

ASCIDICOLIDAE - CYCLOPOIDA

BOTRYLLOPHILINAE ILLG + DUDLEY, 1980

- OISHI + ILLG 1989: 465

- GOTTO 1993: 68-, DIAGNOSIS

CYCLOPOIDA

BOTRYLLOPHILIDAE

- Ho 1986b: 177, = SUBFAM. OF ASCIDICOLIDAE

(12)

Botryllophilus,  
Hesse, 1864 -

Notodelphyoidea  
Ascidioleadae.

B. ruber ♂,

Syn. Botryllophilus Hesse, 1864, p. 345.

Botryllophilus Sars, 1921, p. 67.


Botryllophilus Schellenberg, 1921<sup>b</sup>, p. 281.

Ceratrichodes Hesse, 1866<sup>c</sup>, p. 75.

Botryllus = a sponge genus + φίλος = loving.

Kosmechthurus Della Valle, 1883.

Schizoproctus Aurivillius, 1885.

Body completely segmented, bent & gibbous dorsally  
in thorax. cylindrical & recurved ventrally in abdo-  
men = eggs laid externally, not in incubation cham-  
ber: 1<sup>o</sup> ant. short, enlarged proximally, 5-7 joints; 2<sup>o</sup>  
ant. 3-joints, median one short, terminal one  
armed with long spines; mds. biramous, with  
masticatory coxopod; 2-jointed endopod, exopod  
simple & reduced: 10 mx. short & massive,  
with masticatory coxopod & terminal vibratile  
portion - 2<sup>o</sup> mx. exopod 1-jointed, endopod 3-  
jointed, with stout terminal claw.  
4 first thorax legs biramous, short = rami  
2-jointed; 5<sup>o</sup> pair simple, not jointed, and at-  
tached to "sides" dorsal face - 5<sup>o</sup> thorax segt.  
anal laminae short  diverging -

Ascidicolidae: cyclopoida

BOTRYLLOPHILUS HESSE

(2)

- OISHI + ILLG 1986: 392, 395, 398

- ILLG + DUDLEY 1980: 6, 9-14, 31, 47, 136-150,

DIAGNOSIS, KEY + LIST OF SPECIES; TYPE-SPECIES

B. RUBER; 160-161

-- OISHI & ILLG 1988: 561-566, MORPHOTYPES;

FIGS. 1, 2

-- OISHI + ILLG 1989: 463-; DEFINED "TYPEA"

FEMALES

-- GOTTO 1993: 68-, DIAGNOSIS, KEY

Botryllophilus abbotti Ooishi & Illg 1989

-- Ooishi & Illg 1989:447-466, figs. 1-9, n. sp. ♀♂,  
host ascidian Archidistoma sp., Monterey Peninsula,  
California

- - Ooishi 1991: 52 -

Ascidicolidae - Notodelphyoidea.

Botryllophilus africanus Schellenberg, ♀

— — Schellenberg, 1921<sup>b</sup>, p. 284: text-figs. 3-4

-- ILLG & DUDLEY 1980: 148, INDETERMINABLE SPECIES;

B. RUBER OF LANG 1948 A PARTIAL SYNONYM

-- OOSHII & ILLG 1988: 561-

Host. Macroclinum angolatum

Angola.

Ascidicolidae - Notodelphyoidea.

Botryllophilus armatus Hesse, ♀.

— — Hesse, 1870, p. 293.

-- ILLG + DUDLEY 1980: 148, INDETERMINABLE SPECIES.

Habitat. Botryllus, sp.

French Coast.



Botryllophilus aspinosus Schellenberg, ♀.

— — Schellenberg, 1921<sup>b</sup>, p. 283: text-figs. 1-2.

— — ILLG + DUDLEY 1980: 147, SYN. B. RUBER OF LANG,  
1948 (PART.).

-- OoISHI + ILLG 1988: 565-

-- OoISHI 1991: 64-

Host Polycarpa pomaria: Styela hupferi:

England.

BOTRYLLOPHILUS BANFIELDENSIS Ooishi, 2000

-- Ooishi, 2000: 571-587, Figs. 1-10, CANADIAN  
PACIFIC, N. SP; EX EUDISTOMA PURPUROPUNCTATUM.

Botryllophilidae - Notodelphyoidea

Botryllophilus banyulensis Brément, ♀.

— — Brément, 1909, p. 72: figs. 9-11.

— — Schellenberg, 1921, p. 282 (key).

-- ILLG + DUDLEY 1980: 144-146; B. RUBER OF LANG  
1948 A PARTIAL SYNONYM.

-- OOIISHI & ILLG 1988: 565 -

Host.

-- OOIISHI & ILLG 1989: 464-, IN "TYPEA"

-- OOIISHI 1991: 64-

Botryllophilus bergensis Schellenberg, ♀.

— — Schellenberg, 1921<sup>a</sup>, p. 9: text-figs. 8-9.

-- ILLG & DUDLEY 1980: 146; B. RUBER OF LANG 1948

A PARTIAL SYNONYM; POSSIBLE SYN. OF B. BREVIPES SARS

-- OISHI & ILLG 1988: 565 -

-- OISHI & ILLG 1989: 464-, "TYPE A"

Host, Leptoclinides faeröensis.

Norway.

Botryllophilidae - Notodelphyoidea

Botryllophilus brevipes Brément, ♀

— — Brément, 1909, p. 70: figs. 6-8-11.

— — Schellenberg, 1921, p. 282 (Key).

-- ILLG + DUDLEY 1980: 144, 146; B. RUBER OF LANG 1948

A SYNONYM (PART.)

-- OOSHIMA + ILLG 1988: 565-

Host.

Botryllophilidae - Notodelphyoidea  
Botryllophilus brevipes G. O. Sars. ♀

— — Sars, 1921, p. 68: pl. 32.

— — Wilson, 1932, p. 392: fig. 241, MASSACHUSETTS

-- ILLG + DUDLEY 1980: 143, 144-146, NOT = B. RUBER.

-- OoISHI + ILLG 1988: 561-

-- OoISHI + ILLG 1989: 464; "TYPE A"

Habitat. Norway Coast.

-- OoISHI 1991: 64-

-- GOTTO 1993: 70-

FIG. 14I-M

Ascidicolidae - Notodelphyoidea  
Botryllophilus brevis Hesse, ♀.

— — Hesse, 1870, p. 295.

-- ILLG + DUDLEY 1980: 148, INDETERMINABLE SPECIES.

Habitat. Botryllus, sp.

French Coast.

BOTRYLLOPHILUS CANOPUS

-- ILLG + DUDLEY 1980:145, ? SYN. OF B. MACROPUS



Ascidicolidae - Notodelphyoidae

Botryllophilus constellatus Hesse, ♀.

— Hesse, 1866, p.

Habitat. Botryllus, sp.

Botryllophilidae - Notodelphyoidea  
Botryllophilus inaequipes Hansen ♀

— — Hansen - 1923, p. 25: pl. 3, figs. 2, a-f.

-- ILLG & DUDLEY 1980: 147; PARTIAL SYN. B. RUBER  
LANG, 1948

-- OOISHI & ILLG 1988: 565-

-- OOISHI & ILLG 1989: 464-, "TYPE A"

Habitat. Davis Strait

-- OOISHI 1991: 64-

-- C.B. WILSON 1936: 375, FOX CHANNEL, CANADIAN ARCTIC

*Botryllophilus indicus* Sewell, 1949

1949---Sewell, R.B. Seymour, pp. 146-148, text-fig.  
41, A-G.

-- ILLG & DUDLEY 1980:149, INDETERMINABLE SPECIES.

-- OOSHIMA & ILLG 1988:561-

BOTRYLLOPHILUS INFLATUS

-- ILLG + DUDLEY 1980: 150, = SCHIZOPROCTUS -.

Botryllophilidae - Notodelphyoidea

Botryllophilus macropus Canu, ♀

— — Canu, 1892, p. 206; pl. 16, figs. 1-14.

— — Schellenberg, 1921, p. 283 (Key).

-- ILLG & DUDLEY 1980: 142, 145; SYNONYMY; 144

-- OOSHII & ILLG 1988: 565-

-- OOSHII 1991: 64-

Host.

-- GOTTO 1993: 71-, FIGS. 14E-H

Botryllophilus norvegicus Schellenberg, ♀. ①

— — Schellenberg, 1921<sup>a</sup>, p. 6: text-figs. 5-7.

BLAKEANUS CORNIGER, WILSON 1921: 11-13, pl. 5, FIGS. 39-43, N.SP.

♀; HOST CYNTHIA CARNEA

BLAKEANUS CORNIGER, WILSON 1932: 1391, FIG. 240

Host. Pelonaia corrugata.

Norway.

BOTRYLLOPHILUS NORVEGICUS SCHELLENBERG

CARD 2

--, ILLG + DUDLEY 1980:146, SYNONYMS BLAKEANUS

CORNIGER WILSON AND B. GROENLANDICUS HANSEN

BLAKEANUS GROENLANDICUS, HANSEN 1923:24-25, pl. II,

FIGS. 8a-d, pl. III, FIGS. 1a-h; N. SP.; HOST CYNTHIA

RUSTICA, GREENLAND.

-- OOISHI + ILLG 1988:565-

-- OOISHI + ILLG 1989:464, "TYPE A"

BLAKEANUS GROENLANDICUS, PRÉFONTAINE + BRUNEL

1962:253, ST. LAWRENCE, HOSTS POLYCARPA FIBROSA

+ STYELA MOLLIS.

Botryllophilus norvegicus Schellenberg

card 3

-- Dudley & Illg 1991:11-, Figs. 5B, 27, 37, 40; review records; ALASKA (PT. BARROW, BRISTOL BAY), MASS.



BOTRYLLOPHILUS NOTOPUS (DELLA VALLE 1883)

KOSSMECHTRUS -, DELLA VALLE 1883: 248 -, PL. N. N.

FIGS. 11-23, N. SP.; HOST DISTOMA PAUCERII, MEDITERRANEAN

--, ILLG + DUDLEY 1980: 137; KOSSMECHTRUS DELLA

VALLE INVALID; 141, 148, SYNONYMY; INDETERMINABLE SP.;

144

Ascidicolidae - Notodelphyoidea.

Botryllophilus pallidus Hesse, ♀.

— — Hesse, 1865, p. 224: (no figs)

— — ILLG + DUDLEY 1980: 148, INDETERMINABLE SPECIES.

Habitat. Botryllus, sp.

French Coast.

Notodelphyoida.  
Botryllophilus propinquus Hesse, ♀,

— Hesse, 1871, p. 25: no figs.

-- ILLG + DUDLEY 1980: 148, INDETERMINABLE SPECIES.

Host. A compound ascidian fixed to a  
valve of Tecten maximus.

French Coast.

Ascidicolidae - Notodelphyoidea.  
Botryllophilus purpurescens Hesse, ♀.

— — Hesse, 1870, p. 294. no figs.

-- ILLG & DUDLEY 1980: 148, INDETERMINABLE SPECIES

Habitat. Botryllus, sp.

French Coast.

BOTRYLLOPHILUS RANDALLI STOCK, 1970

-- ILLG + DUDLEY 1980: 147

-- OOIISHI + ILLG 1988: 565 -

-- OOIISHI 1991: 64 -

Ascidicolidae - Notodelphyoidea.

Botryllophilus ruber Hesse, ♀. ♂. ①

— — Hesse, 1864, p. 345: pl. 12, f. 1-12.

— — Thompson & Scott, 1903, p. 255.

— — T. Scott, 1901, p. 242; pl. 17, figs. 15-27. ♂.

-- --, Bresciani et Lutzen 1962. pp. 374-376 fig. 2

--, Gotto, 1966, p. 193

--, Hamond, 1970, p. 350

Host. Sponges: Botryllus stellatus.

-- Ooishi + ILLG 1986: 395, 398

Indian Ocean.

BOTRYLLOPHILUS RUBER HESSE

CARD 2

--, ILLG + DUDLEY 1980: 137, 142-145; SYNONYMY; TYPE

OF BOTRYLLOPHILUS.

-- OOISHI & ILLG 1988: 561-

-- OOISHI 1991: 64-

Ascidicolidae - Notodelphyoidea.

Botryllophilus virescens Hesse, ♀.

— Hesse, 1864, p. 347 (no. figs.).

— Hesse, 1865, p. 223 (no figs)

-- ILLG + DUDLEY 1980: 147-148, SYNONYMY;

INDETERMINABLE SPECIES.

Habitat. Botryllus, sp

French Coast.



Notodelphyoidea

Botryllophilus viridis Hesse, ♀.

— Hesse, 1866, c, p. 79: pl. 4, f. E, 1-7.

-- ILLG & DUDLEY 1980: 148, POSSIBLE SYNONYM OF

B. VIRESCENS HESSE

Host, Botryllus (mollusk) sp.

French Coast.

BOTRYLLOPHILUS SP. BRÉMENT, 1909

-- ILLG + DUDLEY 1980:149, INDETERMINABLE SPECIES

BOTRYLLLOPHILUS SP. DUDLEY, 1966

-- ILLG + DUDLEY 1980: 149, INDETERMINABLE SPECIES

-- OOI5H14 ILLG 1988: 561-

Botryllophilus sp. Dudley & Illg, 1991

-- Dudley & Illg, 1991:11-, Figs. 5C,,26,29,38,39,41;

host Aplidium glabrum, Cape Cod, Mass., Maine

BOTRYLLOPHILUS SP. OOISHI + ILLG 1986

-- OOISHI + ILLG 1986b: 392-398, FIGS. 3, 4,

AGO BAY, JAPAN; HOST AMAROUCEIUM SAGAMIENSE

-- OOISHI 1987: 95

BOTRYLLOPHILUS SP. SARS, 1921

--, ILLG + DUDLEY 1980:149, INDETERMINABLE SPECIES

BOTRYLLOPHILUS SP. SCHELLENBERG, 1922

(FROM POLYCITOR RENIERI)

--, ILLG & DUDLEY 1980:149, INDETERMINABLE SPECIES

BOTRYLLOPHILUS SP. SCHELLENBERG, 1922

(FROM —?)

--, ILLG + DUDLEY 1980:149, SYNS. B. MACROPUS OF  
CANU, 1892 + B. RUBER OF LANG, 1948; INDETERMINABLE  
SPECIES.



BOTRYLLOPHILUS SP. STOCK, 1970

--, ILLG + DUDLEY 1980:149, INDETERMINABLE SPECIES.

-- OISHI + ILLG 1988:561-