

Taxonomic Checklist of Fish taxa included in the Appendices
at the 18th Meeting of the Conference of the Parties
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Species information extracted from
Eschmeyer, W.N., R. Fricke, and R. van der Laan (eds.)

CATALOG OF FISHES: GENERA, SPECIES, REFERENCES.
(<http://researcharchive.calacademy.org/research/ichthyology/catalog/fishcatmain.asp>).

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Class Elasmobranchii

Order Lamniformes

Family Lamnidae

Genus *Isurus* Rafinesque 1810

***Isurus oxyrinchus* Rafinesque 1810**

***Isurus paucus* Guitart Manday 1966**

Genus *Isurus* Rafinesque 1810

Isurus Rafinesque [C. S.] 1810:11 [Caratteri di alcuni nuovi generi e nuove specie di animali e piante della Sicilia; ref. [3594](#)] Masc. *Isurus oxyrinchus* Rafinesque 1810. Type by monotypy. •Valid as *Isurus* Rafinesque 1810 -- (Garrick 1967 [ref. [18102](#)], Springer 1973:14 [ref. [7162](#)], Quéro in Whitehead et al. 1984:85 [ref. [13675](#)], Compagno 1984:242 [ref. [6474](#)], Nakaya in Masuda et al. 1984:9 [ref. [6441](#)], Bass 1986:99 [ref. [5635](#)], Cappetta 1987:96 [ref. [6348](#)], Paxton et al. 1989:67 [ref. [12442](#)], Gomon et al. 1994:142 [ref. [22532](#)], Compagno 1999:478 [ref. [25589](#)], Compagno 2001:108 [ref. [26323](#)], Ebert 2001:117 [ref. [26003](#)], Mecklenburg et al. 2002:75 [ref. [25968](#)], Compagno 2003:434 [ref. [26984](#)], Compagno et al. 2005:18 [ref. [29145](#)], Hoese & Gates 2006:78 [ref. [28997](#)], White 2008:39 [ref. [30617](#)], Lipej & Dulčić 2010:6 [ref. [36649](#)], Castro 2011:256 [ref. [31457](#)], Mollen et al. 2012:31 [ref. [32005](#)], Parin et al. 2014:19 [ref. [33547](#)], Duffy 2015:72 [ref. [34217](#)], Dylidin 2015:46 [ref. [34524](#)], Bañón et al. 2016:301 [ref. [34397](#)], Del Moral-Flores et al. 2016:77 [ref. [34398](#)], 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](#)], White & Ko'ou 2018:24 [ref. [35922](#)], Brown et al. 2019:153 [ref. [36444](#)], Fricke et al. 2019:38 [ref. [36673](#)], Stone & Shimada 2019:633 [ref. [37195](#)]). **Current status:** Valid as *Isurus* Rafinesque 1810. Lamnidae.

***Isurus oxyrinchus* Rafinesque 1810**

Isurus oxyrinchus 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 *oxyrhinchus*, 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](#)], Bilecenoglu 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](#)], Choi et al. 2003:58, 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 *oxyrhynchus*, 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](#)], Compagno et al. 2005:18 [ref. [29145](#)], Golani 2005:8 [ref. [37112](#)], Mundy 2005:97 [ref. [28379](#)], 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 & Ah Yong 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](#)], Almeida & Biscoito 2019:59 [ref. [37302](#)], Brown et al. 2019:153 [ref. [36444](#)], Burton & Lea 2019:28 [ref. [37205](#)], Carneiro et al. 2019:18 [ref. [37250](#)], Ehemann et al. 2019:[3] [ref. [36861](#)], Fricke et al. 2019:38 [ref. [36673](#)], Hoschke et al. 2019:153 [ref. [36626](#)], Parenti 2019:101 [ref. [37117](#)], Stone & Shimada 2019:633 [ref. [37195](#)], Zajonz et al. 2019:58 [ref. [36871](#)], Psomadakis et al. 2020:164 [ref. [37272](#)]). **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.

Synonyms:

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): SAIB [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](#)], Dylidin 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](#)], Dylidin 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, Dylidin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Isurus oxyrinchus* Rafinesque 1810. Lamnidae. Habitat: marine.

dekayi, *Isuopsis* 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](#)], Dylidin 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](#)], Dyldin 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](#)], Dyldin 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 *güntheri*. •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.

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](#)], Dyldin 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](#)], Dyldin 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](#)], Dyldin 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](#)], Dyldin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Isurus oxyrinchus* Rafinesque 1810. Lamnidae. Habitat: marine.

spallanzani, *Isurus* Rafinesque [C. S.] 1810:45, 60 [Indice d'ittiologia 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](#)], Bilecenoglu et al. 2002:10 [ref. [26753](#)] with wrong author, Lipej & Dulčić 2010:6 [ref. [36649](#)] as *Oxyrhina spallanzanii*, Castro 2011:267 [ref. [31457](#)], Dyldin 2015:46 [ref. [34524](#)], Parenti 2019:102 [ref. [37117](#)]). **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, Dydin 2015:46 [ref. [34524](#)]). **Current status:** Synonym of *Isurus oxyrinchus* Rafinesque 1810. Lamnidae. Habitat: marine.

***Isurus paucus* Guitart Manday 1966**

Isurus paucus 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 & Fechhelm 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](#)], Hemida & Capapé 2008:187 [ref. [37200](#)], White 2008:41 [ref. [30617](#)], Ruiz-Campos et al. 2010:365 [ref. [37373](#)], 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](#)], Almeida & Biscoito 2019:60 [ref. [37302](#)], Carneiro et al. 2019:18 [ref. [37250](#)], Ehemann et al. 2019:[3] [ref. [36861](#)], Fernando et al. 2019:229 [ref. [36642](#)], Stone & Shimada 2019:633 [ref. [37195](#)]). **Current status:** Valid as *Isurus paucus* Guitart Manday 1966. Lamnidae. Distribution: Nearly circumglobal in tropical and subtropical seas (including Caribbean Sea, Mediterranean Sea). Habitat: marine.

Synonyms:

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.

Lamiostoma belyaevi 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.

Class Elasmobranchii

Order Rhinopristiformes

Family Glaucostegidae

Genus *Glaucostegus* Bonaparte 1846

Glaucostegus cemiculus (Geoffroy St. Hilaire 1817)

Glaucostegus granulatus (Cuvier 1829)

Glaucostegus halavi (Forsskål 1775).

Glaucostegus microphthalmus (Teng 1959)

Glaucostegus obtusus (Müller & Henle 1841)

Glaucostegus petiti (Chabanaud 1929)

Glaucostegus spinosus (Günther 1870).

Glaucostegus thouin (Anonymous [Lacepède] 1798)

Glaucostegus typus (Anonymous [Bennett] 1830)

Genus *Glaucostegus* Bonaparte 1846

Glaucostegus Bonaparte [C. L.] 1846:14 [Atti della Settima Adunanza degli Scienziati Italiani Sesta Riunione, Milano 7a Adunanza, Napoli, Part 2; ref. [519](#)] Masc. *Rhinobatos cemiculus* Geoffroy St. Hilaire 1827. Type by subsequent designation. Earliest type designation apparently Jordan & Evermann 1896:61 [ref. [2443](#)] as *Rhina rhinobatus* Shaw = *Rhina cemiculus* Geoffroy. Compagno et al. 2005:61 [ref. [29145](#)] say Whitley 1939 designated *Rhinobatos cemiculus* St. Hilaire [Geoffroy St. Hilaire] 1827. Correct spelling of the genus of type species should be *Rhinobatos*. •Objective synonym of *Rhinobatos* Linck 1790 -- (Krefft & Stehmann 1973:53 [ref. [7167](#)]). •Synonym of *Rhinobatos* Linck 1790, but a valid subgenus *Glaucostegus* -- (Compagno 1999:485 [ref. [25589](#)]). •Valid as *Glaucostegus* Bonaparte 1846 -- (Compagno et al. 2005:61 [ref. [29145](#)], Kottelat 2013:24 [ref. [32989](#)], Last et al. 2016:472 [ref. [34473](#)] in Glaucostegidae, Séret et al. 2016:111 [ref. [34993](#)], White et al. 2017:210 [ref. [35860](#)], Fricke et al. 2018:24 [ref. [35805](#)], Golani & Fricke 2018:14 [ref. [36273](#)], White & Ko'ou 2018:49 [ref. [35922](#)]). **Current status:** Valid as *Glaucostegus* Bonaparte 1846. Glaucostegidae.

Glaucostegus cemiculus (Geoffroy St. Hilaire 1817)

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](#)], Golani 2005:13 [ref. [37112](#)], 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](#)], Almeida & Biscoito 2019:126 [ref. [37302](#)], Carneiro et al. 2019:42 [ref. [37250](#)]). **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.

Synonyms:

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.

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.

Glaucostegus granulatus (Cuvier 1829)

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](#)], Eagderi et al. 2019:15 [ref. [37020](#)], Psomadakis et al. 2020:196 [ref. [37272](#)]). **Current status:** Valid as *Glaucostegus granulatus* (Cuvier 1829). Glaucostegidae. Distribution: Northern Indian Ocean: Persian Gulf and Gulf of Oman east to Myanmar. Habitat: marine.

Synonyms:

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:xliv [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.

Glaucostegus halavi (Forsskål 1775).

halavi, *Raja* Fabricius [J. C.] in Niebuhr (ex Forsskål) 1775:19, viii [Descriptiones animalium (Forsskål); ref. [1351](#)] Jeddah, Saudia Arabia, Red Sea. No types known. Authorship according to Fricke 2008:11 [ref. [30182](#)]. •Valid as *Rhinobatos halavi* (Forsskål 1775) -- (Krefft & 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](#)], Almeida & Biscoito 2019:127 [ref. [37302](#)], Eagderi et al. 2019:16 [ref. [37020](#)]). •Valid as *Glaucostegus halavi* (Fabricius 1775) -- (Fricke 2008:11 [ref. [30182](#)]). **Current status:** Valid as

Glaucostegus halavi (Forsskål 1775). Glaucostegidae. Distribution: Red Sea, northwestern Indian Ocean; Persian Gulf, Gulf of Oman, Pakistan. Habitat: marine.

Glaucostegus microphthalmus (Teng 1959)

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* (Müller & 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). Glaucostegidae. Distribution: Western Pacific: Taiwan. Habitat: marine.

Glaucostegus obtusus (Müller & Henle 1841)

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](#)], Psomadakis et al. 2020:196 [ref. [37272](#)]). **Current status:** Valid as *Glaucostegus obtusus* (Müller & Henle 1841). Glaucostegidae. Distribution: Northern Indian Ocean: Pakistan east to western Thailand. Habitat: marine.

Glaucostegus petiti (Chabanaud 1929)

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.

Glaucostegus spinosus (Günther 1870).

spinosus, *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 spinosus* 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 spinosus* (Günther 1870) --

(Weigmann 2016:85 [ref. [34211](#)] see remarks). •Valid as *Pseudobatos spinosus* (Günther 1870) -- (Ehemann et al. 2018:26 [ref. [36194](#)] with question). **Current status:** Valid as *Glaucostegus spinosus* (Günther 1870). Glaucostegidae. Distribution: Eastern Pacific. Habitat: marine.

Glaucostegus thouin (Anonymous [Lacepède] 1798

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](#)], Psomadakis et al. 2020:197 [ref. [37272](#)]). **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.

Synonyms:

ligonifer, Rhinobatus (Rhinobatus) Cantor [T. E.] 1849:1397 [415], Pl. 14 [Journal of the Asiatic Society of Bengal v. 18 (pt 2); ref. [715](#)] Malay Peninsula; Singapore. Syntypes: (several) BMNH 1860.3.19.359 (1), 1860.3.19.543 (1, stuffed). On p. 415 of separate. •Synonym of *Glaucostegus thouin* (Anonymous [Lacepède] 1798) -- (Weigmann 2016:85 [ref. [34211](#)]). **Current status:** Synonym of *Glaucostegus thouin* (Anonymous [Lacepède] 1798). Glaucostegidae. 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.

Glaucostegus typus (Anonymous [Bennett] 1830

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. [32267](#)] 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](#)], Psomadakis et al. 2020:197 [ref.

[37272](#)). **Current status:** Valid as *Glaucostegus typus* (Anonymous [Bennett] 1830). Glaucostegidae. Distribution: Indo-West Pacific: India east to Indonesia, north to Thailand, south to northern Australia. Absent from Philippines, possibly in Melanesia. Habitat: freshwater, brackish, marine.

Synonyms:

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.

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.

Class Elasmobranchii
Order Rhinopristiformes
Family Rhinidae

Genus *Rhina* Bloch & Schneider 1801

Rhina ancylostomus Bloch & Schneider 1801

Genus *Rhynchobatus* Müller & Henle 1837

Rhynchobatus australiae Whitley 1939

Rhynchobatus cooki Last, Kyne & Compagno 2016.

Rhynchobatus djiddensis (Forsskål 1775)

Rhynchobatus immaculatus Last, Ho & Chen 2013

Rhynchobatus laevis (Bloch & Schneider 1801)

Rhynchobatus luebberti Ehrenbaum 1915

Rhynchorhina mauritaniensis Séret & Naylor 2016

Rhynchobatus palpebratus Compagno & Last 2008.

Rhynchobatus springeri Compagno & Last 2010

Genus *Rhina* Bloch & Schneider 1801

Rhina Bloch [M. E.] & Schneider [J. G.] 1801:352 [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] Fem. *Rhina ancylostomus* Bloch & Schneider 1801. Type designated by indication under ICZN Opinion 6. On Official List; *Rhina* Schaeffer 1760, *Rhina* Walbaum 1792, and *Rhina* Rafinesque 1810 placed on Official Index (Opinion 345). •Valid as *Rhina* Bloch & Schneider 1801 -- (Nakaya in Masuda et al. 1984:12 [ref. [6441](#)], Compagno 1986:128 [ref. [5648](#)], Paxton et al. 1989:53 [ref. [12442](#)], Compagno & Last 1999:1419 [ref. [24637](#)], Compagno 1999:485 [ref. [25589](#)], Compagno et al. 2005:58 [ref. [29145](#)], Paxton et al. 2006:175 [ref. [28994](#)], Dylidin 2015:59 [ref. [34524](#)], Last et al. 2016:471 [ref. [34473](#)] in Rhinidae, Last et al. 2016:66 [ref. [34992](#)], White et al. 2017:200 [ref. [35860](#)], Fricke et al. 2018:23 [ref. [35805](#)], Golani & Fricke 2018:15 [ref. [36273](#)], White & Ko'ou 2018:47 [ref. [35922](#)]). **Current status:** Valid as *Rhina* Bloch & Schneider 1801. Rhinidae.

Synonyms:

Demiurga Gistel [J.] 1848:X [Naturgeschichte des Thierreichs; ref. [1822](#)] Fem. *Rhina ancylostomus* Bloch & Schneider 1801. Type by being a replacement name. Unneeded replacement for *Rhina* Bonaparte and Müller (with species *ancylostoma*), preoccupied in beetles [Oliver 1807], but *Rhina* dates to Bloch & Schneider 1801 (see Jordan 1919:339 [ref. [2409](#)]) and predates Oliver 1807. •Synonym of *Rhina* Bloch & Schneider 1801. **Current status:** Synonym of *Rhina* Bloch & Schneider 1801. Rhinidae.

Rhamphobatis Gill [T. N.] 1862:408 [Annals of the Lyceum of Natural History of New York v. 7 (art. 32); ref. [1783](#)] Fem. *Rhina ancylostomus* Bloch & Schneider 1801. Type by being a replacement name. Unneeded replacement for *Rhina* Bloch & Schneider 1801, not preoccupied by *Rhina* Klein 1742 [unavailable] in fishes. •Objective synonym of *Rhina* Bloch & Schneider 1801. **Current status:** Synonym of *Rhina* Bloch & Schneider 1801. Rhinidae.

Rhina ancylostomus Bloch & Schneider 1801

ancylostomus, *Rhina* Bloch [M. E.] & Schneider [J. G.] 1801:352, Pl. 72 [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] Coromandel, India. Lectotype: ZMB (lost). Paralectotypes: ZMB 4621 (1, dry, lost). Type catalog: Paepke & Schmidt 1988:175 [ref. [21041](#)], Paepke 1999:122-123 [ref. [24282](#)]. Lectotype selected by Paepke 1999:123 [ref. [24282](#)] as the specimen figured in Pl. 72. •Valid as *Rhina ancylostomus* Bloch & Schneider 1801 -- [seen as *ancylostoma* and *ancylostomus*, *ancylostomus* [noun] probably correct] -- (Dor 1984:14 [ref. [29757](#)], Nakaya in Masuda et al. 1984:12 [ref. [6441](#)], Compagno 1986:128 [ref. [5648](#)], Allen & Swainston 1988:24 [ref. [25477](#)], Paxton et al. 1989:53 [ref. [12442](#)], Last & Stevens 1994:296 [ref. [23873](#)], Goren & Dor 1994:4 [ref. [25356](#)], Randall 1995:42 [ref.

[22896](#)], Allen 1997:44 [ref. [23977](#)], Randall et al. 1997:493 [ref. [25919](#)], Fricke 1999:29 [ref. [24106](#)], Morón et al. 1999:149 [ref. [24253](#)], Compagno & Last 1999:1421 [ref. [24637](#)], Johnson 1999:718 [ref. [25471](#)], Compagno 1999:485 [ref. [25589](#)], Nakabo 2000:159 [ref. [25086](#)], Compagno in Randall & Lim 2000:582 [ref. [25122](#)], Hutchins 2001:15 [ref. [25847](#)], Nakabo 2002:159 [ref. [26001](#)], Choi et al. 2003:64, 480 [ref. [26218](#)], Sujatha 2002:157 [ref. [26899](#)] as *ancylostoma*, Manilo & Bogorodsky 2003:S93 [ref. [27377](#)], Bonfil & Abdallah 2004:47 [ref. [27735](#)], Heemstra & Heemstra 2004:79 [ref. [28072](#)], Compagno et al. 2005:59 [ref. [29145](#)], Paxton et al. 2006:175 [ref. [28994](#)], Last et al. 2010:146 [ref. [32461](#)], Fricke et al. 2011:347 [ref. [31242](#)], Allen & Erdmann 2012:62 [ref. [31980](#)], Larson et al. 2013:16 [ref. [32988](#)], Ebert et al. 2013:346 [ref. [33045](#)], Psomadakis et al. 2015:97 [ref. [34104](#)], Dylidin 2015:59 [ref. [34524](#)] as *ancylostoma*, Weigmann 2016:82 [ref. [34211](#)], Last et al. 2016:471 [ref. [34473](#)] as *ancylostoma*, Séret & Naylor 2016:307 [ref. [34547](#)] as *ancylostoma*, Last et al. 2016:233 [ref. [34563](#)] as *ancylostoma*, Last et al. 2016:67 [ref. [34992](#)] as *ancylostoma*, White et al. 2017:200 [ref. [35860](#)] as *ancylostoma*, Ali et al. 2018:303 [ref. [36183](#)] as *ancylostoma*, Fricke et al. 2018:23 [ref. [35805](#)], Golani & Fricke 2018:15 [ref. [36273](#)] as *ancylostoma*, Kumar et al. 2018:297 [ref. [36178](#)], White & Ko'ou 2018:47 [ref. [35922](#)] as *ancylostoma*, Eagderi et al. 2019:15 [ref. [37020](#)] as *ancylostoma*, Psomadakis et al. 2020:194 [ref. [37272](#)] as *ancylostoma*). **Current status:** Valid as *Rhina ancylostomus* Bloch & Schneider 1801. Rhinidae. Distribution: Red Sea, Indo-West Pacific: East Africa, South Africa, Persian Gulf, Seychelles, Madagascar and Mauritius (Mascarenes) east to Philippines, north to southern Japan, south to New South Wales (Australia) and New Caledonia. Habitat: marine.

Synonyms:

cyclostomus, *Rhinobates* (*Rhina*) Swainson [W.] 1839:322 [The natural history and classification v. 2; ref. [4303](#)] Unneeded new name for *Rhina ancylostomus* Bloch & Schneider 1801. •Objective synonym of *Rhina ancylostomus* Bloch & Schneider 1801. **Current status:** Synonym of *Rhina ancylostomus* Bloch & Schneider 1801. Rhinidae. Habitat: marine.

Genus *Rhynchobatus* Müller & Henle 1837

Rhynchobatus Müller [J.] & Henle [F. G. J.] 1837:116 [Bericht über die zur Bekanntmachung geeigneten Verhandlungen der Königlichen Preussischen Akademie der Wissenschaften zu Berlin 1837; ref. [3067](#)] Masc. *Rhinobatus laevis* Bloch & Schneider 1801. Type by monotypy. Also in Müller & Henle 1841:111 [ref. [3069](#)]. *Rhinobatis* is a misspelling. •Valid as *Rhynchobatus* Müller & Henle 1837 -- (Nakaya in Masuda et al. 1984:12 [ref. [6441](#)], Compagno 1986:131 [ref. [5648](#)], Cappetta 1987:134 [ref. [6348](#)], Paxton et al. 1989:54 [ref. [12442](#)], Compagno & Last 1999:1419 [ref. [24637](#)], Compagno 1999:485 [ref. [25589](#)], Compagno et al. 2005:59 [ref. [29145](#)], Paxton et al. 2006:175 [ref. [28994](#)], Compagno & Last 2008:230 [ref. [29689](#)], Compagno & Last 2010:77 [ref. [30851](#)], Last et al. 2013:185 [ref. [33039](#)], Last et al. 2016:471 [ref. [34473](#)] in Rhinidae, Last et al. 2016:233 [ref. [34563](#)], Last et al. 2016:66 [ref. [34992](#)], White et al. 2017:202 [ref. [35860](#)], Fricke et al. 2018:23 [ref. [35805](#)], Golani & Fricke 2018:15 [ref. [36273](#)], White & Ko'ou 2018:47 [ref. [35922](#)], Fricke et al. 2019:43 [ref. [36673](#)]). **Current status:** Valid as *Rhynchobatus* Müller & Henle 1837. Rhinidae.

Rhynchobatus australiae Whitley 1939

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](#)], Eagderi et al. 2019:15 [ref. [37020](#)], Fricke et al. 2019:43 [ref. [36673](#)], Psomadakis et al. 2020:194 [ref. [37272](#)]).

Current status: Valid as *Rhynchobatus australiae* Whitley 1939. Rhinidae. Distribution: Indo-West Pacific: East Africa and Persian Gulf east to Philippines and New Ireland (Papua New Guinea), south to eastern Australia. Habitat: marine.

***Rhynchobatus cooki* Last, Kyne & Compagno 2016.**

cooki, *Rhynchobatus* Last [P. R.], Kyne [P. M.] & Compagno [L. J. V.] 2016:235, Figs. 1-8 [Zootaxa 4139 (no. 2); ref. [34563](#)] Jurong fish market, Singapore. Holotype: ZRC 41175. Paratypes: BPBM, CAS, SAMC, ZRC. Plus additional non-type material. •Valid as *Rhynchobatus cooki* Last, Kyne & Compagno 2016. •Treated by mistake as *Rhynchobatus compagno* in Last, White & Seret 2016 [ref. [35000](#)] as a name left in by mistake for *Rhynchobatus cooki* as pointed out by Christopher Scharpf, 30 Dec. 2016; compare p. 57, 757 and the index. **Current status:** Valid as *Rhynchobatus cooki* Last, Kyne & Compagno 2016. Rhinidae. Distribution: Singapore, Indonesia. Habitat: marine.

***Rhynchobatus djiddensis* (Forsskål 1775)**

djiddensis, *Raja* Forsskål [P. S.] in Niebuhr 1775:18, viii [Descriptiones animalium (Forsskål); ref. [1351](#)] Jeddah, Saudi Arabia and Luhaiya, Yemen, Red Sea. No types known. Authorship according to Fricke 2008:11 [ref. [30182](#)]. As *Rhinobatus djidsensis* in Bloch & Schneider 1801:356 [ref. [471](#)], and as *Rhinobatus djeddensis* in Rüppell 1829:54 [3843]; also sometimes misspelled "djettensis". •Valid as *Rhynchobatus djiddensis* (Forsskål 1775) -- (Dor 1984:14 [ref. [29757](#)], Nakaya in Masuda et al. 1984:12 [ref. [6441](#)], Compagno 1986:131 [ref. [5648](#)], Allen & Swainston 1988:24 [ref. [25477](#)], Paxton et al. 1989:54 [ref. [12442](#)], Last & Stevens 1994:297 [ref. [23873](#)], Goren & Dor 1994:4 [ref. [25356](#)], Randall 1995:43 [ref. [22896](#)], Mohsin & Ambak 1996:72 [ref. [27969](#)], Allen 1997:44 [ref. [23977](#)], Larson & Williams 1997:343 [ref. [23967](#)], Kuitert 1997:16 [ref. [25488](#)], Randall et al. 1997:493 [ref. [25919](#)], Myers 1999:38 [ref. [23965](#)], Fricke 1999:30 [ref. [24106](#)], Morón et al. 1999:149 [ref. [24253](#)], Johnson 1999:718 [ref. [25471](#)], Compagno 1999:485 [ref. [25589](#)], Nakabo 2000:159 [ref. [25086](#)], Laboute & Grandperrin 2000:100 [ref. [25191](#)], Iwatsuki et al. 2000:96 [ref. [26368](#)], Hutchins 2001:15 [ref. [25847](#)], Nakabo 2002:159 [ref. [26001](#)], Choi et al. 2003:64, 481 [ref. [26218](#)], Sujatha 2002:157 [ref. [26899](#)], Manilo & Bogorodsky 2003:S93 [ref. [27377](#)], Myers & Donaldson 2003:609 [ref. [27495](#)] as *Rhinobatus*, Bonfil & Abdallah 2004:47 [ref. [27735](#)], Heemstra & Heemstra 2004:79 [ref. [28072](#)], Randall 2005:17 [ref. [28239](#)], Compagno et al. 2005:60 [ref. [29145](#)], Compagno & Last 2008:230 [ref. [29689](#)], Fricke 2008:11 [ref. [30182](#)], Fricke et al. 2009:12 [ref. [30213](#)], Compagno & Last 2010:77 [ref. [30851](#)], Fricke et al. 2011:347 [ref. [31242](#)], Last et al. 2013:185 [ref. [33039](#)], 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. 2016:70 [ref. [34992](#)], Ali et al. 2018:303 [ref. [36183](#)], Fricke et al. 2018:23 [ref. [35805](#)], Golani & Fricke 2018:15 [ref. [36273](#)], Kumar et al. 2018:297 [ref. [36178](#)], Suresh et al. 2018:45 [ref. [36495](#)], Eagderi et al. 2019:15 [ref. [37020](#)], Zajonz et al. 2019:59 [ref. [36871](#)]). **Current status:** Valid as *Rhynchobatus djiddensis* (Forsskål 1775). Rhinidae. Distribution: Red Sea, western Indian Ocean: East Africa and South Africa to Madagascar and Réunion (western Mascarenes) and Persian Gulf. Habitat: brackish, marine.

Synonyms:

rueppellii, *Rhinobates* Swainson [W.] 1838:185, Fig. 24 [The natural history and classification of fishes, amphibians, & reptiles, or monocardian animals. v. 1; ref. [4302](#)] No locality. No types known. Original as *Rüppellii*, corrected to *rueppellii* Kullander 2016:94 [ref. [34436](#)]. See Kullander 2016:92 [ref. [34436](#)]. •Possible synonym of *Rhynchobatus djiddensis* (Forsskål 1775)

-- (Compagno & Last 2008:230 [ref. [29689](#)]). **Current status:** Uncertain as *Rhynchobatus djiddensis* (Forsskål 1775). Rhinidae. Habitat: brackish, marine.

Rhynchobatus immaculatus Last, Ho & Chen 2013

immaculatus*, *Rhynchobatus Last [P. R.], Ho [H.-C.] & Chen [R.-R.] 2013:189, Figs. 2-7 [Zootaxa 3752 (no. 1); ref. [33039](#)] Keelung fish market, Taiwan. Holotype: NMMB P16274. Paratypes: CSIRO H 7418 (1); NMMB P16135 (1), P16215 (1). Plus non-type specimens. •Valid as *Rhynchobatus immaculatus* Last, Ho & Chen 2013 -- (Ebert et al. 2013:348 [ref. [33045](#)], Weigmann 2016:82 [ref. [34211](#)], Last et al. 2016:472 [ref. [34473](#)], Last et al. 2016:233 [ref. [34563](#)], Last et al. 2016:71 [ref. [34992](#)]). **Current status:** Valid as *Rhynchobatus immaculatus* Last, Ho & Chen 2013. Rhinidae. Distribution: Taiwan. Habitat: marine.

Rhynchobatus laevis (Bloch & Schneider 1801)

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. [32267](#)] 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](#)], Eagderi et al. 2019:15 [ref. [37020](#)], Psomadakis et al. 2020:195 [ref. [37272](#)]). **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.

Synonyms:

yentiniensis, *Rhynchobatus* Wang [K.-F.] 1933:98, Fig. 4 [Contributions from the Biological Laboratory of the Science Society of China. (Zoological Series) v. 9 (no. 3); ref. [16467](#)] Yenting [Wenching], Wenchow, China. Holotype (unique): SSCN 10881 (skin). •Possibly a synonym of *Rhynchobatus laevis* (Bloch & Schneider 1801) -- (Compagno & Last 2008:230 [ref. [29689](#)]). •Mention -- (Compagno & Last 2010:86 [ref. [30851](#)]). •Placement is uncertain -- (Last et al. 2013:185 [ref. [33039](#)]). **Current status:** Synonym of *Rhynchobatus laevis* (Bloch & Schneider 1801). Rhinidae. Habitat: marine.

Rhynchobatus luebberti Ehrenbaum 1915

luebberti*, *Rhynchobatus Ehrenbaum [E.] 1915:69, Fig. [Über Küstenfische von Westafrika, besonders von Kamerun.; ref. [15784](#)] West Africa. Holotype: ZMH (lost). Possibly dates to 1914. Originally as *lubberti*. •Valid as *Rhynchobatus luebberti* Ehrenbaum 1915 -- (Stehmann 1990:22 [ref. [19316](#)], Compagno 1999:485 [ref. [25589](#)], Compagno & Last 2008:230 [ref. [29689](#)], Compagno & Last 2010:77 [ref. [30851](#)], Compagno & Last 2010:77 [ref. [30851](#)], Weigmann 2016:82 [ref. [34211](#)], Last et al. 2016:472 [ref. [34473](#)], Séret 2016:1356 [ref. [34545](#)], Séret & Naylor 2016:291 [ref. [34547](#)] as *lubberti* and *lubberti*, Last et al. 2016:233 [ref. [34563](#)], Last et al. 2016:73 [ref. [34992](#)], Almeida &

Biscoito 2019:122 [ref. [37302](#)]). **Current status:** Valid as *Rhynchobatus luebberti* Ehrenbaum 1915. Rhinidae. Distribution: Eastern Atlantic: Mauritania south to Angola. Habitat: marine.

Synonyms:

atlanticus, *Rhynchobatus* Regan [C. T.] 1915:124 [Annals and Magazine of Natural History (Series 8) v. 15 (no. 85); ref. [15006](#)] Off Lagos, Nigeria, depth 10-35 fathoms. Holotype (unique): BMNH 1914.11.2.2. •Synonym of *Rhynchobatus luebberti* Ehrenbaum 1915 -- (Stehmann 1990:22 [ref. [19316](#)], Compagno & Last 2008:230 [ref. [29689](#)], Last et al. 2013:185 [ref. [33039](#)], Séret 2016:1356 [ref. [34545](#)], Séret & Naylor 2016:307 [ref. [34547](#)] as *luebberti*). **Current status:** Synonym of *Rhynchobatus luebberti* Ehrenbaum 1915. Rhinidae. Habitat: marine.

Rhynchorhina mauritaniensis Séret & Naylor 2016

mauritaniensis, *Rhynchorhina* Séret [B.] & Naylor [G. J. P.] 2016:293, Figs. 2-14 [Zootaxa 4138 (no. 2); ref. [34547](#)] Iwik, Banc d' Arguin, Mauritania. Holotype: MNHN 2003-0610. Paratypes: MNHN 2003-0611 (1), 2003-0612 (1). •Valid as *Rhynchorhina mauritaniensis* Séret & Naylor 2016 -- (Last et al. 2016:76 [ref. [34992](#)], Almeida & Biscoito 2019:122 [ref. [37302](#)]). **Current status:** Valid as *Rhynchorhina mauritaniensis* Séret & Naylor 2016. Rhinidae. Distribution: Eastern Atlantic: Mauritania endemic. Habitat: marine.

Rhynchobatus palpebratus Compagno & Last 2008.

palpebratus, *Rhynchobatus* Compagno [L. J. V.] & Last [P. R.] 2008:230, Figs. 1-3 [CSIRO Marine and Atmospheric Research Paper No. 022; ref. [29689](#)] Northwest of Wessel Islands, Arafura Sea, Northern Territory, Australia, 10°11'S, 137°17'E, depth 50 meters. Holotype: CSIRO H 3384-01. Paratypes: CSIRO C 2291 (1), CA 2373 (1), H 2376-08 (1), H 3322-01 (1), H 3340-01 (1), H 4297-01 (1). •Valid as *Rhynchobatus palpebratus* Compagno & Last 2008 -- (Compagno & Last 2010:77 [ref. [30851](#)], Allen & Erdmann 2012:62 [ref. [31980](#)], Larson et al. 2013:17 [ref. [32988](#)], Last et al. 2013:185 [ref. [33039](#)], Ebert et al. 2013:347 [ref. [33045](#)], Weigmann 2016:82 [ref. [34211](#)], Last et al. 2016:472 [ref. [34473](#)], Last et al. 2016:233 [ref. [34563](#)], Last et al. 2016:74 [ref. [34992](#)], White et al. 2017:204 [ref. [35860](#)], White & Ko'ou 2018:48 [ref. [35922](#)]). **Current status:** Valid as *Rhynchobatus palpebratus* Compagno & Last 2008. Rhinidae. Distribution: Indo-Malay Archipelago: Australia and Papua New Guinea. Habitat: marine.

Rhynchobatus springeri Compagno & Last 2010

springeri, *Rhynchobatus* Compagno [L. J. V.] & Last [P. R.] 2010:79, Figs. 1-3 [CSIRO Marine and Atmospheric Research Paper No. 032; ref. [30851](#)] Jakarta, Java, Indonesia. Holotype: RMNH PISC 38539. Paratypes: (22) CAS, CSRIO, HUMZ, IPPS, RMNH PISC, CAS-SU, ZMH. Plus non-type material. •Valid as *Rhynchobatus springeri* Compagno & Last 2010 -- (Last et al. 2010:152 [ref. [32461](#)], Allen & Erdmann 2012:62 [ref. [31980](#)], Last et al. 2013:185 [ref. [33039](#)], Ebert et al. 2013:347 [ref. [33045](#)], Weigmann 2016:82 [ref. [34211](#)], Last et al. 2016:472 [ref. [34473](#)], Last et al. 2016:233 [ref. [34563](#)], Last et al. 2016:75 [ref. [34992](#)]). **Current status:** Valid as *Rhynchobatus springeri* Compagno & Last 2010. Rhinidae. Distribution: Indo-Malay Archipelago: Thailand south to Borneo, Java; Taiwan, Singapore and Philippines, possibly more widespread. Habitat: brackish, marine.