
Checklist of the Cnidaria Medusozoa of Brazil

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Abstract

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Literature records were reviewed to compile a list of species of the marine taxa of Cnidaria Medusozoa recorded for the Brazilian coast. The total number of species of medusozoans so far recorded for Brazil is 373: 347 Hydrozoa, 3 Cubozoa: 23 Scyphozoa.

Keywords: Hydrozoa, Scyphozoa, Cubozoa, fauna, South Atlantic, Brazil, polyp, medusa

Resumo

Lista dos Cnidaria Medusozoa do Brasil

Uma lista dos Cnidaria Medusozoa marinhos do Brasil foi composta a partir de registros de ocorrência disponíveis na literatura. Até o momento, há um total de 373 espécies registradas para o Brasil: 347 de Hydrozoa, 3 de Cubozoa e 23 de Scyphozoa.

Palavras-chave: hidrozoários, cifozoários, cubozoários, fauna, Atlântico Sul, Brasil, pólipos, medusa

The tradition of systematics in Brazil is still evolving, with interest having increased markedly in recent years. Nevertheless, there are several higher groups, including phyla, without a single species record along the entire Brazilian coast (see Migotto and Tiago, 1999, for examples from São Paulo state, SE Brazil). This is due to the small number of taxonomists, who have worked on relatively few groups, in the country. Moreover, there are few natural history museums in Brazil and conservation of their collections has suffered due to limited personnel and modest budgets. Brazilian biodiversity is certainly underestimated given the large size of the country, and the range and complexity of its ecosystems. The coastline, for example, extends a distance of some 8,000 km and encompasses a range of physiographic provinces from the subtropical South to the equatorial North.

A few isolated programs have been undertaken thus far to address marine biodiversity. One recently established program, called BIOTA, aims to survey the organisms of São Paulo state (SE Brazil). One of the initial steps of any biodiversity program is a survey of previously published data. The purpose of this study is to summarize, in a tabular checklist, available knowledge from the literature on medusozoans of the Brazilian coast.

A list of marine taxa of Cnidaria Medusozoa from Brazil, compiled from literature records, is given below. As a general rule, we followed major treatises on medusozoans (e.g. Mayer 1910, Kramp 1961, Calder 1988, 1991, 1997, Mianzan & Cornelius 1999, Pugh 1999) regarding the taxonomic status and classification of species. Whenever a record was considered doubtful in the original work, we preserved the information using a question mark in front of the author citation in the references column of the table. We also decided to include nominal species of uncertain validity so as not to lose potentially useful information. Broad distributional ranges, for instance those provided by plankton guides, were considered as a continuous range of occurrence from north to south of the species. Vague geographical information was not detailed in the table (e.g. "Brazil" is treated as "no specific record for Brazil"). Whenever pertinent, information regarding the occurrence of medusa (M), or polyp (P), or both, in Brazilian waters was included. Codes used for the states, from south to north of the country, are: RS (Rio Grande do Sul); SC (Santa Catarina); PR (Paraná); SP (São Paulo); RJ (Rio de Janeiro); ES (Espírito Santo); BA (Bahia); SE (Sergipe); AL (Alagoas); PE (Pernambuco); PB (Paraíba); RN (Rio Grande do Norte); CE (Ceará); PI (Piauí); MA (Maranhão); PA (Pará); AP (Amapá). Oceanic islands were also individually considered and abbreviated as AR (Atol da Rocas); FN (Fernando de Noronha) and TRI (Trindade Island). The regions adopted in the study are as defined geopolitically; these are abbreviated as S (South, includes the states RS, SC, PR); SE (Southeast, includes SP, RJ, ES); NE (Northeast, includes BA, SE, AL, PE, PB, RN, CE, PI, MA, plus the islands AR and FN) and N (North, includes PA, AM, AP).

All classes of Medusozoa are represented along the coast of Brazil. The total number of species of medusozoans so far recorded for Brazil is 373 (Hydrozoa: 347; Cubozoa: 3; Scyphozoa: 23), arranged in 194 genera and 83 families (Table 1).

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References

- ALCÂNTARA, A.V., ROCHA, C.E.F. & SANTOS, M.A. 1979. Caracterização hidrológica e biológica do estuário do Rio Sergipe. Sergipe, Unigráfica (UFSE).
- ALLMAN, G.J. 1883. Report on the Hydroida dredged by H.M.S. Challenger during the years 1873-76. Rep. Sci. Res. Challenger Exp. (Zool. Ser.) 7(20): 1-55.
- ALLMAN, G.J. 1888. Report on the Hydroida dredged by H.M.S. Challenger during the years 1873-76. Part II. The Tubularinae, Corymorphinae, Campanularinae, Sertularinae and Thalamophora. Rep. Sci. Res. Challenger Exp. (Zool. Ser.) 23: 1-90.
- ALVARIÑO, A. 1968. Los quetognatos, sifonoforos y medusas en la región del Atlántico ecuatorial bajo la influencia del Amazonas. An. Inst. Biol., Univ. Auton. Méx., Ser. Mar Limnol 1: 41-76.
- ALVARIÑO, A. 1971. Siphonophores of the Pacific with a review of the world distribution. Bull. Scripps Inst. Oceanogr. 16: 1-432.
- ALVARIÑO, A. 1981. Siphonophorae. In Atlas del zooplancton del Atlántico sudoccidental y metodos de trabajo con el zooplancton marino (D. Boltovskoy, ed.). INIDEP, Mar del Plata, p. 383-441.
- AMARAL, F.D. 1997. Milleporidae (Cnidaria, Hydrozoa) do litoral Brasileiro. PhD Thesis, Universidade de São Paulo, São Paulo.
- ANDRADE, L.P. 2001. Aspectos da biologia e do ciclo de vida de *Aglaophenia latecarinata* (Cnidaria, Hydrozoa, Aglaopheniidae). MSc. Dissertation, Universidade de São Paulo, São Paulo.
- ANDRADE, L.P. & MIGOTTO, A.E. 1996. O ciclo de vida de *Hebella furax* (Cnidaria, Hydrozoa, Lafoeidae). In Resumos do III Simpósio sobre oceanografia. IOUSP, São Paulo, p. 179.
- ANDRADE, L.P. & MIGOTTO, A.E. 1997. Is there a link

- between *Hebella* hydroids (Hydrozoa, Lafoeidae) and *Staurodiscus* medusae (Hydrozoa, Laodiceidae)? In Boletim de Resumos Expandidos VII COLACMAR, v. 1, Santos, p. 35-36.
- BELÉM, M.J.C., CASTRO, C.B. & ROHLFS C. 1982. Notas sobre *Solanderia gracilis* Duchassaing & Michelin, 1846, do Parcel de Abrolhos, BA. Primeira ocorrência de Solanderiidae (Cnidaria, Hydrozoa) no litoral brasileiro. An. Acad. brasil. Ciênc. 54(3): 585-588.
- BOUILLON, J. & GROHMANN, P.A. 1990. *Pinushydra chiquitita* gen. et sp. nov. (Cnidaria, Hydrozoa). Cah. Biol. Mar. 31: 291-305.
- BOUILLON, J. & GROHMANN, P.A. 1994. A new interstitial stolonial hydroid: *Nannocoryne* gen. nov. *mammylia* sp. nov. (Hydroidomedusae, Anthomedusae, Corynidae). Cah. Biol. Mar. 35: 431-439.
- BRANNER, J.C. 1904. The stone reefs of Brazil, their geological and geographical relations with a chapter on the coral reefs. Bull. Mus. comp. Zool. Harv. 54: 1-285.
- CALDER, D.R. 1988. Shallow-water hydroids of Bermuda: The Athecatae. Life Sci. Contr. R. Ontario Mus. 148: 1-107.
- CALDER, D.R. 1991. Shallow-water hydroids of Bermuda: The Thecatae, exclusive of Plumularioidea. Life Sci. Contr. R. Ontario Mus. 154: 1-140.
- CALDER, D.R. 1997. Shallow-water hydroids of Bermuda: supefamily Plumularioidea Life Sci. Contr. R. Ontario Mus. 161: 1-85.
- CALDER, D.R. & MAÿAL, E.M. 1998. Dry season distribution of hydroids in a small tropical estuary, Pernambuco, Brazil. Zool. Verh. Leiden 323: 69-78.
- CARVALHO, J.P. 1943. Ocorrência do gênero *Liriope* no plancton marinho de Santos e São Vicente. Bol. Ind. Anim. 148: 105-111.
- CASTRO, C.B., ECHEVERRÍA, C.A., PIRES, D.O., MASCARENHAS, B.J.A. & FREITAS, S.G. 1995. distribuição de Cnidaria e Echinodermata no infralitoral de costões rochosos de Arraial Cabo, Rio de Janeiro, Brasil. Rev. Brasil. Biol. 55(3): 471-480.
- CASTRO, C.B. & PIRES, D.O. 2001. Brazilian coral reefs: what we already know and what is still missing. Bull. mar. Sci. 69(2): 357-371.
- CASTRO, C. B. & SEGAL, B. 2001. The itacolomis: large and unexplored reefs at the arrival point of the first Europeans in Brazil. Coral Reefs 20: 18.
- CASTRO, C.B., SILVEIRA, F.L. & MORANDINI, A.C. 1998. Primeiro registro de uma medusa de Scyphozoa para o Parque Nacional Marinho dos Abrolhos, BA, através de documentação em video (H18). In XXII Congresso Brasileiro de Zoologia. SBZ, Recife, PE, p. 7.
- CORNELIUS, P.F.S. & SILVEIRA, F.L. 1997. Recent observations on the Brazilian scyphomedusa fauna. In Boletim de Resumos Expandidos VII COLACMAR, v. 1, Santos, p 192-194.
- CORREIA, K.V. 1985. Ocorrência de *Bougainvillia trinema* (von Lendenfeld, 1884) (Anthomedusae-Bougainvilliidae) para o Atlântico. In Resumos do XII Congresso Brasileiro de Zoologia. SBZ, Campinas, p.15.
- DAWSON, M.N. & JACOBS, D.K. 2001. Molecular evidence for cryptic species of *Aurelia aurita* (Cnidaria, Scyphozoa). Biol. Bull. 200: 92-96.
- DIAS, L. 1994. Siphonophora (Cnidaria, Hydrozoa) da região compreendida entre Cabo Frio, RJ (23°S) e Cabo de Santa Marta Grande, SC (29°W). PhD Thesis, Universidade de São Paulo, São Paulo.
- ECHEVERRÍA, C.A., PIRES, D.O., MEDEIROS, M.S. & CASTRO, C.B. 1997. Cnidarians of the Atol das Rocas, Brazil. Proc. 8th International Coral Reef Symposium, Panama, 1: 443-446.
- ESCHSCHOLTZ, F. 1829. System der Acalephen. Eine ausführliche Beschreibung aller medusenartigen Strahlthiere. Berlin, 1-190.
- ESTON, V.R., MIGOTTO, A.E., OLIVEIRA FILHO, E.C., RODRIGUES, S.A. & FREITAS, J.C. 1986. Vertical distribution of benthic marine organisms on rocky coasts of the Fernando de Noronha Archipelago (Brazil). Bolm Inst. Oceanogr., S. Paulo 34: 37-53.
- FREITAS, J.C. SCHIOZER, W.A. & MALPEZZI, E.L.A. 1995. A case of envenoming by Portuguese man-of-war from the Brazilian coast. Toxicon 33(7): 859-861.
- GOY, J. 1979. Campagne de la Calypso au large des côtes atlantiques de l'Amérique du Sud (1961-1962) - 35. Méduses. Resul. scient. camp. Calypso 11: 263-296.
- GRAVIER-BONNET, N. & MIGOTTO, A.E. 2000. Gonangium development and medusoid of *Nemalecium lighti* (Hargitt, 1924) (Cnidaria: Hydrozoa, Haleciidae). Sci. Mar. 64(supl. 1): 207-213.
- GROHMANN, P.A., SOUZA, M.M. & NOGUEIRA, C.C. 1997. Hydroids from the vicinity of a large industrial area in Vitória, Espírito Santo, Brazil. Proceedings of the VI International Conference on Coelenterate Biology, Leiden, The Netherlands: 227-232.
- GROHMANN, P.A., M.P. MAGALHÃES & Y.M. HIRANO 1999. First record of the order Stauromedusae (Cnidaria, Scyphozoa) from the tropical Soutwestern Atlantic, with a review of the distribution of Stauromedusae in the southern hemisphere. Species Diversity 4: 381-388.
- HADDAD JR., V., CARDOSO, J.L.C. & SILVEIRA, F.L. 2001. Seabather's eruption: report of five cases in Southeast region of Brazil. Rev. Inst. Med. Trop. SPaulo 43(3): 171-172.
- HADDAD, M.A. 1992. Hidróides (Cnidaria, Hydrozoa) de costões rochosos do litoral sul do Estado do Paraná. PhD Thesis, Universidade de São Paulo, São Paulo.
- HADDAD, M.A. & NAKATANI, K. 1996. Primeiro registro de *Cordylophora caspia* (Pallas, 1771)

- (Cnidaria, Hydroida) em águas continentais brasileiras. In XIV Congresso Brasileiro de Zoolologia., SBZ, Porto Alegre, p.10.
- HADDAD, M.A., SILVA, J.D. da & OLIVEIRA, C.C. de 2000. Hidróides (Cnidaria, Hydrozoa) epifíticos em *Sargassum cymosum* C.Agath, 1820 (Phaeophyta, Fucales) da Ponta das Garoupas, Bombinhas, Santa Catarina. In XXIII Congresso Brasileiro de Zoologia. SBZ, Cuiabá, p.42.
- HAECKEL, E. 1880. Das system der medusen. I, 2: System der Acraspeden. Zweite Halfte des System der Medusen. Gustav Fischer, Jena, 361-672.
- HARTT, C. F. 1868. A vacation trip to Brazil. Amer. Natur. 1: 642-651.
- HARTT, C. F. 1869. The cruise of the Abrolhos. Amer. Natur. 2: 85-93.
- HETZEL, B. & CASTRO, C.B. 1994. Corais do Sul da Bahia. Rio de Janeiro, Nova Fronteira.
- HORTA, P.A., MORANDINI, A.C., BUCCHMANN, F. & OLIVEIRA, E.C. 2001. Macrobentos do Parcel do Carpinteiro - um desafio para o levantamento da biodiversidade do infralitoral brasileiro. In Anais da XIV Semana Nacional de Oceanografia - Oceanografia e Sociedade: um desafio à teoria e à prática. FURG, Rio Grande, resumo 126.
- HUDSON, M.M.F., AMARAL, F.D., COURA, M.F. 1999. Atualização do levantamento de cnidários bentônicos do Parque Estadual Marinho do Parcel do Manuel Luiz, MA. In Resumos do XII Encontro de Zoologia do Nordeste, p. 180.
- JÄDERHOLM, E. 1903. Aussereuropäische hydroiden in Schwedischen Reichsmuseum. Ark. Zool. 1: 259-312.
- JÄDERHOLM, E. 1920. On some exotic hydroids in the Swedish Zoological State Museum. Ark. Zool. 13(3): 1-11
- KELMO, F. & DE SANTA-ISABEL, L.M. 1998. The athecatae hydroids (Cnidaria, Hydrozoa) from Northern Bahia, Brazil. Rev. Biol. Trop. 46 (supl.5): 61-72.
- KRAMP, P.L. 1951. Hydrozoa and Scyphozoa. Rep. Swed. Deep-Sea Exped., Zoology 2(10): 121-127.
- KRAMP, P.L. 1957. Hydromedusae from the Discovery collections. Discovery Rep. 29: 1-128.
- KRAMP, P.L. 1959. The Hydromedusae of the Atlantic Ocean and adjacent waters. Dana-Rep. 46: 1-283.
- KRAMP, P.L. 1961. Synopsis of the medusae of the world. J. mar. biol. Ass. U.K. 40: 1-469.
- LABOREL, J. 1969a. Madréporaires et Hydrocoralliaires récifaux des côtes brésiliennes. Systematique, ecologie, repartition verticale et geographie. Ann. Inst. Oceanogr., Paris 47: 171-229
- LABOREL, J. 1969b. Les peuplements de madréporaires des côtes tropicales du Brésil. Ann. Univ. Abidjan Ecologie, series E II(3): 1-260.
- LELOUP, E. 1935. Contribution à la répartition de *Tetraplatia volitans* (Busch). Bull. m. r. hist. nat. Belgiq 11(4): 1-7.
- LESSON, R.P. 1830. Voyage autour du monde, exécuté par ordre du roi sur la corvette *La Coquille*, pendant les années 1822-1825. Zoologie t.2(2): 1-135.
- LINDNER, A. 2000. Redescricao e ciclo de vida de *Clytia gracilis* e *Clytia linearis* (Cnidaria, Hydrozoa, Campanulariidae). MSc. Dissertation, Universidade de São Paulo, São Paulo.
- LINDNER, A. & CALDER, D.R. 2000. *Campanularia noliformis* McCrady, 1859 (currently *Clytia noliformis*; Cnidaria, Hydrozoa): proposed conservation of the specific name by the designation of a neotype. Bull. Zool. Nom. 57, 140-143.
- LINDNER, A. & MIGOTTO, A.E. 1998. O ciclo de vida de *Clytia noliformis* (Cnidaria, Hydrozoa, Campanulariidae). In XXII Congresso Brasileiro de Zoologia. SBZ, Recife, p. 6.
- LINDNER, A. & MIGOTTO, A.E. 2001. Merotrichous isorhiza, a new nematocyst in the Campanulariidae (Cnidaria; Hydrozoa), and its relevance for the classification of cnidae. Proc. biol. Soc. Wash. 114(4): 825-832.
- MARQUES, A.C. 1993. Sistemática dos Eudendriidae L. Agassiz, 1862 (Cnidaria, Hydrozoa) do litoral Paulista. São Paulo. MSc. Dissertation, Universidade de São Paulo, São Paulo.
- MARQUES, A.C. 1995. *Eudendrium pocaruquarum* n. sp. (Hydrozoa, Eudendriidae) from the southeastern coast of Brazil, with remarks on taxonomic approaches to the family Eudendriidae. Contr. Zool. 65(1): 35-40.
- MARQUES, A.C. 2001. O gênero *Eudendrium* (Cnidaria, Hydrozoa, Anthomedusae) no Brasil. Pap. Av. Zool. 41(22): 329-405.
- MARQUES, A.C., HADDAD, V. & MIGOTTO, A.E. 2002. Envenomation by a benthic Hydrozoa (Cnidaria): the case of *Nemalecium lighti* (Haleciidae). Toxicon 40: 213-215.
- MARQUES, A.C., MORANDINI, A.C. & PINTO, M.M. 1997. Cnidome of *Chiropsalmus quadrumanus* (Cnidaria, Cubozoa) from Brazil. In Boletim de Resumos Expandidos VII COLACMAR, Santos, v. 2, p 136-138.
- MARQUES, A.C. & MORETZSOHN, F. 1995. Substrata used by *Pteria colymbus* (Röding, 1798) (Bivalvia: Pteriidae) for attachment. Publicação. esp. Inst.oceanogr. SPaulo 11: 197-201.
- MAÿAL, E.M. 1983. Distribuição de hidróides (Hydrozoa, Thecata) na costa do estado de Pernambuco, Brasil. Bolm. Zool. Univ. S. Paulo 8: 1-13.
- MAYER, A.G. 1910. The medusae of the world. Vol III. The scyphomedusae. Carnegie Institution, Washington D.C.
- MIANZAN, H.W. & CORNELIUS, P.F.S. 1999. Cubomedusae and Scyphomedusae. In South Atlantic Zooplankton (D. Boltovskoy ed.). Backhuys Publishers, Leiden, Vol. 1, p.513-559.
- MIANZAN, H.W. & GUERRERO, R.A. 2000. Environmental patterns and biomass distribution of

- gelatinous macrozooplankton. Three study cases in the South-western Atlantic Ocean. *Sci. Mar.* 64(Supl. 1): 215-224.
- MIGOTTO, A.E. 1996. Benthic shallow-water hydroids (Cnidaria, Hydrozoa) of the coast of São Sebastião, Brazil, including a checklist of Brazilian hydroids. *Zool. Verh. Leiden* 306: 1-125.
- MIGOTTO, A.E. 1997. Aspects of the reproduction of *Dentitheca bitentata* (Cnidaria, Hydrozoa): a monoic plumularid that releases medusoids. In *Boletim de Resumos Expandidos VII COLACMAR*, v. 2, Santos, p. 170-171.
- MIGOTTO, A.E. 1998. The life cycle of *Sertularia marginata* Kirchenpauer, 1864 (Cnidaria: Hydrozoa): a medusoid-producing sertulariid. *J. nat. Hist.* 32: 1-12.
- MIGOTTO, A.E. & ANDRADE, L.P. 2000. The life cycle of *Hebella furax* (Cnidaria: Hydrozoa): a link between a lafoeid hydroid and a laodiceidae medusae. *J. nat. Hist.* 34: 1871-1888.
- MIGOTTO, A.E. & CALDER, D.R. 1998. *Sertularia vervoorti* (Hydrozoa: Sertulariidae), an undescribed species of hydroid from Brazil. *Zool. Verh. Leiden* 323:169-174.
- MIGOTTO, A.E. & MARQUES, A.C. 1999a. Hydroid and medusa stages of the new species *Ectopleura obypa* (Cnidaria: Hydrozoa: Tubulariidae) from Brazil. *Proc. biol. Soc. Wash.* 112(2):303-312.
- MIGOTTO, A.E. & MARQUES, A.C. 1999b. Redescription of *Dentitheca bidentata* (Hydrozoa, Leptomedusae, Plumulariidae) with notes on its life cycle. *J. nat. Hist.* 33: 949-960.
- MIGOTTO, A.E., MARQUES, A.C. & FLYNN, M.N. 2001. Seasonal recruitment of hydroids (Cnidaria) on experimental panels in the São Sebastião Channel, Southeastern Brazil. *Bull. Mar. Sci.* 68: 287-298.
- MIGOTTO, A.E. & SILVEIRA, F.L. 1987. Hidróides (Cnidaria, Hydrozoa) do litoral sudeste e sul do Brasil: Halocordylidae, Tubulariidae e Corymorphidae. *Iheringia. sér. Zool.* 66: 3-32.
- MIGOTTO, A.E. & TIAGO, C. 1999. Biodiversidade do Estado de São Paulo: Síntese do conhecimento no final do século XX. Parte 3: Invertebrados marinhos. FAPESP, São Paulo.
- MIGOTTO, A.E. & VERVOORT, W. 1998. Redescription of *Sertularia notabilis* Fraser, 1947 (Sertulariidae, Hydrozoa). *Zool. Med. Leiden* 72: 89-100.
- MORANDINI, A.C. & MARQUES, A.C. 1997. "Morbakka" syndrome: first report of envenomation by Cubozoa (Cnidaria) in Brazil. In *Boletim de Resumos Expandidos VII COLACMAR*, Santos, v. 2, p.188-189.
- MORANDINI, A.C. & SILVEIRA, F.L. 2001a. Sexual reproduction of *Nausithoe aurea* (Scyphozoa, Coronatae). Gametogenesis, egg release, embryonic development, and gastrulation. *Sci. Mar.* 65(2): 139-149.
- MORANDINI, A.C. & SILVEIRA, F.L. 2001b. New observations and new record of *Nausithoe aurea* (Scyphozoa, Coronatae). *Pap. Av. Zool.* 41(27): 519-527.
- MOREIRA, M.G.B.S. 1961. Sobre *Mastigias scintillae* sp. nov. (Scyphomedusae, Rhizostomeae) das costas do Brasil. *Bolm Inst. Oceanogr. S Paulo* 11(2): 5-29.
- MOREIRA, G.S. 1973. On the diurnal vertical migration of hydromedusae off Santos, Brazil. *Publs Seto mar. biol. Lab.* 20: 537-566.
- MOREIRA, G.S. 1975. Sobre duas Leptomedusae do litoral do estado de São Paulo. *Ciênc. Cult., S. Paulo* 27(5): 556-558.
- MOREIRA, G.S., LEITE L.R. & NIPPER, M.G. 1978. Notes on *Dipurena reesi* Vannucci 1956 (Hydrozoa, Corynidae) with a description of an unusual method of asexual reproduction. *Bolm Fisiol. Anim., Univ. S Paulo* 2: 159-164.
- MOREIRA, G.S., NIPPER, M.G. & LEITE, L.R. 1979. On *Stylactis hooperi* Sigerfoos, 1899 (Hydrozoa, Hydractiniidae, a new addition to the fauna of southern Brazil. *Proc. Internat. Symp. Mar. Biogeogr. Evolut. Southern Hemisph. New Zealand* 2: 679-689.
- MOREIRA, G. S. & YAMASHITA, C. 1972. *Aglauroopsis kawari* (Limnomedusae: Olindiasidae), a new species from the South Atlantic. *Mar. Biol.* 14(3): 271-274.
- MOURA, R.L., MARTINS-RODRIGUES, M.C., FRANCINI-FILHO, R.B., SAZIMA, I. 1999. Unexpected richness of reef corals near the Southern Amazon River mouth. *Coral Reefs* 18: 170.
- MÜLLER, F. 1859a. Polypen und Quallen von Santa Catharina. Die Formwandlungen der *Liriope catharinensis* n.sp. *Archiv für Naturgeschichte* 1: 310-321. In Fritz Müller: Werke, Briefe und Leben. Erster Band: Gesammelte schriften sowiet sie bereits früher in druck erschienen sind (A Möller ed., 1915) Jena, vol. 1, p. 93-100.
- MÜLLER, F. 1859b. Zwei neue Quallen von Santa Catharina. *Tamoya haplonema* und *quadrumana*. *Abhandlungen der Naturforschenden Gesellschaft in Halle* 5: 1-12. In Fritz Müller: Werke, Briefe und Leben. Erster Band: Gesammelte schriften sowiet sie bereits früher in druck erschienen sind (A Möller ed., 1915) Jena, vol. 1, p. 85-92.
- MÜLLER, F. 1861a. Polypen und Quallen von Santa Catharina. *Olindias sambaquiensis* n.sp. *Archiv für Naturgeschichte* 1: 312-319. In Fritz Müller: Werke, Briefe und Leben. Erster Band: Gesammelte schriften sowiet sie bereits früher in druck erschienen sind (A Möller ed., 1915) Jena, vol. 1, p. 132-136.
- MÜLLER, F. 1861b. *Cunina Kollikeri* n.sp. Beitrag zur Naturgeschichte der Aeginiden. *Archiv für Naturgeschichte* 1: 42-52. In Fritz Müller: Werke, Briefe und Leben. Erster Band: Gesammelte schriften sowiet sie bereits früher in druck erschienen sind (A Möller ed., 1915) Jena, vol. 1, p. 116-122.
- MÜLLER, F. 1865. Über die Randbläschen der Hydroidquallen. *Arch. mikr. Anat.* 1: 143-147.
- MÜLLER, F. 1883. *Drymonema* an der küste von Brasilien.

- Zool. Anz. 6: 220-222. In Fritz Müller: Werke, Briefe und Leben. Erster Band: Gesammelte Schriften soweit sie bereits früher in Druck erschienen sind (A Möller ed., 1915) Jena, vol. 1, p. 999-1000.
- NARCHI, W. & HEBLING, N.J. 1975. The life cycle of the commensal hydromedusa *Eutima sapinhua* n. sp. Mar. Biol. 30: 73-78.
- NAVAS-PEREIRA, D. 1980. Hydromedusae of the Bay of Sepetiba (Rio de Janeiro, Brazil). Revta bras. Biol. 40(4):817-824.
- NAVAS-PEREIRA, D. 1981. Distribuição das hidromedusas (Cnidaria, Hydrozoa) na região da plataforma continental do Rio Grande do Sul. In Seminários de Biologia Marinha, São Paulo. Academia Brasileira de Ciências. p. 221-276
- NAVAS-PEREIRA, D. 1984a. New record of budding in *Zanclea costata* (Anthomedusae, Zancleidae) Dusenía 14(3): 89-93.
- NAVAS-PEREIRA, D. 1984b. On the morphological variability of *Phialucium carolinae* (Mayer, 1900) (Leptomedusae, Phialuciidae). Dusenía 14(2): 51-53.
- NOGUEIRA, C.C., GROHMANN, P.A. & DA SILVA, V.M.A.P. 1997. Hydroids from the vicinity of a nuclear power plant site (CNAAA-Unidade I) at Angra-dos-Reis, Rio de Janeiro, southeastern Brazil. Proceedings of the VI International Conference on Coelenterate Biology, Leiden, The Netherlands: 365-369.
- NUTTING, C.C. 1900. American hydroids. Part I. The Plumulariidae. Spec. Bull. U.S. natn. Mus. 4: 1-285.
- NUTTING, C.C. 1904. American hydroids. Part I. The Sertulariidae. Spec. Bull. U.S. natn. Mus. 4: 1-325.
- OLIVEIRA, L.P.H. 1949. Relatório sobre as excursões científicas feitas a bordo do Navio Hidrográfico Rio Branco etc. Mem. Inst. Osw. Cruz 47: 87-96.
- OLIVEIRA, L.P.H. 1950. Levantamento biogeográfico da Baía de Guanabara. Mem. Inst. Osw. Cruz 48: 363-391.
- OLIVEIRA, O.M.P. 2000. História Natural de *Eudendrium glomeratum* (Cnidaria, Anthomedusae, Eudendriidae) do canal de São Sebastião, SE Brasil. Bachelorship monograph. Universidade de São Paulo, Ribeirão Preto.
- OLIVEIRA, O.M.P., MARQUES, A.C. & MIGOTTO, A.E. 2000. Morphometric patterns of two fouling *Eudendrium* spp. (Hydrozoa, Anthomedusae, Eudendriidae) from São Sebastião (SP, SE Brazil). Braz. Arch. Biol. Tech. 43(5):519-523.
- PANTIN, C.F.A. & DIAS, M.V. 1952. Rhythm and afterdischarge in medusae. An. Acad. bras. Ciênc. 24(4): 351-364.
- PARANAGUÁ, M.N. 1963. Sobre uma nova ocorrência de *Blackfordia virginica* Mayer, 1910 e *Ostrumovia inkermanica* Hadzi (1928) (Hydromedusae). Trab. Inst. oceanogr. Univ. Recife 5-6: 141-145.
- PIRES, D.O. 1985. Observações biológicas e taxonômicas em *Cladonema* sp. do Rio de Janeiro (Cnidaria, Hydroida). IN Resumos do XII Congresso Brasileiro de Zoologia. SBZ, UNICAMP, p. 10.
- PIRES, D.O., CASTRO, C.B., MIGOTTO, A.E. & MARQUES, A.C. 1992. Cnidários bentônicos do Arquipélago de Fernando de Noronha, Brasil. Bolm Mus. nac. Rio de Janeiro, Zool. 354: 1-21.
- PUGH, P.R. 1999. Siphonophorae. In South Atlantic Zooplankton (D. Boltovskoy, ed.). Backhuys Publishers, Leiden, p. 467-511.
- RAMÍREZ, F.C. & ZAMPONI, M.O. 1981. Hydromedusae. In Atlas del zooplancton del Atlántico sudoccidental y metodos de trabajo con el zooplancton marino (D. Boltovskoy, ed). INIDEP, Mar del Plata, p 443-469.
- RITCHIE, J. 1909. Supplementary report on the hydroids of the Scottish National Antarctic Expedition. Trans. R. Soc. Edinb. 47: 65-101.
- ROSSO, S. & MARQUES, A.C. 1997. Is there any conspicuous geographical pattern in intertidal hydrozoan distribution along the coast of São Paulo State, Southeastern Brazil ? Proceedings of the VI International Conference on Coelenterate Biology, Leiden, Netherlands: 415-422.
- SALLES, V. 1994. Guia do Meio Ambiente Litoral de Alagoas. Instituto do Meio Ambiente & Deutsche Gesellschaft für technische Zusammenarbeit [Projeto IMA-GTZ], Alagoas.
- SILVEIRA, FL. & BOSCOLO, H.K. 1996. Primeira ocorrência de *Cordylophora caspia* (Pallas, 1771) (Hydrozoa, Clavidae) para o Estado de São Paulo. In Resumos XIV Congresso Brasileiro de Zoologia. SBZ, Porto Alegre, p.10.
- SILVEIRA, FL. & CORNELIUS, P.F.S. 2000. Novas observações sobre medusas (Cnidaria, Scyphozoa, Rhizostomeae) no nordeste e sul do Brasil. Acta Biol. Leopold. 22(1): 9-18.
- SILVEIRA, FL., CORNELIUS, P.F.S., SCHLENZ, E., MORANDINI, A.C. & MONTEIRO, G.R.C. 1998. "Macromedusas" (Cnidaria, Scyphozoa e Cubozoa) do Canal de São Sebastião. In XIII Simpósio de Biologia Marinha. CEBIMar USP, São Sebastião, p. 66.
- SILVEIRA, FL. & MIGOTTO, A.E. 1984. *Serehyba sanctisebastiani* n.gen., n.sp. (Hydrozoa, Tubulariidae), symbiont of a gorgonian octocoral from the southeast coast of Brazil. Bijdr. Dierk. 54(2):231-242
- SILVEIRA, FL. & MIGOTTO, A.E. 1991. The variation of *Halocordyle disticha* (Cnidaria, Athecata) from the Brazilian coast: an environmental indicator species? Hydrobiologia 216/217: 437-442.
- SILVEIRA, FL. & MIGOTTO, A.E. 1992. Rediscovery of *Corymorpha januarii* Steenstrup, 1854 (Hydrozoa, Corymorphidae) on the southeastern and southern coasts of Brazil. Steenstrupia 18(4): 81-89.
- SILVEIRA, FL.; MIGOTTO, A.E. & MORANDINI, A.C. 2000. Primeira ocorrência no litoral paulista da cifomedusa *Cassiopea xamachana* Bigelow, 1892 (Rhizostomeae) através do cultivo e observações dos

- cifistomas, estróbilos, éfiras e medusas. In XV Simpósio de Biologia Marinha. CEBIMar-USP, São Sebastião, p. 66.
- SILVEIRA, F.L., MIGOTTO, A.E. & VIEITAS, C.F. 1988. *Staurocladia* Hartlaub, 1917 (Hydroida, Anthomedusae, Eleutheriidae) do infralitoral de Itaipava, ES, ocorrência nova. In Resumos do XV Congresso Brasileiro de Zoologia. SBZ, Curitiba, p 22.
- SILVEIRA, F.L. & MORANDINI, A.C. 1996. *Stephanoscyphistoma corniformis* (Komai, 1936) (Cnidaria, Scyphozoa, Coronatae) from the north coast of São Paulo, Brazil; redescription and the first record in the western South Atlantic. *Semina* 17(2):137-145.
- SILVEIRA, F.L. & MORANDINI, A.C. 1997. *Nausithoe aurea* n. sp. (Scyphozoa, Coronatae, Nausithoidae), a species with two pathways of reproduction after strobilation: sexual and asexual. *Contr. Zool.* 66(40):235-246.
- SILVEIRA, F.L. & MORANDINI, A.C. 1998a. Asexual reproduction in *Linuche unguiculata* (Swartz, 1788) (Scyphozoa: Coronatae) by planuloid formation through strobilation and segmentation. *Proc. biol. Soc. Wash.* 111(4):781-794.
- SILVEIRA, F.L. & MORANDINI, A.C. 1998b. New observations on dormancy mechanisms in *Linuche unguiculata* (Swartz, 1788) (Scyphozoa: Coronatae). *Bol. Mus. Nac., N.S., Zool.* 393:1-7, figs.1-2.
- STECHOW, E. 1912. Hydroiden der Münchener Zoologischen Staatssammlung. *Zool. Jb., Syst.* 32(4): 333-378.
- STECHOW, E. 1919. Zur Kenntis der Hydroidenfauna des Mittelmeeres, Amerikas und anderer Gebiete, nebst Angaben über einige Kirchenpauer'sche Typen von Plumulariden. *Zool. Jb., Syst.* 42(1): 1-172
- STEENSTRUP, J.J.S. 1854. En ny og tropisk Art af Smaagoplernes Ammeslaegt: *Corymorpha* Sars (Corym. Januarii Stp). *Vidensk. Meddr. danks maturh. Foren.* 1-3: 46-48.
- THIEL, M.E. 1935. Die Bezedlung der Südatlantischen Oceans mit Hydromedusen. *Wiss. Erg. dt. Atl. Exped. Meteor* 12(2): 32-100.
- THIEL, M.E. 1938. Die Leptolinae der "Meteor" Expedition in systematischer Betrachtung (I. Anthomedusae). *Zool. Anz.* 121: 289-303.
- TOTTON, A.K. 1926. Note on a rare Atlantic hydroid. *Ann. Mag. nat. Hist.* 9: 210-212.
- TRONOLONE, V.B. 2001 Hidromedusas (Cnidaria, Hydrozoa) do canal de São Sebastião, SP. MSc. Dissertation, Universidade de São Paulo, São Paulo.
- VANHÖFFEN, E. 1888. Untersuchungen über semästome und rhizostome Medusen. *Biblioth. Zool.* 1(3): 52p.
- VANHÖFFEN, E. 1908. Die Lucernariden und Skyphomedusen der Deustschen Südpolar-Expedition 1901-1903. *Dtsch Südpolar-Exped.* 10 (Zoologie 2): 25-49.
- VANHÖFFEN, E. 1913. Die Craspedoten Medusen des "Vetor Pisani". *Zoologica* 67:1-34.
- VANNUCCI-MENDES, M. 1944. Sôbre a larva de *Dibothriorhynchus dinoi*, sp. n. parasita dos Rhizostomata. (Cestoda Tetrarhynchidea). *Arq. Mus. Paran.* 4: 47-82.
- VANNUCCI-MENDES, M. 1946. Hydroida Thecaphora do Brasil. *Arq. Zool. Estado São Paulo* 4: 535-538.
- VANNUCCI-MENDES, M. 1948. On *Vallentinia gabriellae*, n. sp. (Limnomedusae). *Bolm Fac. Filos. Ciênc. Univ. S Paulo, Zool.* 13: 73-91.
- VANNUCCI, M. 1949. Hydrozoa do Brasil. *Bolm Fac. Filos. Ciênc. Univ. S Paulo* 99(14): 219-266.
- VANNUCCI, M. 1950. Resultados científicos do Cruzeiro do "Baependi" e do "Vega" a Ilha da Trindade. Hydrozoa. *Bolm Inst. oceanogr., S Paulo* 1(1): 81-96.
- VANNUCCI, M. 1951a. Hydrozoa e Scyphozoa existentes no Instituto Paulista de Oceanografia. I. *Bolm Inst. oceanogr., S Paulo* 2(1): 67-98.
- VANNUCCI, M. 1951b. Distribuição dos Hidrozoo até agora conhecidos nas costas do Brasil. *Bolm Inst. oceanogr., S Paulo* 2(1): 105-124.
- VANNUCCI, M. 1954. Hydrozoa e Scyphozoa existentes no Instituto Oceanográfico. II. *Bolm Inst. oceanogr., S Paulo* 5(1-2): 95-149.
- VANNUCCI, M. 1956. Biological notes and description of a new species of *Dipurena* (Hydrozoa, Corynidae). *Proc. Zool. Soc. Lond.* 127:479-487.
- VANNUCCI, M. 1957a. On brazilian hydromedusae and their distribution in relation to different water masses. *Bolm Inst. oceanogr., S Paulo* 8(1-2): 23-109.
- VANNUCCI, M. 1957b. Distribuição de Scyphozoa nas costas do Brasil. *An. acad. bras. Ciênc.* 29(4): 593-598.
- VANNUCCI, M. 1960. On the young stage of *Eucheilota duodecimalis* (Leptomedusae). *An. acad. bras. Ciênc.* 32(3/4): 395-397.
- VANNUCCI, M. 1963. On the ecology of Brazilian Medusae at 25° lat. S. *Bolm Inst. oceanogr., S Paulo* 13(1):143-184.
- VANNUCCI, M. & MOREIRA, G.S. 1966. New species and new record of Anthomedusae from southern Brazil. *Bolm. Inst. oceanogr., S Paulo* 15: 85-90.
- VANNUCCI, M. & REES, W.J. 1961. A revision of the genus *Bougainvillia* (Anthomedusae). *Bolm Inst. oceanogr., S Paulo* 11(2): 57-100.
- VANNUCCI, M. & RIBEIRO, L.C. 1955. O ciclo reprodutivo de *Clytia cylindrica* L. Agass., 1862 (Hydrozoa: Campanulariidae). *Dusenica* 6(3/4): 69-80.
- VERRILL, A.E. 1868. Notes on Radiata in the Museum of Yale College, with descriptions of new genera and species. 4. Notice of corals and echinoderms collected by C. F. Hartt, at the Abrolhos Reefs, Province of Bahia, Brazil, 1867. *Trans. Conn. Acad. Arts Sci., New Haven* 1: 351-371.
- VERVOORT, W. 1946. Exotic hydroids in the collections of the Rijksmuseum van Natuurlijke Historie and the Zoological Museum at Amsterdam. *Zool. Meded.,*

Leiden 26 (1-4): 287-351.
WEERDT, W.H. 1984. Taxonomic characters in Caribbean
Millepora species (Hydrozoa, Coelenterata). Bijdr.
Dierk. 54(2): 243-262.

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Table 1. Species of Medusozoa recorded from Brazilian waters. See abbreviations in the text

Species	Region	State	Reference	Stage
Class Hydrozoa				
Subclass Anthomedusae				
Order Capitata				
Family Asyncorynidae				
<i>Asyncoryne ryniensis</i> Warren, 1908	SE	SP	Migotto 1996	P/M
Family Cladocorynidae				
<i>Cladocoryne floccosa</i> Rotch, 1871	SE, NE	SP, ES, PE	Migotto 1996, Grohmann et al. 1997, Calder & Mañal 1998	P
Family Cladonematidae				
<i>Cladonema radiatum</i> Dujardin, 1843	SE	SP	Migotto 1996	P/M
<i>Cladonema</i> sp.	SE	RJ	Pires 1985	P/M
Family Cladosarsiidae				
<i>Cladosarsiidae</i> sp. indet. 1	SE	SP	Tronolone 2001	M
Family Corymorphidae				
<i>Corymorpha forbesi</i> (Mayer, 1894)	S, SE	RS, RJ	Navas-Pereira 1980 1981	M
<i>Corymorpha furcata</i> (Kramp, 1948)	S, SE, NE	no specific record	Ramirez & Zamponi 1981	M
<i>Corymorpha gracilis</i> (Brooks, 1882)	S, SE	RS, SP, RJ	Vannucci 1957a 1963, Moreira 1973, Goy 1979, Navas-Pereira 1980 1981, Tronolone 2001	M
<i>Corymorpha januarii</i> Steenstrup, 1854	S, SE	SC, SP, RJ	Steenstrup 1854, Silveira & Migotto 1992, Tronolone 2001	P/M
<i>Eucodonium brownei</i> Hartlaub, 1907	S, SE	no specific record	Vannucci 1957a 1963, Moreira 1973	M
Family Corynidae				
<i>Coryne pusilla</i> Gaertner, 1774	S, SE	PR, RJ, ES	Haddad 1992, Grohmann et al. 1997, ?Nogueira et al. 1997	P
<i>Dicodonium punctatum</i> Vanhöffen, 1911	N	no specific record	Kramp 1961	M
<i>Dipurena reesi</i> Vannucci, 1956	SE	SP, ES	Vannucci 1956, Moreira et al. 1978, Grohmann et al. 1997, Migotto et al. 2001	P/M
<i>Dipurena</i> sp.	SE	SP	Tronolone 2001	M
<i>Nannocoryne mammylia</i> Bouillon & Grohmann, 1994	SE	RJ	Bouillon & Grohmann 1994	P
<i>Sarsia eximia</i> Allman, 1859	SE	SP	Vannucci 1957a	M
<i>Sarsia japonica</i> (Nagao, 1962)	SE	SP	Migotto 1996	P/M
<i>Sarsia producta</i> (Wright, 1858)	SE	SP	Vannucci 1949	P
Family Eleutheriidae				
<i>Staurocladia</i> sp.	SE	ES	Silveira et al. 1988	M
Family Euphysidae				
<i>Pinushydra chiquitita</i> Bouillon & Grohmann, 1990	SE	RJ	Bouillon & Grohmann 1990	P
Family Milleporidae				
<i>Millepora alcicornis</i> Linnaeus, 1758	SE, NE	RJ - PI, FN, AR	Hartt, 1869, Branner, 1904, Laborel 1969a,b, Eston et al. 1986, Pires et al. 1992, Hetzel & Castro 1994, Castro et al. 1995, Amaral 1997, Amaral et al. 1997, Echeverría et al. 1997, Calder & Mañal 1998, Kelmo & de Santa-Isabel 1998, Castro & Segal, 2001, Castro & Pires, 2001	P

<i>Millepora braziliensis</i> Verrill, 1868	SE, NE	ES - RN, AR	Laborel 1969a b, Hetzel & Castro 1994, Amaral 1997, Amaral et al. 1997, Echeverría et al. 1997, Hudson et al. 1999, Castro & Segal, 2001, Castro & Pires, 2001	P
<i>Millepora nitida</i> Verrill, 1868	NE	BA, AL	Verrill 1868, Laborel 1969a, Hetzel & Castro 1994, Amaral 1997, Castro & Segal, 2001, Castro & Pires, 2001	P
<i>Millepora</i> sp.1	NE	BA, PA	Amaral 1997	P
<i>Millepora</i> sp.2	NE	MA	Amaral 1997, Moura et al. 1999, Castro & Pires, 2001	P
<i>Millepora squarrosa</i> Lamarck, 1816	NE	PE, BA	Laborel 1969b, Weerdt 1984, Amaral 1997, Castro & Pires, 2001	P
Family Moerisiidae				
<i>Moerisia inkermanica</i> Paltschikowa-Ostroumova, 1925	NE	PE	Paranaguá 1963, Ramirez & Zamponi 1981	M
Family Pennariidae				
<i>Pennaria disticha</i> Goldfuss, 1820	S, SE, NE	SC - BA, FN	Silveira & Migotto 1991, Migotto 1996, Grohmann et al. 1997, Rosso & Marques 1997, Calder & Maýal 1998, Kelmo & de Santa-Isabel 1998	P
Family Porpitidae				
<i>Porpita umbella</i> F. Müller, 1776	SE, NE	SP, BA	Alvariño 1971; Kelmo & de Santa-Isabel 1998	P
<i>Velella velella</i> Linnaeus, 1758	SE, NE	SP, FN	Alvariño 1971	P
Family Solanderiidae				
<i>Solanderia gracilis</i> Duchassaing & Michelin, 1846	NE	BA	Belém et al. 1982	P
Family Sphaerocorynidae				
<i>Sphaerocoryne arcuata</i> (Haeckel, 1879)	no specific record	no specific record	Vannucci 1951b	M
<i>Sphaerocoryne</i> sp.	SE	ES	Grohmann et al. 1997	P
Family Tubulariidae				
<i>Ectopleura dumortierii</i> (Van Beneden, 1844)	S, SE	RS - RJ	Vannucci 1957a 1963, Moreira 1973, Navas-Pereira 1980 1981, Migotto & Silveira 1987, Migotto 1996, Tronolone 2001	P/M
<i>Ectopleura obypa</i> Migotto & Marques, 1999	SE	SP	Migotto & Marques 1999a	P/M
<i>Pinauay ralphi</i> (Bale, 1884)	S, SE	RS - ES	Migotto & Silveira 1987, Haddad 1992, Migotto 1996, Grohmann et al. 1997, Rosso & Marques 1997, Migotto et al. 2001	P
<i>Ralpharia sanctisebastiani</i> (Silveira & Migotto, 1984)	SE	SP	Silveira & Migotto 1984, Migotto & Silveira 1987	P
<i>Tubularia formosa</i> Hartlaub, 1905	SE	RJ	?Stechow 1912	P
<i>Zyzyzus warreni</i> Calder, 1988	SE, NE	SP, PE	Migotto & Silveira 1987, Migotto 1996, Calder & Maýal 1998, Migotto et al. 2001	P
Family Zancleidae				
<i>Zanclea costata</i> Gegenbaur, 1856	S, SE	RS, SP - ES	Vannucci 1957a, Navas-Pereira 1981 1984a, Migotto 1996	P/M
<i>Zanclea</i> sp.	SE	ES	Grohmann et al. 1997	P
Family Zancleopsidae				
<i>Zancleopsis dichotoma</i> (Mayer, 1900)	SE	RJ	Navas-Pereira 1980	M
Order Filifera				
Family Bougainvilliidae				
<i>Bimeria</i> sp.	SE	SP	Rosso & Marques 1997	P

<i>Bimeria vestita</i> Wright, 1859	SE, NE	SP, ES, BA	Migotto 1996, Grohmann et al. 1997, Rosso & Marques 1997, Kelmo & de Santa-Isabel 1998	P
<i>Bougainvillia carolinensis</i> (McCrary, 1859)	SE	SP	Vannucci 1951a, Vannucci & Rees 1961, Tronolone 2001	M
<i>Bougainvillia frondosa</i> Mayer, 1900	S, SE, NE	RS, SC, SP, (no specific record for NE region)	Moreira 1973, Goy 1979, Navas-Pereira 1981	M
<i>Bougainvillia muscus</i> (Allman, 1863)	S, SE, NE	PR - RJ, (no specific record for NE region)	Vannucci 1957a 1963, Vannucci & Rees 1961, Moreira 1973, Goy 1979, Navas-Pereira 1980, Haddad 1992	M
<i>Bougainvillia niobe</i> Mayer, 1894	S, SE, NE	no specific record	Ramirez & Zamponi 1981	M
<i>Bougainvillia platygaster</i> (Haeckel, 1879)	SE, NE	TRI, AL, PE	Kramp 1957	M
<i>Bougainvillia rugosa</i> Clarke, 1882	SE	SP, RJ	Migotto 1996, ?Nogueira et al. 1997	P/M
<i>Bougainvillia</i> sp.	SE	SP	Rosso & Marques 1997, Migotto et al. 2001	P
<i>Bougainvillia trinema</i> (von Lendenfeld, 1884)	SE	SC	Correia 1985	M
<i>Garveia franciscana</i> (Torrey, 1902)	NE	PE	Calder & Mañal 1998	P
<i>Parawrightia robusta</i> Warren, 1907	SE, NE	SP, ES, BA	Grohmann et al. 1997, Kelmo & de Santa-Isabel 1998, Migotto (unpublished data)	P
<i>Rhizorhagium</i> sp.	S	PR	Haddad 1992	P
<i>Thamnostoma tetrellum</i> (Haeckel, 1879)	NE	no specific record	Vannucci 1951a, Goy 1979	M
Family Calycopsidae				
Calycopsidae sp. indet. 1	SE	SP	Tronolone 2001	M
<i>Calycopsis borchgrevinki</i> (Browne, 1910)	S, SE, NE	no specific record	Ramirez & Zamponi 1981	M
<i>Heterotiara anonyma</i> Maas, 1905	S, SE, NE	no specific record	Ramirez & Zamponi 1981	M
Family Clavidae				
Clavidae sp. indet. 1	SE	SP	Migotto et al. 2001	P
<i>Cordylphora caspia</i> (Pallas, 1771)	S, SE	PR, SP	Haddad & Nakatani 1996, Silveira & Boscolo 1996	P
<i>Corydendrium parasiticum</i> (Linnaeus, 1767)	SE, NE	SP, PE	Migotto 1996, Calder & Mañal 1998	P
<i>Rhizodendrium sterreri</i> Calder, 1988	NE	BA	Kelmo & de Santa-Isabel 1998	P
<i>Tubiclava</i> sp.	SE	RJ	Nogueira et al. 1997	P
<i>Turritopsis nutricula</i> McCrary, 1857	S, SE, NE	RS, SP - BA, PE	Vannucci 1963, Moreira 1973, Goy 1979, Navas-Pereira 1981, Migotto 1996, Grohmann et al. 1997, Rosso & Marques 1997, Calder & Mañal 1998, Kelmo & de Santa-Isabel 1998, Migotto et al. 2001, Tronolone 2001	P/M
Family Cytaeidae				
<i>Cytaeis tetrastyla</i> Eschscholtz, 1829	S, SE, NE	RS, SP, PE	Kramp 1957, Vannucci 1957a 1963, Moreira 1973, Goy 1979, Navas-Pereira 1981, Tronolone 2001	M
Family Eudendriidae				
<i>Eudendrium capillare</i> Alder, 1856	SE, NE	SP, BA, PE	Vannucci 1954, Marques 1993 2001, Kelmo & de Santa-Isabel 1998	P

<i>Eudendrium carneum</i> Clarke, 1882	S, SE, NE	SC, SP - BA, PE, FN	Vannucci 1954, Eston et al. 1986, Pires et al. 1992, Marques 1993 2001, Marques & Moretzsohn 1995, Grohmann et al. 1997, Nogueira et al. 1997, Rosso & Marques 1997, Calder & Mañal 1998, Kelmo & de Santa-Isabel 1998, Oliveira 2000, Oliveira et al. 2000	P
<i>Eudendrium fragile</i> Motz-Kossowska, 1905	SE	ES	?Grohmann et al. 1997	P
<i>Eudendrium glomeratum</i> Picard, 1951	SE	SP	Marques 1993 2001, Rosso & Marques 1997, Oliveira 2000, Oliveira et al. 2000, Migotto et al. 2001	P
<i>Eudendrium merulum</i> Watson, 1985	S	SC	?Marques 1993 2001	P
<i>Eudendrium nambuccense</i> Watson, 1985	SE	RJ	Marques 1993 2001, Nogueira et al. 1997	P
<i>Eudendrium pocaruquarum</i> Marques, 1995	SE	SP	Marques 1995 2001, Rosso & Marques 1997	P
<i>Eudendrium ramosum</i> (Linnaeus, 1758)	SE	SP, ES	Marques 1993 1995 2001, Grohmann et al. 1997, Rosso & Marques 1997	P
<i>Eudendrium</i> sp.	S, SE	RS, RJ	Nogueira et al. 1997, Horta et al. 2001	P
Family Hydractiniidae				
<i>Hydractinia minima</i> (Trinci, 1903)	SE	SP, RJ	Vannucci 1957a 1963, Navas-Pereira 1980, Tronolone 2001	M
<i>Hydractinia minuta</i> (Mayer, 1900)	SE	SP	Tronolone 2001	M
<i>Stylactaria hooperii</i> (Sigerfoos, 1899)	SE	SP	Moreira et al. 1979, Migotto 1996	P/M
<i>Stylactaria</i> sp.	SE, NE	SP, PE	Migotto 1996, Calder & Mañal 1998	P
Family Niobiidae				
<i>Niobia dendrotentaculata</i> Mayer, 1900	S	RS	Goy 1979	M
Family Pandeidae				
<i>Amphinema australis</i> (Mayer, 1900)	SE	RJ	Navas-Pereira 1980	M
<i>Amphinema dinema</i> (Péron & Lesueur, 1809)	S, SE	RS, SP, ES	Vannucci 1957a 1963, Goy 1979, Navas-Pereira 1981, Grohmann et al. 1997	P/M
<i>Amphinema rugosum</i> (Mayer, 1900)	SE	SP	Migotto 1996	P/M
<i>Amphinema</i> sp.	SE	SP	Tronolone 2001	M
<i>Annatiara affinis</i> (Hartlaub, 1913)	S	RS	Navas-Pereira 1981	M
<i>Cirrhitiara superba</i> (Mayer, 1900)	S, NE	RS, (no specific record for NE region)	Thiel 1938, Navas-Pereira 1981, Ramirez & Zamponi 1981	M
<i>Leuckartiara octona</i> (Fleming, 1823)	S, SE	RS, SP, ES	Navas-Pereira 1981, Migotto 1996, Grohmann et al. 1997, Tronolone 2001	P/M
<i>Merga tergestina</i> (Neppi & Stiasny, 1911)	S, SE	RS, SP	Moreira 1973, Navas-Pereira 1981	M
<i>Merga violacea</i> (Agassiz & Mayer, 1899)	NE	BA	Goy 1979	M
<i>Pandea conica</i> (Quoy & Gaimard, 1827)	S, SE, NE	no specific record	Ramirez & Zamponi 1981	M
Family Proboscidiactylidae				
<i>Proboscidiactyla ornata</i> (McCrary, 1859)	S, SE, NE	RS - RJ, AL	Vannucci 1957a 1963, Moreira 1973, Navas-Pereira 1981, Tronolone 2001	M
<i>Proboscidiactyla</i> sp.	SE	SP	Tronolone 2001	M
Family Protiridae				
<i>Halitiara formosa</i> Fewkes, 1882	SE	SP	Tronolone 2001	M
Family Rhysiidae				
<i>Rhysia</i> sp.	SE	ES	Grohmann et al. 1997	P
Family Stylasteridae				
<i>Stylaster roseus</i> (Pallas, 1766)	NE	PE, FN, MA	Laborel 1969a b, Pires et al. 1992, Hudson et al. 1999	P

Subclass Leptomedusae				
Order Conica				
Family Aequoreidae				
<i>Aequorea forskalea</i> Péron & Lesueur, 1810	S, NE	RS, BA, PE	Goy 1979, Navas-Pereira 1981	M
<i>Rhacostoma atlantica</i> L. Agassiz, 1850	S, SE	RS, SP	Moreira 1973, Goy 1979, Navas-Pereira 1981, Tronolone 2001	M
Aequoridae sp. indet. 1	SE	SP	Migotto et al. 2001, Tronolone 2001	P/M
Family Aglaopheniidae				
<i>Aglaophenia calamus</i> Allman, 1883	NE	BA	?Allman 1883	P
<i>Aglaophenia dubia</i> Nutting, 1900	NE	BA	Ritchie 1909	P
<i>Aglaophenia insignis</i> Fewkes, 1881	NE	PE	Maýal 1983	P
<i>Aglaophenia latecarinata</i> Allman, 1887	S, SE, NE	SC - BA, FN	Nutting 1900, Ritchie 1909, Vervoort 1946, Vannucci Mendes 1946, Vannucci 1949 1951a, Maýal 1983, Pires et al. 1992, Migotto 1996, Grohmann et al. 1997, Nogueira et al. 1997, Rosso & Marques 1997, Haddad et al. 2000, Andrade 2001	P
<i>Aglaophenia latirostris</i> Nutting, 1900	BR	no specific record	?Nutting 1900	P
<i>Aglaophenia perforata</i> Allman, 1885	SE	ES	Vannucci 1951a	P
<i>Aglaophenia rhynchocarpa</i> Allman, 1877	NE	BA	Nutting 1900	P
<i>Aglaophenia rigida</i> Allman, 1887	SE	SP, RJ	Vannucci 1950 1954	P
<i>Gymnangium allmani</i> (Marktanner-Turneretscher, 1890)	SE	RJ	Nogueira et al. 1997	P
<i>Gymnangium longicaudum</i> (Nutting, 1900)	NE	BA	Ritchie 1909	P
<i>Lytocarpia tridentata</i> (Versluys, 1889)	SE, NE	SP, RJ, PE	Totton 1926, Vannucci Mendes 1946, Vannucci 1951a, Migotto 1996, Rosso & Marques 1997	P
<i>Macrorhynchia allmani</i> (Nutting, 1900)	NE	BA	Ritchie 1909	P
<i>Macrorhynchia philippina</i> (Kirchenpauer, 1872)	SE, NE	SP, RJ, BA, PE	Nutting 1900, Vannucci Mendes 1946, Vannucci 1949 1954, Migotto 1996, Grohmann et al. 1997, Nogueira et al. 1997, Calder & Maýal 1998	P
<i>Macrorhynchia racemifera</i> (Allman, 1883)	NE	BA	Allman 1883, Marques & Moretzsohn 1995	P
<i>Thecocarpus laxus</i> Billard, 1913	SE	RJ	?Vannucci 1950	P
Family Blackfordiidae				
<i>Blackfordia virginica</i> Mayer, 1910	NE	PE	Paranaguá 1963	M
Family Campanulinidae				
<i>Calycella gabriellae</i> Vannucci, 1951a	SE	SP, ES	Vannucci 1951a, Grohmann et al. 1997	P
Campanulinidae sp. indet. 1	SE	SP	Migotto et al. 2001	P
<i>Cuspidella humilis</i> (Hincks, 1868)	SE	RJ	Vannucci 1949	P
<i>Cuspidella</i> sp.	SE	SP	Migotto et al. 2001	
<i>Lafoeina amirantensis</i> Millard & Bouillon, 1973	SE, NE	RJ, PE	Nogueira et al. 1997, Calder & Maýal 1998	P
<i>Tetracanna octonema</i> Goy, 1979	NE	AL	Goy 1979	M
Family Cirrholoveniidae				
<i>Cirrholovenia tetranema</i> Kramp, 1959	S, SE, NE	RS, SP (no specific record for NE region)	Moreira 1975, Goy 1979, Navas-Pereira 1981, Tronolone 2001	M
Family Dipleurosomatidae				
<i>Dipleurosoma collapsum</i> (Mayer, 1900)	NE	PE	Goy 1979	M
Family Eirenidae				
<i>Eirene viridula</i> (Péron & Lesueur, 1809)	N	PA	Alvarinho 1968	M
<i>Eutima coerulea</i> (L. Agassiz, 1862)	S	RS	Navas-Pereira 1981	M

<i>Eutima mira</i> McCrady, 1857	NE	AL, FN	Vannucci 1957a, Goy 1979	M
<i>Eutima sapinhua</i> Narchi & Hebling, 1975	SE	SP	Narchi & Hebling 1975	P/M
<i>Eutonina scintillans</i> (Bigelow, 1909)	NE	BA	Goy 1979	M
<i>Irenium teuscheri</i> Haeckel, 1879	NE	no specific record	Goy 1979	M
<i>Phialopsis diegensis</i> Torrey, 1909	S	RS	Navas-Pereira 1981	M
Family Eucheilotidae				
<i>Eucheilota duodecimalis</i> (A. Agassiz, 1882)	S, SE	RS, SP, RJ	Vannucci 1960 1963, Moreira 1973, Navas Pereira 1980 1981, Tronolone 2001	M
<i>Eucheilota maculata</i> Hartlaub, 1894	SE	SP	Tronolone 2001	M
<i>Eucheilota paradoxa</i> Mayer, 1900	SE	SP, RJ	Vannucci 1963, Navas-Pereira 1980, Tronolone 2001	M
<i>Eucheilota ventricularis</i> McCrady, 1859	SE	SP	Vannucci 1957a 1963	M
Family Haleciidae				
Haleciidae sp. indet. 1	SE	SP	Migotto et al. 2001	P
<i>Halecium bermudense</i> Congdon, 1907	SE, NE	SP - ES, PE	Vannucci 1949, Migotto 1996, Calder & Mañal 1998	P
<i>Halecium delicatulum</i> Coughtrey, 1876	SE	SP	Migotto 1996	P
<i>Halecium dichotomum</i> Allman, 1888	SE	SP - ES	Migotto 1996, Grohmann et al. 1997, Nogueira et al. 1997	P
<i>Halecium dyssymetrum</i> Billard, 1929	SE	SP, ES	Migotto 1996, Grohmann et al. 1997, Rosso & Marques 1997	P
<i>Halecium lightbourni</i> Calder, 1991	SE	RJ, ES	Grohmann et al. 1997, Nogueira et al. 1997	P
<i>Halecium</i> sp I	NE	PE	Calder & Mañal 1998	P
<i>Halecium tenellum</i> Hincks, 1861	SE, NE	SP, PE	Migotto 1996, Calder & Mañal 1998	P
<i>Hydranthea margarica</i> (Hincks, 1863)	SE	ES	Grohmann et al. 1997	P
<i>Nemalcium lighi</i> (Hargitt, 1924)	SE	SP - ES	Migotto 1996, Grohmann et al. 1997, Nogueira et al. 1997, Gravier-Bonnet & Migotto 2000, Migotto et al. 2001, Marques et al. 2002	P
<i>Ophiidissa</i> sp.	SE	SP	Migotto 1996	P
Family Halopterididae				
<i>Halopteris alternata</i> (Nutting, 1900)	SE, NE	SP - ES, FN	Vannucci Mendes 1946, Migotto 1996	P
<i>Halopteris carinata</i> Allman, 1877	NE	PE	Calder & Mañal 1998	P
<i>Halopteris diaphana</i> (Heller, 1868)	S, SE	RS, SP, ES	Migotto 1996, Grohmann et al. 1997, Nogueira et al. 1997, Rosso & Marques 1997, Horta et al. 2001	P
<i>Halopteris polymorpha</i> (Billard, 1913)	SE	SP	Migotto 1996	P
<i>Monastaechna quadridens</i> (McCrady, 1859)	SE, NE	SP - BA	Ritchie 1909, Vannucci 1949 1950, Migotto 1996	P
<i>Schizotricha tenella</i> (Verrill, 1874)	NE	PE	Calder & Mañal 1998	P
Family Kirchenpaueriidae				
<i>Pycnotheca mirabilis</i> (Allman, 1888)	SE	SP, RJ	Vannucci Mendes 1946, Vannucci 1950	P
<i>Ventromma halecioides</i> (Alder, 1859)	SE, NE	SP - ES, PE	Vannucci Mendes 1946, Vannucci 1949, Migotto 1996, Grohmann et al. 1997, Nogueira et al. 1997, Rosso & Marques 1997, Calder & Mañal 1998	P
Family Lafoeidae				
<i>Filellum serratum</i> (Clarke, 1879)	SE	RJ, ES	Grohmann et al. 1997, Nogueira et al. 1997	P
<i>Hebella furax</i> Millard, 1957	SE	SP	Andrade & Migotto 1996, Migotto & Andrade 2000	P/M
<i>Hebella scandens</i> (Bale, 1888)	S, SE	PR - ES	Jäderholm 1903, Vannucci 1949 1950, Haddad 1992, Migotto 1996, Andrade & Migotto 1997, Grohmann et al. 1997, Nogueira et al. 1997, Rosso & Marques 1997	P/M

<i>Hebella</i> sp.	SE	ES	Grohmann et al. 1997	P
<i>Hebellopsis communis</i> Calder, 1991	SE	SP - ES	?Vannucci 1949 1950 1951a 1954	P
<i>Scandia mutabilis</i> (Ritchie, 1907)	SE	SP	Migotto 1996	P
Family Laodiceidae				
<i>Laodicea minuscula</i> Vannucci, 1957	SE	SP, RJ	Vannucci 1957a 1963, Moreira 1973	M
<i>Laodicea undulata</i> (Forbes & Goodsir, 1851)	S, NE	RS, BA, PE	Kramp 1957, Goy 1979, Navas-Pereira 1981	M
Family Lovenellidae				
<i>Lovenella cirrata</i> (Haeckel, 1879)	SE, N	PA (no specific record for SE region)	Thiel 1938, Vannucci 1957a	M
Family Malagazziidae				
<i>Malagazzia carolinae</i> (Mayer, 1900)	S, SE	RS, RJ	Navas-Pereira 1980 1981 1984b	M
Malagazziidae sp. indet. 1	SE	SP	Tronolone 2001	M
<i>Octacanna haeckeli</i> Vannucci & Moreira, 1966	SE	SP	Vannucci & Moreira 1966	M
<i>Octophialucium bigelowi</i> Kramp, 1955	SE, NE	SP, AL	Vannucci & Moreira 1966, Goy 1979, Tronolone 2001	M
Family Mitrocomidae				
<i>Cosmetirella davisi</i> (Browne, 1902)	S	RS	Navas-Pereira 1981	M
<i>Mitrocomella brownei</i> (Kramp, 1930)	S	RS	Navas-Pereira 1981	M
Family Plumulariidae				
<i>Dentitheca bidentata</i> Jäderholm, 1920	SE, NE	SP - ES, AL, PE	Jäderholm 1920, Migotto 1997, Grohmann et al. 1997, Nogueira et al. 1997, Migotto & Marques 1999b	P
<i>Monothea margaretta</i> Nutting, 1900	S, SE, NE	SC - ES, PE	Vannucci Mendes 1946, Vannucci 1949 1950 1951a, Haddad 1992, Migotto 1996, Grohmann et al. 1997, Nogueira et al. 1997, Rosso & Marques 1997, Calder & Maýal 1998, Haddad et al. 2000	P
<i>Plumularia floridana</i> Nutting, 1900	SE, NE	SP - ES, PE	Vannucci Mendes 1946, Vannucci 1949, Migotto 1996, Grohmann et al. 1997, Rosso & Marques 1997, Calder & Maýal 1998	P
<i>Plumularia obliqua</i> (Johnston, 1847)	SE	RJ	Nogueira et al. 1997	P
<i>Plumularia setacea</i> (Linnaeus, 1758)	SE	SP - ES	Vannucci Mendes 1946, Vannucci 1949 1950, Grohmann et al. 1997, Nogueira et al. 1997	P
<i>Plumularia strictocarpa</i> Pictet, 1893	SE	SP - ES	Vannucci 1949, Migotto 1996, Migotto et al. 2001	P
<i>Plumularia strobilophora</i> Billard, 1913	SE	ES	Vannucci 1951a	P
Family Sertulariidae				
<i>Amphisbetia operculata</i> (Linnaeus, 1758)	SE	RJ	?Vannucci 1954	P
<i>Calamphora campanulata</i> (Warren, 1908)	SE	ES	Grohmann et al. 1997	P
<i>Diphasia digitalis</i> (Busk, 1852)	SE, NE	SP, ES, BA, PE	Allman 1888, Vannucci 1949, Maýal 1983, Calder & Maýal 1998	P
<i>Diphasia tropica</i> Nutting, 1904	SE	SP - ES	Vannucci 1949, Migotto 1996, Grohmann et al. 1997, Nogueira et al. 1997	P
<i>Dynamena crisioides</i> Lamouroux, 1824	SE, NE	SP - BA, PE, FN	Nutting 1904, Vannucci Mendes 1946, Vannucci 1949 1954, Haddad 1992, Pires et al. 1992, Migotto 1996, Grohmann et al. 1997, Rosso & Marques 1997, Calder & Maýal 1998	P
<i>Dynamena dalmasi</i> (Versluys, 1899)	SE, NE	SP, BA	Ritchie 1909, Migotto 1996	P

<i>Dynamena disticha</i> (Bosc, 1802)	S, SE, NE	RS - BA, PE, FN	Ritchie 1909, Vannucci Mendes 1946, Vannucci 1949 1950 1951a, Pires et al. 1992, Migotto 1996, Grohmann et al. 1997, Nogueira et al. 1997, Rosso & Marques 1997, Calder & Maÿal 1998, Haddad et al. 2000, Horta et al. 2001	P
<i>Dynamena quadridentata</i> (Ellis & Solander, 1786)	SE, NE	SP - BA	Vannucci Mendes 1946, Vannucci 1949 1950 1951a, Migotto 1996, Grohmann et al. 1997, Nogueira et al. 1997	P
<i>Idiellana pristiis</i> (Lamouroux, 1816)	SE, NE	SP, BA	Allman 1888, Vervoort 1946, Vannucci Mendes 1946, Migotto 1996, Rosso & Marques 1997	P
<i>Sertularella areyi</i> Nutting, 1904	SE	ES	Vannucci 1949	P
<i>Sertularella conica</i> (Allman, 1877)	S, SE	RS, SP - ES	Nutting 1904, Jäderholm 1903, Vannucci Mendes 1946, Vannucci 1949 1950, Migotto 1996, Grohmann et al. 1997, Horta et al. 2001	P
<i>Sertularella cylindricheca</i> (Allman, 1888)	SE, NE	SP, ES, BA, PE, FN	Allman 1888, Maÿal 1983, Pires et al. 1992, Migotto 1996, Grohmann et al. 1997	P
<i>Sertularella diaphana</i> (Allman, 1885)	NE	BA, PE, FN	Allman 1888, Nutting 1904, Vannucci 1951b, Pires et al. 1992	P
<i>Sertularella moluccana</i> (von Campenhausen, 1896)	SE	SP	Vannucci Mendes 1946	P
<i>Sertularia distans</i> (Lamouroux, 1816)	S, SE, NE	SC - BA, PE, FN	Ritchie 1909, Vannucci Mendes 1946, Vannucci 1949 1950, Maÿal 1983, Haddad 1992, Pires et al. 1992, Migotto 1996, Grohmann et al. 1997, Nogueira et al. 1997, Rosso & Marques 1997, Calder & Maÿal 1998, Haddad et al. 2000	P
<i>Sertularia loculosa</i> Busk, 1852	SE	SP - ES	Vannucci Mendes 1946, Vannucci 1949, Migotto 1996, Grohmann et al. 1997, Nogueira et al. 1997	P
<i>Sertularia marginata</i> Kirchenpauer, 1864	S, SE, NE	PR - BA, PE, FN	Allman 1888, Vannucci Mendes 1946, Vannucci 1949 1950 1951a 1954, Haddad 1992, Pires et al. 1992, Migotto 1996 1998, Grohmann et al. 1997, Nogueira et al. 1997, Rosso & Marques 1997	P
<i>Sertularia notabilis</i> Fraser, 1947	SE	SP, ES	Migotto & Vervoort 1998	P
<i>Sertularia perpusilla</i> Stechow, 1911	SE	RJ	?Vannucci 1951a	P
<i>Sertularia rugosissima</i> Thornely, 1904	S, SE, NE	PR - ES (no specific record for NE region)	Vannucci Mendes 1946, Vannucci 1954, Migotto 1996, Grohmann et al. 1997, Nogueira et al. 1997, Rosso & Marques 1997	P
<i>Sertularia turbinata</i> (Lamouroux, 1816)	S, SE, NE	PR - ES, PE	Vannucci Mendes 1946, Vannucci 1949, Maÿal 1983, Migotto 1996, Grohmann et al. 1997, Nogueira et al. 1997, Rosso & Marques 1997	P
<i>Sertularia vervoorti</i> Migotto & Calder, 1998	SE	ES	Migotto & Calder 1998	P
<i>Thyroscyphus marginatus</i> (Allman, 1877)	SE	RJ, ES	Vannucci 1949 1950 1951a, Maÿal 1983	P
<i>Thyroscyphus ramosus</i> Allman, 1877	SE, NE	SP, RJ, BA, PE	Allman 1888, Migotto 1996, Nogueira et al. 1997, Rosso & Marques 1997, Calder & Maÿal 1998	P
<i>Thyroscyphus torresii</i> (Busk, 1852)	NE	PE	Maÿal 1983	P
<i>Thyroscyphus vitiensis</i> Marktanner, 1890	NE	PE	Maÿal 1983	P
Family Syntheciidae				

<i>Syntheicum formosum</i> (Fewkes, 1881)	NE	no specific record	Allman 1888	P
<i>Syntheicum tubithecum</i> (Allman, 1877)	SE, NE	ES, PE	Vannucci 1949 1950, Mañal 1983	P
Order Proboscoida				
Family Campanulariidae				
<i>Campanularia agas</i> Cornelius, 1982	SE	RJ	?Vannucci 1954	P
<i>Campanularia hesperia</i> Torrey, 1904	SE	SP	?Vannucci Mendes 1946	P
Campanulariidae sp. indet. 1	SE	SP	Migotto et al. 2001	P
Campanulariidae sp. indet. 2	SE	SP	Migotto et al. 2001	P
Campanulariidae sp. indet. 3	SE	SP	Migotto et al. 2001	P
<i>Clytia brunescens</i> (Bigelow, 1904)	BR	no specific record	Vannucci 1951b	M
<i>Clytia cf. gracilis</i> sp. 1	SE	SP	Migotto 1996, Lindner 2000	P/M
<i>Clytia cf. gracilis</i> sp. 2	SE	SP	Lindner 2000	P/M
<i>Clytia cf. gracilis</i> sp. 3	SE	SP	Lindner 2000	P
<i>Clytia cylindrica</i> Agassiz, 1862	SE	SP	Vannucci 1957a 1963, Vannucci & Ribeiro 1955	P/M
<i>Clytia discoida</i> (Mayer, 1900)	NE	no specific record	Kramp 1957	M
<i>Clytia gracilis</i> (M. Sars, 1850)	SE, NE	SP, PE	Migotto 1996, Calder & Mañal 1998, Migotto et al. 2001	P/M
<i>Clytia hemisphaerica</i> (Linnaeus, 1767)	S, SE	RS, PR - ES	Vannucci Mendes 1946, Vannucci 1949 1950 1951a, Navas-Pereira 1980 1981, Haddad 1992, Migotto 1996, Grohmann et al. 1997, Nogueira et al. 1997, Rosso & Marques 1997	P/M
<i>Clytia hummelincki</i> (Leloup, 1935)	S, SE, NE	PR, SP, PE	Haddad 1992, Migotto 1996, Calder & Mañal 1998, Migotto et al. 2001	P
<i>Clytia linearis</i> (Thornely, 1899)	SE	SP, ES	Migotto 1996, Grohmann et al. 1997, Nogueira et al. 1997, Lindner 2000, Migotto et al. 2001	P/M
<i>Clytia noliformis</i> auct.	SE, NE	SP, BA	Allman 1888, Vannucci-Mendes 1946, Lindner & Calder 2000, Lindner & Migotto, 1998, Lindner & Migotto 2001	P/M
<i>Clytia paulensis</i> (Vanhöffen, 1910)	SE, NE	ES, PE	Grohmann et al. 1997, Calder & Mañal 1998	P
<i>Clytia simplex</i> Browne, 1902	S, SE, NE	no specific record	Ramirez & Zamponi 1981	M
<i>Clytia</i> spp.	SE	SP	Moreira 1973, Tronolone 2001	M
<i>Gastroblasta ovalis</i> Mayer, 1900	SE	SP	Vannucci 1949	M
<i>Laomedea calceolifera</i> (Hincks, 1871)	SE	RJ, ES	?Vannucci 1949	P
<i>Obelia bidentata</i> Clark, 1875	SE, NE	SP, RJ, PE	Jäderholm 1903, Vannucci Mendes 1946, Vannucci 1949 1954, Migotto 1996, Calder & Mañal 1998, Migotto et al. 2001	P/M
<i>Obelia dichotoma</i> (Linnaeus, 1758)	S, SE	RS, PR - ES	Stechow 1919, Vannucci Mendes 1946, Vannucci 1949 1951a 1954, Haddad 1992, Migotto 1996, Grohmann et al. 1997, Nogueira et al. 1997, Rosso & Marques 1997, Horta et al. 2001, Migotto et al. 2001	P/M
<i>Obelia geniculata</i> Linnaeus, 1758	S, SE	SC - ES	Vannucci Mendes 1946, Vannucci 1949 1950, Haddad 1992, Migotto 1996, Grohmann et al. 1997, Haddad et al. 2000	P
<i>Obelia</i> spp.	S, SE	RS, SP, RJ	Vannucci 1957a, Moreira 1973, Navas-Pereira 1980 1981, Tronolone 2001	M

<i>Orthopyxis sargassicola</i> (Nutting, 1915)	S, SE	SC, SP - ES	Vannucci Mendes 1946, Vannucci 1949 1951a 1954, Migotto 1996, Grohmann et al. 1997, Nogueira et al. 1997, Haddad et al. 2000	P
Subclass Limnomedusae				
Family Olindiidae				
<i>Aglauropsis agassizi</i> F. Müller, 1865	S	SC	F. Müller 1865	M
<i>Aglauropsis kawari</i> Moreira & Yamashita, 1972	S	RS	Moreira & Yamashita 1972	M
<i>Cubaia aphrodite</i> Mayer, 1894	NE	PE	Goy 1979	M
<i>Gossea brachymera</i> Bigelow, 1909	S	RS	Navas-Pereira 1981	M
<i>Olindias sambaquiensis</i> F. Müller, 1861	S, SE	SC, SP	F. Müller 1861a, Vannucci 1951a, Goy 1979, Tronolone 2001	M
<i>Vallentinia gabriellae</i> Vannucci Mendes, 1948	S, SE, NE	SP (no specific record for S and NE regions)	Vannucci Mendes 1948, Ramirez & Zamponi 1981	M
Subclass Narcomedusae				
Family Aeginidae				
<i>Aegina citrea</i> Eschscholtz, 1829	S, SE, NE, N	RS (no specific record for SE, NE, and N regions)	Vannucci 1957a, Navas-Pereira 1981, Ramirez & Zamponi 1981	M
<i>Aeginura grimaldii</i> Maas, 1904	NE	AL, PE	Vannucci 1951b	M
<i>Solmundella bitentaculata</i> (Quoy & Gaimard, 1833)	S, SE, NE, N	RS, SP (no specific record for NE and N regions)	Moreira 1973, Goy 1979, Navas-Pereira 1981	M
Family Cuninidae				
<i>Cunina duplicata</i> Maas, 1893	S, SE, NE, N	no specific record	Kramp 1959, Ramirez & Zamponi 1981	M
<i>Cunina frugifera</i> Kramp, 1948	S, SE, NE, N	RS (no specific record for SE, NE, and N regions)	Navas-Pereira 1981, Ramirez & Zamponi 1981	M
<i>Cunina octonaria</i> McCrady, 1859	S, SE, NE	RS, SC, SP, RJ (no specific record for NE region)	F. Müller 1861b, Vannucci 1957a, Moreira 1973, Goy 1979, Navas-Pereira 1980 1981, Ramirez & Zamponi 1981, Tronolone 2001	M
<i>Cunina peregrina</i> Bigelow, 1909	S, SE, NE, N	RS (no specific record for SE, NE, and N regions)	Kramp 1957, Goy 1979, Navas-Pereira 1981, Ramirez & Zamponi 1981	M
<i>Solmissus marshalli</i> Agassiz & Mayer, 1902	S, SE, NE	no specific record	Kramp 1957, Ramirez & Zamponi 1981	M
Family Solmarisidae				
<i>Pegantha clara</i> R.P. Bigelow, 1909	S, SE, NE	PE (no specific record for S and SE regions)	Kramp 1957, Ramirez & Zamponi 1981	M
<i>Pegantha laevis</i> H.B. Bigelow, 1909	S, SE, NE	no specific record	Ramirez & Zamponi 1981	M

<i>Pegantha martagon</i> Haeckel, 1879	S, SE, NE	no specific record	Kramp 1957, Ramirez & Zamponi 1981	M
<i>Pegantha rubiginosa</i> (Kölliker, 1853)	S, SE, NE	no specific record	Kramp 1957, Ramirez & Zamponi 1981	M
<i>Pegantha</i> sp.	NE	AL	Goy 1979	M
<i>Pegantha triloba</i> Haeckel, 1879	S, SE, NE	PE (no specific record for S and SE regions)	Vanhöffen 1913, Ramirez & Zamponi 1981	M
<i>Solmaris corona</i> (Keferstein & Ehlers, 1861)	S	RS	Vannucci 1957a, Navas-Pereira 1981	M
<i>Solmaris flavescens</i> (Kölliker, 1853)	NE	no specific record	Thiel 1935, Vannucci 1951b	M
<i>Solmaris</i> spp.		no specific record	Moreira 1973	M
Subclass Siphonophorae				
Order Calycophorae				
Family Abylidae				
<i>Abyla bicarinata</i> Moser, 1925	SE, NE, N	ES - AP	Pugh 1999	
<i>Abyla haeckeli</i> Lens & van Riemsdijk, 1908	NE, N	BA - AP, FN	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Abyla trigona</i> Quoy & Gaimard, 1827	S, SE, NE, N	RS - AP, FN	Alvariño 1971 1981, Dias 1994, Pugh 1999	
<i>Abylopsis eschscholtzi</i> (Huxley, 1859)	S, SE, NE, N	RS - AP, FN	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Abylopsis tetragona</i> (Otto, 1823)	S, SE, NE, N	RS - AP, FN	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Bassia bassensis</i> L. Agassiz, 1862	S, SE, NE, N	RS - AP, FN	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Ceratocymba dentata</i> (Bigelow, 1918)	NE, N	BA - AP	Alvariño 1971 1981, Pugh 1999	
<i>Ceratocymba leuckarti</i> (Huxley, 1859)	S, SE, NE, N	RS - AP	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Ceratocymba sagittata</i> (Quoy & Gaimard, 1827)	S, SE, NE, N	RS - AP	Alvariño 1971, Pugh 1999	
<i>Enneagonum hyalinum</i> Quoy & Gaimard, 1827	S, SE, NE, N	RS - AP	Alvariño 1971, Dias 1994, Pugh 1999	
Family Clausophyidae				
<i>Chuniphyes moserae</i> Totton, 1954	S, SE, NE, N	RS - AP	Alvariño 1981, Pugh 1999	
<i>Chuniphyes multidentata</i> Lens & van Riemsdijk, 1908	S, SE, NE, N	RS - AP	Alvariño 1971, Pugh 1999	
<i>Heteropyramis maculata</i> Moser, 1925	S, SE, NE, N	RS - AP, FN	Alvariño 1971, Pugh 1999	
Family Diphyidae				
<i>Chelophyes appendiculata</i> (Eschscholtz, 1829)	S, SE, NE, N	RS - AP, FN	Alvariño 1971 1981, Dias 1994, Pugh 1999	
<i>Dimophyes artica</i> Chun, 1897	S, SE, NE, N	RS - AP	Alvariño 1971, Pugh 1999	
<i>Diphyes bojani</i> (Eschscholtz, 1829)	SE, SE, NE, N	RS - AP	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Diphyes dispar</i> Chamisso & Eysenhardt, 1821	S, SE, NE, N	RS - AP, FN	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Eudoxoides mitra</i> Huxley, 1859	S, SE, NE, N	RS - AP	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Eudoxoides spiralis</i> (Bigelow, 1911)	S, SE, NE, N	RS - AP, FN	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Lensia campanella</i> (Moser, 1925)	S, SE, NE, N	RS - AP	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Lensia challengerii</i> Totton, 1941		no specific record	Dias 1994	
<i>Lensia conoidea</i> (Keferstein & Ehlers, 1860)	S, SE, NE, N	RS - AP, FN	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Lensia cossack</i> Totton, 1941	S, SE, NE, N	RS - AP	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Lensia fowleri</i> (Bigelow, 1911)	S, SE, NE, N	RS - AP	Alvariño 1971 1981, Dias 1994, Pugh 1999	

<i>Lensia grimaldi</i> (Leloup, 1933)	S, SE, NE, N	RS – AP, FN	Alvariño 1971, Pugh 1999	
<i>Lensia hardy</i> Totton, 1941	S, SE, NE, N	RS - AP	Alvariño 1981, Pugh 1999	
<i>Lensia hotspur</i> Totton, 1941	S, SE, NE, N	RS – AP, FN	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Lensia lelouveteau</i> Totton, 1941	S, SE, NE, N	RS - AP	Alvariño 1971, Pugh 1999	
<i>Lensia meteori</i> (Leloup, 1934)	S, SE, NE, N	RS - AP	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Lensia multicristata</i> (Moser, 1925)	S, SE, NE, N	RS – AP, FN	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Lensia subtilis</i> (Chun, 1886)	S, SE, NE, N	RS – AP, FN	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Lensia tottoni</i> A. Daniel & R. Daniel, 1963	N	PA	Alvariño 1971	
<i>Muggiaea atlantica</i> Cunningham, 1892	S, SE, NE, N	RS - AP	Dias 1994, Pugh 1999	
<i>Muggiaea kochi</i> (Will, 1844)	S, SE, NE, N	RS - AP	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Sulculeolaria angusta</i> Totton, 1954	N	PA	Alvariño 1971	
<i>Sulculeolaria biloba</i> (Sars, 1846)	S, SE, NE, N	RS - AP	Alvariño 1971, Pugh 1999	
<i>Sulculeolaria chuni</i> (Lens & Van Riemsdijk, 1908)	S, SE, NE, N	RS - AP	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Sulculeolaria monoica</i> (Chun, 1888)	S, Se, NE, N	SC - AP	Alvariño 1971 1981, Dias 1994, Pugh 1999	
<i>Sulculeolaria quadrivalvis</i> Blainville, 1834	S, SE, NE, N	RS - AP	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Sulculeolaria turgida</i> (Gegenbaur, 1853)	S, SE, NE, N	RS - AP	Alvariño 1971, Pugh 1999	
Family Hippopodiidae				
<i>Hippopodius hippopus</i> (Forskål, 1776)	S, SE, NE, N	RS – AP, FN	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Vogtia glabra</i> Bigelow, 1918	S, SE, NE, N	RS – AP, TRI	Alvariño 1971, Pugh 1999	
<i>Vogtia pentacantha</i> Kölliker, 1853	N	PA	Alvariño 1971	
<i>Vogtia serrata</i> (Moser, 1925)	S, SE, NE, N	RS – AP, FN	Alvariño 1971, Pugh 1999	
<i>Vogtia spinosa</i> Keferstein & Ehlers, 1861	S, SE, NE, N	RS - AP	Alvariño 1971, Pugh 1999	
Family Prayidae				
<i>Amphicaryon acaule</i> Chun, 1888	S, SE, NE, N	RS - AP	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Amphicaryon ernesti</i> Totton, 1954	S, SE, NE, N	RS - AP	Alvariño 1971, Pugh 1999	
<i>Amphicaryon peltifera</i> (Haeckel, 1888)	S, SE, NE, N	RS - AP	Dias 1994, Pugh 1999	
<i>Maresearsia praeclara</i> Totton, 1954	NE, N	PE - AP	Alvariño 1981, Pugh 1999	
<i>Nectadamas diomedae</i> (Bigelow, 1911)	S, SE, NE, N	RS - AP	Alvariño 1981, Pugh 1999	
<i>Nectopyramis natans</i> Bigelow, 1911	NE	RS - AP	Alvariño 1971 1981, Pugh 1999	
<i>Nectopyramis spinosa</i> Sears, 1952	SE	TRI	Alvariño 1971	
<i>Nectopyramis thetis</i> Bigelow, 1911	S, SE, NE, N	RS - AP	Alvariño 1981, Pugh 1999	
<i>Praya dubia</i> (Quoy & Gaimard, 1833)	S, SE, NE, N	RS - AP	Pugh 1999	
<i>Rosacea plicata</i> sensu Bigelow, 1911	S, SE, NE, N	RS - AP	Alvariño 1971 1981, Dias 1994, Pugh 1999	
Family Clausophyidae				
<i>Clausophyes galeata</i> Lens & van Riemsdijk, 1908	S, SE, NE, N	RS - AP	Pugh 1999	
<i>Clausophyes laetmata</i> Pugh & Pagès, 1993	S, SE, NE, N	RS - AP	Pugh 1999	
<i>Clausophyes moserae</i> Margulis, 1988	S, SE, NE, N	RS - AP	Pugh 1999	
<i>Clausophyes tropica</i> Pugh, 1995	S, SE, NE	RS - RN	Pugh 1999	
<i>Crystallophyes amygdalina</i> Moser, 1925	S, SE, NE, N	RS - AP	Pugh 1999	
<i>Heteropyramis crystallina</i> (Moser, 1925)	S, SE, NE, N	RS - AP	Pugh 1999	
Family Diphyidae				
<i>Gilia reticulata</i> (Totton, 1954)	S, SE, NE, N	RS - AP	Pugh 1999	
<i>Lensia achilles</i> Totton, 1941	S, SE, NE, N	RS - AP	Pugh 1999	
<i>Lensia ajax</i> Totton, 1941	S, SE, NE, N	RS - AP	Pugh 1999	

<i>Lensia exeter</i> Totton, 1941	S, SE, NE, N	RS - AP	Pugh 1999	
<i>Lensia havock</i> Totton, 1941	S, SE, NE, N	RS - AP	Pugh 1999	
<i>Lensia hostile</i> Totton, 1941	S, SE, NE, N	RS - AP	Pugh 1999	
<i>Lensia hunter</i> Totton, 1941	S, SE, NE, N	RS - AP	Pugh 1999	
<i>Lensia leloupi</i> Totton, 1954	NE, N	MA - AP	Pugh 1999	
Order Cystonectae				
Family Physaliidae				
<i>Physalia</i> sp.	N	No specific record	Hartt, 1868	
<i>Physalia physalis</i> Linnaeus 1758	S, SE, NE, N	RS - AP	Freitas et al. 1995, Pugh 1999	
Order Physonectae				
Family Agalmatidae				
<i>Agalma elegans</i> (Sars, 1846)	S, SE, NE, N	RS - AP	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Agalma okeni</i> Eschscholtz, 1825	S, SE, NE, N	RS - AP, FN	Alvariño 1971, Dias 1994, Pugh 1999	
<i>Bargmannia elongata</i> Totton, 1954	S, SE, NE, N	RS - AP	Alvariño 1981, Pugh 1999	
<i>Erenna richardi</i> Bedot, 1904	S, SE, NE, N	RS - AP	Pugh 1999	
<i>Halistemma rubrum</i> (Vogt, 1852)	S, SE, NE, N	RS - AP	Pugh 1999	
<i>Halistemma striata</i> Totton, 1965	S, SE, NE, N	RS - AP	Pugh 1999	
<i>Marrus antarcticus</i> Totton, 1954	S	RS	Alvariño 1981	
<i>Marrus orthocanna</i> (Kramp, 1942)	S, NE	no specific record	Alvariño 1981	
<i>Nanomia bijuga</i> (Delle Chiaje, 1841)	S, SE, NE, N	RS - AP	Alvariño 1971, Pugh 1999	
Family Athorybiidae				
<i>Athorybia rosacea</i> (Forskål, 1775)	S, SE, NE, N	RS - AP, FN	Alvariño 1971, Pugh 1999	
<i>Melophysa melo</i> (Quoy & Gaimard, 1827)	NE, N	AL - AP	Pugh 1999	
Family Forskaliidae				
<i>Forskalia edwardsii</i> K��lliker, 1853	N	PA	Alvari��o 1971	
Family Physophoridae				
<i>Physophora hydrostatica</i> Forsk��l, 1775	S, SE, NE, N	RS - AP	Dias 1994, Pugh 1999	
Subclass Trachymedusae				
Family Geryoniidae				
<i>Geryonia proboscidalis</i> (Forsk��l, 1775)	S, NE	RS, FN	Vannucci 1951b, Goy 1979, Navas-Pereira 1981	M
<i>Liriope tetraphylla</i> (Chamisso & Eysenhardt, 1821)	S, SE	RS, SC, SP, RJ	F. M��ller 1859a, Carvalho 1943, Vannucci 1951a 1957a, Moreira 1973, Navas-Pereira 1980 1981, Tronolone 2001	M
Family Halicreatidae				
<i>Halicreas minimum</i> Fewkes, 1882	NE	no specific record	Vannucci 1951b	M
Family Rhopalonematidae				
<i>Aglantha digitale</i> (F. M��ller, 1776)	S, SE, NE	no specific record	Ramirez & Zamponi 1981	M
<i>Aglaura hemistoma</i> P��ron & Lesueur, 1810	S, SE, NE	RS, SC, SP-PE	Vannucci 1957a 1963, Moreira 1973, Goy 1979, Navas-Pereira 1981	M
<i>Amphogona apsteini</i> (Vanh��ffen, 1902)	S, SE	RS, SP	Vannucci 1963, Moreira 1973, Navas-Pereira 1981	M
<i>Colobonema sericeum</i> Vanh��ffen, 1902	S	no specific record	Kramp 1957	M
<i>Crossota brunnea</i> Vanh��ffen, 1902	S	no specific record	Vannucci 1951b	M

<i>Homoeonema platygonon</i> Browne, 1903	S, NE	no specific record	Ramirez & Zamponi 1981	M
<i>Pantachogon haeckeli</i> Maas, 1893	NE	no specific record	Ramirez & Zamponi 1981	M
<i>Persa incolorata</i> McCrady, 1859	S, NE	RS (no specific record for NE region)	Thiel 1935, Navas-Pereira 1981, Ramirez & Zamponi 1981	M
<i>Rhopalonema velatum</i> Gegenbaur, 1856	S, SE, NE, N	RS, SP, RJ, BA, PA	Vannucci 1957a, Goy 1979, Navas-Pereira 1980 1981	M
<i>Sminthea eurygaster</i> Gegenbaur, 1856	S, SE, NE	RS (no specific record for SE and NE regions)	Navas-Pereira 1981, Ramirez & Zamponi 1981	M
Class Cubozoa				
Order Cubomedusae				
Family Carybdeidae				
<i>Tamoya haplonema</i> F. Müller, 1859	S, SE, NE, N	RS - AP	F. Müller 1859b, Vannucci 1957b, Morandini & Marques 1997, Mianzan & Cornelius 1999	M
<i>Tripedalia cystophora</i> Conant, 1897	N	PA	Morandini & Marques 1997, Mianzan & Cornelius 1999	M
Family Chirodropidae				
<i>Chiropsalmus quadrumanus</i> (F. Müller, 1859)	S, SE, NE, N	SC - AP	F. Müller 1859b, Vannucci 1954, 1957b, Morandini & Marques 1997, Marques et al. 1997, Mianzan & Cornelius 1999	M
Class Scyphozoa				
Order Coronatae				
Family Atollidae				
<i>Atolla chuni</i> Vanhöffen, 1902	S, SE, NE, N	RS - AP (offshore)	Mianzan & Cornelius 1999	M
<i>Atolla wyvillei</i> Haeckel, 1880	S, SE, NE, N	RS - AP (offshore)	Mianzan & Cornelius 1999	M
Family Linuchidae				
<i>Linuche unguiculata</i> (Swartz, 1788)	SE	SP	Silveira & Morandini 1998a 1998b, Haddad Jr. et al. 2001	P/M
Family Nausithoidae				
<i>Nausithoe aurea</i> Silveira & Morandini 1997	SE, NE	SP, BA	Silveira & Morandini 1997, Mianzan & Cornelius 1999, Morandini & Silveira 2001a 2001b	P/M
<i>Nausithoe punctata</i> Kölliker, 1853	S, SE, NE, N	RS - AP (offshore)	Vanhöffen 1908, Alvariño 1968, Goy 1979, Mianzan & Cornelius 1999	M
<i>Nausithoe</i> sp.	S	RS	Horta et al. 2001	P
<i>Stephanoscyphistoma corniformis</i> (Komai, 1936)	SE	SP, RJ	Silveira & Morandini 1996	P
<i>Stephanoscyphistoma simplex</i> (Kirkpatrick, 1890)	NE	CE (ca. 750 km offshore)	Kramp 1951	P
Family Periphyllidae				
<i>Periphylla periphylla</i> (Péron & Lesueur, 1809)	S, SE, NE, N	RS - AP (offshore)	Mianzan & Cornelius 1999	M
Order Rhizostomeae				
Family Cassiopeidae				
<i>Cassiopea xamachana</i> R.P. Bigelow, 1892	SE	SP	Silveira et al. 2000	P/M

Family Catostylidae				
<i>Catostylus cruciatus</i> (Lesson, 1829)	S	SC	Lesson 1830, Vannucci 1957b, Goy 1979	M
Family Lychnorhizidae				
<i>Lychnorhiza lucerna</i> Haeckel, 1880	S, SE, NE, N	RS - AP	Haeckel 1880, Vanhöffen 1888, Vannucci Mendes 1944, Vannucci 1951a 1954 1957b, Goy 1979, Salles 1994, Cornelius & Silveira 1997, Mianzan & Cornelius 1999, Silveira & Cornelius 2000	M
Family Mastigiidae				
<i>Phyllorhiza punctata</i> von Lendenfeld, 1884	SE, NE	SP, BA	Moreira 1961, Cornelius & Silveira 1997, Mianzan & Cornelius 1999, Silveira & Cornelius 2000	M
Family Stomolophidae				
<i>Stomolophus meleagris</i> L. Agassiz, 1862	S, SE, NE	RS - AP	Vannucci-Mendes 1944, Oliveira 1949, Vannucci 1954 1957b, Alcântara et al. 1979, Salles 1994, Cornelius & Silveira 1997, Mianzan & Cornelius 1999	M
Order Semaestomeae				
Family Cyaneidae				
<i>Drymonema dalmatinum</i> Haeckel, 1880	S, SE	SC, SP RJ	F. Müller 1883, Vannucci 1957b, Cornelius & Silveira 1997, Mianzan & Cornelius 1999	M
Family Pelagiidae				
<i>Chrysaora lactea</i> Eschscholtz, 1829	S, SE, NE, N	RS - AP	Eschscholtz 1829, Lesson 1830, Vanhöffen 1888, Oliveira 1950, Vannucci 1954 1957b, Goy 1979, Cornelius & Silveira 1997, Silveira et al. 1998, Mianzan & Cornelius 1999	M
<i>Chrysaora plocamia</i> (Lesson, 1832)	SE	SP	Lesson 1830, Mianzan & Cornelius 1999	M
<i>Pelagia noctiluca</i> (Forskål, 1775)	S, SE, NE, N	RS - AP (offshore)	Vanhöffen 1888, Mayer 1910, Vannucci 1957b, Mianzan & Cornelius 1999, Mianzan & Guerrero 2000	M
Family Ulmaridae				
<i>Aurelia aurita</i> (Linnaeus, 1758)	S, SE NE	RS - BA (and offshore)	Pantin & Dias 1952, Vannucci 1957b, Goy 1979, Cornelius & Silveira 1997, Castro et al. 1998, Cornelius & Mianzan 1999	M
<i>Aurelia</i> sp.2	SE	SP	Dawson & Jacobs 2001	M
Order Stauromedusae				
Family Kishinouyeidae				
<i>Kishinouyea corbini</i> Larson, 1980	SE	ES (benthic)	Grohmann et al. 1999	M
Order Incertae sedis				
Family Incertae sedis				
<i>Tetraplatia volitans</i> Busch, 1851	SE	RJ	Leloup 1935, Mianzan & Cornelius 1999	M
Family Tesseridae				
<i>Tessera gemmaria</i> Goy, 1979	SE	RJ	Goy 1979, Mianzan & Cornelius 1999	M

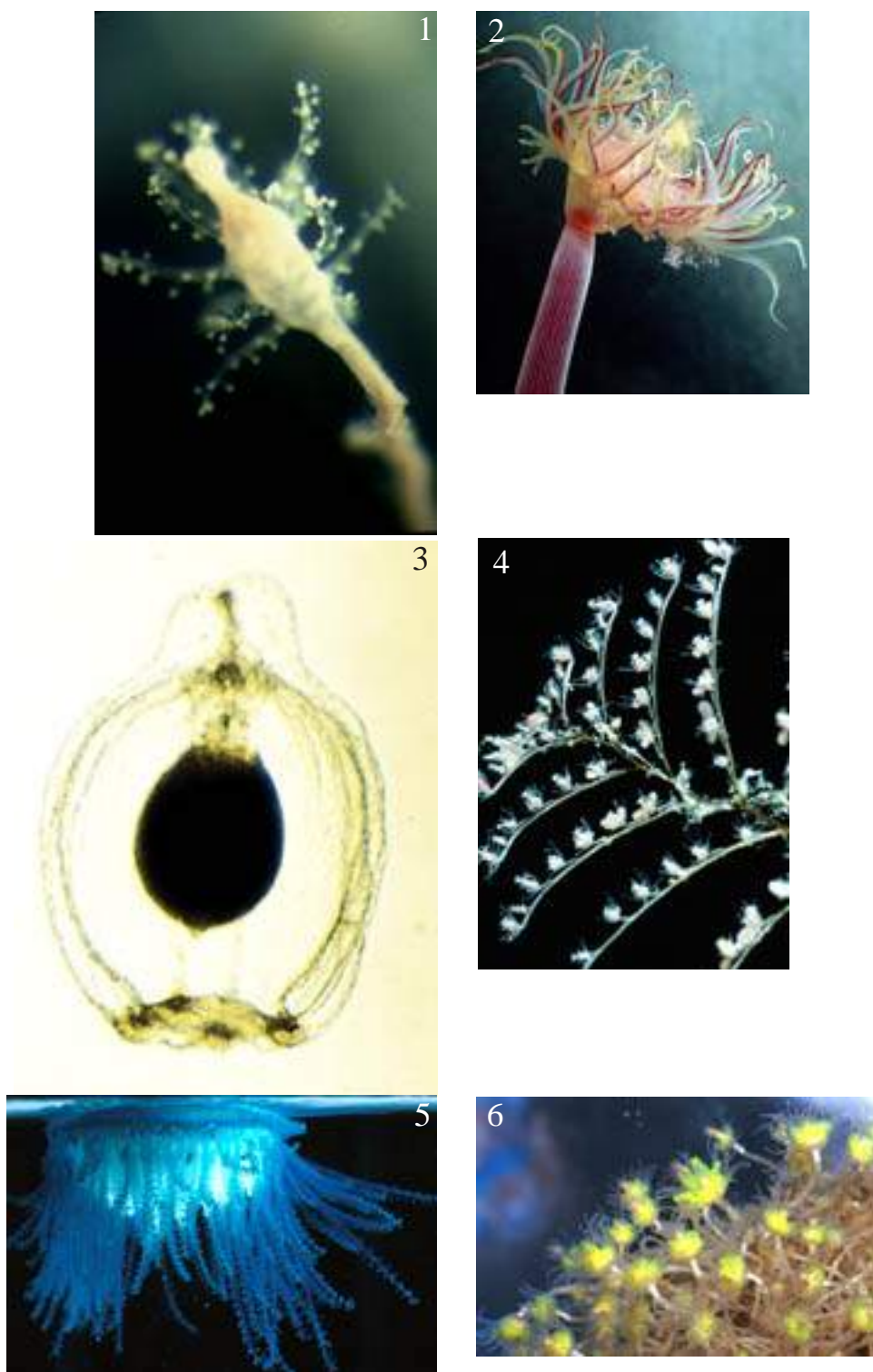


Figure 1. *Asyncoryne ryniensis* Warren, 1908 polyp photo Alvaro E. Migotto
Figure 2. *Corymorpha januarii* Steenstrup, 1854 polyp photo Alvaro E. Migotto
Figure 3. *Corymorpha januarii* Steenstrup, 1854 medusa photo Alvaro E. Migotto
Figure 4. *Pennaria disticha* Goldfuss, 1820 colony photo Alvaro E. Migotto
Figure 5. *Porpita umbella* F. Müller, 1776 colony photo Alvaro E. Migotto
Figure 6. *Ectopleura obypa* Migotto & Marques, 1999 colony photo Alvaro E. Migotto



Figure 7. *Ectopleura obypa* Migotto & Marques, 1999 polyp photo Alvaro E. Migotto
 Figure 8. *Ralpharia sanctisebastiani* (Silveira & Migotto, 1984) polyp photo Alvaro E. Migotto
 Figure 9. *Bougainvillia rugosa* Clarke, 1882 colony photo Alvaro E. Migotto
 Figure 10. *Turritopsis nutricula* McCrady, 1859 medusa photo Alvaro E. Migotto



Figure 11. *Aglaophenia latecarinata* Allman, 1887 colony photo Alvaro E. Migotto

Figure 12. *Macrorhynchia philippina* (Kirchenpauer, 1872 colony photo Alvaro E. Migotto

Figure 13. *Halecium bermudense* Congdon, 1907 colony photo Alvaro E. Migotto

Figure 14. *Nemalecium lighti* (Hargitt, 1924) colony photo Alvaro E. Migotto



Figure 15. *Hebella furax* Millard, 1957 colony photo Alvaro E. Migotto

Figure 16. *Hebella furax* Millard, 1957 newly released medusa photo Alvaro E. Migotto

Figure 17. *Hebella furax* Millard, 1957 adult medusa photo Alvaro E. Migotto

Figure 18. *Hebella scandens* (Bale, 1888 medusa photo Alvaro E. Migotto

Figure 19. *Dentitheca bidentata* Jäderholm, 1920 colony photo Alvaro E. Migotto

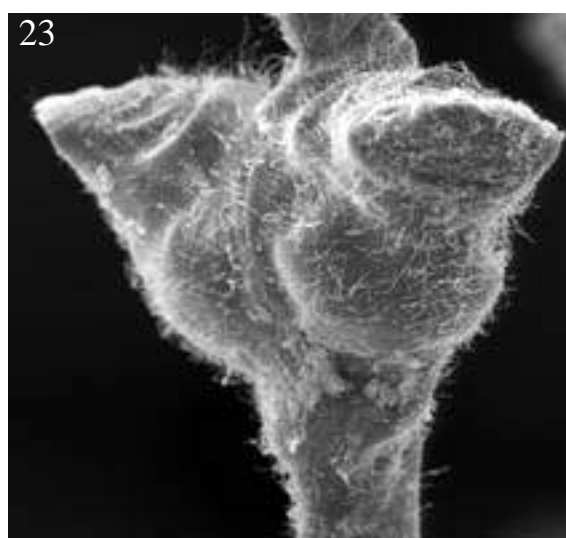


Figure 20. *Dynamena crisioides* Lamouroux, 1824 colony photo Alvaro E. Migotto

Figure 21. *Sertularia loculosa* Busk, 1852 colony photo Alvaro E. Migotto

Figure 22. *Sertularia marginata* Kirchenpauer, 1864 colony photo Alvaro E. Migotto

Figure 23. *Sertularia vervoorti* Migotto & Calder, 1998 photo Alvaro E. Migotto

Figure 24. *Clytia cf. gracilis* sp. 1 colony photo Alberto Lindner

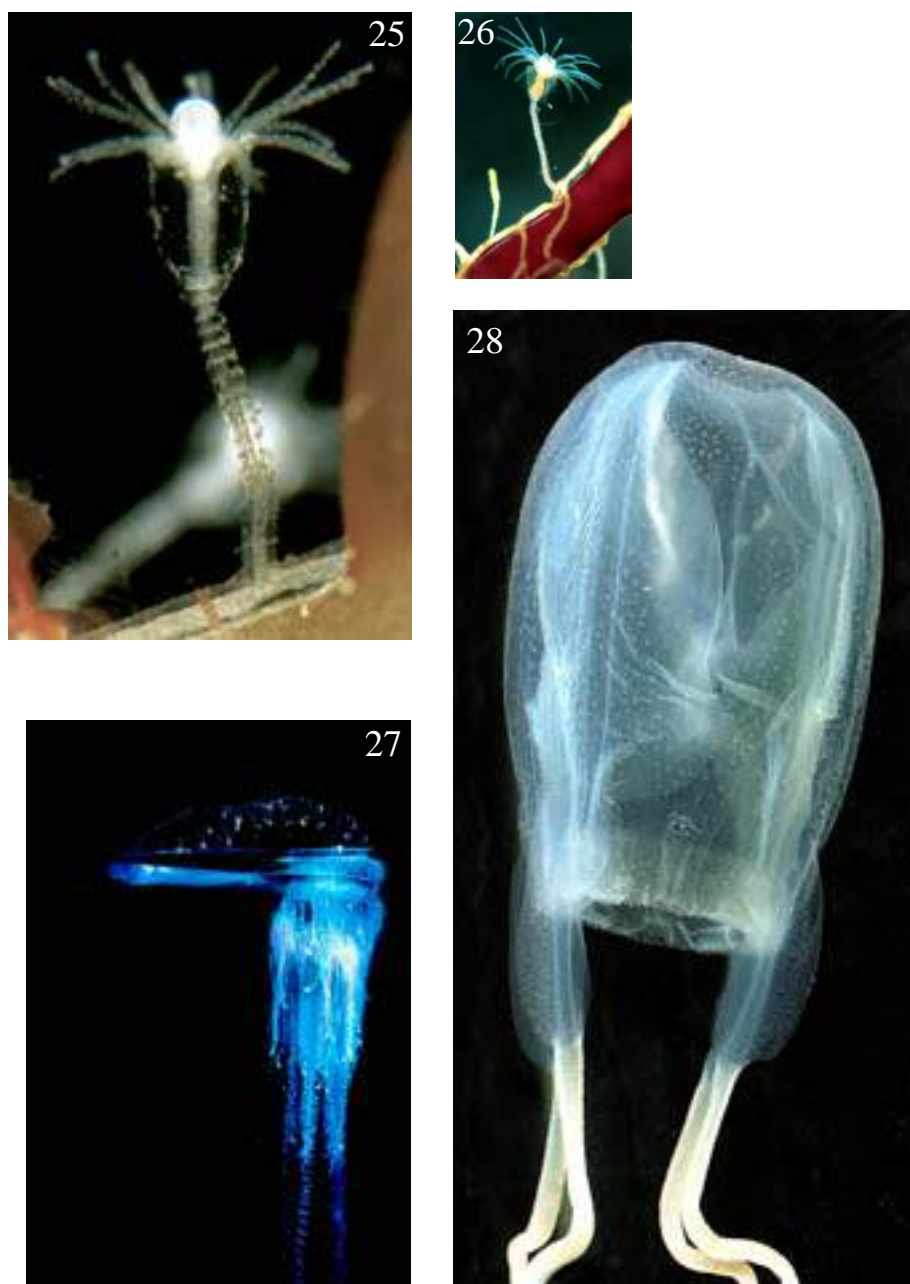


Figure 25. *Clytia cf. gracilis* sp. 1 hydranth photo Alberto Lindner

Figure 26. *Clytia noliformis* auct. hydranth photo Alberto Lindner

Figure 27. *Physalia physalis* Linnaeus 1758 colony photo Alvaro E. Migotto

Figure 28. *Tamoya haplonema* F. Müller, 1859 medusa photo Alvaro E. Migotto

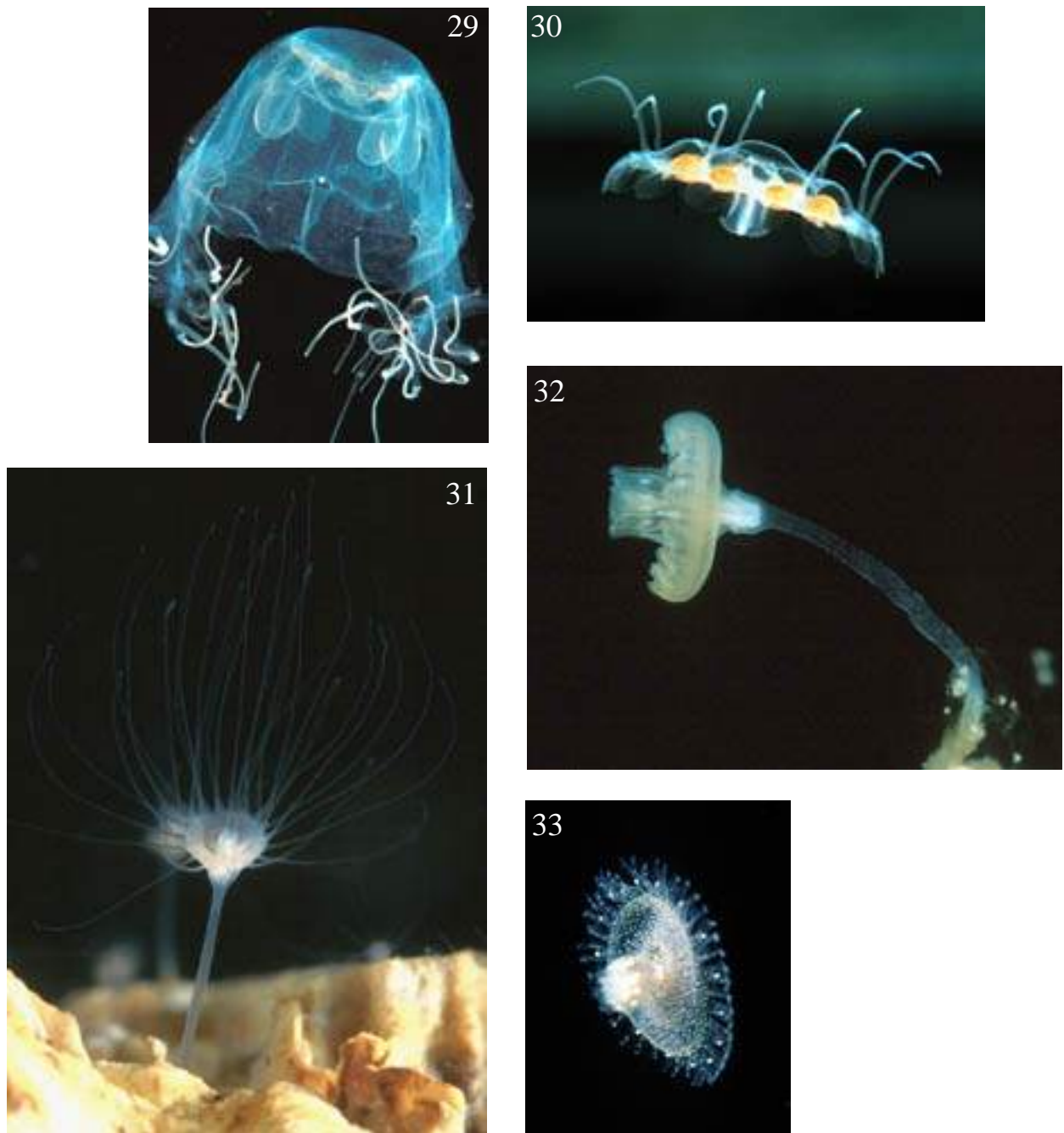


Figure 29. *Chiropsalmus quadrumanus* (F. Müller, 1859) medusa photo Alvaro E. Migotto

Figure 30. *Nausithoe aurea* medusa photo Alvaro E. Migotto

Figure 31. *Cassiopea xamachana* R.P. Bigelow, 1892 scyphistoma photo Alvaro E. Migotto

Figure 32. *Cassiopea xamachana* R.P. Bigelow, 1892 strobila photo Alvaro E. Migotto

Figure 33. *Cassiopea xamachana* R.P. Bigelow, 1892 ephyra photo Alvaro E. Migotto



Figure 34. *Lychnorhiza lucerna* Haeckel, 1880 medusa photo Alvaro E. Migotto

Figure 35. *Phyllorhiza punctata* von Lendenfeld, 1884 medusa photo Fábio L. da Silveira

Figure 36. *Chrysaora lactea* Eschscholtz, 1829 medusa photo Alvaro E. Migotto

Figure 37. *Aurelia aurita* (Linnaeus, 1758) scyphistoma photo Alvaro E. Migotto