**Supplementary material (S2)**

List of material examined of each species. Shells in good conditions were selected in the lots cited below.

Institutional abbreviations: Museum of Comparative Zoology, Harvard University, Massachusetts, United States of America (MCZ); Coleção Malacológica ′Prof. Henry Ramos Matthews′, Universidade Federal do Ceará, Ceará, Brazil (CMPHRM); Instituto de Biologia, Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil (IBUFRJ); Museo de Historia Natural Marina de Colombia, Invertebrados, Mollusca, Magdalena, Colombia (MHNMC INV MOL); Museu Nacional, Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil (MNRJ); Museu Oceanográfico ′Prof. Eliézer de Carvalho Rios′, Universidade Federal do Rio Grande, Rio Grande do Sul, Brazil (MORG); Museu de Zoologia, Universidade de São Paulo, São Paulo, Brazil (MZSP); Universidade do Esta.do do Rio de Janeiro, Rio de Janeiro, Brazil (UERJ); Smithsonian National Museum of Natural History, Washington DC, United States of America (USNM).

Other abbreviations: Research Vessel (R/V); spm or spm (spm); Supply boat (S/B)

**Order Dentaliida da Costa., 1776**

**Family Dentaliidae** **Children, 1834**

**Genus *Paradentalium*** **Cotton & Godfrey, 1933**

***Paradentalium disparile* (d′Orbigny, 1853)**

[40 specimens measured]

**Material examined:** BRAZIL ― **Alagoas state:** IBUFRJ 5783, 10 spm, Macéio, 24.viii.1989; IBUFRJ 5740, 25 spm, Macéio, 27.vi.1990; **Bahia state:** IBUFRJ 10380, 2 spm, REVIZEE Central sta. C5 (15°34′00″S, 38°51′00″W, 50 m), 25.x.1997, S/B Astro Garoupa; IBUFRJ 10171, 1 spm, REVIZEE Central sta. C67 (17°58′02″S, 38°41′45″W, 12 m), 26.iv.1996, S/B Astro Garoupa; **Espírito Santo state:** IBUFRJ 3220, 5 spm, Santa Cruz, vii.1970; IBUFRJ 8243, 6 spm, off Espírito Santo, 1993, Vera Abud; IBUFRJ 7744, 19 spm, REVIZEE Central sta. D30 (19°42′00″S, 39°48′00″W, 24 m), 28.ii.1996, S/B Astro Garoupa; IBUFRJ 8060, 7 spm, REVIZEE Central sta. AV27 (19°44′00″S, 39°50′00″W, 23 m), 27.ii.1996, S/B Astro Garoupa; IBUFRJ 8068, 3 spm, REVIZEE Central sta. VV29 (19°43′00″S, 39°48′00″W, 24 m), 27.ii.1996, S/B Astro Garoupa; IBUFRJ 8079, 82 spm, REVIZEE Central sta. AV28 (19°44′00″S, 39°50′00″W, 24 m), 27.ii.1996, S/B Astro Garoupa; IBUFRJ 9091, 10 spm, REVIZEE Central sta. C66 (18°20′48″S, 38°55′58″W, 41 m), 26.iv.1996, S/B Astro Garoupa; IBUFRJ 14300, 1 spm, REVIZEE Central sta. VV31 (18°52′00″S, 39°35′00″W, 23 m), 28.ii.1996, S/B Astro Garoupa; IBUFRJ 14299, 6 spm, REVIZEE Central sta. C65 (18°53′17″S, 39°06′23″W, 50 m), 25.iv.1996, S/B Astro Garoupa; IBUFRJ 10484, 5 spm, REVIZEE Central sta. VV24 (20°00′00″S, 39°54′00″W, 45 m), 27.ii.1996, S/B Astro Garoupa; **Rio de Janeiro state:** IBUFRJ 1400, 41 spm, Furnas sta. 3A, 14.vi.1980; IBUFRJ 3106, 13 spm, off Macaé, PITA sta. 22, 09.ix.1992, S/B Astro Garoupa.

***Paradentalium gouldii* (Dall, 1889)**

[18 specimens measured]

**Material examined:** BRAZIL ― **Bahia state:** IBUFRJ 10796, 4 spm, REVIZEE Central sta. C76 (15°53′49″S, 38°31′05″W, 66 m), 30.iv.1996, R/V Antares; IBUFRJ 14298, 2 spm, REVIZEE Central sta. C13 (16°48′17″S, 38°40′38″W, 260 m), 26.vi.2002, S/B Astro Garoupa; **Espírito Santo state:** IBUFRJ 14297, 1 spm, REVIZEE Central sta. A3 (18°58′53″S, 37°51′06″W, 247 m), 19.vi.2002, S/B Astro Garoupa; **São Paulo state:** MORG 22822, 7 spm, Ilha de Santo Amaro, v.1971, J. Vaz; **Santa Catarina state:** MORG 5235, 2 spm, Armação, 04.x.1952, F. Lange-de-Morretes; MORG 6647, 4 spm, Müller beach, 08.vi.1958, E. Tremel; MORG 23729, 25 spm, Porto Belo, i.1986.

***Paradentalium infractum* (Odhner, 1931)**

[30 specimens measured]

**Material examined:** BRAZIL ⎯ **Amapá state:** IBUFRJ 8421, 2 spm, GEOMAR XII sta. 133 (04°18′00″N, 50°17′30″W), 27.ix.1979, R/V Almirante Câmara; **Bahia state:** IBUFRJ 14244, 2 spm, REVIZEE Central sta. R3-2 (15°48′57″S, 38°35′55″W, 269 m), 21.vi.2002, S/B Astro Garoupa; **Espírito Santo state:** IBUFRJ 1818, 1 spm, Off Espírito Santo, sta. 6420, 16.viii.1984, R/V Almirante Saldanha; IBUFRJ 3215, 18 spm, GEOMAR X sta. 32, Off Espírito Santo, 1978, R/V Almirante Câmara; IBUFRJ 14240, 41 spm, REVIZEE Central sta. Y5 (19°45′00″S, 38°31′38″W, 67 m), 15.vi.2002, S/B Astro Garoupa; IBUFRJ 14241, 11 spm, REVIZEE Central sta. C27 (19°45′36″S, 39°31′36″W, 60 m), 31.10.1997, S/B Astro Garoupa; IBUFRJ 14242, 2 spm, REVIZEE Central sta. 27 (19°45′21″S, 39°31′03″W, 60 m), 28.vi.2001, S/B Astro Garoupa; IBUFRJ 14243, 12 spm, REVIZEE Central sta. R2-1 (19°45′36″S, 39°31′05″W, 92 m), 15.vi.2002, S/B Astro Garoupa; **Rio de Janeiro state:** IBUFRJ 3939, 1 spm, Off Saquarema, GEORIO II sta. D3, 25.iii.1986; IBUFRJ 2465, 24 spm, Cabo Frio VII sta. 6198 (23°32′00″S, 44°15′00″W, 65 m), 02.iv.1983, R/V Almirante Saldanha; IBUFRJ 3105, 22 spm, PITA sta. 12 (22°24′30″S, 41°33′30″W, 38 m), 02.v.1993, S/B Astro Garoupa.

**Genus *Antalis* H. Adams & A. Adams, 1854**

***Antalis cerata* (Dall, 1881)**

[24 specimens measured]

**Material examined:** BRAZIL ⎯ **Bahia state:** IBUFRJ 14276, 1 spm, REVIZEE Central sta. C13 (16°48′17″S, 38°40′38″W, 260 m), 26.vi.2002, S/B Astro Garoupa; IBUFRJ 14279, 2 spm, REVIZEE Central sta. 504 (14°28′54″S, 38°54′01″W, 278 m), 02.vii.2001, S/B Astro Garoupa; **Espírito Santo state:** IBUFRJ 14253, 28 spm, REVIZEE Central sta. A3 (18°58′53″S, 37°51′06″W, 247 m), 19.vi.2002, S/B Astro Garoupa; IBUFRJ 14259, 1 spm, REVIZEE Central sta. C18 (18°39′48″S, 37°52′15″W, 525 m), 22.xi.1997, S/B Astro Garoupa; IBUFRJ 14278, 2 spm, REVIZEE Central sta. VV24 (20°00′00″S, 39°54′00″W, 45 m), 27.ii.1996, R/V Antares; **Rio de Janeiro state**: IBUFRJ 651, 10 spm, GEORIO I sta. 48, 1979, R/V Almirante Câmara; IBUFRJ 10993, 1 spm, REVIZEE Central sta. C38 (22°03′40″S, 40°00′39″W, 450 m), 04.xi.1997, S/B Astro Garoupa.

***Antalis circumcincta* (Watson, 1879)**

[26 specimens measured]

**Material examined:** BRAZIL ⎯ **Bahia state:** IBUFRJ 8083, 15 spm, REVIZEE Central sta. 517 (13°22′13″S, 38°36′41″W, 750 m), 02.vii.2001, S/B Astro Garoupa; IBUFRJ 14304, 1 spm, REVIZEE Central sta. 509 (15°46′51″S, 38°23′58″W, 2076 m), 01.vii.2001, S/B Astro Garoupa; **Espírito Santo state:** IBUFRJ 10912, 1 spm, REVIZEE Central sta. C21f (20°40′27″S, 35°28′38′W, 520 m), 08.xi.1997, S/B Astro Garoupa; IBUFRJ 10925, 19 spm, REVIZEE Central sta. C35 (20°57′17″S, 40°07′58″W, 500 m), 03.xi.1997, S/B Astro Garoupa; IBUFRJ 14301, 6 spm, REVIZEE Central sta. 41 (20°30′07″S, 29°17′23″W, 360 m), 10.vii.2001, S/B Astro Garoupa; IBUFRJ 14302, 6 spm, REVIZEE Central sta. A3 (18°58′53″S, 37°51′06″W, 247 m), 19.vi.2002, S/B Astro Garoupa; IBUFRJ 14303, 1 spm, REVIZEE Central sta. R2-3 (19°46′29″S, 39°29′46″W, 604 m), 15.vi.2002, S/B Astro Garoupa; IBUFRJ 14305, 1 spm, REVIZEE Central sta. 538 (20°27′04″S, 39°38′04″W, 1680 m), 15.vii.2001, S/B Astro Garoupa.

***Antalis taphria* (Dall, 1889)**

[22 specimens measured]

**Material examined:** BRAZIL ― **Ceará state:** IBUFRJ 552, 2 spm, sta. 1682 (03°28′00″S, 35°06′00″W), 61 m, 17.x.1967, R/V Almirante Saldanha; **Bahia state:** IBUFRJ 14258, 3 shells, REVIZEE Central sta. C76 (15°53′49″S, 38°31′05″W, 66 m), 30.iv.1996, R/V Antares; IBUFRJ 14260, 1 spm, REVIZEE Central sta. C13 (16°48′17″S, 38°40′38″W, 260 m), 26.vi.2002, S/B Astro Garoupa; IBUFRJ 14261, 1 spm, REVIZEE Central sta. 13 (16°47′08″S, 38°41′08″W, 50 m), 30.vi.2001, S/B Astro Garoupa; **Espírito Santo state**: IBUFRJ 10576, 1 spm, REVIZEE Central sta. C22f (20°36′15″S, 35°51′35″W, 110 m), 08.xi.1997, S/B Astro Garoupa; IBUFRJ 10705, 4 spm, REVIZEE Central sta. C36r (20°57′17″S, 40°07′58″W, 52 m), 04.xi.1997, S/B Astro Garoupa; IBUFRJ 14254, 12 spm, REVIZEE Central sta. 34 (20°24′04″S, 39°55′20″W, 50 m), 15.vii.2001, S/B Astro Garoupa; IBUFRJ 14255, 4 spm, REVIZEE Central sta. 45 (20°40′42″S, 34°35′02″W, 108 m), 12.vii.2001, S/B Astro Garoupa; IBUFRJ 14256, 2 spm, REVIZEE Central sta. Y7 (20°50′55″S, 40°10′02″W), 15.vi.2002, 75 m, S/B Astro Garoupa; IBUFRJ 14257, 39 spm, REVIZEE Central sta. 42 (20°44′16″S, 31°49′40″W, 85 m), 11.vii.2001, S/B Astro Garoupa; **Rio de Janeiro state:** IBUFRJ 7123, 24 spm, Cabo Frio VII sta. 6153 (23°03′00″S, 41°57′00″W, 100 m), 26.iii.1983, R/V Almirante Saldanha.

**Genus *Graptacme* Pilsbry & Sharp, 1897**

***Graptacme calamus* (Dall, 1889)**

[26 specimens measured]

**Material examined:** BRAZIL ― **Espírito Santo state:** IBUFRJ 5579, 1 spm, Off Espírito Santo, iv.1993; IBUFRJ 8232, 14 spm, Off Espírito Santo, 1993, V. Abud; **Rio de Janeiro state:** IBUFRJ 8213, 19 spm, Cabiúnas, 21.iv.1993; IBUFRJ 7096, 1 spm, Cabo Frio VII sta. 6190 (23°05′00″S, 43°43′00″W, 34 m), 01.iv.1983, R/V Almirante Saldanha; IBUFRJ 3113, 18 spm, Off Macaé, PITA sta. 30, 13.vi.1992, S/B Astro Garoupa; IBUFRJ 3218, 1 spm, Off Cabo de São Tomé, GEOMAR X sta. 11, 1978, R/V Almirante Câmara; IBUFRJ 14231, 10 spm, REVIZEE Central sta. vv16 (21°10′00″S, 40°27′00″W, 28 m), 26.ii.1996, R/V Antares; IBUFRJ 14232, 5 spm, REVIZEE Central sta. 51 (21°40′00″S, 40°30′00″W, 25 m), 21.vii.2001, S/B Astro Garoupa.

***Graptacme eborea* (Conrad, 1846)**

[Nine specimens measured]

**Material examined:** BRAZIL ― **Maranhão state:** IBUFRJ 553, 1 spm, (03°50′00″S, 32°24′00″W), iv.1972, R/V Almirante Saldanha; MZSP 25724, 2 spm, sta. 1806 (00°32′00″S, 45°00′00″W, 51 m), R/V Almirante Saldanha; MZSP 18736, 1 spm, sta. 1667 (03°50′00″S, 32°24′00″W, 26 m), R/V Almirante Saldanha; **Fernando de Noronha Archipelago:** MZSP 31311, 3 spm, Morro de Fora (6–9 m), 18.vii.1999, P.J.S. Souza Jr.; **Espírito Santo state**: IBUFRJ 8239, 2 spm, Off Espírito Santo, 1993, V. Abud; **Rio de Janeiro state:** IBUFRJ 6367, 1 spm, Arraial do Cabo, Prainha, 1990, T. C. M. Almeida

***Graptacme perlonga* (Dall, 1881)**

[Eight specimens measured]

**Material examined:** BRAZIL ― **Bahia state:** IBUFRJ 13866, 1 spm, REVIZEE Central sta. 517 (13°22′13″S, 38°36′41″W, 750 m), 02.vii.2001, S/B Astro Garoupa; **Rio de Janeiro state:** IBUFRJ 14309, 23 spm, Campos Basin (1000–1600 m), S/B Astro Garoupa.

***Graptacme semistriolata* (Guilding, 1834)**

[17 specimens measured]

**Material examined:** BRAZIL ― **Espírito Santo state:** IBUFRJ 14249, 14 spm, REVIZEE Central sta. 42 (20°44′16″S, 31°49′40″W, 85 m), 11.vii.2001, S/B Astro Garoupa; IBUFRJ 14247, 3 spm, REVIZEE Central sta. 49 (20°31′06″S, 29°21′12″W, 57 m), 10.vii.2001, S/B Astro Garoupa.

**Genus *Fissidentalium* P. Fischer, 1885**

***Fissidentalium candidum* (Jeffreys, 1877)**

[31 specimens measured]

**Material examined:** BRAZIL ― **Bahia state:** MNRJ 10321, 3 spm, off Caraíva, REVIZEE Central sta. C13 (16°48′18″S, 38°40′37″W, 260 m), 26.vi.2002, S/B Astro Garoupa; **Rio de Janeiro state:** IBUFRJ 15224, 28 spm, Campos Basin (1000–1600 m), S/B Astro Garoupa;MNRJ 16503, 1 spm, Campos Basin, HAB 3 sta. C9 (23°03′36″S, 40°41′56″W, 1300 m), vi.2008, R/V Gyre.

**Genus *Cocoocentalium* Habe, 1963**

***Coccodentalium carduus* (Dall, 1889)**

[32 specimens measured]

**Material examined:** BRAZIL ― **Bahia state:** IBUFRJ 14245, 3 spm, REVIZEE Central sta. C13 (16°48′17″S, 38°40′38″W), 26.vi.2002, 260 m, S/B Astro Garoupa; **Espírito Santo state:** IBUFRJ 14246, REVIZEE Central sta. A3 (18°58′53″S, 37°51′06″W), 19.vi.2002, 247 m, S/B Astro Garoupa, [15]; **Rio de Janeiro state:** MZSP 32977, 21 spm, Off Cabo Frio (350–400 m), iv.2001, C. Cunha; **São Paulo state:** MZSP 47189, 17 spm, off Ubatuba, sta. 5365, 07.xii.1988, R/V Prof. W. Besnard.

**Family Fustiariidae Steiner, 1991**

**Genus *Fustiaria* Stoliczka, 1868**

***Fustiaria liodon* (Pilsbry & Sharp, 1897)**

[18 specimens measured]

**Material examined:** BRAZIL ⎯ **Espírito Santo state:** IBUFRJ 9831, 1 spm, REVIZEE Central sta. VV16 (21°10′00″S, 40°27′00″W, 28 m), 26.ii.1996, S/B Astro Garoupa; IBUFRJ 9963, 7 spm, REVIZEE Central sta. VV17 (21°09′00″S, 40°27′00″W, 27 m), 26.ii.1996, S/B Astro Garoupa; **Rio de Janeiro state:** IBUFRJ 3214, 1 spm, Off Cabo de São Tomé, GEOMAR X sta. 10, 1978, R/V Almirante Câmara; IBUFRJ 14252, 14 spm, REVIZEE Central sta. 51 (21°40′00″S, 40°30′00″W, 25 m), 21.vii.2001, S/B Astro Garoupa.

***Fustiaria stenoschiza* (Pilsbry & Sharp, 1897)**

[Eight specimens measured]

**Material examined:** BRAZIL ― **Espírito Santo state:** IBUFRJ 10579, 8 spm, REVIZEE Central sta. C22f (20°36′15″S, 35°51′35″W, 110 m), 08.xi.1997, S/B Astro Garoupa; IBUFRJ 10587, 3 spm, REVIZEE Central sta. C62 (20°30′01″S, 37°28′30″W, 96 m), 25.iv.1996, S/B Astro Garoupa; IBUFRJ 14248, 3 spm, REVIZEE Central sta. 42 (20°44′16″S, 31°49′40″W, 85 m), 11.vii.2001, S/B Astro Garoupa.

**Gadilinidae Chistikov, 1975**

**Episiphon Pilsbry & Sharp, 1897**

***Episiphon didymum* (R. B. Watson, 1879)**

[30 specimens measured]

**Material examined:** BRAZIL ― **Bahia state:** IBUFRJ 14251, 3 spm, REVIZEE Central sta. 504 (14°28′54″S, 38°54′01″W, 278 m), 02.vii.2001, S/B Astro Garoupa; **Espírito Santo state:** IBUFRJ 8238, 6 spm, Off Espírito Santo, 1993, V. Abud; **Rio de Janeiro state:** IBUFRJ 989, 2 spm, Off Arraial do Cabo, GEORIO II sta. B5, 24.iii.1986; IBUFRJ 1899, 4 spm, Off Cabo Frio Island, GEORIO II sta. C2, 24.iii.1986; IBUFRJ 1221, 3 spm, Off Arraial do Cabo, GEORIO II sta. B4, 20.iii.1986; IBUFRJ 1637, 2 spm, Off Cabo Frio Island, GEORIO II sta. C1, 24.iii.1988; IBUFRJ 1906, 10 spm, Off Cabo Frio Island, GEORIO II sta. C3, 24.iii.1986.

***Episiphon sowerbyi* (Guilding, 1834)**

[26 specimens measured]

**Material examined:** BRAZIL **― Bahia state:** IBUFRJ 10967, 1 spm, REVIZEE Central, sta. 1f (13°04′52″S, 38°21′16″W, 830 m), 03.vii.2001, 830 m, S/B Astro Garoupa; IBUFRJ 14250, 2 spm, REVIZEE Central, sta. C13 (16°48′17″S, 38°40′38″W, 260 m), 26.vi.2002, S/B Astro Garoupa; **Espírito Santo state:** MNRJ 17364, 14 spm, Campos Basin, HAB 13 sta. I5 (21°22′59″S, 40°15′16″W, 150 m), 21.vii.2009, R/V Miss Emma McCall; MNRJ 35691, 17 spm, same data as for preceding; **Rio de Janeiro state:** MNRJ 17366, 2 spm, Campos Basin, HAB 13 sta. H5 (21°42′33″S, 40°09′06″W, 150 m), 09.iii.2009, R/V Miss Emma McCall; MNRJ 35685, 2 spm, same data as for preceding; IBUFRJ 14311, 1 spm, REVIZEE Central, sta. 52 (21°46′S, 40°05′W, 450 m), 21.vii.2001; MNRJ 17363, 3 spm, Campos Basin, HAB 11 sta. C2 (22°37′28″S, 41°21′58″W, 50 m), 27.ii.2009, R/V Miss Emma McCall; MNRJ 35683, 1 spm, same data as for preceding.

**Order Gadilida Sta.robogatov, 1974**

**Family Entalinidae Chistikov, 1979**

**Genus *Entalina* Monterosato, 1872**

***Entalina platamodes* (R. B. Watson, 1879)**

[28 specimens measured]

**Material examined:** BRAZIL **― Espírito Santo state:** MNRJ 16488, 3 spm, Campos Basin, HAB 7 sta. I6 (21°13′34″S, 40°15′04″W, 400 m), 06.vii.2008, R/V Miss Emma McCall. **Rio de Janeiro state:** MNRJ 17355, 13 spm, Campos Basin, HAB 7 sta. H6 (21°41′58″S, 40°06′22″W, 400 m), 07.vii.2008, R/V Miss Emma McCall; MNRJ 35800, 15 spm, same data as for preceding; MNRJ 35816, 14 spm, Campos Basin, HAB 7 sta. B6 (23°12′28″S, 40°58′37″W, 400 m), 01.ii.2009, R/V Miss Emma McCall.

**Family Gadilidae Stoliczka, 1868**

**Genus *Striocadulus* Emerson, 1962**

***Striocadulus magdalenensis* Gracia & Ardila, 2009**

[Five specimens measured]

**Material examined:** COLOMBIA ― Holotype MHNMC INV MOL 2829, 1 spm, off Bocas de Ceniza (11°13′N, 74°39′W, 406–412 m); Paratypes MHNMC INV MOL 2828 and MHNMC INV MOL 2384, same data as the holotype. BRAZIL ― **Amapá state:** IBUFRJ 17015, 1 spm, off Amapá (03°25′N, 48°03′W, 700 m), 14.xii.2005.

**Genus *Polyschides* Pilsbry & Sharp, 1898**

***Polyschides noronhensis* Simone, 2009**

[Six specimens measured]

**Material examined:** BRAZIL ― **Fernando de Noronha Archipelago:** Holotype MZSP 88441, 1 spm, Porto beach (03°50′07″S, 32°24′10″W, 6 m), 20.vii.1999, Simone & Souza; MZSP 10188, 5 spm, same data as the holotype.

***Polyschides portoricensis* (Henderson, 1920)**

[24 specimens measured]

**Material examined:** PUERTO RICO ― Holotype USNM 314712, 1 spm, Mayaguez Harbor (45 m). BRAZIL ― **Amapá state:** IBUFRJ 13940, 30 spm, AMASSEDS sta. 4134 (02°21′N, 48°29′W, 72 m), xi.1990, R/V Victor Hensen; CMPHRM 1706, 3 spm, GEOMAR II sta. 129 (02°53′N, 48°17′W, 111 m); CMPHRM 1707, 6 spm, GEOMAR II sta. 129 (04°18′48″N, 50°17′06″W, 89 m); **Pará state:** UERJ 3043, 1 spm, Off Salinópolis (27 m); **Alagoas state:** MORG 34743, 52 spm, Maceió (52 m); **Bahia state:** MORG 32072, 20 spm, Itaparica Island; **Rio de Janeiro state:** IBUFRJ 14189, 1 spm, REVIZEE Central sta. vv16 (21°10′59″S, 40°27′04″W, 28 m), 26.ii.1996, R/V Antares.

***Polyschides tetraschistus* (R. B. Watson, 1879)**

[30 specimens measured]

**Material examined:** BRAZIL ― **Espírito Santo state:** MNRJ 14868, 4 spm, off Espírito Santo; MNRJ 14956, 2 spm, off Espírito Santo; MNRJ 15078, 3 spm, off Espírito Santo; **Rio de Janeiro state:** MNRJ 14960, 4 spm, Campos Basin (21°35′18″S, 40°31′22″W, 35 m), vii.2002; MNRJ 14951, 1 spm, off Espírito Santo (21°36′32″S, 40°39′18″W, 26 m), 30.vi.2002; MNRJ 35715, 6 spm, Campos Basin, HAB 11 sta. F2 (22°03′37″S, 40°24′16″W, 50 m), 25.ii.2009, R/V Miss Emma McCall; MNRJ 35757, 1 spm, same data as for preceding; MNRJ 35762, 25 spm, same data as for preceding.

***Polyschides xavante* Caetano & Absalão, 2005**

[29 specimens measured]

**Material examined:** BRAZIL ― **Fernando de Noronha Archipelago:** Holotype IBUFRJ 14190, 1 spm, Sancho Bay (03°51′S, 32°26′W, 10–15 m); Paratypes MCZ 350337, 5 spm, same data as the holotype; Paratypes MNRJ 10313, 6 spm, same data as the holotype; Paratypes UERJ 3045, 6 spm, same data as for holotype; MORG 41075, 6 spm, same data as the holotype; MZSP 43518, 5 spm, same data as the holotype.

**Genus *Cadulus* Philippi, 1844**

***Cadulus nerta* Caetano, Scarabino & Absalão, 2006**

[29 specimens measured]

**Material examined:** BRAZIL ― **Espírito Santo state:** MNRJ 17352, 2 spm, HAB 13 sta. I2 (21°22′55″S, 40°19′48″W, 50 m), 05.iii.2009, R/V Miss Emma McCall; MNRJ 17351, 3 spm, HAB 13 sta. I4 (21°09′05″S, 40°16′13″W, 100 m), 06.iii.2009, R/V Miss Emma McCall; MNRJ 17350, 23 spm, HAB 13 sta. I5 (21°22′59″S, 40°15′16″W, 150 m), 06.iii.2009, R/V Miss Emma McCall; **Rio de Janeiro state:** MNRJ 35549, 4 spm, HAB 11 sta. F3 (22°07′39″S, 40°18′53″W, 75 m), 24.ii.2009, R/V Miss Emma McCall.

***Cadulus parvus* Henderson, 1920**

[24 specimens measured]

**Material examined:** BRAZIL ― **Rio de Janeiro state:** MNRJ 16496, 2 spm, Campos Basin, HAB 11 sta. F2 (22°03′37″S, 40°24′16″W, 50 m), 24.ii.2009, R/V Miss Emma McCall; MNRJ 35785, 2 spm, same data as for preceding; MNRJ 16495, 1 spm, Campos Basin, HAB 11 sta. E2 (22°06′52″S, 40°39′04″W, 50 m), 26.ii.2009, R/V Miss Emma McCall; MNRJ 17358, 3 spm, Campos Basin, HAB 11 sta. E3 (22°08′05″S, 40°27′34″W, 75 m), 23.ii.2009, R/V Miss Emma McCall; MNRJ 17359, 1 spm, Campos Basin, HAB 11 sta. E4 (22°17′38″S, 40°27′06″W, 100 m), 23.ii.2009, R/V Miss Emma McCall; MNRJ 35795, 39 spm, same data as for preceding; MNRJ 17360, 2 spm, Campos Basin, HAB 11 sta. E5 (22°23′35″S, 40°20′47″W, 150 m), 23.ii.2009, R/V Miss Emma McCall; MNRJ 35782, 1 spm, same data as for preceding; MNRJ 35792, 2 spm, same data as for preceding; MNRJ 35786, 1 spm, Campos Basin, HAB 11 sta. C5 (22°57′24″S, 40°50′36″W, 150 m), 03.vii.2009, R/V Miss Emma McCall.

**Genus *Gadila* Gray, 1847**

***Gadila braziliensis* (Henderson, 1920)**

[50 specimens measured]

**Material examined:** BRAZIL ⎯ **Rio de Janeiro state:** IBUFRJ 3110, 13 spm, PITA sta. 12 (22°24′30″S, 41°33′30″W, 38 m), 02.v.1993, S/B Astro Garoupa; IBUFRJ 6477, 66 spm, Macaé, Santana Archipelago, v.1993, S/B Astro Garoupa; IBUFRJ 231, 1 spm, Ilha Grande Bay, sta. 10, 25.iv.1967; IBUFRJ 1889, 19 spm, Off Cabo Frio, GEORIO II sta. C2, 24.iii.1986; IBUFRJ 1329, 51 spm, off Arraial do Cabo, GEORIO II sta. B4, 20.iii.1986; IBUFRJ 1905, 20 spm, off Cabo Frio, GEORIO II sta. C3, 24.iii.1986.

***Gadila dominguensis* (d′Orbigny, 1853)**

[50 specimens measured]

**Material examined:** BRAZIL ⎯ **Bahia state:** IBUFRJ 9513, 3 spm, REVIZEE CENTRAL sta. 16 (18°03′10″S, 37°19′26″W, 100 m), 29.vi.2001, S/B Astro Garoupa; IBUFRJ 12854, 64 spm, REVIZEE CENTRAL sta. C76 (15°53′49″S, 38°31′05″W, 66 m), 30.iv.1996, R/V Antares; **Espírito Santo state:** IBUFRJ 8240, 2 spm, off Espírito Santo, 1993, Vera Abud; IBUFRJ 9649, 1 spm, REVIZEE CENTRAL sta. C65 (18°53′17″S, 39°06′23″W, 50 m), 25.IV.1996, S/B Astro Garoupa; IBUFRJ 9997, 3 spm, REVIZEE Central sta. 48r (20°29′20″S, 28°51′46″W, 52 m), 10.vii.2001, S/B Astro Garoupa.

***Gadila pandionis* (Verrill & S. Smith [in Verrill], 1880)**

[16 specimens measured]

**Material examined:** BRAZIL ⎯ **Bahia state:** IBUFRJ 14313, 5 spm, REVIZEE CENTRAL sta. R4-1 (13°04′30″S, 38°23′30″W, 91 m), 23.vi.2002, S/B Astro Garoupa; IBUFRJ 10698, 13 spm, REVIZEE CENTRAL sta. C13 (16°48′17″S, 38°40′38″W, 260 m), 26.vi.2002, 260 m, S/B Astro Garoupa; **Espírito Santo state:** IBUFRJ 10917, 2 spm, REVIZEE CENTRAL sta. C35 (20°57′17″S, 40°07′58″W, 500 m), 03.xi.1997, S/B Astro Garoupa; **Rio de Janeiro state:** IBUFRJ 14314, 3 spm, JOPS-II-8 sta. 3201 (21°37′00″S, 39°54′00″W, 1320 m) 11.iv.1995, R/V Victor Hensen.

***Gadila simpsoni* Henderson, 1920**

[18 specimens measured]

**Material examined:** BRAZIL ― **Bahia state: I**BUFRJ 14317, 21 spm, REVIZEE CENTRAL sta. R4-1 (13°04′30″S, 38°23′30″W, 91 m), 23.vi.2002, S/B Astro Garoupa; IBUFRJ 14316, 13 spm, REVIZEE CENTRAL sta. C13 (16°48′17″S, 38°40′38″W, 260 m), 26.vi.2002, S/B Astro Garoupa; **Espírito Santo state:** IBUFRJ 14315, 3 spm, REVIZEE CENTRAL sta. A3 (18°58′53″S, 37°51′06″W, 247 m), 19.vi.2002, S/B Astro Garoupa; **Rio de Janeiro state:** IBUFRJ 14318, 7 spm, JOPS-II-8 sta. 3216 (21°37′00″S, 40°08′00″W, 300 m), 14.iv.1995, R/V Victor Hensen.