 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

caeca, Anguilla Smith [H. M.] 1904:121, Fig. 1 [Proceedings of the Biological Society of Washington v. 17; ref. [10233](#)] Western Atlantic, 60 miles south of Noman's Land, Massachusetts, U.S.A. Holotype: USNM 51483 (lost). Type lost; unidentifiable (D. G. Smith, pers. Comm. 12/2000). Anguillidae. Habitat: marine.

callensis, Anguilla Guichenot [A.] 1850:111, Pl. 7 (fig. 1) [Histoire naturelle des reptiles et poissons; ref. [1940](#)] La Calle, Algeria, western Mediterranean Sea. Syntypes: (10) MNHN 0000-3160 (5), 0000-3220 (1), 0000-3774 (4). Type catalog: Bauchot et al. 1993:93-94 [ref. [20810](#)]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Castle 1984:34 [ref. [6171](#)], Smith 1990:151 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

canariensis, Anguilla Valenciennes [A.] 1843:88, Pl. 20 (fig. 1) [Ichthyologie des îles Canaries v. 2 (pt 2); ref. [4502](#)] Teneriffe, Canary Islands. Lectotype: MNHN 0000-3783. Paralectotypes: MNHN 0000-3784 (3). Type catalog: Bauchot et al. 1993:94 [ref. [20810](#)] as holotype and paratypes, but no type was established originally. Lectotype designated by Eschmeyer 1998:316 [ref. [23416](#)]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. [7185](#)], Castle 1984:34 [ref. [6171](#)], Smith 1990:151 [ref. [13454](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

cantori, Anguilla Kaup [J. J.] 1856:52, Pl. 9 (fig. 46) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Mumbai, India. Syntypes: ?MNHN B-3125 [ex MNHN 0000-3207], 0000-3207 (1). Type catalog: Bauchot et al. 1993:94 [ref. [20810](#)]. Appeared first as name only in Kaup 1856:56 [ref. [2572](#)]. •Synonym of *Anguilla bicolor* McClelland 1844 -- (Ege 1939:151 [ref. [13172](#)], Castle 1984:35 [ref. [6171](#)], Kottelat 2013:37 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla bicolor* McClelland 1844. Anguillidae. Habitat: freshwater, brackish, marine.

canutus, Apristurus Springer [S.] & Heemstra [P. C.] in Springer 1979:16, Figs. 10-13 [NOAA (National Oceanic and Atmospheric Administration) Technical Report NMFS (National Marine Fisheries Service) Circular No. 422; ref. [4175](#)] Leeward Islands near Anguilla, Lesser Antilles, 18°18'N, 63°23'W, Caribbean Sea, Oregon II station 10834, depth 687 meters. Holotype: USNM 206176. Paratypes: USNM 206180 (5). Type catalog: Howe & Springer 1993:5 [ref. [21812](#)]. •Valid as *Apristurus canutus* Springer & Heemstra 1979 -- (Compagno 1984:263 [ref. [6846](#)], Nakaya & Sato 1998:155 [ref. [23477](#)], Nakaya & Stehmann 1998:78 [ref. [23495](#)], Nakaya & Sato 1999:316 [ref. [23941](#)], Nakaya & Séret 1999:307 [ref. [24247](#)], Compagno 1999:478 [ref. [25589](#)], Compagno 2003:450 [ref. [26984](#)], Kiraly et al. 2003:13 [ref. [28226](#)], Iglésias & Nakaya 2004:218 [ref. [27975](#)],

Iglésias et al. 2004:355 [ref. [28061](#)], Nakaya et al. 2008:68 [ref. [29711](#)], Castro 2011:299 [ref. [31457](#)], Kawauchi et al. 2014:12 [ref. [33554](#)], Weigmann 2016:30 [ref. [34211](#)], Ehemann et al. 2019:[3] [ref. [36861](#)]). **Current status:** Valid as *Apristurus canutus* Springer & Heemstra 1979. Pentanchidae. Distribution: Western Atlantic (including Caribbean Sea). Habitat: marine.

capensis, Anguilla Kaup [J. J.] 1859:18, Pl. 2 (fig. 3) [Abhandlungen aus dem Gebiete der Naturwissenschaften herausgegeben von dem Naturwissenschaftlichen Verein in Hamburg v. 4 (no. 2); ref. [2586](#)] Holotype (unique): ZSM [old collection] destroyed in WWII. Type catalog: Neumann 2006:265 [ref. [28925](#)]. •Synonym of *Anguilla mossambica* (Peters 1852) -- (Ege 1939:90 [ref. [13172](#)] with question, Castle 1984:37 [ref. [6171](#)]). **Current status:** Synonym of *Anguilla mossambica* (Peters 1852). Anguillidae. Habitat: freshwater, brackish, marine.

capensis, Anguilla Castelnau [F. L.] 1861:73 [Mémoire sur les poissons de l'Afrique australe; ref. [767](#)] Grand Namaquois (Namaquas), South Africa. Holotype (unique): MNHN A-2337. Type catalog: Bauchot et al. 1993:94 [ref. [20810](#)]. Objectively invalid; preoccupied by *Anguilla capensis* Kaup 1860. •Synonym of *Anguilla mossambica* (Peters 1852) -- (Bauchot et al. 1993:94 [ref. [20810](#)]). **Current status:** Synonym of *Anguilla mossambica* (Peters 1852). Anguillidae. Habitat: freshwater, brackish, marine.

capitone, Anguilla Kaup [J. J.] 1856:34, Pl. 3 (fig. 17) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Naples, Italy, Mediterranean Sea. Holotype (unique): MNHN 0000-3762. Type catalog: Bauchot et al. 1993:94 [ref. [20810](#)]. Appeared first without description in Kaup 1856:55 [ref. [2572](#)]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Smith 1990:152 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

celebesensis, Anguilla Kaup [J. J.] 1856:42, Pl. 6 (fig. 31) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Lake Tondano, Sulawesi, Indonesia. Holotype (unique): MNHN 0000-2150. Type catalog: Bauchot et al. 1993:94 [ref. [20810](#)]. •Valid as *Anguilla celebesensis* Kaup 1856 -- (Ege 1939:10 [ref. [13172](#)], Kottelat et al. 1993:7 [ref. [23448](#)], Aoyama et al. 1996:374 [ref. [24707](#)], Smith 1999:1634 [ref. [24661](#)], Aoyama et al. 2000:159 [ref. [24529](#)], Huang et al. 2001:42 [ref. [25846](#)], Larson & Pidgeon 2004:196 [ref. [28107](#)], Teng et al. 2009:817 [ref. [30569](#)], Watanabe et al. 2009:387 [ref. [30611](#)], Kottelat 2013:38 [ref. [32989](#)] dated 1857, Ho et al. 2015:142 [ref. [34130](#)], Miesen et al. 2016:80 [ref. [34492](#)]). **Current status:** Valid as *Anguilla celebesensis* Kaup 1856. Anguillidae. Distribution: Western Pacific: Philippines to central Indonesia. Habitat: freshwater, brackish, marine.

chrysypa, Anguilla Rafinesque [C. S.] 1817:120 [American Monthly Magazine and Critical Review v. 2 (no. 2); ref. [18584](#)] Lake George, Lake Champlain, and Hudson River above the Falls, U.S.A. No types known. Spelled *chrysypa* in early literature. •Synonym of *Anguilla rostrata* (Lesueur 1817) -- (Ege 1939:89 [ref. [13172](#)] as *chrysypoa*, Smith 1986:62 [ref. [22186](#)] as *chrysypa*, Smith 1989:34 [ref. [13285](#)], Scott & Crossman 1998:628 [ref. [24570](#)] as *chrysypa*, Castro-Aguirre et al. 1999:96 [ref. [24550](#)] as *chrysypa*, Smith-Vaniz et al. 1999:243 [ref. [25013](#)], Ross et al. 2001:101 [ref. [25978](#)], Ferraris in Reis et al. 2003:33 [ref. [27061](#)], Boschung & Mayden 2004:129 [ref. [27995](#)]). **Current status:** Synonym of *Anguilla rostrata* (Lesueur 1817). Anguillidae. Habitat: freshwater, brackish, marine.

clathrata, Anguilla Richardson [J.] 1845:104 [Ichthyology.--Part 3. The zoology of the voyage of H. M. S. Sulphur.; ref. [20575](#)] Canton, China. Holotype (unique): UMZC F.2002. Type information: Whitehead & Joysey 1967:149-150 [ref. [19798](#)]. Not available, on Official Index (Opinion 901). •In the synonymy of *Anguilla japonica* Temminck & Schlegel 1846 -- (Kottelat 2013:38 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla clathrata* Temminck & Schlegel 1846. Anguillidae.

cloacina, Anguilla Bonaparte [C. L.] 1846:38 [Atti della Settima Adunanza degli Scienziati Italiani Sesta Riunione, Milano 7a Adunanza, Napoli, Part 2; ref. [519](#)] France. No types known. •Synonym

of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. [7185](#)], Smith 1990:151 [ref. [13454](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

conger, *Anguilla* Shaw [G.] 1803:20 [General zoology or systematic natural history v. 4; ref. [4014](#)] Mediterranean Sea, North Sea. No types known. •Evidently a synonym of *Conger conger* (Linnaeus 1758). **Current status:** Synonym of *Conger conger* (Linnaeus 1758). Congridae: Congrinae. Habitat: marine.

cubana, *Anguilla* Kaup [J. J.] 1856:44 [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Cuba. Holotype (unique): MNHN B-2105. Type catalog: Bauchot et al. 1993:94 [ref. [20810](#)]. Appeared first as name only in Kaup 1856:55 [ref. [2572](#)]. •Synonym of *Anguilla rostrata* (Lesueur 1817) -- (Ege 1939:90 [ref. [13172](#)], Smith 1989:34 [ref. [13285](#)], Bauchot et al. 1993:94 [ref. [20810](#)], Ferraris in Reis et al. 2003:33 [ref. [27061](#)]). **Current status:** Synonym of *Anguilla rostrata* (Lesueur 1817). Anguillidae. Habitat: freshwater, brackish, marine.

cuvieri, *Anguilla* Kaup [J. J.] 1856:54 [Archiv für Naturgeschichte v. 22 (pt. 1); ref. [2572](#)] Abbeville, France. Syntypes: MNHN 0000-3758 (2), 0000-3759 (7). Type catalog: Bauchot et al. 1993:94 [ref. [20810](#)]. Also in Kaup 1856:33 [ref. [2573](#)]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Smith 1990:152 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

delalandi, *Anguilla* Kaup [J. J.] 1856:50, Pl. 8 (fig. 41) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Great Fish River, Cape of Good Hope, South Africa. Holotype (unique): MNHN (not found). Type catalog: Bauchot et al. 1993:124 [ref. [20810](#)]. Appeared first without description in Kaup 1856:55 [ref. [2572](#)]. •Synonym of *Anguilla mossambica* (Peters 1852) -- (Ege 1939:90 [ref. [13172](#)], Castle 1984:37 [ref. [6171](#)], Castle 1986:161 [ref. [5644](#)], Fricke et al. 2018:31 [ref. [35805](#)]). **Current status:** Synonym of *Anguilla mossambica* (Peters 1852). Anguillidae. Habitat: freshwater, brackish, marine.

dieffenbachii, *Anguilla* Gray [J. E.] 1842:73 [Zoological Miscellany [No. 1]; ref. [18157](#)] River Thames, New Zealand. Holotype (unique): BMNH 1965.11.5.9. •Valid as *Anguilla dieffenbachii* Gray 1842 -- (Ege 1939:90 [ref. [13172](#)], Paulin et al. 1989:67 [ref. [24556](#)], McDowall et al. 1998:1 [ref. [23822](#)], Huang et al. 2001:42 [ref. [25846](#)], Teng et al. 2009:817 [ref. [30569](#)], Watanabe et al. 2014:574 [ref. [35475](#)], McDowall et al. 2015:222 [ref. [34232](#)]). **Current status:** Valid as *Anguilla dieffenbachii* Gray 1842. Anguillidae. Distribution: New Zealand. Habitat: freshwater, brackish, marine.

dussumieri, *Anguilla* Kaup [J. J.] 1856:51, Pl. 8 (fig. 43) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Mahé, Malabar, India. Holotype (unique): MNHN 0000-3209. Type catalog: Bauchot et al. 1993:95 [ref. [20810](#)]. Appeared first without distinguishing features in Kaup 1856:56 [ref. [2572](#)]. •Synonym of *Anguilla bicolor* McClelland 1844 -- (Ege 1939:151 [ref. [13172](#)], Castle 1984:35 [ref. [6171](#)], Kottelat 2013:37 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla bicolor* McClelland 1844. Anguillidae. Habitat: freshwater, brackish, marine.

elphinstonei, *Anguilla* Sykes [W. H.] 1839:165 [Proceedings of the Zoological Society of London 1838 (pt 6) (for 27 Nov. 1838); ref. [18720](#)] Deccan, India. Appeared first as above, then in Sykes 1839:62 [ref. [4306](#)]; more complete treatment in Sykes 1841:377, Pl. 67 (fig. 3) [ref. [18868](#)]. •Questionably a synonym of *Anguilla nebulosa* McClelland 1844 -- (Ege 1939:36 [ref. [13172](#)]). •Synonym of *Anguilla bengalensis* (Gray 1831) -- (Menon 1999:5 [ref. [24904](#)], Kottelat 2013:37 [ref. [32989](#)]). •Synonym of *Anguilla japonica* Temminck & Schlegel 1846 -- (Zhang et al. 2010:178 [ref. [31511](#)]). **Current status:** Synonym of *Anguilla bengalensis* (Gray 1831). Anguillidae. Habitat: freshwater, brackish, marine.

eurylaema, Anguilla Kaup [J. J.] 1856:50, Pl. 8 (fig. 40) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] No locality. Holotype (unique): MNHN (not found). Type catalog: Bauchot et al. 1993:124 [ref. [20810](#)]. Appeared first without description in Kaup 1856:56 [ref. [2572](#)]. Anguillidae.

eurystoma, Anguilla Heckel [J. J.] & Kner [R.] 1857:325, Fig. 168 [Die Süßwasserfische der Österreichischen Monarchie; ref. [2078](#)] Dalmatia, Croatia, Adriatic Sea (Mediterranean Sea). Syntypes: (2) NMW 9284 (1). •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Smith 1990:152 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:36 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

fasciata, Anguilla Kaup [J. J.] 1856:48, Pl. 7 (fig. 37) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] No locality. Holotype (unique): RMNH ancient collection (whereabouts unknown). Appeared first without distinguishing features in Kaup 1856:56 [ref. [2572](#)]. Anguillidae.

fidjiensis, Anguilla Günther [A.] 1870:26 [Catalogue of the fishes in the British Museum v. 8; ref. [1995](#)] Fiji Islands: Kandavu, Nairai. Syntypes: (2) BMNH 1869.11.12.59 (1). •Synonym of *Anguilla marmorata* Quoy & Gaimard 1824 -- (Ege 1939:36 [ref. [13172](#)], Okada 1961:592 [ref. [6363](#)], Kottelat 2013:38 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla marmorata* Quoy & Gaimard 1824. Anguillidae. Habitat: freshwater, brackish, marine.

fluviatilis, Anguilla Ansljij [N.] 1828:226, Pl. 93 [Systematische Beschrijving der voor ons meest belangrijke visschen.; ref. [13455](#)] •Unneeded new name for *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. [7185](#)], Smith 1990:151 [ref. [13454](#)], Kottelat 1997:35 [ref. [22952](#)], Parin et al. 2014:47 [ref. [33547](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

fluviatilis, Anguilla Gistel [J.] 1848:104 [Naturgeschichte des Thierreichs; ref. [1822](#)] Der Gauzen Erde. No types known. Perhaps not an original description. •Synonym of *Anguilla anguilla* (Linnaeus 1758). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

fluviatilis, Anguilla vulgaris var. Rafinesque [C. S.] 1810:38 [Indice d'ittiologia siciliana; ref. [3595](#)] Not available, name only; from Sicily. •In the synonymy of *Anguilla anguilla* (Linnaeus 1758) -- (Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae.

foochowensis, Anguilla Chu [Y.-T.] & Jin [Y.-T.] in Chu 1984:187, Fig. 126 [ref. [8173](#)] Fuzhou [Fuchow], China. Holotype (unique): SFC 57-4104. •Synonym of *Anguilla bicolor* McClelland 1844 - (Zhang et al. 2010:180 [ref. [31511](#)]). **Current status:** Synonym of *Anguilla bicolor* McClelland 1844. Anguillidae. Habitat: freshwater, brackish, marine.

grassii, Leptocephalus Eigenmann [C. H.] & Kennedy [C. H.] 1902:84, Figs. 1, 1a-b [Bulletin of the U. S. Fish Commission v. 21 (1901); ref. [11071](#)] Atlantic, Albatross station 2103, 38°47'20"N, 72°37'W, depth 0-1091 fathoms; 38°25'N, 72°40'W. Syntypes USNM 49751-52 (1, 1). Type catalog: Smith 1994:3 [ref. [21917](#)]. Appeared as *Leptocephalus grassii*, sp. nov. = *Anguilla chrysypa*. •Synonym of *Anguilla rostrata* (Lesueur 1817) -- (Smith 1989:35, 898 [ref. [13285](#)], Scott & Crossman 1998:628 [ref. [24570](#)], Ferraris in Reis et al. 2003:33 [ref. [27061](#)]). **Current status:** Synonym of *Anguilla rostrata* (Lesueur 1817). Anguillidae. Habitat: freshwater, brackish, marine.

guiseau, Muraena anguilla Schneider [J. G.] in Bloch & Schneider 1801:560 [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] "Sequanam" [Seine River, northern France]. No types known. Based on "Guiseau" (variety of *Muraena anguilla* Linnaeus 1758) of Lacepède 1800:262 [ref. [2709](#)].

•Synonym of *Anguilla anguilla* (Linnaeus 1758). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

guttata, Anguilla Cuvier [G.] in Kaup 1856:43 [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Not available, name only mentioned in synonymy of *Anguilla marmorata*; from Réunion I. Anguillidae.

halmaherensis, Muraena Bleeker [P.] 1863:158 [Nederlandsch Tijdschrift voor de Dierkunde v. 1; ref. [17001](#)] Galéla, Halmahera, Indonesia. Holotype (unique): whereabouts unknown. •Synonym of *Anguilla bicolor* McClelland 1844 -- (Ege 1939:151 [ref. [13172](#)], Kottelat 2013:37 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla bicolor* McClelland 1844. Anguillidae. Habitat: freshwater, brackish, marine.

hibernica, Anguilla Couch [J.] 1865:328, Pl. 235 [The history of the fishes of the British islands v. 4; ref. [18055](#)] Liffey River, Dublin, Ireland. No types known. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Smith 1990:152 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:36 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

hildebrandti, Anguilla Peters [W. (C. H.)] 1881:19 [Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin 1881 (no. 2) (for 15 Feb. 1881); ref. [18546](#)] Northwestern Madagascar. Holotype: ZMB 11385. Paratypes: ?MNHN 1880-0508 (1). Type catalog: Bauchot et al. 1993:95 [ref. [20810](#)] but as MNHN A.4146, holotype, for Sauvage 1891:499; Fricke et al. 2018:31 [ref. [35805](#)]. •Synonym of *Anguilla marmorata* Quoy & Gaimard 1824 -- (Ege 1939:36 [ref. [13172](#)], Castle 1984:36 [ref. [6171](#)], Kottelat 2013:38 [ref. [32989](#)], Fricke et al. 2018:31 [ref. [35805](#)]). **Current status:** Synonym of *Anguilla marmorata* Quoy & Gaimard 1824. Anguillidae. Habitat: freshwater, brackish, marine.

hildebrandti, Anguilla Sauvage [H.-E.] ex Peters 1891:499, Pl. 49A (fig. 1) [Histoire physique, naturelle et politique de Madagascar; ref. [14503](#)] Northwestern Madagascar. Syntypes: MNHN 1880-0508 (1), ZMB 11385 (1). Not an independent species description, but based on *Anguilla hildebrandti* Peters 1881. •Synonymy of *Anguilla marmorata* Quoy & Gaimard 1824 -- (Kottelat 2013:38 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla marmorata* Quoy & Gaimard 1824. Anguillidae. Distribution: RF 2/17. Habitat: freshwater, brackish, marine.

huangi, Anguilla Teng [H.-Y.], Lin [Y.-S.] & Tzeng [C.-S.] 2009:812, Figs. 1-2 [Zoological Studies v. 48 (no. 6); ref. [30569](#)] Cagayan River, Luzon Island, Philippines. Holotype: ASIZP 0069360. Paratypes: ASIZP 0069361-9 (9). *Anguilla huangi* was published Nov. 2009, *luzonensis* Mar. 2009. •Synonym of *Anguilla luzonensis* Watanabe, Aoyama & Tsukamoto 2009 -- (Kottelat 2013:38 [ref. [32989](#)], Zhang et al. 2016:46 [ref. [34477](#)]). **Current status:** Synonym of *Anguilla luzonensis* Watanabe, Aoyama & Tsukamoto 2009. Anguillidae. Habitat: freshwater.

immaculata, Anguilla (Ophisurus) Swainson [W.] 1839:334 [The natural history and classification v. 2; ref. [4303](#)] Estuaries near Calcutta, India. Based on Gray, Ind. Zool. i. pl. 91. fig. 1 -- which is Gray 1832:Pl. 91 (fig. 1) [ref. [1878](#)]. •Synonym of *Pisodonophis boro* (Hamilton 1822) -- (Kottelat 2013:47 [ref. [32989](#)]). **Current status:** Synonym of *Pisodonophis boro* (Hamilton 1822). Ophichthidae: Ophichthinae. Habitat: marine.

inferior, Leptocephalus Shen [S.-C.] 1963:261, Figs. 1-3 [Quarterly Journal of the Taiwan Museum (Taipei) v. 16 (nos 3-4); ref. [5280](#)] Estuary of the Tam-sui River, northern Taiwan. Syntypes: NTUM uncat. (2). Type catalog: Ho & Shao 2011:63 [ref. [31432](#)]. •Larvae, may belong to a species of *Anguilla* -- (Ho & Shao 2011:63 [ref. [31432](#)]). Anguillidae. Habitat: marine.

interioris, Anguilla Whitley [G. P.] 1938:224, Fig. 1 [Records of the Australian Museum v. 20 (no. 3); ref. [4693](#)] Gumanj, a tributary of Wahgi River, Mt. Hagen District, upper Purari River, central New Guinea, elevation 5700 feet. Holotype (unique): AMS IA.6075. •Synonym of *Anguilla reinhardtii*

Steindachner 1867 -- (Allen 1991:41 [ref. [21090](#)]). •Valid as *Anguilla interioris* Whitley 1938 -- (Ege 1939:10 [ref. [13172](#)], Aoyama et al. 2000:159 [ref. [24529](#)], Smith 1999:1634 [ref. [24661](#)], Huang et al. 2001:42 [ref. [25846](#)], Teng et al. 2009:817 [ref. [30569](#)], Watanabe et al. 2009:387 [ref. [30611](#)], Kottelat 2013:38 [ref. [32989](#)] with question, Miesen et al. 2016:80 [ref. [34492](#)]). **Current status:** Valid as *Anguilla interioris* Whitley 1938. Anguillidae. Distribution: New Guinea to Sumatra. Habitat: freshwater, brackish, marine.

isinglaena, *Anguilla* Kaup [J. J.] 1856:50, Pl. 8 (fig. 40) [Archiv für Naturgeschichte v. 22 (pt. 1); ref. [2572](#)] No locality. Original not seen; still researching. Anguillidae.

japonica, *Anguilla* Temminck [C. J.] & Schlegel [H.] 1846:258, Pl. 13 (fig. 1) [Fauna Japonica Parts 10-14; ref. [4374](#)] Japan. Lectotype: RMNH 3661a. Paralectotypes: RMNH 3659 (1), 3660 (2), 3661b (1). Lectotype selected by Boeseman 1947:185 [ref. [12876](#)]. On the Official List of specific names, Opinion 901. •Valid as *Anguilla japonica* Temminck & Schlegel 1846 -- (Ege 1939:89 [ref. [13172](#)], Okada 1961:589 [ref. [6363](#)], Asano in Masuda et al. 1984:21 [ref. [6441](#)], Wang 1984:10 [ref. [22951](#)], Kuang & Yu in Kuang et al. 1986:27 [ref. [26639](#)], Kawanabe & Mizuno 1989:47 [ref. [25598](#)], Zheng et al. 1989:34 [ref. [21202](#)], Kuang in Pan et al. 1991:53 [ref. [23876](#)], Ding 1994:41 [ref. [21531](#)], Zhu 1995:18 [ref. [25213](#)], Aoyama et al. 1996:374 [ref. [24707](#)], Tagliavini et al. 1996:271 [ref. [25516](#)], Chen et al. 1997:18 [ref. [26476](#)], Cheng & Zhou 1997:96 [ref. [26385](#)], Kim 1997:144 [ref. [24032](#)], Takahashi et al. 1997:42 [ref. [24971](#)] as *jaonica*, Chen in Chen 1998:40 [ref. [23556](#)], Sato et al. 1998:30 [ref. [24972](#)], Smith 1999:1635 [ref. [24661](#)], Mizuno et al. 1999:5 [ref. [25311](#)], Fuller et al. 1999:36 [ref. [25838](#)], Nakabo 2000:192 [ref. [25086](#)], Matsuura et al. 2000:16 [ref. [26000](#)], Huang et al. 2001:42 [ref. [25846](#)], Kottelat 2001:13 [ref. [25482](#)], Pietsch et al. 2001:139 [ref. [25688](#)], Sakai et al. 2001:85 [ref. [25693](#)], Tang et al. 2001:12 [ref. [25373](#)], Wang et al. 2001:187 [ref. [26566](#)] dated 1847, Kim & Park 2002:42 [ref. [25913](#)], Nakabo 2002:192 [ref. [26001](#)], Youn 2002:141, 489 [ref. [26218](#)], Hagiwara 2003:34 [ref. [27188](#)], Jang et al. 2003:119 [ref. [27681](#)], Teng et al. 2009:817 [ref. [30569](#)], Yonezawa et al. 2010:250 [ref. [30902](#)], Motomura et al. 2010:70 [ref. [31256](#)], Zhang et al. 2010:178 [ref. [31511](#)], Ho & Shao 2011: 21 [ref. [31432](#)], Psomadakis et al. 2012:15 [ref. [33457](#)], Kottelat 2013:38 [ref. [32989](#)] dated 1847, Watanabe et al. 2014:574 [ref. [35475](#)], Ho et al. 2015:7 [ref. [34116](#)], Ho et al. 2015:142 [ref. [34130](#)], Zhang et al. 2016:46 [ref. [34477](#)], Koeda et al. 2016:6 [ref. [35333](#)]). **Current status:** Valid as *Anguilla japonica* Temminck & Schlegel 1846. Anguillidae. Distribution: Western North Pacific. Habitat: freshwater, brackish, marine.

johannae, *Anguilla* Günther [A.] in Playfair & Günther 1867:124, fig'd. [The fishes of Zanzibar; ref. [3490](#)] Johanna Island, Anjouan Island, Comoro Islands. Holotype (unique): BMNH 1867.3.9.419 (stuffed). •Synonym of *Anguilla marmorata* Quoy & Gaimard 1824 -- (Ege 1939:36 [ref. [13172](#)], Okada 1961:592 [ref. [6363](#)], Castle 1984:36 [ref. [6171](#)], Kottelat 2013:38 [ref. [32989](#)], Fricke et al. 2018:30 [ref. [35805](#)]). **Current status:** Synonym of *Anguilla marmorata* Quoy & Gaimard 1824. Anguillidae. Habitat: freshwater, brackish, marine.

kieneri, *Anguilla* Kaup [J. J.] 1856:54 [Archiv für Naturgeschichte v. 22 (pt. 1); ref. [2572](#)] Toulon, France, northwestern Mediterranean Sea. Holotype: MNHN 0000-3757. Type information: Bauchot et al. 1993:95 [ref. [20810](#)]. Also in Kaup 1856:22, Fig. 15 [ref. [2573](#)]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Smith 1990:152 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

labiata, *Muraena (Anguilla)* Peters [W. (C. H.)] 1852:684 [Monatsberichte der Königlich Preussischen Akademie der Wissenschaften zu Berlin 1852; ref. [18539](#)] Zambezi and Licuare River, Mozambique. Syntypes: ZMB 6227 (1), 6228 (3, now 2). Also in Peters 1868:94, Pl. 17 [ref. [3440](#)] as *anguilla labiata*. •Synonym of *Anguilla nebulosa* McClelland 1844, but a valid subspecies -- (Ege 1939:36 [ref. [13172](#)]). •Synonym of *Anguilla bengalensis* (Gray 1831), but a valid subspecies *labiata* (Peters 1852) -- (Castle 1984:34 [ref. [6171](#)], Castle 1986:160 [ref. [5644](#)], Skelton 1993:107 [ref. [24071](#)], Fricke 1999:37 [ref. [24106](#)], Keith et al. 1999:72 [ref. [24548](#)], Skelton 2001:107 [ref. [27406](#)], Seegers et al. 2003:30 [ref. [28087](#)], Snoeks 2004:20 [ref. [28111](#)], Teng et al. 2009:817 [ref. [30569](#)], Marshall 2011:59 [ref. [31755](#)], Kottelat 2013:37 [ref. [32989](#)]). •Valid as *Anguilla labiata* (Peters 1852)

-- (Fricke et al. 2009:13 [ref. [30213](#)]). **Current status:** Synonym of *Anguilla bengalensis* (Gray 1831). Anguillidae. Distribution: Western Indian Ocean and Africa: South African, East African, Réunion and Mauritius (western Mascarenes) watersheds and adjacent waters of Western Indian Ocean. Habitat: freshwater, brackish, marine.

labrosa, Anguilla Richardson [J.] 1848:113 [Ichthyology of the voyage of H. M. S. Erebus & Terror v. 2 (2); ref. [3740](#)] South Seas. Holotype (unique): BMNH 1848.5.18.198. •Synonym of *Anguilla marmorata* Quoy & Gaimard 1824 -- (Ege 1939:36 [ref. [13172](#)], Okada 1961:592 [ref. [6363](#)], Kottelat 2013:38 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla marmorata* Quoy & Gaimard 1824. Anguillidae. Habitat: freshwater, brackish, marine.

lacustus, Anguilla vulgaris var. Rafinesque [C. S.] 1810:38 [Indice d'ittologia siciliana; ref. [3595](#)] Not available, name only; from Sicily. •In the synonymy of *Anguilla anguilla* (Linnaeus 1758) -- (Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae.

lalandi, Anguilla Sauvage [H.-E.] 1891:498, Pl. 50 (fig. 6) [Histoire physique, naturelle et politique de Madagascar; ref. [14503](#)] Incorrect subsequent spelling; appears as above on Pl. 50, but this should have been *Anguilla delalandi* Kaup as listed on Sauvage's p. 498 as *delalandii*; not available. **Current status:** Synonym of *Anguilla mossambica* (Peters 1852). Anguillidae.

laticanda, Anguilla Rafinesque [C. S.] 1818:447 [American Monthly Magazine and Critical Review v. 3 (no. 6) (art. 6) (Oct.); ref. [3587](#)] Ohio River, Wabash River, Green River, etc., U.S.A. No types known. Spelled *laticanda* twice but *laticauda* intended based on subsequent use by Rafinesque (e.g., 1820:245 [ref. [5088](#)]). See Smith 1989:35 [ref. [13285](#)] for nomenclatural discussion. •Synonym of *Anguilla rostrata* (Lesueur 1817) -- (Ege 1939:89 [ref. [13172](#)], Ferraris in Reis et al. 2003:33 [ref. [27061](#)] as *laticauda*). •Probably fictional -- (see Markle 1997:439 [ref. [23370](#)]). **Current status:** Synonym of *Anguilla rostrata* (Lesueur 1817). Anguillidae. Habitat: freshwater, brackish, marine.

latirostris, Anguilla Risso [A.] 1827:199 [Histoire naturelle des principales productions de l'Europe méridionale v. 3; ref. [3757](#)] Nice, France, northwestern Mediterranean Sea. Holotype (unique): MNHN (not found). •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. [7185](#)], Castle 1984:34 [ref. [6171](#)], Smith 1990:151 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

latirostris, Anguilla Yarrell [W.] 1836:298 [A history of British fishes; ref. [4812](#)] Great Britain. No types known. Apparently independent of, and preoccupied by *Anguilla latirostris* Risso 1827; objectively invalid. Appeared earlier as the "Grig" without Latinization in Yarrell 1832 [ref. [17746](#)] and perhaps Jenyns 1835 [ref. [18335](#)] (not researched). Anguillidae.

linearis, Anguilla Hardwicke [T.] in Gray 1831:9 [Zoological Miscellany 1831; ref. [1879](#)] Name only, not available. Anguillidae.

linnei, Anguilla Malm [A. W.] 1877:590 [ref. [2881](#)] Original as *Linnéi*. Unneeded replacement name for *Muraena anguilla* Linnaeus 1758 (to avoid "Strickland tautonomy"). Locality Sweden. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Kottelat 1997:36 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

lutea, Anguilla Rafinesque [C. S.] 1820:246 [Western Revue and Miscellaneous Magazine: a monthly publ., devoted to literature and science, Lexington, KY v. 3 (no. 4); ref. [5088](#)] Cumberland, Green and Licking rivers, U.S.A. No types known. Also in Rafinesque 1820:78 [ref. [3592](#)]. •Synonym of *Anguilla rostrata* (Lesueur 1817) -- (Ege 1939:89 [ref. [13172](#)], Smith 1989:34 [ref. [13285](#)], Ferraris in Reis et al. 2003:33 [ref. [27061](#)]). **Current status:** Synonym of *Anguilla rostrata* (Lesueur 1817). Anguillidae. Habitat: freshwater, brackish, marine.

luzonensis, *Anguilla* Watanabe [S.], Aoyama [J.] & Tsukamoto [K.] 2009:389, Fig. 2 [Fisheries Science (Tokyo) v. 75; ref. [30611](#)] Upper reaches of the Pinacanauan River near Saua, north Luzon Island, Philippines. Holotype: NSMT-P 90000. Paratypes: NSMT-P 90001 (1), 90002 (1), 90003 (1), 90004-28 (25). Predates *Anguilla huangi* Lin & Tzeng 2009 (Nov.); *luzonensis* published in Mar. 2009. •Valid as *Anguilla luzonensis* Watanabe, Aoyama & Tsukamoto 2009 -- (Kottelat 2013:38 [ref. [32989](#)], Ho et al. 2015:142 [ref. [34130](#)], Zhang et al. 2016:46 [ref. [34477](#)]). **Current status:** Valid as *Anguilla luzonensis* Watanabe, Aoyama & Tsukamoto 2009. Anguillidae. Distribution: Philippines and Taiwan. Habitat: freshwater, brackish, marine.

macrocephala, *Muraena* Lesueur [C. A.] 1817:82 [Journal of the Academy of Natural Sciences, Philadelphia v. 1 (pt 1, no. 5) (19 Aug.); ref. [17509](#)] Saratoga, New York; Philadelphia market, U.S.A. No types known. •Synonym of *Anguilla rostrata* (Lesueur 1817) -- (Ege 1939:89 [ref. [13172](#)], Smith 1986:62 [ref. [22186](#)], Smith 1989:34 [ref. [13285](#)], Scott & Crossman 1998:628 [ref. [24570](#)], Ferraris in Reis et al. 2003:33 [ref. [27061](#)]). **Current status:** Synonym of *Anguilla rostrata* (Lesueur 1817). Anguillidae. Habitat: freshwater, brackish, marine.

macrocephala, *Muraena* Rapp [W. L. von] 1849:142, Pl. 2 [Jahreshefte des Vereins für Vaterländische Naturkunde in Württemberg v. 4; ref. [19492](#)] Umlaas River/Umlazi River, Durban, KwaZulu-Natal, South Africa, southwestern Indian Ocean. Holotype (unique): SMNS 26204. Objectively invalid; preoccupied by *Muraena macrocephala* Lesueur 1817. •Synonym of *Anguilla bicolor* McClelland 1844 -- (Ege 1939:151 [ref. [13172](#)], Castle 1984:35 [ref. [6171](#)], Kottelat 2013:37 [ref. [32989](#)] with question). **Current status:** Synonym of *Anguilla bicolor* McClelland 1844. Anguillidae. Habitat: freshwater, brackish, marine.

macrophthalmos, *Muraena (Anguilla)* Peters [W. (C. H.)] 1852:684 [Monatsberichte der Königlich Preussischen Akademie der Wissenschaften zu Berlin 1852; ref. [18539](#)] Tette [Tete], Zambezi River, Mozambique. Holotype (unique): ZMB 6226. Also in Peters 1868:99, Pl. 19 [ref. [3440](#)] as *Anguilla macrophthalma*. •Synonym of *Anguilla nebulosa* McClelland 1844, subspecies *labiata* (Peters 1852) -- (Ege 1939:36 [ref. [13172](#)]). •Synonym of *Anguilla bengalensis* (Gray 1831) subspecies *labiata* (Peters 1852) -- (Castle 1984:35 [ref. [6171](#)]). •Synonym of *Anguilla bengalensis* (Gray 1931) -- (Kottelat 2013:37 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla bengalensis* (Gray 1831). Anguillidae. Habitat: freshwater, brackish, marine.

macrops, *Anguilla* Kaup [J. J.] 1856:49, Pl. 7 (fig. 38) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] No locality. Holotype (unique): MNHN B-3154. Type catalog: Bauchot et al. 1993:95 [ref. [20810](#)]. Appeared first as name only in Kaup 1856:56 [ref. [2572](#)]. •Synonym of *Anguilla rostrata* (Lesueur 1817) -- (Ferraris in Reis et al. 2003:33 [ref. [27061](#)]). **Current status:** Synonym of *Anguilla rostrata* (Lesueur 1817). Anguillidae. Habitat: freshwater, brackish, marine.

macroptera, *Anguilla* McClelland [J.] 1843:407, Pl. 25 (fig. 1) [Calcutta Journal of Natural History v. 4 (no. 4); ref. [2927](#)] Chusan, China. Anguillidae.

maculata, *Muraena anguilla* Nardo [G. D.] (ex Chiereghini) 1847:col. 115 [Sinonimia moderna delle specie registrate nell' opera intitolata: ...; ref. [17994](#)] Objectively invalid, preoccupied by *Muraena maculata* Lacepède 1801. Not available, Chiereghini name mentioned in synonymy. Name also appeared in Ninni 1872:50 (not investigated). •In the synonymy of *Anguilla anguilla* (Linnaeus 1758) -- (Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae.

maculatus, *Anguilla (Pterurus)* Swainson [W.] 1839:334 [The natural history and classification v. 2; ref. [4303](#)] Ganges, India. Holotype: lost. Based on Ham. p. 25 -- which is Hamilton 1822:25 [ref. [2031](#)]. Unneeded new name for *Muraena raitaborus* Hamilton 1822. •Objective synonym of *Moringua raitaborus* (Hamilton 1822) -- (Kottelat 2013:40 [ref. [32989](#)]). **Current status:** Synonym of *Moringua raitaborua* (Hamilton 1822). Moringuidae. Habitat: freshwater, brackish.

malabarica, *Anguilla* Kaup [J. J.] 1856:52, Pl. 9 (fig. 47) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Malabar, India. Holotype: MNHN 0000-3208. Type catalog: Bauchot et al. 1993:95 [ref. [20810](#)]. Appeared first as name only in Kaup 1856:56 [ref. [2572](#)]. •Synonym of *Anguilla bicolor* McClelland 1844 -- (Ege 1939:151 [ref. [13172](#)], Castle 1984:35 [ref. [6171](#)], Bauchot et al. 1993:94 [ref. [20810](#)], Kottelat 2013:37 [ref. [32989](#)] dated 1857). **Current status:** Synonym of *Anguilla bicolor* McClelland 1844. Anguillidae. Habitat: freshwater, brackish, marine.

malgumora, *Anguilla* Kaup [J. J.] (ex Schlegel) 1856:42, Pl. 6 (fig. 30) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Borneo [in error]. Holotype (unique): MNHN A-9954. Type catalog: Bauchot et al. 1993:95 [ref. [20810](#)]. Appeared first as name only in Kaup 1856:55 [ref. [2572](#)]. •Synonym of *Anguilla bicolor* McClelland 1844 -- (Menon 1999:6 [ref. [24904](#)]). •Valid as *Anguilla malgumora* Kaup 1856 -- (Martin-Smith & Tan 1998:579 [ref. [23647](#)], Smith 1999:1635 [ref. [24661](#)], Teng et al. 2009:817 [ref. [30569](#)]). •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Ege 1939:90 [ref. [13172](#)] with question, Watanabe et al. 2014:568 [ref. [35475](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

manabei, *Anguilla* Jordan [D. S.] 1913:359, Pl. 57 [Proceedings of the United States National Museum v. 44 (no. 1957); ref. [14960](#)] Rapid in tributary of Yoshino River, near Koyadaira, a village at foot of Mt. Tsurugi, Awa, Shikoku, Japan. Holotype (unique): USNM 74118. Type catalog: Smith 1994:3 [ref. [21917](#)]. •Synonym of *Anguilla japonica* Temminck & Schlegel 1846 -- (Okada 1961:589 [ref. [6363](#)], Kottelat 2013:38 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla japonica* Temminck & Schlegel 1846. Anguillidae. Habitat: freshwater, brackish, marine.

manillensis, *Muraena* Bleeker [P.] 1864:31 [Nederlandsch Tijdschrift voor de Dierkunde v. 2; ref. [13922](#)] Manila, Philippines. No types known. •Synonym of *Anguilla marmorata* Quoy & Gaimard 1824 -- (Ege 1939:36 [ref. [13172](#)], Kottelat 2013:38 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla marmorata* Quoy & Gaimard 1824. Anguillidae. Habitat: freshwater, brackish, marine.

marginata, *Anguilla* Kaup [J. J.] 1856:36, Pl. 4 (fig. 20) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Valencia, Spain. Holotype (unique): MNHN 0000-3765. Type catalog: Bauchot et al. 1993:95 [ref. [20810](#)]. Appeared first as name only in Kaup 1856:55 [ref. [2572](#)]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Smith 1990:152 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

marginipinnis, *Anguilla* Macleay [W.] 1883:210 [Proceedings of the Linnean Society of New South Wales v. 8 (pt 2); ref. [14342](#)] Lillesmere Lagoon, Burdekin River, Queensland, Australia. Syntypes: AMS A.17994 (1), A.17997-99 (1, 1, 1), A.18001 (1); QM I.3497 (1); Macleay Mus. [ex AMS I.17995] (1). Syntype AMS A.17998 is *Anguilla reinhardtii* Steindachner 1867 -- (Paxton et al. 1989:123 [ref. [12442](#)]). •Synonym of *Anguilla reinhardtii* Steindachner 1867 -- (Ege 1939:36 [ref. [13172](#)] as *reinhardtii*). •In part a synonym of *Anguilla obscura* Günther 1872 -- (Ege 1939:152 [ref. [13172](#)], Paxton et al. 1989:123 [ref. [12442](#)], Hoese & Gates 2006:237 [ref. [28997](#)], Kottelat 2013:39 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla obscura* Günther 1872. Anguillidae. Habitat: freshwater, brackish, marine.

marina, *Anguilla vulgaris* var. Rafinesque [C. S.] 1810:38 [Indice d'ittologia siciliana; ref. [3595](#)] Not available, name only. •In the synonymy of *Anguilla anguilla* (Linnaeus 1758) -- (Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae.

marina, *Muraena anguilla* Nardo [G. D.] (ex Chiereghini) 1847:col. 115 [Sinonimia moderna delle specie registrate nell' opera intitolata: ...; ref. [17994](#)] Not available, name only; as *Anguilla marina* in column 116. Anguillidae.

marmorata, *Anguilla* Quoy [J. R. C.] & Gaimard [J. P.] 1824:241, Pl. 51 (fig. 2) [Voyage autour du monde; ref. [3574](#)] Waigeo [Waigiou], Indonesia. Syntypes: MNHN A-4109 (1), 0000-3130 (1). Type

catalog: Bauchot et al. 1993:95 [ref. [20810](#)]. •Valid as *Anguilla marmorata* Quoy & Gaimard 1824 -- (Ege 1939:36 [ref. [13172](#)], Okada 1961:592 [ref. [6363](#)], Castle 1984:36 [ref. [6171](#)], Asano in Masuda et al. 1984:21 [ref. [6441](#)], Castle 1986:161 [ref. [5644](#)], Kuang & Yu in Kuang et al. 1986:28 [ref. [26639](#)], Kawanabe & Mizuno 1989:50 [ref. [25598](#)], Zheng et al. 1989:33 [ref. [21202](#)], Allen & Coates 1990:53 [ref. [25561](#)], Allen 1991:40 [ref. [21090](#)], Kuang in Pan et al. 1991:55 [ref. [23876](#)], Allen et al. 1992:298 [ref. [21400](#)], Kottelat et al. 1993:8 [ref. [23448](#)], Skelton 1993:108 [ref. [24071](#)], Quéro & Saldanha 1995:63 [ref. [22017](#)], Kottelat & Lim 1995:228 [ref. [23210](#)], Zhu 1995:18 [ref. [25213](#)], Rainboth 1996:57 [ref. [22772](#)], Tagliavini et al. 1996:271 [ref. [25516](#)], Kim 1997:146 [ref. [24032](#)], Yue & Chen 1998:51 [ref. [26415](#)], Marquet & Mary 1999:31 [ref. [23933](#)], Marquet et al. 1999:43 [ref. [23934](#)], Fricke 1999:37 [ref. [24106](#)], Keith et al. 1999:69 [ref. [24548](#)], Smith 1999:1635 [ref. [24661](#)], Nakabo 2000:192 [ref. [25086](#)], Laboute & Grandperrin 2000:56 [ref. [25191](#)], Stiassny & Harrison 2000:147 [ref. [25252](#)], Matsuura et al. 2000:20 [ref. [26000](#)], Kottelat 2001:13 [ref. [25482](#)], Sakai et al. 2001:85 [ref. [25693](#)], Kottelat 2001:26 [ref. [25780](#)], Huang et al. 2001:42 [ref. [25846](#)], Skelton 2001:108 [ref. [27406](#)], Keith et al. 2002:84 [ref. [31473](#)], Kim & Park 2002:45 [ref. [25913](#)], Nakabo 2002:192 [ref. [26001](#)], Youn 2002:141, 490 [ref. [26218](#)], Myers & Donaldson 2003:610 [ref. [27495](#)], Randall et al. 2004:6 [ref. [27624](#)], Heemstra et al. 2004:3316 [ref. [27945](#)], Larson & Pidgeon 2004:196 [ref. [28107](#)], Mundy 2005:110 [ref. [28379](#)], Watanabe et al. 2008:680 [ref. [29821](#)], Fricke et al. 2009:14 [ref. [30213](#)], Teng et al. 2009:817 [ref. [30569](#)], Yonezawa et al. 2010:250 [ref. [30902](#)], McCosker & Rosenblatt 2010:188 [ref. [30957](#)], Motomura et al. 2010:70 [ref. [31256](#)], Zhang et al. 2010:181 [ref. [31511](#)], Matsunuma et al. 2010:81 [ref. [31558](#)], Fricke et al. 2011:348 [ref. [31242](#)], Marshall 2011:60 [ref. [31755](#)], Kottelat 2013:38 [ref. [32989](#)], Fricke et al. 2014:16 [ref. [33932](#)], Kottelat 2015:40 [ref. [33971](#)], Ho et al. 2015:142 [ref. [34130](#)], Zhang et al. 2016:46 [ref. [34477](#)], Miesen et al. 2016:80 [ref. [34492](#)], Koeda et al. 2016:6 [ref. [35333](#)], Abdul Kadir et al. 2017:103 [ref. [35571](#)], Fricke et al. 2018:30 [ref. [35805](#)], Sulaiman et al. 2018:26 [ref. [35802](#)], Wilkinson & Tan 2018:597 [ref. [36226](#)], Fricke et al. 2019:50 [ref. [36673](#)], Zajonz et al. 2019:61 [ref. [36871](#)]). **Current status:** Valid as *Anguilla marmorata* Quoy & Gaimard 1824. Anguillidae. Distribution: Indo-West Pacific: South African and East African watersheds and adjacent oceanic waters (including Madagascar and Mascarenes) east to Caroline Islands (Micronesia), Mariana Islands, Gambier Islands and Marquesas Islands, north to southern Japan, south to South Australia and New Caledonia. Habitat: freshwater, brackish, marine.

mauritiana, Anguilla Bennett [E. T.] 1831:128 [Proceedings of the Committee of Science and Correspondence of the Zoological Society of London 1830-31 (pt 1); ref. [16794](#)] Mauritius, Mascarenes, southwestern Indian Ocean. No types known. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Dor 1984:26 [ref. [29757](#)]). •Synonym of *Anguilla bengalensis* (Gray 1831) -- (Menon 1999:5 [ref. [24904](#)]). •Synonym of *Anguilla marmorata* Quoy & Gaimard 1824 -- (Ege 1939:36 [ref. [13172](#)], Okada 1961:592 [ref. [6363](#)], Castle 1984:36 [ref. [6171](#)], Castle 1986:161 [ref. [5644](#)], Kuang & Yu in Kuang et al. 1986:28 [ref. [26639](#)], Kuang in Pan et al. 1991:55 [ref. [23876](#)], Kim 1997:540 [ref. [24032](#)], Fricke 1999:37 [ref. [24106](#)], Youn 2002:490 [ref. [26218](#)], Fricke & Kulbicki 2006:316 [ref. [28867](#)], Fricke et al. 2011:348 [ref. [31242](#)], Kottelat 2013:38 [32989], Ho et al. 2015:142 [ref. [34130](#)]). **Current status:** Synonym of *Anguilla marmorata* Quoy & Gaimard 1824. Anguillidae. Habitat: freshwater, brackish, marine.

mediorostris, Anguilla Risso [A.] 1827:199 [Histoire naturelle des principales productions de l'Europe méridionale v. 3; ref. [3757](#)] Nice, France, northwestern Mediterranean Sea. Holotype (unique): MNHN (not found). •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. [7185](#)], Smith 1990:151 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

megastoma, Anguilla Kaup [J. J.] 1856:50, Pl. 8 (fig. 42) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Mangareva, Gambier Islands, French Polynesia. Holotype (unique): MNHN A-9952. Type catalog: Bauchot et al. 1993:96 [ref. [20810](#)]. Appeared first as name only in Kaup 1856:56 [ref. [2572](#)]. •Valid as *Anguilla megastoma* Kaup 1856 -- (Ege 1939:10 [ref. [13172](#)], Allen 1991:40 [ref. [21090](#)], Marquet & Mary 1999:31 [ref. [23933](#)], Marquet et al. 1999:43

[ref. [23934](#)], Smith 1999:1636 [ref. [24661](#)], Aoyama et al. 2000:159 [ref. [24529](#)], Laboute & Grandperrin 2000:56 [ref. [25191](#)], Huang et al. 2001:42 [ref. [25846](#)], Keith et al. 2002:86 [ref. [31473](#)], Randall et al. 2004:6 [ref. [27624](#)], McCosker et al. 2007:144 [ref. [28973](#)], Teng et al. 2009:817 [ref. [30569](#)], Watanabe et al. 2009:387 [ref. [30611](#)], Fricke et al. 2011:348 [ref. [31242](#)]). **Current status:** Valid as *Anguilla megastoma* Kaup 1856. Anguillidae. Distribution: Western Pacific: New Caledonia to Society and Gambier islands. Habitat: freshwater, brackish, marine.

melanochir, *Anguilla* Kaup [J. J.] 1856:35, Pl. 4 (fig. 19) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Tiber River, Italy. Holotype (unique): MNHN 0000-3764. Type catalog: Bauchot et al. 1993:96 [ref. [20810](#)]. Appeared first as name only in Kaup 1856:55 [ref. [2572](#)]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Smith 1990:152 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

microptera, *Anguilla* Kaup [J. J.] 1856:36, Pl. 4 (fig. 21) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Bay of Algeciras, Spain, eastern Atlantic. Holotype (unique): MNHN 0000-3766. Type catalog: Bauchot et al. 1993:96 [ref. [20810](#)]. Appeared first as name only in Kaup 1856:55 [ref. [2572](#)]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Smith 1990:152 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

migratoria, *Anguilla* Krøyer [H. N.] 1849:616 [Danmarks Fiske; ref. [18437](#)] Denmark. No types known. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Smith 1990:151 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

moa, *Anguilla* Bleeker [P.] 1849:22 [Verhandelingen van het Bataviaasch Genootschap van Kunsten en Wetenschappen. v. 23 (no. 12); ref. [16883](#)] Jakarta, Banjumas, Ambarawa, Java, Indonesia. Syntypes: SMNS 10652 (1) Java. •Synonym of *Anguilla bicolor* McClelland 1844 -- (Ege 1939:151 [ref. [13172](#)], Menon 1999:6 [ref. [24904](#)], Kottelat 2013:37 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla bicolor* McClelland 1844. Anguillidae. Habitat: freshwater, brackish, marine.

morena, *Anguilla* Kaup [J. J.] 1856:35, Pl. 3 (fig. 18) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Naples, Italy, Mediterranean Sea. Holotype (unique): MNHN 0000-3763. Type catalog: Bauchot et al. 1993:96 [ref. [20810](#)]. Appeared first as name only in Kaup 1856:55 [ref. [2572](#)]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Smith 1990:152 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

mossambica, *Muraena (Anguilla)* Peters [W. (C. H.)] 1852:684 [Monatsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin 1852; ref. [18539](#)] Molumbo [Lumbo] River, Mozambique [East Africa]. Holotype (unique): ZMB 6230. Also in Peters 1868:98, Pl. 18 (fig. 1) [ref. [3440](#)] as *Anguilla mossambica*. •Valid as *Anguilla mossambica* (Peters 1852) -- (Ege 1939:90 [ref. [13172](#)], Castle 1984:36 [ref. [6171](#)], Castle 1986:161 [ref. [5644](#)], Skelton 1993:105 [ref. [24071](#)], Quéro & Saldanha 1995:63 [ref. [22017](#)], Tagliavini et al. 1996:271 [ref. [25516](#)], Aoyama et al. 1996:374 [ref. [24707](#)], Reinthal & Stiassny 1997:354 [ref. [22780](#)], Fricke 1999:38 [ref. [24106](#)], Keith et al. 1999:76 [ref. [24548](#)], Stiassny & Harrison 2000:147 [ref. [25252](#)], Huang et al. 2001:42 [ref. [25846](#)], Skelton 2001:105 [ref. [27406](#)], Seegers et al. 2003:30 [ref. [28087](#)], Fricke et al. 2009:14 [ref. [30213](#)], Teng et al. 2009:817 [ref. [30569](#)], Marshall 2011:61 [ref. [31755](#)], Fricke et al. 2018:31 [ref. [35805](#)]). **Current status:** Valid as *Anguilla mossambica* (Peters 1852). Anguillidae. Distribution: Western Indian Ocean, southeastern Africa: South African and East African watersheds and adjacent oceanic waters including Madagascar and western Mascarenes. Habitat: freshwater, brackish, marine.

mowa, *Anguilla* Bleeker [P.] 1852:16 [Verhandelingen van het Bataviaasch Genootschap van Kunsten en Wetenschappen. v. 25 (art. 5); ref. [339](#)] Jakarta, Banjoemas, Ambarawa, and Java, Indonesia. Syntypes: (5). Unjustified emendation of *Anguilla moa* Bleeker 1849. •In the synonymy of *Anguilla bicolor* McClelland 1844 -- (Ege 1939:151 [ref. [13172](#)], Menon 1999:6 [ref. [24904](#)], Kottelat 2013:37 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla bicolor* McClelland 1844. Anguillidae. Habitat: freshwater, brackish, marine.

mucocephala, *Anguilla vulgaris* var. De la Pylaie [A. J. M.] 1835:529 [Congrès Scientifique de France v. 2 (Sept. 1834) (art. 5); ref. [1086](#)] Typed as *mucocephala* in hand-typed copy taken from original in CAS files; original not seen. Appeared as a variety of "L'Anguille ordinaire..." Not available, not distinguished from other forms. •In the synonymy of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. [7185](#)], Smith 1990:151 [ref. [13454](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: marine.

myriaster, *Anguilla* Brevoort [J. C.] 1856:282 [30], Pl. 11 (fig. 2) [Notes on some figures of Japanese fish taken from recent specimens by the artists of the U. S. Japan Expedition. Pp. 253-288, Pls. 3-12 (color) In: M. C. Perry, Narrative of the Expedition of an American Squadron to the China Seas and Japan.; ref. [17284](#)] Hakodate, Hokkaido, Japan. No types known. On p. 30 of separate. Based on a drawing. •Valid as *Conger myriaster* (Brevoort 1856) -- (Asano in Masuda et al. 1984:28 [ref. [6441](#)], Machida in Okamura & Kitajima 1984:93, 318 [ref. [8057](#)], Smith 1989:515 [ref. [13285](#)], Cheng & Zhou 1997:98 [ref. [26385](#)], Nakabo 2000:229 [ref. [25086](#)], Smith in Randall & Lim 2000:586 [ref. [25122](#)], Shimizu 2001:20 [ref. [25799](#)], Shinohara et al. 2001:294 [ref. [25995](#)], Nakabo 2002:229 [ref. [26001](#)], Youn 2002:146,494 [ref. [26218](#)], Shinohara et al. 2005:401 [ref. [28370](#)], Zhang et al. 2010:199 [ref. [31511](#)], Shinohara et al. 2014:237 [ref. [33330](#)], Ho et al. 2015:146 [ref. [34130](#)], Motomura et al. 2015:14 [ref. [34709](#)], Smith et al. 2016:737 [ref. [34834](#)], Smith & Ho 2018:178 [ref. [36044](#)]). **Current status:** Valid as *Conger myriaster* (Brevoort 1856). Congridae: Congrinae. Distribution: Western North Pacific: China, Japan and Taiwan. Habitat: marine.

nebulosa, *Anguilla* McClelland [J.] 1844:179, 202, Pl. 5 (fig. 2) [Calcutta Journal of Natural History v. 5 (no. 18); ref. [2928](#)] Bengal, India and Sandoway, Burma. Syntypes: SMF 993 (1). •Synonym of *Anguilla bengalensis* (Gray 1831) -- (Talwar & Jhingran 1991:74 [ref. [20764](#)], Menon 1999:5 [ref. [24904](#)], Aatur Rahman 2003:55 [ref. [31338](#)], Kottelat 2013:37 [ref. [32989](#)]). •Valid as *Anguilla nebulosa* McClelland 1844 -- (Ege 1939:36 [ref. [13172](#)], Pethiyagoda 1991:46 [ref. [20075](#)], Kottelat et al. 1993:8 [ref. [23448](#)], Zhu 1995:18 [ref. [25213](#)], Huang et al. 2001:42 [ref. [25846](#)], Zhang et al. 2010:182 [ref. [31511](#)], Zhang et al. 2016:46 [ref. [34477](#)], Miesen et al. 2016:81 [ref. [34492](#)]). **Current status:** Valid as *Anguilla nebulosa* McClelland 1844. Anguillidae. Distribution: Indo-West Pacific. Habitat: freshwater, brackish, marine.

nigricans, *Anguilla* Chu [Y.-T.] & Wu [Y. T.] in Chu 1984:185, Fig. 124 [ref. [8173](#)] Xiamen, China. Holotype (unique): SFC 60-9452. Second author is H. W. Wu. •Valid as *Anguilla nigricans* Chu & Wu 1984 -- (Kuang in Pan et al. 1991:54 [ref. [23876](#)]). •Synonym of *Anguilla japonica* Temminck & Schlegel 1846 -- (Zhang et al. 2010:178 [ref. [31511](#)], Zhang et al. 2016:46 [ref. [34477](#)]). **Current status:** Synonym of *Anguilla japonica* Temminck & Schlegel 1846. Anguillidae. Habitat: freshwater, brackish, marine.

nigropunctata, *Anguilla* Cuvier [G.] in Kaup 1856:53 [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Not available, name (as *Anguilla nigro-punctata*) mentioned in synonymy of *Anguilla australis*. Anguillidae.

nilotica, *Anguilla* Heckel [J. J.] 1847:313 [Reisen in Europa, Asien und Africa v. 2 (pt 3); ref. [2068](#)] Nile River, Egypt, North Africa. Syntypes: MNHN 0000-3769 to 0000-3771 (1, 1, 1). Type catalog: Bauchot et al. 1993:96 [ref. [20810](#)] but with authorship as Kaup 1857. •Synonym of *Anguilla anguilla* (Linnaeus 1758) [sometimes with authorship as Kaup 1856 or 1857] -- (Blache et al. 1973:221 [ref. [7185](#)], Castle 1984:34 [ref. [6171](#)], Smith 1990:152 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

nilotica, *Muraena anguilla* var. Bloch [M. E.] & Schneider [J. G.] 1801:487 [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] No locality. No types known. Name Latinized in index from *niloticam*.

novaeorleanensis, *Anguilla* Kaup [J. J.] 1856:43, Pl. 6 (fig. 33) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] New Orleans, Louisiana, U.S.A. Syntypes: MNHN B-2111 (2). Type catalog: Bauchot et al. 1993:96 [ref. [20810](#)]. Appeared first as name only in Kaup 1856:55 [ref. [2572](#)]. •Synonym of *Anguilla rostrata* (Lesueur 1817) -- (Ege 1939:90 [ref. [13172](#)], Smith 1989:34 [ref. [13285](#)], Ferraris in Reis et al. 2003:33 [ref. [27061](#)]). **Current status:** Synonym of *Anguilla rostrata* (Lesueur 1817). Anguillidae. Habitat: freshwater, brackish, marine.

novaterrae, *Anguilla* Kaup [J. J.] 1856:45, Pl. 7 (fig. 35) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Newfoundland, Canada. Holotype (unique): MNHN B-2106. Type catalog: Bauchot et al. 1993:96 [ref. [20810](#)]. Appeared first as name only in Kaup 1856:55 [ref. [2572](#)] as *novaterrae*. •Synonym of *Anguilla rostrata* (Lesueur 1817) -- (Ege 1939:90 [ref. [13172](#)], Smith 1989:34 [ref. [13285](#)], Bauchot et al. 1993:94 [ref. [20810](#)], Scott & Crossman 1998:628 [ref. [24570](#)], Ferraris in Reis et al. 2003:33 [ref. [27061](#)]). **Current status:** Synonym of *Anguilla rostrata* (Lesueur 1817). Anguillidae. Habitat: freshwater, brackish, marine.

oblongirostris, *Anguilla* Blanchard [C. E.] 1866:496 [Les poissons des eaux douces de la France; ref. [310](#)] Huveaune stream, near Marseille, France; Lot river; Lake Bourget, France. Syntypes: MNHN 1880-0343 (5), 9985 (1). Type catalog: Bauchot et al. 1993:96 [ref. [20810](#)]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Smith 1990:152 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:36 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

obscura, *Anguilla* Günther [A.] 1872:673 [Proceedings of the Zoological Society of London 1871 (pt 3) (art. 1) (for 21 Nov. 1871); ref. [1997](#)] Kanathea, Fiji Islands. Holotype (unique): BMNH 1871.9.13.145. •Valid as *Anguilla obscura* Günther 1872 -- (Ege 1939:152 [ref. [13172](#)], Castle 1984:37 [ref. [6171](#)], Paxton et al. 1989:123 [ref. [12442](#)], Allen 1991:41 [ref. [21090](#)], Marquet & Mary 1999:31 [ref. [23933](#)], Marquet et al. 1999:43 [ref. [23934](#)], Smith 1999:1636 [ref. [24661](#)], Pusey et al. 2000:72 [ref. [24466](#)], Laboute & Grandperrin 2000:56 [ref. [25191](#)], Huang et al. 2001:42 [ref. [25846](#)], Allen et al. 2002:62 [ref. [25930](#)], Keith et al. 2002:88 [ref. [31473](#)], Randall et al. 2004:6 [ref. [27624](#)], McCosker et al. 2007:144 [ref. [28973](#)], Hoese & Gates 2006:237 [ref. [28997](#)], Teng et al. 2009:817 [ref. [30569](#)], Fricke et al. 2011:348 [ref. [31242](#)], Kottelat 2013:39 [ref. [32989](#)], Fricke et al. 2014:16 [ref. [33932](#)], Miesen et al. 2016:81 [ref. [34492](#)], Pusey et al. 2017:17 [ref. [35250](#)]). **Current status:** Valid as *Anguilla obscura* Günther 1872. Anguillidae. Distribution: Eastern Australia and Papua New Guinea east to Tuamotu Archipelago and Gambier Islands. Habitat: freshwater, brackish, marine.

obtusa, *Anguilla (Ophisoma)* Swainson [W.] 1839:334, 395 [The natural history and classification v. 2; ref. [4303](#)] Sicily, Mediterranean Sea. No types known. •Synonym of *Conger conger* (Linnaeus 1758) -- (Smith 1990:159 [ref. [13454](#)]). **Current status:** Synonym of *Conger conger* (Linnaeus 1758). Congridae: Congrinae. Habitat: marine.

occidentalis, *Anguilla australis* forma Schmidt [J.] 1928:198, 203, Fig. 9d-f [Records of the Australian Museum v. 16 (no. 4); ref. [18703](#)] Eastern Australia and Lord Howe Island. Syntypes: (several) ?AMS IA.3995-97 (3) Lord Howe I. Appeared first as a postscript in Schmidt 1928:388 [ref. [18704](#)] but without identifying characters. Described as a new "forma" along with *A. a. orientalis*, the forma occurring in New Zealand (for which features were provided). •Synonym of *Anguilla australis* Richardson 1841 -- (Ege 1939:152 [ref. [13172](#)], Paxton et al. 1989:122 [ref. [12442](#)], Gomon et al. 1994:304 [ref. [22532](#)], Hoese & Gates 2006:236 [ref. [28997](#)], Kuitert 2018:11 [ref. [36369](#)]). **Current status:** Synonym of *Anguilla australis* Richardson 1841. Anguillidae. Habitat: freshwater, brackish, marine.

oceanica, *Anguilla* Mitchill [S. L.] 1818:407 [Journal of the Academy of Natural Sciences, Philadelphia v. 1 (pt 2); ref. [17775](#)] Near Bloch Island, off New York, U.S.A. No types known. •Valid as *Conger oceanicus* (Mitchill 1818) -- (Smith 1986:393 [ref. [22186](#)], Robins & Ray 1986:57 [ref. [23100](#)],

Edwards & Glass 1987:628 [ref. [9166](#)], Scott & Scott 1988:82 [ref. [25518](#)], Smith 1989:509 [ref. [13285](#)], Smith 1989:742 [ref. [13285](#)], McAllister 1990:49 [ref. [14674](#)], Boschung 1992:37 [ref. [23239](#)], Murdy et al. 1997:64 [ref. [23144](#)], McEachran & Fechhelm 1998:300 [ref. [23897](#)], Smith & Tighe in Collette & Klein-MacPhee 2002:101 [ref. [26158](#)], Smith 2003:750 [ref. [26989](#)], Moore et al. 2003:174 [ref. [27076](#)], Nelson et al. 2004:64 [ref. [27807](#)], Page et al. 2013:64 [ref. [32708](#)]. **Current status:** Valid as *Conger oceanicus* (Mitchill 1818). Congridae: Congrinae. Distribution: Western Atlantic; reported from St. Helena. Habitat: marine.

orientalis, *Anguilla australis* forma Schmidt [J.] 1928:388 [Transactions of the New Zealand Institute v. 58 (no. 4); ref. [18704](#)] New Zealand. Syntypes: (several) Carlsberg Lab., Copenhagen or NMNZ. Name first mentioned in the postscript of the above reference, but treated in more detail in Schmidt 1928 [ref. [18703](#)]. •Synonym of *Anguilla australis* Richardson 1841, subspecies *schmidtii* Phillipps 1925 -- (Ege 1939:152 [ref. [13172](#)] as *schmidtii*). •Synonym of *Anguilla australis* Richardson 1841 -- (Paxton et al. 1989:122 [ref. [12442](#)]). **Current status:** Synonym of *Anguilla australis* Richardson 1841. Anguillidae. Habitat: freshwater, brackish, marine.

ornithorincha, *Anguilla* var. De la Pylaie [A. J. M.] 1835:529 [Congrès Scientifique de France v. 2 (Sept. 1834) (art. 5); ref. [1086](#)] Appeared as a variety of "L'Anguille ordinaire..." = *vulgaris*. Not available, not distinguished from other forms. •In the synonymy of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. [7185](#)], Smith 1990:151 [ref. [13454](#)], Tesch 1991:390 [ref. [24843](#)] as *ornithorhyncha*, Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae.

orthoentera, *Anguilla* Balsamo-Crivelli [G. G.] & Maggi [L.] 1872:229, Pl. [Memorie del Reale Istituto Lombardo di Scienze e Lettere, Classe di Scienze Matematiche e Naturali (Ser. 3) v. 3; ref. [15763](#)] Italy. Original not seen. Anguillidae. Habitat: freshwater, brackish, marine.

otaheitensis, *Anguilla* Kaup [J. J.] 1859:17, Pl. 2 (fig. 2) [Abhandlungen aus dem Gebiete der Naturwissenschaften herausgegeben von dem Naturwissenschaftlichen Verein in Hamburg v. 4 (no. 2); ref. [2586](#)] Tahiti, Society Islands. Holotype (unique): ZMH H388. Type catalog: Ladiges et al. 1958:160 [ref. [19181](#)], Wilkens & Dohse 1993:404 [ref. [21161](#)]. •Synonym of *Anguilla megastoma* Kaup 1856 -- (Ege 1939:10 [ref. [13172](#)]). **Current status:** Synonym of *Anguilla megastoma* Kaup 1856. Anguillidae. Habitat: freshwater, brackish, marine.

oxycephala, *Anguilla* var. De la Pylaie [A. J. M.] 1835:529 [Congrès Scientifique de France v. 2 (Sept. 1834) (art. 5); ref. [1086](#)] Appeared as a variety of "L'Anguille ordinaire..." = *vulgaris*. Not available, not distinguished from other forms. •In the synonymy of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. [7185](#)], Tesch 1991:390 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae.

oxyrhina, *Muraena* Ekström [C. U.] 1832:287 [Kongliga Vetenskaps-Academiens Handlingar, Stockholm; ref. [13467](#)] Mörkö Island, near Stockholm, Sweden. No types known. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. [7185](#)], Smith 1990:151 [ref. [13454](#)], Tesch 1991:390 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

pacifica, *Anguilla* Schmidt [J.] 1928:190, 206 [Records of the Australian Museum v. 16 (no. 4); ref. [18703](#)] Pacific, north of the equator. Syntypes: (several) whereabouts unknown. Written description of this species is apparently lacking in the text, but several tables within the work list meristic counts. Often seen dated to Schmidt 1932. •Synonym of *Anguilla bicolor* McClelland 1844 -- (Ege 1939:152 [ref. [13172](#)], Kottelat 2013:37 [ref. [32989](#)]). •Synonym of *Anguilla bicolor* McClelland 1844, but a valid subspecies *pacifica* Schmidt 1928 -- (Allen & Coates 1990:54 [ref. [25561](#)], Allen et al. 1992:298 [ref. [21400](#)], Keith et al. 1999:74 [ref. [24548](#)], Huang et al. 2001:42 [ref. [25846](#)], Teng et al. 2009:817 [ref. [30569](#)], Motomura et al. 2010:69 [ref. [31256](#)]). •Valid as *Anguilla pacifica* Schmidt 1928 -- (Fricke et al. 2014:16 [ref. [33932](#)], Ho et al. 2015:141 [ref. [34130](#)] as *Anguilla bicolor pacifica*). **Current**

status: Synonym of *Anguilla bicolor* McClelland 1844. Anguillidae. Distribution: Western Pacific (if valid). Habitat: freshwater, brackish, marine.

pekinensis, Muraena Basilewsky [S.] 1855:246, Pl. 3 (fig. 2) [Nouveaux mémoires de la Société impériale des naturalistes de Moscou v. 10; ref. [200](#)] China: streams near Tianjin and Beijing. No types at ZIN. •Synonym of *Anguilla japonica* Temminck & Schlegel 1846 -- (Ege 1939:89 [ref. [13172](#)], Zhang et al. 2010:178 [ref. [31511](#)], Kottelat 2013:38 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla japonica* Temminck & Schlegel 1846. Anguillidae. Habitat: freshwater, brackish, marine.

pictus, Anguilla (Ophisurus) Swainson [W.] 1839:334, 395 [The natural history and classification v. 2; ref. [4303](#)] Sicily, Italy, Mediterranean Sea. Ophichthidae: Ophichthinae. Habitat: marine.

platirostris, Anguilla vulgaris Döderlein [P.] 1879:58 [Atti della Accademia di Scienze, Lettere ed Arti di Palermo (Nuova Serie) v. 6; ref. [17413](#)] Anguillidae.

platycephala, Anguilla Kaup [J. J.] 1856:38, Pl. 5 (fig. 25) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Abbeville, France. Syntypes: MNHN 0000-3210 (1), 0000-5707 (now 4). Type catalog: Bauchot et al. 1993:97 [ref. [20810](#)] with 3210 as holotype. Appeared first as name only in Kaup 1856:55 [ref. [2572](#)]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Smith 1990:152 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)] as *platycephalo*, Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

platyrhina, Muraena Ekström [C. U.] 1832:287 [Kongliga Vetenskaps-Academiens Handlingar, Stockholm; ref. [13467](#)] Mörkö Island, near Stockholm, Sweden. No types known. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. [7185](#)], Smith 1990:151 [ref. [13454](#)], Tesch 1991:390 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

platyrhynchus, Anguilla Costa [O. G.] 1850:Anguilla p. 50, Pls. 58, 60 (figs. 3a, 3b) [Fauna del regno di Napoli Part 1; ref. [976](#)] Lake Ligola, Italy. Syntypes: whereabouts unknown. Published 10 July 1850. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Smith 1990:151 [ref. [13454](#)], Tesch 1991:389 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

platyura, Anguilla var. De la Pylaie [A. J. M.] 1835:529 [Congrès Scientifique de France v. 2 (Sept. 1834) (art. 5); ref. [1086](#)] Appeared as a variety of "L'Anguille ordinaire..." = *vulgaris*. Not available, not distinguished from other forms. •In the synonymy of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. [7185](#)], Smith 1990:151 [ref. [13454](#)], Tesch 1991:390 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae.

poonaensis, Nemacheilus Menon [A. G. K.] 1950:226, Fig. 1 a [Records of the Indian Museum (Calcutta) v. 47 (pt 2) (for 1949); ref. [2981](#)] Moola-Mootha [Mula-Mutha] River, Kistna draiage, Poona, Mumbai State, India. Holotype: ZSI F242/2. Paratypes: ZSI F243/2 (7). Type catalog: Menon & Yazdani 1968:124 [ref. [20743](#)]. Original genus is correctly *Nemacheilus*. See Das 2003:364 [ref. [27706](#)] as *poonanensis*. •Synonym of *Nemacheilus anguilla* Annandale 1919 -- (Menon 1987:156 [ref. [14149](#)] as *Noemacheilus*, Talwar & Jhingran 1991:469 [ref. [20764](#)], Menon 1999:183 [ref. [24904](#)] as *Noemacheilus*). •Valid as *Nemacheilus poonaensis* Menon 1950 -- (Bănărescu & Nalbant 1995:435 [ref. [23187](#)]). •Synonym of '*Nemacheilus*' *poonaensis* Annandale 1949 -- (Kottelat 2012:90 [ref. [32367](#)]). **Current status:** Synonym of *Nemacheilus anguilla* Annandale 1919. Nemacheilidae. Habitat: freshwater.

porphyrea, Anguilla Günther [A.] (ex Hodgson) 1861:226 [Proceedings of the Zoological Society of London 1861 (pt 2) (art. 3) (for 28 May 1861); ref. [18214](#)] Rosi Khola, a clear hill-stream, central

region of Nepal. No types known. Based on a drawing. Perhaps not intended as new by Günther, who cited Hodgson's species name. Anguillidae.

punctatissima, *Anguilla* Kaup [J. J.] 1856:44 [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Niagara Falls, U.S.A. and Canada. Holotype (unique): MNHN (not found). Type catalog: Bauchot et al. 1993:124 [ref. [20810](#)]. Appeared first without description in Kaup 1856:55 [ref. [2572](#)]. •Synonym of *Anguilla rostrata* (Lesueur 1817) -- (Ege 1939:90 [ref. [13172](#)], Smith 1986:62 [ref. [22186](#)], Smith 1989:34 [ref. [13285](#)], Scott & Crossman 1998:628 [ref. [24570](#)], Ferraris in Reis et al. 2003:33 [ref. [27061](#)]). **Current status:** Synonym of *Anguilla rostrata* (Lesueur 1817). Anguillidae. Habitat: freshwater, brackish, marine.

puncticulata, *Anguilla (Ophisurus)* Swainson [W.] 1839:334 [The natural history and classification v. 2; ref. [4303](#)] Based on Ham. fig. 5 -- which is Hamilton 1822:Pl. 5 (fig. 5) [ref. [2031](#)]. Unneeded new name for *Ophisurus hijala* Hamilton 1822. •Synonym of *Pisodonophis hijala* (Hamilton 1822) -- (Kottelat 2013:47 [ref. [32989](#)]). **Current status:** Synonym of *Pisodonophis hijala* (Hamilton 1822). Ophichthidae: Ophichthinae. Habitat: marine.

pusillipinna, *Mixomyrophis* McCosker [J. E.] 1985:10, Figs. 1-2, 6b [Proceedings of the California Academy of Sciences (Series 4) v. 44 (no. 2); ref. [5238](#)] Off Anguilla, Lesser Antilles, 18°26.4'N, 63°12.6'W to 18°28'N, 63°11.1'W, depth 393-451 meters. Holotype (unique): ANSP 152305 [ex UMML 30290]. •Valid as *Mixomyrophis pusillipinna* McCosker 1985 -- (McCosker et al. 1989:279 [ref. [13288](#)], Leiby in Smith 1989:770 [ref. [13285](#)], Schmitter-Soto et al. 2000:149 [ref. [27754](#)], McCosker 2003:732 [ref. [26993](#)], Hibono et al. 2014:xx [ref. [33410](#)]). **Current status:** Valid as *Mixomyrophis pusillipinna* McCosker 1985. Ophichthidae: Myrophinae. Distribution: Western Atlantic. Habitat: marine.

reinhardtii, *Anguilla* Steindachner [F.] 1867:15, Figs. a-b [Sitzungsberichte der Mathematisch-Naturwissenschaftlichen Classe der Kaiserlichen Akademie der Wissenschaften v. 55 (1. Abth.); ref. [4214](#)] Fitzroy River, Rockhampton, Queensland, Australia. Holotype (unique): NMW 3307. •Valid as *Anguilla reinhardtii* Steindachner 1867 -- (Ege 1939:36 [ref. [13172](#)] as *reinhardtii*, Cadwallader & Backhouse 1983:56 [ref. [25473](#)], Paxton et al. 1989:123 [ref. [12442](#)], Allen 1991:41 [ref. [21090](#)], Kuitert 1993:29 [ref. [23929](#)], Gommon et al. 1994:205 [ref. [22532](#)], Aoyama et al. 1996:374 [ref. [24707](#)] as *reinhardtii*, Beumer in McDowall 1996:42 [ref. [22909](#)], Chilcott & Humphries 1996:145 [ref. [25528](#)], McDowall et al. 1998:1 [ref. [23822](#)], Marquet & Mary 1999:31 [ref. [23933](#)], Smith 1999:1636 [ref. [24661](#)], Johnson 1999:721 [ref. [25471](#)], Pusey et al. 2000:72 [ref. [24466](#)], Allen et al. 2000:30 [ref. [27467](#)], Huang et al. 2001:42 [ref. [25846](#)] as *reinhardtii*, Allen et al. 2002:63 [ref. [25930](#)], Larson & Pidgeon 2004:196 [ref. [28107](#)], Hoese & Gates 2006:237 [ref. [28997](#)], Gommon 2008:157 [ref. [30616](#)], Teng et al. 2009:817 [ref. [30569](#)], Fricke et al. 2011:348 [ref. [31242](#)], Kottelat 2013:39 [ref. [32989](#)], McDowall et al. 2015:223 [ref. [34232](#)], Pusey et al. 2017:16 [ref. [35250](#)], Kuitert 2018:12 [ref. [36369](#)]). **Current status:** Valid as *Anguilla reinhardtii* Steindachner 1867. Anguillidae. Distribution: Southwestern Pacific: Australia, New Guinea and New Caledonia. Habitat: freshwater, brackish, marine.

remifera, *Anguilla* Jordan [D. S.] & Evermann [B. W.] 1902:325, Fig. 7 [Proceedings of the United States National Museum v. 25 (no. 1289); ref. [2447](#)] Hokoto [Hokuto, Taipei City], Taiwan. Holotype: ZUMT 12064 (apparently lost). Type catalog: Ho & Shao 2011:21 [ref. [31432](#)]. The holotype is apparently lost (Kazuo Sakamoto, pers. comm. 2007, cited in Ho & Shao 2011:21 [ref. [31432](#)]). •Synonym of *Anguilla japonica* Temminck & Schlegel 1846 -- (Ege 1939:89 [ref. [13172](#)], Okada 1961:589 [ref. [6363](#)], Ho & Shao 2011:21 [ref. [31432](#)], Kottelat 2013:38 [ref. [32989](#)], Ho et al. 2015:142 [ref. [34130](#)], Ho et al. 2015:7 [ref. [34116](#)]). **Current status:** Synonym of *Anguilla japonica* Temminck & Schlegel 1846. Anguillidae. Habitat: freshwater, brackish, marine.

rostrata, *Muraena* Lesueur [C. A.] 1817:81 [Journal of the Academy of Natural Sciences, Philadelphia v. 1 (pt 1, no. 5) (19 Aug.); ref. [17509](#)] Cayuga and Geneva lakes, New York, U.S.A. No types known. See Smith 1989:35 [ref. [13285](#)] for nomenclatural discussion. •Synonym of *Anguilla anguilla* (Linnaeus 1758), but a valid subspecies -- (Chereshnev 1996:599 [ref. [24659](#)]). •Valid as *Anguilla*

rostrata (Lesueur 1817) -- (Ege 1939:89 [ref. [13172](#)], Lee et al. 1980:59 [ref. [22416](#)], Villa 1982:81 [ref. [36708](#)], Smith 1986:59 [ref. [22186](#)], Robins & Ray 1986:49 [ref. [23100](#)], Bussing 1987:64 [ref. [22927](#)], Robison & Buchanan 1988:102 [ref. [23393](#)], Scott & Scott 1988:75 [ref. [25518](#)], Smith 1989:34, 898 [ref. [13285](#)], McAllister 1990:46 [ref. [14674](#)], Tomelleri & Eberle 1990:33 [ref. [24089](#)], Page & Burr 1991:32 [ref. [18983](#)], Cervigón 1991:28 [ref. [24472](#)], Boschung 1992:31 [ref. [23239](#)], Cervigón 1992:254 [ref. [23827](#)], Espinosa Pérez et al. 1993:8 [ref. [22290](#)], Etnier & Starnes 1993:119 [ref. [22809](#)], Jenkins & Burkhead 1994:203 [ref. [21581](#)], Warren et al. 1994:132 [ref. [25557](#)], Knight & Hastings 1994:149 [ref. [25560](#)], Stauffer et al. 1995:44 [ref. [23376](#)], Cross & Collins 1995:39 [ref. [23394](#)], Tagliavini et al. 1996:271 [ref. [25516](#)], Aoyama et al. 1996:374 [ref. [24707](#)], Mettee et al. 1996:111 [ref. [25836](#)], Greenfield & Thomerson 1997:53 [ref. [22947](#)], Murdy et al. 1997:62 [ref. [23144](#)], McEachran & Fechhelm 1998:222 [ref. [23897](#)], Bussing 1998:64 [ref. [24179](#)], Aguilera 1998:46 [ref. [24221](#)], Scott & Crossman 1998:624 [ref. [24570](#)], Castro-Aguirre et al. 1999:95 [ref. [24550](#)], Smith-Vaniz et al. 1999:128 [ref. [25013](#)], Fuller et al. 1999:37 [ref. [25838](#)], Lyons et al. 2000:21 [ref. [26594](#)], Schmitter-Soto et al. 2000:147 [ref. [27754](#)], Huang et al. 2001:42 [ref. [25846](#)], Ross et al. 2001:99 [ref. [25978](#)], Smith & Tighe in Collette & Klein-MacPhee 2002:93 [ref. [26158](#)], Lim et al. 2002:64 [ref. [28310](#)], Ferraris in Reis et al. 2003:33 [ref. [27061](#)], Smith 2003:692 [ref. [26989](#)], Nelson et al. 2004:60 [ref. [27807](#)], Bailey et al. 2004:67 [ref. [27882](#)], Miller & Robison 2004:64 [ref. [27931](#)], Boschung & Mayden 2004:129 [ref. [27995](#)], Scharpf 2005:9 [ref. [28940](#)], Miller 2006:87 [ref. [28615](#)], Teng et al. 2009:817 [ref. [30569](#)], Minckley & Marsh 2009:70 [ref. [31114](#)], Matamoros et al. 2009:7 [ref. [31241](#)], Møller et al. 2010:20 [ref. [31169](#)], Mecklenburg et al. 2011:117 [ref. [31212](#)], Page & Burr 2011:146 [ref. [31215](#)], Page et al. 2013:60 [ref. [32708](#)], Phillip et al. 2013:14 [ref. [32896](#)], Angulo et al. 2013:989 [ref. [33194](#)], Smith-Vaniz & Jelks 2014:22 [ref. [33341](#)], Springer & Johnson 2015:607 [ref. [33937](#)], Robins et al. 2018:61 [ref. [35886](#)]). **Current status:** Valid as *Anguilla rostrata* (Lesueur 1817). Anguillidae. Distribution: Western Atlantic north to Newfoundland and Greenland; North, Central and South America; West Indies and in Atlantic and Caribbean draining rivers. Habitat: freshwater, brackish, marine.

savignyi, *Anguilla* Kaup [J. J.] 1856:55 [Archiv für Naturgeschichte v. 22 (pt. 1); ref. [2572](#)] [Napoli] Naples, Italy, Mediterranean Sea. Holotype: MNHN 0000-3131 [?3731]. Type catalog: Bauchot et al. 1993:97 [ref. [20810](#)]. Also in Kaup 1856:34 [ref. [2573](#)]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Smith 1990:152 [ref. [13454](#)], Tesch 1991:390 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

schmidtii, *Anguilla* Phillipps [W. J.] 1925:30, Fig. 4 [The New Zealand Journal of Science and Technology v. 8 (no. 2); ref. [23932](#)] Foxton, western coast of Wellington, New Zealand. Holotype (unique): NMNZ. •Synonym of *Anguilla australis* Richardson 1841, but a valid subspecies -- (Ege 1939:152 [ref. [13172](#)], Marquet & Mary 1999:31 [ref. [23933](#)], Huang et al. 2001:42 [ref. [25846](#)] as *schmidti* and Phillips, Teng et al. 2009:817 [ref. [30569](#)]). •Synonym of *Anguilla australis* Richardson 1841 -- (Fricke & Kulbicki 2006:316 [ref. [28867](#)], Fricke et al. 2011:348 [ref. [31242](#)]). **Current status:** Synonym of *Anguilla australis* Richardson 1841. Anguillidae. Habitat: freshwater, brackish, marine.

septembrina, *Anguilla* Bonaparte [C. L.] 1846:38 [Atti della Settima Adunanza degli Scienziati Italiani Sesta Riunione, Milano 7a Adunanza, Napoli, Part 2; ref. [519](#)] Not available, no distinguishing features. •In the synonymy of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. [7185](#)], Smith 1990:151 [ref. [13454](#)], Tesch 1991:390 [ref. [24843](#)], Kottelat 1997:35 [ref. [22952](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae.

serpens, *Anguilla* Shaw [G.] 1803:23 [General zoology or systematic natural history v. 4; ref. [4014](#)] Mediterranean Sea, [northern seas] northeastern Atlantic Ocean. No types known. •Synonym of *Ophichthus ophis* (Linnaeus 1758). **Current status:** Synonym of *Ophichthus ophis* (Linnaeus 1758). Ophichthidae: Ophichthinae. Habitat: marine.

serpentina, *Muraena* Lesueur [C. A.] 1817:81 [Journal of the Academy of Natural Sciences, Philadelphia v. 1 (pt 1, no. 5) (19 Aug.); ref. [17509](#)] Harbor of Newport, Rhode Island, U.S.A. No types known. •Synonym of *Anguilla rostrata* (Lesueur 1817) -- (Ege 1939:89 [ref. [13172](#)], Smith 1989:34

[ref. [13285](#)], Scott & Crossman 1998:628 [ref. [24570](#)], Ferraris in Reis et al. 2003:33 [ref. [27061](#)]). **Current status:** Synonym of *Anguilla rostrata* (Lesueur 1817). Anguillidae. Habitat: freshwater, brackish, marine.

sidat, Anguilla Bleeker [P.] 1852:17 [Verhandelingen van het Bataviaasch Genootschap van Kunsten en Wetenschappen. v. 25 (art. 5); ref. [339](#)] Tjikandi, Tjampea, Jakarta, and western Java, Indonesia. Syntypes and/or Bleeker specimens: (12) AMS B.8207 (1), BMNH 1867.11.28.231 [or .231] (1) no locality, NMV A947 (2). •Synonym of *Anguilla bicolor* McClelland 1844 -- (Ege 1939:151 [ref. [13172](#)], Kottelat 2013:37 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla bicolor* McClelland 1844. Anguillidae. Habitat: freshwater, brackish, marine.

sinensis, Anguilla McClelland [J.] 1843:406, Pl. 25 (fig. 2) [Calcutta Journal of Natural History v. 4 (no. 4); ref. [2927](#)] Chusan, China. No types known. •Synonym of *Anguilla japonica* Temminck & Schlegel 1846 -- (Zhang et al. 2010:178 [ref. [31511](#)], Ho et al. 2015:142 [ref. [34130](#)]). **Current status:** Synonym of *Anguilla japonica* Temminck & Schlegel 1846. Anguillidae. Habitat: freshwater, brackish, marine.

spengeli, Anguilla Weber [M.] 1912:591, Fig. G [Zoologische Jahrbücher. Jena, Supplementband Suppl. 15 (no. 1); ref. [17832](#)] Java, Indonesia; Borneo. Syntypes: (several) ZMA 116466 (1). Type catalog: Nijssen et al. 1982:7 [ref. [19236](#)]. •Synonym of *Anguilla bicolor* McClelland 1844 -- (Ege 1939:152 [ref. [13172](#)], Kottelat et al. 1993:7 [ref. [23448](#)], Kottelat 2013:37 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla bicolor* McClelland 1844. Anguillidae. Habitat: freshwater, brackish, marine.

tenuirostris, Anguilla DeKay [J. E.] 1842:310, Pl. 53 (fig. 173) [Zoology of New-York; ref. [1098](#)] New York, U.S.A. No types known. •Synonym of *Anguilla rostrata* (Lesueur 1817) -- (Ege 1939:89 [ref. [13172](#)], Smith 1986:62 [ref. [22186](#)], Smith 1989:34 [ref. [13285](#)], Ferraris in Reis et al. 2003:33 [ref. [27061](#)]). **Current status:** Synonym of *Anguilla rostrata* (Lesueur 1817). Anguillidae. Habitat: freshwater, brackish, marine.

texana, Anguilla Kaup [J. J.] 1856:45, Pl. 7 (fig. 36) [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Texas, U.S.A. Holotype (unique): MNHN B-2109. Type catalog: Bauchot et al. 1993:97 [ref. [20810](#)]. Appeared first as name only in Kaup 1856:56 [ref. [2572](#)]. •Synonym of *Anguilla rostrata* (Lesueur 1817) -- (Ege 1939:90 [ref. [13172](#)], Smith 1989:34 [ref. [13285](#)], Bauchot et al. 1993:94 [ref. [20810](#)], Ferraris in Reis et al. 2003:33 [ref. [27061](#)]). **Current status:** Synonym of *Anguilla rostrata* (Lesueur 1817). Anguillidae. Habitat: freshwater, brackish, marine.

tobianus, Ammodytes Linnaeus [C.] 1758:247 [Systema Naturae, Ed. X v. 1; ref. [2787](#)] Mediterranean Sea, Northeastern Atlantic, Baltic Sea [original: "in Oceano Europæo"]; localities include Scania and Öland Island, Sweden; Cornwall, England; Rome and Messina, Sicily, Italy, Mediterranean Sea. Syntypes: LS 41 (right half-skin), NRM 5716 (1). Type catalog: Fernholm & Wheeler 1983:267 [ref. [20707](#)] who indicate that NHRM 5716 is *A. marinus* Raitt 1934, Wheeler 1985:67 [ref. [20705](#)]. Lectotype or neotype fixation needed. Originally based on multiple species and at least 18 pre-Linnaean sources including Artedi 1738:16 [ref. [30578](#)], Artedi 1738:55 [ref. [30529](#)] and Artedi 1738:29 [ref. [30349](#)] as *Ammodytes*; Salviani 1558:70, Pl. (p. 69) [ref. [30229](#)] as *Sandilz*, Charleton 1668:146 [ref. [30580](#)] as *Anguilla de arena*, Willughby 1686:113 [ref. [30164](#)] and Ray 1713:38 [ref. [30231](#)] as *Ammodytes Gesneri*. •Valid as *Ammodytes tobianus* Linnaeus 1758 -- (Wheeler 1973:446 [ref. [7190](#)], Reay in Whitehead et al. 1986:947 [ref. [13676](#)], Ida et al. 1994:258 [ref. [22075](#)], Amaoka in Okamura et al. 1995:219 [ref. [22531](#)], Bilecenoglu et al. 2002:177 [ref. [26753](#)], Parin 2003:S20 [ref. [28536](#)], Fricke 2007:27 [ref. [30577](#)], Lipej & Dulčić 2010:30 [ref. [36649](#)], Psomadakis et al. 2012:17 [ref. [33457](#)], Parin et al. 2014:465 [ref. [33547](#)], Turanov & Kartavtsev 2014:447 [ref. [34455](#)], Orr et al. 2015:155 [ref. [33719](#)], Mecklenburg et al. 2018:418 [ref. [36370](#)] see remarks, Artüz & Fricke 2019:558 [ref. [36612](#)]). **Current status:** Valid as *Ammodytes tobianus* Linnaeus 1758. Ammodytidae. Distribution: Baltic Sea, North Sea, eastern North Atlantic: Iceland and Norway to Portugal (strays into western Mediterranean Sea). Habitat: marine.

tyrannus, *Anguilla* Girard [C. F.] 1858:171 [Proceedings of the Academy of Natural Sciences of Philadelphia v. 10; ref. [1813](#)] Mouth of Rio Grande del Norte (Rio Bravo), Texas, U.S.A. Holotype (unique): USNM 857 [= USNM 43108]. See also Girard 1859:75, Pl. 40 [ref. [13405](#)]. •Synonym of *Anguilla rostrata* (Lesueur 1817) -- (Ege 1939:90 [ref. [13172](#)], Smith 1989:34 [ref. [13285](#)], Castro-Aguirre et al. 1999:96 [ref. [24550](#)], Ferraris in Reis et al. 2003:33 [ref. [27061](#)]). **Current status:** Synonym of *Anguilla rostrata* (Lesueur 1817). Anguillidae. Habitat: freshwater, brackish, marine.

variegata, *Anguilla* McClelland [J.] 1844:179, 204, 208, Pl. 9 (fig. 7) [Calcutta Journal of Natural History v. 5 (no. 18); ref. [2928](#)] Ganges at Behar, Bengal, India. No types known. •Synonym of *Anguilla bengalensis* (Gray 1831) -- (Menon 1999:5 [ref. [24904](#)], Kottelat 2013:37 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla bengalensis* (Gray 1831). Anguillidae. Habitat: freshwater, brackish, marine.

virescens, *Muraena (Anguilla)* Peters [W. (C. H.)] 1852:684 [Monatsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin 1852; ref. [18539](#)] Licuare River at Boror, Mozambique. Syntypes: ZMB 6229 (2). Also in Peters 1868:101, Pl. 18 (fig. 2) [ref. [3440](#)] as *Anguilla virescens*. •Synonym of *Anguilla bicolor* McClelland 1844 -- (Ege 1939:151 [ref. [13172](#)], Castle 1984:35 [ref. [6171](#)], Kottelat 2013:37 [ref. [32989](#)]). **Current status:** Synonym of *Anguilla bicolor* McClelland 1844. Anguillidae. Habitat: freshwater, brackish, marine.

vulgaris, *Anguilla* Shaw [G.] 1803:15 [General zoology or systematic natural history v. 4; ref. [4014](#)] No locality. No types known. Neotype designated by Fricke 1999:18 [ref. [24101](#)], but withdrawn in Fricke 2000:639 [ref. [24537](#)]. Based in part on *Muraena anguilla* Linnaeus 1758. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. [7185](#)], Castle 1984:34 [ref. [6171](#)], Smith 1990:151 [ref. [13454](#)], Lévêque et al. 1991:133 [ref. [31367](#)], Kottelat 1997:35 [ref. [22952](#)], Fricke 1999:18 [ref. [24101](#)], Bilecenoglu et al. 2002:30 [ref. [26753](#)], Lipej & Dulčić 2010:17 [ref. [36649](#)], Zhang et al. 2010:177 [ref. [31511](#)]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

vulgaris, *Anguilla* Rafinesque [C. S.] 1810:37 [Indice d'ittologia siciliana; ref. [3595](#)] Sicily, Italy, Mediterranean Sea. New name for *Muraena anguilla* Linnaeus 1758. •Synonym of *Anguilla anguilla* (Linnaeus 1758). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

wabashensis, *Anguilla* Kaup [J. J.] 1856:46 [Catalogue of the apodal fish in the collection of the British Museum; ref. [2573](#)] Wabash River, tributary of Ohio River, U.S.A. Holotype (unique): MNHN B-2117. Type catalog: Bauchot et al. 1993:97 [ref. [20810](#)]. Appeared first as name only in Kaup 1856:56 [ref. [2572](#)]. •Synonym of *Anguilla rostrata* (Lesueur 1817) -- (Ege 1939:90 [ref. [13172](#)], Smith 1989:34 [ref. [13285](#)], Ferraris in Reis et al. 2003:33 [ref. [27061](#)]). **Current status:** Synonym of *Anguilla rostrata* (Lesueur 1817). Anguillidae. Habitat: freshwater, brackish, marine.

waitei, *Anguilla* Phillipps [W. J.] 1925:28, Fig. 1 [The New Zealand Journal of Science and Technology v. 8 (no. 2); ref. [23932](#)] Smith's Bay, Makara, North Island, New Zealand. Holotype: NMNZ. Other material or paratypes: (1) Karori, (1) near Kaikohe. •Synonym of *Anguilla dieffenbachii* Gray 1842 -- (Ege 1939:90 [ref. [13172](#)] as *dieffenbachi*). **Current status:** Synonym of *Anguilla dieffenbachii* Gray 1842. Anguillidae. Habitat: freshwater, brackish, marine.

xanthomelas, *Anguilla* Rafinesque [C. S.] 1820:245 [Western Revue and Miscellaneous Magazine: a monthly publ., devoted to literature and science, Lexington, KY v. 3 (no. 4); ref. [5088](#)] Ohio River, U.S.A. No types known. Also in Rafinesque 1820:78 [ref. [3592](#)]. •Synonym of *Anguilla rostrata* (Lesueur 1817) -- (Ege 1939:89 [ref. [13172](#)], Smith 1989:34 [ref. [13285](#)], Ferraris in Reis et al. 2003:33 [ref. [27061](#)]). **Current status:** Synonym of *Anguilla rostrata* (Lesueur 1817). Anguillidae. Habitat: freshwater, brackish, marine.

POLYODONTIDAE

PSEPHURUS GLADIUS

Species that contain: *Psephurus* and *gladius* (not including unavailable names) [2] records

angustifolium, Spatularia (Polyodon) Kaup [J. J.] 1862:278 [Archiv für Naturgeschichte v. 28 (pt 1); ref. [18375](#)] Japanese Sea. •Synonym of *Psephurus gladius* (Martens 1862). **Current status:** Synonym of *Psephurus gladius* (Martens 1862). Polyodontidae. Habitat: freshwater.

gladius, Polyodon Martens [E. von] 1862:476 [Monatsberichte der Königlich Preussischen Akademie der Wissenschaften zu Berlin 1861 (pt. 1) (for 2 May 1861); ref. [17603](#)] Chang Jiang [Yangtze River], China. No types known. •Valid as *Psephurus gladius* (Martens 1862) -- (Liu & Zeng 1988:482 [ref. [6414](#)], Grande & Bemis 1991:113 [ref. [19936](#)], Ding 1994:34 [ref. [21531](#)], Chen in Chen 1998:38 [ref. [23556](#)], Yue & Chen 1998:21 [ref. [26415](#)], Zhang 2001:40 [ref. [26586](#)], Zhang et al. 2016:46 [ref. [34477](#)]). **Current status:** Valid as *Psephurus gladius* (Martens 1862). Polyodontidae. Distribution: China. Habitat: freshwater.

SCHILBEIDAE

PANGASIANODON GIGAS

Species that contain: *Pangasianodon* and *gigas* (not including unavailable names) [2] records

gigas, Pangasianodon Chevey [P.] 1931:538, Figs. 1-2 [Bulletin de la Société Zoologique de France v. 55 (no. 7) (1930); ref. [830](#)] Laos [original locality: Mekong River system, Pnom-Penh, Cambodia]. Neotype: MNHN A-8832 (dry). Type catalog: Ferraris 2007:325 [ref. [29155](#)]. Neotype selected by Gustiano 2003:56 [ref. [31337](#)]. •Valid as *Pangasius gigas* (Chevey 1931) -- (Roberts & Vidthayanon 1991:116 [ref. [19239](#)], Pouyaud et al. 1999:249 [ref. [24245](#)], Pouyaud & Teugels 2000:197 [ref. [25066](#)]). •Valid as *Pangasianodon gigas* Chevey 1931 -- (Burgess 1989:105 [ref. [12860](#)], Rainboth 1996:153 [ref. [22772](#)], Kottelat 2001:130 [ref. [25780](#)], Hogan et al. 2002:269 [ref. [26208](#)], Gustiano 2003:55 [ref. [31337](#)], Hogan et al. 2004:228 [ref. [27683](#)], Ferraris 2007:325 [ref. [29155](#)], Kottelat 2013:254 [ref. [32989](#)]). **Current status:** Valid as *Pangasianodon gigas* Chevey 1931. Pangasiidae. Distribution: Mekong River basin, southeastern Asia; stocked in various reservoirs in Thailand. Habitat: freshwater.

paucidens, Pangasius Fang [P.-W.] & Chaux [J.] in Chaux & Fang 1949:344, Fig. 6 [Bulletin du Muséum National d'Histoire Naturelle (Série 2) v. 21 (no. 3); ref. [18875](#)] Cambodia. Holotype (unique): MNHN 1966-0730. Type catalog: Ferraris 2007:325 [ref. [29155](#)]. •Mention -- (Kottelat 1984:815 [ref. [11440](#)]). •Synonym of *Pangasius gigas* (Chevey 1931) -- (Roberts & Vidthayanon 1991:116 [ref. [19239](#)]). •Synonym of *Pangasianodon gigas* Chevey 1931 -- (Gustiano 2003:55 [ref. [31337](#)], Ferraris 2007:325 [ref. [29155](#)], Kottelat 2013:254 [ref. [32989](#)]). **Current status:** Synonym of *Pangasianodon gigas* Chevey 1931. Pangasiidae. Habitat: freshwater.

II. CHONDRICHTHYES

ALOPIIDAE

1. ALOPIAS PELAGICUS

Species that contain: *Alopias* and *pelagicus* (including unavailable names) [1] records

pelagicus*, *Alopias Nakamura [H.] 1935:3, 5, Pl. 1 (fig. 2), Pl. 3 (figs. 5-6) [Memoirs Faculty Science Taihoku Imperial University Formosa v. 14 (no. 1); ref. [13907](#)] Market at Suô [Suao], east coast of Taiwan, 24°36'N, 121°52'E. Syntypes: (4) whereabouts unknown. Type catalog: Ho & Shao 2011:17 [ref. [31432](#)]. According to Ho & Shao 2011:17 [ref. [31432](#)], the syntype series was not registered and probably discarded. •Valid as *Alopias pelagicus* Nakamura 1935 -- (Compagno 1984:229 [ref. [6474](#)], Nakaya in Masuda et al. 1984:7 [ref. [6441](#)], Nakaya in Okamura & Kitajima 1984:39, 294 [ref. [8057](#)], Bass 1986:102 [ref. [5635](#)], Allen & Swainston 1988:20 [ref. [25477](#)], Gubanov & Timoxin 1989:220 [ref. [36138](#)], Paxton et al. 1989:69 [ref. [12442](#)], Randall et al. 1990:16 [ref. [15987](#)], Last & Stevens 1994:155 [ref. [23873](#)], Goren & Dor 1994:1 [ref. [25356](#)], Compagno et al. in Fischer et al. 1995:659 [ref. [22829](#)], Eitner 1995:562 [ref. [22404](#)], Randall 1995:23 [ref. [22896](#)], Allen 1997:40 [ref. [23977](#)], Chen et al. 1997:1 [ref. [26476](#)], Grove & Lavenberg 1997:64 [ref. [24023](#)], Randall et al. 1997:16 [ref. [25919](#)], Anderson et al. 1998:21 [ref. [23611](#)], Compagno 1998:1271 [ref. [23785](#)], Myers 1999:38 [ref. [23965](#)], Morón et al. 1999:145 [ref. [24253](#)], Compagno 1999:477 [ref. [25589](#)], Nakabo 2000:126 [ref. [25086](#)], Compagno in Randall & Lim 2000:578 [ref. [25122](#)], Hutchins 2001:13 [ref. [25847](#)], Compagno 2001:81 [ref. [26323](#)], Nakabo 2002:126 [ref. [26001](#)], Youn 2002:57, 475 [ref. [26218](#)], Manilo & Bogorodsky 2003:S91 [ref. [27377](#)], Myers & Donaldson 2003:609 [ref. [27495](#)], Espinosa Pérez et al. 2004:79 [ref. [27705](#)], Bonfil & Abdallah 2004:19 [ref. [27735](#)], Nelson et al. 2004:51 [ref. [27807](#)], Heemstra & Heemstra 2004:72 [ref. [28072](#)], Mundy 2005:96 [ref. [28379](#)], Compagno et al. 2005:16 [ref. [29145](#)], Hoese & Gates 2006:73 [ref. [28997](#)], Khalaf & Zajonz 2007:423 [ref. [31739](#)], White 2008:38 [ref. [30617](#)], McCosker & Rosenblatt 2010:187 [ref. [30957](#)], Motomura et al. 2010:68 [ref. [31256](#)], Last et al. 2010:62 [ref. [32461](#)], Fricke et al. 2011:345 [ref. [31242](#)], Ho & Shao 2011:17 [ref. [31432](#)], Castro 2011:233 [ref. [31457](#)], Yamashita et al. 2012:121 [ref. [32408](#)], Page et al. 2013:50 [ref. [32708](#)], Ebert et al. 2013:310 [ref. [33045](#)], Shinohara et al. 2014:231 [ref. [33330](#)], Psomadakis et al. 2015:74 [ref. [34104](#)], Del Moral-Flores et al. 2016:73 [ref. [34398](#)], Weigmann 2016:12 [ref. [34211](#)], Fourrière et al. 2016:452 [ref. [34668](#)], Del Moral-Flores et al. 2016:605 [ref. [34923](#)], Kells et al. 2016:64 [ref. [35888](#)], Ebert et al. 2017:53 [ref. [35618](#)], White et al. 2017:84 [ref. [35860](#)], Ehemann et al. 2018:20 [ref. [36194](#)], Golani & Fricke 2018:8 [ref. [36273](#)], Kumar et al. 2018:295 [ref. [36178](#)], White & Ko'ou 2018:23 [ref. [35922](#)], Fricke et al. 2019:38 [ref. [36673](#)]). **Current status:** Valid as *Alopias pelagicus* Nakamura 1935. Alopiidae. Distribution: Circumglobal (including Red Sea). Habitat: marine.

ALOPIAS SUPERCILIOSUS

Species that contain: Alopias and superciliosus (including unavailable names) [2] records

profundus, *Alopias* Nakamura [H.] 1935:2, 4, Pl. 1 (fig. 1), Pl. 2 (figs. 3-4) [Memoirs Faculty Science Taihoku Imperial University Formosa v. 14 (no. 1); ref. [13907](#)] Market at Suô [Suao], east coast of Taiwan, 24°36'N, 121°52'E. Syntypes: (4) whereabouts unknown. Type catalog: Ho & Shao 2011:17 [ref. [31432](#)]. According to Ho & Shao 2011:17 [ref. [31432](#)], the syntype series was not registered and probably discarded. •Synonym of *Alopias superciliosus* Lowe 1841 -- (Gruber & Compagno 1981:621 [ref. [21249](#)], Compagno 1984:231 [ref. [6474](#)], Compagno et al. in Fischer et al. 1995:660 [ref. [22829](#)], Compagno 1998:1272 [ref. [23785](#)], Compagno 2001:83 [ref. [26323](#)], Compagno 2003:429 [ref. [26984](#)], Bonfil & Abdallah 2004:19 [ref. [27735](#)], Ho & Shao 2011:17 [ref. [31432](#)], Castro 2011:236 [ref. [31457](#)], Compagno 2016:1235 [ref. [34544](#)]). **Current status:** Synonym of *Alopias superciliosus* Lowe 1841. Alopiidae. Habitat: marine.

superciliosus, *Alopecias* Lowe [R. T.] 1841:39 [Proceedings of the Zoological Society of London 1840 (pt. 8, no. 89); ref. [2830](#)] Madeira, Northeastern Atlantic. Holotype (unique): whereabouts unknown. No parentheses are used in the combination *Alopias superciliosus* Lowe 1841 as *Alopecias* is an unjustified emendation. •Valid as *Alopias superciliosus* Lowe 1841 -- (Springer 1973:17 [ref. [7162](#)], Gruber & Compagno 1981:619 [ref. [21249](#)], Nakaya in Okamura et al. 1982:41, 308 [ref. [8256](#)], Eschmeyer & Herald 1983:27 [ref. [9277](#)], Quéro in Whitehead et al. 1984:91 [ref. [13675](#)], Compagno 1984:231 [ref. [6474](#)], Nakaya in Masuda et al. 1984:7 [ref. [6441](#)], Bass 1986:102 [ref. [5635](#)], Robins & Ray 1986:19 [ref. [23100](#)], Gubanov & Timoxin 1989:220 [ref. [36138](#)], Paxton et al. 1989:69 [ref. [12442](#)], Paulin et al. 1989:34 [ref. [24556](#)], Springer 1990:85 [ref. [19319](#)], Cervigón 1992:168 [ref. [23827](#)], Bussing & López S. 1994:18 [ref. [23101](#)], Last & Stevens 1994:156 [ref. [23873](#)], Compagno et al. in Fischer et al. 1995:660 [ref. [22829](#)], Eitner 1995:562 [ref. [22404](#)], Randall 1995:23 [ref. [22896](#)], Golani 1996:20 [ref. [22271](#)], Grove & Lavenberg 1997:62 [ref. [24023](#)], Santos et al. 1997:118 [ref. [23531](#)], Arruda 1997:16 [ref. [24952](#)], Compagno 1998:1272 [ref. [23785](#)], McEachran & Feckhelm 1998:50 [ref. [23897](#)], Aguilera 1998:45 [ref. [24221](#)], Chirichigno F. & Vélez D. 1998:43 [ref. [24555](#)], Morón et al. 1999:145 [ref. [24253](#)], Cervigón & Alcalá 1999:34 [ref. [24490](#)], Smith-Vaniz et al. 1999:119 [ref. [25013](#)], Compagno 1999:477 [ref. [25589](#)], Nakabo 2000:126 [ref. [25086](#)], Compagno in Randall & Lim 2000:578 [ref. [25122](#)], Hutchins 2001:13 [ref. [25847](#)], Compagno 2001:83 [ref. [26323](#)], Soto 2001:65, 87 [ref. [26637](#)], Nakabo 2002:126 [ref. [26001](#)], Compagno 2003:429 [ref. [26984](#)], Gadig & Gomes in Menezes et al. 2003:25 [ref. [27192](#)], Manilo & Bogorodsky 2003:S91 [ref. [27377](#)], Espinosa Pérez et al. 2004:80 [ref. [27705](#)], Bonfil & Abdallah 2004:19 [ref. [27735](#)], Nelson et al. 2004:51 [ref. [27807](#)], Heemstra & Heemstra 2004:73 [ref. [28072](#)], Compagno et al. 2005:17 [ref. [29145](#)], Mundy 2005:96 [ref. [28379](#)], Vaske et al. 2005:77 [ref. [36155](#)], Hoese & Gates 2006:73 [ref. [28997](#)], Fricke et al. 2007:12 [ref. [29533](#)], White 2008:38 [ref. [30617](#)], Fricke et al. 2009:8 [ref. [30213](#)], White 2008:38 [ref. [30617](#)], McCosker & Rosenblatt 2010:187 [ref. [30957](#)], Fricke et al. 2011:345 [ref. [31242](#)], Ho & Shao 2011:17 [ref. [31432](#)], Castro 2011:236 [ref. [31457](#)], Page et al. 2013:50 [ref. [32708](#)], Wirtz et al. 2013:115 [ref. [32972](#)], Ebert et al. 2013:310 [ref. [33045](#)], Wirtz et al. 2014:2 [ref. [33516](#)], Psomadakis et al. 2015:74 [ref. [34104](#)], Duffy & Ah Yong 2015:106 [ref. [36167](#)], Duffy & Stewart 2015:66 [ref. [34216](#)], Pinheiro et al. 2015:2 [ref. [34324](#)], Del Moral-Flores et al. 2016:74 [ref. [34398](#)], Weigmann 2016:13 [ref. [34211](#)], Fourrière et al. 2016:452 [ref. [34668](#)], Del Moral-Flores et al. 2016:605 [ref. [34923](#)], Nión et al. 2016:19 [ref. [35565](#)], Kells et al. 2016:64 [ref. [35888](#)], Ebert et al. 2017:53 [ref. [35618](#)], White et al. 2017:86 [ref. [35860](#)], Ehemann et al. 2018:20 [ref. [36194](#)], Fricke et al. 2018:9 [ref. [35805](#)], Kumar et al. 2018:295 [ref. [36178](#)], White & Ko'ou 2018:23 [ref. [35922](#)], Brown et al. 2019:152 [ref. [36444](#)], Ehemann et al. 2019:[3] [ref. [36861](#)], Fricke et al. 2019:38 [ref. [36673](#)]). **Current status:** Valid as *Alopias superciliosus* Lowe 1841. Alopiidae. Distribution: Circumglobal in tropical and temperate seas (including Caribbean Sea). Habitat: marine.

ALOPIAS VULPINUS

Species that contain: Alopias and vulpinus (including unavailable names) [13] records

alopecias, Squalus Gronow [L. T.] in Gray 1854:7 [Catalogue of fish collected and described by Laurence Theodore Gronow; ref. [1911](#)] Atlantic; Mediterranean Sea. No types known. •Synonym of *Alopias vulpinus* (Bonnaterre 1788) -- (Compagno 1984:232 [ref. [6474](#)], Dyldin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Alopias vulpinus* (Bonnaterre 1788). Alopiidae. Habitat: brackish, marine.

barrae, Alopecias Pérez Canto [C.] 1886:6 [Anales de la Universidad de Chile Sec. 1, v. 69; ref. [18531](#)] Valparaíso, Chile. Holotype (unique): ?MHNV (possibly lost). See also Philippi 1887:553 [p. 21 of separate], Pl. 5 (fig. 2) [ref. [3464](#)]. •Synonym of *Alopias vulpinus* (Bonnaterre 1788) -- (Compagno 1984:232 [ref. [6474](#)], Compagno 2001:86 [ref. [26323](#)], Dyldin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Alopias vulpinus* (Bonnaterre 1788). Alopiidae. Habitat: brackish, marine.

caudatus, Alopias Phillipps [W. J.] 1932:226, Fig. 1 [The New Zealand Journal of Science and Technology v. 13 (no. 4); ref. [16393](#)] Westernport, Victoria, Australia. Holotype: NMV 58434 (mounted specimen). Paratypes: NMNZ (1, photograph). This species is based on an Australian *Alopias* specimen described and figured by McCoy [Proc. Zool. Vic., pl. 88], and on a photograph of a New Zealand specimen. •Synonym of *Alopias vulpinus* (Bonnaterre 1788) -- (Compagno 1984:232 [ref. [6474](#)], Gomon et al. 1994:146 [ref. [22532](#)], Last & Stevens 1994:158 [ref. [23873](#)], Compagno 2001:86 [ref. [26323](#)], Hoese & Gates 2006:73 [ref. [28997](#)], Dyldin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Alopias vulpinus* (Bonnaterre 1788). Alopiidae. Habitat: brackish, marine.

chilensis, Alopecias Philippi [R. A.] 1902:310 [Anales de la Universidad de Chile v. 109 (for July-Dec. 1901); ref. [14889](#)] Chile. No types known. •Synonym of *Alopias vulpinus* (Bonnaterre 1788) -- (Compagno 1984:232 [ref. [6474](#)], Compagno 2001:86 [ref. [26323](#)], Dyldin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Alopias vulpinus* (Bonnaterre 1788). Alopiidae. Habitat: brackish, marine.

greyi, Alopias Whitley [G. P.] 1937:5 [Records of the Australian Museum v. 20 (no. 1); ref. [4691](#)] Off Bermagui, New South Wales, Australia. Holotype (unique): AMNH (jaws only). •Synonym of *Alopias vulpinus* (Bonnaterre 1788) -- (Compagno 1984:232 [ref. [6474](#)], Paxton et al. 1989:70 [ref. [12442](#)], Gomon et al. 1994:146 [ref. [22532](#)], Last & Stevens 1994:158 [ref. [23873](#)], Hoese & Gates 2006:73 [ref. [28997](#)], Castro 2011:241 [ref. [31457](#)], Dyldin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Alopias vulpinus* (Bonnaterre 1788). Alopiidae. Habitat: brackish, marine.

longimana, Alopecias Philippi [R. A.] 1902:308 [8] [Anales de la Universidad de Chile v. 109 (for July-Dec. 1901); ref. [14889](#)] Talcahuano Bay, Chile. Holotype (unique): whereabouts unknown. On p. 8 of separate. •Synonym of *Alopias vulpinus* (Bonnaterre 1788) -- (Compagno 1984:232 [ref. [6474](#)], Compagno 2001:86 [ref. [26323](#)], Dyldin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Alopias vulpinus* (Bonnaterre 1788). Alopiidae. Habitat: brackish, marine.

macrourus, Alopias Rafinesque [C. S.] 1810:12 [Caratteri di alcuni nuovi generi e nuove specie di animali e piante della Sicilia; ref. [3594](#)] Sicily, Italy, Mediterranean Sea. No types known. Also appeared in Rafinesque 1810:45 [ref. [3595](#)]. •Synonym of *Alopias vulpinus* (Bonnaterre 1788) -- (Compagno 1984:232 [ref. [6474](#)], Compagno 2001:86 [ref. [26323](#)], Hoese & Gates 2006:73 [ref. [28997](#)], Castro 2011:241 [ref. [31457](#)], Dyldin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Alopias vulpinus* (Bonnaterre 1788). Alopiidae. Habitat: brackish, marine.

marina, *Vulpecula* Valmont de Bomare [J. C.] 1764:v. 4, p. 609 [Dictionnaire raisonné universel d'histoire naturelle, ...; ref. [4507](#)] Massachusetts Bay, U.S.A. No type known. Not available, published in a rejected work on Official Index (Opinion 89, Direction 32); neither available from Valmont de Bomare 1768, Paris edition: v. 5, p.316 [ref. [4507](#)], nor from the 1775 Paris edition, v. 5, p. 441 [ref. [4507](#)]. Based on a pre-Linnean name. Name validated by Garman 1913:30, Pl. 7 (figs. 1-3) [ref. [1545](#)]. •In the synonymy of *Alopias vulpinus* (Bonnaterre 1788). **Current status:** Synonym of *Alopias vulpinus* (Bonnaterre 1788). Alopiidae.

marina, *Vulpecula* Garman [S.] 1913:30, Pl. 7 (figs. 1-3) [Memoirs of the Museum of Comparative Zoology v. 36; ref. [1545](#)] Massachusetts Bay, Massachusetts, U.S.A. Holotype (?): MCZ 1166-S. Not intended as new, but validates a pre-Linnaean name, and the unavailable name *Vulpecula marina* of Valmont de Bomare 1764:609 [ref. [4507](#)] and later editions; Garman is the author. •Synonym of *Alopias vulpinus* (Bonnaterre 1788) -- (Compagno 1984:232 [ref. [6474](#)], Compagno 2001:86 [ref. [26323](#)], Castro 2011:241 [ref. [31457](#)], Dylidin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Alopias vulpinus* (Bonnaterre 1788). Alopiidae. Habitat: brackish, marine.

vulpecula, *Galeus* Rafinesque [C. S.] 1810:13 [Caratteri di alcuni nuovi generi e nuove specie di animali e piante della Sicilia; ref. [3594](#)] Sicily, Italy, Mediterranean Sea. No types known. Also appeared in Rafinesque 1810:46 [ref. [3595](#)] citing "*Squalus vulpecula* Linnaeus", a name not found. •Synonym of *Alopias vulpinus* (Bonnaterre 1788) -- (Compagno 1984:232 [ref. [6474](#)], Compagno 2001:86 [ref. [26323](#)], Dylidin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Alopias vulpinus* (Bonnaterre 1788). Alopiidae. Habitat: brackish, marine.

vulpes, *Squalus* Gmelin [J. F.] 1789:1496 [Caroli a Linné ... Systema Naturae per regna tria naturae v. 1 (pt 3); ref. [18139](#)] Mediterranean Sea; Scotland; Cornwall, England, northeastern Atlantic. No types known. •Synonym of *Alopias vulpinus* (Bonnaterre 1788) -- (Springer 1973:17 [ref. [7162](#)], Compagno 1984:232 [ref. [6474](#)], Springer 1990:85 [ref. [19319](#)], Gomon et al. 1994:145 [ref. [22532](#)], Compagno 2001:86 [ref. [26323](#)], Bilecenoğlu et al. 2002:10 [ref. [26753](#)] with wrong author, Parin et al. 2014:18 [ref. [33547](#)], Dylidin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Alopias vulpinus* (Bonnaterre 1788). Alopiidae. Habitat: brackish, marine.

vulpes, *Squalus* Berkenhout [J.] (ex Pennant) 1789:60 [Synopsis of the natural history of Great-Britain and Ireland v. 1; ref. [12437](#)] Mediterranean Sea; Scotland; Cornwall, England, northeastern Atlantic. No types known. Based on 'The Sea Fox' of Pennant 1769:86 [ref. [18527](#)]; apparently described independent from *Squalus vulpes* Gmelin 1789. Earliest publication not established. •Synonym of *Alopias vulpinus* (Bonnaterre 1788) -- (Lipej & Dulčić 2010:7 [ref. [36649](#)], Dylidin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Alopias vulpinus* (Bonnaterre 1788). Alopiidae. Habitat: marine.

vulpinus, *Squalus* Bonnaterre [J. P.] (ex Pennant) 1788:9, Pl. 85 (fig. 349) [Tableau encyclopédique et méthodique des trois règnes de la nature... Ichthyologie; ref. [4940](#)] Mediterranean Sea; Cornwall, England, northeastern Atlantic. No types known. Based on the 'Sea fox' of Pennant 1769:86, Pl. 4 [ref. [18527](#)], which was based on multiple historical sources, and possibly on more than one species; neotype selection needed to stabilize the current usage of the name. •Valid as *Alopias vulpinus* (Bonnaterre 1788) -- (Springer 1973:17 [ref. [7162](#)], Eschmeyer & Herald 1983:27 [ref. [9277](#)], Quéro in Whitehead et al. 1984:92 [ref. [13675](#)], Compagno 1984:232 [ref. [6474](#)], Dor 1984:3 [ref. [29757](#)], Nakaya in Masuda et al. 1984:7 [ref. [6441](#)], Bass 1986:102 [ref. [5635](#)], Robins & Ray 1986:18 [ref. [23100](#)], Scott & Scott 1988:13 [ref. [25518](#)], Gubanov & Timoxin 1989:220 [ref. [36138](#)], Paxton et al. 1989:69 [ref. [12442](#)], Winterbottom et al. 1989:4 [ref. [13251](#)], Pequeño 1989:12 [ref. [14125](#)], Paulin et al. 1989:19 [ref. [24556](#)], McAllister 1990:29 [ref. [14674](#)], Springer 1990:85 [ref. [19319](#)], Compagno et al. 1991:74 [ref. [21083](#)], Cervigón 1992:168 [ref. [23827](#)], Boschung 1992:19 [ref. [23239](#)], Bianchi & Carpenter in Bianchi et al. 1993:74 [ref. [25472](#)], Bussing & López S. 1994:18 [ref. [23101](#)], Last & Stevens 1994:157 [ref. [23873](#)], Goren & Dor 1994:1 [ref. [25356](#)], Compagno et al. in Fischer et al. 1995:661 [ref. [22829](#)], Eitner 1995:562 [ref. [22404](#)], Randall 1995:23 [ref. [22896](#)],

Grove & Lavenberg 1997:65 [ref. [24023](#)], Santos et al. 1997:10 [ref. [23531](#)], Arruda 1997:16 [ref. [24952](#)], Cheng & Zhou 1997:22 [ref. [26385](#)], Compagno 1998:1273 [ref. [23785](#)], McEachran & Feckhelm 1998:51 [ref. [23897](#)], Chirichigno F. & Vélez D. 1998:43 [ref. [24555](#)], Kabasakal 1998:685 [ref. [25006](#)], Fricke 1999:16 [ref. [24106](#)], Johnson 1999:719 [ref. [25471](#)], Compagno 1999:477 [ref. [25589](#)], Nakabo 2000:126 [ref. [25086](#)], Compagno in Randall & Lim 2000:578 [ref. [25122](#)], Laboute & Grandperrin 2000:87 [ref. [25191](#)], Hutchins 2001:13 [ref. [25847](#)], Compagno 2001:86 [ref. [26323](#)], Soto 2001:65, 88 [ref. [26637](#)], Bilecenoğlu et al. 2002:11 [ref. [26753](#)], Branstetter in Collette & Klein-MacPhee 2002:34 [ref. [26158](#)], Mecklenburg et al. 2002:79 [ref. [25968](#)], Nakabo 2002:126 [ref. [26001](#)], Youn 2002:57, 476 [ref. [26218](#)], Compagno 2003:430 [ref. [26984](#)], Gadig & Gomes in Menezes et al. 2003:25 [ref. [27192](#)], Manilo & Bogorodsky 2003:S91 [ref. [27377](#)], Espinosa Pérez et al. 2004:81 [ref. [27705](#)], Bonfil & Abdallah 2004:20 [ref. [27735](#)], Nelson et al. 2004:51 [ref. [27807](#)], Heemstra & Heemstra 2004:72 [ref. [28072](#)], Mundy 2005:96 [ref. [28379](#)], Compagno et al. 2005:17 [ref. [29145](#)], Hoese & Gates 2006:73 [ref. [28997](#)], Fricke 2007:25 [ref. [30577](#)], Fricke et al. 2007:12 [ref. [29533](#)], Vasil'eva 2007:17 [ref. [30517](#)], White 2008:38 [ref. [30617](#)], Fricke et al. 2009:8 [ref. [30213](#)], George 2009:34 [ref. [30539](#)], Lipej & Dulčić 2010:7 [ref. [36649](#)], Castro 2011:241 [ref. [31457](#)], Fricke et al. 2011:345 [ref. [31242](#)], Yamashita et al. 2012:121 [ref. [32408](#)], Naylor et al. 2012:51 [ref. [34345](#)] see remarks, Page et al. 2013:50 [ref. [32708](#)], Ebert et al. 2013:310 [ref. [33045](#)], Shinohara et al. 2014:232 [ref. [33330](#)], Parin et al. 2014:18 [ref. [33547](#)], Duffy & Stewart 2015:67 [ref. [34216](#)], Dyldin 2015:47 [ref. [34524](#)], Pietsch & Orr 2015:13 [ref. [34694](#)], Del Moral-Flores et al. 2016:75 [ref. [34398](#)], Weigmann 2016:13 [ref. [34211](#)], Compagno 2016:1236 [ref. [34544](#)], Fourrière et al. 2016:452 [ref. [34668](#)], Del Moral-Flores et al. 2016:605 [ref. [34923](#)], Nión et al. 2016:19 [ref. [35565](#)], Kells et al. 2016:64 [ref. [35888](#)], Ebert et al. 2017:53 [ref. [35618](#)], Dyldin & Orlov 2018:164 [ref. [35920](#)], Ehemann et al. 2018:20 [ref. [36194](#)], Fricke et al. 2018:9 [ref. [35805](#)], Kumar et al. 2018:295 [ref. [36178](#)], Ehemann et al. 2019:[3] [ref. [36861](#)]). **Current status:** Valid as *Alopias vulpinus* (Bonnaterre 1788). Alopiidae. Distribution: Circumglobal in tropical through temperate seas (including Caribbean Sea, Mediterranean Sea, Black Sea, western Baltic Sea, North Sea). Habitat: brackish, marine.

CARCHARHINIDAE

CARCHARHINUS FALCIFORMIS

Species that contain: Carcharhinus and falciformis (including unavailable names) [9] records

atrodorsus, Carcharhinus Deng [S.-M.], Xiong [G.-Q.] & Zhan [H.-X.] 1981:216 [English p. 219], Figs. 1-3 [Acta Zootaxonomica Sinica v. 6 (no. 2); ref. [8612](#)] Off Yongxing Island, Xisha Islands, China. Holotype (unique): ECSFI SH73-0872. •Synonym of *Carcharhinus falciformis* (Müller & Henle 1839). **Current status:** Synonym of *Carcharhinus falciformis* (Müller & Henle 1839). Carcharhinidae. Habitat: marine.

falciformis, Carcharias (Prionodon) Bibron [G.] in Müller & Henle 1839:47 [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Cuba, western Atlantic. Holotype (unique): MNHN 0000-1134 (fetus). Type catalog: Bertin 1939:72 [ref. [20739](#)]. Authorship proposed changed to Bibron 1839 -- Jones et al. 2015:570 [ref. [34086](#)]. Most authors use Müller & Henle 1839. •Valid as *Carcharhinus falciformis* (Müller & Henle 1839) [sometimes authorship as Müller & Henle or Bibron] -- (Compagno 1973:24 [ref. [7163](#)], Garrick 1982:159 [ref. [5454](#)], Branstetter in Whitehead et al. 1984:104 [ref. [13675](#)], Compagno 1984:470 [ref. [6846](#)], Nakaya in Masuda et al. 1984:6 [ref. [6441](#)], Bass et al. 1986:72 [ref. [5638](#)], Robins & Ray 1986:25 [ref. [23100](#)], Allen & Swainston 1988:22 [ref. [25477](#)], Gubanov & Timoxin 1989:224 [ref. [36138](#)] as *falciformes*, Paxton et al. 1989:77 [ref. [12442](#)], Paulin et al. 1989:25 [ref. [24556](#)], Springer 1990:104 [ref. [19320](#)], Randall et al. 1990:19 [ref. [15987](#)], Boschung 1992:20 [ref. [23239](#)], Cervigón 1992:171 [ref. [23827](#)], Allen & Robertson 1994:22 [ref. [22193](#)], Last & Stevens 1994:241 [ref. [23873](#)], Goren & Dor 1994:2 [ref. [25356](#)], Compagno et al. in Fischer et al. 1995:673 [ref. [22829](#)], Randall 1995:30 [ref. [22896](#)], Mohsin & Ambak 1996:61 [ref. [27969](#)] with author as Bibron, Allen 1997:42 [ref. [23977](#)], De La Cruz Agüero et al. 1997:28 [ref. [24545](#)], Grove & Lavenberg 1997:80 [ref. [24023](#)], Yokogawa & Yamaguchi 1997:4 [ref. [24376](#)], Ar-ruda 1997:17 [ref. [24952](#)], Randall et al. 1997:19 [ref. [25919](#)], Compagno & Niem 1998:1335 [ref. [23787](#)], McEachran & Fechtelm 1998:77 [ref. [23897](#)], Chirichigno F. & Vélez D. 1998:54 [ref. [24555](#)], Myers 1999:34 [ref. [23965](#)], Fricke 1999:19 [ref. [24106](#)], Morón et al. 1999:147 [ref. [24253](#)], Cervigón & Alcalá 1999:57 [ref. [24490](#)], Smith-Vaniz et al. 1999:112 [ref. [25013](#)], Compagno 1999:483 [ref. [25589](#)], Nakabo 2000:139 [ref. [25086](#)], Compagno in Randall & Lim 2000:580 [ref. [25122](#)], Laboute & Grandperrin 2000:90 [ref. [25191](#)], Schmitter-Soto et al. 2000:146 [ref. [27754](#)], Grace 2001:30 [ref. [25694](#)], Hutchins 2001:14 [ref. [25847](#)], Soto 2001:64, 76 [ref. [26637](#)], Camargo & Isaac 2001:139 [ref. [27639](#)] as Bibron 1839, Nakabo 2002:139 [ref. [26001](#)], Collette et al. 2003:98 [ref. [26784](#)], Compagno 2003:479 [ref. [26984](#)], Gadig & Gomes in Menezes et al. 2003:23 [ref. [27192](#)], Manilo & Bogorodsky 2003:S92 [ref. [27377](#)], Myers & Donaldson 2003:609 [ref. [27495](#)], Randall et al. 2004:5 [ref. [27624](#)], Espinosa Pérez et al. 2004:52 [ref. [27705](#)] with author as Bibron 1841, Bonfil & Abdallah 2004:31 [ref. [27735](#)] with author as Bibron, Nelson et al. 2004:53 [ref. [27807](#)], Mundy 2005:89 [ref. [28379](#)], Compagno et al. 2005:37 [ref. [29145](#)] with author as Valenciennes, Vaske et al. 2005:77 [ref. [36155](#)], Hoese et al. 2006:100 [ref. [29001](#)], Béarez & Séret 2009:145 [ref. [36646](#)], Fricke et al. 2009:9 [ref. [30213](#)], McCosker & Rosenblatt 2010:187 [ref. [30957](#)], Last et al. 2010:98 [ref. [32461](#)], Fricke et al. 2011:345 [ref. [31242](#)], Voigt & Weber 2011:60 [ref. [31424](#)] as *falciformes*, Castro 2011:413 [ref. [31457](#)], Hoyos-Padilla et al. 2012:15 [ref. [31760](#)], White 2012:3 [ref. [31843](#)], Yamashita et al. 2012:124 [ref. [32408](#)], Garibaldi & Orsi Relini 2012:399 [ref. [32859](#)], Page et al. 2013:51 [ref. [32708](#)], Wirtz et al. 2013:115 [ref. [32972](#)], Larson et al. 2013:9 [ref. [32988](#)], Ebert et al. 2013:331 [ref. [33045](#)], Smith-Vaniz & Jelks 2014:19 [ref. [33341](#)], Delrieu-Trottin et al. 2015:4 [ref. [33988](#)], Psomadakis et al. 2015:81 [ref. [34104](#)], Pinheiro et al. 2015:2 [ref. [34324](#)], Del Moral-Flores et al. 2016:91 [ref. [34398](#)] with authors as Müller & Henle, Weigmann 2016:19 [ref. [34211](#)] with authors as Müller & Henle, Compagno 2016:1303 [ref. [34544](#)], Fourrière et al. 2016:452 [ref. [34668](#)], Del Moral-Flores et al. 2016:605 [ref. [34923](#)], Koeda et al. 2016:4 [ref. [35333](#)], Nión et al. 2016:20 [ref. [35565](#)] with author as Müller & Henle, White et al. 2017:142 [ref. [35860](#)], Ali et al. 2018:301 [ref. [36183](#)], Ehemann et al. 2018:21 [ref. [36194](#)], Fricke et al. 2018:13

[ref. [35805](#)], Golani & Fricke 2018:10 [ref. [36273](#)], Kumar et al. 2018:296 [ref. [36178](#)], Spier et al. 2018:4 [ref. [36103](#)], White & Ko'ou 2018:34 [ref. [35922](#)], Ehemann et al. 2019:[3] [ref. [36861](#)], Fricke et al. 2019:40 [ref. [36673](#)]). **Current status:** Valid as *Carcharhinus falciformis* (Müller & Henle 1839). Carcharhinidae. Distribution: Circumglobal in tropical seas (including Caribbean Sea, Red Sea, Persian Gulf). Habitat: marine.

falcipinnis, Carcharius Lowe [R. T.] 1839:90 [Proceedings of the Zoological Society of London 1839 (pt 7); ref. [2829](#)] Madeira, eastern Atlantic. Lowe specimen: BMNH 1851.1.9.14 (1, stuffed). •Synonym of *Carcharhinus obscurus* (Lesueur 1818) -- (Compagno 1973:25 [ref. [7163](#)]). •Status uncertain -- (Garrick 1982:187 [ref. [5454](#)]). •Questionably a synonym of *Carcharhinus falciformis* (Müller & Henle 1839) -- (Compagno 1984:470 [ref. [6846](#)]). •Synonym of *Carcharhinus falciformis* (Müller & Henle 1839) -- (Voigt & Weber 2011:58 [ref. [31424](#)]). **Current status:** Synonym of *Carcharhinus falciformis* (Müller & Henle 1839). Carcharhinidae. Habitat: marine.

floridanus, Carcharhinus Bigelow [H. B.], Schroeder [W. C.] & Springer [S.] 1943:71, Pls. 13-14 [Proceedings of the New England Zoölogical Club v. 22; ref. [13195](#)] Off Fort Pierce, Florida, U.S.A., western North Atlantic, depth about 100 feet. Holotype: MCZ 35807. Additional material: MCZ 35515 (1, jaws, fins and photographs). •Synonym of *Carcharhinus falciformis* (Müller & Henle 1839) -- (Compagno 1973:24 [ref. [7163](#)], Garrick 1982:159 [ref. [5454](#)], Branstetter in Whitehead et al. 1984:104 [ref. [13675](#)], Compagno 1984:470 [ref. [6846](#)], Springer 1990:104 [ref. [19320](#)], Randall et al. 1990:19 [ref. [15987](#)], Allen & Robertson 1994:22 [ref. [22193](#)], Compagno 2003:479 [ref. [26984](#)], Espinosa Pérez et al. 2004:52 [ref. [27705](#)], Voigt & Weber 2011:60 [ref. [31424](#)], Castro 2011:413 [ref. [31457](#)], Compagno 2016:1303 [ref. [34544](#)]). **Current status:** Synonym of *Carcharhinus falciformis* (Müller & Henle 1839). Carcharhinidae. Habitat: marine.

malpeloensis, Eulamia Fowler [H. W.] 1944:299, Figs. 7-9 [Monographs of the Academy of Natural Sciences of Philadelphia No. 6; ref. [1448](#)] Malpelo Island, eastern Pacific west of Colombia. Holotype: ANSP 70048. Paratypes: ANSP 70049 (1). Type catalog: Böhlke 1984:34 [ref. [13621](#)]. •Synonym of *Carcharhinus falciformis* (Müller & Henle 1839) -- (Garrick 1982:159 [ref. [5454](#)], Compagno 1984:470 [ref. [6846](#)], Espinosa Pérez et al. 2004:52 [ref. [27705](#)], Voigt & Weber 2011:60 [ref. [31424](#)], Castro 2011:413 [ref. [31457](#)]). **Current status:** Synonym of *Carcharhinus falciformis* (Müller & Henle 1839). Carcharhinidae. Habitat: marine.

menisorrah, Carcharias (Prionodon) Valenciennes [A.] in Müller & Henle 1839:46, [Pl. 17; Pl. 19 (teeth)] [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Red Sea. Lectotype: ZMB 4476. Paralectotypes: BMNH uncat. (1, whereabouts unknown), MNHN A-9662 (1), RMNH uncat. (2, mounted skins, whereabouts unknown), MNHPA uncat. (1, whereabouts unknown), ZSL uncat. (1, embryo, whereabouts unknown), ZMB 4476 (mounted skin). Type catalog: Bertin 1939:72 [ref. [20739](#)], Paepke & Schmidt 1988:166 [ref. [21041](#)]. Evidently Müller & Henle alone were responsible for the description, so authorship is regarded as Müller & Henle (ex Valenciennes). Lectotype selected by Garrick 1982:160 [ref. [5454](#)]. •Valid as *Carcharhinus menisorrah* (Valenciennes 1839) -- (Dor 1984:6 [ref. [29757](#)], Paxton et al. 1989:77 [ref. [12442](#)], Goren & Dor 1994:3 [ref. [25356](#)], Cheng & Zhou 1997:32 [ref. [26385](#)] dated 1841, Wang et al. 2001: [ref. [26566](#)] dated 1841). •Listed in the synonymy of *Carcharhinus amblyrhynchos* (Bleeker 1856), *C. dussumieri* (Müller & Henle 1839), and *Carcharhinus sealei* (Pietschmann 1916) (Compagno & Niem 1998:1328, 1334, and 1346 [ref. [23787](#)], Bonfil & Abdallah 2004:26, 30, 31 [ref. [27735](#)], Voigt & Weber 2011:60 [ref. [31424](#)]). •Synonym of *Carcharhinus amblyrhynchos* (Bleeker 1856) -- (Bonfil & Abdallah 2004:26 [ref. [27735](#)]). •Synonym of *Carcharhinus falciformis* (Valenciennes 1839) [after lectotype designation] -- (Garrick 1982:159 [ref. [5454](#)], Compagno 1984:470 [ref. [6846](#)], Randall et al. 1990:18 [ref. [15987](#)], Randall 1995:31 [ref. [22896](#)], Randall 2005:11 [ref. [28239](#)], Hoese et al. 2006:100 [ref. [29001](#)], Golani & Bogorodsky 2010:57 [ref. [35264](#)], Castro 2011:413 [ref. [31457](#)], Weigmann 2016:19 [ref. [34211](#)] with authors as Müller & Henle, Golani & Fricke 2018:10 [ref. [36273](#)]). **Current status:** Synonym of *Carcharhinus falciformis* (Müller & Henle 1839). Carcharhinidae. Habitat: marine.

pharaonis, Gymnorhinus Hemprich [F. W.] & Ehrenberg [C. G.] 1899:8, Pl. 7 (fig. 1) [Symbolae physicae; ref. [4977](#)] Type catalog: Paepke & Schmidt 1988:167-168 [ref. [21041](#)] with AMB 4476 as

holotype. See *Carcharias pharaonis* Ehrenberg in Klunzinger. •Synonym of *Carcharhinus menisorah* (Müller & Henle 1839) -- (Dor 1984:7 [ref. [29757](#)]). •Synonym of *Carcharhinus falciformis* (Müller & Henle 1839) -- (Compagno 1984:470 [ref. [6846](#)], Voigt & Weber 2011:60 [ref. [31424](#)], Kottelat 2013:21 [ref. [32989](#)]). **Current status:** Synonym of *Carcharhinus falciformis* (Müller & Henle 1839). Carcharhinidae. Habitat: marine.

sitankaiensis, Aprionodon Herre [A. W. C. T.] 1934:11 [Notes on fishes in the Zoological Museum of Stanford University. 1. The fishes of the Herre Philippine expedition of 1931.; ref. [2108](#)] Sitankai, Sibutu Islands, Sulu Province, Philippines. Holotype (unique): CAS-SU 13601. Type catalog: Böhlke 1953:9 [ref. [12291](#)]. •Synonym of *Carcharhinus falciformis* (Müller & Henle 1839) -- (Garrick 1982:159 [ref. [5454](#)], Compagno 1984:470 [ref. [6846](#)], Compagno et al. 2005:37 [ref. [29145](#)], Last et al. 2010:99 [ref. [32461](#)], Voigt & Weber 2011:60 [ref. [31424](#)]). **Current status:** Synonym of *Carcharhinus falciformis* (Müller & Henle 1839). Carcharhinidae. Habitat: marine.

tiburo, Squalus Poey [F.] 1860:331 [Memorias sobre la historia natural de la Isla de Cuba v. 2; ref. [3499](#)] Cuba. As *Prionodon tiburo* on plate (published 1861). •Synonym of *Carcharhinus falciformis* (Müller & Henle 1839) -- (Garrick 1982:159 [ref. [5454](#)], Voigt & Weber 2011:60 [ref. [31424](#)]). **Current status:** Synonym of *Carcharhinus falciformis* (Müller & Henle 1839). Carcharhinidae. Habitat: marine.

CARCHARHINUS OBSCURUS

Species that contain: Carcharhinus and obscurus (not including unavailable names) [9] records

ebilis, Galeolamna (Galeolamnoides) Whitley [G. P.] 1944:252, Fig. 1 [Australian Zoologist v. 10 (pt 3); ref. [4705](#)] Off Bald Head, towards Breaksea Island, Western Australia, depth 20 fathoms. Holotype: AMS IB.1615 (jaws and skin fragments). Paratypes: AMS IB.1609 (jaws), IB.1616 (1, jaws and skin fragments); WAM P.667-001 (1, mounted, jaws separate). Type catalog: Hutchins & Smith 1991:6 [ref. [19335](#)], Moore et al. 2008:4 [ref. [30117](#)]. •Synonym of *Carcharhinus obscurus* (Lesueur 1818) -- (Garrick 1982:121 [ref. [5454](#)], Compagno 1984:489 [ref. [6846](#)], Paxton et al. 1989:79 [ref. [12442](#)], Last & Stevens 1994:253 [ref. [23873](#)], Hoese et al. 2006:102 [ref. [29001](#)], Voigt & Weber 2011:84 [ref. [31424](#)], Castro 2011:444 [ref. [31457](#)]). **Current status:** Synonym of *Carcharhinus obscurus* (Lesueur 1818). Carcharhinidae. Habitat: brackish, marine.

falcipinnis, Carcharius Lowe [R. T.] 1839:90 [Proceedings of the Zoological Society of London 1839 (pt 7); ref. [2829](#)] Madeira, eastern Atlantic. Lowe specimen: BMNH 1851.1.9.14 (1, stuffed). •Synonym of *Carcharhinus obscurus* (Lesueur 1818) -- (Compagno 1973:25 [ref. [7163](#)]). •Status uncertain -- (Garrick 1982:187 [ref. [5454](#)]). •Questionably a synonym of *Carcharhinus falciformis* (Müller & Henle 1839) -- (Compagno 1984:470 [ref. [6846](#)]). •Synonym of *Carcharhinus falciformis* (Müller & Henle 1839) -- (Voigt & Weber 2011:58 [ref. [31424](#)]). **Current status:** Synonym of *Carcharhinus falciformis* (Müller & Henle 1839). Carcharhinidae. Habitat: marine.

greyi, Galeolamna Owen [R.] 1853:96 [Descriptive catalogue of the osteological series; ref. [4988](#)] South Australia. Holotype: Royal College Surgeons London (jaws, destroyed). •Questionably a synonym of *Carcharhinus obscurus* (Lesueur 1818) -- (Compagno 1984:489 [ref. [6846](#)]). •Status uncertain -- (Garrick 1982:186 [ref. [5454](#)], Paxton et al. 1989:84 [ref. [12442](#)], Hoese et al. 2006:108 [ref. [29001](#)]). •Synonym of *Carcharhinus brachyurus* (Günther 1870) -- (Last & Stevens 1994:236 [ref. [23873](#)]). •Synonym of *Carcharhinus obscurus* (Lesueur 1818) -- (Voigt & Weber 2011:84 [ref. [31424](#)]). **Current status:** Synonym of *Carcharhinus obscurus* (Lesueur 1818). Carcharhinidae. Habitat: brackish, marine.

iranzae, *Carcharhinus* Fourmanoir [P.] 1961:40, Pl. 13 (fig. C) [Mémoires de l'Institut Scientifique de Madagascar. Série F. Océanographie v. 4; ref. [9345](#)] Off northwest coast of Madagascar, south-western Indian Ocean. Syntypes: IRSMNB (probably lost). •Synonym of *Carcharhinus obscurus* (Lesueur 1818) -- (Garrick 1982:121 [ref. [5454](#)], Compagno 1984:489 [ref. [6846](#)], Compagno & Niem 1998:1344 [ref. [23787](#)], Voigt & Weber 2011:84 [ref. [31424](#)], Castro 2011:444 [ref. [31457](#)]). **Current status:** Synonym of *Carcharhinus obscurus* (Lesueur 1818). Carcharhinidae. Habitat: brackish, marine.

macrops, *Carcharhinus* Liu [J.-X.] 1983:101 (English p. 103), Fig. 1 [Acta Zootaxonomica Sinica v. 8 (no. 1); ref. [8314](#)] Xisha Islands, South China Sea. Holotype (unique): SCSFRI S 00367. •Valid as *Carcharhinus macrops* Liu 1983. •Highly likely to be a synonym of *C. obscurus* or *C. galapagensis* -- (White & Last 2013:243 [ref. [33042](#)]). **Current status:** Synonym of *Carcharhinus*. Carcharhinidae. Distribution: Western North Pacific: South China Sea [if valid]. Habitat: marine.

macrurus, *Carcharias* Ramsay [E. P.] & Ogilby [J. D.] 1887:163 [Proceedings of the Linnean Society of New South Wales (Series 2) v. 2 (pt 1); ref. [18602](#)] Port Jackson, New South Wales, Australia. Holotype (unique): AMS I.1155 (mounted skin). •Synonym of *Carcharhinus obscurus* (Lesueur 1818) -- (Garrick 1982:121 [ref. [5454](#)], Compagno 1984:489 [ref. [6846](#)], Paxton et al. 1989:79 [ref. [12442](#)], Last & Stevens 1994:253 [ref. [23873](#)], Hoese et al. 2006:102 [ref. [29001](#)], Voigt & Weber 2011:84 [ref. [31424](#)]). **Current status:** Synonym of *Carcharhinus obscurus* (Lesueur 1818). Carcharhinidae. Habitat: brackish, marine.

obscurella, *Carcharhinus* Deng [S.-M.], Xiong [G.-Q.] & Zhan [H.-X.] 1981:217 [English p. 220], Figs. 4-6 [Acta Zootaxonomica Sinica v. 6 (no. 2); ref. [8612](#)] Off Chang-jiang (Yangtze) River mouth, East China Sea, China. Holotype: ECSFI SH75-0678. Paratypes: ECSFI SH75-0512 (1), SH75-0056 (1), SH75-0636 (1), SH75-0669 (1). •Synonym of *Carcharhinus obscurus* (Lesueur 1818) -- (Compagno 1984:489 [ref. [6846](#)], Castro 2011:444 [ref. [31457](#)], Voigt & Weber 2011:84 [ref. [31424](#)]). **Current status:** Synonym of *Carcharhinus obscurus* (Lesueur 1818). Carcharhinidae. Habitat: brackish, marine.

obscurus, *Squalus* Lesueur [C. A.] 1818:223, Pl. 9 [Journal of the Academy of Natural Sciences, Philadelphia v. 1 (pt 2); ref. [2735](#)] No locality (= East coast of U.S.A.). No types known. Volume contains two plates labeled IX; *S. obscurus* is found on the second plate IX. •Valid as *Carcharhinus obscurus* (Lesueur 1818) -- (Compagno 1973:25 [ref. [7163](#)], Garrick 1982:120 [ref. [5454](#)], Eschmeyer & Herald 1983:39 [ref. [9277](#)], Branstetter in Whitehead et al. 1984:108 [ref. [13675](#)], Compagno 1984:489 [ref. [6846](#)], Nakaya in Masuda et al. 1984:6 [ref. [6441](#)], Bass et al. 1986:75 [ref. [5638](#)], Robins & Ray 1986:27 [ref. [23100](#)], Allen & Swainston 1988:22 [ref. [25477](#)], Scott & Scott 1988:25 [ref. [25518](#)], Gubanov & Timoxin 1989:224 [ref. [36138](#)], Paxton et al. 1989:79 [ref. [12442](#)], McAllister 1990:32 [ref. [14674](#)], Springer 1990:106 [ref. [19320](#)], Randall et al. 1990:21 [ref. [15987](#)], Boschung 1992:22 [ref. [23239](#)], Cervigón 1992:173 [ref. [23827](#)], Allen & Robertson 1994:23 [ref. [22193](#)], Gomon et al. 1994:123 [ref. [22532](#)], Last & Stevens 1994:252 [ref. [23873](#)], Compagno et al. in Fischer et al. 1995:678 [ref. [22829](#)], Allen 1997:42 [ref. [23977](#)], De La Cruz Agüero et al. 1997:28 [ref. [24545](#)], Murdy et al. 1997:31 [ref. [23144](#)], Arruda 1997:18 [ref. [24952](#)], Kuitert 1997:14 [ref. [25488](#)], Randall et al. 1997:21 [ref. [25919](#)], Compagno & Niem 1998:1344 [ref. [23787](#)], McEachran & Fechhelm 1998:82 [ref. [23897](#)], Smith-Vaniz et al. 1999:115 [ref. [25013](#)], Johnson 1999:719 [ref. [25471](#)], Compagno 1999:483 [ref. [25589](#)], Menezes & Marín 1999:1 [ref. [26473](#)], Musick et al. 2000:8 [ref. [24959](#)], Nakabo 2000:139 [ref. [25086](#)], Compagno in Randall & Lim 2000:580 [ref. [25122](#)], Laboute & Grandperrin 2000:93 [ref. [25191](#)], Lea & Rosenblatt 2000:119 [ref. [25206](#)], Schmitter-Soto et al. 2000:146 [ref. [27754](#)], Grace 2001:28 [ref. [25694](#)], Hutchins 2001:14 [ref. [25847](#)], Soto 2001:64, 79 [ref. [26637](#)], Camargo & Isaac 2001:139 [ref. [27639](#)], Bilecenoğlu et al. 2002:173 [ref. [26753](#)], Branstetter in Collette & Klein-MacPhee 2002:42 [ref. [26158](#)], Nakabo 2002:139 [ref. [26001](#)], Compagno 2003:485 [ref. [26984](#)], Gadig & Gomes in Menezes et al. 2003:23 [ref. [27192](#)], Manilo & Bogorodsky 2003:S92 [ref. [27377](#)], Bunkley-Williams & Williams 2004:96 [ref. [27795](#)], Espinosa Pérez et al. 2004:57 [ref. [27705](#)], Nelson et al. 2004:53 [ref. [27807](#)], Mundy 2005:91 [ref. [28379](#)], Hoese et al. 2006:102 [ref. [29001](#)], White 2008:70 [ref. [30617](#)], Fricke et al. 2011:346 [ref. [31424](#)], Voigt & Weber 2011:84 [ref. [31424](#)], Castro 2011:444 [ref. [31457](#)], White

2012:3 [ref. [31843](#)], Naylor et al. 2012:22 [ref. [34345](#)] see remarks, Fricke et al. 2013:247 [32706], Page et al. 2013:51 [ref. [32708](#)], Wirtz et al. 2013:115 [ref. [32972](#)], Larson et al. 2013:10 [ref. [32988](#)], Ebert et al. 2013:333 [ref. [33045](#)], Wirtz et al. 2014:2 [ref. [33516](#)], Duffy 2015:103 [ref. [34217](#)], Pinheiro et al. 2015:3 [ref. [34324](#)], Del Moral-Flores et al. 2016:93 [ref. [34398](#)], Weigmann 2016:22 [ref. [34211](#)], Compagno 2016:1313 [ref. [34544](#)], Fourrière et al. 2016:453 [ref. [34668](#)], Del Moral-Flores et al. 2016:605 [ref. [34923](#)], Nión et al. 2016:20 [ref. [35565](#)], Kells et al. 2016:70 [ref. [35888](#)], Ebert et al. 2017:56 [ref. [35618](#)], White et al. 2017:156 [ref. [35860](#)], Ehemann et al. 2018:21 [ref. [36194](#)], Fricke et al. 2018:14 [ref. [35805](#)], Golani & Fricke 2018:11 [ref. [36273](#)], Spier et al. 2018:4 [ref. [36103](#)], White & Ko'ou 2018:36 [ref. [35922](#)], Ehemann et al. 2019:[4] [ref. [36861](#)], Hoschke et al. 2019:153 [ref. [36626](#)]). **Current status:** Valid as *Carcharhinus obscurus* (Lesueur 1818). Carcharhinidae. Distribution: Nearly circumglobal in tropical and subtropical seas (including Caribbean Sea, Red Sea). Habitat: brackish, marine.

obvelatus, Prionodon Valenciennes [A.] 1844:103, Pl. 26 [Ichthyologie des îles Canaries v. 2 (pt 2); ref. [4502](#)] Canary Islands. Holotype (unique): MNHN 0000-6434 (dry). Type catalog: Bertin 1939:73 [ref. [20739](#)]. •Synonym of *Carcharhinus obscurus* (Lesueur 1818) -- (Garrick 1982:121 [ref. [5454](#)], Compagno 1984:489 [ref. [6846](#)] with question, Voigt & Weber 2011:84 [ref. [31424](#)]). **Current status:** Synonym of *Carcharhinus obscurus* (Lesueur 1818). Carcharhinidae. Habitat: brackish, marine.

PRIONACE GLAUCA

Species that contain: Prionace and glauca (not including unavailable names) [**12**] records

adscensionis, Squalus Osbeck [P.] 1765:385 [Reise nach Ostindien und China; ref. [3311](#)] [Ascensionsinsul] Ascension Island, South Atlantic. No types known. Apparently not used as a valid name since 1899 and can be considered a nomen oblitum. •Questionably a synonym of *Prionace glauca* (Linnaeus 1758) -- (Compagno 1984:521 [ref. [6846](#)], Nakano & Seki 2003:19 [ref. [26812](#)]). •Synonym of *Prionace glauca* (Linnaeus 1758) -- (Wirtz et al. 2014:2 [ref. [33516](#)], Dylidin 2015:53 [ref. [34524](#)]). **Current status:** Synonym of *Prionace glauca* (Linnaeus 1758). Carcharhinidae. Habitat: marine.

aethiops, Carcharias Philippi [R. A.] 1902:311 [Anales de la Universidad de Chile v. 109 (for July-Dec. 1901); ref. [14889](#)] Chile. Holotype (unique): whereabouts unknown. •Questionably a synonym of *Prionace glauca* (Linnaeus 1758) -- (Compagno 1984:521 [ref. [6846](#)], Nakano & Seki 2003:19 [ref. [26812](#)]). **Current status:** Uncertain as *Prionace glauca* (Linnaeus 1758). Carcharhinidae. Habitat: marine.

ciliaris, Squalus Bloch [M. E.] & Schneider [J. G.] 1801:132, Pl. 31 [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] Suriname. Holotype (unique): ZMB 4458 (young). Type catalog: Paepke & Schmidt 1988:168 [ref. [21041](#)]. •Questionably a synonym of *Prionace glauca* (Linnaeus 1758). **Current status:** Uncertain as *Prionace glauca* (Linnaeus 1758). Carcharhinidae. Habitat: marine.

glauca, Squalus Linnaeus [C.] 1758:235 [Systema Naturae, Ed. X v. 1; ref. [2787](#)] Mediterranean Sea and Northeastern Atlantic [original: "in Oceano Europeo"]; localities include Penzance, Cornwall, England, Northeastern Atlantic; Italy, Mediterranean Sea. No types known. On Official List. Originally based on at least 15 pre-Linnaean sources including Artedi 1738:69 [ref. [30578](#)] and Artedi 1738:98 [ref. [30349](#)] as *Squalus fossula triangulari in extremo dorso*; Rondelet 1554:378 [ref. [30354](#)] and Gesner 1558:718 [ref. [30350](#)] as *Galeus glaucus*, Jonston 1649:Pl. 8 (fig. 9) [ref. [30579](#)] as *Galeus glaucus* or *Galeus stellaris*, Willughby 1686:49 [ref. [30164](#)] and Ray 1713:22 [ref. [30231](#)] as *Galeus glaucus*. •Valid as *Prionace glauca* (Linnaeus 1758) -- (Compagno 1973:30 [ref. [7163](#)],

Eschmeyer & Herald 1983:41 [ref. [9277](#)], Branstetter in Whitehead et al. 1984:113 [ref. [13675](#)], Compagno 1984:521 [ref. [6846](#)], Nakaya in Masuda et al. 1984:7 [ref. [6441](#)], Bass et al. 1986:84 [ref. [5638](#)], Robins & Ray 1986:29 [ref. [23100](#)], Allen & Swainston 1988:24 [ref. [25477](#)], Scott & Scott 1988:26 [ref. [25518](#)], Gubanov & Timoxin 1989:223 [ref. [36138](#)], Paulin et al. 1989:25 [ref. [24556](#)], Paxton et al. 1989:83 [ref. [12442](#)], Pequeño 1989:13 [ref. [14125](#)], Winterbottom et al. 1989:4 [ref. [13251](#)], McAllister 1990:32 [ref. [14674](#)], Springer 1990:108 [ref. [19320](#)], Compagno et al. 1991:88 [ref. [21083](#)], Cervigón 1992:177 [ref. [23827](#)], Bianchi & Carpenter in Bianchi et al. 1993:78 [ref. [25472](#)], Gomon et al. 1994:125 [ref. [22532](#)], Last & Stevens 1994:263 [ref. [23873](#)], Compagno et al. in Fischer et al. 1995:685 [ref. [22829](#)], Randall 1995:35 [ref. [22896](#)], Santos et al. 1997:9 [ref. [23531](#)], Allen 1997:44 [ref. [23977](#)], Grove & Lavenberg 1997:87 [ref. [24023](#)], Arruda 1997:18 [ref. [24952](#)], Compagno & Niem 1998:1353 [ref. [23787](#)], McEachran & Fechhelm 1998:89 [ref. [23897](#)], Chirichigno F. & Vélez D. 1998:52 [ref. [24555](#)], Fricke 1999:23 [ref. [24106](#)], Morón et al. 1999:147 [ref. [24253](#)], Cervigón & Alcalá 1999:86 [ref. [24490](#)], Trunov 1999:461 [ref. [24579](#)], Smith-Vaniz et al. 1999:116 [ref. [25013](#)], Lessa et al. 1999:354 [ref. [25267](#)], Capapé et al. 1999:50 [ref. [25276](#)], Afonso et al. 1999:82 [ref. [25466](#)], Compagno 1999:484 [ref. [25589](#)], Nakabo 2000:135 [ref. [25086](#)], Compagno in Randall & Lim 2000:580 [ref. [25122](#)], Laboute & Grandperrin 2000:96 [ref. [25191](#)], Sheiko & Fedorov 2000:14 [ref. [25650](#)], Grace 2001:10 [ref. [25694](#)], Hutchins 2001:14 [ref. [25847](#)], Soto 2001:64, 82 [ref. [26637](#)], Bilecenoğlu et al. 2002:15 [ref. [26753](#)], Branstetter in Collette & Klein-MacPhee 2002:40 [ref. [26158](#)], Mecklenburg et al. 2002:71 [ref. [25968](#)], Nakabo 2002:135 [ref. [26001](#)], Youn 2002:53, 474 [ref. [26218](#)], Nakano & Seki 2003:19 [ref. [26812](#)], Compagno 2003:493 [ref. [26984](#)], Gadig & Gomes in Menezes et al. 2003:24 [ref. [27192](#)], Manilo & Bogorodsky 2003:S92 [ref. [27377](#)], Myers & Donaldson 2003:609 [ref. [27495](#)], Randall et al. 2004:5 [ref. [27624](#)], Espinosa Pérez et al. 2004:63 [ref. [27705](#)], Nelson et al. 2004:53 [ref. [27807](#)], Heemstra et al. 2004:3316 [ref. [27945](#)], Heemstra & Heemstra 2004:61 [ref. [28072](#)], Mundy 2005:92 [ref. [28379](#)], Compagno et al. 2005:43 [ref. [29145](#)], Vaske et al. 2005:77 [ref. [36155](#)], Hoese et al. 2006:105 [ref. [29001](#)], Fricke 2007:26 [ref. [30577](#)], Fricke et al. 2007:14 [ref. [29533](#)], Wirtz et al. 2007:24 [ref. [30263](#)], White 2008:72 [ref. [30617](#)], Fricke et al. 2009:10 [ref. [30213](#)], George 2009:34 [ref. [30539](#)], Last et al. 2010:124 [ref. [32461](#)], Lipej & Dulčić 2010:9 [ref. [36649](#)], McCosker & Rosenblatt 2010:187 [ref. [30957](#)], Fricke et al. 2011:346 [ref. [31242](#)], Castro 2011:486 [ref. [31457](#)], Page et al. 2013:52 [ref. [32708](#)], Wirtz et al. 2013:116 [ref. [32972](#)], Larson et al. 2013:12 [ref. [32988](#)], Ebert et al. 2013:336 [ref. [33045](#)], Wirtz et al. 2014:2 [ref. [33516](#)], Parin et al. 2014:23 [ref. [33547](#)], Duffy 2015:106 [ref. [34217](#)], Duffy & Ahyong 2015:107 [ref. [36167](#)], Dyldin 2015:53 [ref. [34524](#)], Pietsch & Orr 2015:15 [ref. [34694](#)], Pinheiro et al. 2015:3 [ref. [34324](#)], Psomadakis et al. 2015:86 [ref. [34104](#)], Del Moral-Flores et al. 2016:96 [ref. [34398](#)], Weigmann 2016:25 [ref. [34211](#)], Bañón et al. 2016:301 [ref. [34397](#)], Compagno 2016:1323 [ref. [34544](#)], Fourrière et al. 2016:453 [ref. [34668](#)], Del Moral-Flores et al. 2016:605 [ref. [34923](#)], Nión et al. 2016:20 [ref. [35565](#)], Kells et al. 2016:72 [ref. [35888](#)], Ebert et al. 2017:56 [ref. [35618](#)], White et al. 2017:172 [ref. [35860](#)], Dyldin & Orlov 2018:164 [ref. [35920](#)], Ehemann et al. 2018:22 [ref. [36194](#)], Fricke et al. 2018:16 [ref. [35805](#)], Kumar et al. 2018:297 [ref. [36178](#)], White & Ko'ou 2018:39 [ref. [35922](#)], Brown et al. 2019:153 [ref. [36444](#)], Ehemann et al. 2019:[4] [ref. [36861](#)]). **Current status:** Valid as *Prionace glauca* (Linnaeus 1758). Carcharhinidae. Distribution: Circumglobal in tropical through temperate seas (including Caribbean Sea, western Baltic Sea, North Sea, Mediterranean Sea). Habitat: marine.

gracilis, Carcharias Philippi [R. A.] 1887:539 [7], Pl. 2 [Anales de la Universidad de Chile Sec. 1, v. 71; ref. [3464](#)] Chile. Holotype (unique): DBCUCH. On p. 7 of separate. •Synonym of *Prionace glauca* (Linnaeus 1758) -- (Compagno 1984:521 [ref. [6846](#)], Nakano & Seki 2003:19 [ref. [26812](#)], Dyldin 2015:53 [ref. [34524](#)]). **Current status:** Synonym of *Prionace glauca* (Linnaeus 1758). Carcharhinidae. Habitat: marine.

hirundinaceus, Carcharias Valenciennes [A.] in Müller & Henle 1839:37 [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Brazil. Holotype (unique): MNHN A-9656. Type catalog: Bertin 1939:73 [ref. [20739](#)]. Authorship perhaps should be Müller & Henle (ex Valenciennes). •Synonym of *Prionace glauca* (Linnaeus 1758) -- (Compagno 1984:521 [ref. [6846](#)], Soto 2001:83 [ref. [26637](#)], Nakano & Seki 2003:19 [ref. [26812](#)], Dyldin 2015:53 [ref. [34524](#)]). **Current status:** Synonym of *Prionace glauca* (Linnaeus 1758). Carcharhinidae. Habitat: marine.

isodus, Hypoprion (Hemigaleus?) Philippi [R. A.] 1887:542 [10], Pl. 2 (fig. 5) [Anales de la Universidad de Chile Sec. 1, v. 71; ref. [3464](#)] Chile. Holotype (unique): MNHNC (jaws). On p. 10 of separate. See also Pequeño 1989:13 [ref. [14125](#)]. •Status uncertain -- (Garrick 1982:187 [ref. [5454](#)]). •Synonym of *Prionace glauca* (Linnaeus 1758) -- (Compagno 1984:521 [ref. [6846](#)], Nakano & Seki 2003:19 [ref. [26812](#)]). •See also Pequeño 1989:13 [ref. [14125](#)]. **Current status:** Synonym of *Prionace glauca* (Linnaeus 1758). Carcharhinidae. Habitat: marine.

mackiei, Prionace Phillipps [W. J.] 1935:238, Fig. 2 [New Zealand Journal of Zoology, J. Sci. Tech. v. 16 (no. 4); ref. [15671](#)] Lyall Bay, Wellington, New Zealand. Holotype: NMNZ P.1120 (dry and stuffed skin). Type catalog: Hardy 1990:6 [ref. [18942](#)]. •Synonym of *Prionace glauca* (Linnaeus 1758) -- (Compagno 1984:521 [ref. [6846](#)] as *macki*, Last & Stevens 1994:264 [ref. [23873](#)] as *macki*, Nakano & Seki 2003:19 [ref. [26812](#)] as *macki*, Dyldin 2015:53 [ref. [34524](#)]). **Current status:** Synonym of *Prionace glauca* (Linnaeus 1758). Carcharhinidae. Habitat: marine.

pugae, Carcharias Pérez Canto [C.] 1886:2 [Anales de la Universidad de Chile Sec. 1, v. 69; ref. [18531](#)] Chile. ?MHNV (possibly lost). See also Philippi 1887:538 [p. 6 of separate], Pl. 6 (fig. 2) [ref. [3464](#)]. •Synonym of *Prionace glauca* (Linnaeus 1758) -- (Compagno 1984:521 [ref. [6846](#)], Nakano & Seki 2003:19 [ref. [26812](#)], Dyldin 2015:53 [ref. [34524](#)]). **Current status:** Synonym of *Prionace glauca* (Linnaeus 1758). Carcharhinidae. Habitat: marine.

rondeletii, Squalus Risso [A.] 1810:27 [Ichthyologie de Nice; ref. [3755](#)] Nice, France, northwestern Mediterranean Sea. No types known. •Questionably a synonym of *Prionace glauca* (Linnaeus 1758) -- (Compagno 1973:30 [ref. [7163](#)], Compagno 1984:521 [ref. [6846](#)], Nakano & Seki 2003:19 [ref. [26812](#)]). **Current status:** Uncertain as *Prionace glauca* (Linnaeus 1758). Carcharhinidae. Habitat: marine.

thalassinus, Galeus Valenciennes [A.] in Cuvier 1835:165, 511 [Leçons d'anatomie comparée 2nd ed., vol. 2 (4); ref. [31527](#)] Atlantic, Mediterranean Sea. •Questionably a synonym of *Prionace glauca* (Linnaeus 1758) -- (Compagno 1973:30 [ref. [7163](#)], Compagno 1984:521 [ref. [6846](#)], Nakano & Seki 2003:19 [ref. [26812](#)]). **Current status:** Uncertain as *Prionace glauca* (Linnaeus 1758). Carcharhinidae. Habitat: marine.

vulpecula, Thalassorhinus Müller [J.] & Henle [F. G. J.] (ex Valenciennes) 1839:62 [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Atlantic, Mediterranean Sea. Appeared first as name only in Bonaparte 1838:210 [ref. [4979](#)]. Dates to Müller & Henle 1839:62 [ref. [3069](#)]. •Synonym of or questionably in the synonymy of *Prionace glauca* (Linnaeus 1758) -- (Compagno 1973:30 [ref. [7163](#)], Compagno 1984:521 [ref. [6846](#)], Nakano & Seki 2003:19 [ref. [26812](#)]). •Synonym of *Prionace glauca* (Linnaeus 1758) -- (Dyldin 2015:54 [ref. [34524](#)] with authorship as Valenciennes). **Current status:** Synonym of *Prionace glauca* (Linnaeus 1758). Carcharhinidae. Habitat: marine.

CETORHINIDAE

CETORHINUS MAXIMUS

Species that contain: Cetorhinus and maximus (including unavailable names) [**20**] records

angiowa, Tetroras Rafinesque [C. S.] 1810:11 [Caratteri di alcuni nuovi generi e nuove specie di animali e piante della Sicilia; ref. [3594](#)] Sicily, Italy, Mediterranean Sea. No types known. Also appeared in Rafinesque 1810:46 [ref. [3595](#)]. Spelled *angiona* by Bigelow & Schroeder 1948:146 [ref.

[16817](#)]. •Questionably a synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. [6474](#)], Compagno 2001:91 [ref. [26323](#)], Dylidin 2015:47 [ref. [34524](#)]). **Current status:** Uncertain as *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

blainvillei, *Cetorhinus* de Brito Capello [F.] 1869:233, pl. [Jornal do Ciências Matemáticas, Physicas e Naturaes, Lisboa v. 2 (no. 7); ref. [17966](#)] Portugal. No types known. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. [6474](#)], Dylidin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

cetaceus, *Squalus* Gronow [L. T.] in Gray 1854:6 [Catalogue of fish collected and described by Laurence Theodore Gronow; ref. [1911](#)] Norwegian Sea. No types known. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. [6474](#)], Compagno 2001:91 [ref. [26323](#)], Dylidin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

elephas, *Squalus* Lesueur [C. A.] 1822:350, unnumbered plate [Journal of the Academy of Natural Sciences, Philadelphia v. 2; ref. [17519](#)] Brown's Point, Raritan Bay, New Jersey, U.S.A. Holotype (unique): whereabouts unknown. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. [6474](#)], Dylidin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

gunneri, *Squalis (Cetorhinus)* Blainville [H. de] 1816:121 [Bulletin des Sciences, par la Société Philomathique de Paris v. 8; ref. [306](#)] Not available, name only; perhaps shortened spelling for *Squalus gunnerianus* Blainville 1810. •In the synonymy of *Cetorhinus maximus* (Gunnerus 1765) -- (Springer 1973:16 [ref. [7162](#)], Compagno 1984:234 [ref. [6474](#)], Compagno 2001:91 [ref. [26323](#)], Dylidin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae.

gunnerianus, *Squalus* Blainville [H. de] 1810:256, Pl. 2 (fig. 3) [Journal de Physique, de Chimie et d'Histoire Naturelle Paris v. 71; ref. [16818](#)] Nordland County, northern Norway, Northeastern Atlantic. No types known. Also appeared in Blainville 1811:170 [ref. [16819](#)]. Unneeded replacement name for *Squalus maximus* Gunnerus 1765. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Springer 1973:16 [ref. [7162](#)], Compagno 1984:234 [ref. [6474](#)], Compagno 2001:91 [ref. [26323](#)], Hoese & Gates 2006:74 [ref. [28997](#)], Dylidin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

homianus, *Squalus* Blainville [H. de] 1810:171, Pl. 2 (fig. 1) [Nouveau Bulletin des Sciences, par la Société Philomathique, Paris. v. 2 (no. 38); ref. [16819](#)] No types known. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. [6474](#)], Compagno 2001:91 [ref. [26323](#)], Dylidin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

infanuncula, *Cetorhinus maximus* forma van Deinse [A. B.] & Adriani [M. J.] 1953:309 [Zoologische Mededelingen (Leiden) v. 31(no. 27); ref. [21995](#)] Infrasubspecific, not available, as a forma (or aberration) of specimens without gill rakers. •In the synonymy of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. [6474](#)], Compagno 2001:91 [ref. [26323](#)], Dylidin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae.

isodus, *Squalus* Macri [S.] 1819:65, 76, Pl. 1 (fig. 1) [Atti della Accademia di scienze Napoli. Atti della Rale Academia delle Science, Sezione della Società Reale Borbonica, Class di Fisica e di Storia Naturelem, Nappli. v. 1; ref. [17591](#)] Capri Island, Italy, western Mediterranean Sea. No types known. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 2001:91 [ref. [26323](#)], Dylidin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

maccoyi, *Tetroras* Barrett [C.] (ex Whitley & Phillipps) 1933:13, fig. [ref. [19945](#)] Eastern Australia and New Zealand. Holotype: Melbourne Aquarium (whereabouts unknown). See also Whitley 1934:197 [ref. [4949](#)]. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Springer & Gilbert 1976:52 [ref. [21287](#)], Quéro in Whitehead et al. 1984:89 [ref. [13675](#)], Compagno 1984:234 [ref. [6474](#)], Paxton et al. 1989:67 [ref. [12442](#)], Last & Stevens 1994:160 [ref. [23873](#)], Compagno 2001:91 [ref. [26323](#)], Hoese & Gates 2006:75 [ref. [28997](#)], Dylidin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

macer, *Polyprosopus* Couch [J.] 1862:68, Pl. 15 (fig. 2) [The history of the fishes of the British islands v. 1; ref. [989](#)] Startpoint, Cornwall, England. No types known. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. [6474](#)], Compagno 2001:91 [ref. [26323](#)], Dylidin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

maximus, *Squalus* Gunnerus [J. E.] 1765:33, Pl. 2 [Der Trondhiemske Selskabs Skrifter v. 3; ref. [18172](#)] Nordland County, northern Norway, Northeastern Atlantic. No types known. Original spelling as *Squalus maximus* due to classical typesetting. Lectotype selected by Fricke 1999:15 [ref. [24101](#)] as the illustration of Gunnerus (1765: Pl. 2) [specimen not in existence]. •Valid as *Cetorhinus maximus* (Gunnerus 1765) -- (Springer 1973:16 [ref. [7162](#)], Springer & Gilbert 1976:47 [ref. [21287](#)], Eschmeyer & Herald 1983:28 [ref. [9277](#)], Quéro in Whitehead et al. 1984:89 [ref. [13675](#)], Compagno 1984:234 [ref. [6474](#)], Nakaya in Masuda et al. 1984:8 [ref. [6441](#)], Menni 1986:434 [ref. [11487](#)], Bass 1986:101 [ref. [5635](#)], Robins & Ray 1986:19 [ref. [23100](#)], Scott & Scott 1988:17 [ref. [25518](#)], Paxton et al. 1989:67 [ref. [12442](#)], Pequeño 1989:12 [ref. [14125](#)], Paulin et al. 1989:20 [ref. [24556](#)], McAllister 1990:30 [ref. [14674](#)], Springer 1990:86 [ref. [19319](#)], Gomon et al. 1994:144 [ref. [22532](#)], Last & Stevens 1994:159 [ref. [23873](#)], Compagno et al. in Fischer et al. 1995:688 [ref. [22829](#)], Cheng & Zhou 1997:21 [ref. [26385](#)], Murdy et al. 1997:23 [ref. [23144](#)], Santos et al. 1997:10 [ref. [23531](#)], Arruda 1997:16 [ref. [24952](#)], McEachran & Fechhelm 1998:52 [ref. [23897](#)], Chirichigno F. & Vélez D. 1998:44 [ref. [24555](#)], Sokolovskaya et al. 1998:7 [ref. [24670](#)], Compagno 1999:478 [ref. [25589](#)], Fricke 1999:15 [ref. [24101](#)], Musick et al. 2000:8 [ref. [24959](#)], Nakabo 2000:124 [ref. [25086](#)], Compagno in Randall & Lim 2000:578 [ref. [25122](#)], Sheiko & Fedorov 2000:14 [ref. [25650](#)], Hutchins 2001:13 [ref. [25847](#)], Compagno 2001:91 [ref. [26323](#)], Soto 2001:65, 88 [ref. [26637](#)], Bilecenoğlu et al. 2002:10 [ref. [26753](#)], Branstetter in Collette & Klein-MacPhee 2002:32 [ref. [26158](#)], Mecklenburg et al. 2002:81 [ref. [25968](#)], Nakabo 2002:124 [ref. [26001](#)], Youn 2002:57, 476 [ref. [26218](#)], Compagno 2003:431 [ref. [26984](#)], Gadig & Gomes in Menezes et al. 2003:25 [ref. [27192](#)], Espinosa Pérez et al. 2004:81 [ref. [27705](#)], Nelson et al. 2004:52 [ref. [27807](#)], Mundy 2005:97 [ref. [28379](#)], Compagno et al. 2005:17 [ref. [29145](#)], Hoese & Gates 2006:74 [ref. [28997](#)], Fricke 2007:25 [ref. [30577](#)], Fricke et al. 2007:12 [ref. [29533](#)], White 2008:43 [ref. [30617](#)], George 2009:34 [ref. [30539](#)], Lipej & Dulčić 2010:6 [ref. [36649](#)], Møller et al. 2010:16 [ref. [31169](#)], Motomura et al. 2010:68 [ref. [31256](#)], Mecklenburg et al. 2011:115 [ref. [31212](#)], Castro 2011:249 [ref. [31457](#)], Page et al. 2013:50 [ref. [32708](#)], Wirtz et al. 2013:115 [ref. [32972](#)], Ebert et al. 2013:311 [ref. [33045](#)], Parin et al. 2014:18 [ref. [33547](#)], Duffy 2015:69 [ref. [34217](#)], Duffy & Ahyong 2015:106 [ref. [36167](#)], Dylidin 2015:47 [ref. [34524](#)], Pietsch & Orr 2015:13 [ref. [34694](#)], Del Moral-Flores et al. 2016:75 [ref. [34398](#)], Weigmann 2016:13 [ref. [34211](#)], Compagno 2016:1238 [ref. [34544](#)], Nión et al. 2016:19 [ref. [35565](#)], Kells et al. 2016:64 [ref. [35888](#)], Ebert et al. 2017:53 [ref. [35618](#)], Dylidin & Orlov 2018:163 [ref. [35920](#)], Ehemann et al. 2018:21 [ref. [36194](#)], Mecklenburg et al. 2018:24 [ref. [36370](#)]). **Current status:** Valid as *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Distribution: Cosmopolitan but antitropical (including Mediterranean Sea, Baltic Sea, North Sea). Habitat: marine.

normani, *Cetorhinus* Siccardi [E. M.] 1961:255, Pl. 1 [Revista del Museo Argentino de Ciencias Naturales "Bernardino Rivadavia", Ciencias Zoológicas v. 6 (no. 2); ref. [9379](#)] Mar del Plata and Puerto Quequén, Argentina. Syntypes: (4) MACN. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Springer & Gilbert 1976:52 [ref. [21287](#)], Quéro in Whitehead et al. 1984:89 [ref. [13675](#)], Compagno 1984:234 [ref. [6474](#)], Compagno 2001:91 [ref. [26323](#)], Soto 2001:88 [ref. [26637](#)], Dylidin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

pelegrinus, Squalus Blainville [H. de] 1810:365, Pl. 2 (fig. 2) [Nouveau Bulletin des Sciences, par la Société Philomathique, Paris. v. 2 (4. année, No. 50); ref. [26329](#)] Dieppe, northern France. Holotype: MNHN 0000-9853 (mounted). Type catalog: Bertin 1939:74-75 [ref. [20739](#)]. Also in Blainville 1811:169 [ref. [16819](#)]; spelled *peregrinus* in Blainville 1811:365 [ref. [26329](#)] and 1816:121 [ref. [306](#)]. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. [6474](#)], Compagno 2001:91 [ref. [26323](#)], Castro 2011:249 [ref. [31457](#)] as *peregrinus*, Dyldin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

pennantii, Selachus Cornish [T.] 1885:351 [The Zoologist: a Popular Miscellany of Natural History (Series 3) v. 9 (no. 105); ref. [18041](#)] Mount's Bay, England. No types known. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. [6474](#)], Compagno 2001:91 [ref. [26323](#)], Dyldin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

pontoppidiani, Halsydrus Fleming [J.] (ex Neill) 1817:691 [Edinburgh Encyclopedia v. 11; ref. [26328](#)] Holotype (unique): NMSZ 1979.012 (parts). Appeared first without distinguishing features as *pontoppidani* in Neill 1809; see Bland & Swinney 1978:134 [ref. [26326](#)]. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. [6474](#)], Compagno 2001:91 [ref. [26323](#)], Dyldin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

rashleighanus, Squalus Couch [J.] 1838:51 [A Cornish fauna, being a compendium of the natural history of the county; ref. [18049](#)] Cornwall, England. No types known. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. [6474](#)], Dyldin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

rhinoceros, Squalus DeKay [J. E.] (ex Mitchill) 1842:358 [Zoology of New-York; ref. [1098](#)] Not available, name mentioned in passing under *Selachus maximus*. •In the synonymy of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. [6474](#)], Compagno 2001:91 [ref. [26323](#)]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae.

rostratus, Squalus Macrí [S.] 1819:76, Pl. 1 (fig. 2) [Atti della Accademia di scienze Napoli. Atti della Raele Academia delle Science, Sezione della Società Reale Borbonica, Class di Fisica e di Storia Naturelem, Nappli. v. 1; ref. [17591](#)] Messina, Sicily, Italy, Mediterranean Sea. No types known. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Springer & Gilbert 1976:52 [ref. [21287](#)], Quéro in Whitehead et al. 1984:89 [ref. [13675](#)], Compagno 1984:234 [ref. [6474](#)], Compagno 2001:91 [ref. [26323](#)], Dyldin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

shavianus, Squalis (Cetorhinus) Blainville [H. de] 1816:121 [Bulletin des Sciences, par la Société Philomathique de Paris v. 8; ref. [306](#)] Not available, name only. •In the synonymy of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. [6474](#)], Compagno 2001:91 [ref. [26323](#)], Dyldin 2015:47 [ref. [34524](#)]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae.

LAMNIDAE

CARCHARODON CARCHARIAS

Species that contain: Carcharodon and carcharias (including unavailable names) [**13**] records

albmors, *Carcharodon* Whitley [G. P.] 1939:240 [Australian Zoologist v. 9 (pt 3); ref. [4695](#)] Port Jackson, Sydney harbor, New South Wales, Australia. Holotype (unique): AMS I.1723. Based on literature and one specimen cited as type. •Synonym of *Carcharodon carcharias* (Linnaeus 1758) -- (Paxton et al. 1989:67 [ref. [12442](#)], Last & Stevens 1994:163 [ref. [23873](#)], Compagno 2001:100 [ref. [26323](#)], Hoese & Gates 2006:77 [ref. [28997](#)], Dylidin 2015:45 [ref. [34524](#)]). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: brackish, marine.

atwoodi, *Carcharias* Storer [D. H.] 1848:71 [Proceedings of the Boston Society of Natural History v. 3 (1848-1851); ref. [18843](#)] Provincetown, Massachusetts, U.S.A. Holotype (unique): MCZ 89505 (missing) [jaws may be MCZ 775-S]. •Synonym of *Carcharodon carcharias* (Linnaeus 1758) -- (Compagno 1984:238 [ref. [6474](#)], Compagno 2001:100 [ref. [26323](#)], Dylidin 2015:45 [ref. [34524](#)]). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: brackish, marine.

caninus, *Squalus* Osbeck [P.] 1765:102 [Reise nach Ostindien und China; ref. [3311](#)] Southeastern Atlantic, southwest of Cape of Good Hope, at 35°15' S. No types known. •Synonym of *Carcharodon carcharias* (Linnaeus 1758). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: brackish, marine.

capensis, *Carcharodon* Smith [A.] 1839:no pagination, Pl. 4 [Illustrations of the zoology of South Africa v. 4; ref. [4035](#)] Cape Seas, South Africa. Holotype: BMNH 1850.9.5.3 (stuffed). •Synonym of *Carcharodon carcharias* (Linnaeus 1758) -- (Bass 1986:98 [ref. [5635](#)], Compagno 2001:100 [ref. [26323](#)], Dylidin 2015:45 [ref. [34524](#)]). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: brackish, marine.

carcharias, *Squalus* Linnaeus [C.] 1758:235 [Systema Naturae, Ed. X v. 1; ref. [2787](#)] Mediterranean Sea, northeastern Atlantic, western Atlantic [original: "in Europa"]; localities include Bayonne, France, Bay of Biscay; Spain; Marseille and Nice, France; Italy; Malta; Lesbos Island, Greece; Syria; Brazil. No types known. Lectotype or neotype fixation needed: the type locality should be restricted to Mediterranean Sea or Northeastern Atlantic Ocean, according to current usage. Neotype designation by Fricke 1999:15 [ref. [24106](#)] is invalid; see Fricke 2000:639 [ref. [24537](#)]. Originally based on multiple species and at least 30 pre-Linnaean sources including Artedi 1738:70 [ref. [30578](#)] and Artedi 1738:98 [ref. [30349](#)] as *Squalus dorso plano, dentibus serratis*; Rondelet 1554:390 [ref. [30354](#)] as *Lamia*, Markgraf von Liebstadt 1648:181 [ref. [30347](#)] as *Tiburo*, Jonston 1649:209, Pl. 39 [ref. [30579](#)] as *Tiburone*, Charleton 1668:127 [ref. [30580](#)] as *Canis carcharias*, Willughby 1686:47 [ref. [30164](#)] and Ray 1713:18 [ref. [30231](#)] as *Canis carcharias seu lamia*. •Valid as *Carcharodon carcharias* (Linnaeus 1758) -- (Springer 1973:13 [ref. [7162](#)], Eschmeyer & Herald 1983:29 [ref. [9277](#)], Compagno 1984:238 [ref. [6474](#)], Quéro in Whitehead et al. 1984:84 [ref. [13675](#)], Nakaya in Masuda et al. 1984:9 [ref. [6441](#)], Bass 1986:98 [ref. [5635](#)], Menni 1986:433 [ref. [11487](#)], Robins & Ray 1986:19 [ref. [23100](#)], Nakano & Nakaya 1987:414 [ref. [12620](#)], Scott & Scott 1988:14 [ref. [25518](#)], Gubanov & Timoxin 1989:220 [ref. [36138](#)], Paxton et al. 1989:67 [ref. [12442](#)], Pequeño 1989:12 [ref. [14125](#)], Paulin et al. 1989:20 [ref. [24556](#)], McAllister 1990:29 [ref. [14674](#)], Springer 1990:87 [ref. [19319](#)], Randall et al. 1990:17 [ref. [15987](#)], Cervigón 1992:180 [ref. [23827](#)], Francis 1993:157 [ref. [25479](#)], Francis & Randall 1993:125 [ref. [20996](#)], Kuitert 1993:14 [ref. [23929](#)], Bianchi & Carpenter in Bianchi et al. 1993:73 [ref. [25472](#)], Gomon et al. 1994:142 [ref. [22532](#)], Last & Stevens 1994:162 [ref. [23873](#)], Goren & Dor 1994:1 [ref. [25356](#)], Compagno et al. in Fischer et al. 1995:703 [ref. [22829](#)], Randall 1995:24 [ref. [22896](#)], Grove & Lavenberg 1997:57 [ref. [24023](#)] [but see McCosker 1998:809 [ref. [24025](#)]], Santos et al. 1997:10 [ref. [23531](#)], Arruda 1997:15 [ref. [24952](#)], Cheng & Zhou 1997:20 [ref. [26385](#)], Compagno 1998:1276 [ref. [23785](#)], McEachran & Fehlem 1998:54 [ref. [23897](#)], Chirichigno F. & Vélez D. 1998:44 [ref. [24555](#)], Sokolovskaya et al. 1998:7 [ref. [24670](#)], Fricke 1999:14 [ref. [24106](#)], Smith-Vaniz et al. 1999:120 [ref. [25013](#)], Johnson 1999:719 [ref. [25471](#)], Compagno 1999:478 [ref. [25589](#)], Musick et al. 2000:8 [ref. [24959](#)], Nakabo 2000:125 [ref. [25086](#)], Compagno in Randall & Lim 2000:578 [ref. [25122](#)], Laboute & Grandperrin 2000:87 [ref. [25191](#)], Sheiko & Fedorov 2000:14 [ref. [25650](#)], Storai et al. 2001:139 [ref. [25325](#)], Hutchins 2001:13 [ref. [25847](#)], Compagno 2001:100 [ref. [26323](#)], Soto 2001:65, 89 [ref. [26637](#)], Bilecenoğlu et al. 2002:9 [ref. [26753](#)], Mecklenburg et al. 2002:77 [ref. [25968](#)], Nakabo 2002:125 [ref. [26001](#)], Branstetter in Collette & Klein-MacPhee 2002:27 [ref. [26158](#)], Youn 2002:58, 476 [ref.

[26218](#)], Compagno 2003:436 [ref. [26984](#)], Gadig & Gomes in Menezes et al. 2003:25 [ref. [27192](#)], Espinosa Pérez et al. 2004:83 [ref. [27705](#)], Nelson et al. 2004:52 [ref. [27807](#)], Heemstra & Heemstra 2004:70 [ref. [28072](#)], Mundy 2005:97 [ref. [28379](#)], Compagno et al. 2005:18 [ref. [29145](#)], Hoese & Gates 2006:77 [ref. [28997](#)], Moore et al. 2007:67 [ref. [29311](#)], Fricke et al. 2007:12 [ref. [29533](#)], Randall 2007:40 [ref. [30952](#)], White 2008:40 [ref. [30617](#)], Fricke et al. 2009:8 [ref. [30213](#)], Golani & Bogorodsky 2010:56 [ref. [35264](#)], Lipej & Dulčić 2010:6 [ref. [36649](#)], Fricke et al. 2011:345 [ref. [31242](#)], Castro 2011:258 [ref. [31457](#)], Mollen et al. 2012:30 [ref. [32005](#)], Page et al. 2013:50 [ref. [32708](#)], Smith-Vaniz & Collette 2013:168 [ref. [32953](#)], Wirtz et al. 2013:115 [ref. [32972](#)], Ebert et al. 2013:311 [ref. [33045](#)], Parin et al. 2014:19 [ref. [33547](#)], Duffy 2015:71 [ref. [34217](#)], Duffy & Ah Yong 2015:106 [ref. [36167](#)], Dylidin 2015:45 [ref. [34524](#)], Pinheiro et al. 2015:2 [ref. [34324](#)], Del Moral-Flores et al. 2016:75 [ref. [34398](#)], Weigmann 2016:14 [ref. [34211](#)], Compagno 2016:1243 [ref. [34544](#)], Dylidin & Orlov 2016:545 [ref. [34656](#)], Fourrière et al. 2016:440 [ref. [34668](#)], Del Moral-Flores et al. 2016:605 [ref. [34923](#)], Koeda et al. 2016:4 [ref. [35333](#)], Nión et al. 2016:20 [ref. [35565](#)], Kells et al. 2016:66 [ref. [35888](#)], Ebert et al. 2017:54 [ref. [35618](#)], Fricke et al. 2018:9 [ref. [35805](#)], Dylidin & Orlov 2018:163 [ref. [35920](#)], Ehemann et al. 2018:21 [ref. [36194](#)], Hoschke et al. 2019:153 [ref. [36626](#)]. **Current status:** Valid as *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Distribution: Circumglobal in tropical and temperate seas (including Mediterranean Sea), not in the Arctic. Habitat: brackish, marine.

lamia, Carcharias Rafinesque [C. S.] 1810:44 [Indice d'ittologia siciliana; ref. [3595](#)] New name for *Squalus carcharias* Linnaeus 1758. Not available, on Official Index (Opinion 723). •Synonym of *Carcharodon carcharias* (Linnaeus 1758) -- (Springer 1973:13 [ref. [7162](#)], Springer 1990:87 [ref. [19319](#)], Compagno 2001:100 [ref. [26323](#)], Hoese & Gates 2006:77 [ref. [28997](#)], Lipej & Dulčić 2010:6 [ref. [36649](#)], Dylidin 2015:45 [ref. [34524](#)]). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: brackish, marine.

maso, Carcharias Morris [E. F.] 1898:412 [Australian English; ref. [30215](#)] New Zealand. No types known. Name only, not available. •In the synonymy of *Carcharodon carcharias* (Linnaeus 1758) -- (Compagno 1984:238 [ref. [6474](#)], Compagno 2001:100 [ref. [26323](#)], Dylidin 2015:45 [ref. [34524](#)]). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae.

rondeletii, Carcharodon Müller [J.] & Henle [F. G. J.] 1839:70 [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Adriatic Sea (Mediterranean Sea); Atlantic; Cape Town, South Africa, southeastern Atlantic; Pacific coast of Australia. Syntypes: BMNH 1850.9.5.3 (1 stuffed) Cape Town, South Africa; RUSM uncat. (2, whereabouts unknown), SMF uncat. (1, whereabouts unknown) Adriatic, ZMB uncat. (1, whereabouts unknown). •Synonym of *Carcharodon carcharias* (Linnaeus 1758) -- (Springer 1973:13 [ref. [7162](#)], Paxton et al. 1989:67 [ref. [12442](#)], Compagno 2001:100 [ref. [26323](#)], Bilecenoğlu et al. 2002:9 [ref. [26753](#)] dated 1841, Hoese & Gates 2006:77 [ref. [28997](#)], Lipej & Dulčić 2010:6 [ref. [36649](#)], Castro 2011:258 [ref. [31457](#)] as *rondeletti*, Dylidin 2015:45 [ref. [34524](#)]). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: brackish, marine.

smithi, Carcharodon Bonaparte [C. L.] 1838:9 [Nuovi annali delle scienze naturali e rendiconto dei lavori dell'Accademia della Scienze dell'Istituto di Bologna con appendice agraria. Bologna v. 2; ref. [4979](#)] No locality stated. Although authorship is credited to Müller & Henle, the name is used first in Bonaparte. •Synonym of *Carcharodon carcharias* (Linnaeus 1758) -- (Compagno 1984:238 [ref. [6474](#)], Dylidin 2015:45 [ref. [34524](#)]). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: brackish, marine.

smithii, Carcharodon Agassiz [L.] (ex Müller & Henle) 1838:90, Pl. F (figs. 3, 3a-3c) [Recherches sur les poissons fossiles; ref. [13390](#)] No locality stated. No types known. •Synonym of *Carcharodon carcharias* (Linnaeus 1758) -- (Compagno 1984:238 [ref. [6474](#)], Compagno 2001:100 [ref. [26323](#)], Dylidin 2015:45 [ref. [34524](#)]). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: brackish, marine.

verus, Carcharias Cloquet [H.] 1817:69 (v. 7) [Dictionnaire des sciences Naturelles; ref. [852](#)] The Ocean. No types known. •Synonym of *Carcharodon carcharias* (Linnaeus 1758) -- (Compagno

1984:238 [ref. [6474](#)], Compagno 2001:100 [ref. [26323](#)], Dyldin 2015:45 [ref. [34524](#)]). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: brackish, marine.

vorax, Carcharias Owen [R.] 1853:94 [Descriptive catalogue of the osteological series; ref. [4988](#)] No types known. •Synonym of *Carcharodon carcharias* (Linnaeus 1758) -- (Compagno 1984:238 [ref. [6474](#)] with question, Compagno 2001:100 [ref. [26323](#)] with question, Dyldin 2015:45 [ref. [34524](#)]). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: marine.

vulgaris, Squalus (Carcharias) Richardson [J.] 1837:288 [Part 3; ref. [3731](#)] No types known. Unexplained new name. •Synonym of *Carcharodon carcharias* (Linnaeus 1758) -- (Compagno 1984:238 [ref. [6474](#)], Compagno 2001:100 [ref. [26323](#)], Dyldin 2015:45 [ref. [34524](#)] dated 1836). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: brackish, marine.

ISURUS OXYRINCHUS

Species that contain: Isurus and oxyrinchus (including unavailable names) [**14**] records

africanus, Isurus tigris Smith [J. L. B.] 1957:96, Pl. 1 (fig. 1) [Ichthyological Bulletin, Department of Ichthyology, Rhodes University No. 6; ref. [12169](#)] Algoa Bay, Cape Province, South Africa. Holotype (unique): SAIAB [formerly RUSI] 426 (jaws). •Synonym of *Isurus oxyrinchus* Rafinesque 1810 -- (Compagno 1984:242 [ref. [6474](#)], Bass 1986:99 [ref. [5635](#)], Compagno 2001:109 [ref. [26323](#)], Castro 2011:267 [ref. [31457](#)], Dyldin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Isurus oxyrinchus* Rafinesque 1810. Lamnidae. Habitat: marine.

bideni, Isurus Phillipps [W. J.] 1932:227, Fig. 2 [The New Zealand Journal of Science and Technology v. 13 (no. 4); ref. [16393](#)] South Africa. Holotype (unique): AMS IA.4311 (jaws & photographs, still searching). •Synonym of *Isurus oxyrinchus* Rafinesque 1810 -- (Compagno 1984:242 [ref. [6474](#)], Bass 1986:99 [ref. [5635](#)], Compagno et al. 1991:74 [ref. [21083](#)], Compagno 2001:109 [ref. [26323](#)], Dyldin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Isurus oxyrinchus* Rafinesque 1810. Lamnidae. Habitat: marine.

cepedii, Squalus (Lamna) Lesson [R. P.] 1831:93 [Voyage autour du monde Zool. v. 2 (pt 1); ref. [2776](#)] Atlantic, 6°S, 27°W. Holotype (unique): whereabouts unknown. •Synonym of *Isurus oxyrinchus* Rafinesque 1810 -- (Compagno 1984:242 [ref. [6474](#)], Compagno 2001:109 [ref. [26323](#)], Castro 2011:267 [ref. [31457](#)] dated 1830, Dyldin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Isurus oxyrinchus* Rafinesque 1810. Lamnidae. Habitat: marine.

dekayi, Isuropsis Gill [T. N.] 1862:409 [Annals of the Lyceum of Natural History of New York v. 7 (art. 33); ref. [4974](#)] Based on *Lamna punctata* of DeKay 1842 (not of Storer). •Also synonym of *Lamna nasus* (Bonnaterre 1788) -- (Compagno 2001:122 [ref. [26323](#)]). •Synonym of *Isurus oxyrinchus* Rafinesque 1810 -- (Compagno 1984:242 [ref. [6474](#)], Compagno 2001:109 [ref. [26323](#)], Dyldin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Isurus oxyrinchus* Rafinesque 1810. Lamnidae. Habitat: marine.

glauca, Oxyrhina Müller [J.] & Henle [F. G. J.] 1839:69, [Pl. 29] [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Java, Indonesia [actual is Japan]. Lectotype: RMNH 2529. Paralectotypes: RMNH 2533 (1), 2587 (1) Type information: Boeseman 1947:230 [ref. [12876](#)]; see also Garrick

1967:672, 675 [18102]. Lectotype selected by Garrick 1967:672 [ref. [18102](#)]. •Valid as *Isurus glaucus* (Müller & Henle 1839) -- (Cheng & Zhou 1997:19 [ref. [26385](#)] dated 1841). •Synonym of *Isurus oxyrinchus* Rafinesque 1810 -- (Dor 1984:2 [ref. [29757](#)], Compagno 1984:242 [ref. [6474](#)], Compagno 1998:1277 [ref. [23785](#)], Sheiko & Fedorov 2000:14 [ref. [25650](#)], Compagno 2001:109 [ref. [26323](#)], Compagno 2003:437 [ref. [26984](#)], Espinosa Pérez et al. 2004:84 [ref. [27705](#)], Bonfil & Abdallah 2004:20 [ref. [27735](#)], Last et al. 2010:65 [ref. [32461](#)], Castro 2011:267 [ref. [31457](#)], Parin et al. 2014:19 [ref. [33547](#)], Dylidin 2015:46 [ref. [34524](#)], Compagno 2016:1245 [ref. [34544](#)]). **Current status:** Synonym of *Isurus oxyrinchus* Rafinesque 1810. Lamnidae. Habitat: marine.

gomphodon, Oxyrhina Müller [J.] & Henle [F. G. J.] 1839:68, [Pl. 28] [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] No locality stated. Holotype (unique): ZMB 4528. Type catalog: Paepke & Schmidt 1988:163-164 [ref. [21041](#)]. Unneeded replacement name for *Lamna oxyrhina* (Cuvier & Valenciennes in Agassiz 1835); also based on ZMB specimen. •Synonym of *Isurus oxyrinchus* Rafinesque 1810 -- (Springer 1973:14 [ref. [7162](#)], Compagno 1984:242 [ref. [6474](#)], Compagno 2001:109 [ref. [26323](#)], Dylidin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Isurus oxyrinchus* Rafinesque 1810. Lamnidae. Habitat: marine.

guentheri, Lamna Murray [J. A.] 1884:349 [Annals and Magazine of Natural History (Series 5) v. 13 (no. 77); ref. [17804](#)] Karachi, Pakistan. Holotype (unique): whereabouts unknown. Originally as *guentheri*. •Synonym of *Isurus oxyrinchus* Rafinesque 1810 -- (Compagno 1984:242 [ref. [6474](#)], Compagno 2001:109 [ref. [26323](#)], Dylidin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Isurus oxyrinchus* Rafinesque 1810. Lamnidae. Habitat: marine.

huidobrii, Lamna Philippi [R. A.] 1887:548 [16], Pl. 3 (fig. 1) [Anales de la Universidad de Chile Sec. 1, v. 71; ref. [3464](#)] Santiago Province, Chile. Holotype (unique): DBCUCH (possibly lost). On p. 16 of separate. •Synonym of *Isurus oxyrinchus* Rafinesque 1810 -- (Compagno 1984:242 [ref. [6474](#)], Compagno 2001:109 [ref. [26323](#)], Dylidin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Isurus oxyrinchus* Rafinesque 1810. Lamnidae. Habitat: marine.

latro, Lamna Owen [R.] 1853:96 [Descriptive catalogue of the osteological series; ref. [4988](#)] No types known. •Questionably a synonym of *Isurus oxyrinchus* Rafinesque 1810 -- (Compagno 1984:242 [ref. [6474](#)]). •Synonym of *Isurus oxyrinchus* Rafinesque 1810 -- (Compagno 2001:109 [ref. [26323](#)], Dylidin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Isurus oxyrinchus* Rafinesque 1810. Lamnidae. Habitat: marine.

mako, Isurus Whitley [G. P.] 1929:101 [Records of the Australian Museum v. 17 (no. 3); ref. [4665](#)] Manukau Bar, off Auckland, New Zealand. No types known. A new name for a specimen of *Isurus* originally described and figured as *Isurus glaucus* by Phillipps 1926:530, Pl. 87 [ref. [6447](#)]. •Synonym of *Isurus oxyrinchus* Rafinesque 1810 -- (Compagno 1984:242 [ref. [6474](#)], Paxton et al. 1989:67 [ref. [12442](#)], Last & Stevens 1994:164 [ref. [23873](#)], Compagno 2001:109 [ref. [26323](#)], Hoese & Gates 2006:78 [ref. [28997](#)], Dylidin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Isurus oxyrinchus* Rafinesque 1810. Lamnidae. Habitat: marine.

oxyrhina, Lamna Cuvier [G.] & Valenciennes [A.] in Agassiz 1835:71 [Recherches sur les poissons fossiles; ref. [13390](#)] Still researching, original not seen; perhaps not available. •Synonym of *Isurus oxyrinchus* Rafinesque 1810 -- (Compagno 1984:242 [ref. [6474](#)], Compagno 2001:109 [ref. [26323](#)], Dylidin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Isurus oxyrinchus* Rafinesque 1810. Lamnidae. Habitat: marine.

oxyrinchus, Isurus Rafinesque [C. S.] 1810:12, Pl. 13 (fig. 1) [Caratteri di alcuni nuovi generi e nuove specie di animali e piante della Sicilia; ref. [3594](#)] [Sicilia] Sicily, Italy, Mediterranean Sea. No types known. Also appeared in Rafinesque 1810:45 [ref. [3595](#)]. Sometimes seen as *Isurus oxyrhinchus* or *oxyrhynchus*. •Valid as *Isurus oxyrinchus* Rafinesque 1810 -- (Springer 1973:14 [ref. [7162](#)], Eschmeyer & Herald 1983:29 [ref. [9277](#)], Dor 1984:2 [ref. [29757](#)], Quéro in Whitehead et al. 1984:85 [ref. [13675](#)], Compagno 1984:242 [ref. [6474](#)], Nakaya in Masuda et al. 1984:9 [ref. [6441](#)], Menni

1986:434 [ref. [11487](#)], Bass 1986:99 [ref. [5635](#)], Robins & Ray 1986:20 [ref. [23100](#)], Allen & Swainston 1988:20 [ref. [25477](#)], Scott & Scott 1988:19 [ref. [25518](#)], Gubanov & Timoxin 1989:220 [ref. [36138](#)] as *oxyrinchus*, Paxton et al. 1989:67 [ref. [12442](#)], Pequeño 1989:13 [ref. [14125](#)], Paulin et al. 1989:21 [ref. [24556](#)], McAllister 1990:29 [ref. [14674](#)], Springer 1990:87 [ref. [19319](#)], Randall et al. 1990:17 [ref. [15987](#)], Compagno et al. 1991:74 [ref. [21083](#)], Boschung 1992:19 [ref. [23239](#)], Cervigón 1992:180 [ref. [23827](#)], Francis & Randall 1993:125 [ref. [20996](#)], Bianchi & Carpenter in Bianchi et al. 1993:74 [ref. [25472](#)], Allen & Robertson 1994:20 [ref. [22193](#)], Gomon et al. 1994:143 [ref. [22532](#)], Last & Stevens 1994:163 [ref. [23873](#)], Goren & Dor 1994:1 [ref. [25356](#)], Compagno et al. in Fischer et al. 1995:704 [ref. [22829](#)], Randall 1995:24 [ref. [22896](#)], Santos et al. 1997:10 [ref. [23531](#)], Grove & Lavenberg 1997:59 [ref. [24023](#)], Allen 1997:40 [ref. [23977](#)], Arruda 1997:16 [ref. [24952](#)], Randall et al. 1997:17 [ref. [25919](#)], Compagno 1998:1277 [ref. [23785](#)], McEachran & Fechhelm 1998:55 [ref. [23897](#)], Senou & Masuda 1998:2 [ref. [24388](#)], Chirichigno F. & Vélez D. 1998:44 [ref. [24555](#)], Sokolovskaya et al. 1998:7 [ref. [24670](#)], Aguilera 1998:45 [ref. [24221](#)], Fricke 1999:15 [ref. [24106](#)], Morón et al. 1999:145 [ref. [24253](#)], Cervigón & Alcalá 1999:38 [ref. [24490](#)], Smith-Vaniz et al. 1999:120 [ref. [25013](#)], Johnson 1999:719 [ref. [25471](#)], Compagno 1999:478 [ref. [25589](#)], Nakabo 2000:125 [ref. [25086](#)], Compagno in Randall & Lim 2000:578 [ref. [25122](#)], Laboute & Grandperrin 2000:88 [ref. [25191](#)], Sheiko & Fedorov 2000:14 [ref. [25650](#)], Hutchins 2001:13 [ref. [25847](#)], Ebert 2001:117 [ref. [26003](#)], Compagno 2001:109 [ref. [26323](#)], Soto 2001:65, 89 [ref. [26637](#)], Bilecenoğlu et al. 2002:10 [ref. [26753](#)], Branstetter in Collette & Klein-MacPhee 2002:29 [ref. [26158](#)], Mecklenburg et al. 2002:78 [ref. [25968](#)], Nakabo 2002:125 [ref. [26001](#)], Youn 2002:58, 476 [ref. [26218](#)], Compagno 2003:437 [ref. [26984](#)], Gadig & Gomes in Menezes et al. 2003:25 [ref. [27192](#)], Manilo & Bogorodsky 2003:S91 [ref. [27377](#)], Myers & Donaldson 2003:609 [ref. [27495](#)] as *oxyrinchus*, Randall et al. 2004:5 [ref. [27624](#)] dated 1809, Espinosa Pérez et al. 2004:84 [ref. [27705](#)], Bonfil & Abdallah 2004:20 [ref. [27735](#)], Nelson et al. 2004:52 [ref. [27807](#)], Heemstra & Heemstra 2004:71 [ref. [28072](#)], Mundy 2005:97 [ref. [28379](#)], Compagno et al. 2005:18 [ref. [29145](#)], Vaske et al. 2005:77 [ref. [36155](#)], Hoese & Gates 2006:78 [ref. [28997](#)], Fricke et al. 2007:12 [ref. [29533](#)], Randall 2007:40 [ref. [30952](#)], Fricke et al. 2009:8 [ref. [30213](#)], White 2008:41 [ref. [30617](#)], George 2009:34 [ref. [30539](#)], McCosker & Rosenblatt 2010:187 [ref. [30957](#)], Motomura et al. 2010:68 [ref. [31256](#)], Last et al. 2010:64 [ref. [32461](#)], Lipej & Dulčić 2010:6 [ref. [36649](#)], Castro 2011:267 [ref. [31457](#)], Fricke et al. 2011:345 [ref. [31242](#)], Mollen et al. 2012:31 [ref. [32005](#)], Yamashita et al. 2012:121 [ref. [32408](#)], Page et al. 2013:50 [ref. [32708](#)], Smith-Vaniz & Collette 2013:168 [ref. [32953](#)], Wirtz et al. 2013:115 [ref. [32972](#)], Ebert et al. 2013:312 [ref. [33045](#)], Shinohara et al. 2014:231 [ref. [33330](#)], Wirtz et al. 2014:2 [ref. [33516](#)], Parin et al. 2014:19 [ref. [33547](#)], Duffy 2015:72 [ref. [34217](#)], Duffy & Ahyong 2015:106 [ref. [36167](#)], Dylidin 2015:46 [ref. [34524](#)], Pinheiro et al. 2015:2 [ref. [34324](#)], Psomadakis et al. 2015:75 [ref. [34104](#)], Del Moral-Flores et al. 2016:77 [ref. [34398](#)], Weigmann 2016:14 [ref. [34211](#)], Bañón et al. 2016:301 [ref. [34397](#)], Compagno 2016:1245 [ref. [34544](#)], Fourrière et al. 2016:452 [ref. [34668](#)], Del Moral-Flores et al. 2016:605 [ref. [34923](#)], Nión et al. 2016:20 [ref. [35565](#)], Kells et al. 2016:66 [ref. [35888](#)], Ebert et al. 2017:54 [ref. [35618](#)], White et al. 2017:88 [ref. [35860](#)], Fricke et al. 2018:9 [ref. [35805](#)], Dylidin & Orlov 2018:163 [ref. [35920](#)], Ehemann et al. 2018:21 [ref. [36194](#)], Golani & Fricke 2018:8 [ref. [36273](#)], Kumar et al. 2018:295 [ref. [36178](#)], White & Ko'ou 2018:24 [ref. [35922](#)], Brown et al. 2019:153 [ref. [36444](#)], Ehemann et al. 2019:[3] [ref. [36861](#)], Fricke et al. 2019:38 [ref. [36673](#)], Hoschke et al. 2019:153 [ref. [36626](#)], Zajonz et al. 2019:58 [ref. [36871](#)]). **Current status:** Valid as *Isurus oxyrinchus* Rafinesque 1810. Lamnidae. Distribution: Circumglobal in tropical through temperate seas (including Caribbean Sea, North Sea, Mediterranean Sea, Red Sea). Habitat: marine.

spallanzani, *Isurus* Rafinesque [C. S.] 1810:45, 60 [Indice d'ittologia siciliana; ref. [3595](#)] [Sicilia] Sicily, Italy, Mediterranean Sea. No types known. •Synonym of *Isurus oxyrinchus* Rafinesque 1810 -- (Dor 1984:2 [ref. [29757](#)], Compagno 1984:242 [ref. [6474](#)], Compagno 2001:109 [ref. [26323](#)], Bilecenoğlu et al. 2002:10 [ref. [26753](#)] with wrong author, Lipej & Dulčić 2010:6 [ref. [36649](#)] as *Oxyrhina spallanzanii*, Castro 2011:267 [ref. [31457](#)], Dylidin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Isurus oxyrinchus* Rafinesque 1810. Lamnidae. Habitat: marine.

tigris, *Carcharias* Atwood [N. E.] 1869:268 [Proceedings of the Boston Society of Natural History v. 12 (for 1868-1869); ref. [15924](#)] Gulf of Mexico; Provincetown, Massachusetts, U.S.A. No types known. Appeared first in Atwood 1865:81 [ref. [15925](#)] without distinguishing features. •Synonym of

Isurus oxyrinchus Rafinesque 1810 -- (Compagno 1984:242 [ref. [6474](#)], Smith-Vaniz et al. 1999:121 [ref. [25013](#)], Compagno 2001:109 [ref. [26323](#)], Castro 2011:267 [ref. [31457](#)] dated 1865, Dylidin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Isurus oxyrinchus* Rafinesque 1810. Lamnidae. Habitat: marine.

ISURUS PAUCUS

Species that contain: Isurus and paucus (including unavailable names) [**3**] records

alatus, Isurus Garrick [J. A. F.] 1967:677, Figs. 7-8; Pls. 1, 3-4 [Proceedings of the United States National Museum v. 118 (no. 3537); ref. [18102](#)] Japan. Holotype: USNM 197427. Paratypes: USNM 197429 (1), 197435 (1). Additional material: USNM 196024 (jaws and skin), 196039 (jaws). Type catalog: Howe & Springer 1993:3 [ref. [21812](#)]. •Synonym of *Isurus paucus* Guitart Manday 1966 -- (Springer 1973:15 [ref. [7162](#)], Quéro in Whitehead et al. 1984:86 [ref. [13675](#)], Compagno 1984:244 [ref. [6474](#)], Springer 1990:88 [ref. [19319](#)], Compagno et al. in Fischer et al. 1995:705 [ref. [22829](#)], Compagno 1998:1278 [ref. [23785](#)], Ebert 2001:117 [ref. [26003](#)], Compagno 2001:115 [ref. [26323](#)], Compagno 2003:438 [ref. [26984](#)], Espinosa Pérez et al. 2004:84 [ref. [27705](#)], Compagno et al. 2005:18 [ref. [29145](#)], Castro 2011:274 [ref. [31457](#)], Compagno 2016:1247 [ref. [34544](#)]). **Current status:** Synonym of *Isurus paucus* Guitart Manday 1966. Lamnidae. Habitat: marine.

belyaevi, Lamiostoma Glückman [L. S.] 1964:105 [Akuly paleogena i ikh stratigraficheskoe znachenie; ref. [1824](#)] Original not seen. Apparently a fossil species referred to an extant species. See discussion of types (teeth and not figured specimen) in Compagno 1984:246 [ref. [6474](#)]. •Questionably the same as *Isurus paucus* Guitart Manday 1966 -- (Compagno 1984:244 [ref. [6474](#)], Compagno 2001:115 [ref. [26323](#)]). **Current status:** Uncertain as *Isurus paucus* Guitart Manday 1966. Lamnidae. Habitat: marine.

paucus, Isurus Guitart Manday [D. J.] 1966:3, Figs. 1, 2a, 3a,c [Poeyana, Series A, Instituto de Biología No. 15; ref. [19761](#)] Cuba, western Atlantic. No types known. Based on *Lamna punctata* of DeKay 1842:362, Pl. 63 (fig. 206) and on 3 specimens. •Valid as *Isurus paucus* Guitart Manday 1966 -- (Springer 1973:15 [ref. [7162](#)], Compagno 1984:244 [ref. [6474](#)], Quéro in Whitehead et al. 1984:86 [ref. [13675](#)], Nakaya in Masuda et al. 1984:9 [ref. [6441](#)], Bass 1986:99 [ref. [5635](#)], Robins & Ray 1986:20 [ref. [23100](#)], Gubanov & Timoxin 1989:220 [ref. [36138](#)], McAllister 1990:29 [ref. [14674](#)], Springer 1990:88 [ref. [19319](#)], Cervigón 1992:181 [ref. [23827](#)], Gomon et al. 1994:143 [ref. [22532](#)], Compagno et al. in Fischer et al. 1995:705 [ref. [22829](#)], Randall 1995:00 [ref. [22896](#)] as *paulus*, Grove & Lavenberg 1997:61 [ref. [24023](#)], Compagno 1998:1278 [ref. [23785](#)], McEachran & Fehrmann 1998:56 [ref. [23897](#)], Morón et al. 1999:145 [ref. [24253](#)], Cervigón & Alcalá 1999:42 [ref. [24490](#)], Smith-Vaniz et al. 1999:121 [ref. [25013](#)], Compagno 1999:478 [ref. [25589](#)], Nakabo 2000:125 [ref. [25086](#)], Compagno in Randall & Lim 2000:578 [ref. [25122](#)], Ebert 2001:117 [ref. [26003](#)], Compagno 2001:115 [ref. [26323](#)], Soto 2001:65, 89 [ref. [26637](#)], Nakabo 2002:125 [ref. [26001](#)], Compagno 2003:438 [ref. [26984](#)], Gadig & Gomes in Menezes et al. 2003:25 [ref. [27192](#)], Espinosa Pérez et al. 2004:84 [ref. [27705](#)], Nelson et al. 2004:52 [ref. [27807](#)], Heemstra & Heemstra 2004:71 [ref. [28072](#)], Mundy 2005:98 [ref. [28379](#)], Compagno et al. 2005:18 [ref. [29145](#)], Hoese & Gates 2006:79 [ref. [28997](#)], Randall 2007:40 [ref. [30952](#)], White 2008:41 [ref. [30617](#)], Fricke et al. 2011:345 [ref. [31242](#)], Castro 2011:274 [ref. [31457](#)], Mollen et al. 2012:32 [ref. [32005](#)], Page et al. 2013:50 [ref. [32708](#)], Wirtz et al. 2013:115 [ref. [32972](#)] as doubtful, Ebert et al. 2013:313 [ref. [33045](#)], Psomadakis et al. 2015:75 [ref. [34104](#)], Pinheiro et al. 2015:2 [ref. [34324](#)], Del Moral-Flores et al. 2016:77 [ref. [34398](#)], Weigmann 2016:14 [ref. [34211](#)] with authorship as Guitart, Compagno 2016:1247 [ref. [34544](#)], Nión et al. 2016:20 [ref. [35565](#)], White et al. 2017:90 [ref. [35860](#)], Ehemann et al. 2018:21 [ref. [36194](#)], Fricke et al. 2018:9 [ref. [35805](#)], White & Ko'ou 2018:24 [ref. [35922](#)],

Ehemann et al. 2019:[3] [ref. [36861](#)], Fernando et al. 2019:229 [ref. [36642](#)]). **Current status:** Valid as *Isurus paucus* Guitart Manday 1966. Lamnidae. Distribution: Nearly circumglobal in tropical and subtropical seas (including Caribbean Sea). Habitat: marine.

LAMNA NASUS

Species that contain: Lamna and nasus (not including unavailable names) [11] records

cambricus, Squalus Turton [W.] 1800:920 [A general system of nature v. 1; ref. [17934](#)] British coasts. No types known. Species description forwarded by J. Pollerspöck Oct. 2012. •Synonym of *Lamna nasus* (Bonnaterre 1788) -- (Dyldin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae. Habitat: marine.

cornubicus, Squalus Gmelin [J. F.] 1789:1497 [Caroli a Linné ... Systema Naturae per regna tria naturae v. 1 (pt 3); ref. [18139](#)] Cornwall, England, Northeastern Atlantic. No types known. Spelled *cornubiensis* in Pennant 1812:186 [ref. [18529](#)]. Spelled *Lamna cornutica* in Morris 1898:412 [ref. [30215](#)]. •Synonym of *Lamna nasus* (Bonnaterre 1788) -- (Springer 1973:13 [ref. [7162](#)], Quéro in Whitehead et al. 1984:87 [ref. [13675](#)], Compagno 1984:248 [ref. [6474](#)], Springer 1990:88 [ref. [19319](#)], Compagno 2001:121 [ref. [26323](#)], Hoese & Gates 2006:79 [ref. [28997](#)], Lipej & Dulčić 2010:6 [ref. [36649](#)], Castro 2011:284 [ref. [31457](#)], Parin et al. 2014:20 [ref. [33547](#)], Dyldin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae. Habitat: marine.

daekayi, Oxyrhina Gill [T. N.] 1861:60 [Proceedings of the Academy of Natural Sciences of Philadelphia v. 13 (Suppl.); ref. [1766](#)] Based on *Lamna punctata* (non Mitchill) of Storer 1846:252 [ref. [18840](#)]. •Synonym of *Lamna nasus* (Bonnaterre 1788) -- (Compagno 1984:248 [ref. [6474](#)], Compagno 2001:122 [ref. [26323](#)], Castro 2011:284 [ref. [31457](#)], Dyldin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae. Habitat: marine.

dekayi, Isuropsis Gill [T. N.] 1862:409 [Annals of the Lyceum of Natural History of New York v. 7 (art. 33); ref. [4974](#)] Based on *Lamna punctata* of DeKay 1842 (not of Storer). •Also synonym of *Lamna nasus* (Bonnaterre 1788) -- (Compagno 2001:122 [ref. [26323](#)]). •Synonym of *Isurus oxyrinchus* Rafinesque 1810 -- (Compagno 1984:242 [ref. [6474](#)], Compagno 2001:109 [ref. [26323](#)], Dyldin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Isurus oxyrinchus* Rafinesque 1810. Lamnidae. Habitat: marine.

monensis, Squalus Shaw [G.] 1804:350 [General zoology or systematic natural history; ref. [4015](#)] Beaumaris, Anglesea Island, England. No types known. Based on literature sources. •Synonym of *Lamna nasus* (Bonnaterre 1788) -- (Compagno 1984:248 [ref. [6474](#)], Compagno 2001:121 [ref. [26323](#)], Dyldin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae. Habitat: marine.

nasus, Squalus Bonnaterre [J. P.] (ex Pennant) 1788:10, Pl. 85 (fig. 350) [Tableau encyclopédique et méthodique des trois règnes de la nature... Ichthyologie; ref. [4940](#)] Cornwall, England, northeastern Atlantic. No types known. Based on the 'Porbeagle' of Pennant 1769:92 [ref. [18527](#)]. •Valid as *Lamna nasus* (Bonnaterre 1788) -- (Springer 1973:13 [ref. [7162](#)], Quéro in Whitehead et al. 1984:87 [ref. [13675](#)], Compagno 1984:248 [ref. [6474](#)], Bass 1986:100 [ref. [5635](#)], Menni 1986:434 [ref. [11487](#)], Robins & Ray 1986:20 [ref. [23100](#)], Scott & Scott 1988:20 [ref. [25518](#)], Gubanov & Timoxin 1989:220 [ref. [36138](#)], Paxton et al. 1989:68 [ref. [12442](#)], Pequeño 1989:13 [ref. [14125](#)], Paulin et al. 1989:21 [ref. [24556](#)], McAllister 1990:29 [ref. [14674](#)], Nakaya in Amaoka

et al. 1990:57 [ref. [16024](#)], Springer 1990:88 [ref. [19319](#)], Compagno 1990:82 [ref. [21678](#)], Miller 1993:467 [ref. [21297](#)], Last & Stevens 1994:165 [ref. [23873](#)], Randall 1995:24 [ref. [22896](#)], Santos et al. 1997:11 [ref. [23531](#)], Arruda 1997:16 [ref. [24952](#)], Lucifora & Menni 1998:87 [ref. [24056](#)], Smith-Vaniz et al. 1999:121 [ref. [25013](#)], Compagno 1999:478 [ref. [25589](#)], Hutchins 2001:13 [ref. [25847](#)], Compagno 2001:121 [ref. [26323](#)], Soto 2001:65, 90 [ref. [26637](#)], Bilecenoğlu et al. 2002:10 [ref. [26753](#)], Branstetter in Collette & Klein-MacPhee 2002:30 [ref. [26158](#)], Compagno 2003:439 [ref. [26984](#)], Gadig & Gomes in Menezes et al. 2003:25 [ref. [27192](#)], Nelson et al. 2004:52 [ref. [27807](#)], Duhamel et al. 2005:58 [ref. [32059](#)], Hoese & Gates 2006:79 [ref. [28997](#)], Fricke 2007:25 [ref. [30577](#)], Fricke et al. 2007:12 [ref. [29533](#)], White 2008:42 [ref. [30617](#)], George 2009:34 [ref. [30539](#)], Lipej & Dulčić 2010:6 [ref. [36649](#)], Møller et al. 2010:16 [ref. [31169](#)], Mecklenburg et al. 2011:115 [ref. [31212](#)], Castro 2011:284 [ref. [31457](#)], Mollen et al. 2012:32 [ref. [32005](#)], Naylor et al. 2012:50 [ref. [34345](#)] see remarks, Page et al. 2013:50 [ref. [32708](#)], Wirtz et al. 2013:115 [ref. [32972](#)] needs confirmation, Parin et al. 2014:20 [ref. [33547](#)], Duffy 2015:73 [ref. [34217](#)], Duffy & Ahyong 2015:106 [ref. [36167](#)], Dyldin 2015:46 [ref. [34524](#)], Compagno 2016:1249 [ref. [34544](#)], Nión et al. 2016:20 [ref. [35565](#)], Weigmann 2016:15 [ref. [34211](#)], Mecklenburg et al. 2018:22 [ref. [36370](#)]). **Current status:** Valid as *Lamna nasus* (Bonnaterre 1788). Lamnidae. Distribution: Nearly worldwide in temperate seas (including Mediterranean Sea, Baltic Sea, North Sea). Habitat: marine.

pennanti, *Squalus* Walbaum [J. J.] 1792:517 [Petri Arredi sueci genera piscium Part 3; ref. [4572](#)] Atlantic. No types known. •Synonym of *Lamna nasus* (Bonnaterre 1788) -- (Compagno 1984:248 [ref. [6474](#)], Compagno 2001:121 [ref. [26323](#)], Dyldin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae. Habitat: marine.

philippii, *Lamna* Pérez Canto [C.] 1886:1 [Anales de la Universidad de Chile Sec. 1, v. 69; ref. [18531](#)] Chile. ?MHNV (possibly lost). See also Philippi 1887:549 [17 of separate], Pl. 3 (fig. 2) [ref. [3464](#)]. •Synonym of *Lamna nasus* (Bonnaterre 1788) -- (Compagno 1984:248 [ref. [6474](#)], Compagno 2001:122 [ref. [26323](#)], Castro 2011:284 [ref. [31457](#)], Dyldin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae. Habitat: marine.

selanonus, *Squalus* Leach [W. E.] (ex Walker) 1818:64, Pl. 2 (fig. 2) [Memoirs of the Wernerian Natural History Society, Edinburgh v. 2 (art. 5); ref. [12565](#)] Lochfyne and Zetland, Scotland. Syntypes: College of Edinburgh (1, dry) Lochfyne, (1, jaws) Zetland. •Synonym of *Lamna nasus* (Bonnaterre 1788) -- (Compagno 1984:248 [ref. [6474](#)], Compagno 2001:122 [ref. [26323](#)], Dyldin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae. Habitat: marine.

walkeri, *Selanonius* Fleming [J.] (ex Walker) 1828:169 [A history of British animals; ref. [1339](#)] Argyleshire, Britain. Based on *Squalus selanoneus* of Walker 1769:155 (manuscript). •Synonym of *Lamna nasus* (Bonnaterre 1758) -- (Compagno 1984:248 [ref. [6474](#)], Compagno 2001:122 [ref. [26323](#)], Dyldin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae. Habitat: marine.

whitleyi, *Lamna* Phillipps [W. J.] 1935:239, Fig. 3 [New Zealand Journal of Zoology, J. Sci. Tech. v. 16 (no. 4); ref. [15671](#)] Island Bay, Wellington, New Zealand. Syntypes: whereabouts unknown. •Synonym of *Lamna nasus* (Bonnaterre 1788) -- (Paxton et al. 1989:68 [ref. [12442](#)], Last & Stevens 1994:166 [ref. [23873](#)], Compagno 2001:122 [ref. [26323](#)], Hoese & Gates 2006:79 [ref. [28997](#)], Castro 2011:284 [ref. [31457](#)], Dyldin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae. Habitat: marine.

MOBULIDAE

MANTA ALFREDI

Species that contain: Manta and alfredi (including unavailable names) [3] records

alfredi, *Ceratoptera* Krefft [J. L. G.] 1868:3, 9, Fig. [The Illustrated Sydney News v. 5 (11 July 1868); ref. [5074](#)] Watson's Bay, at entrance to Sydney Harbour, New South Wales, Australia. Holotype (unique): AMS I.1731 (stuffed and painted over). Original description reproduced in Whitley 1936:176 [ref. [6075](#)] and with correction of type locality. Spelling of the original genus was *Deratoptera*, regarded as a typesetting error. It should have been *Ceratoptera*, Authorship has been attributed to Krefft (by Whitley 1936:176 and unquestioned), the then curator of the Museum; no author is given with the article. •Valid as *Manta alfredi*, but may be *Manta birostris* (Walbaum 1792) -- (Paxton et al. 1989:51 [ref. [12442](#)], Compagno 1999:498 [ref. [25589](#)]). •Synonym of *Manta birostris* (Donndorff 1798 [Walbaum 1792]) -- (Last & Stevens 1994:460 [ref. [23873](#)], Allen et al. 2006:207 [ref. [29002](#)]). •See Grove & Lavenberg 1997:130 [ref. [24023](#)]. •Valid as *Manta alfredi* (Krefft 1868) -- (Marshall et al. 2009:13 [ref. [30599](#)], Kitchen-Wheeler 2010:351 [ref. [30962](#)], Fricke et al. 2011:348 [ref. [31242](#)], Wirtz et al. 2013:116 [ref. [32972](#)], Larson et al. 2013:22 [ref. [32988](#)], Ebert et al. 2013:368 [ref. [33045](#)], Delrieu-Trottin et al. 2015:4 [ref. [33988](#)], Psomadakis et al. 2015:107 [ref. [34104](#)], Weigmann 2016:145 [ref. [34211](#)]). •Valid as *Mobula alfredi* (Krefft 1868) -- (White & Last 2016:742 [ref. [35016](#)], White et al. 2017:284 [ref. [35860](#)], Ehemann et al. 2018:27 [ref. [36194](#)], Fricke et al. 2018:27 [ref. [35805](#)], Golani & Fricke 2018:18 [ref. [36273](#)], White & Ko'ou 2018:67 [ref. [35922](#)], Zajonz et al. 2019:104 [ref. [36871](#)]). **Current status:** Valid as *Mobula alfredi* (Krefft 1868). Mobulidae. Distribution: Eastern Atlantic; Red Sea, Indo-West Pacific: East Africa, South Africa, Socotra and Madagascar east to Hawaiian Islands and Tuamotu Archipelago, north to Ryukyu Islands, south to northern Australia. Habitat: marine.

fowleri, *Manta* Whitley [G. P.] 1936:182 [Australian Zoologist v. 8 (pt 3); ref. [6075](#)] Tabuaeran [= Fanning Island], Line Islands, central Pacific. Holotype (unique): whereabouts unknown. Based on illustrations and a description of *Manta birostris* by Fowler 1927:3, Pl. 1 (figs. D-G) [ref. [15785](#)]. •Synonym of *Manta alfredi* (Krefft 1868) -- (Marshall et al. 2009:13 [ref. [30599](#)]). •Synonym of *Mobula alfredi* (Krefft 1868). **Current status:** Synonym of *Mobula alfredi* (Krefft 1868). Mobulidae. Habitat: marine.

pakoka, *Manta* Whitley [G. P.] 1936:183 [Australian Zoologist v. 8 (pt 3); ref. [6075](#)] Near Hat Island (Teuaua), Ua Huka, Marquesas Islands. No types known. Based on a *Manta* with the Polynesian vernacular name *Pakoka* by Pinchot, "To the South Seas" 1930:406, 408, 421, fig. •Synonym of *Manta alfredi* (Krefft 1868) -- (Marshall et al. 2009:13 [ref. [30599](#)] as *pakota*). •Synonym of *Mobula alfredi* (Krefft 1868). **Current status:** Synonym of *Mobula alfredi* (Krefft 1868). Mobulidae. Habitat: marine.

MANTA BIROSTRIS

Species that contain: Manta and birostris (including unavailable names) [18] records

alfredi, Ceratoptera Krefft [J. L. G.] 1868:3, 9, Fig. [The Illustrated Sydney News v. 5 (11 July 1868); ref. [5074](#)] Watson's Bay, at entrance to Sydney Harbour, New South Wales, Australia. Holotype (unique): AMS I.1731(stuffed and painted over). Original description reproduced in Whitley 1936:176 [ref. [6075](#)] and with correction of type locality. Spelling of the original genus was *Deratoptera*, regarded as a typesetting error. It should have been *Ceratoptera*, Authorship has been attributed to Krefft (by Whitley 1936:176 and unquestioned), the then curator of the Museum; no author is given with the article. •Valid as *Manta alfredi*, but may be *Manta birostris* (Walbaum 1792) -- (Paxton et al. 1989:51 [ref. [12442](#)], Compagno 1999:498 [ref. [25589](#)]). •Synonym of *Manta birostris* (Donndorff 1798 [Walbaum 1792]) -- (Last & Stevens 1994:460 [ref. [23873](#)], Allen et al. 2006:207 [ref. [29002](#)]). •See Grove & Lavenberg 1997:130 [ref. [24023](#)]. •Valid as *Manta alfredi* (Krefft 1868) -- (Marshall et al. 2009:13 [ref. [30599](#)], Kitchen-Wheeler 2010:351 [ref. [30962](#)], Fricke et al. 2011:348 [ref. [31242](#)], Wirtz et al. 2013:116 [ref. [32972](#)], Larson et al. 2013:22 [ref. [32988](#)], Ebert et al. 2013:368 [ref. [33045](#)], Delrieu-Trottin et al. 2015:4 [ref. [33988](#)], Psomadakis et al. 2015:107 [ref. [34104](#)], Weigmann 2016:145 [ref. [34211](#)]). •Valid as *Mobula alfredi* (Krefft 1868) -- (White & Last 2016:742 [ref. [35016](#)], White et al. 2017:284 [ref. [35860](#)], Ehemann et al. 2018:27 [ref. [36194](#)], Fricke et al. 2018:27 [ref. [35805](#)], Golani & Fricke 2018:18 [ref. [36273](#)], White & Ko'ou 2018:67 [ref. [35922](#)], Zajonz et al. 2019:104 [ref. [36871](#)]). **Current status:** Valid as *Mobula alfredi* (Krefft 1868). Mobulidae. Distribution: Eastern Atlantic; Red Sea, Indo-West Pacific: East Africa, South Africa, Socotra and Madagascar east to Hawaiian Islands and Tuamotu Archipelago, north to Ryukyu Islands, south to northern Australia. Habitat: marine.

americana, Manta Bancroft [E. N.] 1829:454 [Zoological Journal, London v. 4 (no. 16) (art. 55); ref. [5051](#)] American Seas. Apparently an alternate name for *Cephalopterus manta* Bancroft 1829 proposed in the same paper (p. 453). •Synonym of *Manta birostris* (Walbaum 1792). •Synonym of *Mobula birostris* (Walbaum 1792). **Current status:** Synonym of *Mobula birostris* (Walbaum 1792). Mobulidae. Habitat: marine.

birostris, Raja Walbaum [J. J.] 1792:535 [Petri Artedi sueci genera piscium Part 3; ref. [4572](#)] No locality stated. No types known. Some authors (e.g., Whitley 1936:180 [ref. [6075](#)]) date to Donndorff 1798:876 because they regarded Walbaum's treatment as non-binominal, but the style of this section suggests that the second word "birostris" was not italicized through an oversight (see index) and binominal nomenclature was intended. Earlier authors, such as Jordan & Evermann 1896:92 [ref. [2443](#)] credited the name to Walbaum. See remarks under *Cephalopterus giorna* Lesueur 1824. •Valid as *Manta birostris* (Walbaum 1792) [sometimes with author as Donndorff 1790 or 1798] -- (Eschmeyer & Herald 1983:57 [ref. [9277](#)], Nakaya in Masuda et al. 1984:16 [ref. [6441](#)], Robins & Ray 1986:44 [ref. [23100](#)], Allen & Swainston 1988:28 [ref. [25477](#)], Scott & Scott 1988:59 [ref. [25518](#)], Winterbottom et al. 1989:5 [ref. [13251](#)], McEachran & Séret 1990:73 [ref. [19318](#)], Nishida 1990:92 [ref. [19783](#)], Randall et al. 1990:31 [ref. [15987](#)], Boschung 1992:28 [ref. [23239](#)], Cervigón 1992:201 [ref. [23827](#)], Allen & Robertson 1994:37 [ref. [22193](#)], Last & Stevens 1994:459 [ref. [23873](#)], Randall 1995:49 [ref. [22896](#)], Acero P. & Franke 1995:17 [ref. [22546](#)], McEachran & Notarbartolo-di-Sciara in Fischer et al. 1995:764 [ref. [22829](#)], Castro-Aguirre & Espinosa Pérez 1996:62 [ref. [22793](#)], Murdy et al. 1997:49 [ref. [23144](#)], Santos et al. 1997:16 [ref. [23531](#)], Allen 1997:48 [ref. [23977](#)], Grove & Lavenberg 1997:129 [ref. [24023](#)], Arruda 1997:24 [ref. [24952](#)], Randall et al. 1997:31 [ref. [25919](#)], McEachran & Fechtelm 1998:194 [ref. [23897](#)], Chirichigno F. & Vélez D. 1998:73 [ref. [24555](#)], Myers 1999:40 [ref. [23965](#)], Fricke 1999:33 [ref. [24106](#)], Aguilera 1998:46 [ref. [24221](#)], Cervigón & Alcalá 1999:206 [ref. [24490](#)], Compagno & Last 1999:1527 [ref. [24637](#)], Smith-Vaniz et al. 1999:124 [ref. [25013](#)], Johnson 1999:718 [ref. [25471](#)], Compagno 1999:498 [ref. [25589](#)], Menni & Stehmann 2000:94 [ref. [24909](#)], Nakabo 2000:186 [ref. [25086](#)], Compagno in Randall & Lim 2000:583 [ref. [25122](#)], Thomson et al. 2000:284 [ref. [25640](#)], Randall & Earle 2000:5 [ref. [25806](#)], Allen 2000:95

[ref. [25868](#)], Iwatsuki et al. 2000:96 [ref. [26368](#)], Schmitter-Soto et al. 2000:147 [ref. [27754](#)], Hutchins 2001:16 [ref. [25847](#)], McEachran in Collette & Klein-MacPhee 2002:80 [ref. [26158](#)], Mecklenburg et al. 2002:108 [ref. [25968](#)], Nakabo 2002:186 [ref. [26001](#)], Allen & Adrim 2003:22 [ref. [26830](#)] with author and date as Donndorf 1798, Gadig & Gomes in Menezes et al. 2003:31 [ref. [27192](#)] with author and date as Donndorff 1798, McEachran & Carvalho 2003:588 [ref. [26985](#)], Millessi & Oddone 2003:126 [ref. [27316](#)] with author and date as Donndorf 1798, Manilo & Bogorodsky 2003:S94 [ref. [27377](#)], Duffy & Abbott 2003:715 [ref. [27479](#)], Myers & Donaldson 2003:610 [ref. [27495](#)], Lobel & Lobel 2004:67 [ref. [27576](#)], Randall et al. 2004:5 [ref. [27624](#)], Bonfil & Abdallah 2004:55 [ref. [27735](#)], Nelson et al. 2004:57 [ref. [27807](#)], Heemstra & Heemstra 2004:88 [ref. [28072](#)], Randall 2005:23 [ref. [28239](#)], Mundy 2005:107 [ref. [28379](#)], Compagno et al. 2005:80 [ref. [29145](#)], Allen et al. 2006:207 [ref. [29002](#)], Randall 2007:47 [ref. [30952](#)], Béarez & Séret 2009:145 [ref. [36646](#)], Fricke et al. 2009:12 [ref. [30213](#)], Kimura 2009:16 [ref. [30426](#)], Marshall et al. 2009:4 [ref. [30599](#)], McCosker & Rosenblatt 2010:188 [ref. [30957](#)], Kitchen-Wheeler 2010:351 [ref. [30962](#)], Golani & Bogorodsky 2010:58 [ref. [35264](#)], Allen & Erdmann 2012:67 [ref. [31980](#)], Page et al. 2013:57 [ref. [32708](#)], Wirtz et al. 2013:116 [ref. [32972](#)], Ebert et al. 2013:369 [ref. [33045](#)], Smith-Vaniz & Jelks 2014:21 [ref. [33341](#)] with remarks, Wirtz et al. 2014:2 [ref. [33516](#)], Delrieu-Trottin et al. 2015:4 [ref. [33988](#)], Psomadakis et al. 2015:108 [ref. [34104](#)], Duffy 2015:202 [ref. [34217](#)], Del Moral-Flores et al. 2016:135 [ref. [34398](#)], Weigmann 2016:145 [ref. [34211](#)], Notarbartolo-di-Sciara & Séret 2016:1437 [ref. [34552](#)], Fourrière et al. 2016:440 [ref. [34668](#)], Del Moral-Flores et al. 2016:606 [ref. [34923](#)], Koeda et al. 2016:5 [ref. [35333](#)], Nión et al. 2016:24 [ref. [35565](#)] with author as Donndorff 1798, Kells et al. 2016:86 [ref. [35888](#)], Ebert et al. 2017:61 [ref. [35618](#)]). •Valid as *Mobula birostris* (Walbaum 1792) -- (White & Last 2016:743 [ref. [35016](#)], White et al. 2017:286 [ref. [35860](#)], Ehemann et al. 2018:27 [ref. [36194](#)], Fricke et al. 2018:27 [ref. [35805](#)], Golani & Fricke 2018:18 [ref. [36273](#)], Kumar et al. 2018:298 [ref. [36178](#)], Spier et al. 2018:5 [ref. [36103](#)], White & Ko'ou 2018:68 [ref. [35922](#)], Cabanillas-Torpoco et al. 2019:397 [ref. [36704](#)], Ehemann et al. 2019:[7] [ref. [36861](#)], Fricke et al. 2019:48 [ref. [36673](#)], Zajonz et al. 2019:61 [ref. [36871](#)]). **Current status:** Valid as *Mobula birostris* (Walbaum 1792). Mobulidae. Distribution: Circumglobal in tropical through warm temperate water (including Caribbean Sea, Red Sea). Habitat: marine.

ehrenbergii, Ceratoptera Müller [J.] & Henle [F. G. J.] 1841:187 [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Red Sea. Syntypes: ZMB 4708 (1), 22621 [ex Anat.-zool. Mus. 8731] (1) Type catalog: Paepke & Schmidt 1988:180 [ref. [21041](#)]. •Valid as *Manta ehrenbergii* (Müller & Henle 1841) -- (Dor 1984:21 [ref. [29757](#)], Goren & Dor 1994:6 [ref. [25356](#)]). •Synonym of *Manta birostris* (Walbaum 1792) -- (Marshall et al. 2009:4 [ref. [30599](#)], Golani & Bogorodsky 2010:58 [ref. [35264](#)]). •Synonym of *Mobula birostris* (Walbaum 1792) -- (Golani & Fricke 2018:18 [ref. [36273](#)]). **Current status:** Synonym of *Mobula birostris* (Walbaum 1792). Mobulidae. Distribution: Red Sea endemic [if valid]. Habitat: marine.

elliotti, Diabolicthys Holmes [F. S.] 1856:45 (39?) [Proceedings of the Elliott Society of Natural History v. 1; ref. [2194](#)] Charleston, South Carolina, U.S.A. No types known. •Synonym of *Manta birostris* (Walbaum 1792). •Synonym of *Mobula birostris* (Walbaum 1792). **Current status:** Synonym of *Mobula birostris* (Walbaum 1792). Mobulidae. Habitat: marine.

fimbriata, Raja Lacepède [B. G. E.] 1802:671, 677, Pl. 16 (fig. 3) [Histoire naturelle des poissons (Lacepède) v. 4; ref. [4929](#)] North Atlantic. No types known. Type catalog: Séret & McEachran 1987:34 [ref. [9312](#)]. Also appeared in Sonnini 1802:76, 299 [ref. [30461](#)] with author as Lacepède. •Synonym of *Manta birostris* (Walbaum 1792). •Synonym of *Mobula birostris* (Walbaum 1792). **Current status:** Synonym of *Mobula birostris* (Walbaum 1792). Mobulidae. Habitat: marine.

fowleri, Manta Whitley [G. P.] 1936:182 [Australian Zoologist v. 8 (pt 3); ref. [6075](#)] Tabuaeran [= Fanning Island], Line Islands, central Pacific. Holotype (unique): whereabouts unknown. Based on illustrations and a description of *Manta birostris* by Fowler 1927:3, Pl. 1 (figs. D-G) [ref. [15785](#)]. •Synonym of *Manta alfredi* (Krefft 1868) -- (Marshall et al. 2009:13 [ref. [30599](#)]). •Synonym of *Mobula alfredi* (Krefft 1868). **Current status:** Synonym of *Mobula alfredi* (Krefft 1868). Mobulidae. Habitat: marine.

giorna, Cephalopterus Lesueur [C. A.] 1824:115 [Journal of the Academy of Natural Sciences, Philadelphia v. 4 (pt 1); ref. [17520](#)] Off entrance of Delaware River, Pennsylvania, U.S.A.; Charleston, South Carolina, U.S.A.; Savannah, Georgia, U.S.A. No types known. Not *Raja godina* Lacepède 1803. Based on a specimen collected off Delaware River mouth, on the "Devil-fish, *Diabolus marinus*" of Catesby 1771:xxxii [ref. [774](#)], and on a specimen from Savannah, Georgia described in the Philadelphia Gazette of 6 Aug. 1824. Marshall et al. 2009:13 [ref. [30599](#)] tentatively recognize a valid species distinct from (but occurring with) *birostris*; it occurs in the Atlantic. A neotype selection would be needed to fix the name of this species as *giorna* Lesueur 1824 if the species is shown to be distinct from *birostris*. •Synonym of *Manta birostris* (Walbaum 1792) -- (authors). •Treated as a synonym of *Manta* sp. cf. *birostris* (Walbaum 1792) -- (Marshall et al. 2009:22 [ref. [30599](#)], also Smith-Vaniz & Jelks 2014:21 [ref. [33341](#)]). •Synonym of *Mobula birostris* (Walbaum 1792). **Current status:** Synonym of *Mobula birostris* (Walbaum 1792). Mobulidae. Distribution: Atlantic, including the Caribbean (if valid). Habitat: marine.

hamiltoni, Brachioptilon Hamilton [F.] & Newman [E.] in Newman 1849:2358 [The Zoologist: a Popular Miscellany of Natural History v. 7 (for 1849); ref. [3169](#)] Gulf of California, Mexico. No types known. Description based on account by Hamilton, Newman provided name; therefore we treat authorship as Hamilton & Newman. •May be a synonym of *Manta birostris* (Walbaum 1792) -- (Compagno 1999:498 [ref. [25589](#)]). •See Chirichigno F. & Vélez D. 1998:73 [ref. [24555](#)]. •Synonym of *Manta birostris* (Walbaum 1792) -- (Mecklenburg et al. 2002:108 [ref. [25968](#)], Marshall et al. 2009:4 [ref. [30599](#)], Del Moral-Flores et al. 2016:135 [ref. [34398](#)] with author as Newman). •Synonym of *Mobula birostris* (Walbaum 1792). **Current status:** Synonym of *Mobula birostris* (Walbaum 1792). Mobulidae. Habitat: marine.

johnii, Ceratoptera Müller [J.] & Henle [F. G. J.] 1841:186, [Pl. 59 (right)] [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Jamaica. Holotype (unique): RUSM uncat. (whereabouts unknown). •Synonym of *Manta birostris* (Walbaum 1792). •Synonym of *Mobula birostris* (Walbaum 1792). **Current status:** Synonym of *Mobula birostris* (Walbaum 1792). Mobulidae. Habitat: marine.

lacepedei, Cephaloptera Billberg [G. J.] 1833:51 [Linnéska Samfundets Handlingar v. 1 (for 1832); ref. [34146](#)] No locality stated. No types known. Genus erroneously abbreviated as "M."; should be C. = *Cephaloptera*. Based on the "La raie manatia" of Lacepède 1798:160 [ref. [2708](#)]; see Kullander 2016:112 [ref. [34147](#)]. •Synonym of *Raja manatia* Schneider 1801 and *Manta birostris* (Walbaum, 1792) -- (Kullander 2016:112 [ref. [34147](#)]). •Synonym of *Mobula birostris* (Walbaum 1792). **Current status:** Synonym of *Mobula birostris* (Walbaum 1792). Mobulidae. Habitat: marine.

manatia, Raja Bloch [M. E.] & Schneider [J. G.] (ex Lacepède) 1801:364 [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] Tropical America. No types known. •Synonym of *Manta birostris* (Walbaum 1792). •Synonym of *Mobula birostris* (Walbaum 1792). **Current status:** Synonym of *Mobula birostris* (Walbaum 1792). Mobulidae. Habitat: marine.

manta, Cephalopterus Bancroft [E. N.] 1829:453 [Zoological Journal, London v. 4 (no. 16) (art. 55); ref. [5051](#)] Kingston, Jamaica. No types known. •Synonym of *Manta birostris* (Walbaum 1792) -- (Allen et al. 2006:207 [ref. [29002](#)]). •Synonym of *Mobula birostris* (Walbaum 1792). **Current status:** Synonym of *Mobula birostris* (Walbaum 1792). Mobulidae. Habitat: marine.

marinus, Raja diabolus Bloch [M. E.] & Schneider [J. G.] 1801:368 [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] India. No types known. Not the same as *Raja diabolus* Shaw 1904. •Synonym of *Manta birostris* (Walbaum 1792). •Synonym of *Mobula birostris* (Walbaum 1792). **Current status:** Synonym of *Mobula birostris* (Walbaum 1792). Mobulidae. Habitat: marine.

pinchoti, Manta Whitley [G. P.] 1936:182 [Australian Zoologist v. 8 (pt 3); ref. [6075](#)] Near Hat Island, Ua Huka, Marquesas Islands. Holotype: USNM 89721 (parts). Paratypes: USNM 89722 (parts), 143796 (pieces), 143797 (1). Based on descriptions of *Manta birostris* by Fowler 1932:2 [ref. [1412](#)]. Mobulidae. Habitat: marine.

raya, *Manta* Baer [G. A.] 1899:112 [Bulletin du Muséum National d'Histoire Naturelle (Série 1) v. 5 (no. 3); ref. [15635](#)] Zorritos, about 40 kilometers south of Tombez, 4 kilometers from Grau, Peru. No types known. •Probably a synonym of *Manta birostris* (Walbaum 1792). •Synonym of *Mobula birostris* (Walbaum 1792). **Current status:** Uncertain as *Mobula birostris* (Walbaum 1792). Mobulidae. Habitat: marine.

stelligera*, *Cephaloptera Günther [A.] (ex Ehrenberg) 1870:498 [Catalogue of the fishes in the British Museum v. 8; ref. [1995](#)] Red Sea. Syntypes: ZMB 4701 (1), 22621 [ex 8731] (1). Type catalog: Paepke & Schmidt 1988:179 [ref. [21041](#)] with ZMB 47801 and 22621 as syntypes. In footnote as name on unpublished plate under *Ceratoptera ehrengergii*; later appeared in Hemprich & Ehrenberg 1899:7, Pl. 2 (figs. 1-9) and second pl. 10 [ref. [4977](#)] but treated in synonymy by editor Hilgendorf so not available. •In the synonymy of *Manta ehrenbergii* (Müller & Henle 1841) -- (Dor 1984:21 [ref. [29757](#)]). •In the synonymy of *Manta birostris* (Walbaum 1792). •In the synonymy of *Mobula birostris* (Walbaum 1792). **Current status:** Synonym of *Mobula birostris* (Walbaum 1792). Mobulidae.

vampyrus*, *Cephalopterus Mitchill [S. L.] 1824:23, Pl. 2 (fig. 1) [Annals of the Lyceum of Natural History of New York v. 1; ref. [17777](#)] Near entrance to Delaware Bay, U.S.A. No types known. •Synonym of *Manta birostris* (Walbaum 1792). •Synonym of *Mobula birostris* (Walbaum 1792). **Current status:** Synonym of *Mobula birostris* (Walbaum 1792). Mobulidae. Habitat: marine.

MOBULA EREGOODOOTENKEE

Species that contain: Mobula and eregoodootenkee (including unavailable names) [3] records

eregoodoo, *Dicerobatis* Cantor [T. E.] 1849:1420 [438] [Journal of the Asiatic Society of Bengal v. 18 (pt 2); ref. [715](#)] Penang, Malaysia; Coromandel, India. Syntypes: whereabouts unknown. On p. 438 of separate. Based on Russell illustration, on *Cephaloptera eregoodo-tenkee* Cuvier, and on 1 specimen. •Synonym of *Mobula eregoodootenkee* (Bleeker 1859). •Synonym of *Mobula kuhlii* (Valenciennes 1841). **Current status:** Synonym of *Mobula kuhlii* (Valenciennes 1841). Mobulidae. Habitat: marine.

eregoodootenkee, *Cephaloptera* Bleeker [P.] 1859:214 [Acta Societatis Regiae Scientiarum Indo-Neêrlandicae v. 6 (art. 3); ref. [371](#)] Gulf of Thailand off Cambodia, about 1 mile east of Goh Choaw, 11°03'-11°05'N, 103°03'30"-103°05'E. Neotype: CAS 56095. Appeared first in a footnote in Cuvier 1829:402 [ref. [995](#)] without a genus as, "Eregoodoo-tenkee, Russ. I, 9" but based on style elsewhere in work, this treatment is in the vernacular and probably not available. A neotype was designated by Notarbartolo-di-Sciara 1987:30 [ref. [9133](#)] for Cuvier 1829, and the species treated as valid by him; but that neotype designation probably does not apply for Bleeker 1859. Species apparently dates to Bleeker 1859:214 [ref. [371](#)] as above with reference to Cuvier and to Russell -- also see Compagno 1999:498 who treats Garman 1913 as establishing the valid binomial. •In the synonymy of *Mobula diabolus* (Shaw 1804) -- (Dor 1984:21 [ref. [29757](#)] which Notarbartolo-di-Sciara 1987:34 [ref. [9133](#)] indicates is another species). •Valid as *Raja eregoodootenkee* (Bleeker 1859), but questionably the same as *Raja diabolus* (Shaw 1804) -- (Heemstra in Smith & Heemstra 1995:vi [ref. [21953](#)] with author as Cuvier 1829, Compagno 1999:498 [ref. [25589](#)]). •Valid as *Mobula eregoodootenkee* (Bleeker 1859) -- (Last & Stevens 1994:460 [ref. [23873](#)] with author as Cuvier 1829, Compagno & Last 1999:1527 [ref. [24637](#)], Johnson 1999:718 [ref. [25471](#)], Compagno in Randall & Lim 2000:583 [ref. [25122](#)], Hutchins 2001:16 [ref. [25847](#)], Manilo & Bogorodsky 2003:S94 [ref. [27377](#)] as *eregoodootenke* and with author as Cuvier 1829, Bonfil & Abdallah 2004:56 [ref. [27735](#)], Compagno et al. 2005:81 [ref. [29145](#)], Allen et al. 2006:207 [ref. [29002](#)], Allen & Erdmann 2012:67 [ref. [31980](#)], Larson et al. 2013:22 [ref. [32988](#)], Fricke et al. 2014:15 [ref. [33932](#)], Psomadakis et al. 2015:108 [ref. [34104](#)], Weigmann 2016:145 [ref. [34211](#)]). •Synonym of *Mobula kuhlii* (Valenciennes 1841) -- (White & Last 2016:745 [ref. [35016](#)]). **Current status:** Synonym of *Mobula kuhlii* (Valenciennes 1841). Mobulidae. Distribution: Indo-West Pacific: Red Sea and East Africa to Papua New Guinea and Australia to Philippines [if valid]. Habitat: marine.

kuhlii, *Cephaloptera* Valenciennes [A.] in Müller & Henle 1841:185, [Pl. 59 (left)] [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] India. Lectotype: MNHN 0000-1596. Possible paralectotypes: BMNH 2008.12.1.1 [ex ZSL] (1, stuffed and mounted). Type catalog: Bertin 1939:92 [ref. [20739](#)], Séret & McEachran 1987:26 [ref. [9312](#)]. Lectotype listed in Séret & McEachran 1987:26 [ref. [9312](#)] on verbal information from Notarbartolo-di-Sciara; it is uncertain if this established the lectotype -- see Compagno et al. 2005:81 [ref. [29145](#)]. Subsequent workers perhaps established the lectotype. Authorship changed to Valenciennes 1841 -- Jones et al. 2015:570 [ref. [34086](#)]. •Synonym of *Mobula diabolus* (Shaw 1804) -- (Dor 1984:22 [ref. [29757](#)]). •Valid as *Mobula kuhlii* (Valenciennes 1841) -- (Notarbartolo-di-Sciara 1987:47 [ref. [9133](#)], Randall 1995:51 [ref. [22896](#)], Compagno & Last 1999:1528 [ref. [24637](#)], Compagno 1999:498 [ref. [25589](#)], Compagno in Randall & Lim 2000:583 [ref. [25122](#)], Manilo & Bogorodsky 2003:S94 [ref. [27377](#)], Compagno et al. 2005:81 [ref. [29145](#)] with author as Valenciennes, Last et al. 2010:262 [ref. [32461](#)], Psomadakis et al. 2015:109 [ref. [34104](#)], Weigmann 2016:145 [ref. [34211](#)] needs further examination, may be *Mobula eregoodootenkee*, White & Last 2016:745 [ref. [35016](#)] with authorship as Müller & Henle, White et al. 2017:288 [ref. [35860](#)], Fricke et al. 2018:28 [ref. [35805](#)], Golani & Fricke 2018:18 [ref. [36273](#)], Kumar et al. 2018:298 [ref. [36178](#)], White & Ko'ou 2018:68 [ref. [35922](#)], Fricke et al. 2019:48 [ref. [36673](#)]). **Current status:** Valid as *Mobula kuhlii* (Valenciennes 1841). Mobulidae. Distribution: Red Sea, Indo-

West Pacific: East and South Africa, Persian Gulf and Madagascar east to Philippines and New Ireland (Papua New Guinea), south to northern Australia. Habitat: marine.

MOBULA HYPOSTOMA

Species that contain: Mobula and hypostoma (including unavailable names) [5] records

hypostomus*, *Cephalopterus Bancroft [E. N.] 1831:134 [Proceedings of the Committee of Science and Correspondence of the Zoological Society of London 1830-31 (pt 1); ref. [15966](#)] Kingston, Jamaica. Holotype (unique): not preserved. Also appeared in Bancroft 1835:411 [ref. [15971](#)], Suppl. Pl. 50. McEachran & Carvalho 2003:588 [ref. [26985](#)] indicate that e. Atlantic specimens are *M. rochebrunei*. •Valid as *Mobula hypostoma* (Bancroft 1831) -- (Robins & Ray 1986:45 [ref. [23100](#)], Notarbartolo-di-Sciara 1987:25 [ref. [9133](#)], Boschung 1992:28 [ref. [23239](#)], Cervigón 1992:202 [ref. [23827](#)], Castro-Aguirre & Espinosa Pérez 1996:61 [ref. [22793](#)], McEachran & Fechhelm 1998:195 [ref. [23897](#)], Cervigón & Alcalá 1999:204 [ref. [24490](#)], Compagno 1999:498 [ref. [25589](#)], Díaz de Astarloa et al. 2000:401 [ref. [24427](#)], Menni & Stehmann 2000:94 [ref. [24909](#)], Schmitter-Soto et al. 2000:147 [ref. [27754](#)], Camargo & Isaac 2001:144 [ref. [27639](#)] as *hipostoma* Robins & Ray 1986, McEachran & Carvalho 2003:588 [ref. [26985](#)], Gadig et al. 2003:869 [ref. [27134](#)], Gadig & Gomes in Menezes et al. 2003:31 [ref. [27192](#)], Nelson et al. 2004:57 [ref. [27807](#)], Page et al. 2013:57 [ref. [32708](#)], Del Moral-Flores et al. 2016:136 [ref. [34398](#)], Weigmann 2016:145 [ref. [34211](#)], White & Last 2016:744 [ref. [35016](#)], Nión et al. 2016:24 [ref. [35565](#)], Ehemann et al. 2018:27 [ref. [36194](#)], Spier et al. 2018:5 [ref. [36103](#)], Ehemann et al. 2019:[7] [ref. [36861](#)]). **Current status:** Valid as *Mobula hypostoma* (Bancroft 1831). Mobulidae. Distribution: Western Atlantic: North Carolina (U.S.A.) south to Argentina, including Caribbean Sea; eastern Atlantic: Mauritania south to Angola. Habitat: marine.

massenoidea*, *Cephaloptera Hill [R.] 1862:176 [The Intellectual observer. London v. 2; ref. [21782](#)] Jamaica. No types known. •Synonym of *Mobula hypostoma* (Bancroft 1831) -- (Notarbartolo-di-Sciara 1987:25 [ref. [9133](#)]). **Current status:** Synonym of *Mobula hypostoma* (Bancroft 1831). Mobulidae. Habitat: marine.

olfersii*, *Cephaloptera Müller [J.] 1836:311 [Abhandlungen der Königlichen Akademie der Wissenschaften zu Berlin 1834; ref. [3060](#)] Brazil. Syntypes: MNHN 0000-9966 (1, dry); ?ZMB 31636 [ex ZMB 8923] (1), ?31637 (1). Type catalog: Séret & McEachran 1987:26 [ref. [9312](#)], Paepke & Schmidt 1988:179 [ref. [21041](#)]. •Synonym of *Mobula hypostoma* (Bancroft 1831) -- (Notarbartolo-di-Sciara 1987:25 [ref. [9133](#)]). **Current status:** Synonym of *Mobula hypostoma* (Bancroft 1831). Mobulidae. Habitat: marine.

robertsii*, *Ceratobatis Boulenger [G. A.] 1897:227 [Annals and Magazine of Natural History (Series 6) v. 20 (no. 116); ref. [540](#)] Jamaica. Holotype (unique): BMNH 1897.7.1.40. •Valid as *Ceratobatis robertsii* Boulenger 1897 -- (Cervigón 1992:202 [ref. [23827](#)] as *robertsi*). •Synonym of *Mobula hypostoma* (Bancroft 1831) -- (Notarbartolo-di-Sciara 1987:25 [ref. [9133](#)], Castro-Aguirre & Espinosa Pérez 1996:61 [ref. [22793](#)]). **Current status:** Synonym of *Mobula hypostoma* (Bancroft 1831). Mobulidae. Habitat: marine.

rochebrunei*, *Cephaloptera Vaillant [L. L.] 1879:187 [Bulletin de la Société philomathique de Paris (7th Série) v. 3; ref. [17850](#)] Senegal, western Africa. Holotype (unique): MNHN A-9967 (dry). Type catalog: Bertin 1939:92 [ref. [20739](#)], Séret & McEachran 1987:26 [ref. [9312](#)]. •Synonym of *Mobula mobular* (Bonnaterre 1788) -- (Krefft & Stehmann 1973:77 [ref. [7167](#)]). •Valid as *Mobula rochebrunei* (Vaillant 1879) -- (Notarbartolo-di-Sciara 1987:22 [ref. [9133](#)], McEachran & Seret 1990:75 [ref.

[19318](#)], Compagno 1999:498 [ref. [25589](#)], Menni & Stehmann 2000:94 [ref. [24909](#)] as *rochebrunnei*, Gadig & Gomes in Menezes et al. 2003:31 [ref. [27192](#)], McEachran & Carvalho 2003:588 [ref. [26985](#)], Gadig et al. 2003:869 [ref. [27134](#)], Weigmann 2016:146 [ref. [34211](#)], Notarbartolo-di-Sciara & Séret 2016:1438 [ref. [34552](#)]). •Synonym of *Mobula hypostoma* (Bancroft 1831) -- (White & Last 2016:744 [ref. [35016](#)]). **Current status:** Synonym of *Mobula hypostoma* (Bancroft 1831). Mobulidae. Distribution: Eastern Atlantic [if valid]. Habitat: marine.

MOBULA JAPONICA

Species that contain: Mobula and japonica (including unavailable names) [1] records

japonica, *Cephaloptera* Müller [J.] & Henle [F. G. J.] 1841:185 [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Japan [Nagasaki, Japan]. Lectotype: RMNH D2440 (dry, young). Paralecotypes: RMNH (1, lost). Type information: Boeseman 1947:228 [ref. [12876](#)] as *japonica*. Lectotype selected by Boeseman 1947:228 [ref. [12876](#)]. The original spelling was *japonica* and that spelling should be maintained. •Valid as *Mobula japonica* (Müller & Henle 1841) -- (Eschmeyer & Herald 1983:58 [ref. [9277](#)], Nakaya in Masuda et al. 1984:16 [ref. [6441](#)], Notarbartolo-di-Sciara 1987:53 [ref. [9133](#)], Paulin et al. 1989:30 [ref. [24556](#)] as *japonica*, Nishida 1990:92 [ref. [19783](#)], Last & Stevens 1994:461 [ref. [23873](#)], Heemstra in Smith & Heemstra 1995:vi [ref. [21953](#)], McEachran & Notarbartolo-di-Sciara in Fischer et al. 1995:761 [ref. [22829](#)], Castro-Aguirre & Espinosa Pérez 1996:60 [ref. [22793](#)], Chen et al. 1997:11 [ref. [26476](#)], Grove & Lavenberg 1997:131 [ref. [24023](#)], Morón et al. 1999:150 [ref. [24253](#)], Compagno & Last 1999:1528 [ref. [24637](#)], Compagno 1999:498 [ref. [25589](#)], Nakabo 2000:186 [ref. [25086](#)], Youn 2002:73, 486 [ref. [26218](#)], Gadig & Gomes in Menezes et al. 2003:31 [ref. [27192](#)], Gadig et al. 2003:869 [ref. [27134](#)], Manilo & Bogorodsky 2003:S94 [ref. [27377](#)], Duffy & Abbott 2003:715 [ref. [27479](#)], Bonfil & Abdallah 2004:56 [ref. [27735](#)], Nelson et al. 2004:57 [ref. [27807](#)], Mundy 2005:107 [ref. [28379](#)], Vaske et al. 2005:77 [ref. [36155](#)], Allen et al. 2006:208 [ref. [29002](#)], Randall 2007:48 [ref. [30952](#)], McCosker & Rosenblatt 2010:188 [ref. [30957](#)], Last et al. 2010:260 [ref. [32461](#)], Page et al. 2013:57 [ref. [32708](#)], Ebert et al. 2013:369 [ref. [33045](#)] as *japonica*, Psomadakis et al. 2015:108 [ref. [34104](#)], Duffy 2015:203 [ref. [34217](#)], Pinheiro et al. 2015:4 [ref. [34324](#)], Dyldin 2015:76 [ref. [34524](#)], Del Moral-Flores et al. 2016:137 [ref. [34398](#)], Weigmann 2016:146 [ref. [34211](#)], Notarbartolo-di-Sciara & Séret 2016:1437 [ref. [34552](#)], Fourrière et al. 2016:453 [ref. [34668](#)], Del Moral-Flores et al. 2016:606 [ref. [34923](#)], Nión et al. 2016:24 [ref. [35565](#)], Kells et al. 2016:86 [ref. [35888](#)], Ebert et al. 2017:61 [ref. [35618](#)] as *japonica*). •Synonym of *Mobula mobular* (Bonnaterre 1788) -- (White & Last 2016:746 [ref. [35016](#)]). **Current status:** Synonym of *Mobula mobular* (Bonnaterre 1788). Mobulidae. Distribution: Circumglobal in warm seas [if valid]. Habitat: marine.

MOBULA KUHLII

Species that contain: *Mobula* and *kuhlII* (including unavailable names) [4] records

draco, Dicerobatis Günther [A.] 1872:422 [Annals and Magazine of Natural History (Series 4) v. 10 (no. 60) (art., 60); ref. [18195](#)] Misool [Misol] Island, Irian Jaya, Indonesia. Syntypes: BMNH 1870.8.31.68-69 (2). •Synonym of *Mobula kuhlII* (Valenciennes 1841) -- (Notarbartolo-di-Sciara 1987:47 [ref. [9133](#)], Last et al. 2010:262 [ref. [32461](#)]). **Current status:** Synonym of *Mobula kuhlII* (Valenciennes 1841). Mobulidae. Habitat: marine.

eregoodoo, Dicerobatis Cantor [T. E.] 1849:1420 [438] [Journal of the Asiatic Society of Bengal v. 18 (pt 2); ref. [715](#)] Penang, Malaysia; Coromandel, India. Syntypes: whereabouts unknown. On p. 438 of separate. Based on Russell illustration, on *Cephaloptera eregoodoo-tenkee* Cuvier, and on 1 specimen. •Synonym of *Mobula eregoodootenkee* (Bleeker 1859). •Synonym of *Mobula kuhlII* (Valenciennes 1841). **Current status:** Synonym of *Mobula kuhlII* (Valenciennes 1841). Mobulidae. Habitat: marine.

eregoodootenkee, Cephaloptera Bleeker [P.] 1859:214 [Acta Societatis Regiae Scientiarum Indo-Neerlandicae v. 6 (art. 3); ref. [371](#)] Gulf of Thailand off Cambodia, about 1 mile east of Goh Choaw, 11°03'-11°05'N, 103°03'30"-103°05'E. Neotype: CAS 56095. Appeared first in a footnote in Cuvier 1829:402 [ref. [995](#)] without a genus as, "Eregoodoo-tenkee, Russ. I, 9" but based on style elsewhere in work, this treatment is in the vernacular and probably not available. A neotype was designated by Notarbartolo-di-Sciara 1987:30 [ref. [9133](#)] for Cuvier 1829, and the species treated as valid by him; but that neotype designation probably does not apply for Bleeker 1859. Species apparently dates to Bleeker 1859:214 [ref. [371](#)] as above with reference to Cuvier and to Russell -- also see Compagno 1999:498 who treats Garman 1913 as establishing the valid binomial. •In the synonymy of *Mobula diabolus* (Shaw 1804) -- (Dor 1984:21 [ref. [29757](#)] which Notarbartolo-di-Sciara 1987:34 [ref. [9133](#)] indicates is another species). •Valid as *Raja eregoodootenkee* (Bleeker 1859), but questionably the same as *Raja diabolus* (Shaw 1804) -- (Heemstra in Smith & Heemstra 1995:vi [ref. [21953](#)] with author as Cuvier 1829, Compagno 1999:498 [ref. [25589](#)]). •Valid as *Mobula eregoodootenkee* (Bleeker 1859) -- (Last & Stevens 1994:460 [ref. [23873](#)] with author as Cuvier 1829, Compagno & Last 1999:1527 [ref. [24637](#)], Johnson 1999:718 [ref. [25471](#)], Compagno in Randall & Lim 2000:583 [ref. [25122](#)], Hutchins 2001:16 [ref. [25847](#)], Manilo & Bogorodsky 2003:S94 [ref. [27377](#)] as *eregoodootenke* and with author as Cuvier 1829, Bonfil & Abdallah 2004:56 [ref. [27735](#)], Compagno et al. 2005:81 [ref. [29145](#)], Allen et al. 2006:207 [ref. [29002](#)], Allen & Erdmann 2012:67 [ref. [31980](#)], Larson et al. 2013:22 [ref. [32988](#)], Fricke et al. 2014:15 [ref. [33932](#)], Psomadakis et al. 2015:108 [ref. [34104](#)], Weigmann 2016:145 [ref. [34211](#)]). •Synonym of *Mobula kuhlII* (Valenciennes 1841) -- (White & Last 2016:745 [ref. [35016](#)]). **Current status:** Synonym of *Mobula kuhlII* (Valenciennes 1841). Mobulidae. Distribution: Indo-West Pacific: Red Sea and East Africa to Papua New Guinea and Australia to Philippines [if valid]. Habitat: marine.

kuhlII, Cephaloptera Valenciennes [A.] in Müller & Henle 1841:185, [Pl. 59 (left)] [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] India. Lectotype: MNHN 0000-1596. Possible paralectotypes: BMNH 2008.12.1.1 [ex ZSL] (1, stuffed and mounted). Type catalog: Bertin 1939:92 [ref. [20739](#)], Séret & McEachran 1987:26 [ref. [9312](#)]. Lectotype listed in Séret & McEachran 1987:26 [ref. [9312](#)] on verbal information from Notarbartolo-di-Sciara; it is uncertain if this established the lectotype -- see Compagno et al. 2005:81 [ref. [29145](#)]. Subsequent workers perhaps established the lectotype. Authorship changed to Valenciennes 1841 -- Jones et al. 2015:570 [ref. [34086](#)]. •Synonym of *Mobula diabolus* (Shaw 1804) -- (Dor 1984:22 [ref. [29757](#)]). •Valid as *Mobula kuhlII* (Valenciennes 1841) -- (Notarbartolo-di-Sciara 1987:47 [ref. [9133](#)], Randall 1995:51 [ref. [22896](#)], Compagno & Last 1999:1528 [ref. [24637](#)], Compagno 1999:498 [ref. [25589](#)], Compagno in Randall & Lim 2000:583 [ref. [25122](#)], Manilo & Bogorodsky 2003:S94 [ref. [27377](#)], Compagno et al. 2005:81 [ref. [29145](#)] with

author as Valenciennes, Last et al. 2010:262 [ref. [32461](#)], Psomadakis et al. 2015:109 [ref. [34104](#)], Weigmann 2016:145 [ref. [34211](#)] needs further examination, may be *Mobula eregoodootenkee*, White & Last 2016:745 [ref. [35016](#)] with authorship as Müller & Henle, White et al. 2017:288 [ref. [35860](#)], Fricke et al. 2018:28 [ref. [35805](#)], Golani & Fricke 2018:18 [ref. [36273](#)], Kumar et al. 2018:298 [ref. [36178](#)], White & Ko'ou 2018:68 [ref. [35922](#)], Fricke et al. 2019:48 [ref. [36673](#)]). **Current status:** Valid as *Mobula kuhlii* (Valenciennes 1841). Mobulidae. Distribution: Red Sea, Indo-West Pacific: East and South Africa, Persian Gulf and Madagascar east to Philippines and New Ireland (Papua New Guinea), south to northern Australia. Habitat: marine.

MOBULA MOBULAR

Species that contain: Mobula and mobular (including unavailable names) [21] records

auriculata, Mobula Rafinesque [C. S.] 1810:48, 61 [Indice d'ittologia siciliana; ref. [3595](#)] Based on *Raja mobula* of Lacepède. •Synonym of *Mobula mobular* (Bonnaterre 1788) -- (Krefft & Stehmann 1973:77 [ref. [7167](#)] as *fabronia*, Notarbartolo-di-Sciara 1987:64 [ref. [9133](#)]). **Current status:** Synonym of *Mobula mobular* (Bonnaterre 1788). Mobulidae. Habitat: marine.

aurita, Raia Suckow [G. A.] 1799:78 [Naturgeschichte der Thiere v. 4, pt. 1; ref. [18858](#)] •Possibly in the synonymy of *Mobula mobular* (Bonnaterre 1788). **Current status:** Uncertain as *Mobula mobular* (Bonnaterre 1788). Mobulidae. Habitat: marine.

cephaloptera, Raja Bloch [M. E.] & Schneider [J. G.] 1801:365 [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] No locality. Holotype (unique): ZMB 13407 (partial specimen, forepart of skull). Type catalog: Paepke & Schmidt 1988:180 [ref. [21041](#)], Paepke 1999:104 [ref. [24282](#)]. •Synonym of *Mobula mobular* (Bonnaterre 1788) -- (Krefft & Stehmann 1973:77 [ref. [7167](#)] as *fabronia*, Notarbartolo-di-Sciara 1987:64 [ref. [9133](#)]). **Current status:** Synonym of *Mobula mobular* (Bonnaterre 1788). Mobulidae. Habitat: marine.

cornu, Aodon Lacepède [B. G. E.] 1798:297, 300 [Histoire naturelle des poissons (Lacepède) v. 1; ref. [2708](#)] Unneeded new name for *Squalus edentulus* Brunnich 1768. •Synonym of *Mobula mobular* (Bonnaterre 1788). **Current status:** Synonym of *Mobula mobular* (Bonnaterre 1788). Mobulidae. Habitat: marine.

cornutus, Anodon Billberg [G. J.] 1833:52 [Linnéska Samfundets Handlingar v. 1 (for 1832); ref. [34146](#)] Marseille, France, western Mediterranean Sea. No types known. Unnecessary replacement name for *Squalus edentulus* Brunnich 1768; see Kullander 2016:113 [ref. [34147](#)]. •Synonym of *Mobula mobular* (Bonnaterre 1788) -- (Kullander 2016:113 [ref. [34147](#)]). **Current status:** Synonym of *Mobula mobular* (Bonnaterre 1788). Mobulidae. Habitat: marine.

diabolus, Raja Shaw [G.] 1804:291 [General zoology or systematic natural history; ref. [4015](#)] Mediterranean Sea, Atlantic and Indian Oceans. No types known. Based on literature sources. The name *diabolus* should not decline. Notarbartolo-di-Sciara (1987) restricted the type locality as the Mediterranean, although Shaw said the Mediterranean, Atlantic and Indian oceans. •Synonym of *Mobula mobular* (Bonnaterre 1788) -- (Notarbartolo-di-Sciara 1987:64 [ref. [9133](#)], Golani & Bogorodsky 2010:58 [ref. [35264](#)], Weigmann 2016:146 [ref. [34211](#)]). •Valid as *Mobula diabolus* (Shaw 1804) -- (Dor 1984:21 [ref. [29757](#)], Nakaya in Masuda et al. 1984:16 [ref. [6441](#)], Compagno 1986:134 [ref. [5648](#)], Paxton et al. 1989:51 [ref. [12442](#)], Nishida 1990:92 [ref. [19783](#)], Goren & Dor 1994:6 [ref. [25356](#)], Mohsin & Ambak 1996:82 [ref. [27969](#)], Fricke 1999:33 [ref. [24106](#)], Nakabo 2000:186 [ref. [25086](#)], Nakabo 2002:186 [ref. [26001](#)], Sujatha 2002:157 [ref. [26899](#)]). **Current status:** Valid as

Mobula diabolus (Shaw 1804). Mobulidae. Distribution: Circumglobal (including Mediterranean Sea). Habitat: marine.

dumerillii, Cephaloptera Billberg [G. J.] 1833:51 [Linnéska Samfundets Handlingar v. 1 (for 1832); ref. [34146](#)] Montredon, near Marseille, France, western Mediterranean Sea. No types known. Based on the "Molubar" [sic, should have been Mobular] of Lacepède 1798:151 [ref. [2708](#)]; see Kullander 2016:112 [ref. [34147](#)]. •Synonym of *Mobula mobular* (Bonnaterre 1788) -- (Kullander 2016:112 [ref. [34147](#)]). **Current status:** Synonym of *Mobula mobular* (Bonnaterre 1788). Mobulidae. Habitat: marine.

edentula, Cephalopterus Griffini [A.] (ex Brüun) 1903:132, Fig. 73 [Ittiologia italiana. Descrizione dei pesci di mare e d'acqua dolce; ref. [18159](#)] Italian seas. No types known. •Synonym of *Mobula mobular* (Bonnaterre 1788) -- (Krefft & Stehmann 1973:77 [ref. [7167](#)], Notarbartolo-di-Sciara 1987:64 [ref. [9133](#)]). **Current status:** Synonym of *Mobula mobular* (Bonnaterre 1788). Mobulidae. Habitat: marine.

edentulus, Squalus Brünnich [M. T.] 1768:6 [Ichthyologia Massiliensis, sistens piscium descriptiones eorumque apud incolas nomina; ref. [17290](#)] Marseille, France, western Mediterranean Sea. No types known. •Questionably the same as *Mobula mobular* (Bonnaterre 1788) -- (Notarbartolo-di-Sciara 1987:64 [ref. [9133](#)]). **Current status:** Uncertain as *Mobula mobular* (Bonnaterre 1788). Mobulidae. Habitat: marine.

fabroni, Apterurus Rafinesque [C. S.] 1810:48 [Indice d'ittiologia siciliana; ref. [3595](#)] Unjustified emendation of *Raja fabroniana* Lacepède 1800. •In the synonymy of *Mobula mobular* (Bonnaterre 1788) -- (Krefft & Stehmann 1973:77 [ref. [7167](#)], Notarbartolo-di-Sciara 1987:64 [ref. [9133](#)]). **Current status:** Synonym of *Mobula mobular* (Bonnaterre 1788). Mobulidae. Habitat: marine.

fabroniana, Raia Lacepède [B. G. E.] 1800:104, 111, Pl. 5 (figs. 1-2) [Histoire naturelle des poissons (Lacepède) v. 2; ref. [2709](#)] Livourne, Mediterranean Sea. Holotype (unique): MZUF (not found in 1995). Also appeared in Sonnini 1802:73, 285 [ref. [30461](#)]. •Synonym of *Mobula mobular* (Bonnaterre 1788) -- (Krefft & Stehmann 1973:77 [ref. [7167](#)] as *fabronia*, Notarbartolo-di-Sciara 1987:64 [ref. [9133](#)]). **Current status:** Synonym of *Mobula mobular* (Bonnaterre 1788). Mobulidae. Habitat: marine.

giorna, Raja Lacepède [B. G. E.] 1803:662, 666, Pl. 20 (fig. 3) [Histoire naturelle des poissons (Lacepède) v. 5; ref. [4930](#)] Bay of Nice, France, northwestern Mediterranean Sea. No types known. Type catalog: Séret & McEachran 1987:34 [ref. [9312](#)]. •Synonym of *Mobula mobular* (Bonnaterre 1788) -- (Krefft & Stehmann 1973:77 [ref. [7167](#)] as *fabronia*, Notarbartolo-di-Sciara 1987:64 [ref. [9133](#)], Lipej & Dulčić 2010:16 [ref. [36649](#)] as *Cephaloptera g.*). **Current status:** Synonym of *Mobula mobular* (Bonnaterre 1788). Mobulidae. Habitat: marine.

japanica, Cephaloptera Müller [J.] & Henle [F. G. J.] 1841:185 [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Japan [Nagasaki, Japan]. Lectotype: RMNH D2440 (dry, young). Paralectotypes: RMNH (1, lost). Type information: Boeseman 1947:228 [ref. [12876](#)] as *japonica*. Lectotype selected by Boeseman 1947:228 [ref. [12876](#)]. The original spelling was *japanica* and that spelling should be maintained. •Valid as *Mobula japanica* (Müller & Henle 1841) -- (Eschmeyer & Herald 1983:58 [ref. [9277](#)], Nakaya in Masuda et al. 1984:16 [ref. [6441](#)], Notarbartolo-di-Sciara 1987:53 [ref. [9133](#)], Paulin et al. 1989:30 [ref. [24556](#)] as *japonica*, Nishida 1990:92 [ref. [19783](#)], Last & Stevens 1994:461 [ref. [23873](#)], Heemstra in Smith & Heemstra 1995:vi [ref. [21953](#)], McEachran & Notarbartolo-di-Sciara in Fischer et al. 1995:761 [ref. [22829](#)], Castro-Aguirre & Espinosa Pérez 1996:60 [ref. [22793](#)], Chen et al. 1997:11 [ref. [26476](#)], Grove & Lavenberg 1997:131 [ref. [24023](#)], Morón et al. 1999:150 [ref. [24253](#)], Compagno & Last 1999:1528 [ref. [24637](#)], Compagno 1999:498 [ref. [25589](#)], Nakabo 2000:186 [ref. [25086](#)], Youn 2002:73, 486 [ref. [26218](#)], Gadig & Gomes in Menezes et al. 2003:31 [ref. [27192](#)], Gadig et al. 2003:869 [ref. [27134](#)], Manilo & Bogorodsky 2003:S94 [ref. [27377](#)], Duffy & Abbott 2003:715 [ref. [27479](#)], Bonfil & Abdallah 2004:56 [ref. [27735](#)], Nelson et al. 2004:57 [ref. [27807](#)], Mundy 2005:107 [ref. [28379](#)], Vaske et al. 2005:77 [ref. [36155](#)], Allen et al.

2006:208 [ref. [29002](#)], Randall 2007:48 [ref. [30952](#)], McCosker & Rosenblatt 2010:188 [ref. [30957](#)], Last et al. 2010:260 [ref. [32461](#)], Page et al. 2013:57 [ref. [32708](#)], Ebert et al. 2013:369 [ref. [33045](#)] as *japonica*, Psomadakis et al. 2015:108 [ref. [34104](#)], Duffy 2015:203 [ref. [34217](#)], Pinheiro et al. 2015:4 [ref. [34324](#)], Dyldin 2015:76 [ref. [34524](#)], Del Moral-Flores et al. 2016:137 [ref. [34398](#)], Weigmann 2016:146 [ref. [34211](#)], 982 [ref. [34211](#)], Notarbartolo-di-Sciara & Séret 2016:1437 [ref. [34552](#)], Fourrière et al. 2016:453 [ref. [34668](#)], Del Moral-Flores et al. 2016:606 [ref. [34923](#)], Nión et al. 2016:24 [ref. [35565](#)], Kells et al. 2016:86 [ref. [35888](#)], Ebert et al. 2017:61 [ref. [35618](#)] as *japonica*). •Synonym of *Mobula mobular* (Bonnaterre 1788) -- (White & Last 2016:746 [ref. [35016](#)]). **Current status:** Synonym of *Mobula mobular* (Bonnaterre 1788). Mobulidae. Distribution: Circumglobal in warm seas [if valid]. Habitat: marine.

massena, Cephalopterus Risso [A.] 1810:15 [Ichthyologie de Nice; ref. [3755](#)] Nice, France, northwestern Mediterranean Sea. No types known. Type catalog: Séret & McEachran 1987:34 [ref. [9312](#)]. •Synonym of *Mobula mobular* (Bonnaterre 1788) -- (Krefft & Stehmann 1973:77 [ref. [7167](#)], Notarbartolo-di-Sciara 1987:64 [ref. [9133](#)]). **Current status:** Synonym of *Mobula mobular* (Bonnaterre 1788). Mobulidae. Habitat: marine.

mobular, Raia Bonnaterre [J. P.] 1788:5 [Tableau encyclopédique et méthodique des trois règnes de la nature... Ichthyologie; ref. [4940](#)] Montredon, near Marseille, France, western Mediterranean Sea. No types known. Type catalog: Séret & McEachran 1987:34 [ref. [9312](#)]. Original genus should have been spelled Raja. Misspelled *mobularis* by Cabrera y Corro, Pérez & Häseler 1817:12 [ref. [17319](#)], see Graells 1887:186 [ref. [30438](#)]. •Synonym of *Mobula japonica* (Müller & Henle 1841) -- (Notarbartolo-di-Sciara & Séret 2016:1437 [ref. [34552](#)]). •Valid as *Mobula mobular* (Bonnaterre 1788) -- (Krefft & Stehmann 1973:77 [ref. [7167](#)], McEachran & Capapé in Whitehead et al. 1984:210 [ref. [13675](#)], Notarbartolo-di-Sciara 1987:64 [ref. [9133](#)], McEachran & Séret 1990:74 [ref. [19318](#)], Santos et al. 1997:16 [ref. [23531](#)], Arruda 1997:24 [ref. [24952](#)], Compagno 1999:498 [ref. [25589](#)], Bradaï & Capapé 2001:389 [ref. [25924](#)], Bilecenoğlu et al. 2002:28 [ref. [26753](#)], Fricke et al. 2007:21 [ref. [29533](#)], Golani & Bogorodsky 2010:58 [ref. [35264](#)], Lipej & Dulčić 2010:16 [ref. [36649](#)], Weigmann 2016:146 [ref. [34211](#)], White & Last 2016:746 [ref. [35016](#)], White et al. 2017:290 [ref. [35860](#)], Ali et al. 2018:305 [ref. [36183](#)], Ehemann et al. 2018:27 [ref. [36194](#)], Fricke et al. 2018:28 [ref. [35805](#)], Kumar et al. 2018:298 [ref. [36178](#)], White & Ko'ou 2018:68 [ref. [35922](#)]). **Current status:** Valid as *Mobula mobular* (Bonnaterre 1788). Mobulidae. Distribution: Probably circumglobal in tropical and warm temperate seas (including Mediterranean Sea). Habitat: marine.

rancureli, Mobula Cadenat [J.] 1959:1331, Figs. 1-10 [Bulletin de l'Institut Français d'Afrique Noire (Sér A) Sciences Naturelles v. 21 (no. 4); ref. [11984](#)] Ivory Coast, western Africa. Holotype (unique): MNHN 1965-0146 (in 5 pieces). Type catalog: Séret & McEachran 1987:27 [ref. [9312](#)]. •Valid as *Mobula rancureli* Cadenat 1959 -- (McEachran & Séret 1990:75 [ref. [19318](#)]). •Synonym of *Mobula japonica* (Müller & Henle 1841) -- (Notarbartolo-di-Sciara 1987:47 [ref. [9133](#)], Weigmann 2016:145 [ref. [34211](#)]). •Synonym of *Mobula mobular* (Bonnaterre 1788). **Current status:** Synonym of *Mobula mobular* (Bonnaterre 1788). Mobulidae. Distribution: Eastern Atlantic (if valid). Habitat: marine.

rissoi, Cephaloptera Billberg [G. J.] 1833:51 [Linnéska Samfundets Handlingar v. 1 (for 1832); ref. [34146](#)] Nice, France, northwestern Mediterranean Sea. No types known. Genus erroneously abbreviated as "M."; should have been *Cephaloptera*. Based on the *Cephalopterus massena* of Risso 1810:15 [ref. [3755](#)]; see Kullander 2016:112 [ref. [34147](#)]. •Synonym of *Mobula mobular* (Bonnaterre 1788) -- (Kullander 2016:112 [ref. [34147](#)]). **Current status:** Synonym of *Mobula mobular* (Bonnaterre 1788). Mobulidae. Habitat: marine.

rissoi, Cephalopterus Billberg [G. J.] 1833:51 [Linnéska Samfundets Handlingar v. 1 (for 1832); ref. [34146](#)] No types known. •Synonym of *Cephalopterus massena* Risso 1810 and synonym of *Mobula mobular* (Bonnaterre 1788) -- (Kullander 2016:51 [ref. [34147](#)]). **Current status:** Synonym of *Mobula massena* Risso 1810. Mobulidae. Habitat: marine.

rochebrunei, Cephaloptera Vaillant [L. L.] 1879:187 [Bulletin de la Société philomathique de Paris (7th Série) v. 3; ref. [17850](#)] Senegal, western Africa. Holotype (unique): MNHN A-9967 (dry). Type

catalog: Bertin 1939:92 [ref. [20739](#)], Séret & McEachran 1987:26 [ref. [9312](#)]. •Synonym of *Mobula mobular* (Bonnaterre 1788) -- (Krefft & Stehmann 1973:77 [ref. [7167](#)]). •Valid as *Mobula rochebrunei* (Vaillant 1879) -- (Notarbartolo-di-Sciara 1987:22 [ref. [9133](#)], McEachran & Seret 1990:75 [ref. [19318](#)], Compagno 1999:498 [ref. [25589](#)], Menni & Stehmann 2000:94 [ref. [24909](#)] as *rochebrunei*, Gadig & Gomes in Menezes et al. 2003:31 [ref. [27192](#)], McEachran & Carvalho 2003:588 [ref. [26985](#)], Gadig et al. 2003:869 [ref. [27134](#)], Weigmann 2016:146 [ref. [34211](#)], Notarbartolo-di-Sciara & Séret 2016:1438 [ref. [34552](#)]). •Synonym of *Mobula hypostoma* (Bancroft 1831) -- (White & Last 2016:744 [ref. [35016](#)]). **Current status:** Synonym of *Mobula hypostoma* (Bancroft 1831). Mobulidae. Distribution: Eastern Atlantic [if valid]. Habitat: marine.

tatraniana, Cephaloptera van Hasselt [J. C.] 1823:316 [Algemeene Konst- en Letter-bode voor het Jaar I Deel (no. 20); ref. [4513](#)] An incorrect subsequent spelling of *Raja fabroniana* Lacepède 1800 (see Kottelat 1987:369 [ref. [5962](#)]). •In the synonymy of *Mobula mobular* (Bonnaterre 1788). **Current status:** Synonym of *Mobula mobular* (Bonnaterre 1788). Mobulidae.

vespertilio, Raja Walbaum [J. J.] 1792:535 [Petri Artedi sueci genera piscium Part 3; ref. [4572](#)] Azores, northeastern Atlantic. On Raie cornue Duhamel 1769 sect. 9 p. 293 pl. 17 figs. 1-2, Azores. •Synonym of *Mobula mobular* (Bonnaterre 1788) -- (P. Parenti, pers. comm.). **Current status:** Synonym of *Mobula mobular* (Bonnaterre 1788). Mobulidae. Habitat: marine.

MOBULA MUNKIANA

Species that contain: *Mobula* and *munkiana* (including unavailable names) [1] records

munkiana, Mobula Notarbartolo-di-Sciara [G.] 1987:9, Figs. 3-7, 8A [Zoological Journal of the Linnean Society v. 91 (no. 1); ref. [9133](#)] Bahia de la Ventana, Baja California Sur, Mexico, 24°04'N, 109°53'W, near surface over depth of 15 meters. Holotype: SIO 84-29. Paratypes: SIO 53-178-6A (1), 84-29 (2), 85-34 (1), 85-35 (2). •Valid as *Mobula munkiana* Notarbartolo-di-Sciara 1987 -- (Acero P. & Franke 1995:18 [ref. [22546](#)], McEachran & Notarbartolo-di-Sciara in Fischer et al. 1995:762 [ref. [22829](#)], Castro-Aguirre & Espinosa Pérez 1996:61 [ref. [22793](#)], Grove & Lavenberg 1997:130 [ref. [24023](#)], Chirichigno F. & Vélez D. 1998:73 [ref. [24555](#)], Compagno 1999:498 [ref. [25589](#)], Thomson et al. 2000:284 [ref. [25640](#)], Nelson et al. 2004:57 [ref. [27807](#)], McCosker & Rosenblatt 2010:188 [ref. [30957](#)], Page et al. 2013:57 [ref. [32708](#)], Del Moral-Flores et al. 2016:137 [ref. [34398](#)], Weigmann 2016:146 [ref. [34211](#)], White & Last 2016:747 [ref. [35016](#)], Ehemann et al. 2018:27 [ref. [36194](#)]). **Current status:** Valid as *Mobula munkiana* Notarbartolo-di-Sciara 1987. Mobulidae. Distribution: Eastern Pacific. Habitat: marine.

MOBULA ROCHEBRUNEI

Species that contain: *Mobula* and *rochebrunei* (including unavailable names) [2] records

hypostomus, Cephalopterus Bancroft [E. N.] 1831:134 [Proceedings of the Committee of Science and Correspondence of the Zoological Society of London 1830-31 (pt 1); ref. [15966](#)] Kingston, Jamaica. Holotype (unique): not preserved. Also appeared in Bancroft 1835:411 [ref. [15971](#)], Suppl. Pl. 50. McEachran & Carvalho 2003:588 [ref. [26985](#)] indicate that e. Atlantic specimens are *M. rochebrunei*. •Valid as *Mobula hypostoma* (Bancroft 1831) -- (Robins & Ray 1986:45 [ref. [23100](#)], Notarbartolo-di-Sciara 1987:25 [ref. [9133](#)], Boschung 1992:28 [ref. [23239](#)], Cervigón 1992:202 [ref. [23827](#)], Castro-Aguirre & Espinosa Pérez 1996:61 [ref. [22793](#)], McEachran & Fechhelm 1998:195 [ref. [23897](#)], Cervigón & Alcalá 1999:204 [ref. [24490](#)], Compagno 1999:498 [ref. [25589](#)], Díaz de Astarloa et al. 2000:401 [ref. [24427](#)], Menni & Stehmann 2000:94 [ref. [24909](#)], Schmitter-Soto et al. 2000:147 [ref. [27754](#)], Camargo & Isaac 2001:144 [ref. [27639](#)] as *hipostoma* Robins & Ray 1986, McEachran & Carvalho 2003:588 [ref. [26985](#)], Gadig et al. 2003:869 [ref. [27134](#)], Gadig & Gomes in Menezes et al. 2003:31 [ref. [27192](#)], Nelson et al. 2004:57 [ref. [27807](#)], Page et al. 2013:57 [ref. [32708](#)], Del Moral-Flores et al. 2016:136 [ref. [34398](#)], Weigmann 2016:145 [ref. [34211](#)], White & Last 2016:744 [ref. [35016](#)], Nión et al. 2016:24 [ref. [35565](#)], Ehemann et al. 2018:27 [ref. [36194](#)], Spier et al. 2018:5 [ref. [36103](#)], Ehemann et al. 2019:[7] [ref. [36861](#)]). **Current status:** Valid as *Mobula hypostoma* (Bancroft 1831). Mobulidae. Distribution: Western Atlantic: North Carolina (U.S.A.) south to Argentina, including Caribbean Sea; eastern Atlantic: Mauritania south to Angola. Habitat: marine.

rochebrunei, Cephaloptera Vaillant [L. L.] 1879:187 [Bulletin de la Société philomathique de Paris (7th Série) v. 3; ref. [17850](#)] Senegal, western Africa. Holotype (unique): MNHN A-9967 (dry). Type catalog: Bertin 1939:92 [ref. [20739](#)], Séret & McEachran 1987:26 [ref. [9312](#)]. •Synonym of *Mobula mobular* (Bonnaterre 1788) -- (Krefft & Stehmann 1973:77 [ref. [7167](#)]). •Valid as *Mobula rochebrunei* (Vaillant 1879) -- (Notarbartolo-di-Sciara 1987:22 [ref. [9133](#)], McEachran & Seret 1990:75 [ref. [19318](#)], Compagno 1999:498 [ref. [25589](#)], Menni & Stehmann 2000:94 [ref. [24909](#)] as *rochebrunnei*,

Gadig & Gomes in Menezes et al. 2003:31 [ref. [27192](#)], McEachran & Carvalho 2003:588 [ref. [26985](#)], Gadig et al. 2003:869 [ref. [27134](#)], Weigmann 2016:146 [ref. [34211](#)], Notarbartolo-di-Sciara & Séret 2016:1438 [ref. [34552](#)]. •Synonym of *Mobula hypostoma* (Bancroft 1831) -- (White & Last 2016:744 [ref. [35016](#)]). **Current status:** Synonym of *Mobula hypostoma* (Bancroft 1831). Mobulidae. Distribution: Eastern Atlantic [if valid]. Habitat: marine.

MOBULA TARAPACANA

Species that contain: *Mobula* and *tarapacana* (including unavailable names) [3] records

coilloti, *Mobula* Cadenat [J.] & Rancurel [P.] 1960:283, Figs. 1-9 [Bulletin de l'Institut Français d'Afrique Noire (Sér A) Sciences Naturelles v. 22 (no. 1); ref. [11901](#)] About 10 miles south of Iridi, Ivory Coast, western Africa. Holotype (unique): MNHN 1965-0144 (in 5 pieces). Type catalog: Séret & McEachran 1987:26 [ref. [9312](#)]. •Valid as *Mobula coilloti* Cadenat & Rancurel 1960 -- (Notarbartolo-di-Sciara 1987:68 [ref. [9133](#)], McEachran & Séret 1990:74 [ref. [19318](#)]). •Synonym of *Mobula tarapacana* (Philippi 1892) -- (Dyldin 2015:76 [ref. [34524](#)] with question, Notarbartolo-di-Sciara & Séret 2016:1439 [ref. [34552](#)]). **Current status:** Synonym of *Mobula tarapacana* (Philippi 1892). Mobulidae. Distribution: Eastern Atlantic [if valid]. Habitat: marine.

formosana, *Mobula* Teng [H.-T.] 1962:259, Fig. 74 [Classification and distribution of the Chondrichthyes of Taiwan; ref. [12623](#)] Keelung, northern Taiwan. Holotype (unique): TFRI 2911. Type catalog: Ho & Shao 2011:21 [ref. [31432](#)]. •Synonym of *Mobula tarapacana* (Philippi 1892) -- (Notarbartolo-di-Sciara 1987:68 [ref. [9133](#)], Ho & Shao 2011:21 [ref. [31432](#)], Dyldin 2015:76 [ref. [34524](#)]). **Current status:** Synonym of *Mobula tarapacana* (Philippi 1892). Mobulidae. Habitat: marine.

tarapacana, *Cephaloptera* Philippi [R. A.] 1892:8, Pl. 3 (fig. 2) [Anales del Museo Nacional de Chile. Primera seccion, Zoología No. 3; ref. [22759](#)] 12 miles west of Iquique, Tarapacá Province, Chile [southeastern Pacific]. Holotype (unique): whereabouts unknown. Appeared as *Cephaloptera?* *tarapacana*. On p. 9 of German edition (Philippi 1893 [ref. [14560](#)]). •Valid as *Mobula tarapacana* (Philippi 1892) -- (Notarbartolo-di-Sciara 1987:68 [ref. [9133](#)], Pequeño 1989:17 [ref. [14125](#)], Randall et al. 1990:32 [ref. [15987](#)], Heemstra in Smith & Heemstra 1995:viii [ref. [21953](#)], Allen & Robertson 1994:37 [ref. [22193](#)], McEachran & Notarbartolo-di-Sciara in Fischer et al. 1995:764 [ref. [22829](#)], Castro-Aguirre & Espinosa Pérez 1996:60 [ref. [22793](#)], Grove & Lavenberg 1997:131 [ref. [24023](#)], Childs 1997:39 [ref. [24970](#)], McEachran & Fechtelm 1998:196 [ref. [23897](#)], Chirichigno F. & Vélez D. 1998:73 [ref. [24555](#)], Randall et al. 1997:32 [ref. [25919](#)], Myers 1999:40 [ref. [23965](#)], Compagno & Last 1999:1529 [ref. [24637](#)], Compagno 1999:498 [ref. [25589](#)], Nakabo 2000:186 [ref. [25086](#)], Compagno in Randall & Lim 2000:583 [ref. [25122](#)], Laboute & Grandperrin 2000:104 [ref. [25191](#)], Nakabo 2002:186 [ref. [26001](#)], Feitoza et al. 2003:68 [ref. [26943](#)], Gadig & Gomes in Menezes et al. 2003:31 [ref. [27192](#)] dated 1893, McEachran & Carvalho 2003:589 [ref. [26985](#)], Gadig et al. 2003:869 [ref. [27134](#)], Bonfil & Abdallah 2004:57 [ref. [27735](#)], Nelson et al. 2004:57 [ref. [27807](#)] with date as 1893, Vaske et al. 2005:77 [ref. [36155](#)], Randall 2007:49 [ref. [30952](#)], Fricke et al. 2009:12 [ref. [30213](#)], McCosker & Rosenblatt 2010:188 [ref. [30957](#)], Fricke et al. 2011:348 [ref. [31242](#)], Ho & Shao 2011: 21 [ref. [31432](#)], Page et al. 2013:57 [ref. [32708](#)], Wirtz et al. 2013:117 [ref. [32972](#)], Ebert et al. 2013:370 [ref. [33045](#)], Wirtz et al. 2014:2 [ref. [33516](#)], Psomadakis et al. 2015:109 [ref. [34104](#)], Dyldin 2015:76 [ref. [34524](#)], Del Moral-Flores et al. 2016:137 [ref. [34398](#)], Weigmann 2016:146 [ref. [34211](#)], Duffy & Vogiatzis 2016:141 [ref. [34488](#)], Notarbartolo-di-Sciara & Séret 2016:1439 [ref. [34552](#)], Fourrière et al. 2016:440 [ref. [34668](#)], Del Moral-Flores et al. 2016:606 [ref. [34923](#)], White & Last 2016:748 [ref. [35016](#)], White et al. 2017:292 [ref. [35860](#)], Dyldin & Orlov 2018:173 [ref. [35920](#)], Ehemann et al. 2018:27 [ref. [36194](#)], Golani & Fricke 2018:18 [ref. [36273](#)], Kumar et al. 2018:298 [ref. [36178](#)], White & Ko'ou 2018:68 [ref. [35922](#)], Brown et al. 2019:154 [ref.

[36444](#)], Ehemann et al. 2019:[7] [ref. [36861](#)]). **Current status:** Valid as *Mobula tarapacana* (Philippi 1892). Mobulidae. Distribution: Probably circumglobal in tropical seas (including Caribbean Sea, Red Sea). Habitat: marine.

MOBULA THURSTONI

Species that contain: *Mobula* and *thurstoni* (including unavailable names) [2] records

lucasana, *Mobula* Beebe [W.] & Tee-Van [J.] 1938:299, Pls. 1-3 [Zoologica, Scientific Contributions of the New York Zoological Society v. 23 (pt 3, no. 15); ref. [249](#)] San Lucas Bay, Baja California, Mexico. Holotype (unique): AMNH 15675-76 [ex NYZS 24793] (in two pieces). Type catalog: Mead 1958:133 [ref. [20648](#)]. •Valid as *Mobula lucasana* Beebe & Tee-Van 1938 -- (Eschmeyer & Herald 1983:58 [ref. [9277](#)], Pequeño 1989:17 [ref. [14125](#)], McEachran & Séret 1990:74 [ref. [19318](#)], Nishida 1990:92 [ref. [19783](#)]). •Synonym of *Mobula thurstoni* (Lloyd 1908) -- (Notarbartolo-di-Sciara 1987:36 [ref. [9133](#)], McEachran & Notarbartolo-Di-Sciara in Fischer et al. 1995:763 [ref. [22829](#)], Acero P. & Franke 1995:18 [ref. [22546](#)], Castro-Aguirre & Espinosa Pérez 1996:60 [ref. [22793](#)]). •Mention -- (Castro-Aguirre & Espinosa Pérez 1996:61 [ref. [22793](#)]). **Current status:** Synonym of *Mobula thurstoni* (Lloyd 1908). Mobulidae. Habitat: marine.

thurstoni, *Dicerobatis* Lloyd [R. E.] 1908:179, Fig. 3, Pl. 4 (fig. 2) [Records of the Indian Museum (Calcutta) v. 2 (pt 2); ref. [14327](#)] India. Syntypes: Madras Museum (whereabouts unknown). •Valid, but possibly a synonym of *Mobula eregoodoo* (Cantor 1849) -- (Compagno 1999:498 [ref. [25589](#)]). •Valid as *Mobula thurstoni* (Lloyd 1908) -- (Notarbartolo-di-Sciara 1987:36 [ref. [9133](#)], Randall 1994:260 [ref. [21644](#)], Heemstra in Smith & Heemstra 1995:viii [ref. [21953](#)], Allen & Robertson 1994:37 [ref. [22193](#)], Last & Stevens 1994:463 [ref. [23873](#)], Randall 1995:51 [ref. [22896](#)], Acero P. & Franke 1995:18 [ref. [22546](#)], McEachran & Notarbartolo-di-Sciara in Fischer et al. 1995:763 [ref. [22829](#)], Castro-Aguirre & Espinosa Pérez 1996:60 [ref. [22793](#)], Grove & Lavenberg 1997:131 [ref. [24023](#)], Chirichigno F. & Vélez D. 1998:73 [ref. [24555](#)], Compagno & Last 1999:1529 [ref. [24637](#)], Compagno in Randall & Lim 2000:583 [ref. [25122](#)], Thomson et al. 2000:284 [ref. [25640](#)], Gadig & Gomes in Menezes et al. 2003:31 [ref. [27192](#)], Gadig et al. 2003:869 [ref. [27134](#)], Manilo & Bogorodsky 2003:S94 [ref. [27377](#)], Nelson et al. 2004:57 [ref. [27807](#)], Compagno et al. 2005:82 [ref. [29145](#)], Vaske et al. 2005:77 [ref. [36155](#)], Allen et al. 2006:208 [ref. [29002](#)], Béarez & Séret 2009:145 [ref. [36646](#)], Last et al. 2010:264 [ref. [32461](#)], Page et al. 2013:57 [ref. [32708](#)], Ebert et al. 2013:370 [ref. [33045](#)], Psomadakis et al. 2015:109 [ref. [34104](#)], Del Moral-Flores et al. 2016:138 [ref. [34398](#)], Weigmann 2016:146 [ref. [34211](#)], Notarbartolo-di-Sciara & Séret 2016:1440 [ref. [34552](#)], White & Last 2016:749 [ref. [35016](#)], Nión et al. 2016:24 [ref. [35565](#)], Ehemann et al. 2018:27 [ref. [36194](#)], Fricke et al. 2018:28 [ref. [35805](#)], Golani & Fricke 2018:18 [ref. [36273](#)], Kumar et al. 2018:298 [ref. [36178](#)], Zajonz et al. 2019:61 [ref. [36871](#)]). **Current status:** Valid as *Mobula thurstoni* (Lloyd 1908). Mobulidae. Distribution: Circumglobal in warm seas (including Red Sea). Habitat: marine.

PRISTIDAE

ANOXYPRISTIS CUSPIDATA

Species that contain: Anoxypristis and cuspidata (including unavailable names) [1] records

cuspidatus, *Pristis* Latham [J. F.] 1794:279, Pl. 26 (fig. 3) [The Transactions of the Linnean Society of London v. 2 (art. 25); ref. [2727](#)] Malabar, India, Indian Ocean. Neotype: MNHN 0000-1250. Type catalog: Séret & McEachran 1987:9 [ref. [9312](#)] with neotype established by reference to Dingerkus in press; neotype questioned by Kottelat 2013:23 [ref. [32989](#)]. •Valid as *Pristis cuspidatus* Latham 1794 -- (Dor 1984:13 [ref. [29757](#)] as *cuspidata*, Nakaya in Masuda et al. 1984:12 [ref. [6441](#)], Allen & Swainston 1988:24 [ref. [25477](#)], Mohsin & Ambak 1996:71 [ref. [27969](#)], Morón et al. 1999:154 [ref. [24253](#)]). •Valid as *Anoxypristis cuspidata* (Latham 1794) -- (Paxton et al. 1989:58 [ref. [12442](#)], Talwar & Jhingran 1991:32 [ref. [20764](#)], Last & Stevens 1994:361 [ref. [23873](#)], Goren & Dor 1994:4 [ref. [25356](#)], Randall 1995:39 [ref. [22896](#)], Allen 1997:44 [ref. [23977](#)], Compagno & Last 1999:1413 [ref. [24637](#)], Vossoughi & Vosoughi 1999:302 [ref. [25467](#)], Compagno 1999:484 [ref. [25589](#)], Compagno in Randall & Lim 2000:581 [ref. [25122](#)], Hutchins 2001:15 [ref. [25847](#)], Carvalho & McEachran in Reis et al. 2003:17 [ref. [27061](#)] but status uncertain, Manilo & Bogorodsky 2003:S93 [ref. [27377](#)], Bonfil & Abdallah 2004:43 [ref. [27735](#)], Compagno et al. 2005:57 [ref. [29145](#)], Hoese & Gates 2006:170 [ref. [28997](#)], Last et al. 2010:140 [ref. [32461](#)], Duffy et al. 2011:65 [ref. [31668](#)], Faria et al. 2012:2 [ref. [32356](#)], Larson et al. 2013:15 [ref. [32988](#)], Kottelat 2013:23 [ref. [32989](#)], Ebert et al. 2013:345 [ref. [33045](#)], Psomadakis et al. 2015:95 [ref. [34104](#)], Weigmann 2016:81 [ref. [34211](#)], Last et al. 2016:473 [ref. [34473](#)], Last et al. 2016:60 [ref. [34991](#)], White et al. 2017:192 [ref. [35860](#)], Ali et al. 2018:303 [ref. [36183](#)], Golani & Fricke 2018:13 [ref. [36273](#)], Kumar et al. 2018:297 [ref. [36178](#)], White & Ko'ou 2018:45 [ref. [35922](#)]). **Current status:** Valid as *Anoxypristis cuspidata* (Latham 1794). Pristidae. Distribution: Red Sea, Indo-West Pacific: East Africa and Persian Gulf east to Philippines and New Guinea, north to southern Japan, south to northern Australia. Habitat: brackish, marine.

PRISTIS CLAVATA

Species that contain: *Pristis* and *clavata* (including unavailable names) [2] records

clavata, *Pristis* Garman [S.] 1906:208 [Bulletin of the Museum of Comparative Zoology v. 46 (no. 11); ref. [1542](#)] Queensland, Australia, Coral Sea, southwestern Pacific. Holotype (unique): MCZ 733-S. Type catalog: Hartel & Dingerkus 1997:xli [ref. [23119](#)]. •Synonym of *Pristis pristis* (Linnaeus 1758) -- (Paxton et al. 1989:58 [ref. [12442](#)]). •Mention -- (Stehmann 1990:54 [ref. [19316](#)]). •Valid as *Pristis clavata* Garman 1906 -- (Last & Stevens 1994:362 [ref. [23873](#)], Compagno & Last 1999:1414 [ref. [24637](#)], Compagno 1999:484 [ref. [25589](#)], Hutchins 2001:15 [ref. [25847](#)], Morgan et al. 2004:151 [ref. [27718](#)], Hoese & Gates 2006:171 [ref. [28997](#)], Thorburn et al. 2007:36 [ref. [29328](#)], Morgan et al. 2011:21 [ref. [31262](#)], Duffy et al. 2011:65 [ref. [31668](#)], Faria et al. 2012:2 [ref. [32356](#)], Larson et al. 2013:16 [ref. [32988](#)], Weigmann 2016:81 [ref. [34211](#)], Last et al. 2016:474 [ref. [34473](#)], Last et al. 2016:61 [ref. [34991](#)], White et al. 2017:194 [ref. [35860](#)], White & Ko'ou 2018:45 [ref. [35922](#)]). **Current status:** Valid as *Pristis clavata* Garman 1906. Pristidae. Distribution: Papua New Guinea, Northern Australia and Indo-West Pacific [ref. 34991]. Habitat: brackish, marine.

leichhardti, *Pristiopsis* Whitley [G. P.] 1945:44, Fig. 1 [Australian Zoologist v. 11 (pt 1); ref. [13156](#)] Lynd River, northern Queensland, Australia. Holotype (unique): whereabouts unknown. Based on *Pristis* of Leichardt 1846, Journ. Roy. Geogr. Soc. London v. 16, p. 223. •Synonym of *Pristis microdon* Latham 1794 -- (Last & Stevens 1994:365 [ref. [23873](#)], Compagno & Last 1999:1415 [ref. [24637](#)], with question). •Synonym of *Pristis clavata* Garman 1906 -- (Hoese & Gates 2006:171 [ref. [28997](#)]). •Synonym of *Pristis microdon* Latham 1794 -- (Kottelat 2013:24 [ref. [32989](#)]). •Synonym of *Pristis pristis* (Linnaeus 1758) -- (Paxton et al. 1989:58 [ref. [12442](#)], Faria et al. 2012:11 [ref. [32356](#)]). **Current status:** Synonym of *Pristis pristis* (Linnaeus 1758). Pristidae. Habitat: brackish, marine.

PRISTIS PECTINATA

Species that contain: *Pristis* and *pectinata* (including unavailable names) [**9**] records

acutirostris, *Pristis* Duméril [A. H. A.] 1865:479 [Histoire naturelle des poissons ou ichthyologie générale v. 1; ref. [1150](#)] Antilles, western Atlantic. Holotype (unique): MNHN A-9476 (stuffed). Type catalog: Bertin 1939:78 [ref. [20739](#)], Séret & McEachran 1987:9 [ref. [9312](#)]. •Synonym of *Pristis pectinata* Latham 1794 -- (Carvalho & McEachran in Reis et al. 2003:18 [ref. [27061](#)], Kottelat 2013:24 [ref. [32989](#)]). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: freshwater, brackish, marine.

annandalei, *Pristis* Chaudhuri [B. L.] 1908:391, Fig. [Records of the Indian Museum (Calcutta) v. 2 (pt 4) (art. 37); ref. [14317](#)] Elephant Point, Myanmar coast, northeastern Indian Ocean. Holotype (unique): whereabouts unknown. •Synonym of *Pristis pectinata* Latham 1794 -- (Kottelat 2013:24 [ref. [32919](#)]). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: marine.

granulosa, *Pristis* Bloch [M. E.] & Schneider [J. G.] (ex Parra) 1801:352 [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] Havana, Cuba, Gulf of Mexico, western Atlantic. No types known. Based on the 'Pez de Espada' of Parra 1787:75, Pl. 33 [ref. [6840](#)]. •Synonym of *Pristis pectinata* Latham 1794 -- (Krefft & Stehmann 1973:52 [ref. [7167](#)], Stehmann 1990:52 [ref. [19316](#)], Carvalho & McEachran in Reis et al. 2003:18 [ref. [27061](#)], Kottelat 2013:24 [ref. [32989](#)]). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: freshwater, brackish, marine.

leptodon, *Pristis* Duméril [A. H. A.] 1865:480 [Histoire naturelle des poissons ou ichthyologie générale v. 1; ref. [1150](#)] Red Sea. Syntypes: MNHN 0000-3485 (1, stuffed and mounted), 0000-3486 (1, skin). Type catalog: Bertin 1939:78 [ref. [20739](#)], Séret & McEachran 1987:9 [ref. [9312](#)]. •Synonym of *Pristis pectinata* Latham 1794 -- (Dor 1984:13 [ref. [29757](#)]). •Synonym of *Pristis zijnsron* Bleeker 1851 -- (Kottelat 2013:24 [ref. [32989](#)]). **Current status:** Synonym of *Pristis zijnsron* Bleeker 1851. Pristidae. Habitat: freshwater, brackish, marine.

megalodon, *Pristis* Duméril [A. H. A.] 1865:476, Pl. 9 (fig. 4) [Histoire naturelle des poissons ou ichthyologie générale v. 1; ref. [1150](#)] No locality stated (is Cayenne, French Guiana). Holotype (unique): MNHN 0000-3483 (rostrum). Type catalog: Bertin 1939:78 [ref. [20739](#)] as MNHN 3484, Séret & McEachran 1987:9 [ref. [9312](#)]. •Synonym of *Pristis pectinata* Latham 1794 -- (Carvalho & McEachran in Reis et al. 2003:18 [ref. [27061](#)], Kottelat 2013:24 [ref. [32989](#)]). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: freshwater, brackish, marine.

occa, *Pristobatus* Duméril [A. H. A.] 1865:479 [Histoire naturelle des poissons ou ichthyologie générale v. 1; ref. [1150](#)] Unknown locality. Holotype (unique): whereabouts unknown. •Synonym of *Pristis pectinata* Latham 1794 -- (Carvalho & McEachran in Reis et al. 2003:18 [ref. [27061](#)] with

question, Kottelat 2013:24 [ref. [32989](#)]). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: freshwater, brackish, marine.

pectinatus, Pristis Latham [J. F.] 1794:278, Pl. 26 (fig. 2) [The Transactions of the Linnean Society of London v. 2 (art. 25); ref. [2727](#)] Ocean. No types known. Based on multiple historical authors. •Valid as *Pristis pectinatus* Latham 1794 -- (Villa 1982:65 [ref. [36708](#)], Bussing & López S. 1994:24 [ref. [23101](#)]). •Valid as *Pristis pectinata* Latham 1794 -- (Krefft & Stehmann 1973:51 [ref. [7167](#)], Dor 1984:13 [ref. [29757](#)], Stehmann & Bürkel in Whitehead et al. 1984:154 [ref. [13675](#)], Compagno 1986:111 [ref. [5648](#)], Robins & Ray 1986:35 [ref. [23100](#)], Stehmann 1990:52 [ref. [19316](#)], Talwar & Jhingran 1991:34 [ref. [20764](#)], Boschung 1992:25 [ref. [23239](#)], Cervigón 1992:205 [ref. [23827](#)], Allen & Robertson 1994:31 [ref. [22193](#)], Last & Stevens 1994:365 [ref. [23873](#)], Poll & Gosse 1995:75 [ref. [24781](#)], Goren & Dor 1994:4 [ref. [25356](#)], Compagno 1995:111 [ref. [21955](#)], Castro-Aguirre & Espinosa Pérez 1996:15 [ref. [22793](#)], Murdy et al. 1997:36 [ref. [23144](#)], McEachran & Fechhelm 1998:136 [ref. [23897](#)], Aguilera 1998:45 [ref. [24221](#)], Chirichigno F. & Vélez D. 1998:62 [ref. [24555](#)], Fricke 1999:28 [ref. [24106](#)], Cervigón & Alcalá 1999:147 [ref. [24490](#)], Castro-Aguirre et al. 1999:55 [ref. [24550](#)], Compagno & Last 1999:1416 [ref. [24637](#)], Smith-Vaniz et al. 1999:122 [ref. [25013](#)], Compagno 1999:484 [ref. [25589](#)], Compagno in Randall & Lim 2000:581 [ref. [25122](#)], Menni & Stehmann 2000:75 [ref. [24909](#)], Musick et al. 2000:9 [ref. [24959](#)], Camargo & Isaac 2001:144 [ref. [27639](#)], Bilecenoğlu et al. 2002:173 [ref. [26753](#)], Carvalho & McEachran in Reis et al. 2003:18 [ref. [27061](#)], Gomes & Gadig in Menezes et al. 2003:27 [ref. [27192](#)], McEachran & Carvalho 2003:526 [ref. [26985](#)], Manilo & Bogorodsky 2003:S93 [ref. [27377](#)], Bonfil & Abdallah 2004:43 [ref. [27735](#)], Nelson et al. 2004:54 [ref. [27807](#)], Heemstra & Heemstra 2004:76 [ref. [28072](#)], Compagno et al. 2005:58 [ref. [29145](#)], Miller 2006:80 [ref. [28615](#)], Hoese & Gates 2006:171 [ref. [28997](#)], Carvalho et al. 2007:151 [ref. [30012](#)], Fricke et al. 2009:12 [ref. [30213](#)], Matamoros et al. 2009:7 [ref. [31241](#)], Golani & Bogorodsky 2010:57 [ref. [35264](#)], Lipej & Dulčić 2010:12 [ref. [36649](#)], Faria et al. 2012:2 [ref. [32356](#)], Page et al. 2013:54 [ref. [32708](#)], Kottelat 2013:24 [ref. [32989](#)], Angulo et al. 2013:989 [ref. [33194](#)], Palacios-Salgado et al. 2014:236 [ref. [36362](#)], Del Moral-Flores et al. 2016:104 [ref. [34398](#)], Weigmann 2016:81 [ref. [34211](#)], Last et al. 2016:474 [ref. [34473](#)], Séret 2016:1351 [ref. [34545](#)], Last et al. 2016:62 [ref. [34991](#)], Nión et al. 2016:22 [ref. [35565](#)], Ehemann et al. 2018:26 [ref. [36194](#)], Robins et al. 2018:435 [ref. [35886](#)], Ehemann et al. 2019:[6] [ref. [36861](#)]). **Current status:** Valid as *Pristis pectinata* Latham 1794. Pristidae. Distribution: Mediterranean Sea, Atlantic and southwestern Indian Ocean. Habitat: freshwater, brackish, marine.

serra, Pristis Bloch [M. E.] & Schneider [J. G.] 1801:[351], Pl. 70 (upper fig.) [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] As *Pristis pectinata* Latham, Pl. 70 (fig. 1) on p. 351; evidently the name *serra* on plate was not intended. •Synonym of *Pristis pectinata* Latham 1794 -- (Carvalho & McEachran in Reis et al. 2003:18 [ref. [27061](#)] with question, Kottelat 2013:24 [ref. [32919](#)]). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: freshwater, brackish, marine.

woermanni, Pristis Fischer [J. G.] 1884:39 [Jahrbuch der Hamburgischen Wissenschaftlichen Anstalten v. 1; ref. [14381](#)] Cameroon, West Africa. Holotype: ZMH 6278. Type catalog: Wilkens & Dohse 1993:410 [ref. [21161](#)], Thiel et al. 2009:16 [ref. [30918](#)]. Still researching. Carvalho & McEachran in Reis et al. 2003:18 [ref. [27061](#)] place with question under two species as noted above. •Synonym of *Pristis pectinata* Latham 1794 -- (Carvalho & McEachran in Reis et al. 2003:18 [ref. [27061](#)] with question), •Synonym of *Pristis pectinata* Latham 1794 -- (Carvalho & McEachran in Reis et al. 2003:18 [ref. [27061](#)] with question, Kottelat 2013:24 [ref. [32919](#)] with question). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: freshwater, brackish, marine.

PRISTIS PRISTIS

Species that contain: Pristis and pristis (including unavailable names) [30] records

acutirostris, *Pristis* Duméril [A. H. A.] 1865:479 [Histoire naturelle des poissons ou ichthyologie générale v. 1; ref. [1150](#)] Antilles, western Atlantic. Holotype (unique): MNHN A-9476 (stuffed). Type catalog: Bertin 1939:78 [ref. [20739](#)], Séret & McEachran 1987:9 [ref. [9312](#)]. •Synonym of *Pristis pectinata* Latham 1794 -- (Carvalho & McEachran in Reis et al. 2003:18 [ref. [27061](#)], Kottelat 2013:24 [ref. [32989](#)]). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: freshwater, brackish, marine.

anisodon, *Squalus* Lacepède [B. G. E.] 1802:679, 680 [Histoire naturelle des poissons (Lacepède) v. 4; ref. [4929](#)] Australia [as New Holland]. No types known. New name for *Pristis cirratus* Latham 1794. Also appeared in Sonnini 1803:145 [ref. [30464](#)]. •Synonym of *Pristiophorus cirratus* (Latham 1794) -- (Compagno 1984:133 [ref. [6474](#)], Last & Stevens 1994:109 [ref. [23873](#)], Hoese & Gates 2006:162 [ref. [28997](#)]). **Current status:** Synonym of *Pristiophorus cirratus* (Latham 1794). Pristiophoridae. Habitat: brackish, marine.

annandalei, *Pristis* Chaudhuri [B. L.] 1908:391, Fig. [Records of the Indian Museum (Calcutta) v. 2 (pt 4) (art. 37); ref. [14317](#)] Elephant Point, Myanmar coast, northeastern Indian Ocean. Holotype (unique): whereabouts unknown. •Synonym of *Pristis pectinata* Latham 1794 -- (Kottelat 2013:24 [ref. [32919](#)]). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: marine.

antiquorum, *Pristis* Latham [J. F.] 1794:277, Pl. 26 (fig. 1) [The Transactions of the Linnean Society of London v. 2 (art. 25); ref. [2727](#)] [In oceano] no specific locality stated (localities include Marseille, France; Italy; Lesbos Island, Greece; Syria, Mediterranean Sea; Brazil, southwestern Atlantic). No types known. Unnecessary replacement name for *Squalus pristis* Linnaeus 1758. •Synonym of *Pristis pristis* (Linnaeus 1758) -- (Krefft & Stehmann 1973:51 [ref. [7167](#)], Stehmann 1990:53 [ref. [19316](#)], Carvalho & McEachran in Reis et al. 2003:19 [ref. [27061](#)], Faria et al. 2012:11 [ref. [32356](#)]). **Current status:** Synonym of *Pristis pristis* (Linnaeus 1758). Pristidae. Habitat: freshwater, brackish, marine.

canaliculata, *Pristis* Bloch [M. E.] & Schneider [J. G.] 1801:351 [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] No locality stated (localities include Marseille, France; Italy; Lesbos Island, Greece; Syria, Mediterranean Sea; Brazil, southwestern Atlantic). Based on Latham 1794, Pl. 26 (fig. 1), which is *Pristis antiquorum* Latham 1794. Unnecessary replacement name for *Squalus pristis* Linnaeus 1758. •Synonym of *Pristis pristis* (Linnaeus 1758) -- (Krefft & Stehmann 1973:51 [ref. [7167](#)] as *caniculata*, Carvalho & McEachran in Reis et al. 2003:19 [ref. [27061](#)], Faria et al. 2012:11 [ref. [32356](#)]). **Current status:** Synonym of *Pristis pristis* (Linnaeus 1758). Pristidae. Habitat: freshwater, brackish, marine.

cirratus, *Pristis* Latham [J. F.] 1794:281, Pls. 26 (fig. 5), 27 [The Transactions of the Linnean Society of London v. 2 (art. 25); ref. [2727](#)] Port Jackson, New South Wales, Australia, Tasman Sea, southwestern Pacific. Holotype: BMNH. •Valid as *Pristiophorus cirratus* (Latham 1794) -- (Compagno 1984:133 [ref. [6474](#)], Gubanov & Timoxin 1989:226 [ref. [36138](#)], Paxton et al. 1989:39 [ref. [12442](#)], Gomon et al. 1994:149 [ref. [22532](#)], Last & Stevens 1994:109 [ref. [23873](#)], Compagno 1999:475 [ref. [25589](#)], Hutchins 2001:15 [ref. [25847](#)], Compagno et al. 2005:57 [ref. [29145](#)], Hoese & Gates 2006:162 [ref. [28997](#)], White 2008:99 [ref. [30617](#)], Ebert & Cailliet 2011:511 [ref. [31433](#)], Ebert & Wilms 2013:97 [ref. [33035](#)], Weigmann et al. 2014:189 [ref. [33315](#)], Weigmann 2016:71 [ref. [34211](#)]). **Current status:** Valid as *Pristiophorus cirratus* (Latham 1794). Pristiophoridae. Distribution: Australia: Victoria, Tasmania, New South Wales, South Australia and Western Australia. Habitat: brackish, marine.

clavata, *Pristis* Garman [S.] 1906:208 [Bulletin of the Museum of Comparative Zoology v. 46 (no. 11); ref. [1542](#)] Queensland, Australia, Coral Sea, southwestern Pacific. Holotype (unique): MCZ 733-S. Type catalog: Hartel & Dingerkus 1997:xli [ref. [23119](#)]. •Synonym of *Pristis pristis* (Linnaeus 1758) -- (Paxton et al. 1989:58 [ref. [12442](#)]). •Mention -- (Stehmann 1990:54 [ref. [19316](#)]). •Valid as *Pristis clavata* Garman 1906 -- (Last & Stevens 1994:362 [ref. [23873](#)], Compagno & Last 1999:1414 [ref. [12442](#)]).

[24637](#)], Compagno 1999:484 [ref. [25589](#)], Hutchins 2001:15 [ref. [25847](#)], Morgan et al. 2004:151 [ref. [27718](#)], Hoese & Gates 2006:171 [ref. [28997](#)], Thorburn et al. 2007:36 [ref. [29328](#)], Morgan et al. 2011:21 [ref. [31262](#)], Duffy et al. 2011:65 [ref. [31668](#)], Faria et al. 2012:2 [ref. [32356](#)], Larson et al. 2013:16 [ref. [32988](#)], Weigmann 2016:81 [ref. [34211](#)], Last et al. 2016:474 [ref. [34473](#)], Last et al. 2016:61 [ref. [34991](#)], White et al. 2017:194 [ref. [35860](#)], White & Ko'ou 2018:45 [ref. [35922](#)]). **Current status:** Valid as *Pristis clavata* Garman 1906. Pristidae. Distribution: Papua New Guinea, Northern Australia and Indo-West Pacific [ref. 34991]. Habitat: brackish, marine.

cuspidatus, Pristis Latham [J. F.] 1794:279, Pl. 26 (fig. 3) [The Transactions of the Linnean Society of London v. 2 (art. 25); ref. [2727](#)] Malabar, India, Indian Ocean. Neotype: MNHN 0000-1250. Type catalog: Séret & McEachran 1987:9 [ref. [9312](#)] with neotype established by reference to Dingerkus in press; neotype questioned by Kottelat 2013:23 [ref. [32989](#)]. •Valid as *Pristis cuspidatus* Latham 1794 -- (Dor 1984:13 [ref. [29757](#)] as *cuspidata*, Nakaya in Masuda et al. 1984:12 [ref. [6441](#)], Allen & Swainston 1988:24 [ref. [25477](#)], Mohsin & Ambak 1996:71 [ref. [27969](#)], Morón et al. 1999:154 [ref. [24253](#)]). •Valid as *Anoxypristis cuspidata* (Latham 1794) -- (Paxton et al. 1989:58 [ref. [12442](#)], Talwar & Jhingran 1991:32 [ref. [20764](#)], Last & Stevens 1994:361 [ref. [23873](#)], Goren & Dor 1994:4 [ref. [25356](#)], Randall 1995:39 [ref. [22896](#)], Allen 1997:44 [ref. [23977](#)], Compagno & Last 1999:1413 [ref. [24637](#)], Vossoughi & Vosoughi 1999:302 [ref. [25467](#)], Compagno 1999:484 [ref. [25589](#)], Compagno in Randall & Lim 2000:581 [ref. [25122](#)], Hutchins 2001:15 [ref. [25847](#)], Carvalho & McEachran in Reis et al. 2003:17 [ref. [27061](#)] but status uncertain, Manilo & Bogorodsky 2003:S93 [ref. [27377](#)], Bonfil & Abdallah 2004:43 [ref. [27735](#)], Compagno et al. 2005:57 [ref. [29145](#)], Hoese & Gates 2006:170 [ref. [28997](#)], Last et al. 2010:140 [ref. [32461](#)], Duffy et al. 2011:65 [ref. [31668](#)], Faria et al. 2012:2 [ref. [32356](#)], Larson et al. 2013:15 [ref. [32988](#)], Kottelat 2013:23 [ref. [32989](#)], Ebert et al. 2013:345 [ref. [33045](#)], Psomadakis et al. 2015:95 [ref. [34104](#)], Weigmann 2016:81 [ref. [34211](#)], Last et al. 2016:473 [ref. [34473](#)], Last et al. 2016:60 [ref. [34991](#)], White et al. 2017:192 [ref. [35860](#)], Ali et al. 2018:303 [ref. [36183](#)], Golani & Fricke 2018:13 [ref. [36273](#)], Kumar et al. 2018:297 [ref. [36178](#)], White & Ko'ou 2018:45 [ref. [35922](#)]). **Current status:** Valid as *Anoxypristis cuspidata* (Latham 1794). Pristidae. Distribution: Red Sea, Indo-West Pacific: East Africa and Persian Gulf east to Philippines and New Guinea, north to southern Japan, south to northern Australia. Habitat: brackish, marine.

dubius, Pristis Bleeker [P.] 1852:56, Pl. 4 (fig. 11) [Verhandelingen van het Bataviaasch Genootschap van Kunsten en Wetenschappen. v. 24 (art. 12); ref. [333](#)] No locality stated (is Indonesia). RMNH D7418. Bleeker specimens: MNHN 0000-1226 (1). Misspelled *dubia* on Pl. 4, as *dubius* elsewhere. For type information see van Oijen et al. 2007:37 [ref. [29153](#)]. •Synonym of *Pristis zijnsron* Bleeker 1851 -- (van Oijen et al. 2007:37, 44 [ref. [29153](#)], Last et al. 2010:145 [ref. [32461](#)], Kottelat 2013:24 [ref. [32989](#)] as *dubia*). **Current status:** Synonym of *Pristis zijnsron* Bleeker 1851. Pristidae. Habitat: freshwater, brackish, marine.

granulosa, Pristis Bloch [M. E.] & Schneider [J. G.] (ex Parra) 1801:352 [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] Havana, Cuba, Gulf of Mexico, western Atlantic. No types known. Based on the 'Pez de Espada' of Parra 1787:75, Pl. 33 [ref. [6840](#)]. •Synonym of *Pristis pectinata* Latham 1794 -- (Krefft & Stehmann 1973:52 [ref. [7167](#)], Stehmann 1990:52 [ref. [19316](#)], Carvalho & McEachran in Reis et al. 2003:18 [ref. [27061](#)], Kottelat 2013:24 [ref. [32989](#)]). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: freshwater, brackish, marine.

higginsii, Myriosteon Gray [J. E.] 1864:164, Figs. 1-5 [Proceedings of the Zoological Society of London 1864 (pt 2) (art. 2) (for 12 Apr. 1864); ref. [1888](#)] Unknown locality. Described as an echinoderm, but based on a tube from the rostral cartilage of a *Pristis* (Jordan 1919:332 [ref. [4904](#)]). Pristidae.

leichhardti, Pristiopsis Whitley [G. P.] 1945:44, Fig. 1 [Australian Zoologist v. 11 (pt 1); ref. [13156](#)] Lynd River, northern Queensland, Australia. Holotype (unique): whereabouts unknown. Based on *Pristis* of Leichardt 1846, Journ. Roy. Geogr. Soc. London v. 16, p. 223. •Synonym of *Pristis micron* Latham 1794 -- (Last & Stevens 1994:365 [ref. [23873](#)], Compagno & Last 1999:1415 [ref. [24637](#)], with question). •Synonym of *Pristis clavata* Garman 1906 -- (Hoese & Gates 2006:171 [ref.

[28997](#)). •Synonym of *Pristis microdon* Latham 1794 -- (Kottelat 2013:24 [ref. [32989](#)]). •Synonym of *Pristis pristis* (Linnaeus 1758) -- (Paxton et al. 1989:58 [ref. [12442](#)], Faria et al. 2012:11 [ref. [32356](#)]).
Current status: Synonym of *Pristis pristis* (Linnaeus 1758). Pristidae. Habitat: brackish, marine.

leptodon, *Pristis* Duméril [A. H. A.] 1865:480 [Histoire naturelle des poissons ou ichthyologie générale v. 1; ref. [1150](#)] Red Sea. Syntypes: MNHN 0000-3485 (1, stuffed and mounted), 0000-3486 (1, skin). Type catalog: Bertin 1939:78 [ref. [20739](#)], Séret & McEachran 1987:9 [ref. [9312](#)]. •Synonym of *Pristis pectinata* Latham 1794 -- (Dor 1984:13 [ref. [29757](#)]). •Synonym of *Pristis zijsron* Bleeker 1851 -- (Kottelat 2013:24 [ref. [32989](#)]). **Current status:** Synonym of *Pristis zijsron* Bleeker 1851. Pristidae. Habitat: freshwater, brackish, marine.

megalodon, *Pristis* Duméril [A. H. A.] 1865:476, Pl. 9 (fig. 4) [Histoire naturelle des poissons ou ichthyologie générale v. 1; ref. [1150](#)] No locality stated (is Cayenne, French Guiana). Holotype (unique): MNHN 0000-3483 (rostrum). Type catalog: Bertin 1939:78 [ref. [20739](#)] as MNHN 3484, Séret & McEachran 1987:9 [ref. [9312](#)]. •Synonym of *Pristis pectinata* Latham 1794 -- (Carvalho & McEachran in Reis et al. 2003:18 [ref. [27061](#)], Kottelat 2013:24 [ref. [32989](#)]). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: freshwater, brackish, marine.

microdon, *Pristis* Latham [J. F.] 1794:280, Pl. 26 (fig. 4) [The Transactions of the Linnean Society of London v. 2 (art. 25); ref. [2727](#)] No locality stated. Holotype (unique): Museum Parkinson (whereabouts unknown). •Valid as *Pristis microdon* Latham 1794 -- (Krefft & Stehmann 1973:51 [ref. [7167](#)], Roberts 1978:26 [ref. [8886](#)], Daget 1984:3 [ref. [6170](#)], Compagno 1986:110 [ref. [5648](#)], Allen & Swainston 1988:24 [ref. [25477](#)], Stehmann 1990:51 [ref. [19316](#)], Allen & Coates 1990:51 [ref. [25561](#)], Allen 1991:36 [ref. [21090](#)], Talwar & Jhingran 1991:34 [ref. [20764](#)], Cervigón 1992:204 [ref. [23827](#)], Allen et al. 1992:297 [ref. [21400](#)], Skelton 1993:345 [ref. [24071](#)], Last & Stevens 1994:364 [ref. [23873](#)], Poll & Gosse 1995:24 [ref. [24781](#)], Compagno 1995:110 [ref. [21955](#)], Castro-Aguirre & Espinosa Pérez 1996:16 [ref. [22793](#)], Rainboth 1996:52 [ref. [22772](#)], Allen 1997:44 [ref. [23977](#)], Tan & Lim 1998:427 [ref. [23648](#)], Fricke 1999:28 [ref. [24106](#)], Morón et al. 1999:153 [ref. [24253](#)], Castro-Aguirre et al. 1999:55 [ref. [24550](#)], Compagno & Last 1999:1415 [ref. [24637](#)], Compagno 1999:484 [ref. [25589](#)], Nakabo 2000:158 [ref. [25086](#)], Compagno in Randall & Lim 2000:581 [ref. [25122](#)], Rafique 2000:327 [ref. [25220](#)], Kottelat 2001:25 [ref. [25780](#)], Hutchins 2001:15 [ref. [25847](#)], Skelton 2001:345 [ref. [27406](#)], Allen et al. 2002:330 [ref. [25930](#)], Nakabo 2002:158 [ref. [26001](#)], Taniuchi et al. 2003:237 [ref. [27369](#)], Morgan et al. 2004:151 [ref. [27718](#)], Heemstra & Heemstra 2004:75 [ref. [28072](#)], Compagno et al. 2005:58 [ref. [29145](#)], Hoese & Gates 2006:171 [ref. [28997](#)], Thorburn et al. 2007:27 [ref. [29328](#)], Allen et al. 2008:25 [ref. [30265](#)], Fricke et al. 2009:11 [ref. [30213](#)], Last et al. 2010:142 [ref. [32461](#)], Morgan et al. 2011:21 [ref. [31262](#)], Duffy et al. 2011:65 [ref. [31668](#)], Marshall 2011:269 [ref. [31755](#)], Larson et al. 2013:16 [ref. [32988](#)], Kottelat 2013:24 [ref. [32989](#)]). •Synonym of *Pristis pristis* (Linnaeus 1758) -- (Paxton et al. 1989:58 [ref. [12442](#)], Séret in Lévêque et al. 1990:60 [ref. [21589](#)], Kottelat et al. 1993:1 [ref. [23448](#)], Faria et al. 2012:11 [146] [ref. [32356](#)], Palacios-Salgado et al. 2014:236 [ref. [36362](#)], Weigmann 2016:81 [ref. [34211](#)], Séret 2016:1352 [ref. [34545](#)]). **Current status:** Synonym of *Pristis pristis* (Linnaeus 1758). Pristidae. Habitat: freshwater, brackish, marine.

mississippiensis, *Pristis* Rafinesque [C. S.] 1820:86 [Ichthyologia Ohiensis; ref. [3592](#)] Mississippi River, Lake Pontchartrain, Red River, Arkansas River, Mobile River, and Ohio River, U.S.A. See Markle 1997:440 [ref. [23370](#)]. •Probably a synonym of *Pristis pristis* (Linnaeus 1758) -- (Carvalho & McEachran in Reis et al. 2003:19 [ref. [27061](#)]). **Current status:** Uncertain as *Pristis pristis* (Linnaeus 1758). Pristidae. Habitat: freshwater, brackish, marine.

occa, *Pristobatus* Duméril [A. H. A.] 1865:479 [Histoire naturelle des poissons ou ichthyologie générale v. 1; ref. [1150](#)] Unknown locality. Holotype (unique): whereabouts unknown. •Synonym of *Pristis pectinata* Latham 1794 -- (Carvalho & McEachran in Reis et al. 2003:18 [ref. [27061](#)] with question, Kottelat 2013:24 [ref. [32989](#)]). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: freshwater, brackish, marine.

pectinatus, *Pristis* Latham [J. F.] 1794:278, Pl. 26 (fig. 2) [The Transactions of the Linnean Society of London v. 2 (art. 25); ref. [2727](#)] Ocean. No types known. Based on multiple historical authors. •Valid as *Pristis pectinatus* Latham 1794 -- (Villa 1982:65 [ref. [36708](#)], Bussing & López S. 1994:24 [ref. [23101](#)]). •Valid as *Pristis pectinata* Latham 1794 -- (Krefft & Stehmann 1973:51 [ref. [7167](#)], Dor 1984:13 [ref. [29757](#)], Stehmann & Bürkel in Whitehead et al. 1984:154 [ref. [13675](#)], Compagno 1986:111 [ref. [5648](#)], Robins & Ray 1986:35 [ref. [23100](#)], Stehmann 1990:52 [ref. [19316](#)], Talwar & Jhingran 1991:34 [ref. [20764](#)], Boschung 1992:25 [ref. [23239](#)], Cervigón 1992:205 [ref. [23827](#)], Allen & Robertson 1994:31 [ref. [22193](#)], Last & Stevens 1994:365 [ref. [23873](#)], Poll & Gosse 1995:75 [ref. [24781](#)], Goren & Dor 1994:4 [ref. [25356](#)], Compagno 1995:111 [ref. [21955](#)], Castro-Aguirre & Espinosa Pérez 1996:15 [ref. [22793](#)], Murdy et al. 1997:36 [ref. [23144](#)], McEachran & Fechhelm 1998:136 [ref. [23897](#)], Aguilera 1998:45 [ref. [24221](#)], Chirichigno F. & Vélez D. 1998:62 [ref. [24555](#)], Fricke 1999:28 [ref. [24106](#)], Cervigón & Alcalá 1999:147 [ref. [24490](#)], Castro-Aguirre et al. 1999:55 [ref. [24550](#)], Compagno & Last 1999:1416 [ref. [24637](#)], Smith-Vaniz et al. 1999:122 [ref. [25013](#)], Compagno 1999:484 [ref. [25589](#)], Compagno in Randall & Lim 2000:581 [ref. [25122](#)], Menni & Stehmann 2000:75 [ref. [24909](#)], Musick et al. 2000:9 [ref. [24959](#)], Camargo & Isaac 2001:144 [ref. [27639](#)], Bilecenoğlu et al. 2002:173 [ref. [26753](#)], Carvalho & McEachran in Reis et al. 2003:18 [ref. [27061](#)], Gomes & Gadig in Menezes et al. 2003:27 [ref. [27192](#)], McEachran & Carvalho 2003:526 [ref. [26985](#)], Manilo & Bogorodsky 2003:S93 [ref. [27377](#)], Bonfil & Abdallah 2004:43 [ref. [27735](#)], Nelson et al. 2004:54 [ref. [27807](#)], Heemstra & Heemstra 2004:76 [ref. [28072](#)], Compagno et al. 2005:58 [ref. [29145](#)], Miller 2006:80 [ref. [28615](#)], Hoese & Gates 2006:171 [ref. [28997](#)], Carvalho et al. 2007:151 [ref. [30012](#)], Fricke et al. 2009:12 [ref. [30213](#)], Matamoros et al. 2009:7 [ref. [31241](#)], Golani & Bogorodsky 2010:57 [ref. [35264](#)], Lipej & Dulčić 2010:12 [ref. [36649](#)], Faria et al. 2012:2 [ref. [32356](#)], Page et al. 2013:54 [ref. [32708](#)], Kottelat 2013:24 [ref. [32989](#)], Angulo et al. 2013:989 [ref. [33194](#)], Palacios-Salgado et al. 2014:236 [ref. [36362](#)], Del Moral-Flores et al. 2016:104 [ref. [34398](#)], Weigmann 2016:81 [ref. [34211](#)], Last et al. 2016:474 [ref. [34473](#)], Séret 2016:1351 [ref. [34545](#)], Last et al. 2016:62 [ref. [34991](#)], Niõn et al. 2016:22 [ref. [35565](#)], Ehemann et al. 2018:26 [ref. [36194](#)], Robins et al. 2018:435 [ref. [35886](#)], Ehemann et al. 2019:[6] [ref. [36861](#)]). **Current status:** Valid as *Pristis pectinata* Latham 1794. Pristidae. Distribution: Mediterranean Sea, Atlantic and southwestern Indian Ocean. Habitat: freshwater, brackish, marine.

perotteti, *Pristis* Müller [J.] & Henle [F. G. J.] (ex Valenciennes) 1841:108, 192 [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Senegal, West Africa, in fresh water. Holotype (unique): MNHN (1, 107 cm) not found. Non-type: MNHN A-9699 (1, mounted female). Type catalog: Bertin 1939:77-78 [ref. [20739](#)] with A.9699 as paratype, but original description was based on "Ein Exemplar", a dry male specimen. *Pristis perotteti* is a misspelling. Misspelled *Pristis perroteti* by Pellegrin 1921:635 [ref. [30437](#)]. •Synonym of *Pristis microdon* Latham 1794 -- (Krefft & Stehmann 1973:51 [ref. [7167](#)], Daget 1984:3 [ref. [6170](#)], Bussing 1987:60 [ref. [22927](#)], Stehmann 1990:51 [ref. [19316](#)], Castro-Aguirre & Espinosa Pérez 1996:16 [ref. [22793](#)], Compagno & Last 1999:1415 [ref. [24637](#)]). •Valid as *Pristis perotteti* Müller & Henle 1841 -- (Villa 1982:65 [ref. [36708](#)], Allen & Robertson 1994:31 [ref. [22193](#)], Bussing & López S. 1994:24 [ref. [23101](#)], Aguilera 1998:45 [ref. [24221](#)] as *perotteti*, Chirichigno F. & Vélez D. 1998:62 [ref. [24555](#)], Cervigón & Alcalá 1999:148 [ref. [24490](#)], Castro-Aguirre et al. 1999:56 [ref. [24550](#)], Compagno 1999:485 [ref. [25589](#)], Menni & Stehmann 2000:75 [ref. [24909](#)], Musick et al. 2000:9 [ref. [24959](#)], Camargo & Isaac 2001:144 [ref. [27639](#)] as *perotteti*, Kottelat 2013:24 [ref. [32989](#)] with question). •Synonym of *Pristis pristis* (Linnaeus 1758) - (Séret in Lévêque et al. 1990:60 [ref. [21589](#)], Carvalho & McEachran in Reis et al. 2003:19 [ref. [27061](#)], Faria et al. 2012:11 [146] [ref. [32356](#)], Weigmann 2016:81 [ref. [34211](#)], Séret 2016:1352 [ref. [34545](#)]). **Current status:** Synonym of *Pristis pristis* (Linnaeus 1758). Pristidae. Habitat: freshwater, brackish, marine.

pristis, *Ctenocheirodon* Malabarba [L. R.] & Jerep [F. C.] 2012:245, Figs. 1-4 [Copeia 2012 (no. 2); ref. [32057](#)] Rio Tocantins basin, affluent of Rio Paranã, 13°48'48.5"S, 46°52'13"W, Nova Roma, Goiás, Brazil. Holotype: UFRGS 15606. Paratypes: many at MCP, MZUSP, NEAMB-UFT, UFRGS, UNT, USNM. . •Valid as *Ctenocheirodon pristis* Malabarba & Jerep 2012 -- (Malabarba & Jerep 2014:76 [ref. [33440](#)]). **Current status:** Valid as *Ctenocheirodon pristis* Malabarba & Jerep 2012. Characidae: Cheirodontinae. Distribution: Tocantins-Araguaia River basins, Brazil. Habitat: freshwater.

pristis, Muraenesox Kaup [J. J.] 1856:74 [Archiv für Naturgeschichte v. 22 (pt. 1); ref. [2572](#)] Asia. Syntypes: MNHN 0000-8445 (1) Malabar; RMNH (2). Type catalog: Bauchot et al. 1993:118 [ref. [20810](#)]. Also in Kaup 1856:116 [ref. [2573](#)]. •Synonym of *Congresox talabonoides* (Bleeker 1852) -- (Kottelat 2013:48 [ref. [32989](#)]). **Current status:** Synonym of *Congresox talabonoides* (Bleeker 1852). Muraenesocidae. Habitat: brackish, marine.

pristis, Pegasus Bleeker [P.] 1852:606 [Natuurkundig Tijdschrift voor Nederlandsch Indië v. 3 (no. 4); ref. [334](#)] Padang, Sumatra, Indonesia. Syntypes: (5). •Synonym of *Pegasus volitans* Linnaeus 1758 -- (Palsson & Pietsch 1989:25 [ref. [13536](#)], Lindberg et al. 1997:252 [ref. [23547](#)], Osterhage et al. 2016:12 [ref. [34325](#)]). **Current status:** Synonym of *Pegasus volitans* Linnaeus 1758. Pegasidae. Habitat: marine.

pristis, Platycephalus Peters [W. (C. H.)] 1855:433 [Bericht über die zur Bekanntmachung geeigneten Verhandlungen der Königlichen Preussischen Akademie der Wissenschaften zu Berlin 1855; ref. [3449](#)] Mozambique, 15°S. Holotype: ZMB 736. Type catalog: Paepke & Fricke 1992:279 [ref. [19946](#)]. Also described as new in Peters 1855:240 [ref. [13448](#)]. •Valid as *Platycephalus pristis* Peters 1855 -- (Dor 1984:91 [ref. [29757](#)]). •Synonym of *Thysanophrys celebica* (Bleeker 1855) -- (Knapp 1986:485 [ref. [5683](#)]). **Current status:** Synonym of *Thysanophrys celebica* (Bleeker 1855). Platycephalidae. Habitat: marine.

pristis, Polyodon Rafinesque [C. S.] 1818:354 [American Monthly Magazine and Critical Review v. 3 (no. 5) (art. 3) (Sept.); ref. [3586](#)] Not available, name only; from the Ohio River, U.S.A. Polyodontidae.

pristis, Squalus Linnaeus [C.] 1758:235 [Systema Naturae, Ed. X v. 1; ref. [2787](#)] Mediterranean Sea, Indian Ocean, western Atlantic [original: "in Europa"]; localities include Marseille, France; Italy; Lesbos Island, Greece; Syria; Brazil. No types known. Lectotype or neotype fixation needed. Originally based on multiple species and at least 32 pre-Linnaean sources including Artedi 1738:66 [ref. [30578](#)] and Artedi 1738:93 [ref. [30349](#)] as *Squalus rostro longo cuspidato osseo plano utrinque dentato*; Rondelet 1554:487 [ref. [30354](#)] as *Prist(is)*, L'Écluse & Belon 1605:135 [ref. [30583](#)] as *Pristis sive serra*, Jonston 1649:217 [ref. [30579](#)] as *Pust(is)*, Charleton 1668:168 [ref. [30580](#)] as *Pristis, serra*, Willughby 1686:61 [ref. [30164](#)] and Ray 1713:23 [ref. [30231](#)] as *Pristis sive serra piscis*. •Valid as *Pristis pristis* (Linnaeus 1758) -- (Krefft & Stehmann 1973:51 [ref. [7167](#)], Stehmann & Bürkel in Whitehead et al. 1984:154 [ref. [13675](#)], Robins & Ray 1986:35 [ref. [23100](#)], Paxton et al. 1989:58 [ref. [12442](#)], Stehmann 1990:53 [ref. [19316](#)], Séret in Lévêque et al. 1990:60 [ref. [21589](#)], Boschung 1992:25 [ref. [23239](#)], Kottelat et al. 1993:1 [ref. [23448](#)], Poll & Gosse 1995:75 [ref. [24781](#)], McEachran & Notarbartolo-di-Sciara in Fischer et al. 1995:772 [ref. [22829](#)], McEachran & Fechhelm 1998:137 [ref. [23897](#)], Bussing 1998:53 [ref. [24179](#)], Chirichigno F. & Vélez D. 1998:62 [ref. [24555](#)], Bilecenoğlu et al. 2002:173 [ref. [26753](#)], Carvalho & McEachran in Reis et al. 2003:19 [ref. [27061](#)], Gomes & Gadig in Menezes et al. 2003:27 [ref. [27192](#)], McEachran & Carvalho 2003:526 [ref. [26985](#)], Nelson et al. 2004:54 [ref. [27807](#)], Miller 2006:81 [ref. [28615](#)], Carvalho et al. 2007:151 [ref. [30012](#)], Faria et al. 2012:11 [ref. [32356](#)], Angulo et al. 2013:989 [ref. [33194](#)], Page et al. 2013:54 [ref. [32708](#)], Barriga S. 2014:104 [ref. [35745](#)], Morgan et al. 2014:35 [ref. [36567](#)], Palacios-Salgado et al. 2014:236 [ref. [36362](#)], Psomadakis et al. 2015:95 [ref. [34104](#)], Del Moral-Flores et al. 2016:104 [ref. [34398](#)], Last et al. 2016:474 [ref. [34473](#)], Last et al. 2016:63 [ref. [34991](#)], Miesen et al. 2016:80 [ref. [34492](#)], Séret 2016:1352 [ref. [34545](#)], Weigmann 2016:81 [ref. [34211](#)], White et al. 2017:196 [ref. [35860](#)], Ehemann et al. 2018:26 [ref. [36194](#)], Fricke et al. 2018:22 [ref. [35805](#)], Kumar et al. 2018:297 [ref. [36178](#)], White & Ko'ou 2018:45 [ref. [35922](#)], Ehemann et al. 2019:[6] [ref. [36861](#)]). **Current status:** Valid as *Pristis pristis* (Linnaeus 1758). Pristidae. Distribution: Circumglobal in tropical and warm temperate seas (including Caribbean Sea). Habitat: freshwater, brackish, marine.

serra, Pristis Bloch [M. E.] & Schneider [J. G.] 1801:[351], Pl. 70 (upper fig.) [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] As *Pristis pectinata* Latham, Pl. 70 (fig. 1) on p. 351; evidently the name *serra* on plate was not intended. •Synonym of *Pristis pectinata* Latham 1794 -- (Carvalho & McEachran in Reis et al. 2003:18 [ref. [27061](#)] with question, Kottelat 2013:24 [ref. [32919](#)]). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: freshwater, brackish, marine.

typica, *Pristis* Poey [F.] 1861:360 [Memorias sobre la historia natural de la Isla de Cuba v. 2; ref. [3499](#)] Unneeded replacement name for *Squalis pristis* Linnaeus 1758. •Objective synonym of *Pristis pristis* (Linnaeus 1758) -- (Carvalho & McEachran in Reis et al. 2003:19 [ref. [27061](#)]). **Current status:** Synonym of *Pristis pristis* (Linnaeus 1758). Pristidae. Habitat: freshwater, brackish, marine.

woermanni, *Pristis* Fischer [J. G.] 1884:39 [Jahrbuch der Hamburgischen Wissenschaftlichen Anstalten v. 1; ref. [14381](#)] Cameroon, West Africa. Holotype: ZMH 6278. Type catalog: Wilkens & Dohse 1993:410 [ref. [21161](#)], Thiel et al. 2009:16 [ref. [30918](#)]. Still researching. Carvalho & McEachran in Reis et al. 2003:18 [ref. [27061](#)] place with question under two species as noted above. •Synonym of *Pristis pectinata* Latham 1794 -- (Carvalho & McEachran in Reis et al. 2003:18 [ref. [27061](#)] with question), •Synonym of *Pristis pectinata* Latham 1794 -- (Carvalho & McEachran in Reis et al. 2003:18 [ref. [27061](#)] with question, Kottelat 2013:24 [ref. [32919](#)] with question). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: freshwater, brackish, marine.

zephyreus, *Pristis* Jordan [D. S.] & Starks [E. C.] in Jordan 1895:383 [Proceedings of the California Academy of Sciences (Series 2) v. 5; ref. [2394](#)] Mouth of Río Presidio, Sinaloa, Mexico. Holotype (unique): CAS-SU 12670 (skin). •Synonym of *Pristis perotteti* Müller & Henle 1841 -- (Allen & Robertson 1994:31 [ref. [22193](#)], Chirichigno F. & Vélez D. 1998:62 [ref. [24555](#)]). •Synonym of *Pristis microdon* Latham 1794 -- (Castro-Aguirre & Espinosa Pérez 1996:16 [ref. [22793](#)], Castro-Aguirre et al. 1999:56 [ref. [24550](#)], Compagno & Last 1999:1415 [ref. [24637](#)], with question). •Synonym of *Pristis pristis* (Linnaeus 1758) -- (Carvalho & McEachran in Reis et al. 2003:19 [ref. [27061](#)], Faria et al. 2012:11 [ref. [32356](#)], Del Moral-Flores et al. 2016:104 [ref. [34398](#)]). **Current status:** Synonym of *Pristis pristis* (Linnaeus 1758). Pristidae. Habitat: freshwater, brackish, marine.

zwijsron, *Pristis* Bleeker [P.] 1851:442 [Natuurkundig Tijdschrift voor Nederlandsch Indië v. 2 (no. 3); ref. [16897](#)] Bandjarmasin, Borneo, Indonesia. Holotype (unique): RMNH 7418 (saw only). •Valid as *Pristis zwijsron* Bleeker 1851-- (Compagno 1986:111 [ref. [5648](#)], Allen & Swainston 1988:24 [ref. [25477](#)], Allen & Swainston 1988:24 [ref. [25477](#)], Paxton et al. 1989:59 [ref. [12442](#)], Last & Stevens 1994:366 [ref. [23873](#)], Compagno 1995:111 [ref. [21955](#)], Randall 1995:40 [ref. [22896](#)], Allen 1997:44 [ref. [23977](#)], Fricke 1999:28 [ref. [24106](#)], Morón et al. 1999:154 [ref. [24253](#)], Compagno & Last 1999:1417 [ref. [24637](#)], Johnson 1999:718 [ref. [25471](#)], Compagno in Randall & Lim 2000:581 [ref. [25122](#)], Hutchins 2001:15 [ref. [25847](#)], Manilo & Bogorodsky 2003:S93 [ref. [27377](#)], Bonfil & Abdallah 2004:43 [ref. [27735](#)], Heemstra & Heemstra 2004:76 [ref. [28072](#)], Compagno et al. 2005:58 [ref. [29145](#)], Hoese & Gates 2006:172 [ref. [28997](#)], Last et al. 2010:144 [ref. [32461](#)], Duffy et al. 2011:65 [ref. [31668](#)], Faria et al. 2012:2 [ref. [32356](#)], Larson et al. 2013:16 [ref. [32988](#)], Kottelat 2013:24 [ref. [32989](#)], Psomadakis et al. 2015:95 [ref. [34104](#)], Weigmann 2016:82 [ref. [34211](#)], Last et al. 2016:474 [ref. [34473](#)], Last et al. 2016:64 [ref. [34991](#)], White et al. 2017:198 [ref. [35860](#)], Kumar et al. 2018:297 [ref. [36178](#)], Golani & Fricke 2018:14 [ref. [36273](#)], White & Ko'ou 2018:46 [ref. [35922](#)]). **Current status:** Valid as *Pristis zwijsron* Bleeker 1851. Pristidae. Distribution: Red Sea, Indo-West Pacific: South and East Africa and Persian Gulf east to Philippines and New Guinea, north to southern China, south to New South Wales (Australia). Habitat: freshwater, brackish, marine.

PRISTIS ZIJSRON

Species that contain: *Pristis* and *zwijsron* (including unavailable names) [**3**] records

dubius, *Pristis* Bleeker [P.] 1852:56, Pl. 4 (fig. 11) [Verhandelingen van het Bataviaasch Genootschap van Kunsten en Wetenschappen. v. 24 (art. 12); ref. [333](#)] No locality stated (is Indonesia). RMNH D7418. Bleeker specimens: MNHN 0000-1226 (1). Misspelled *dubia* on Pl. 4, as *dubius* elsewhere. For type information see van Oijen et al. 2007:37 [ref. [29153](#)]. •Synonym of *Pristis*

zijsron Bleeker 1851 -- (van Oijen et al. 2007:37, 44 [ref. [29153](#)], Last et al. 2010:145 [ref. [32461](#)], Kottelat 2013:24 [ref. [32989](#)] as *dubia*). **Current status:** Synonym of *Pristis zijsron* Bleeker 1851. Pristidae. Habitat: freshwater, brackish, marine.

leptodon, Pristis Duméril [A. H. A.] 1865:480 [Histoire naturelle des poissons ou ichthyologie générale v. 1; ref. [1150](#)] Red Sea. Syntypes: MNHN 0000-3485 (1, stuffed and mounted), 0000-3486 (1, skin). Type catalog: Bertin 1939:78 [ref. [20739](#)], Séret & McEachran 1987:9 [ref. [9312](#)]. •Synonym of *Pristis pectinata* Latham 1794 -- (Dor 1984:13 [ref. [29757](#)]). •Synonym of *Pristis zijsron* Bleeker 1851 -- (Kottelat 2013:24 [ref. [32989](#)]). **Current status:** Synonym of *Pristis zijsron* Bleeker 1851. Pristidae. Habitat: freshwater, brackish, marine.

zijsron, Pristis Bleeker [P.] 1851:442 [Natuurkundig Tijdschrift voor Nederlandsch Indië v. 2 (no. 3); ref. [16897](#)] Bandjarmasin, Borneo, Indonesia. Holotype (unique): RMNH 7418 (saw only). •Valid as *Pristis zijsron* Bleeker 1851-- (Compagno 1986:111 [ref. [5648](#)], Allen & Swainston 1988:24 [ref. [25477](#)], Allen & Swainston 1988:24 [ref. [25477](#)], Paxton et al. 1989:59 [ref. [12442](#)], Last & Stevens 1994:366 [ref. [23873](#)], Compagno 1995:111 [ref. [21955](#)], Randall 1995:40 [ref. [22896](#)], Allen 1997:44 [ref. [23977](#)], Fricke 1999:28 [ref. [24106](#)], Morón et al. 1999:154 [ref. [24253](#)], Compagno & Last 1999:1417 [ref. [24637](#)], Johnson 1999:718 [ref. [25471](#)], Compagno in Randall & Lim 2000:581 [ref. [25122](#)], Hutchins 2001:15 [ref. [25847](#)], Manilo & Bogorodsky 2003:S93 [ref. [27377](#)], Bonfil & Abdallah 2004:43 [ref. [27735](#)], Heemstra & Heemstra 2004:76 [ref. [28072](#)], Compagno et al. 2005:58 [ref. [29145](#)], Hoese & Gates 2006:172 [ref. [28997](#)], Last et al. 2010:144 [ref. [32461](#)], Duffy et al. 2011:65 [ref. [31668](#)], Faria et al. 2012:2 [ref. [32356](#)], Larson et al. 2013:16 [ref. [32988](#)], Kottelat 2013:24 [ref. [32989](#)], Psomadakis et al. 2015:95 [ref. [34104](#)], Weigmann 2016:82 [ref. [34211](#)], Last et al. 2016:474 [ref. [34473](#)], Last et al. 2016:64 [ref. [34991](#)], White et al. 2017:198 [ref. [35860](#)], Kumar et al. 2018:297 [ref. [36178](#)], Golani & Fricke 2018:14 [ref. [36273](#)], White & Ko'ou 2018:46 [ref. [35922](#)]). **Current status:** Valid as *Pristis zijsron* Bleeker 1851. Pristidae. Distribution: Red Sea, Indo-West Pacific: South and East Africa and Persian Gulf east to Philippines and New Guinea, north to southern China, south to New South Wales (Australia). Habitat: freshwater, brackish, marine.

RHINCODONTIDAE

RHINCODON TYPUS

Species that contain: Rhincodon and typus (including unavailable names) [**5**] records

pentalineatus, Rhinodon Kishinouye [K.] 1901:694, Figs. 1-2 [Zoologischer Anzeiger v. 24 (no. 657/658); ref. [14762](#)] Cape Inubo, Japan. Holotype (unique): whereabouts unknown. Specimen originally in private collection of T. Oseko. •Synonym of *Rhincodon typus* Smith 1828 -- (Compagno 1984:210 [ref. [6474](#)], Compagno 2001:203 [ref. [26323](#)], Dylidin 2015:45 [ref. [34524](#)]). **Current status:** Synonym of *Rhincodon typus* Smith 1828. Rhincodontidae. Habitat: marine.

punctatus, Micristodus Gill [T. N.] 1865:177 [Proceedings of the Academy of Natural Sciences of Philadelphia v. 17; ref. [1711](#)] Gulf of California, Mexico. Holotype (unique): USNM 231756 (jaws, vertebrae not found). Type catalog: Howe & Springer 1993:12 [ref. [21812](#)]. •Synonym of *Rhincodon typus* Smith 1828 -- (Compagno 1984:210 [ref. [6474](#)], Goto 2001:82 [ref. [25912](#)], Compagno 2001:203 [ref. [26323](#)], Espinosa Pérez et al. 2004:26 [ref. [27705](#)], Dylidin 2015:45 [ref. [34524](#)], Del Moral-Flores et al. 2016:71 [ref. [34398](#)]). **Current status:** Synonym of *Rhincodon typus* Smith 1828. Rhincodontidae. Habitat: marine.

typicus, *Rhinodon* Müller [J.] & Henle [F. G. J.] 1839:77 [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Unjustified emendation of *Rhincodon typus* Smith 1828; see also *Rhinodon typicus* Smith 1845. •Synonym of *Rhincodon typus* Smith 1828 -- (Compagno 1984:210 [ref. [6474](#)], Compagno 2001:203 [ref. [26323](#)], Dyldin 2015:45 [ref. [34524](#)]). **Current status:** Synonym of *Rhincodon typus* Smith 1828. Rhincodontidae. Habitat: marine.

typicus, *Rhinodon* Smith [A.] 1845:no pagination, Pl. 26 [Illustrations of the zoology of South Africa v. 4; ref. [4035](#)] Cape of Good Hope, South Africa. Holotype (unique): Now MNHN [Museum Jardin des Plantes, Paris]. Unjustified emendation of *Rhincodon typus* Smith 1828. •Synonym of *Rhincodon typus* Smith 1828 -- (Dyldin 2015:45 [ref. [34524](#)]). **Current status:** Synonym of *Rhincodon typus* Smith 1828. Rhincodontidae. Habitat: marine.

typus, *Rhincodon* Smith [A.] 1828:2 [South African Commercial Advertiser v. 3 (no. 145); ref. [12603](#)] Table Bay, South Africa, southeastern Atlantic. Holotype (unique): MNHN 0000-9855 (stuffed, mounted). Type catalog: Bertin 1939:67 [ref. [20739](#)]. Also appeared as *Rhiniodon typus* in Smith 1829:443 [ref. [4976](#)]. The genus *Rhincodon* was conserved over *Rhiniodon* (Opinion 1278). •Valid as *Rhiniodon typus* (Smith 1828) -- (Gubanov & Timoxin 1989:221 [ref. [36138](#)], Bishop & Abdul-Ghaffar 1993:939 [ref. [36611](#)], Kukuev 1996:279 [ref. [24643](#)], Mohsin & Ambak 1996:56 [ref. [27969](#)]). •Valid as *Rhincodon typus* Smith 1828 -- (Eschmeyer & Herald 1983:25 [ref. [9277](#)], Compagno 1984:210 [ref. [6474](#)], Dor 1984:4 [ref. [29757](#)], Nakaya & Shirai in Masuda et al. 1984:8 [ref. [6441](#)], Wolfson 1986:208 [ref. [6150](#)], Bass 1986:66 [ref. [19532](#)], Robins & Ray 1986:21 [ref. [23100](#)], Allen & Swainston 1988:20 [ref. [25477](#)], Paxton et al. 1989:94 [ref. [12442](#)], Pequeño 1989:12 [ref. [14125](#)], Randall et al. 1990:15 [ref. [15987](#)], Springer 1990:80 [ref. [19315](#)], Boschung 1992:19 [ref. [23239](#)], Cervigón 1992:183 [ref. [23827](#)], Allen & Robertson 1994:19 [ref. [22193](#)], Gomon et al. 1994:119 [ref. [22532](#)], Last & Stevens 1994:142 [ref. [23873](#)], Goren & Dor 1994:2 [ref. [25356](#)], Compagno et al. in Fischer et al. 1995:710 [ref. [22829](#)], Randall 1995:21 [ref. [22896](#)], Allen 1997:40 [ref. [23977](#)], Santos et al. 1997:7 [ref. [23531](#)], Grove & Lavenberg 1997:53 [ref. [24023](#)], Arruda 1997:15 [ref. [24952](#)], Cheng & Zhou 1997:24 [ref. [26385](#)] dated 1829, Randall et al. 1997:15 [ref. [25919](#)], Compagno 1998:1263 [ref. [23785](#)], McEachran & Fechhelm 1998:47 [ref. [23897](#)], Chirichigno F. & Vélez D. 1998:34 [ref. [24555](#)], Aguilera 1998:45 [ref. [24221](#)], Myers 1999:32 [ref. [23965](#)], Fricke 1999:13 [ref. [24106](#)], Morón et al. 1999:144 [ref. [24253](#)], Cervigón & Alcalá 1999:30 [ref. [24490](#)], Smith-Vaniz et al. 1999:109 [ref. [25013](#)], Compagno 1999:477 [ref. [25589](#)], Musick et al. 2000:8 [ref. [24959](#)], Nakabo 2000:121 [ref. [25086](#)], Compagno in Randall & Lim 2000:578 [ref. [25122](#)], Laboute & Grandperrin 2000:86 [ref. [25191](#)], Hutchins 2001:14 [ref. [25847](#)], Goto 2001:82 [ref. [25912](#)], Compagno 2001:203 [ref. [26323](#)], Soto 2001:63, 67 [ref. [26637](#)], Nakabo 2002:121 [ref. [26001](#)], Youn 2002:50, 470 [ref. [26218](#)], Gadig & Gomes in Menezes et al. 2003:21 [ref. [27192](#)], Compagno 2003:442 [ref. [26984](#)], Manilo & Bogorodsky 2003:S91 [ref. [27377](#)], Myers & Donaldson 2003:609 [ref. [27495](#)], Lobel & Lobel 2004:67 [ref. [27576](#)], Smith et al. 2003:5 [ref. [27621](#)], Randall et al. 2004:5 [ref. [27624](#)], Espinosa Pérez et al. 2004:26 [ref. [27705](#)] dated 1829, Bonfil & Abdallah 2004:22 [ref. [27735](#)], Nelson et al. 2004:51 [ref. [27807](#)], Heemstra & Heemstra 2004:55 [ref. [28072](#)], Mundy 2005:87 [ref. [28379](#)], Randall et al. 2005:117 [ref. [28745](#)], Compagno et al. 2005:23 [ref. [29145](#)], Vaske et al. 2005:78 [ref. [36155](#)], Hoese & Gates 2006:130 [ref. [28997](#)], Randall 2007:29 [ref. [30952](#)], White 2008:51 [ref. [30617](#)], Béarez & Séret 2009:144 [ref. [36646](#)], Fricke et al. 2009:11 [ref. [30213](#)], Kimura 2009:10 [ref. [30426](#)], McCosker & Rosenblatt 2010:187 [ref. [30957](#)], Motomura et al. 2010:68 [ref. [31256](#)], Last et al. 2010:60 [ref. [32461](#)], Fricke et al. 2011:344 [ref. [31242](#)], de la Parra Venegas et al. 2011:1 [ref. [31281](#)], Castro 2011:194 [ref. [31457](#)], Moore et al. 2012:5 [ref. [31771](#)], Allen & Erdmann 2012:53 [ref. [31980](#)], Page et al. 2013:49 [ref. [32708](#)], Wirtz et al. 2013:114 [ref. [32972](#)], Larson et al. 2013:15 [ref. [32988](#)], Ebert et al. 2013:307 [ref. [33045](#)], Wirtz et al. 2014:2 [ref. [33516](#)], Psomadakis et al. 2015:77 [ref. [34104](#)], Roberts 2015:111 [ref. [34220](#)], Pinheiro et al. 2015:2 [ref. [34324](#)], Dyldin 2015:44 [ref. [34524](#)], Del Moral-Flores et al. 2016:71 [ref. [34398](#)], Weigmann 2016:12 [ref. [34211](#)], Compagno 2016:1253 [ref. [34544](#)], Fourrière et al. 2016:452 [ref. [34668](#)], Del Moral-Flores et al. 2016:605 [ref. [34923](#)], Koeda et al. 2016:4 [ref. [35333](#)], Kells et al. 2016:62 [ref. [35888](#)], Ebert et al. 2017:52 [ref. [35618](#)], Ali et al. 2018:300 [ref. [36183](#)], Dyldin & Orlov 2018:162 [ref. [35920](#)], Ehemann et al. 2018:20 [ref. [36194](#)], Fricke et al. 2018:8 [ref. [35805](#)], Golani & Fricke 2018:10 [ref. [36273](#)], Kumar et al. 2018:295 [ref. [36178](#)], Spier et al. 2018:4 [ref. [36103](#)], White & Ko'ou 2018:22 [ref. [35922](#)], White et al. 2018:82 [ref. [35860](#)], Brown et al. 2019:152 [ref. [36444](#)], Ehemann et al. 2019:[3] [ref. [36861](#)], Fricke et al. 2019:37 [ref. [36673](#)], Zajonz et al. 2019:58

[ref. [36871](#)]. **Current status:** Valid as *Rhincodon typus* Smith 1828. Rhincodontidae. Distribution: Circumglobal in tropical seas (including Caribbean Sea, Red Sea, Persian Gulf). Habitat: marine.

SPHYRNIDAE

SPHYRNA LEWINI

Species that contain: *Sphyrna* and *lewini* (including unavailable names) [9] records

carolinensis, Squalus (Cestrorhinus) Blainville [H. de] 1816:121 [Bulletin des Sciences, par la Société Philomathique de Paris v. 8; ref. [306](#)] Not available, name only. •In the synonymy of *Sphyrna zygaena* (Linnaeus 1758) or *Sphyrna lewini* (Griffith & Smith 1834) -- (Gilbert 1973:33 [ref. [7164](#)]). •In the synonymy of *Sphyrna zygaena* (Linnaeus 1758) -- (Compagno 1984:553 [ref. [6846](#)]). **Current status:** Synonym of *Sphyrna zygaena* (Linnaeus 1758). Sphyrnidae.

couardi, Sphyrna Cadenat [J.] 1951:41, 99 [Initiations Africaines. III. Poissons de mer du Sénégal; ref. [12676](#)] Senegal. No types known. Only briefly characterized but regarded as available. •Valid as *Sphyrna couardi* Cadenat 1951 -- (Gilbert 1967:45 [ref. [21135](#)], Compagno 1984:544 [ref. [6846](#)], Springer 1990:109 [ref. [19320](#)], Afonso et al. 1999:82 [ref. [25466](#)] with question, Wirtz et al. 2007:24 [ref. [30263](#)] with question). •Synonym of *Sphyrna lewini* (Griffith & Smith 1834) -- (Quattro et al. 2013:176 [ref. [32875](#)], Weigmann 2016:45 [ref. [34211](#)], Compagno 2016:1331 [ref. [34544](#)] as *lewini*). **Current status:** Synonym of *Sphyrna lewini* (Griffith & Smith 1834). Sphyrnidae. Distribution: Eastern Atlantic: Senegal to Congo (if valid). Habitat: brackish, marine.

diplana, Sphyrna Springer [S.] 1941:46, Figs. 1-2 [Proceedings of the Florida Academy of Sciences v. 5; ref. [10183](#)] Off Englewood, Florida, U.S.A., Gulf of Mexico, western Atlantic. Holotype: USNM 108451. Paratypes: USNM 108452 (1, head only), 110296-97 (2, jaws only). Type catalog: Howe & Springer 1993:6 [ref. [21812](#)]. •Synonym of *Sphyrna lewini* (Griffith & Smith 1834) -- (Gilbert 1967:38 [ref. [21135](#)], Gilbert 1973:33 [ref. [7164](#)], Dor 1984:11 [ref. [29757](#)], Compagno 1984:545 [ref. [6846](#)], Springer 1990:109 [ref. [19320](#)], Gomon et al. 1994:139 [ref. [22532](#)], Compagno et al. in Fischer et al. 1995:718 [ref. [22829](#)], Compagno 1998:1364 [ref. [23785](#)], Castro-Aguirre et al. 1999:54 [ref. [24550](#)], Soto 2001:85 [ref. [26637](#)], Compagno 2003:500 [ref. [26984](#)], Espinosa Pérez et al. 2004:70 [ref. [27705](#)], Bonfil & Abdallah 2004:36 [ref. [27735](#)], Castro 2011:509 [ref. [31457](#)], Quattro et al. 2013:176 [ref. [32875](#)], Psomadakis et al. 2015:87 [ref. [34104](#)], Compagno 2016:1331 [ref. [34544](#)]). **Current status:** Synonym of *Sphyrna lewini* (Griffith & Smith 1834). Sphyrnidae. Habitat: brackish, marine.

erythraea, Zygaena Klunzinger [C. B.] (ex Ehrenberg) 1871:666 [Verhandlungen der K.-K. zoologisch-botanischen Gesellschaft in Wien v. 21; ref. [2622](#)] Massawa, Eritrea, Red Sea. Type catalog: Paepke & Schmidt 1988:170 [ref. [21041](#)] dated to 1899 with ZMB 7814 as holotype. Regarded as not available; appeared above as name in synonymy; also as name in synonymy in Hemprich & Ehrenberg 1899: 8, Pl. 6 (fig. 2) [ref. [4977](#)]. Subsequent publication in an available way not researched. •In the synonymy of *Sphyrna lewini* (Griffith & Smith 1834) -- (Gilbert 1967:38 [ref. [21135](#)], Gilbert 1973:33 [ref. [7164](#)], Dor 1984:11 [ref. [29757](#)], Compagno 1984:545 [ref. [6846](#)]). **Current status:** Synonym of *Sphyrna lewini* (Griffith & Smith 1834). Sphyrnidae.

indica, Zygaena van Hasselt [J. C.] 1823:315 [Algemeene Konst- en Letter-bode voor het Jaar I Deel (no. 20); ref. [4513](#)] Vizagapatam, India; Java, Indonesia, Java Sea, eastern Indian Ocean. No types known. Based on figure in Russel, 1823, l., p. 8, pl. XII (see Alfred 1961:81, Pl. 3 [ref. [20553](#)]). Also in van Hasselt 1824:90 [ref. [5104](#)]. Should be suppressed and the use of the name *lewini* continued. •Available name -- (Kottelat 1987:369 [ref. [5962](#)]). •Synonym of [later] *Sphyrna lewini* (Griffith & Smith 1834) -- (Gilbert 1967:37 [ref. [21135](#)] with question, Compagno 1984:545 [ref. [6846](#)], Last et al. 2010:134 [ref. [32461](#)]). **Current status:** Synonym of *Sphyrna lewini* (Griffith & Smith 1834). Sphyrnidae. Habitat: brackish, marine.

leeuwenii, Cestracion Day [F.] 1865:271 [The fishes of Malabar; ref. [1074](#)] Malabar coast, India, Arabian Sea, western Indian Ocean. Unexplained new spelling for *Zygaena lewini* Griffith & Smith 1834. •Synonym of *Sphyrna lewini* (Griffith & Smith 1834) -- (Gilbert 1967:38 [ref. [21135](#)], Gilbert 1973:33 [ref. [7164](#)], Compagno 1984:545 [ref. [6846](#)]). **Current status:** Synonym of *Sphyrna lewini* (Griffith & Smith 1834). Sphyrnidae. Habitat: brackish, marine.

lewini, Zygaena Griffith [E.] & Smith [C. H.] 1834:640, Pl. 50 [The class Pisces, arranged by the Baron Cuvier; ref. [1908](#)] [South coast of New Holland] southern Australia. No types known. Name available from Pl. 50. Based on a drawing by Mr. Lewin. Misspelled *leeuwenii* by Rochebrune 1883:44 [ref. [18639](#)]. •Valid as *Sphyrna lewini* (Griffith & Smith 1834) -- (Gilbert 1967:37 [ref. [21135](#)], Gilbert 1973:33 [ref. [7164](#)], Kyushin et al. 1982:23 [ref. [19754](#)], Quéro in Whitehead et al. 1984:123 [ref. [13675](#)], Compagno 1984:545 [ref. [6846](#)], Dor 1984:11 [ref. [29757](#)], Nakaya in Masuda et al. 1984:7 [ref. [6441](#)], Nakaya in Okamura & Kitajima 1984:51, 300 [ref. [8057](#)], Bass 1986:97 [ref. [5635](#)], Robins & Ray 1986:30 [ref. [23100](#)], Allen & Swainston 1988:24 [ref. [25477](#)], Gubanov & Timoxin 1989:224 [ref. [36138](#)], Paxton et al. 1989:87 [ref. [12442](#)], Springer 1990:109 [ref. [19320](#)], Randall et al. 1990:23 [ref. [15987](#)], Talwar & Jhingran 1991:28 [ref. [20764](#)], Boschung 1992:24 [ref. [23239](#)], Cervigón 1992:186 [ref. [23827](#)], Allen & Robertson 1994:25 [ref. [22193](#)], Gomon et al. 1994:139 [ref. [22532](#)], Last & Stevens 1994:272 [ref. [23873](#)], Goren & Dor 1994:4 [ref. [25356](#)], Compagno et al. in Fischer et al. 1995:718 [ref. [22829](#)], Randall 1995:38 [ref. [22896](#)], Mohsin & Ambak 1996:67 [ref. [27969](#)], Allen 1997:44 [ref. [23977](#)], Chen et al. 1997:5 [ref. [26476](#)], Cheng & Zhou 1997:35 [ref. [26385](#)] with author as Griffith, Grove & Lavenberg 1997:96 [ref. [24023](#)], Murdy et al. 1997:27 [ref. [23144](#)], Larson & Williams 1997:343 [ref. [23967](#)], Arruda 1997:19 [ref. [24952](#)], Randall et al. 1997:23 [ref. [25919](#)], De la Cruz-Agüero & Cota-Gómez 1998:356 [ref. [23520](#)], Compagno 1998:1364 [ref. [23785](#)], McEachran & Fechhelm 1998:93 [ref. [23897](#)], Chirichigno F. & Vélez D. 1998:40 [ref. [24555](#)], Myers 1999:36 [ref. [23965](#)], Fricke 1999:24 [ref. [24106](#)], Aguilera 1998:45 [ref. [24221](#)], Cervigón & Alcalá 1999:97 [ref. [24490](#)], Castro-Aguirre et al. 1999:53 [ref. [24550](#)], Mishra & Srinivasan 1999:234 [ref. [24754](#)], Smith-Vaniz et al. 1999:117 [ref. [25013](#)], Afonso et al. 1999:68 [ref. [25466](#)], Johnson 1999:720 [ref. [25471](#)], Compagno 1999:484 [ref. [25589](#)], Nakabo 2000:140 [ref. [25086](#)], Compagno in Randall & Lim 2000:580 [ref. [25122](#)], Laboute & Grandperrin 2000:97 [ref. [25191](#)], Lea & Rosenblatt 2000:119 [ref. [25206](#)], Thomson et al. 2000:282 [ref. [25640](#)], Bijukumar & Sushama 2000:184 [ref. [25703](#)], Randall & Earle 2000:5 [ref. [25806](#)], Shane 2001:162 [ref. [25756](#)], Hutchins 2001:14 [ref. [25847](#)], Rocha & Rosa 2001:989 [ref. [25909](#)], Soto 2001:65 [ref. [26637](#)], Camargo & Isaac 2001:139 [ref. [27639](#)] as Cuvier & Griffith & Smith 1834, Bilecenoğlu et al. 2002:173 [ref. [26753](#)], Nakabo 2002:140 [ref. [26001](#)], Youn 2002:56, 475 [ref. [26218](#)], Allen & Adrim 2003:22 [ref. [26830](#)], Collette et al. 2003:98 [ref. [26784](#)], Compagno 2003:500 [ref. [26984](#)], Gadig & Gomes in Menezes et al. 2003:24 [ref. [27192](#)], Manilo & Bogorodsky 2003:S92 [ref. [27377](#)], Myers & Donaldson 2003:609 [ref. [27495](#)], Smith et al. 2003:6 [ref. [27621](#)], Randall et al. 2004:5 [ref. [27624](#)], Espinosa Pérez et al. 2004:70 [ref. [27705](#)], Bonfil & Abdallah 2004:36 [ref. [27735](#)], Nelson et al. 2004:54 [ref. [27807](#)], Heemstra & Heemstra 2004:68 [ref. [28072](#)], Randall 2005:16 [ref. [28239](#)], Mundy 2005:92 [ref. [28379](#)], Randall et al. 2005:131 [ref. [28745](#)], Compagno et al. 2005:46 [ref. [29145](#)], Vaske et al. 2005:78 [ref. [36155](#)], Hoese et al. 2006:110 [ref. [29001](#)], Wirtz et al. 2007:24 [ref. [30263](#)], Randall 2007:37 [ref. [30952](#)], Khalaf & Zajonz 2007:423 [ref. [31739](#)], White 2008:73 [ref. [30617](#)], Béarez & Séret 2009:145 [ref. [36646](#)], McCosker & Rosenblatt 2010:187 [ref. [30957](#)], Motomura et al. 2010:69 [ref. [31256](#)], Last et al. 2010:136 [ref. [32461](#)], Fricke et al. 2011:346 [ref. [31242](#)], Castro 2011:509 [ref. [31457](#)], Moore et al. 2012:11 [ref. [31771](#)], Weigmann 2012:8 [ref. [31968](#)], Allen & Erdmann 2012:59 [ref. [31980](#)], Yamashita et al. 2012:125 [ref. [32408](#)], Naylor et al. 2012:32 [ref. [34345](#)] see remarks, Fricke et al. 2013:250 [ref. [32706](#)], Page et al. 2013:52 [ref. [32708](#)], Quattro et al. 2013:159 [ref. [32875](#)], Wirtz et al. 2013:116 [ref. [32972](#)] needs confirmation, Larson et al. 2013:13 [ref. [32988](#)], Ebert et al. 2013:333 [ref. [33045](#)], Yoshida et al. 2013:11 [ref. [34464](#)], Smith-Vaniz & Jelks 2014:20 [ref. [33341](#)], Wirtz et al. 2014:2 [ref. [33516](#)], Delrieu-Trottin et al. 2015:4 [ref. [33988](#)], Psomadakis et al. 2015:88 [ref. [34104](#)], Pinheiro et al. 2015:3 [ref. [34324](#)], Galván-Villa et al. 2016:143 [ref. [34871](#)], Del Moral-Flores et al. 2016:97 [ref. [34398](#)], Weigmann 2016:45 [ref. [34211](#)], Compagno 2016:1331 [ref. [34544](#)], Fourrière et al. 2016:440 [ref. [34668](#)], Del Moral-Flores et al. 2016:605 [ref. [34923](#)], Koeda et al. 2016:5 [ref. [35333](#)], Nión et al. 2016:20 [ref. [35565](#)], Kells et al. 2016:72 [ref. [35888](#)], Ebert et al. 2017:56 [ref. [35618](#)], White et al. 2017:186 [ref. [35860](#)], Ali et al. 2018:302 [ref. [36183](#)], Ehemann et al. 2018:22 [ref. [36194](#)], Fricke et al. 2018:17 [ref. [35805](#)], Golani & Fricke 2018:13 [ref. [36273](#)], Kumar et al. 2018:297 [ref. [36178](#)], Spier et al.

2018:4 [ref. [36103](#)], Suresh et al. 2018:44 [ref. [36495](#)], White & Ko'ou 2018:43 [ref. [35922](#)], Ehemann et al. 2019:[4] [ref. [36861](#)], Fricke et al. 2019:42 [ref. [36673](#)], González-Murcia et al. 2019:288 [ref. [36544](#)], Zajonz et al. 2019:59 [ref. [36871](#)]). **Current status:** Valid as *Sphyrna lewini* (Griffith & Smith 1834). Sphyrnidae. Distribution: Circumglobal in tropical and warm temperate seas (including Caribbean Sea, Red Sea). Habitat: brackish, marine.

oceanica, Cestracion Garman [S.] 1913:158 [Memoirs of the Museum of Comparative Zoology v. 36; ref. [1545](#)] Society Islands, French Polynesia, South Pacific. Syntypes: MCZ 460-S (3), USNM 153587 [ex MCZ 460] (1). Type catalog: Howe & Springer 1993:10 [ref. [21812](#)], Hartel & Dingerkus 1997:xl [ref. [23119](#)]. •Synonym of *Sphyrna lewini* (Griffith & Smith 1834) -- (Gilbert 1967:38 [ref. [21135](#)], Gilbert 1973:33 [ref. [7164](#)], Dor 1984:11 [ref. [29757](#)], Compagno 1984:545 [ref. [6846](#)], Castro-Aguirre et al. 1999:54 [ref. [24550](#)]). **Current status:** Synonym of *Sphyrna lewini* (Griffith & Smith 1834). Sphyrnidae. Habitat: brackish, marine.

pictus, Squalis (Cestrorhinus) Blainville [H. de] 1816:121 [Bulletin des Sciences, par la Société Philomathique de Paris v. 8; ref. [306](#)] Not available, name only. •In the synonymy of *Sphyrna zygaena* (Linnaeus 1758) or *Sphyrna lewini* (Griffith & Smith 1834) -- (Gilbert 1973:33 [ref. [7164](#)]). •In the synonymy of *Sphyrna zygaena* (Linnaeus 1758) -- (Compagno 1984:553 [ref. [6846](#)]). **Current status:** Synonym of *Sphyrna zygaena* (Linnaeus 1758). Sphyrnidae.

SPHYRNA MOKARRAN

Species that contain: *Sphyrna* and *mokarran* (including unavailable names) [**4**] records

chierighini, Sphyrna Nardo [G. D.] 1847:col. 112 [Sinonimia moderna delle specie registrate nell'opera intitolata: ...; ref. [17994](#)] Not available, name only based on *Squalus tiburo* of Chierighini (manuscript). •In the synonymy of *Sphyrna mokarran* (Rüppell 1837) -- (Gilbert 1967:26 [ref. [21135](#)]). **Current status:** Synonym of *Sphyrna mokarran* (Rüppell 1837). Sphyrnidae.

dissimilis, Zygaena Murray [J. A.] 1887:103, Pl. [Journal of the Bombay Natural History Society v. 2 (pt 2); ref. [17806](#)] Karachi, Pakistan. Published in 3 places, earliest not determined. As above, in Ann. Mag. Nat. Hist. [see ref. [17806](#)], and in Murray 1887 [ref. [17805](#)]. •Synonym of *Sphyrna mokarran* (Rüppell 1837) -- (Gilbert 1967:26 [ref. [21135](#)], Compagno 1984:548 [ref. [6846](#)]). **Current status:** Synonym of *Sphyrna mokarran* (Rüppell 1837). Sphyrnidae. Habitat: brackish, marine.

ligo, Sphyrna Fraser-Brunner [A.] 1950:214, Fig. 1 [Records of the Australian Museum v. 22 (no. 3); ref. [12952](#)] Clarence River, New South Wales, Australia. Holotype: BMNH 1890.9.23.231 [ex Imperial Inst.] (embryo). •Synonym of *Sphyrna mokarran* (Rüppell 1837) -- (Gilbert 1967:26 [ref. [21135](#)], Compagno 1984:548 [ref. [6846](#)], Paxton et al. 1989:87 [ref. [12442](#)], Hoese et al. 2006:111 [ref. [29001](#)]). **Current status:** Synonym of *Sphyrna mokarran* (Rüppell 1837). Sphyrnidae. Habitat: brackish, marine.

mokarran, Zygaena Rüppell [W. P. E. S.] 1837:66, Pl. 17 (fig. 3) [Neue Wirbelthiere zu der Fauna von Abyssinien gehörig. Fische des Rothen Meeres; ref. [3844](#)] Massawa, Eritrea, Red Sea. Lectotype: SMF 3590 (stuffed). Type catalog and lectotype designation: Klauswitz 1960:293 [ref. [21330](#)]. •Valid as *Sphyrna mokarran* (Rüppell 1837) -- (Gilbert 1967:26 [ref. [21135](#)], Quéro in Whitehead et al. 1984:124 [ref. [13675](#)], Compagno 1984:548 [ref. [6846](#)], Dor 1984:11 [ref. [29757](#)], Nakaya in Masuda et al. 1984:7 [ref. [6441](#)], Bass 1986:97 [ref. [5635](#)], Robins & Ray 1986:30 [ref. [23100](#)], Allen & Swainston 1988:24 [ref. [25477](#)], Gubanov & Timoxin 1989:224 [ref. [36138](#)], Paxton et al. 1989:87 [ref. [12442](#)], Springer 1990:109 [ref. [19320](#)], Randall et al. 1990:23 [ref. [15987](#)], Boschung 1992:24

[ref. [23239](#)], Cervigón 1992:187 [ref. [23827](#)], Baranes & Golani 1993:301 [ref. [22372](#)], Allen & Robertson 1994:25 [ref. [22193](#)], Last & Stevens 1994:274 [ref. [23873](#)], Goren & Dor 1994:4 [ref. [25356](#)], Compagno et al. in Fischer et al. 1995:720 [ref. [22829](#)], Randall 1995:38 [ref. [22896](#)], Mohsin & Ambak 1996:68 [ref. [27969](#)], Allen 1997:44 [ref. [23977](#)], Grove & Lavenberg 1997:99 [ref. [24023](#)] [but see McCosker 1998:809 [ref. [24025](#)]], Compagno 1998:1365 [ref. [23785](#)], McEachran & Feckhelm 1998:94 [ref. [23897](#)], Aguilera 1998:45 [ref. [24221](#)], Chirichigno F. & Vélez D. 1998:40 [ref. [24555](#)], Myers 1999:36 [ref. [23965](#)], Fricke 1999:24 [ref. [24106](#)], Cervigón & Alcalá 1999:100 [ref. [24490](#)], Castro-Aguirre et al. 1999:53 [ref. [24550](#)], Smith-Vaniz et al. 1999:118 [ref. [25013](#)], Johnson 1999:720 [ref. [25471](#)], Compagno 1999:484 [ref. [25589](#)], Nakabo 2000:140 [ref. [25086](#)], Compagno in Randall & Lim 2000:580 [ref. [25122](#)], Laboute & Grandperrin 2000:97 [ref. [25191](#)], Schmitter-Soto et al. 2000:146 [ref. [27754](#)], Hutchins 2001:14 [ref. [25847](#)], Soto 2001:65, 85 [ref. [26637](#)], Nakabo 2002:140 [ref. [26001](#)], Allen & Adrim 2003:22 [ref. [26830](#)], Compagno 2003:502 [ref. [26984](#)], Gadig & Gomes in Menezes et al. 2003:24 [ref. [27192](#)], Manilo & Bogorodsky 2003:S92 [ref. [27377](#)], Espinosa Pérez et al. 2004:71 [ref. [27705](#)], Bonfil & Abdallah 2004:36 [ref. [27735](#)], Nelson et al. 2004:54 [ref. [27807](#)], Heemstra & Heemstra 2004:68 [ref. [28072](#)], Randall 2005:16 [ref. [28239](#)], Mundy 2005:93 [ref. [28379](#)], Randall et al. 2005:131 [ref. [28745](#)], Compagno et al. 2005:46 [ref. [29145](#)], Hoese et al. 2006:111 [ref. [29001](#)], Randall 2007:38 [ref. [30952](#)], Fricke et al. 2009:10 [ref. [30213](#)], McCosker & Rosenblatt 2010:187 [ref. [30957](#)], Last et al. 2010:138 [ref. [32461](#)], Fricke et al. 2011:346 [ref. [31242](#)], Castro 2011:516 [ref. [31457](#)], Moore et al. 2012:11 [ref. [31771](#)], Allen & Erdmann 2012:60 [ref. [31980](#)], Naylor et al. 2012:33 [ref. [34345](#)] see remarks, Fricke et al. 2013:250 [ref. [32706](#)], Page et al. 2013:52 [ref. [32708](#)], Wirtz et al. 2013:116 [ref. [32972](#)], Larson et al. 2013:13 [ref. [32988](#)], Ebert et al. 2013:340 [ref. [33045](#)], Smith-Vaniz & Jelks 2014:20 [ref. [33341](#)], Delrieu-Trottin et al. 2015:4 [ref. [33988](#)], Psomadakis et al. 2015:88 [ref. [34104](#)], Del Moral-Flores et al. 2016:99 [ref. [34398](#)], Weigmann 2016:45 [ref. [34211](#)], Compagno 2016:1333 [ref. [34544](#)], White et al. 2017:188 [ref. [35860](#)], Ali et al. 2018:302 [ref. [36183](#)], Ehemann et al. 2018:22 [ref. [36194](#)], Fricke et al. 2018:17 [ref. [35805](#)], Golani & Fricke 2018:13 [ref. [36273](#)], Kumar et al. 2018:297 [ref. [36178](#)], White & Ko'ou 2018:44 [ref. [35922](#)], Ehemann et al. 2019:[4] [ref. [36861](#)], Fricke et al. 2019:42 [ref. [36673](#)]). **Current status:** Valid as *Sphyrna mokarran* (Rüppell 1837). Sphyrnidae. Distribution: Circumglobal in tropical through warm temperate seas (including Caribbean Sea, Red Sea, Persian Gulf). Habitat: brackish, marine.

SQUALUS ACANTHIAS

Species that contain: *Squalus* and *acanthias* (including unavailable names) [22] records

acanthias, *Squalus* Linnaeus [C.] 1758:233 [Systema Naturae, Ed. X v. 1; ref. [2787](#)] Mediterranean Sea and northeastern Atlantic [original: "In Oceano Europæo"]; localities include Sweden, Baltic Sea; North Sea; Irish Sea; Marseille, France; Rome and Venice, Italy; Lesbos Island, Greece; Syria, Mediterranean Sea. Syntypes: NRM 85 (1 or 2). Possible syntypes: ZMUU Linn. coll. 159 (1), ZMUU Linn. coll. 160 (1, dry). Type catalog: Fernholm & Wheeler 1983:208-209 [ref. [20707](#)]. Originally based at least 31 pre-Linnaean sources including Artedi 1738:66 [ref. [30578](#)], Artedi 1738:102 [ref. [30529](#)] and Artedi 1738:94 [ref. [30349](#)] as *Squalus pinna ani nulla*; Rondelet 1554:373 [ref. [30354](#)] as *Galeus acanthias*, Salviani 1558:136, Pl. [ref. [30229](#)] as *Mustellus spinax*, Charleton 1668:128 [ref. [30580](#)] as *Galeus acanthias*, Willughby 1686:56 [ref. [30164](#)] and Ray 1713:21 [ref. [30231](#)] as *Galeus acanthias sive spinax*. Misspelled *achantias* by Latreille 1804:72 [ref. [17490](#)]. •Valid as *Squalus acanthias* Linnaeus 1758 -- (Krefft & Tortonese 1973:37 [ref. [7165](#)], Eschmeyer & Herald 1983:23 [ref. [9277](#)], McEachran & Branstetter in Whitehead et al. 1984:146 [ref. [13675](#)], Compagno 1984:111 [ref. [6474](#)], Nakaya & Shirai in Masuda et al. 1984:9 [ref. [6441](#)], Menni 1986:425 [ref. [11487](#)], Bass et al. 1986:61 [ref. [5636](#)], Robins & Ray 1986:33 [ref. [23100](#)], Castro-Aguirre & Garcia-Dominguez 1988:103 [ref. [19199](#)], Scott & Scott 1988:35 [ref. [25518](#)], Paxton et al. 1989:37 [ref. [12442](#)], Paulin et al. 1989:13 [ref. [24556](#)], Pequeño 1989:12 [ref. [14125](#)], Muñoz-Chápuli & Ramos 1989:6 [ref. [12577](#)], McAllister 1990:33 [ref. [14674](#)], Springer 1990:12 [ref. [19315](#)], Yano in Amaoka et al. 1990:76 [ref. [16024](#)], Compagno et al. 1991:66 [ref. [21083](#)], Lloris & Rucabado 1991:27 [ref. [22530](#)], Bianchi & Carpenter in Bianchi et al. 1993:83 [ref. [25472](#)] with authors as Smith & Radcliffe 1912, Gomon et al. 1994:105 [ref. [22532](#)], Last & Stevens 1994:98 [ref. [23873](#)], Compagno et al. in Fischer et al. 1995:728 [ref. [22829](#)], Yano in Okamura et al. 1995:51 [ref. [22531](#)], López et al. 1996:7 [ref. [23681](#)], Cheng & Zhou 1997:37 [ref. [26385](#)], Murdy et al. 1997:34 [ref. [23144](#)], Santos et al. 1997:118 [ref. [23531](#)], Pshenichnov 1997:713 [ref. [24700](#)], Arruda 1997:21 [ref. [24952](#)], Sokolovskaya et al. 1998:7 [ref. [24670](#)], Compagno 1999:472 [ref. [25589](#)], Nakabo 2000:155 [ref. [25086](#)], Sheiko & Fedorov 2000:15 [ref. [25650](#)], Cousseau & Perrotta 2000:36 [ref. [25942](#)], Hutchins 2001:15 [ref. [25847](#)], Soto 2001:66, 94 [ref. [26637](#)], Bilecenoğlu et al. 2002:17 [ref. [26753](#)], Burgess in Collette & Klein-MacPhee 2002:54 [ref. [26158](#)], Mecklenburg et al. 2002:88 [ref. [25968](#)], Nakabo 2002:155 [ref. [26001](#)], Youn 2002:60, 478 [ref. [26218](#)], López et al. 2002:62 [ref. [26808](#)], Compagno 2003:383 [ref. [26984](#)], Gadig & Gomes in Menezes et al. 2003:27 [ref. [27192](#)], Moore et al. 2003:170 [ref. [27076](#)], Manilo & Bogorodsky 2003:S93 [ref. [27377](#)], Fedorov et al. 2003:13 [ref. [27579](#)], Baranes 2003:42 [ref. [27888](#)], Espinosa Pérez et al. 2004:102 [ref. [27705](#)], Nelson et al. 2004:49 [ref. [27807](#)], Heemstra & Heemstra 2004:54 [ref. [28072](#)], Duhamel et al. 2005:74 [ref. [32059](#)], Hoese 2006:155 [ref. [28998](#)], Duffy & Last 2007:31 [ref. [29127](#)], Duffy & Last 2007:91 [ref. [29132](#)], Fricke 2007:25 [ref. [30577](#)], Fricke et al. 2007:15 [ref. [29533](#)], Vasil'eva 2007:18 [ref. [30517](#)], White et al. 2007:106 [ref. [29133](#)], White et al. 2007:110 [ref. [29134](#)], White 2008:82 [ref. [30617](#)], Ninua & Japoshvili 2008:163 [ref. [31251](#)], George 2009:56 [ref. [30539](#)], Lipej & Dulčić 2010:11 [ref. [36649](#)], Ebert et al. 2010:30 [ref. [30955](#)] with more restricted range, Møller et al. 2010:14 [ref. [31169](#)], Mecklenburg et al. 2011:115 [ref. [31212](#)], Castro 2011:55 [ref. [31457](#)], Mabragaña et al. 2011:table S2 [ref. [31800](#)], Page et al. 2013:53 [ref. [32708](#)], Shinohara et al. 2014:233 [ref. [33330](#)], Parin et al. 2014:25 [ref. [33547](#)], Goren & Galil 2015:519 [ref. [33910](#)], Duffy & Last 2015:128 [ref. [34221](#)], Dyldin 2015:56 [ref. [34524](#)], Weigmann 2016:66 [ref. [34211](#)], Viana et al. 2016:4, 8, 29 [ref. [34525](#)], Compagno 2016:1159 [ref. [34544](#)], Lee et al. 2016:493 [ref. [34692](#)], Nión et al. 2016:21 [ref. [35565](#)], Viana et al. 2017:[3] [ref. [35249](#)], Viana et al. 2017:25 [ref. [35600](#)], Ehemann et al. 2018:24 [ref. [36194](#)], Spier et al. 2018:4 [ref. [36103](#)], Viana & Carvalho 2018:626 [ref. [36320](#)], Mecklenburg et al. 2018:34 [ref. [36470](#)], Ehemann et al. 2019:[5] [ref. [36861](#)]). **Current status:** Valid as *Squalus acanthias* Linnaeus 1758. Squalidae. Distribution: Widespread (including Caribbean Sea, Mediterranean Sea), but absent from the North Pacific. Habitat: marine.

africana*, *Squalus acanthias Myagkov [N. A.] & Kondyurin [V. V.] 1986:564 [5] [Voprosy Ikhtiologii v. 26 (no. 4); ref. [8063](#)] Southeastern Atlantic, Wolffish Bay region, 28°S, 17°E. Holotype: ZMMU P-15990 (embryo). Type catalog: Vasil'eva et al. 2001:12 [ref. [25714](#)]. On p. 5 of English translation. •Synonym of *Squalus acanthias* Linnaeus 1758, but a valid subspecies *africana* -- (Gubanov & Timoxin 1989:224 [ref. [36138](#)]). •Synonym of *Squalus acanthias* Linnaeus 1758 -- (Compagno et al. 1991:66 [ref. [21083](#)], Dylidin 2015:57 [ref. [34524](#)]). •Possible valid as *Squalus africana* Myagkov & Kondyurin 1986 -- (Ebert et al. 2010:23 [ref. [30955](#)]). **Current status:** Synonym of *Squalus acanthias* Linnaeus 1758. Squalidae. Distribution: Southern Africa. Habitat: marine.

americanus*, *Acanthias Storer [D. H.] 1846:506 [Memoirs of the American Academy of Arts and Sciences (new series) v. 2 (art. 7); ref. [18840](#)] New York to beyond Labrador. Syntypes: (several) whereabouts unknown. •Synonym of *Squalus acanthias* Linnaeus 1758 -- (Krefft & Tortonese 1973:37 [ref. [7165](#)], Compagno 1984:111 [ref. [6474](#)], Lloris & Rucabado 1991:27 [ref. [22530](#)], White et al. 2007:113 [ref. [29134](#)], Dylidin 2015:57 [ref. [34524](#)], Viana et al. 2016:9 [ref. [34525](#)]). **Current status:** Synonym of *Squalus acanthias* Linnaeus 1758. Squalidae. Habitat: marine.

antiquorum*, *Squalus Leach [W. E.] 1818:64 [Memoirs of the Wernerian Natural History Society, Edinburgh v. 2 (art. 5); ref. [12565](#)] Not available, no distinguishing features. •In the synonymy of *Squalus acanthias* Linnaeus 1758 -- (Compagno 1984:111 [ref. [6474](#)] and Lloris & Rucabado 1991:27 [ref. [22530](#)] as *antiquorum*, White et al. 2007:113 [ref. [29134](#)]). **Current status:** Synonym of *Squalus acanthias* Linnaeus 1758. Squalidae.

barbouri*, *Squalus Howell Rivero [L.] 1936:47, Pl. 12 [Proceedings of the Boston Society of Natural History v. 41 (no. 4); ref. [12257](#)] Jaimanitas, west of Havana, Cuba, Gulf of Mexico, western Atlantic. Holotype (unique): MCZ 1463-S. •Synonym of *Squalus acanthias* Linnaeus 1758 -- (Krefft & Tortonese 1973:37 [ref. [7165](#)], Compagno 1984:111 [ref. [6474](#)], White et al. 2007:113 [ref. [29134](#)], Dylidin 2015:57 [ref. [34524](#)], Viana et al. 2016:9 [ref. [34525](#)]). **Current status:** Synonym of *Squalus acanthias* Linnaeus 1758. Squalidae. Habitat: marine.

blainville*, *Acanthias Risso [A.] 1827:133, 478, Pl. 3 (fig. 6) [Histoire naturelle des principales productions de l'Europe méridionale v. 3; ref. [3757](#)] Nice, France, northwestern Mediterranean Sea. No types known. Spelled *blainvillii* in caption to plate (p. 478), and by subsequent authors including Müller & Henle 1839:84 [ref. [3069](#)]. Often spelled *blainvillei* by current authors, but spelling as *blainville* is acceptable as a noun in apposition. •Valid as *Squalus blainvillei* [sic] -- (Krefft & Tortonese 1973:38 [ref. [7165](#)], McEachran & Branstetter in Whitehead et al. 1984:147 [ref. [13675](#)], Compagno 1984:115 [ref. [6474](#)], Menni 1986:432 [ref. [11487](#)], Castro-Aguirre & Garcia-Dominguez 1988:103 [ref. [19199](#)], Pequeño 1989:12 [ref. [14125](#)], Muñoz-Chápuli & Ramos 1989:6 [ref. [12577](#)], Springer 1990:12 [ref. [19315](#)], Bianchi & Carpenter in Bianchi et al. 1993:83 [ref. [25472](#)], Arruda 1997:21 [ref. [24952](#)], Compagno 1999:472 [ref. [25589](#)], Compagno in Randall & Lim 2000:581 [ref. [25122](#)], Ebert et al. 2002:355 [ref. [26249](#)], Manilo & Bogorodsky 2003:S93 [ref. [27377](#)], Baranes 2003:42 [ref. [27888](#)] as *blainvillei*, Espinosa Pérez et al. 2004:103 [ref. [27705](#)] as *blainville* Risso 1826, Vasil'eva 2007:19 [ref. [30517](#)], Lipej & Dulčić 2010:11 [ref. [36649](#)] as *blainvillei*, Fricke et al. 2011:346 [ref. [31242](#)], Goren & Galil 2015:520 [ref. [33910](#)], Viana et al. 2016:4, 56 [ref. [34525](#)], Viana & Carvalho 2018:626 [ref. [36320](#)]). •Synonym of *Squalus mitsukurii* Jordan & Snyder 1903 -- (Gomon et al. 1994:108 [ref. [22532](#)], Castro 2011:65 [ref. [31457](#)]). •Status uncertain, similar to and may be senior synonym of *S. mitsukurii* Jordan & Snyder 1903 -- (Compagno 2003:385 [ref. [26984](#)]). •Valid but definitely only from the North Atlantic and Mediterranean Sea -- (Duffy & Last 2007:97-98 [ref. [29132](#)], Parin et al. 2014:26 [ref. [33547](#)]). •Valid as *Squalus blainville* (Risso 1827) -- (Uyeno & Sasaki in Uyeno et al. 1983:61 [ref. [14275](#)], Nakaya & Shirai in Masuda et al. 1984:10 [ref. [6441](#)], Fricke 1999:27 [ref. [24106](#)], Bilecenoğlu et al. 2002:18 [ref. [26753](#)], Weigmann 2016:66 [ref. [34211](#)], Compagno 2016:1161 [ref. [34544](#)], Nión et al. 2016:21 [ref. [35565](#)], Viana et al. 2017:[3, 5] [ref. [35249](#)] as *blainvillei* and as cf. *blainvillei*, Viana et al. 2017:19, 25 [ref. [35600](#)] as *blainvillei* and as cf. *blainvillei*, Pflieger et al. 2018:113 [ref. [36011](#)]). **Current status:** Valid as *Squalus blainville* (Risso 1827). Squalidae. Distribution: Mediterranean Sea, Black Sea, eastern Atlantic. Habitat: brackish, marine.

chilensis, *Squalus acanthias* Suckow [G. A.] 1799:98 [Naturgeschichte der Thiere v. 4, pt. 1; ref. [18858](#)] Chile. No types known. Unnecessary replacement name for *Squalus fernandinus* Molina 1782. •Synonym of *Squalus acanthias* Linnaeus 1758 -- (Dyldin 2015:57 [ref. [34524](#)]). **Current status:** Synonym of *Squalus acanthias* Linnaeus 1758. Squalidae. Habitat: marine.

commun, *Acanthias* Navarrete [A.] 1898:58, Fig. 13 [Manual de ictiología marina; ref. [18474](#)] Figure not seen. Spelled *común* on p. 148 in original. •Synonym of *Squalus acanthias* Linnaeus 1758 -- (Compagno 1984:111 [ref. [6474](#)], Lloris & Rucabado 1991:27 [ref. [22530](#)], White et al. 2007:113 [ref. [29134](#)], Dyldin 2015:57 [ref. [34524](#)]). **Current status:** Synonym of *Squalus acanthias* Linnaeus 1758. Squalidae. Habitat: marine.

fernandinus, *Squalus* Molina [J. I.] 1782:229 [Saggio sulla storia naturale del Chile, del Signor Abate Giovanni Ignazio Molina.; ref. [17783](#)] Chile. No types known. •Valid as *Squalus fernandinus* Molina 1782 -- (Pequeño 1989:12 [ref. [14125](#)]). •Synonym of *Squalus blainville* (Risso 1827) -- (Lipej & Dulčić 2010:11 [ref. [36649](#)]). •Synonym of *Squalus mitsukurii* Jordan & Snyder 1903 -- (Castro 2011:65 [ref. [31457](#)]). •Synonym of *Squalus acanthias* Linnaeus 1758 -- (Compagno 1984:111 [ref. [6474](#)], Lloris & Rucabado 1991:27 [ref. [22530](#)], Compagno 2003:385 [ref. [26984](#)], White et al. 2007:113 [ref. [29134](#)], Ebert et al. 2010:22 [ref. [30955](#)], Dyldin 2015:57 [ref. [34524](#)], Viana et al. 2016:9 [ref. [34525](#)]). **Current status:** Synonym of *Squalus acanthias* Linnaeus 1758. Squalidae. Habitat: marine.

kirki, *Squalus* Phillipps [W. J.] 1931:361 [New Zealand Journal of Zoology, J. Sci. Tech. v. 12 (no. 6); ref. [16325](#)] Cook Strait, Wellington, New Zealand. Syntypes (?): NMV. Non-types: BMNH 1931.8.10.1 (1). •Synonym of *Squalus acanthias* Linnaeus 1758 -- (Compagno 1984:111 [ref. [6474](#)], Paxton et al. 1989:37 [ref. [12442](#)], Lloris & Rucabado 1991:27 [ref. [22530](#)], Last & Stevens 1994:99 [ref. [23873](#)], Hoese 2006:155 [ref. [28998](#)], White et al. 2007:113 [ref. [29134](#)], Dyldin 2015:57 [ref. [34524](#)], Viana et al. 2016:9 [ref. [34525](#)]). **Current status:** Synonym of *Squalus acanthias* Linnaeus 1758. Squalidae. Habitat: marine.

lebruni, *Acanthias* Vaillant [L. L.] 1888:13, Pl. 1 (figs. 2-2b) [Mission scientifique du Cap Horn, 1882-83 v. 6 (Zool.) (pt 1) (art. C); ref. [4495](#)] Orange Bay; Punta Arenas, Tierra del Fuego. Holotype: MNHN 1883-0201 or 0202 (? of 2, 700-mm male). Paratypes: (6) MNHN 1883-0201 or 0202 (? of 2). Type catalog: Bertin 1939:75 [ref. [20739](#)]. •Synonym of *Squalus acanthias* Linnaeus 1758 -- (Compagno 1984:111 [ref. [6474](#)], Lloris & Rucabado 1991:27 [ref. [22530](#)], White et al. 2007:113 [ref. [29134](#)], Dyldin 2015:57 [ref. [34524](#)], Viana et al. 2016:9 [ref. [34525](#)]). **Current status:** Synonym of *Squalus acanthias* Linnaeus 1758. Squalidae. Habitat: marine.

linnei, *Acanthias* Malm [A. W.] 1877:624 [ref. [2881](#)] Sweden, Skagerrak, Northeastern Atlantic. Possible type or Malm specimen: NMW 79091 (1). Original as *Linnéi*. Unnecessary replacement name for *Squalus acanthias* Linnaeus 1758. •Synonym of *Squalus acanthias* Linnaeus 1758 -- (Krefft & Tortonese 1973:37 [ref. [7165](#)], Compagno 1984:111 [ref. [6474](#)], Lloris & Rucabado 1991:27 [ref. [22530](#)], White et al. 2007:113 [ref. [29134](#)], Dyldin 2015:57 [ref. [34524](#)]). **Current status:** Synonym of *Squalus acanthias* Linnaeus 1758. Squalidae. Habitat: marine.

mediterraneus, *Spinax* Gistel [J.] 1848:103 [Naturgeschichte des Thierreichs; ref. [1822](#)] No types known. •Synonym of *Squalus acanthias* Linnaeus 1758 -- (Compagno 1984:111 [ref. [6474](#)], Lloris & Rucabado 1991:27 [ref. [22530](#)], White et al. 2007:113 [ref. [29134](#)], Dyldin 2015:57 [ref. [34524](#)]). **Current status:** Synonym of *Squalus acanthias* Linnaeus 1758. Squalidae. Habitat: marine.

megalops, *Acanthias* Macleay [W.] 1881:367 [Proceedings of the Linnean Society of New South Wales v. 6 (pt 2); ref. [6222](#)] Port Jackson, New South Wales, Australia [Tasman Sea, southwestern Pacific]. Holotype (unique): AMS I.16255-001 [ex MAMU F24]. Type catalog: Stanbury 1969:205 [ref. [19518](#)]. Last et al. 2007:22 [ref. [29125](#)] question the conspecific nature of included populations. Some references to *Squalus megalops* and *Squalus acutipinnis* are this species. •Valid as *Squalus megalops* (Macleay 1881) -- (Compagno 1984:118 [ref. [6474](#)], Bass et al. 1986:62 [ref. [5636](#)], Paxton et al. 1989:37 [ref. [12442](#)], Muñoz-Chápuli & Ramos 1989:6 [ref. [12577](#)], Springer 1990:13 [ref.

[19315](#)], Compagno et al. 1991:68 [ref. [21083](#)], Bianchi & Carpenter in Bianchi et al. 1993:84 [ref. [25472](#)], Gomon et al. 1994:106 [ref. [22532](#)], Last & Stevens 1994:99 [ref. [23873](#)], Compagno & Niem 1998:1230 [ref. [23787](#)], Fricke 1999:27 [ref. [24106](#)], Compagno 1999:472 [ref. [25589](#)], Compagno in Randall & Lim 2000:581 [ref. [25122](#)], Laboute & Grandperrin 2000:492 [ref. [25191](#)], Hutchins 2001:15 [ref. [25847](#)], Youn 2002:60, 478 [ref. [26218](#)], Manilo & Bogorodsky 2003:S93 [ref. [27377](#)], Baranes 2003:42 [ref. [27888](#)], Randall et al. 2004:5 [ref. [27624](#)], Heemstra & Heemstra 2004:53 [ref. [28072](#)], Shinohara et al. 2005:396 [ref. [28370](#)], Compagno et al. 2005:49 [ref. [29145](#)] as cf. *melalops*, Hoese 2006:155 [ref. [28998](#)], Last et al. 2007:17 [ref. [29125](#)], Duffy & Last 2007:36 [ref. [29127](#)], White et al. 2007:107 [ref. [29133](#)], White et al. 2007:110, 114 [ref. [29134](#)], White 2008:84 [ref. [30617](#)], Fricke et al. 2009:11 [ref. [30213](#)], Fricke et al. 2011:346 [ref. [31242](#)], White & Iglésias 2011:2 [ref. [31482](#)], Naylor et al. 2012:58 [ref. [34345](#)] see remarks, Weigmann 2016:68 [ref. [34211](#)], Viana et al. 2016:4, 81 [ref. [34525](#)], Compagno 2016:1162 [ref. [34544](#)], Viana & Carvalho 2016:552 [ref. [34673](#)], Nión et al. 2016:21 [ref. [35565](#)], Viana et al. 2017:[4] [ref. [35249](#)], Freitas et al. 2018:69 [ref. [36259](#)], Kumar et al. 2018:295 [ref. [36178](#)], Pflieger et al. 2018:113 [ref. [36011](#)], Viana & Carvalho 2018:174 [ref. [35959](#)]). **Current status:** Valid as *Squalus megalops* (Macleay 1881). Squalidae. Distribution: Circumglobal in tropical and temperate seas, discontinuous: eastern Atlantic and western Indian Ocean: Cape Verde Islands, South Africa and East Africa to Madagascar and Mascarenes; eastern Indian Ocean: Andaman Islands, southern Australia; southwestern Pacific: south-eastern Australia, New Caledonia and Solomon Islands; northwestern Pacific: Vietnam to Korea and southern Japan. Habitat: marine.

ponticus, *Squalus acanthias* Myagkov [N. A.] & Kondyurin [V. V.] 1986:562 [3] [Voprosy Ikhtiologii v. 26 (no. 4); ref. [8063](#)] Feodoria region, Black Sea. Syntypes: ZMMU P-15983 (104, embryos from one female [now 3 spec.]). Type catalog: Vasil'eva et al. 2001:13 [ref. [25714](#)]. On p. 3 of English translation. •Synonym of *Squalus acanthias* Linnaeus 1758, but apparently a valid subspecies *ponticus* Myagkov & Kondyurin 1986 -- (Ebert et al. 2010:33 [ref. [30955](#)]). •Synonym of *Squalus acanthias* Myagkov & Kondyurin 1986 -- (Parin et al. 2014:25 [ref. [33547](#)], Dyldin 2015:57 [ref. [34524](#)]). **Current status:** Synonym of *Squalus acanthias* Linnaeus 1758. Squalidae. Habitat: marine.

spinax, *Squalus* Linnaeus [C.] 1758:233 [Systema Naturae, Ed. X v. 1; ref. [2787](#)] Genoa, Italy, Mediterranean Sea [original: "In Europa"]. No types known. Originally based on 4 pre-Linnaean sources including Artedi 1738:67 [ref. [30578](#)] and Artedi 1738:95 [ref. [30349](#)] as *Squalus pinna ani carens, naribus in extremo rostro*; Willughby 1686:57 [ref. [30164](#)] and Ray 1713:21 [ref. [30231](#)] as *Galeus acanthias s. spinax fuscus*. •Valid as *Etmopterus spinax* (Linnaeus 1758) -- (Krefft & Tortonese 1973:42 [ref. [7165](#)], McEachran & Branstetter in Whitehead et al. 1984:141 [ref. [13675](#)], Compagno 1984:85 [ref. [6474](#)], Gubanov & Timoxin 1989:225 [ref. [36138](#)], Fricke & Koch 1990:7 [ref. [15494](#)], Santos et al. 1997:13 [ref. [23531](#)], Arruda 1997:21 [ref. [24952](#)], Compagno 1999:473 [ref. [25589](#)], Bilecenoğlu et al. 2002:15 [ref. [26753](#)], Last et al. 2002:203 [ref. [26556](#)], Fricke 2007:26 [ref. [30577](#)], Fricke et al. 2007:16 [ref. [29533](#)], George 2009:55 [ref. [30539](#)], Lipej & Dulčić 2010:10 [ref. [36649](#)], Straube et al. 2011:138 [ref. [31563](#)], Straube et al. 2011:62 [ref. [31679](#)], Parin et al. 2014:27 [ref. [33547](#)], Goren & Galil 2015:511 [ref. [33910](#)], Vásquez et al. 2015:53 [ref. [34111](#)], Dyldin 2015:55 [ref. [34524](#)], Weigmann 2016:62 [ref. [34211](#)], Bañón et al. 2016:298 [ref. [34397](#)], Compagno 2016:1184 [ref. [34544](#)]). **Current status:** Valid as *Etmopterus spinax* (Linnaeus 1758). Etmopteridae. Distribution: Western Baltic Sea, northern North Sea, Mediterranean Sea, eastern Atlantic: Iceland and Norway to Senegal. Habitat: marine.

suckleyi, *Spinax (Acanthias)* Girard [C. F.] 1855:196 [Proceedings of the Academy of Natural Sciences of Philadelphia v. 7 (no. 6); ref. [18001](#)] Hood Channel, Puget Sound, Washington, U.S.A., 47°22'N, 123°05'W, depth 30 meters over bottom of 55 meters. Neotype: CAS 227267. Syntypes lost. Neotype established in Ebert et al. 2010:28, 33 [ref. [30955](#)]. Also spelled *sucklii* in early literature. •Synonym of *Squalus acanthias* Linnaeus 1758 -- (Compagno 1984:111 [ref. [6474](#)], Lloris & Rucabado 1991:27 [ref. [22530](#)], Sheiko & Fedorov 2000:15 [ref. [25650](#)], White et al. 2007:113 [ref. [29134](#)], Castro 2011:55 [ref. [31457](#)]). •Valid as *Squalus suckleyi* (Girard 1855) -- (Ebert et al. 2010:28 [ref. [30955](#)], Page et al. 2013:53 [ref. [32708](#)] dated 1854, Ebert et al. 2013:2874 [ref. [33045](#)] dated 1854, Parin et al. 2014:26 [ref. [33547](#)], Del Moral-Flores et al. 2016:58 [ref. [34398](#)], Mecklenburg & Steinke 2015:163 [ref. [34033](#)], Dyldin 2015:57 [ref. [34524](#)], Weigmann 2016:66, 68

[ref. [34211](#)], Mecklenburg et al. 2016:18 [ref. [34440](#)], Viana et al. 2016:4 [ref. [34525](#)], Lee et al. 2016:493 [ref. [34692](#)], Kells et al. 2016:74 [ref. [35888](#)], Ebert et al. 2017:51 [ref. [35618](#)], Dyldin & Orlov 2018:165 [ref. [35920](#)], Ehemann et al. 2018:24 [ref. [36194](#)], Mecklenburg et al. 2018:36 [ref. [36370](#)]). **Current status:** Valid as *Squalus suckleyi* (Girard 1855). Squalidae. Distribution: North Pacific: Korea and Japan to Russia, Bering Sea and Aleutian Islands south to Baja California (Mexico). Habitat: marine.

tasmaniensis, Squalus Howell Rivero [L.] 1936:267, Pl. 10 [Occasional Papers of the Boston Society of Natural History v. 8; ref. [18314](#)] Hobart, Tasmania, Australia. Holotype (unique): MCZ 146-S. •Synonym of *Squalus mitsukurii* Jordan & Snyder 1903 -- (Compagno 1984:121 [ref. [6474](#)] with question, Paxton et al. 1989:37 [ref. [12442](#)]). •Synonym of *Squalus megalops* (Macleay 1881) -- (Last & Stevens 1994:100 [ref. [23873](#)], Hoese 2006:155 [ref. [28998](#)]). •Synonym of *Squalus acanthias* Linnaeus 1758 -- (White et al. 2007:112 [ref. [29134](#)], Dyldin 2015:57 [ref. [34524](#)], Viana et al. 2016:9, 31 [ref. [34525](#)]). **Current status:** Synonym of *Squalus acanthias* Linnaeus 1758. Squalidae. Habitat: marine.

vulgaris, Acanthias Risso [A.] 1827:131 [Histoire naturelle des principales productions de l'Europe méridionale v. 3; ref. [3757](#)] Nice, France, northwestern Mediterranean Sea; northeastern Atlantic. No types known. Unnecessary replacement name for *Squalus acanthias* Linnaeus 1758. •Synonym of *Squalus acanthias* Linnaeus 1758 -- (Krefft & Tortonese 1973:37 [ref. [7165](#)], Compagno 1984:111 [ref. [6474](#)], Springer 1990:12 [ref. [19315](#)], Lloris & Rucabado 1991:27 [ref. [22530](#)], Last & Stevens 1994:99 [ref. [23873](#)], Bilecenoğlu et al. 2002:17 [ref. [26753](#)], White et al. 2007:113 [ref. [29134](#)], Lipej & Dulčić 2010:11 [ref. [36649](#)], Dyldin 2015:57 [ref. [34524](#)], Viana et al. 2016:9 [ref. [34525](#)]). **Current status:** Synonym of *Squalus acanthias* Linnaeus 1758. Squalidae. Habitat: marine.

vulgaris, Acanthias Bonaparte [C. L.] 1846:15 [Atti della Settima Adunanza degli Scienziati Italiani Sesta Riunione, Milano 7a Adunanza, Napoli, Part 2; ref. [519](#)] Apparently the same as, and preoccupied by *Acanthias vulgaris* Risso 1827 = *Squalus acanthias* Linnaeus 1758; objectively invalid. •Synonym of *Squalus acanthias* Linnaeus 1758 -- (Dyldin 2015:57 [ref. [34524](#)]). **Current status:** Synonym of *Squalus acanthias* Linnaeus 1758. Squalidae. Habitat: marine.

wakiyae, Squalus Tanaka [S.] 1918:475, Pl. 130 (figs. 368-370) [Figures and descriptions of the fishes of Japan v. 27; ref. [14911](#)] Watanoha, Ishinomaki, Miyagi Prefecture, Japan, depth 225 meters. Syntypes: (2 or more) ZUMT 7362 (1, lost). The spelling *wakiyae* is acceptable; early workers almost certainly Latinized the name first, and then added an 'e' (Art. 31.1.1) [WNE, 12 Mar. 2012] -- we suggest using *wakiyae* when the species is treated as valid. •Synonym of *Squalus acanthias* Linnaeus 1758 -- (Compagno 1984:111 [ref. [6474](#)], Lloris & Rucabado 1991:27 [ref. [22530](#)], White et al. 2007:113 [ref. [29134](#)]). **Current status:** Synonym of *Squalus acanthias* Linnaeus 1758. Squalidae. Habitat: marine.

whitleyi, Squalus Phillipps [W. J.] 1931:361 [New Zealand Journal of Zoology, J. Sci. Tech. v. 12 (no. 6); ref. [16325](#)] Hobson's Bay, Victoria, Australia. No types known. Based on a literature source. •Synonym of *Squalus acanthias* Linnaeus 1758 -- (Compagno 1984:111 [ref. [6474](#)], Paxton et al. 1989:37 [ref. [12442](#)], Lloris & Rucabado 1991:27 [ref. [22530](#)], Last & Stevens 1994:99 [ref. [23873](#)], Hoese 2006:155 [ref. [28998](#)], White et al. 2007:113 [ref. [29134](#)], Dyldin 2015:57 [ref. [34524](#)]). **Current status:** Synonym of *Squalus acanthias* Linnaeus 1758. Squalidae. Habitat: marine.

RHINIDAE

RHYNCHOBATUS AUSTRALIAE

Species that contain: Rhynchobatus and australiae (not including unavailable names) [1] records

australiae, *Rhynchobatus djiddensis* Whitley [G. P.] 1939:245, Fig. 14 [Australian Zoologist v. 9 (pt 3); ref. [4695](#)] Off Manning River mouth, New South Wales, Australia. Holotype (unique): AMS IA.4959. •Synonym of *Rhynchobatus djiddensis* (Forsskål 1775) -- (Paxton et al. 1989:54 [ref. [12442](#)], Last & Stevens 1994:298 [ref. [23873](#)]). •Valid as *Rhynchobatus australiae* Whitley 1939 -- (Compagno & Last 1999:1421 [ref. [24637](#)], Compagno 1999:485 [ref. [25589](#)], Compagno in Randall & Lim 2000:582 [ref. [25122](#)], Bonfil & Abdallah 2004:47 [ref. [27735](#)], Compagno et al. 2005:60 [ref. [29145](#)], Paxton et al. 2006:175 [ref. [28994](#)], Compagno & Last 2008:230 [ref. [29689](#)], Compagno & Last 2010:77 [ref. [30851](#)], Last et al. 2010:148 [ref. [32461](#)], Weigmann 2011:254 [ref. [32424](#)], Allen & Erdmann 2012:62 [ref. [31980](#)], Larson et al. 2013:17 [ref. [32988](#)], Last et al. 2013:185 [ref. [33039](#)], Ebert et al. 2013:346 [ref. [33045](#)], Yoshida et al. 2013:13 [ref. [34464](#)], Bineesh et al. 2014:1267 [ref. [33218](#)], Weigmann 2016:82 [ref. [34211](#)], Last et al. 2016:472 [ref. [34473](#)], Last et al. 2016:233 [ref. [34563](#)], Last et al. 2016:68 [ref. [34992](#)], White et al. 2017:202 [ref. [35860](#)], Fricke et al. 2018:23 [ref. [35805](#)], Kumar et al. 2018:297 [ref. [36178](#)], White & Ko'ou 2018:47 [ref. [35922](#)], Fricke et al. 2019:43 [ref. [36673](#)]). **Current status:** Valid as *Rhynchobatus australiae* Whitley 1939. Rhinidae. Distribution: Indo-West Pacific: East Africa and Persian Gulf east to Philippines and New Ireland (New Guinea), south to eastern Australia. Habitat: marine.

RHINOBATIDAE

RHINOBATOS RHINOBATOS

Species that contain: Rhinobatos and rhinobatos (not including unavailable names) [**59**] records

acutus, *Rhinobatus* Garman [S.] 1908:253 [Bulletin of the Museum of Comparative Zoology v. 51 (no. 9); ref. [1543](#)] Sri Lanka. Holotype (unique): MCZ 807-S. Type catalog: Hartel & Dingerkus 1997:xlii [ref. [23119](#)]. •Synonym of *Rhinobatos granulatus* Cuvier 1829 -- (Hartel & Dingerkus 1997:xx [ref. [23119](#)]). •Synonym of *Glaucostegus granulatus* (Cuvier 1829). **Current status:** Synonym of *Glaucostegus granulatus* (Cuvier 1829). Glaucostegidae. Habitat: marine.

albomaculatus, *Rhinobatus* Norman [J. R.] 1930:226, Figured [Annals and Magazine of Natural History (Series 10) v. 6 (no. 32) (art. 28); ref. [16115](#)] Accra, Ghana. Holotype (unique): BMNH 1930.3.24.2. •Valid as *Rhinobatos albomaculatus* Norman 1930 -- (Compagno & Randall 1987:339 [ref. [9128](#)], Stehmann 1990:24 [ref. [19316](#)] as *albomaculatatus*, Compagno 1999:485 [ref. [25589](#)], Weigmann 2016:86 [ref. [34211](#)], Last et al. 2016:470 [ref. [34473](#)], Séret 2016:1362 [ref. [34545](#)], White et al. 2016:596 [ref. [34839](#)], Séret et al. 2016:95 [ref. [34993](#)], Ebert & Gon 2017:205 [ref. [35352](#)]). **Current status:** Valid as *Rhinobatos albomaculatus* Norman 1930. Rhinobatidae. Distribution: Eastern Atlantic: Senegal to Angola. Habitat: brackish, marine.

annandalei, *Rhinobatus* Norman [J. R.] 1926:960, Fig. 13 [Proceedings of the Zoological Society of London 1926 (pt 4); ref. [3215](#)] East channel, mouth of Hughli [Hooghly] River, Bay of Bengal, India, depth 40 fathoms [about 70 meters]. Lectotype: BMNH 1909.7.12.1 [ex ZSI]. Paralectotype: BMNH 1909.7.12.2 [ex ZSI] (1). Lectotype selected by Last et al. 2019:259 [ref. [36614](#)]. •Valid as *Rhinobatos annandalei* Norman 1926 -- (Compagno & Randall 1987:340 [ref. [9128](#)], Talwar & Jhingran 1991:37 [ref. [20764](#)], Morón et al. 1999:149 [ref. [24253](#)], Vossoughi & Vosoughi 1999:302 [ref. [25467](#)], Compagno 1999:485 [ref. [25589](#)], Sujatha 2002:157 [ref. [26899](#)], Manilo & Bogorodsky 2003:S93 [ref. [27377](#)], Last 2004:208 [ref. [27765](#)], Last et al. 2006:267 [ref. [29418](#)], Psomadakis et al. 2015:99 [ref. [34104](#)] as cf. *annandalei*, Weigmann 2016:86 [ref. [34211](#)], Last et al. 2016:470 [ref. [34473](#)], White et al. 2016:596 [ref. [34839](#)], Séret et al. 2016:96 [ref. [34993](#)], Ebert & Gon

2017:205 [ref. [35352](#)], Fernando et al. 2019:220 [ref. [36642](#)], Last et al. 2019:259 [ref. [36614](#)]). **Current status:** Valid as *Rhinobatos annandalei* Norman 1926. Rhinobatidae. Distribution: Indian Ocean: Oman east to India, Sri Lanka and Myanmar. Habitat: brackish, marine.

annulatus, *Rhinobatus (Syrrhina)* Smith [A.] in Müller & Henle 1841:116 [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Cape of Good Hope, South Africa. Syntypes: (2) BMNH 1843.2.29.22 (1, stuffed), MNHN A-8586 (1). •Valid as *Rhinobatos annulatus* Smith 1841 -- (Compagno 1986:129 [ref. [5648](#)], Compagno et al. 1991:88 [ref. [21083](#)], Bianchi & Carpenter in Bianchi et al. 1993:90 [ref. [25472](#)], Compagno 1999:485 [ref. [25589](#)], Heemstra & Heemstra 2004:78 [ref. [28072](#)], Ali et al. 2018:303 [ref. [36183](#)] as *Rhinobatus a.*). •Valid as *Acroteriobatus annulatus* (Müller & Henle 1841) -- (Weigmann 2016:83 [ref. [34211](#)], Last et al. 2016:465 [ref. [34473](#)], Last et al. 2016:283 [ref. [34741](#)], Séret et al. 2016:79 [ref. [34993](#)]). **Current status:** Valid as *Acroteriobatus annulatus* (Smith 1841). Rhinobatidae. Distribution: Southeastern Atlantic, southwestern Indian Ocean: southern Africa. Habitat: brackish, marine.

armatus, *Rhinobatus* Gray [J. E.] 1834:no page number, Pl. 99 [Illustrations of Indian zoology; ref. [1878](#)] India. Holotype (unique): BMNH 1953.8.10.11. Published about 12 Mar. 1834. •Synonym of *Rhinobatos typus* Anonymous [Bennett] 1830 -- (Last & Stevens 1994:291 [ref. [23873](#)]). •Synonym of *Glaucostegus typus* (Anonymous [Bennett] 1830) -- (Compagno et al. 2005:61 [ref. [29145](#)], Kottelat 2013:24 [ref. [32989](#)]). **Current status:** Synonym of *Glaucostegus typus* (Anonymous [Bennett] 1830). Glaucostegidae. Habitat: freshwater, brackish, marine.

austini, *Rhinobatos* Ebert [D. A.] & Gon [O.] 2017:205, Figs. 1-6 [Zootaxa 4276 (no. 2); ref. [35352](#)] Near Port Shepstone, KwaZulu-Natal Province, South Africa, 30°50'S, 30°29'E. Holotype: SAIAB 75223. Paratypes: SAIAB, iSAM MB. •Valid as *Rhinobatos austini* Ebert & Gon 2017 -- (Fricke et al. 2018:23 [ref. [35805](#)], Last et al. 2019:284 [ref. [36614](#)]). **Current status:** Valid as *Rhinobatos austini* Ebert & Gon 2017. Rhinobatidae. Distribution: South and East Africa to Madagascar. Habitat: marine.

batillum, *Rhinobatos* Whitley [G. P.] 1939:245, Fig. 13 [Australian Zoologist v. 9 (pt 3); ref. [4695](#)] Shark Bay, Western Australia. Holotype (unique): Whitley coll. (whereabouts unknown). •Valid as *Rhinobatos batillum* Whitley 1939 -- (Paxton et al. 1989:53 [ref. [12442](#)], Randall et al. 1990:28 [ref. [15987](#)], Randall et al. 1997:28 [ref. [25919](#)]). •Synonym of *Rhinobatos typus* (Anonymous [Bennett] 1830) -- (Last & Stevens 1994:291 [ref. [23873](#)], Paxton et al. 2006:178 [ref. [28994](#)]). •Synonym of *Glaucostegus typus* (Anonymous [Bennett] 1830) -- (Compagno et al. 2005:61 [ref. [29145](#)], Kottelat 2013:24 [ref. [32989](#)]). **Current status:** Synonym of *Glaucostegus typus* (Anonymous [Bennett] 1830). Glaucostegidae. Habitat: freshwater, brackish, marine.

blochii, *Rhinobatus (Syrrhina)* Müller [J.] & Henle [F. G. J.] 1841:115, [Pl. 37 (right)] [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Cape of Good Hope, South Africa. Syntypes: (orig. 14, stuffed) MNHN 0000-1256 (1), 0000-3460 (1, dry), 0000-3471 (1), 0000-3473 (1, dry), 0000-3474 (1, dry), A-7853 (1), A-7854 (3); ZMB 4547 (1). Type catalog: Bertin 1939:79 [ref. [20739](#)], Séret & McEachran 1987:10 [ref. [9312](#)], Paepke & Schmidt 1988:175 [ref. [21041](#)], Paepke 1999:123 [ref. [24282](#)]. Species also spelled *blochi* by current authors. •Valid as *Rhinobatos blochii* Müller & Henle 1841 -- (Compagno 1986:130 [ref. [5648](#)], Stehmann 1990:24 [ref. [19316](#)], Bianchi & Carpenter in Bianchi et al. 1993:91 [ref. [25472](#)], Compagno 1999:485 [ref. [25589](#)]). •Valid as *Acroteriobatus blochii* (Müller & Henle 1841) -- (Weigmann 2016:84 [ref. [34211](#)], Last et al. 2016:465 [ref. [34473](#)], Séret 2016:1360 [ref. [34545](#)], Last et al. 2016:283 [ref. [34741](#)], Séret et al. 2016:80 [ref. [34993](#)]). **Current status:** Valid as *Acroteriobatus blochii* (Müller & Henle 1841). Rhinobatidae. Distribution: Southeastern Atlantic: Namibia south to western South Africa. Habitat: marine.

borneensis, *Rhinobatos* Last [P. R.], Séret [B.] & Naylor [G. J. P.] 2016:453, Figs. 2-9 [Zootaxa 4117 (no. 4); ref. [34473](#)] Kota Kinabalu fish market, Sabah, Malaysia (05°58'57.66"N, 116°04'19.83"E). Holotype: SMEC 373. Paratypes: CSIRO, IPMB-I, SMEC. Plus additional non-type specimens. •Valid as *Rhinobatos borneensis* Last, Séret & Naylor 2016 -- (White et al. 2016:596

[ref. [34839](#)], Séret et al. 2016:97 [ref. [34993](#)], Ebert & Gon 2017:205 [ref. [35352](#)], Motomura et al. 2017:24 [ref. [35490](#)], Last et al. 2019:284 [ref. [36614](#)]. **Current status:** Valid as *Rhinobatos borneensis* Last, Séret & Naylor 2016. Rhinobatidae. Distribution: Malaysia and Philippines. Habitat: marine.

cemiculus, *Rhinobatus* Geoffroy St. Hilaire [E.] 1817:no page number, Pl. 27 (fig. 3) [Poissons du Nil v. 1 (part 1); ref. [4184](#)] Lake Menzilah, Alexandria, Egypt, Mediterranean Sea. Syntypes: MNHN 1966 (2, poor condition). Type catalog: Bertin 1939:79 [ref. [20739](#)], Séret & McEachran 1987:11 [ref. [9312](#)]. •Mentioned -- (Dor 1984:15 [ref. [29757](#)]). •Valid as *Rhinobatus cemiculus* Geoffroy St. Hilaire 1817 -- (Goren & Dor 1994:4 [ref. [25356](#)]). •Valid as *Rhinobatos cemiculus* Geoffroy St. Hilaire 1817 -- (Krefft & Stehmann 1973:53 [ref. [7167](#)], McEachran & Capapé in Whitehead et al. 1984:157 [ref. [13675](#)], Stehmann 1990:25 [ref. [19316](#)], Capapé et al. 1999:51 [ref. [25276](#)], Compagno 1999:485 [ref. [25589](#)], Bilecenoğlu et al. 2002:20 [ref. [26753](#)], Fricke et al. 2007:17 [ref. [29533](#)], Golani & Bogorodsky 2010:57 [ref. [35264](#)], Wirtz et al. 2013:116 [ref. [32972](#)]). •Valid as *Glaucostegus cemiculus* (Geoffroy St. Hilaire 1817) -- (Weigmann 2016:84 [ref. [34211](#)] with author as Geoffroy Saint-Hilaire, see remarks, Last et al. 2016:473 [ref. [34473](#)], Séret 2016:1361 [ref. [34545](#)], Séret et al. 2016:111 [ref. [34993](#)], Freitas et al. 2018:69 [ref. [36259](#)]). **Current status:** Valid as *Glaucostegus cemiculus* (Geoffroy St. Hilaire 1817). Glaucostegidae. Distribution: Mediterranean Sea, eastern Atlantic: Portugal south to Angola, including Cape Verde Islands. Habitat: brackish, marine.

colonna, *Squatinatoraja* Nardo [G. D.] 1824:61 [Giornale di fisica, chimica e storia naturale, medicina, ed arti. (series 2) v. 7; ref. [3144](#)] Still researching; not in reference 3144 or 3146; Fowler 1969 [ref. [6832](#)] lists as in above reference, p. 61. •Synonym of *Rhinobatos rhinobatos* (Linnaeus 1758). **Current status:** Synonym of *Rhinobatos rhinobatos* (Linnaeus 1758). Rhinobatidae. Habitat: freshwater, brackish, marine.

columnae, *Rhinobatus* Bonaparte [C. L.] 1836: fasc. 14, 17, Pl. 152 [Iconografia della fauna italiana; ref. [4892](#)] Italy, western Mediterranean Sea. Syntypes: ANSP 476-477 (2). Type catalog: Böhlke 1984:149 [ref. [13621](#)]. •Synonym of *Rhinobatos rhinobatos* (Linnaeus 1758) -- (Krefft & Stehmann 1973:53 [ref. [7167](#)], Bilecenoğlu et al. 2002:21 [ref. [26753](#)]). **Current status:** Synonym of *Rhinobatos rhinobatos* (Linnaeus 1758). Rhinobatidae. Habitat: freshwater, brackish, marine.

congolensis, *Rhinobatus* Giltay [L.] 1928:21, Fig. 1 [Annales de la Société Royale Zoologique de Belgique v. 59; ref. [5065](#)] Congo (precise locality unknown, but very likely at the mouth of the Congo River). Holotype (unique): IRSNB 31. Type catalog: Walschaerts 1987:5 [ref. [20755](#)]. •Synonym of *Rhinobatos cemiculus* Geoffroy St. Hilaire 1817 -- (Stehmann 1990:25 [ref. [19316](#)]). •Synonym of *Glaucostegus cemiculus* (Geoffroy St. Hilaire 1817) -- (Séret 2016:1361 [ref. [34545](#)]). **Current status:** Synonym of *Glaucostegus cemiculus* (Geoffroy St. Hilaire 1817). Glaucostegidae. Habitat: brackish, marine.

duhameli, *Rhinobatis* Blainville [H. de] 1825:48, Pl. 11 (figs. 1-2) [Faune Française; ou histoire naturelle Livr. 13 & 14; ref. [4991](#)] Sicily, Italy, Mediterranean Sea. No types at MNHN. Type catalog: Séret & McEachran 1987:30 [ref. [9312](#)]. •Synonym of *Rhinobatos rhinobatos* (Linnaeus 1758) -- (Krefft & Stehmann 1973:53 [ref. [7167](#)]). **Current status:** Synonym of *Rhinobatos rhinobatos* (Linnaeus 1758). Rhinobatidae. Habitat: freshwater, brackish, marine.

dumerilii, *Rhinobatus* Castelnau [F. L.] 1873:148 [Proceedings of the Zoological and Acclimatisation Society of Victoria, Melbourne v. 2; ref. [758](#)] Western Australia. Holotype (unique): whereabouts unknown. •Valid as *Rhinobatos dumerilii* Castelnau 1873 but may be senior synonym of *R. batillum* - (Paxton et al. 1989:53 [ref. [12442](#)]). •Synonym of *Trygonorrhina fasciata* Müller & Henle 1841 -- (Last & Stevens 1994:293 [ref. [23873](#)], Paxton et al. 2006:179 [ref. [28994](#)]). •Valid as *Trygonorrhina dumerilii* (Castelnau 1873) -- (Last & Stevens 2009:313 [ref. [23873](#)], Donnellan et al. 2015:367 [ref. [33864](#)], Weigmann 2016:88 [ref. [34211](#)], Last et al. 2016:464 [ref. [34473](#)], Last & Séret 2016:122 [ref. [34994](#)], Hoschke et al. 2019:153 [ref. [36626](#)]). **Current status:** Valid as *Trygonorrhina dumerilii* (Castelnau 1873). Trygonorrhinidae. Distribution: Southern Australia. Habitat: marine.

electricus, *Rhinobatus* Bloch [M. E.] & Schneider [J. G.] 1801:356 [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] Brazil. No types known. Based on "Puraque" of Markgraf von Liebstadt 1648:151 [ref. [30347](#)]. Apparently described independent of *Raja percellens* Walbaum 1792, but based on the same source. •Synonym of *Rhinobatos percellens* (Walbaum 1792). **Current status:** Synonym of *Rhinobatos percellens* (Walbaum 1792). Rhinobatidae. Habitat: marine.

formosensis, *Rhinobatus* Norman [J. R.] 1926:958, Fig. 11 [Proceedings of the Zoological Society of London 1926 (pt 4); ref. [3215](#)] Taiwan. Syntypes: BMNH 1862.12.6.69-70 (2). Type catalog: Ho & Shao 2011:20 [ref. [31432](#)]. •Valid as *Rhinobatos formosensis* Norman 1926 -- (Compagno & Randall 1987:340 [ref. [9128](#)], Compagno & Last 1999:1427 [ref. [24637](#)], Compagno 1999:485 [ref. [25589](#)], Compagno in Randall & Lim 2000:582 [ref. [25122](#)], Last 2004:208 [ref. [27765](#)], Compagno et al. 2005:62 [ref. [29145](#)], Last et al. 2006:267 [ref. [29418](#)], Ho & Shao 2011:20 [ref. [31432](#)], Weigmann 2016:86 [ref. [34211](#)] see remarks). •Synonym of *Rhinobatos schlegelii* Müller & Henle 1841 -- (Last et al. 2016:459 [ref. [34473](#)], Séret et al. 2016:108 [ref. [34993](#)]). **Current status:** Synonym of *Rhinobatos schlegelii* Müller & Henle 1841. Rhinobatidae. Distribution: Western North Pacific: Malaysia (Borneo), Philippines and Taiwan. Habitat: marine.

glaucostigma, *Rhinobatus* Jordan [D. S.] & Gilbert [C. H.] 1883:210 [Proceedings of the United States National Museum v. 6 (no. 14, no. 370) (for 5 Oct. 1883); ref. [10622](#)] Mazatlán, Sinaloa, western Mexico. Syntypes: USNM 28205-06 (1, 1), 29547 (1, not found in 1980), 29602 (1, not found in 1980). •Valid as *Rhinobatus glaucostigma* Jordan & Gilbert 1883 -- (Acero P. & Franke 1995:13 [ref. [22546](#)], Compagno 1999:485 [ref. [25589](#)] as *glaucostigmus*). •Valid as *Rhinobatos glaucostigma* Jordan & Gilbert 1883 -- (McEachran in Fischer et al. 1995:780 [ref. [22829](#)], Castro-Aguirre & Espinosa Pérez 1996:19 [ref. [22793](#)], Castro-Aguirre et al. 1999:59 [ref. [24550](#)], Nelson et al. 2004:54 [ref. [27807](#)], Page et al. 2013:54 [ref. [32708](#)], Galván-Villa et al. 2016:143 [ref. [34871](#)], Del Moral-Flores et al. 2016:105 [ref. [34398](#)], Weigmann 2016:86 [ref. [34211](#)]). •Valid as *Pseudobatos glaucostigma* (Jordan & Gilbert 1883) -- (Last et al. 2016:470 [ref. [34473](#)] as *glaucostigmus*, Séret et al. 2016:87 [ref. [34993](#)] as *glaucostigmus*, Ehemann et al. 2018:26 [ref. [36194](#)] as *glaucostigmus*). **Current status:** Valid as *Pseudobatos glaucostigma* (Jordan & Gilbert 1883). Rhinobatidae. Distribution: Eastern Pacific. Habitat: marine.

granulatus, *Rhinobatus* Cuvier [G.] 1829:396 [Le Règne Animal (Edition 2) v. 2; ref. [995](#)] Puducherry, India Syntypes: MNHN 0000-1253 (1), 0000-1254 (1). Type catalog: Bertin 1939:79 [ref. [20739](#)], Séret & McEachran 1987:11 [ref. [9312](#)]. •Valid as *Rhinobatos granulatus* Cuvier 1829 -- (Dor 1984:14 [ref. [29757](#)], Paxton et al. 1989:53 [ref. [12442](#)], Goren & Dor 1994:4 [ref. [25356](#)], Randall & Compagno 1995:290 [ref. [22577](#)], Compagno & Last 1999:1428 [ref. [24637](#)], Vossoughi & Vosoughi 1999:302 [ref. [25467](#)], Compagno 1999:486 [ref. [25589](#)], Nakabo 2000:160 [ref. [25086](#)], Compagno in Randall & Lim 2000:582 [ref. [25122](#)], Nakabo 2002:160 [ref. [26001](#)], Sujatha 2002:157 [ref. [26899](#)], Manilo & Bogorodsky 2003:S93 [ref. [27377](#)], Khan 2003:6 [ref. [27710](#)], Bonfil & Abdallah 2004:45 [ref. [27735](#)], Shinohara et al. 2005:397 [ref. [28370](#)], Last et al. 2006:267 [ref. [29418](#)], Golani & Bogorodsky 2010:57 [ref. [35264](#)]). •Valid as *Glaucostegus granulatus* (Cuvier 1829) -- (Compagno et al. 2005:61 [ref. [29145](#)], Ebert et al. 2013:348 [ref. [33045](#)] with question, Psomadakis et al. 2015:98 [ref. [34104](#)] as cf. *granulatus*, Weigmann 2016:85 [ref. [34211](#)], Last et al. 2016:473 [ref. [34473](#)], Séret et al. 2016:112 [ref. [34993](#)], Ali et al. 2018:303 [ref. [36183](#)], Kumar et al. 2018:297 [ref. [36178](#)]). **Current status:** Valid as *Glaucostegus granulatus* (Cuvier 1829). Glaucostegidae. Distribution: Northern Indian Ocean: Persian Gulf and Gulf of Oman east to Myanmar. Habitat: marine.

halavi, *Raja* Forsskål [P. S.] 1775:19, viii [Descriptiones animalium (Forsskål); ref. [1351](#)] Jeddah, Saudia Arabia, Red Sea. No types known. •Valid as *Rhinobatos halavi* (Forsskål 1775) -- (Kreffft & Stehmann 1973:54 [ref. [7167](#)], Dor 1984:15 [ref. [29757](#)], Compagno & Randall 1987:340 [ref. [9128](#)], Goren & Dor 1994:4 [ref. [25356](#)], Randall & Compagno 1995:2919 [ref. [22577](#)], Randall 1995:42 [ref. [22896](#)], Compagno & Last 1999:1428 [ref. [24637](#)], Compagno 1999:485 [ref. [25589](#)], Compagno in Randall & Lim 2000:582 [ref. [25122](#)], Manilo & Bogorodsky 2003:S93 [ref. [27377](#)], Bonfil & Abdallah 2004:45 [ref. [27735](#)], Last et al. 2006:267 [ref. [29418](#)]). •Valid as *Glaucostegus halavi* (Forsskål 1775) -- (Compagno et al. 2005:61 [ref. [29145](#)], Psomadakis et al. 2012:15

[ref. [33457](#)], Psomadakis et al. 2015:98 [ref. [34104](#)], Weigmann 2016:85 [ref. [34211](#)], Last et al. 2016:473 [ref. [34473](#)], Séret et al. 2016:113 [ref. [34993](#)], Bogorodsky & Randall 2018:[20] 258 [ref. [36492](#)], Golani & Fricke 2018:14 [ref. [36273](#)]). **Current status:** Valid as *Glaucostegus haveli* (Forsskål 1775). Glaucostegidae. Distribution: Red Sea, northwestern Indian Ocean: Gulf of Oman, Pakistan. Habitat: marine.

holcorhynchus, Rhinobatus Norman [J. R.] 1922:318 [Annals and Magazine of Natural History (Series 9) v. 9 (no. 52); ref. [15357](#)] Zululand, KwaZulu-Natal, South Africa, southwestern Indian Ocean, depth 45 fathoms. Holotype (unique): BMNH 1922.1.13.18. •Valid as *Rhinobatos holcorhynchus* Norman 1922 -- (Compagno & Randall 1987:340 [ref. [9128](#)], Compagno 1999:485 [ref. [25589](#)], Last 2004:208 [ref. [27765](#)], Heemstra & Heemstra 2004:78 [ref. [28072](#)], Last et al. 2006:267 [ref. [29418](#)], Weigmann 2016:86 [ref. [34211](#)], Last et al. 2016:470 [ref. [34473](#)], White et al. 2016:596 [ref. [34839](#)], Séret et al. 2016:98 [ref. [34993](#)], Ebert & Gon 2017:205 [ref. [35352](#)] as *holcorhynchus* and *holcorhynchus* on p. 215, Fricke et al. 2018:23 [ref. [35805](#)], Last et al. 2019:284 [ref. [36614](#)]). **Current status:** Valid as *Rhinobatos holcorhynchus* Norman 1922. Rhinobatidae. Distribution: Southwestern Indian Ocean: South and East Africa to Madagascar. Habitat: marine.

horkelii, Rhinobatus (Rhinobatus) Müller [J.] & Henle [F. G. J.] 1841:122, [Pl. 41] [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Brasilien [Brazil]. Syntypes: (2) ZMB 4557 (1), 7850 (1, dry). Type catalog: Paepke & Schmidt 1988:175 [ref. [21041](#)]. •Valid as *Rhinobatos horkelii* Müller & Henle 1841 -- (Cervigón 1992:208 [ref. [23827](#)] as *horkelii*, Cervigón & Alcalá 1999:174 [ref. [24490](#)], Compagno 1999:485 [ref. [25589](#)], Menni & Stehmann 2000:76 [ref. [24909](#)] in an incertae sedis family, López et al. 2002:62 [ref. [26808](#)], Gomes & Gadig in Menezes et al. 2003:28 [ref. [27192](#)], McEachran & Carvalho 2003:530 [ref. [26985](#)], Weigmann 2016:86 [ref. [34211](#)], Nión et al. 2016:22 [ref. [35565](#)]). •Valid as *Pseudobatos horkelii* (Müller & Henle 1841) -- (Last et al. 2016:470 [ref. [34473](#)], Séret et al. 2016:88 [ref. [34993](#)], Spier et al. 2018:5 [ref. [36103](#)]). **Current status:** Valid as *Pseudobatos horkelii* (Müller & Henle 1841). Rhinobatidae. Distribution: Western Atlantic: southern Brazil south to northern Argentina. Habitat: marine.

hynnicephalus, Rhinobatus Richardson [J.] 1846:195 [Report of the British Association for the Advancement of Science 15th meeting [1845]; ref. [3742](#)] China Seas; Canton, China. No types known. Based on illustration by Reeves (see Whitehead 1970:207, Pl. 11a [ref. [11606](#)]). •Valid as *Rhinobatos hynnicephalus* Richardson 1846 -- (Nakaya in Masuda et al. 1984:12 [ref. [6441](#)], Compagno & Randall 1987:340 [ref. [9128](#)], Zheng & Qiu 1993:81 [ref. [21982](#)], Compagno 1999:486 [ref. [25589](#)], Nakabo 2000:160 [ref. [25086](#)], Compagno in Randall & Lim 2000:582 [ref. [25122](#)], Shinohara et al. 2001:290 [ref. [25995](#)], Nakabo 2002:160 [ref. [26001](#)], Youn 2002:65, 481 [ref. [26218](#)], Last 2004:208 [ref. [27765](#)], Last et al. 2006:267 [ref. [29418](#)], Yamashita et al. 2012:128 [ref. [32408](#)], Ebert et al. 2013:349 [ref. [33045](#)], Shinohara et al. 2014:234 [ref. [33330](#)], Last et al. 2014:42 [ref. [33525](#)], Weigmann 2016:87 [ref. [34211](#)], Last et al. 2016:459 [ref. [34473](#)], White et al. 2016:596 [ref. [34839](#)], Séret et al. 2016:99 [ref. [34993](#)], Ebert & Gon 2017:205 [ref. [35352](#)]). **Current status:** Valid as *Rhinobatos hynnicephalus* Richardson 1846. Rhinobatidae. Distribution: Western North Pacific. Habitat: marine.

irvinei, Rhinobatus Norman [J. R.] 1931:352, Fig. 1 [Annals and Magazine of Natural History (Series 10) v. 7 (no. 40); ref. [3220](#)] Ningo, 40 miles east of Accra, Ghana, western Africa. Holotype (unique): BMNH 1930.8.26.3. •Valid as *Rhinobatos irvinei* Norman 1931 -- (Compagno & Randall 1987:339 [ref. [9128](#)], Stehmann 1990:26 [ref. [19316](#)], Compagno 1999:486 [ref. [25589](#)], Weigmann 2016:87 [ref. [34211](#)], Last et al. 2016:470 [ref. [34473](#)], Séret 2016:1363 [ref. [34545](#)], White et al. 2016:596 [ref. [34839](#)], Séret et al. 2016:100 [ref. [34993](#)], Ebert & Gon 2017:205 [ref. [35352](#)]). **Current status:** Valid as *Rhinobatos irvinei* Norman 1931. Rhinobatidae. Distribution: Eastern Atlantic: Morocco to Angola. Habitat: marine.

jimbaranensis, Rhinobatos Last [P. R.], White [W. T.] & Fahmi [no initials] 2006:262, Figs. 1-3 [Cybium v. 30 (no.3); ref. [29418](#)] Jimbaran Bay, southern Bali, Indonesia. Holotype: MZB 12905. Paratypes: CSIRO (4 specimens). •Valid as *Rhinobatos jimbaranensis* Last, White & Fahmi 2006 -- (Last et al. 2014:41 [ref. [33525](#)], Weigmann 2016:87 [ref. [34211](#)], Last et al. 2016:459 [ref. [34473](#)],

White et al. 2016:596 [ref. [34839](#)], Séret et al. 2016:101 [ref. [34993](#)], Ebert & Gon 2017:205 [ref. [35352](#)], Last et al. 2019:282 [ref. [36614](#)]. **Current status:** Valid as *Rhinobatos jimbaranensis* Last, White & Fahmi 2006. Rhinobatidae. Distribution: Bali, Indonesia. Habitat: marine.

laevis, Rhinobatus Bloch [M. E.] & Schneider [J. G.] 1801:354, Pl. 71 [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] Japan. Holotype (unique): ZMB 5536 (stuffed). Type catalog: Paepke & Schmidt 1988:176 [ref. [21041](#)], Paepke 1999:123 [ref. [24282](#)]. As *Rhinobatos laevis* on plate. •Synonym of *Rhynchobatus djiddensis* (Forsskål 1775) -- (Dor 1984:14 [ref. [29757](#)], Vossoughi & Vosoughi 1999:302 [ref. [25467](#)] as *djeddensis*). •Valid as *Rhynchobatus laevis* (Bloch & Schneider 1801) -- (Compagno & Last 1999:1422 [ref. [24637](#)] as cf. *laevis*, Compagno 1999:485 [ref. [25589](#)], Compagno in Randall & Lim 2000:582 [ref. [25122](#)] as cf. *laevis*, Compagno et al. 2005:60 [ref. [29145](#)] as cf. *laevis*, Compagno & Last 2008:230 [ref. [29689](#)], Compagno & Last 2010:77 [ref. [30851](#)], Last et al. 2010:150 [ref. [32461](#)], Naylor et al. 2012:90 [ref. [34345](#)] see remarks, Larson et al. 2013:17 [ref. [32988](#)], Last et al. 2013:185 [ref. [33039](#)], Bineesh et al. 2014:1267 [ref. [33218](#)], Psomadakis et al. 2015:97 [ref. [34104](#)], Weigmann 2016:82 [ref. [34211](#)], Last et al. 2016:472 [ref. [34473](#)], Last et al. 2016:233 [ref. [34563](#)], Last et al. 2016:72 [ref. [34992](#)], Ali et al. 2018:303 [ref. [36183](#)]). **Current status:** Valid as *Rhynchobatus laevis* (Bloch & Schneider 1801). Rhinidae. Distribution: Indo-West Pacific: Persian Gulf and Gulf of Oman east to southern China, north to southern Japan. Habitat: marine.

lentiginosus, Rhinobatus Garman [S.] 1880:168 [Bulletin of the Museum of Comparative Zoology v. 6 (no. 11); ref. [17881](#)] Florida, U.S.A. Holotype (unique): MCZ 97-S. Type catalog: Hartel & Dingerkus 1997:xlii [ref. [23119](#)]. •Valid as *Rhinobatos lentiginosus* Garman 1880 -- (Robins & Ray 1986:35 [ref. [23100](#)], Boschung 1992:26 [ref. [23239](#)], Castro-Aguirre & Espinosa Pérez 1996:17 [ref. [22793](#)], McEachran & Fechhelm 1998:140 [ref. [23897](#)], Cervigón & Alcalá 1999:174 [ref. [24490](#)], Castro-Aguirre et al. 1999:59 [ref. [24550](#)], Compagno 1999:485 [ref. [25589](#)], Menni & Stehmann 2000:77 [ref. [24909](#)], Camargo & Isaac 2001:144 [ref. [27639](#)], McEachran & Carvalho 2003:530 [ref. [26985](#)], Nelson et al. 2004:55 [ref. [27807](#)], Page et al. 2013:54 [ref. [32708](#)], Del Moral-Flores et al. 2016:107 [ref. [34398](#)], Weigmann 2016:87 [ref. [34211](#)]). •Valid as *Pseudobatos lentiginosus* (Garman 1880) -- (Last et al. 2016:470 [ref. [34473](#)], Séret et al. 2016:89 [ref. [34993](#)], Ehemann et al. 2018:26 [ref. [36194](#)], Raz-Guzmán et al. 2018:344 [ref. [36407](#)]). **Current status:** Valid as *Pseudobatos lentiginosus* (Garman 1880). Rhinobatidae. Distribution: Western Atlantic: North Carolina (U.S.A.) south to Nicaragua, including Gulf of Mexico. Habitat: marine.

leucorhynchus, Rhinobates Günther [A.] 1867:604 [Proceedings of the Zoological Society of London 1866 (pt 3); ref. [1984](#)] Pacific coast of Panama. Holotype (unique): BMNH 1866.1.14.1. Described in more detail in Günther 1868:490 [ref. [1994](#)]. •Valid as *Rhinobates leucorhynchus* Günther 1867 -- (Acero P. & Franke 1995:13 [ref. [22546](#)]). •Valid as *Rhinobatos leucorhynchus* Günther 1867 -- (Bussing & López S. 1994:30 [ref. [23101](#)] as *leucorhynchus*, McEachran in Fischer et al. 1995:780 [ref. [22829](#)], Castro-Aguirre & Espinosa Pérez 1996:19 [ref. [22793](#)], Martinez et al. 1997:936 [ref. [24501](#)], Castro-Aguirre et al. 1999:60 [ref. [24550](#)], Compagno 1999:485 [ref. [25589](#)], Nelson et al. 2004:55 [ref. [27807](#)], Page et al. 2013:55 [ref. [32708](#)], Galván-Villa et al. 2016:143 [ref. [34871](#)], Del Moral-Flores et al. 2016:107 [ref. [34398](#)], Weigmann 2016:87 [ref. [34211](#)]). •Valid as *Pseudobatos leucorhynchus* (Günther 1867) -- (Last et al. 2016:470 [ref. [34473](#)], Séret et al. 2016:90 [ref. [34993](#)], Ehemann et al. 2018:26 [ref. [36194](#)]). **Current status:** Valid as *Pseudobatos leucorhynchus* (Günther 1867). Rhinobatidae. Distribution: Eastern Pacific: Gulf of Mexico south to Ecuador, including Galapagos Islands. Habitat: marine.

leucospilus, Rhinobatus Norman [J. R.] 1926:966, Fig. 18 [Proceedings of the Zoological Society of London 1926 (pt 4); ref. [3215](#)] Durban, KwaZulu-Natal, South Africa, southwestern Indian Ocean. Syntypes: BMNH 1905.6.8.12 (1), 1920.7.23.1 (1). •Valid as *Rhinobatos leucospilus* Norman 1926 - (Compagno 1986:131 [ref. [5648](#)], Compagno 1999:485 [ref. [25589](#)], Manilo & Bogorodsky 2003:S93 [ref. [27377](#)], Heemstra & Heemstra 2004:78 [ref. [28072](#)]). •Valid as *Acroteriobatus leucospilus* (Norman 1926) -- (Weigmann 2016:84 [ref. [34211](#)], Last et al. 2016:465 [ref. [34473](#)], Last et

al. 2016:283 [ref. [34741](#)], Séret et al. 2016:81 [ref. [34993](#)], Fricke et al. 2018:23 [ref. [35805](#)]). **Current status:** Valid as *Acroteriobatus leucospilus* (Norman 1926). Rhinobatidae. Distribution: Western Indian Ocean: South Africa to Mozambique. Habitat: marine.

lionotus, Rhinobatus Norman [J. R.] 1926:961, Fig. 14 [Proceedings of the Zoological Society of London 1926 (pt 4); ref. [3215](#)] East Channel, mouth of Hooghly River, Bay of Bengal, India, depth 40 fathoms [about 70 meters]. Holotype (unique): BMNH 1909.7.12.3 [ex ZSI]. •Valid as *Rhinobatos lionotus* Norman 1926 -- (Compagno & Randall 1987:340 [ref. [9128](#)], Talwar & Jhingran 1991:20 [ref. [20764](#)], Compagno 1999:486 [ref. [25589](#)], Last 2004:208 [ref. [27765](#)], Last et al. 2006:267 [ref. [29418](#)], Weigmann 2016:87 [ref. [34211](#)], Last et al. 2016:470 [ref. [34473](#)], White et al. 2016:596 [ref. [34839](#)], Séret et al. 2016:102 [ref. [34993](#)], Ebert & Gon 2017:205 [ref. [35352](#)], Last et al. 2019:265 [ref. [36614](#)]). **Current status:** Valid as *Rhinobatos lionotus* Norman 1926. Rhinobatidae. Distribution: Northern Indian Ocean: West Bengal to northwestern Andaman Sea. Habitat: marine.

manai, Rhinobatos White [W. T.], Last [P. R.] & Naylor [G. J. P.] 2016:589, Figs. 1-6 [Zootaxa 4175 (no. 6); ref. [34839](#)] Northwest of Kavieng, New Ireland, Bismarck Archipelago, 02°30'S, 150°44'E, depth 191-290 meters. Holotype (unique): NTUM 11500. •Valid as *Rhinobatos manai* White, Last & Naylor 2016 -- (Ebert & Gon 2017:205 [ref. [35352](#)], White et al. 2017:206 [ref. [35860](#)], White & Ko'ou 2018:48 [ref. [35922](#)], Last et al. 2019:284 [ref. [36614](#)], Fricke et al. 2019:43 [ref. [36673](#)]). **Current status:** Valid as *Rhinobatos manai* White, Last & Naylor 2016. Rhinobatidae. Distribution: Western Pacific: New Ireland (Papua New Guinea) endemic. Habitat: marine.

microphthalmus, Rhinobatos Teng [H.-T.] 1959:11, Pl. 2 (fig. 6); Fig. 6 [Report - Laboratory of Fishery Biology, Taiwan Fisheries Research Institute No. 10; ref. [9076](#)] Keelung fish market, Taiwan. Holotype (unique): TFRI 3089. Type catalog: Ho & Shao 2011:20 [ref. [31432](#)]. Likely a junior synonym of *R. schlegelii* (Muller & Henle 1841) -- (Ebert et al. 2013:349 [ref. [33045](#)]). •Valid as *Rhinobatos microphthalmus* Teng 1959-- (Compagno 1999:485 [ref. [25589](#)], Compagno in Randall & Lim 2000:582 [ref. [25122](#)], Ho & Shao 2011:20 [ref. [31432](#)]). •Valid as *Glaucostegus microphthalmus* (Teng 1959) -- (Ebert et al. 2013:348 [ref. [33045](#)] with question, Weigmann 2016:85 [ref. [34211](#)]). **Current status:** Valid as *Glaucostegus microphthalmus* (Teng 1959). Glaucostegiidae. Distribution: Western Pacific: Taiwan. Habitat: marine.

natalensis, Rhinobatus Fowler [H. W.] 1925:195, Fig. 1 [Annals of the Natal Museum v. 5 (pt 2); ref. [15535](#)] Off Natal Bluff, South Africa, depth 100 fathoms. Holotype: ANSP 53041. Type catalog: Böhlke 1984:149 [ref. [13621](#)]. •Synonym of *Rhinobatos holcorhynchus* Norman 1922 -- (Ebert & Gon 2017:213 [ref. [35352](#)]) **Current status:** Synonym of *Rhinobatos holcorhynchus* Norman 1922. Rhinobatidae. Habitat: marine.

nudidorsalis, Rhinobatos Last [P. R.], Compagno [L. J. V.] & Nakaya [K.] 2004:154, Figs. 2-6 [Ichthyological Research v. 51 (no. 2); ref. [28010](#)] Mascarene Ridge, central Indian Ocean, 10°46'S, 61°05'E, depth 125 meters. Holotype (unique): HUMZ 81478. •Valid as *Rhinobatos nudidorsalis* Last, Compagno & Nakaya 2004 -- (Last et al. 2006:267 [ref. [29418](#)], Weigmann 2016:87 [ref. [34211](#)], Last et al. 2016:470 [ref. [34473](#)], White et al. 2016:596 [ref. [34839](#)], Séret et al. 2016:103 [ref. [34993](#)], Ebert & Gon 2017:205 [ref. [35352](#)], Last et al. 2019:285 [ref. [36614](#)]). **Current status:** Valid as *Rhinobatos nudidorsalis* Last, Compagno & Nakaya 2004. Rhinobatidae. Distribution: Mascarene Ridge, Mascarenes, central Indian Ocean. Habitat: marine.

obtusus, Rhinobatus (Rhinobatus) Müller [J.] & Henle [F. G. J.] 1841:122, [Pl. 37 (left)] [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Malabar, Pondichéry [Puducherry, India]. Syntypes: (14) MNHN 0000-3470 (1), A-7855 (2), A-7857 (3), A-7912 (2), A-8585 (1, dry); ZMB 7589 (1, stuffed); ZSL uncat. (1, whereabouts unknown). Type catalog: Bertin 1939:80 [ref. [20739](#)], Séret & McEachran 1987:11 [ref. [9312](#)], Paepke & Schmidt 1988:176 [ref. [21041](#)], Paepke 1999:123 [ref. [24282](#)]. •Valid as *Rhinobatos obtusus* Müller & Henle 1841 -- (Dor 1984:15 [ref. [29757](#)], Goren & Dor 1994:4 [ref. [25356](#)], Compagno & Last 1999:1428 [ref. [24637](#)], Compagno 1999:486 [ref. [25589](#)], Sujatha 2002:157 [ref. [26899](#)], Manilo & Bogorodsky 2003:S93 [ref. [27377](#)], Last et al.

2006:267 [ref. [29418](#)], Golani & Bogorodsky 2010:57 [ref. [35264](#)]). •Valid as *Glaucostegus obtusus* (Müller & Henle 1841) -- (Weigmann 2016:85 [ref. [34211](#)], Last et al. 2016:473 [ref. [34473](#)], Séret et al. 2016:114 [ref. [34993](#)]). **Current status:** Valid as *Glaucostegus obtusus* (Müller & Henle 1841). Glaucostegidae. Distribution: Indo-West Pacific: Pakistan to Thailand [ref. 34993]. Habitat: marine.

ocellatus, *Rhinobatus* Norman [J. R.] 1926:967, Fig. 20 [Proceedings of the Zoological Society of London 1926 (pt 4); ref. [3215](#)] Bird Island, Algoa Bay, South Africa. Holotype (unique): BMNH 1906.11.19.26. •Valid as *Rhinobatos ocellatus* Norman 1926 -- (Compagno 1986:131 [ref. [5648](#)], Compagno 1999:485 [ref. [25589](#)], Heemstra & Heemstra 2004:78 [ref. [28072](#)]). •Valid as *Acroteriobatus ocellatus* (Norman 1926) -- (Weigmann 2016:84 [ref. [34211](#)], Last et al. 2016:465 [ref. [34473](#)], Last et al. 2016:283 [ref. [34741](#)], Séret et al. 2016:82 [ref. [34993](#)]). **Current status:** Valid as *Acroteriobatus ocellatus* (Norman 1926). Rhinobatidae. Distribution: Western Indian Ocean: South Africa to Mozambique. Habitat: marine.

panduratus, *Leiobatus* Rafinesque [C. S.] 1810:16 [Caratteri di alcuni nuovi generi e nuove specie di animali e piante della Sicilia; ref. [3594](#)] [Sicilia] Sicily, Italy, Mediterranean Sea. Also appeared in Rafinesque 1810:49 [ref. [3595](#)] as *Leiobatus panduratus*. •Synonym of *Rhinobatos rhinobatos* (Linnaeus 1758) -- (Krefft & Stehmann 1973:53 [ref. [7167](#)]). **Current status:** Synonym of *Rhinobatos rhinobatos* (Linnaeus 1758). Rhinobatidae. Habitat: freshwater, brackish, marine.

1. **PENGGALI, *RHINOBATOS*** LAST [P. R.], WHITE [W. T.] & FAHMI [NO INITIALS] 2006:267, FIGS. 3B, 4-5. [CYBIUM V. 30 (NO.3); REF. [29418](#)] KEDONGANAN FISH MARKET, 8°45'S, 115°10'E, BALI, INDONESIA. HOLOTYPE: MZB 12904. PARATYPES: CSIRO H 5632-02 (1), H 5632-03 (1), H 5873-01 (1), 5873-02 (1). •VALID AS *RHINOBATOS PENGGALI* LAST, WHITE & FAHMI 2006 -- (LAST ET AL. 2014:41 [REF. [33525](#)] BUT SPELLED *PENGALLI* ON P. 42, WEIGMANN 2016:87 [REF. [34211](#)], LAST ET AL. 2016:470 [REF. [34473](#)], WHITE ET AL. 2016:596 [REF. [34839](#)], SERET ET AL. 2016:104 [REF. [34993](#)], EBERT & GON 2017:205 [REF. [35352](#)]). **CURRENT STATUS:** VALID AS *RHINOBATOS PENGGALI* LAST, WHITE & FAHMI 2006. RHINOBATIDAE. DISTRIBUTION: CENTRAL INDONESIA. HABITAT: MARINE.

percellens, *Raja* Walbaum [J. J.] 1792:525 [Petri Artedi sueci genera piscium Part 3; ref. [4572](#)] Brazil. No types known. Based on "Puraque" of Markgraf von Liebstadt 1648:151 [ref. [30347](#)]. •Valid as *Rhinobatos percellens* (Walbaum 1792) -- (Uyeno & Miyake in Uyeno et al. 1983:69 [ref. [14275](#)], Cervigón 1992:208 [ref. [23827](#)], Aguilera 1998:45 [ref. [24221](#)], Cervigón & Alcalá 1999:172 [ref. [24490](#)], Compagno 1999:485 [ref. [25589](#)], Menni & Stehmann 2000:77 [ref. [24909](#)], Schmitter-Soto et al. 2000:146 [ref. [27754](#)], Gomes & 5adig in Menezes et al. 2003:28 [ref. [27192](#)], McEachran & Carvalho 2003:530 [ref. [26985](#)], Page et al. 2013:54 [ref. [32708](#)], Del Moral-Flores et al. 2016:107 [ref. [34398](#)], Weigmann 2016:87 [ref. [34211](#)], Nión et al. 2016:22 [ref. [35565](#)]). •Valid as *Pseudobatos percellens* (Walbaum 1792) -- (Last et al. 2016:470 [ref. [34473](#)], Séret et al. 2016:91 [ref. [34993](#)], Ehemann et al. 2018:26 [ref. [36194](#)], Spier et al. 2018:5 [ref. [36103](#)], Ehemann et al. 2019:[6] [ref. [36861](#)], Ribeiro et al. 2019:9 [ref. [36717](#)]). **Current status:** Valid as *Pseudobatos percellens* (Walbaum 1792). Rhinobatidae. Distribution: Western Atlantic (including Caribbean Sea). Habitat: marine.

petiti, *Rhinobatus* (*Rhinobatus*) Chabanaud [P.] 1929:365, Fig. 1 [Bulletin du Muséum National d'Histoire Naturelle (Série 2) v. 1 (no. 6); ref. [16071](#)] Nosy Marirana Bank, between Ankilibé and Tuléar, west coast of Madagascar. Holotype (unique): MNHN 1929-0222. Type catalog: Bertin 1939:80 [ref. [20739](#)], Séret & McEachran 1987:12 [ref. [9312](#)]. •Valid as *Rhinobatos petiti* Chabanaud 1929 -- (Compagno 1999:485 [ref. [25589](#)]). •Valid as *Glaucostegus petiti* (Chabanaud 1929) -

- (Weigmann 2016:85 [ref. [34211](#)] see remarks, Fricke et al. 2018:24 [ref. [35805](#)]). **Current status:** Valid as *Glaucostegus petiti* (Chabanaud 1929). Glaucostegidae. Distribution: Western Indian Ocean: Madagascar endemic. Habitat: marine.

planiceps, *Rhinobatus* Garman [S.] 1880:168 [Bulletin of the Museum of Comparative Zoology v. 6 (no. 11); ref. [17881](#)] Paita and Callao, Peru; Galápagos Islands. Syntypes: (21) MCZ 377-S (6, now 5), 378-S (11), 537-S (1), 538-S (1), 633-S (1, skeleton). Type catalog: Hartel & Dingerkus 1997:xlii [ref. [23119](#)]. •Valid as *Rhinobatos planiceps* Garman 1880 -- (Pequeño 1989:17 [ref. [14125](#)], Acero P. & Franke 1995:13 [ref. [22546](#)], Grove & Lavenberg 1997:108 [ref. [24023](#)] [but see McCosker 1998:809 [ref. [24025](#)], Chirichigno F. & Vélez D. 1998:92 [ref. [24555](#)], Compagno 1999:485 [ref. [25589](#)], Del Moral-Flores et al. 2016:141 [ref. [34398](#)], Weigmann 2016:87 [ref. [34211](#)]). •Valid as *Pseudobatos planiceps*(Garman 1880) -- (Last et al. 2016:470 [ref. [34473](#)], Séret et al. 2016:92 [ref. [34993](#)], Ehemann et al. 2018:26 [ref. [36194](#)]). **Current status:** Valid as *Pseudobatos planiceps* (Garman 1880). Rhinobatidae. Distribution: Eastern Pacific: southern Mexico south to northern Chile, including Galapagos Islands. Habitat: marine.

prahli, *Rhinobatus* Acero P. [A.] & Franke [R.] 1995:11, Fig. 1 [Biblioteca José Jeronimo Triana / Instituto de Ciencias Naturales, Museo de Historia Natural, Universidad Nacional de Bogota. No. 11; ref. [22546](#)] Isla de Gorgona, Colombia, depth 70 meters. Holotype (unique): ICN-MHN. Type catalog: Mojica & Agudelo-Zamora 2018:6 [ref. [36127](#)]. Original genus should have been *Rhinobatos*. •Valid as *Rhinobatos prahli* Acero P. & Franke 1995 -- (Page et al. 2013:55 [ref. [32708](#)], Del Moral-Flores et al. 2016:108 [ref. [34398](#)], Weigmann 2016:88 [ref. [34211](#)]). •Valid as *Pseudobatos prahli* (Acero P. & Franke 1995) -- (Last et al. 2016:470 [ref. [34473](#)], Séret et al. 2016:93 [ref. [34993](#)], Ehemann et al. 2018:26 [ref. [36194](#)]). **Current status:** Valid as *Pseudobatos prahli* (Acero P. & Franke 1995). Rhinobatidae. Distribution: Eastern Pacific: southern Mexico south to northern Peru. Habitat: marine.

producta, *Rhinobatis* Ayres [W. O.] 1854:142 [The Pacific [newspaper] v. 3 and 4 (thru no. 6); ref. [157](#)] Monterey, California, U.S.A. Syntypes: USNM 1009 (1). Original genus should have been *Rhinobatos*. •Valid as *Rhinobatos productus*Ayres 1854 -- (Eschmeyer & Herald 1983:46 [ref. [9277](#)], Allen & Robertson 1994:31 [ref. [22193](#)], McEachran in Fischer et al. 1995:781 [ref. [22829](#)], Castro-Aguirre & Espinosa Pérez 1996:18 [ref. [22793](#)], Castro-Aguirre et al. 1999:58 [ref. [24550](#)], Compagno 1999:485 [ref. [25589](#)], Thomson et al. 2000:284 [ref. [25640](#)], Nelson et al. 2004:55 [ref. [27807](#)], Page et al. 2013:55 [ref. [32708](#)], Del Moral-Flores et al. 2016:108 [ref. [34398](#)], Weigmann 2016:88 [ref. [34211](#)], Kells et al. 2016:78 [ref. [35888](#)]). •Valid as *Pseudobatos productus* (Ayres 1854) -- (Last et al. 2016:470 [ref. [34473](#)], Séret et al. 2016:94 [ref. [34993](#)], Ebert et al. 2017:57 [ref. [35618](#)], Ehemann et al. 2018:26 [ref. [36194](#)]). **Current status:** Valid as *Pseudobatos productus* (Ayres 1854). Rhinobatidae. Distribution: Eastern Pacific: San Francisco (California) south to southern Mexico, including Gulf of California. Habitat: brackish, marine.

punctifer, *Rhinobatos* Compagno [L. J. V.] & Randall [J. E.] 1987:336, Fig. 1 [Proceedings of the California Academy of Sciences (Series 4) v. 44 (no. 14); ref. [9128](#)] Gulf of Aqaba, Red Sea. Holotype (unique): BPBM 20843. Type catalog: Golani 2006:21 [ref. [28840](#)] with a paratype as HUU 11733. •Valid as *Rhinobatos punctifer* Compagno & Randall 1987 -- (Baranes & Golani 1993:302 [ref. [22372](#)], Goren & Dor 1994:4 [ref. [25356](#)], Randall & Compagno 1995:292 [ref. [22577](#)], Randall 1995:43 [ref. [22896](#)], Compagno 1999:486 [ref. [25589](#)], Manilo & Bogorodsky 2003:S93 [ref. [27377](#)], Bonfil & Abdallah 2004:45 [ref. [27735](#)], Last 2004:208 [ref. [27765](#)], Last et al. 2006:267 [ref. [29418](#)], Last et al. 2014:41 [ref. [33525](#)], Psomadakis et al. 2015:99 [ref. [34104](#)], Weigmann 2016:88 [ref. [34211](#)], Last et al. 2016:470 [ref. [34473](#)], White et al. 2016:596 [ref. [34839](#)], Séret et al. 2016:105 [ref. [34993](#)], Ebert & Gon 2017:205 [ref. [35352](#)], Golani & Fricke 2018:15 [ref. [36273](#)], Last et al. 2019:270 [ref. [36614](#)]). **Current status:** Valid as *Rhinobatos punctifer* Compagno & Randall 1987. Rhinobatidae. Distribution: Red Sea to Pakistan, western Indian Ocean. Habitat: marine.

ranongensis, *Rhinobatos* Last [P. R.], Séret [B.] & Naylor [G. J. P.] 2019:275, Figs. 8-10A, 11A, 12A, 13, 14 [Zootaxa 4576 (no. 2); ref. [36614](#)] Andaman Sea west of Maliwun, Myanmar, 10°20.97'N, 97°46.14'E, depth 69 meters. Holotype: CSIRO H 7861-02. Paratypes: ANSP, CSIRO.

Plus additional non-type material. •Valid as *Rhinobatos ranongensis* Last, Séret & Naylor 2019. **Current status:** Valid as *Rhinobatos ranongensis* Last, Séret & Naylor 2019. Rhinobatidae. Distribution: Andaman Sea and Bay of Bengal, northern Indian Ocean. Habitat: marine.

rasus, *Rhinobatus* Garman [S.] 1908:253 [Bulletin of the Museum of Comparative Zoology v. 51 (no. 9); ref. [1543](#)] Accra, Ghana, Gulf of Guinea. Holotype (unique): MCZ 235-S. Type catalog: Hartel & Dingerkus 1997:xlii [ref. [23119](#)]. •Synonym of *Rhinobatos cemiculus* Geoffroy St. Hilaire 1817 -- (Stehmann 1990:25 [ref. [19316](#)]). •Synonym of *Glaucostegus cemiculus* (Geoffroy St. Hilaire 1817) -- (Séret 2016:1361 [ref. [34545](#)]). **Current status:** Synonym of *Glaucostegus cemiculus* (Geoffroy St. Hilaire 1817). Rhinobatidae. Habitat: brackish, marine.

rhinobatos, *Raja* Linnaeus [C.] 1758:232 [Systema Naturae, Ed. X v. 1; ref. [2787](#)] Mediterranean Sea [original: "Genuæ, Venetiis"]; localities include Genoa and Venice, Italy; Lesbos Island, Greece. Syntypes: NRM 9048 (1). Originally based at least 21 pre-Linnaean sources including Artedi 1738:70 [ref. [30578](#)] and Artedi 1738:99 [ref. [30349](#)] as *Raja oblonga, unico tantum aclueorum ordine in medio dorso*; Rondelet 1554:370 [ref. [30354](#)] as *Rhinobato*, Salviani 1558:153 [ref. [30229](#)] as *Rhinobato sive Sqvatraja*, Charleton 1668:131 [ref. [30580](#)] as *Squatino-Raia*, Willughby 1686:79 [ref. [30164](#)] and Ray 1713:28 [ref. [30231](#)] as *Rhinobatus seu Squatinoraia*. Spelled *rhinobates* and *rhinobatus* by early authors. •Valid as *Rhinobatos rhinobatos* (Linnaeus 1758) -- (Krefft & Stehmann 1973:53 [ref. [7167](#)], McEachran & Capapé in Whitehead et al. 1984:157 [ref. [13675](#)], Compagno & Randall 1987:339 [ref. [9128](#)], Stehmann 1990:26 [ref. [19316](#)], Capapé et al. 1999:50 [ref. [25276](#)], Compagno 1999:486 [ref. [25589](#)], Bilecenoğlu et al. 2002:21 [ref. [26753](#)], Last 2004:208 [ref. [27765](#)], Last et al. 2006:267 [ref. [29418](#)], Fricke et al. 2007:17 [ref. [29533](#)], Lipej & Dulčić 2010:12 [ref. [36649](#)], Weigmann 2016:88 [ref. [34211](#)], Last et al. 2016:470 [ref. [34473](#)], Séret 2016:1364 [ref. [34545](#)], White et al. 2016:596 [ref. [34839](#)], Séret et al. 2016:106 [ref. [34993](#)], Ebert & Gon 2017:205 [ref. [35352](#)], Last et al. 2019:285 [ref. [36614](#)]). **Current status:** Valid as *Rhinobatos rhinobatos* (Linnaeus 1758). Rhinobatidae. Distribution: Mediterranean Sea, eastern Atlantic: Bay of Biscay south to Angola. Habitat: freshwater, brackish, marine.

sainsburyi, *Rhinobatos* Last [P. R.] 2004:205, Figs. 3-4; Pl. 1b [Records of the Australian Museum v. 56 (no. 2); ref. [27765](#)] Northeast of Cape Lambert, Western Australia, 19°29'S, 117°35'E, depth 70 meters. Holotype: CSIRO H 4041-04. Paratypes: CSIRO CA 1129 (1), CA 1253 (1), CA 3901 (1), H 743-01 (1), H 757-01 (1), H 1048-01 (1), H 1050-03 (1), H 1058-02 (1), H 1090-01 (1), H 1091-01 (1), H 1091-03 (1), H 1091-04 (1). •Valid as *Rhinobatos sainsburyi* Last 2004 -- (Paxton et al. 2006:178 [ref. [28994](#)], Last et al. 2006:267 [ref. [29418](#)], Larson et al. 2013:17 [ref. [32988](#)], Last et al. 2014:42 [ref. [33525](#)], Weigmann 2016:88 [ref. [34211](#)], Last et al. 2016:459 [ref. [34473](#)], White et al. 2016:596 [ref. [34839](#)], Séret et al. 2016:107 [ref. [34993](#)], Ebert & Gon 2017:205 [ref. [35352](#)], Last et al. 2019:282 [ref. [36614](#)]). **Current status:** Valid as *Rhinobatos sainsburyi* Last 2004. Rhinobatidae. Distribution: Australia and Papua New Guinea. Habitat: marine.

salalah, *Rhinobatos* Randall [J. E.] & Compagno [L. J. V.] 1995:293, Fig. [Raffles Bulletin of Zoology v. 43 (no. 2); ref. [22577](#)] Salalah fish market, Oman, Arabian Sea. Holotype (unique): BPBM 36358. Journal published in November; also appeared in Randall 1995:43 [ref. [22896](#)], so earliest publication needs documentation. •Valid as *Rhinobatos salalah* Randall & Compagno 1995 -- (Randall 1995:43 [ref. [22896](#)], Compagno 1999:485 [ref. [25589](#)], Manilo & Bogorodsky 2003:S93 [ref. [27377](#)], Bonfil & Abdallah 2004:46 [ref. [27735](#)]). •Valid as *Acroteriobatus salalah* (Randall & Compagno 1995) -- (Psomadakis et al. 2015:98 [ref. [34104](#)], Weigmann 2016:84 [ref. [34211](#)], Last et al. 2016:465 [ref. [34473](#)], Last et al. 2016:283 [ref. [34741](#)], Séret et al. 2016:84 [ref. [34993](#)]). **Current status:** Valid as *Acroteriobatus salalah* (Randall & Compagno 1995). Rhinobatidae. Distribution: Northwestern Indian Ocean: Oman to Pakistan. Habitat: marine.

schlegelii, *Rhinobatus* (*Rhinobatus*) Müller [J.] & Henle [F. G. J.] 1841:123, [Pl. 42] [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Japan. Lectotype: RMNH D2680 (dry). Paralectotypes: (8, including 2 dry, 6 alcohol) ?BMNH (1); RMNH D2681 and D2684-2687 (5, dry), D2689 (1, dry), 4225 (4). Type catalog: Boeseman 1947:222 [ref. [12876](#)]. Lectotype designation not researched, not designated here. •Valid as *Rhinobatos schlegelii* Müller & Henle 1841 -- (Dor

1984:15 [ref. [29757](#)], Nakaya in Masuda et al. 1984:12 [ref. [6441](#)], Nakaya in Okamura & Kitajima 1984:63, 306 [ref. [8057](#)], Compagno & Randall 1987:340 [ref. [9128](#)], Paxton et al. 1989:54 [ref. [12442](#)], Goren & Dor 1994:4 [ref. [25356](#)], Chen et al. 1997:6 [ref. [26476](#)], Cheng & Zhou 1997:43 [ref. [26385](#)], Senou & Masuda 1998:5 [ref. [24388](#)], Compagno & Last 1999:1429 [ref. [24637](#)], Vossoughi & Vosoughi 1999:305 [ref. [25467](#)] as *Rhinobatus*, Compagno 1999:486 [ref. [25589](#)], Nakabo 2000:160 [ref. [25086](#)], Shinohara et al. 2001:290 [ref. [25995](#)], Wang et al. 2001:37 [ref. [26566](#)] as *Rhinobatus*, Nakabo 2002:160 [ref. [26001](#)], Youn 2002:65, 481 [ref. [26218](#)] as *schlegelii*, Bonfil & Abdallah 2004:46 [ref. [27735](#)], Last 2004:208 [ref. [27765](#)], Shinohara et al. 2005:397 [ref. [28370](#)], Compagno et al. 2005:62 [ref. [29145](#)] as cf. *schlegelii*, Last et al. 2006:267 [ref. [29418](#)], Golani & Bogorodsky 2010:57 [ref. [35264](#)], Yamashita et al. 2012:128 [ref. [32408](#)], Naylor et al. 2012:91 [ref. [34345](#)] see remarks, Ebert et al. 2013:350 [ref. [33045](#)], Shinohara et al. 2014:234 [ref. [33330](#)], Last et al. 2014:41 [ref. [33525](#)], Weigmann 2016:88 [ref. [34211](#)], Last et al. 2016:459 [ref. [34473](#)], White et al. 2016:596 [ref. [34839](#)], Séret et al. 2016:108 [ref. [34993](#)], Ebert & Gon 2017:205 [ref. [35352](#)], White et al. 2017:208 [ref. [35860](#)] as cf. *schlegelii*, White & Ko'ou 2018:49 [ref. [35922](#)] as cf. *schlegelii*, Last et al. 2019:284 [ref. [36614](#)]. **Current status:** Valid as *Rhinobatos schlegelii* Müller & Henle 1841. Rhinobatidae. Distribution: Western North Pacific. Habitat: marine.

spinus, Rhinobatus Günther [A.] 1870:518 [Catalogue of the fishes in the British Museum v. 8; ref. [1995](#)] Mexico. Holotype (unique): BMNH 1870.6.20.2 (skin). Type locality needs research. •Valid as *Rhinobatos spinus* Günther 1870 -- (Castro-Aguirre et al. 1999:58 [ref. [24550](#)], Compagno 1999:486 [ref. [25589](#)] with question, Nelson et al. 2004:55 [ref. [27807](#)], Page et al. 2013:55 [ref. [32708](#)], Del Moral-Flores et al. 2016:108 [ref. [34398](#)]). •Valid as *Glaucostegus spinus*(Günther 1870) -- (Weigmann 2016:85 [ref. [34211](#)] see remarks). •Valid as *Pseudobatos spinus* (Günther 1870) -- (Ehemann et al. 2018:26 [ref. [36194](#)] with question). **Current status:** Valid as *Glaucostegus spinus* (Günther 1870). Glaucostegidae. Distribution: Eastern Pacific. Habitat: marine.

squatinatoria, Raia Stephan [C. F.] 1779:21 [De rajis, schediasma primum; ref. [18818](#)] •Valid as *Rhinobatos rhinobatos* (Linnaeus 1758) -- (Kottelat 2010:65 [ref. [30995](#)]). **Current status:** Synonym of *Rhinobatos rhinobatos* (Linnaeus 1758). Rhinobatidae. Habitat: marine.

thouin, Raja Anonymous [Lacepède [B. G. E.]] 1798:287, 677, 685, Pl. 1 (figs. 2-4) [Allgemeine Literatur-Zeitung 1798 (pt. 3) (no. 287) (for 24 Sept. 1798); ref. [13098](#)] No locality (is probably Indonesia). Syntypes: ?MNHN A-7950 (1) Red Sea. Also spelled *thouini* in literature. See Bertin 1939:79-80 [ref. [20739](#)]. On Code recommendation 51D, the anonymous author is listed as Lacepède in square brackets; the convention of Anonymous [Lacepède] 1798 is used by us for clarity. •Valid as *Rhinobatos thouin* (Anonymous 1798) -- (Dor 1984:15 [ref. [29757](#)], Compagno & Randall 1987:340 [ref. [9128](#)], Goren & Dor 1994:4 [ref. [25356](#)], Compagno & Last 1999:1429 [ref. [24637](#)], Compagno 1999:485 [ref. [25589](#)], Compagno in Randall & Lim 2000:582 [ref. [25122](#)], Manilo & Bogorodsky 2003:S93 [ref. [27377](#)], Bonfil & Abdallah 2004:46 [ref. [27735](#)], Last et al. 2006:267 [ref. [29418](#)]). •Valid as *Glaucostegus thouin* (Anonymous [Lacepède] 1798) -- (Last et al. 2010:154 [ref. [32461](#)], Weigmann 2016:85 [ref. [34211](#)], Last et al. 2016:473 [ref. [34473](#)], Séret et al. 2016:115 [ref. [34993](#)], Golani & Fricke 2018:15 [ref. [36273](#)], Kumar et al. 2018:297 [ref. [36178](#)]). **Current status:** Valid as *Glaucostegus thouin* (Anonymous [Lacepède] 1798). Glaucostegidae. Distribution: Red Sea, Indo-West Pacific: Gulf of Aden east to Thailand, north to Japan, south to New Caledonia. Habitat: marine.

thouiniana, Raja Shaw [G.] 1804:318, Pl. 147 (fig. 2) [General zoology or systematic natural history; ref. [4015](#)] No types known. •Synonym of *Rhinobatos thouin* (Anonymous 1798) -- (Dor 1984:15 [ref. [29757](#)]). •Valid as *Rhinobatos thouiniana* (Shaw 1804) -- (Mohsin & Ambak 1996:72 [ref. [27969](#)] in *Rhinobatus*, Sujatha 2002:157 [ref. [26899](#)]). •Synonym of *Glaucostegus thouin* (Anonymous [Lacepède] 1798) -- (Weigmann 2016:85 [ref. [34211](#)]). **Current status:** Synonym of *Glaucostegus thouin* (Anonymous [Lacepède] 1798). Glaucostegidae. Habitat: marine.

typus, Rhinobatus Anonymous [Bennett [E. T.]] 1830:694 [Memoir of the life and public services of Sir Thomas Stamford Raffles; ref. [259](#)] Sumatra, Indonesia; India. Syntypes: BMNH 1852.8.30.17

(dry) Sumatra. Based on *Rhinobatus rhinobatus* of Bloch & Schneider 1801:353 [ref. [471](#)]. On Code recommendation 51D, the anonymous author is listed in square brackets. •Valid as *Rhinobatos typus* Anonymous [Bennett] 1830 -- (Last & Stevens 1994:290 [ref. [23873](#)], Allen 1997:44 [ref. [23977](#)], Larson & Williams 1997:343 [ref. [23967](#)], Compagno & Last 1999:1429 [ref. [24637](#)], Johnson 1999:718 [ref. [25471](#)], Compagno 1999:485 [ref. [25589](#)], Compagno in Randall & Lim 2000:582 [ref. [25122](#)], Hutchins 2001:15 [ref. [25847](#)], Paxton et al. 2006:178 [ref. [28994](#)], Last et al. 2006:267 [ref. [29418](#)]). •Valid as *Glaucostegus typus* (Anonymous [Bennett] 1830) -- (Compagno et al. 2005:61 [ref. [29145](#)], Last et al. 2010:156 [ref. [32461](#)], Naylor et al. 2012:90 [ref. [34345](#)] see remarks, Larson et al. 2013:17 [ref. [32988](#)], Kottelat 2013:24 [ref. [32989](#)], Weigmann 2016:86 [ref. [34211](#)], Last et al. 2016:473 [ref. [34473](#)], Séret et al. 2016:116 [ref. [34993](#)], White et al. 2017:210 [ref. [35860](#)], Kumar et al. 2018:297 [ref. [36178](#)], White & Ko'ou 2018:49 [ref. [35922](#)]). **Current status:** Valid as *Glaucostegus typus* (Anonymous [Bennett] 1830). Glaucostegidae. Distribution: Indo-West Pacific: India through Indonesia to northern Australia, north to Thailand (absent from Philippines, possibly in Melanesia). Habitat: freshwater, brackish, marine.

variegatus, *Rhinobatos* Nair [R. V.] & Lal Mohan [R. S.] 1973:77, Fig. 4 [Senckenbergiana Biologica v. 54 (nos 1/3); ref. [7577](#)] Gulf of Mannar, off Mandapam, Tamil Nadu, India. Holotype (unique): FMRI F.176. •Valid as *Rhinobatos variegatus* Nair & Lal Mohan 1973 -- (Compagno 1999:485 [ref. [25589](#)], Manilo & Bogorodsky 2003:S93 [ref. [27377](#)]). •Valid as *Acroteriobatus variegatus* (Nair & Lal Mohan 1973) -- (Weigmann 2016:84 [ref. [34211](#)], Last et al. 2016:465 [ref. [34473](#)], Last et al. 2016:283 [ref. [34741](#)], Séret et al. 2016:85 [ref. [34993](#)], Fernando et al. 2019:219 [ref. [36642](#)]). **Current status:** Valid as *Acroteriobatus variegatus* (Nair & Lal Mohan 1973). Rhinobatidae. Distribution: Indian Ocean: India and Sri Lanka. Habitat: marine.

walbeehmi, *Carcharias* (*Scoliodon*) Bleeker [P.] 1856:353 [Natuurkundig Tijdschrift voor Nederlandsch Indië v. 10; ref. [16852](#)] Bintan Island, Riau Islands, Indonesia. Holotype (unique): ?BMNH 1864.11.28.191 or RMNH 7368. Bleeker specimens: RMNH 7368 (1), 24039 [ex 7368] (1). •Synonym of *Rhinobatos granulatus* Cuvier 1829 -- (Hartel & Dingerkus 1997:xx [ref. [23119](#)]). •Synonym of *Rhizoprionodon acutus* (Rüppell 1837) -- (Springer 1964:594 [ref. [3494](#)], Kottelat 2013:22 [ref. [32989](#)], Dylidin & Orlov 2018:165 [ref. [35920](#)]). **Current status:** Synonym of *Rhizoprionodon acutus* (Rüppell 1837). Carcharhinidae. Habitat: freshwater, brackish, marine.

whitei, *Rhinobatos* Last [P. R.], Corrigan [S.] & Naylor [G.] 2014:33, Figs. 1-8 [Ichthyological Exploration of Freshwaters v. 23 (no. 4) (for 2012); ref. [32525](#)] Dipolog City Public Market, Philippines. Holotype: PNM 15189. Paratypes: CSIRO, PNM, SUML. Plus non-type material. •Valid as *Rhinobatos whitei* Last, Corrigan & Naylor 2014 -- (Weigmann 2016:88 [ref. [34211](#)], Last et al. 2016:459 [ref. [34473](#)], White et al. 2016:596 [ref. [34839](#)], Séret et al. 2016:109 [ref. [34993](#)], Ebert & Gon 2017:205 [ref. [35352](#)], Motomura et al. 2017:24 [ref. [35490](#)], Last et al. 2019:284 [ref. [36614](#)]). **Current status:** Valid as *Rhinobatos whitei* Last, Corrigan & Naylor 2014. Rhinobatidae. Distribution: Philippines. Habitat: marine.

zanzibarensis, *Rhinobatus* Norman [J. R.] 1926:966, Fig. 19 [Proceedings of the Zoological Society of London 1926 (pt 4); ref. [3215](#)] Zanzibar, Tanzania, western Indian Ocean. Holotype: BMNH 1868.5.30.4. Paratypes: BMNH 1867.3.9.429 (1, dry). •Valid as *Rhinobatos zanzibarensis* Norman 1926 -- (Compagno 1999:485 [ref. [25589](#)]). •Valid as *Acroteriobatus zanzibarensis* (Norman 1926) -- (Weigmann 2016:84 [ref. [34211](#)], Last et al. 2016:465 [ref. [34473](#)], Last et al. 2016:283 [ref. [34741](#)], Séret et al. 2016:86 [ref. [34993](#)]). **Current status:** Valid as *Acroteriobatus zanzibarensis* (Norman 1926). Rhinobatidae. Distribution: Zanzibar. Habitat: marine.

SQUATINIDAE

SQUATINA SQUATINA

Species that contain: Squatina and squatina (not including unavailable names) [35] records

aculeata, Squatina Cuvier [G.] (ex Duméril) 1829:394 [Le Règne Animal (Edition 2) v. 2; ref. [995](#)] Off Marseille, France, western Mediterranean Sea. Holotype (unique): MNHN 0000-1218. Type catalog: Bertin 1939:77 [ref. [20739](#)] but dated to Duméril 1865. Available from footnote as, "*Squat. aculaeta*, Dumer., de la Méditerranée, une ranagée de fortes épines le long du dos." •Valid as *Squatina aculeata* Cuvier 1829 -- (Krefft 1973:49 [ref. [7166](#)], Compagno 1984:140 [ref. [6474](#)], Roux in Whitehead et al. 1984:148 [ref. [13675](#)], Springer 1990:77 [ref. [19315](#)], Bianchi & Carpenter in Bianchi et al. 1993:85 [ref. [25472](#)], Golani 1996:20 [ref. [22271](#)], Compagno 1999:475 [ref. [25589](#)], Bilecenoğlu et al. 2002:18 [ref. [26753](#)], Fricke et al. 2007:16 [ref. [29533](#)], Last & White 2008:2 [ref. [29746](#)], Weigmann 2016:69 [ref. [34211](#)], Acero P. et al. 2016:583 [ref. [34531](#)], Compagno 2016:1212 [ref. [34544](#)] with author as Duméril in Cuvier). **Current status:** Valid as *Squatina aculeata* Cuvier 1829. Squatinidae. Distribution: Mediterranean Sea, eastern Atlantic: Morocco to Angola and Namibia. Habitat: marine.

africana, Squatina Regan [C. T.] 1908:248, Pl. 38 [Annals of the Natal Museum v. 1 (pt 3); ref. [14355](#)] Bird Island, Durban Bay, KwaZulu-Natal, South Africa, southwestern Indian Ocean. Holotype (unique): BMNH 1906.11.19.21. •Valid as *Squatina africana* Regan 1908 -- (Compagno 1984:141 [ref. [6474](#)], Bass 1986:107 [ref. [5635](#)], Gubanov & Timoxin 1989:226 [ref. [36138](#)], Fricke 1999:28 [ref. [24106](#)], Compagno 1999:475 [ref. [25589](#)], Manilo & Bogorodsky 2003:S93 [ref. [27377](#)], Last & White 2008:2 [ref. [29746](#)], Theiss & Ebert 2013:83 [ref. [33034](#)], Weigmann 2016:69 [ref. [34211](#)], Acero P. et al. 2016:583 [ref. [34531](#)], Fricke et al. 2018:21 [ref. [35805](#)]). **Current status:** Valid as *Squatina africana* Regan 1908. Squatinidae. Distribution: Western Indian Ocean: East Africa, South Africa to Madagascar. Habitat: marine.

albipunctata, Squatina Last [P. R.] & White [W. T.] 2008:5, Figs. 2-3, 8a [Zootaxa No. 1734; ref. [29746](#)] South of Lakes Entrance, Victoria, Australia, 38°42'S, 148°18'E, depth 84-92 meters. Holotype: CSIRO H 6561-01. Paratypes: 12 specimens at CSIRO. Plus non-type material. •Valid as *Squatina albipunctata* Last & White 2008 -- (Theiss & Ebert 2013:83 [ref. [33034](#)], Weigmann 2016:69 [ref. [34211](#)], Acero P. et al. 2016:583 [ref. [34531](#)]). **Current status:** Valid as *Squatina albipunctata* Last & White 2008. Squatinidae. Distribution: Australia: Queensland to Victoria. Habitat: marine.

angelorum, Cestracion Swainson [W.] 1838:137 [The natural history and classification of fishes, amphibians, & reptiles, or monocardian animals. v. 1; ref. [4302](#)] Europe. No types known. Treated as *Squatina angelorum* on p. 184. •Synonym of *Squatina squatina* (Linnaeus 1758) -- (Dyldin 2015:58 [ref. [34524](#)]). **Current status:** Synonym of *Squatina squatina* (Linnaeus 1758). Squatinidae. Habitat: marine.

angelorum, Squatina Swainson [W.] 1838:184, Figs. 22-23 [The natural history and classification of fishes, amphibians, & reptiles, or monocardian animals. v. 1; ref. [4302](#)] European seas. No types known. Treated as *C. angelorum* on p. 137. Perhaps best considered an unjustified emendation. •Synonym of *Squatina squatina* (Linnaeus 1758). **Current status:** Synonym of *Squatina squatina* (Linnaeus 1758). Squatinidae.

angelus, Squatina Gronow [L. T.] in Gray 1854:14 [Catalogue of fish collected and described by Laurence Theodore Gronow; ref. [1911](#)] European seas. Syntypes: BMNH 1853.11.12.207 [Gronovius coll.] (1, skin). Type catalog: Wheeler 1958:204-205 [ref. [13434](#)] but as holotype. Objectively invalid; preoccupied. •Synonym of *Squatina squatina* (Linnaeus 1758) -- (Wheeler 1958:204

[ref. [13434](#)], Lipej & Dulčić 2010:11 [ref. [36649](#)], Dylidin 2015:58 [ref. [34524](#)]). **Current status:** Synonym of *Squatina squatina* (Linnaeus 1758). Squatinidae. Habitat: marine.

argentina, Rhina Marini [T. L.] 1930:5, Fig. 1 [Physis (Buenos Aires) v. 10 (no. 35); ref. [16108](#)] Off Province of Buenos Aires, about 39°S, 56°W, Argentina. Holotype (unique): MACN 574. Type catalog: Braga & Piacentino 1994:99 [ref. [23697](#)]. •Valid as *Squatina argentina* (Marini 1930) -- (Compagno 1984:142 [ref. [6474](#)], Menni 1986:433 [ref. [11487](#)], Vooren & da Silva 1992:597 [ref. [21060](#)], Compagno 1999:475 [ref. [25589](#)], Cousseau & Perrotta 2000:38 [ref. [25942](#)], Soto 2001:66, 96 [ref. [26637](#)], López et al. 2002:62 [ref. [26808](#)], Gadig & Gomes in Menezes et al. 2003:27 [ref. [27192](#)], Castro-Aguirre et al. 2007:1039 [ref. [29408](#)], Last & White 2008:2 [ref. [29746](#)], Vaz & Carvalho 2013:34 [ref. [32825](#)], Weigmann 2016:69 [ref. [34211](#)], Estalles et al. 2016:1 [ref. [34759](#)], Nión et al. 2016:21 [ref. [35565](#)]). **Current status:** Valid as *Squatina argentina* (Marini 1930). Squatinidae. Distribution: Southwestern Atlantic: Brazil to Uruguay and Argentina. Habitat: marine.

armata, Rhina Philippi [R. A.] 1887:561 [29], Pl. 7 (fig. 1) [Anales de la Universidad de Chile Sec. 1, v. 71; ref. [3464](#)] Iquique, Chile. Holotype (unique): DBCUCH. On p. 29 of separate. •Valid as *Rhina armata* Philippi 1887 -- (Pequeño 1989:12 [ref. [14125](#)]). •Synonym of *Squatina californica* Ayres 1859 -- (Castro 2011:163 [ref. [31457](#)]). •Questionably a synonym of *Squatina californica* Ayres 1859 -- (Compagno 1984:144 [ref. [6474](#)], Chirichigno F. & Vélez D. 1998:30 [ref. [24555](#)], Last & White 2008:2 [ref. [29746](#)]). •Valid as *Squatina armata* (Philippi 1887) -- (Weigmann 2016:69 [ref. [34211](#)], Acero P. et al. 2016:583 [ref. [34531](#)]). **Current status:** Valid as *Squatina armata* (Philippi 1887). Squatinidae. Distribution: Southeastern Pacific. Habitat: marine.

australis, Squatina Regan [C. T.] 1906:438 [Annals and Magazine of Natural History (Series 7) v. 18 (no. 108) (art. 70); ref. [15711](#)] Port Jackson, New South Wales, Australia. Holotype (unique): BMNH 1890.9.23.181. •Valid as *Squatina australis* Regan 1906 -- (Compagno 1984:143 [ref. [6474](#)], Paxton et al. 1989:62 [ref. [12442](#)], Kuitert 1993:4 [ref. [23929](#)], Gomon et al. 1994:152 [ref. [22532](#)], Last & Stevens 1994:280 [ref. [23873](#)], Kuitert 1997:12 [ref. [25488](#)], Compagno & Niem 1998:1237 [ref. [23787](#)], Compagno 1999:475 [ref. [25589](#)], Hutchins 2001:15 [ref. [25847](#)], Hoese & Gates 2006:159 [ref. [28997](#)], Last & White 2008:2 [ref. [29746](#)], White 2008:97 [ref. [30617](#)], Theiss & Ebert 2013:83 [ref. [33034](#)], Weigmann 2016:69 [ref. [34211](#)], Acero P. et al. 2016:583 [ref. [34531](#)], Hoschke et al. 2019:153 [ref. [36626](#)]). **Current status:** Valid as *Squatina australis* Regan 1906. Squatinidae. Distribution: Southeastern Indian Ocean: Victoria, Tasmania, South Australia and Western Australia. Habitat: marine.

caillieti, Squatina Walsh [J. H.], Ebert [D. A.] & Compagno [L. J. V.] 2011:50, Figs. 1-2, 4A, 5A [Zootaxa No. 2759; ref. [31151](#)] Luzon, 13°08.98-13°09.84'N, 124°04.72-124°00.01'E, Philippines, depth 363-385 meters. Holotype: CAS 226473. •Valid as *Squatina caillieti* Walsh, Ebert & Compagno 2011 -- (Theiss & Ebert 2013:83 [ref. [33034](#)], Weigmann 2016:69 [ref. [34211](#)]). **Current status:** Valid as *Squatina caillieti* Walsh, Ebert & Compagno 2011. Squatinidae. Distribution: Philippines. Habitat: marine.

californica, Squatina Ayres [W. O.] 1859:29, Fig. 7 (p. 56) [Proceedings of the California Academy of Sciences (Series 1) v. 2 (1858-1862); ref. [155](#)] San Francisco Bay, California, U.S.A. Holotype (unique): CAS (lost). As *Rhina californica* in caption to Fig. 7 (on p. 54). •Valid as *Squatina californica* Ayres 1859 -- (Eschmeyer & Herald 1983:44 [ref. [9277](#)], Compagno 1984:144 [ref. [6474](#)], Allen & Robertson 1994:18 [ref. [22193](#)], Bussing & López S. 1994:24 [ref. [23101](#)], Compagno et al. in Fischer et al. 1995:729 [ref. [22829](#)], Gaida 1995:532 [ref. [22403](#)], Chirichigno F. & Vélez D. 1998:30 [ref. [24555](#)], Compagno 1999:475 [ref. [25589](#)], Mecklenburg et al. 2002:89 [ref. [25968](#)], Espinosa Pérez et al. 2004:105 [ref. [27705](#)], Nelson et al. 2004:50 [ref. [27807](#)], Castro 2011:163 [ref. [31457](#)], Page et al. 2013:54 [ref. [32708](#)], Pietsch & Orr 2015:16 [ref. [34694](#)], Del Moral-Flores et al. 2016:66 [ref. [34398](#)], Weigmann 2016:69 [ref. [34211](#)], Acero P. et al. 2016:583 [ref. [34531](#)], Kells et al. 2016:76 [ref. [35888](#)], Ebert et al. 2017:52 [ref. [35618](#)], Ehemann et al. 2018:24 [ref. [36194](#)]). **Current status:** Valid as *Squatina californica* Ayres 1859. Squatinidae. Distribution: Eastern Pacific: Alaska to southern Baja California; Ecuador to Chile (needs confirmation [ref. [35618](#)]). Habitat: marine.

david, *Squatina* Acero P. [A.], Tavera [J. J.], Anguila [R.] & Hernández [L.] 2016:579, Figs. 1-5 [Copeia v. 104 (no. 2); ref. [34531](#)] Bocas de Ceniza, Colombia, 11°00'33"N, 75°03'19"W, depth 144 meters. Holotype: INVEMAR PEC8250. Paratypes: INVEMAR PEC. •Valid as *Squatina david* Acero P., Tavera, Anguila & Hernández 2016 -- (Vaz & Carvalho 2018:159 [ref. [35832](#)], Ehemann et al. 2019:[5] [ref. [36861](#)]). **Current status:** Valid as *Squatina david* Acero P., Tavera, Anguila & Hernández 2016. Squatinidae. Distribution: Western Atlantic: Panama, Colombia, Venezuela (southern Caribbean); Surinam. Habitat: marine.

dumeril, *Squatina* Lesueur [C. A.] 1818:225, Pl. 10 [Journal of the Academy of Natural Sciences, Philadelphia v. 1 (pt 2); ref. [2735](#)] East coast of U.S.A., off New York city, 40°N, 67°W. Lectotype: MNHN A-9692 (dry). Paralectotype: (2) missing. Type catalog: Bertin 1939:77 [ref. [20739](#)]. Lectotype selected by Vaz & Carvalho 2013:50 [ref. [32825](#)]. •Valid as *Squatina dumerilli* Lesueur 1818 -- (Robins & Ray 1986:34 [ref. [23100](#)], Castro 2011:167 [ref. [31457](#)]). •Valid as *Squatina dumeril* Lesueur 1818 -- (Compagno 1984:145 [ref. [6474](#)], Boschung 1992:25 [ref. [23239](#)], Cervigón 1992:190 [ref. [23827](#)], Murdy et al. 1997:35 [ref. [23144](#)], McEachran & Fechhelm 1998:128 [ref. [23897](#)], Cervigón & Alcalá 1999:133 [ref. [24490](#)], Compagno 1999:475 [ref. [25589](#)], Soto 2001:66, 96 [ref. [26637](#)], Compagno 2003:415 [ref. [26984](#)], Moore et al. 2003:170 [ref. [27076](#)], Gadig & Gomes in Menezes et al. 2003:27 [ref. [27192](#)], Moore et al. 2003:170 [ref. [27076](#)], Espinosa Pérez et al. 2004:106 [ref. [27705](#)], Nelson et al. 2004:50 [ref. [27807](#)], Castro-Aguirre et al. 2007:1039 [ref. [29408](#)], Page et al. 2013:54 [ref. [32708](#)], Vaz & Carvalho 2013:50 [ref. [32825](#)], Del Moral-Flores et al. 2016:66 [ref. [34398](#)], Weigmann 2016:69 [ref. [34211](#)], Acero P. et al. 2016:583 [ref. [34531](#)], Ehemann et al. 2018:24 [ref. [36194](#)], Vaz & Carvalho 2018:159 [ref. [35832](#)], Ehemann et al. 2019:[5] [ref. [36861](#)]). **Current status:** Valid as *Squatina dumeril* Lesueur 1818. Squatinidae. Distribution: Western Atlantic (including Caribbean Sea). Habitat: marine.

europaea, *Squatina* Swainson [W.] 1839:321 [The natural history and classification v. 2; ref. [4303](#)] No types known. Original genus as *Squatinae*. Based on Bl. 116 -- which is Bloch 1785:Pl. 118 [ref. [4866](#)]. •Synonym of *Squatina squatina* (Linnaeus 1758) -- (Compagno 1984:150 [ref. [6474](#)], Dylidin 2015:58 [ref. [34524](#)]). **Current status:** Synonym of *Squatina squatina* (Linnaeus 1758). Squatinidae. Habitat: marine.

fimbriata, *Squatina* Müller [J.] & Henle [F. G. J.] 1839:101, 192, [Pl. 35 (head)] [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] [Mittelmeer] Mediterranean Sea. No types known. Syn-types: (2) ZMB uncat. (1) plus 1 missing. Type catalog: Paepke & Schmidt 1988:161 [ref. [21041](#)]. •Questionably a synonym of *Squatina aculeata* Cuvier 1829 -- (Krefft 1973:49 [ref. [7166](#)], Compagno 1984:140 [ref. [6474](#)]). **Current status:** Uncertain as *Squatina aculeata* Cuvier 1829. Squatinidae. Habitat: marine.

formosa, *Squatina* Shen [S.-C.] & Ting [W.-H.] 1972:21, Fig. 4 [Bulletin of the Institute of Zoology Academia Sinica (Taipei) v. 11 (no. 1); ref. [7645](#)] Tung-kong [Tongkang], 20°28'N, 120°26.3'E, Pingtung, southwestern Taiwan, depth 180 meters. Holotype: NTT 7213130 [now NTUM 01329]. Paratypes: NTUM 7041631-32 (1, 1), 7222433 (1). Type catalog: Ho & Shao 2011:19 [ref. [31432](#)]. •Valid as *Squatina formosa* Shen & Ting 1972 -- (Compagno 1984:146 [ref. [6474](#)], Compagno 1999:475 [ref. [25589](#)], Compagno in Randall & Lim 2000:581 [ref. [25122](#)], Compagno et al. 2005:56 [ref. [29145](#)], Walsh & Ebert 2007:35 [ref. [29245](#)] with paratypes as *nebulosa*, Kriwet et al. 2010:117 [ref. [30825](#)], Walsh 2011:58 [ref. [31151](#)], Ho & Shao 2011:19 [ref. [31432](#)], Yamashita et al. 2012:127 [ref. [32408](#)], Theiss & Ebert 2013:83 [ref. [33034](#)], Ebert et al. 2013:300 [ref. [33045](#)], Weigmann 2016:70 [ref. [34211](#)], Acero P. et al. 2016:583 [ref. [34531](#)]). **Current status:** Valid as *Squatina formosa* Shen & Ting 1972. Squatinidae. Distribution: Western North Pacific. Habitat: marine.

guggenheim, *Squatina* Marini [T. L.] 1936:23, Fig. 2 [Physis (Buenos Aires) v. 12; ref. [13716](#)] Necochea, Buenos Aires Province, Argentina. Holotype (unique): MACN 938. Type catalog: Braga & Piacentino 1994:101 [ref. [23697](#)]. •Synonym of *Squatina argentina* (Marini 1930) -- (Compagno 1984:142 [ref. [6474](#)]). •Valid as *Squatina guggenheim* Marini 1936 -- (Vooren & da Silva 1992:595 [ref. [21060](#)], Compagno 1999:475 [ref. [25589](#)], Soto 2001:66, 97 [ref. [26637](#)], Gadig & Gomes in Menezes et al. 2003:27 [ref. [27192](#)], Castro-Aguirre et al. 2007:1039 [ref. [29408](#)], Last & White

2008:2 [ref. [29746](#)], Mabrugaña et al. 2011:table S2 [ref. [31800](#)], Vaz & Carvalho 2013:19 [ref. [32825](#)], Weigmann 2016:70 [ref. [34211](#)], Acero P. et al. 2016:583 [ref. [34531](#)], Estalles et al. 2016:1 [ref. [34759](#)], Petry et al. 2016:299 [ref. [34966](#)], Nión et al. 2016:21 [ref. [35565](#)], Spier et al. 2018:4 [ref. [36103](#)]). **Current status:** Valid as *Squatina guggenheim* Marini 1936. Squatinidae. Distribution: Southwestern Atlantic: Brazil to Argentina. Habitat: marine.

heteroptera, Squatina Castro-Aguirre [J. L.], Espinosa Pérez [H.] & Huidobro Campos [L.] 2007:1036, Figs. 5-8 [Revista de Biología Tropical v. 54 (no. 3) [for Sept. 2006]; ref. [29408](#)] Off Tamaulipas, 22°44'01"N, 97°24'07"W, depth 157-164 meters. Holotype: IBUNAM-P 8307. Paratypes: IBUNAM-P 12722 (1). •Valid as *Squatina heteroptera* Castro-Aguirre, Espinosa Pérez & Huidobro Campos 2007 -- (Castro 2011:170 [ref. [31457](#)], Page et al. 2013:54 [ref. [32708](#)], Vaz & Carvalho 2013:74 [ref. [32825](#)], Del Moral-Flores et al. 2016:67 [ref. [34398](#)], Ehemann et al. 2018:24 [ref. [36194](#)]). •Synonym of *Squatina dumeril* Lesueur 1818 -- (Weigmann 2016:69 [ref. [34211](#)]). **Current status:** Synonym of *Squatina dumeril* Lesueur 1818. Squatinidae. Distribution: Western Gulf of Mexico (if valid). Habitat: marine.

japonica, Squatina Bleeker [P.] 1858:40 [Acta Societatis Regiae Scientiarum Indo-Neêrlandicae v. 3 (art. 10); ref. [360](#)] Nagasaki, Japan. Holotype (unique): RMNH 7416 (largest of 2 specimens). •Valid as *Squatina japonica* Bleeker 1858 -- (Compagno 1984:147 [ref. [6474](#)], Nakaya & Shirai in Masuda et al. 1984:11 [ref. [6441](#)], Cheng & Zhou 1997:41 [ref. [26385](#)], Compagno & Niem 1998:1237 [ref. [23787](#)], Senou & Masuda 1998:5 [ref. [24388](#)], Sokolovskaya et al. 1998:7 [ref. [24670](#)], Compagno 1999:475 [ref. [25589](#)], Nakabo 2000:157 [ref. [25086](#)], Compagno in Randall & Lim 2000:581 [ref. [25122](#)], Shinohara et al. 2001:290 [ref. [25995](#)], Nakabo 2002:157 [ref. [26001](#)], Youn 2002:62, 479 [ref. [26218](#)], Compagno et al. 2005:56 [ref. [29145](#)], Walsh & Ebert 2007:40 [ref. [29245](#)], Kriwet et al. 2010:120 [ref. [30825](#)], Walsh 2011:58 [ref. [31151](#)], Yamashita et al. 2012:127 [ref. [32408](#)], Theiss & Ebert 2013:83 [ref. [33034](#)], Ebert et al. 2013:300 [ref. [33045](#)], Shinohara et al. 2014:234 [ref. [33330](#)], Parin et al. 2014:28 [ref. [33547](#)], Dylidin 2015:58 [ref. [34524](#)], Weigmann 2016:70 [ref. [34211](#)], Acero P. et al. 2016:583 [ref. [34531](#)]). **Current status:** Valid as *Squatina japonica* Bleeker 1858. Squatinidae. Distribution: Western North Pacific. Habitat: marine.

laevis, Squatina Cuvier [G.] 1816:131 [Le Règne Animal v. 2; ref. [993](#)] No locality stated. On *Squalus squatina* of Bloch, pl. 116. •Synonym of *Squatina squatina* (Linnaeus 1758) -- (Compagno 1984:150 [ref. [6474](#)], Roux in Whitehead et al. 1984:150 [ref. [13675](#)], Dylidin 2015:58 [ref. [34524](#)], Compagno 2016:1218 [ref. [34544](#)] dated 1817). **Current status:** Synonym of *Squatina squatina* (Linnaeus 1758). Squatinidae. Habitat: marine.

legnota, Squatina Last [P. R.] & White [W. T.] 2008:12, Figs. 4-5, 8b [Zootaxa No. 1734; ref. [29746](#)] Cilacap landing site, central Java, Indonesia, 7°44'S, 109°00'E. Holotype: MZB 15500. Paratypes: CSIRO H 6565-01 (1). Plus one non-type specimen. •Valid as *Squatina legnota* Last & White 2008 -- (Kriwet et al. 2010:121 [ref. [30825](#)], Walsh 2011:58 [ref. [31151](#)], Theiss & Ebert 2013:83 [ref. [33034](#)], Weigmann 2016:70 [ref. [34211](#)], Acero P. et al. 2016:583 [ref. [34531](#)]). **Current status:** Valid as *Squatina legnota* Last & White 2008. Squatinidae. Distribution: Off southern Indonesia. Habitat: marine.

machuelo, Raia Osbeck [P.] 1770:99 [Nova Acta Physico-Medica Academiae Caesareae Leopoldina-Carolinae Naturae Curiosorum v. 4; ref. [18497](#)] Hispanicae (Spain). No types known. Original genus should have been spelled *Raja*. *Raja osbeckii* Walbaum 1792 [ref. [4572](#)] is based on this species. •Synonym of *Squatina aculeata* Cuvier 1829. **Current status:** Synonym of *Squatina aculeata* Cuvier 1829. Squatinidae. Habitat: marine.

mexicana, Squatina Castro-Aguirre [J. L.], Espinosa Pérez [H.] & Huidobro Campos [L.] 2007:1032, Figs. 1-4 [Revista de Biología Tropical v. 54 (no. 3) [for Sept. 2006]; ref. [29408](#)] Off Tamaulipas, 22°58'05"N, 97°28'07"W, depth 71 meters. Holotype: IBUNAM-P 8306. Paratypes: IBUNAM-P 11136 (2), P-12723 (1), 12724 (1). •Valid as *Squatina mexicana* Castro-Aguirre, Espinosa Pérez & Campos 2007 -- (Castro 2011:172 [ref. [31457](#)], Page et al. 2013:54 [ref. [32708](#)], Vaz & Carvalho

2013:74 [ref. [32825](#)], Del Moral-Flores et al. 2016:68 [ref. [34398](#)], Ehemann et al. 2018:24 [ref. [36194](#)]). •Synonym of *Squatina dumeril* Lesueur 1818 -- (Weigmann 2016:69 [ref. [34211](#)]). **Current status:** Synonym of *Squatina dumeril* Lesueur 1818. Squatinidae. Distribution: Western Atlantic: Gulf of Mexico (if valid). Habitat: marine.

nebulosa, *Squatina* Regan [C. T.] 1906:439 [Annals and Magazine of Natural History (Series 7) v. 18 (no. 108) (art. 70); ref. [15711](#)] Japan. Holotype (unique): BMNH 1862.11.1.89. •Valid as *Squatina nebulosa* Regan 1906 -- (Compagno 1984:148 [ref. [6474](#)], Nakaya in Okamura & Kitajima 1984:61, 305 [ref. [8057](#)], Nakaya & Shirai in Masuda et al. 1984:11 [ref. [6441](#)], Chen et al. 1997:6 [ref. [26476](#)], Senou & Masuda 1998:5 [ref. [24388](#)], Compagno 1999:475 [ref. [25589](#)], Nakabo 2000:157 [ref. [25086](#)], Compagno in Randall & Lim 2000:581 [ref. [25122](#)], Shinohara et al. 2001:290 [ref. [25995](#)], Nakabo 2002:157 [ref. [26001](#)], Youn 2002:62, 479 [ref. [26218](#)], Shinohara et al. 2005:397 [ref. [28370](#)], Walsh & Ebert 2007:42 [ref. [29245](#)], Kriwet et al. 2010:120 [ref. [30825](#)], Walsh 2011:58 [ref. [31151](#)], Theiss & Ebert 2013:83 [ref. [33034](#)], Ebert et al. 2013:301 [ref. [33045](#)], Shinohara et al. 2014:234 [ref. [33330](#)], Weigmann 2016:70 [ref. [34211](#)]). **Current status:** Valid as *Squatina nebulosa* Regan 1906. Squatinidae. Distribution: Western North Pacific. Habitat: marine.

occulata, *Squatina* Vooren [C. M.] & da Silva [K. G.] 1991:592, Fig. 2 [Revista Brasileira de Biologia v. 51 (no. 3) [1991]; ref. [21060](#)] Southern Brazil, 33°06'S, 51°40'W. Holotype: MOVI 10195 [ex MO-FURG 06589]. Paratypes: MCP 13999 (1), MZUSP 41518 (1). •Synonym of *Squatina guggenheim* (Marini 1936) -- (Soto 2001:97 [ref. [26637](#)] with *occulata* dated 1991 and author as Vooren). •Valid as *Squatina occulata* Vooren & da Silva 1991 -- (Compagno 1999:475 [ref. [25589](#)], Castro-Aguirre et al. 2007:1039 [ref. [29408](#)], Vaz & Carvalho 2013:5 [ref. [32825](#)], Faria et al. 2014:1 [ref. [33251](#)] with date correction, Weigmann 2016:70 [ref. [34211](#)], Acero P. et al. 2016:583 [ref. [34531](#)], Estalles et al. 2016:1 [ref. [34759](#)], Nión et al. 2016:21 [ref. [35565](#)], Spier et al. 2018:4 [ref. [36103](#)]). **Current status:** Valid as *Squatina occulata* Vooren & da Silva 1991. Squatinidae. Distribution: Southwestern Atlantic: Brazil, Uruguay and Argentina. Habitat: marine.

oculata, *Squatina* Bonaparte [C. L.] 1840:fasc. 28, punt. 147, Pl. 143 (fig. 2) [Iconografia della fauna italica; ref. [514](#)] Italy, western Mediterranean Sea. No types known. Type catalog: Böhlke 1984:158 [ref. [13621](#)]. •Valid as *Squatina oculata* Bonaparte 1840 -- (Krefft 1973:50 [ref. [7166](#)], Compagno 1984:149 [ref. [6474](#)], Roux in Whitehead et al. 1984:149 [ref. [13675](#)], Springer 1990:77 [ref. [19315](#)], Bianchi & Carpenter in Bianchi et al. 1993:85 [ref. [25472](#)], Golani 1996:21 [ref. [22271](#)], Compagno 1999:475 [ref. [25589](#)], Bilecenoğlu et al. 2002:19 [ref. [26753](#)], Fricke et al. 2007:17 [ref. [29533](#)], Last & White 2008:2 [ref. [29746](#)], Lipej & Dulčić 2010:11 [ref. [36649](#)], Weigmann 2016:71 [ref. [34211](#)], Acero P. et al. 2016:583 [ref. [34531](#)], Compagno 2016:1217 [ref. [34544](#)], Zava et al. 2017:341 [ref. [35032](#)]). **Current status:** Valid as *Squatina oculata* Bonaparte 1840. Squatinidae. Distribution: Mediterranean Sea, eastern Atlantic: Morocco south to Namibia. Habitat: marine.

osbeckii, *Raja* Walbaum [J. J.] 1792:532 [Petri Artedi sueci genera piscium Part 3; ref. [4572](#)] Spain, western Mediterranean Sea. No types known. This species is based on *Raia machuelo* Osbeck 1770. •Synonym of *Squatina aculeata* Cuvier 1829 -- (P. Parenti, pers. comm.). **Current status:** Synonym of *Squatina aculeata* Cuvier 1829. Squatinidae. Habitat: marine.

philippi, *Rhina* Garman [S.] 1913:254 [Memoirs of the Museum of Comparative Zoology v. 36; ref. [1545](#)] Mejillones, Chile. Syntypes: MCZ 531-S (1). Type catalog: Hartel & Dingerkus 1997:xli [ref. [23119](#)]. •Questionably a synonym of *Squatina californica* Ayres 1859 -- (Compagno 1984:144 [ref. [6474](#)]). **Current status:** Uncertain as *Squatina californica* Ayres 1859. Squatinidae. Distribution: Eastern Pacific. Habitat: marine.

pseudocellata, *Squatina* Last [P. R.] & White [W. T.] 2008:16, Figs. 6-7, 8c [Zootaxa No. 1734; ref. [29746](#)] West of Dorre Island, Western Australia, 25°09'S, 112°09'E, depth 312 meters. Holotype: CSIRO H 2567-01. Paratypes: CSIRO CA 3291 (1), CA 3663 (1), CA 4474 (1), H 4070-01(1), H 5188-03 (1); WAM P 26195-001 (1). •Valid as *Squatina pseudocellata* Last & White 2008 -- (Theiss & Ebert 2013:83 [ref. [33034](#)], Weigmann 2016:71 [ref. [34211](#)], Acero P. et al. 2016:583

[ref. [34531](#)]). **Current status:** Valid as *Squatina pseudocellata* Last & White 2008. Squatinidae. Distribution: Australia: Western Australia. Habitat: marine.

punctata, *Squatina* Marini [T. L.] 1936:22, 27, Fig. 4 [Physis (Buenos Aires) v. 12; ref. [13716](#)] Argentina. No types known. Appeared as *Squatina punctata* twice in text, as *punctata* in key and caption to Fig. 4. First reviser not researched; *punctata* was selected by Eschmeyer 1998:1398 [ref. [23416](#)]. Available from key and as name plus figure, with "Su descripción en el próximo número" [not found]. •Synonym of *Squatina argentina* Marini 1936 -- (Compagno 1984:142 [ref. [6474](#)]). •Valid as *Squatina punctata* Marini 1936 -- (Soto 2001:66, 97 [ref. [26637](#)], Gadig & Gomes in Menezes et al. 2003:27 [ref. [27192](#)], Last & White 2008:2 [ref. [29746](#)]). •Synonym of *Squatina guggenheim* Marini 1936 -- (Vaz & Carvalho 2013:19 [ref. [32825](#)], Weigmann 2016:70 [ref. [34211](#)]). **Current status:** Synonym of *Squatina guggenheim* Marini 1936. Squatinidae. Habitat: marine.

squatina, *Squalus* Linnaeus [C.] 1758:233 [Systema Naturae, Ed. X v. 1; ref. [2787](#)] Mediterranean Sea and northeastern Atlantic [original: "In Oceano Europæo"]; localities include Cornwall, England; Bordeaux, France, Bay of Biscay; Marseille, France; Genoa and Rome, Italy; Lesbos Island, Greece; Syria, Mediterranean Sea. Possible syntypes: ZMUU Linn. coll. 161 (1, dry) and NRM 87 (1). Type catalog: Lönnberg 1896:38 [ref. [23530](#)]. Originally based at least 31 pre-Linnaean sources including Artedi 1738:67 [ref. [30578](#)] and Artedi 1738:95 [ref. [30349](#)] as *Squalus pinna ani carens, ore in apice capitis*; Rondelet 1554:367 [ref. [30354](#)] as *Squatina*, Salviani 1558:152, Pl. (p. 151) [ref. [30229](#)] as *Squatina*, Willughby 1686:79 [ref. [30164](#)] and Ray 1713:26 [ref. [30231](#)] as *Squatina*. •Valid as *Squatina squatina* (Linnaeus 1758) -- (Krefft 1973:49 [ref. [7166](#)], Compagno 1984:150 [ref. [6474](#)], Roux in Whitehead et al. 1984:150 [ref. [13675](#)], Dor 1984:12 [ref. [29757](#)], Springer 1990:77 [ref. [19315](#)], Goren & Dor 1994:4 [ref. [25356](#)], Compagno 1999:475 [ref. [25589](#)], Bilecenoğlu et al. 2002:19 [ref. [26753](#)], Fricke 2007:25 [ref. [30577](#)], Fricke et al. 2007:17 [ref. [29533](#)], Vasil'eva 2007:19 [ref. [30517](#)], George 2009:56 [ref. [30539](#)], Golani & Bogorodsky 2010:57 [ref. [35264](#)], Lipej & Dulčić 2010:11 [ref. [36649](#)], Parin et al. 2014:28 [ref. [33547](#)], Dyldin 2015:58 [ref. [34524](#)], Weigmann 2016:71 [ref. [34211](#)], Acero P. et al. 2016:583 [ref. [34531](#)], Compagno 2016:1218 [ref. [34544](#)]). **Current status:** Valid as *Squatina squatina* (Linnaeus 1758). Squatinidae. Distribution: Western Baltic Sea, North Sea, Mediterranean Sea, Black Sea, eastern Atlantic: Norway south to Canary Islands and Western Sahara. Habitat: marine.

tergocellata, *Squatina* McCulloch [A. R.] 1914:84, Fig. 2; Pl. 15. [Biological Results Endeavour v. 2 (pt 3); ref. [2940](#)] Great Australian Bight, 127°-128°E, South Australia, depth 160-200 fathoms. Holotype (unique): AMS E.4286 (missing). •Valid as *Squatina tergocellata* McCulloch 1914 -- (Compagno 1984:151 [ref. [6474](#)], Allen & Swainston 1988:26 [ref. [25477](#)], Paxton et al. 1989:62 [ref. [12442](#)], Gomon et al. 1994:153 [ref. [22532](#)], Last & Stevens 1994:281 [ref. [23873](#)], Compagno 1999:475 [ref. [25589](#)], Hutchins 2001:15 [ref. [25847](#)], Hoese & Gates 2006:159 [ref. [28997](#)], Last & White 2008:2 [ref. [29746](#)], White 2008:98 [ref. [30617](#)], Theiss & Ebert 2013:83 [ref. [33034](#)], Weigmann 2016:71 [ref. [34211](#)], Acero P. et al. 2016:583 [ref. [34531](#)]). **Current status:** Valid as *Squatina tergocellata* McCulloch 1914. Squatinidae. Distribution: Southern and western Australia. Habitat: marine.

tergocellatoides, *Squatina* Chen [J. T. F.] 1963:98, Fig. 28 [Biological Bulletin, Tunghai University, Department of Biology, College of Science, Ichthyology Series No. 1; ref. [4449](#)] Taiwan Strait, western Taiwan. Holotype (unique): THUP 00348. Type catalog: Ho & Shao 2011:19 [ref. [31432](#)]. Holotype was thought to be lost by Walsh & Ebert 2007 [ref. [29245](#)], but found by Ho & Shao 2011:19 [ref. [31432](#)]. •Valid as *Squatina tergocellatoides* Chen 1963 -- (Compagno 1999:475 [ref. [25589](#)], Compagno in Randall & Lim 2000:581 [ref. [25122](#)], Walsh & Ebert 2007:45 [ref. [29245](#)], Kriwet et al. 2010:120 [ref. [30825](#)], Last et al. 2010:42 [ref. [32461](#)], Walsh 2011:58 [ref. [31151](#)], Ho & Shao 2011:19 [ref. [31432](#)], Theiss & Ebert 2013:74 [ref. [33034](#)], Ebert et al. 2013:301 [ref. [33045](#)], Weigmann 2016:71 [ref. [34211](#)], Acero P. et al. 2016:583 [ref. [34531](#)]). **Current status:** Valid as *Squatina tergocellatoides* Chen 1963. Squatinidae. Distribution: North Pacific: Taiwan Straits, Vietnam, Hong Kong, Malaysia. Habitat: marine.

varii, *Squatina* Vaz [D. F. B.] & Carvalho [M. R. de] 2018:145, Figs. 1-8 [Copeia 106 (no. 1); ref. [35832](#)] Continental slope of Espírito Santo state, Brazil, southwestern Atlantic Ocean, 19°42'54"S, 39°25'57"W, depth 195 meters. Holotype: MNRJ 43106. Paratypes: MNRJ. Plus additional non-type material. •Valid as *Squatina varii* Vaz & Carvalho 2018. **Current status:** Valid as *Squatina varii* Vaz & Carvalho 2018. Squatinidae. Distribution: Brazil. Habitat: marine.

vulgaris, *Squatina* Risso [A.] 1810:45 [Ichthyologie de Nice; ref. [3755](#)] Nice, France, northwestern Mediterranean Sea. No types known. •Synonym of *Squatina squatina* (Linnaeus 1758) -- (Krefft 1973:49 [ref. [7166](#)], Compagno 1984:150 [ref. [6474](#)], Dylidin 2015:58 [ref. [34524](#)], Compagno 2016:1218 [ref. [34544](#)]). **Current status:** Synonym of *Squatina squatina* (Linnaeus 1758). Squatinidae. Habitat: marine.