

Synphobranchidae

by J. Blache, M.-L. Bauchot & L. Saldanha

G: 3

Sp: 3

- 87.1 **SYNPHOBANCHUS** Johnson, 1862 Gender: M
Proc. zool. Soc. Lond. : 169 (type: *S. kaupii* Johnson, 1862, by monotypy).
Nettophichthys Holt, 1891, *Sci. Proc. R. Dublin Soc.*, 7 : 122 (type: *N. retropinnatus* Holt, 1891, by monotypy).
- 87.1.1 *Synphobranchus kaupii* Johnson, 1862
Synphobranchus kaupii Johnson, 1862, *Proc. zool. Soc. Lond.* : 169 ('Madeira').
 Syntype: BMNH no. 1862.11.9.79.
Synphobranchus pinnatus (nec Gronow, 1854): Günther, 1870, 8 : 23 | Vaillant, 1888 : 88, pl. 6 (fig. 2) | Goode & Bean, 1896 : 143, fig. 164 | Collett, 1896 : 54 | Ehrenbaum, 1902 : 139 | Collett, 1905a : 45 | Holt & Byrne, 1906 : 7 | Byrne, 1907 : 1 | Zugmayer, 1911 : 84 | Murray & Hjort, 1912a : 80, 101, 395, 423, fig. 57a, 264 | Roule, 1919 : 99, pl. 6 (fig. 3b) | Vaillant, 1919 : 135 | Koefoed, 1927 : 58, pl. 2 (fig. 2) | Zugmayer, 1933 : 86 | Noronha & Sarmiento, 1934 : 166 | Nobre, 1935 : 390 | Bruun, 1936 : 1; 1937 : 3–9, 2 fig. | Lozano Rey, 1947 : 517, fig. 165–166 | Nybelin, 1948 : 54 | Maul, 1948 : 145 | Albuquerque, 1954–1956 : 418 | Collins, 1954 : 15 | Dollfus, 1955 : 34, 109 | Postel, 1959–1960 : 149 | Maurin, 1968 : 15, 18, 26, 30, 91, fig. 5.
Nettophichthys retropinnatus Holt, 1891, *Scient. Proc. R. Dublin Soc.*, 7 : 122 ('Ireland Sea'). Type: NMI no. 64.1896.
Nettophichthys retropinnatus: Holt & Calderwood, 1895 : 511, pl. 61 (fig. 2).
Synphobranchus pinnatus var. *parvipinnis* Roule, 1916, *Bull. Inst. océanogr. Monaco*, 320 : 4 ('Sud-est du Portugal'). Syntypes: MOM no. 1248, 2183.
Synphobranchus pinnatus var. *parvipinnis*: Roule, 1919 : 99, pl. 6 (fig. 3).
Synphobranchus kaupii: Castle, 1964 : 40 | Wheeler, 1969 : 224 | Geistdoerfer *et al.*, 1971b : 1183.
 Eggs, larvae and young stages. Collett, 1905b : 387, fig. 147 | Schmidt, 1906a : 236, pl. 9 (fig. 4–6); 1909c : 7, fig. 3, tab. 1–2 | Ehrenbaum, 1909 : 387, fig. 147 | Laloy, 1910 : 207 | Schmidt, 1913 : 12, fig. 5–9, pl. 2 (fig. 1–4) | Bertin, 1926 : 332, tab. 6 | Fish, 1927 : 307 | Bruun, 1937 : 9–29, pl. 1 | Bertin, 1939 : 388 | Nybelin, 1948 : 54 | Castle, 1964 : 40 | Mead *et al.*, 1964 : 576 | Castle, 1969 : 26.
 Otoliths (sagitta). No data.
 Habitat, distribution and abundance. Benthic on the continental slope (400–800 m) but caught in deep abyssal waters, 2500 m. Cosmopolite but no record in Mediterranean (according to Grey, 1956, from ca 62° N., 19° W. to ca 5° S., 11° E. in eastern Atlantic). Very common.
 Common names. None.
- 87.2 **HISTIOBRANCHUS** Gill, 1883 Gender: M
Proc. U.S. natn. Mus., 6 : 255 (type: *H. infernalis* Gill, 1883, by monotypy).
- 87.2.1 *Histiobranchus bathybius* (Günther, 1877)
Synphobranchus bathybius Günther, 1877, *Ann. Mag. nat. Hist.*, (4) 20 : 445 ('Pacific, ca 36° N., 178° E., 3749 m'). Type: BMNH no. 1900.7.19.2.
Histiobranchus infernalis Gill, 1883, *Proc. U.S. natn. Mus.*, 6 : 255 (Atlantic, off U.S. coast, 38° N., 69° W.). Type: USNM no. 3279.
Histiobranchus infernalis: Goode & Bean, 1896 : 145, fig. 165 | Zugmayer, 1933 : 85.
Histiobranchus bathybius: Lütken, 1898 : 7 | Koefoed, 1927 : 60 | Castle, 1964 : 33.
Synphobranchus australis Regan, 1913, *Trans. R. Soc. Edinb.*, 49 : 235, pl. 8 (fig. 5) ('South Indian Ocean and South Atlantic'). Syntypes: BMNH no. 1887.12.7.255.

Synaphobranchus infernalis: Bruun, 1936 : 1; 1937 : 5, fig. 1 | Norman & Trewavas, 1939 : 358.

Synaphobranchus bathybius: Bruun, 1937 : 7, fig. 2 | Norman & Trewavas, 1939 : 358.

Eggs, larvae and young stages. Lea, 1913 : 15, fig. 10, pl. 2 (no. 5) | Fish, 1927 : 308 | Bruun, 1937 : 11, fig. 3, 10–14, 17, tab. 6–7 | Bertin, 1939 : 388 | Castle, 1964 : 40; 1969 : 22.

Otoliths (sagitta). Frost, 1926 : 103.

Habitat, distribution and abundance. Benthic on the continental slope and deep abyssal waters, 3000 m and more. Cosmopolite. Not very common.

Common names. None.

87.3

***ILIOPHIS* Gilbert, 1892**

Gender: M

Proc. U.S. natn. Mus., 14 : 351 (type: *I. brunneus* Gilbert, 1891, by monotypy, 'Pacific, near Galapagos').

87.3.1

***Iliophis brunneus* Gilbert, 1892**

Iliophis brunneus Gilbert, 1892, *Proc. U.S. natn. Mus.*, 14 : 351 ('Pacific, near Galapagos, ca 0° 36' S., 89° W., 1159 m'). Holotype: USNM no. 44.403.

Iliophis brunneus: Gilbert, in Jordan & Davis, 1892 : 671 | Koefoed, 1927 : 61.

Complementary iconography. Goode & Bean, 1896 : 141, fig. 162.

Eggs, larvae and young stages. No data.

Otoliths (sagitta). No data.

Habitat, distribution and abundance. Benthic in deep-abyssal waters to 2668 m.

Cosmopolite. One record near the area: ca 34° N., 33° W., 2615 m. Rare.

Common names. None.