

1. *Golfingia anderssoni* (Théel, 1911)
2. *Golfingia birsteini* Murina, 1973
3. *Golfingia capensis* (Teuscher, 1874)
4. *Golfingia elongata* (Keferstein, 1863)
5. *Golfingia iniqua* (Sluiter, 1912)
6. *Golfingia margaritacea margaritacea* (Sars, 1851)
7. *Golfingia margaritacea ohlini* (Théel, 1911)
8. *Golfingia mirabilis* Murina, 1969
9. *Golfingia muricaudata* (Southern, 1913)
10. *Golfingia pectinatoides* Cutler et Cutler, 1979
11. *Golfingia vulgaris herdmani* (Shipley, 1903)
12. *Golfingia vulgaris vulgaris* (de Blainville, 1827)

种检索表

- 1 (2) 吻部无钩 珠光戈芬星虫 *G. margaritacea margaritacea*
- 2 (1) 吻部具钩
- 3 (4) 无明显的皮肤乳突；吻部远端生有钩环 长戈芬星虫 *G. elongata*
- 4 (3) 体两端生有明显的皮肤乳突；吻钩分散生长，不形成钩环.....
..... 普通戈芬星虫 *G. vulgaris vulgaris*

(22) 珠光戈芬星虫 *Golfingia margaritacea margaritacea* (Sars, 1851) (图 50、图 51)

Sipunculus margaritaceus Sars, 1851: 196.

Phascolosoma hansenii Danielssen et Koren, 1881: 9.

Phascolosoma antarcticum Michaelsen, 1889: 74.

Phascolosoma profundum Roule, 1898: 385.

Phascolosoma japonicum Ikeda, 1904: 5; Chin, 1947: 100.

Phascolosoma okinoseanum Ikeda, 1904: 9.

Phascolosoma trybomi Théel, 1905: 69.

Phascolosoma nordenskjoldi Théel, 1911: 30.

Phascolosoma glossipapillosum Sato, 1934a: 10.

Phascolosoma noto Sato, 1934a: 14.

Phascolosoma signum Sato, 1934a: 16.

Phascolosoma soyo Sato, 1934a: 17.

Golfingia margaritacea adelaidensis Edmonds, 1956: 302; 1980: 21.

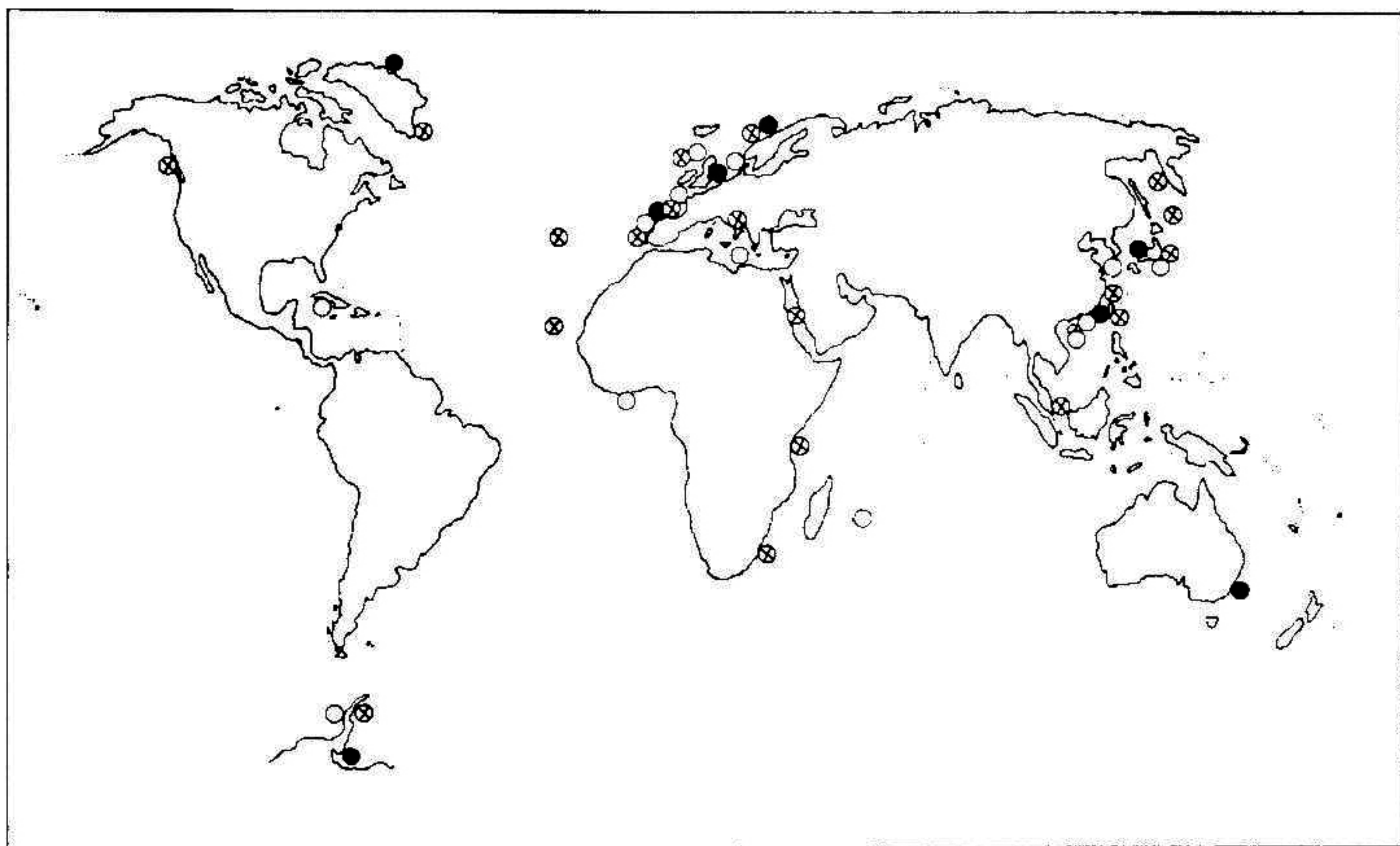


图 50 戈芬星虫属 *Golfingia* Lankester 中 3 个种的地理分布示意图

Fig. 50 Schematic distribution of the 3 species in *Golfingia* Lankester

珠光戈芬星虫 *Golfingia margaritacea margaritacea* (Sars) ●

长戈芬星虫 *Golfingia elongata* (Kerferstem) ○

普通戈芬星虫 *Golfingia vulgaris vulgaris* (de Blainville) ⊗

Golfingia margaritacea: Murina, 1971b: 12; 1977: 230; Stephen and Edmonds, 1972: 97; Gibbs, 1977: 12; Cutler and Murina, 1977: 176; Cutler, Cutler and Nishikawa, 1984: 263; Saiz-Salinas, 1984a: 180.

Golfingia margaritacea margaritacea: Cutler and Cutler, 1987: 743; Li, Zhou and Wang, 1992b: 78; Zhou, Wang and Li, 1993: 48.

模式标本产地 澳大利亚。

标本采集记录 福建 (Chin, 1947)。编著者无此种标本。

形态特征 体圆筒状，后端逐渐尖细，呈圆锥形。体长 20—50mm，深水标本体大，长达 100—300mm。吻部约为体长的 2/3，无钩无棘，顶端有触手围绕口部和项器。触手扁平，由口盘边缘呈放射状纵行排列，大型个体触手数可多达 100 个。体表面光滑，有珍珠光泽，吻部和躯干部均密布细小的皮肤乳突。

纵肌层连续，不分离成束。2 对收吻肌：腹对始自体中部神经索的两侧；背对较短，始自肛门稍后方的体壁上。纺锤肌始自近肛门处。肠螺旋盘卷紧密，17—23 转。普利氏管简单，无细管。直肠盲囊明显，囊状。固肠肌 3 条，分别始自食道后部和肠螺

旋的前部,另一端附着于背腹收吻肌之间。1对肾管,游离悬挂,肾孔位于肛门的稍前方。脑神经节有1对明显的眼点(图文引自 Gibbs, 1977)。

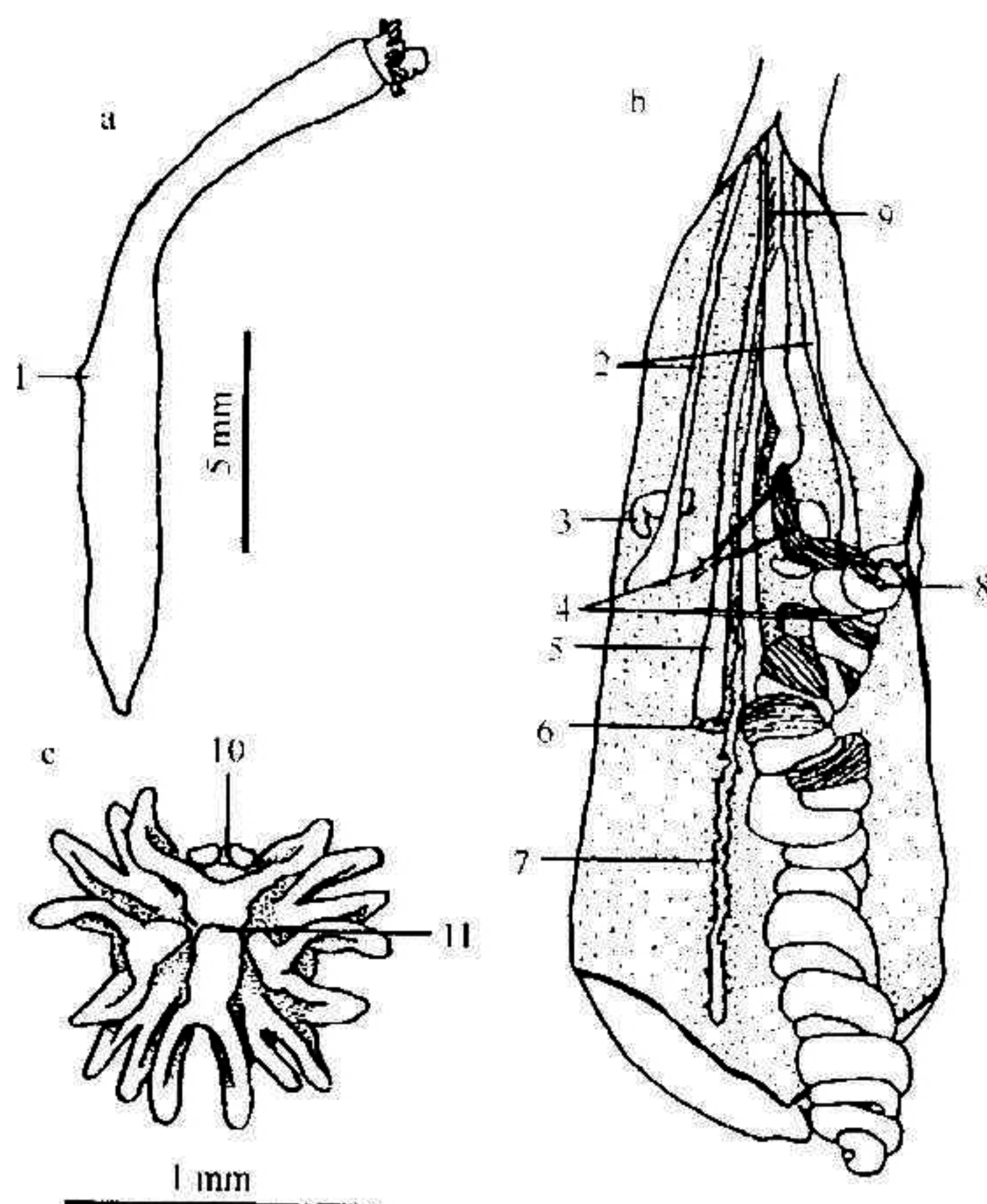


图 51 珠光戈芬星虫 *Golfinia margaritacea margaritacea* (Sars) (仿 Gibbs, 1977)

Fig. 51 *Golfinia margaritacea margaritacea* (Sars) (after Gibbs, 1977)

a. 整体观; b. 内部解剖; c. 口盘前面观。1. 肛门; 2. 背收吻肌; 3. 肾管; 4. 固肠肌;
5. 腹收吻肌; 6. 生殖腺; 7. 腹神经索; 8. 直肠盲囊; 9. 普利氏管; 10. 项器; 11. 口

生境 穴居泥或砂石底质,由潮间带至水深 5285 m 的深海。

地理分布 广布种。大西洋和太平洋,两极海域。福建沿海; 日本海,挪威,北海,英格兰,葡萄牙,澳大利亚。

(23) 长戈芬星虫 *Golfinia elongata* (Keferstein, 1863) (图 50、图 52)

Phascolosoma elongatum Keferstein, 1863; 39.

Phascolosoma cylindratum Keferstein, 1865b; 428; Selenka, De Man and Bulow, 1883; 25;
Gerould, 1913; 382; Leroy, 1936; 425.

Phascolosoma charcoti Hérubel, 1906a; 127; 1906b; 651.

Phascolosoma derjugini Gadd, 1911; 82.

Golfinia elongata; Murina, 1964; 259; Stephen and Edmonds, 1972; 90; Cutler, 1973; 134;
Gibbs, 1977; 10; Cutler, Cutler and Nishikawa, 1984; 262; Saiz-Salinas, 1984a; 180; Cutler
and Cutler, 1987; 751; Li, Zhou and Wang, 1992b; 78; Zhou, Wang and Li, 1993; 47; Pagola