

Free-living marine nematodes from San Antonio Bay (Río Negro, Argentina)

Gabriela Villares¹, Virginia Lo Russo¹, Catalina Pastor de Ward¹,
Viviana Milano², Lidia Miyashiro³, Renato Mazzanti³

1 Laboratorio de Meiobentos LAMEIMA-CENPAT-CONICET, Boulevard Brown 2915, U9120ACF, Puerto Madryn, Argentina **2** Universidad Nacional de la Patagonia San Juan Bosco, sede Puerto Madryn, Boulevard Brown 3051, U9120ACF, Puerto Madryn, Argentina **3** Centro de Cómputos CENPAT-CONICET, Boulevard Brown 2915, U9120ACF, Puerto Madryn, Argentina

Corresponding author: *Gabriela Villares* (villares@cenpat-conicet.gob.ar)

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Abstract

The dataset of free-living marine nematodes of San Antonio Bay is based on sediment samples collected in February 2009 during doctoral theses funded by CONICET grants. A total of 36 samples has been taken at three locations in the San Antonio Bay, Santa Cruz Province, Argentina on the coastal littoral at three tidal levels. This presents a unique and important collection for benthic biodiversity assessment of Patagonian nematodes as this area remains one of the least known regions. In total 7,743 specimens of free-living marine nematodes belonging to two classes, eight orders, 37 families, 94 genera and 104 species were collected.

Keywords

Nematoda, Enoplea, Chromadorea, South Atlantic

Introduction

This is the first study on nematodes performed on a sub-Antarctic salt marsh along the coast of Río Negro Province, Argentina. This site has a high biodiversity and was declared a Protected Natural Area N°2.670 of the province of Río Negro in 1993 as well as an international reserve of the hemispheric network of Shorebird Reserve within the Wetlands program for the Americas. However, it is also an urban center where economic, industrial and tourist activities take place. The objectives of the study were to collect, identify and discover the structure and diversity of the nematode community of San Antonio Bay. The coverage (Figure 1) of this dataset includes two classes: Chromadorea (76%) and Enoplea (24%); eight orders: Monhysterida (39%), followed by Enoplida (23%) and Chromadorida (19%) as main occurrences; and thirty-seven families (see Figure 1).

Taxonomic ranks

Kingdom: Animalia

Phylum: Nematoda

Class: Chromadorea, Enoplea

Order: Monhysterida, Enoplida, Chromadorida, Desmodorida, Araeolaimida, Plectida, Rhabditida, Dorylaimida.

Family: Xyalidae, Linhomoeidae, Monhysteridae, Sphaerolaimidae, Siphonolaimidae, Chromadoridae, Cyatholaimidae, Ethmolaimidae, Selachinematidae, Microlaimidae, Desmodoridae, Monoposthiidae, Coninckidae, Comesomatidae, Diplopeltidae, Axonolaimidae, Leptolaimidae, Aegialolaimidae, Haliplectidae, Ceramonematidae, Tarvaidae, Tylenchidae, Mesorhabditidae, Criconematidae, Panagrolaimidae, Oncholaimidae, Oxystominidae, Ironoidae, Thoracostomopsidae, Tripyloididae, Anticomidae, Anoplostomatidae, Enchelidiidae, Trefusiidae, Lauratonematidae, Enoplidae, Dorylaimidae.

Genera: *Odontophora*, *Synodontium*, *Comesoma*, *Metasabatieria*, *Sabatieria*, *Coninckia*, *Campylaimus*, *Diplopeltula*, *Chromadora*, *Chromadorella*, *Chromadorina*, *Prochromadorella*, *Actinonema*, *Rhips*, *Dichromadora*, *Neochromadora*, *Spilophorella*, *Marylynnia*, *Paracantonchus*, *Paracyatholaimus*, *Pomponema*, *Paraethmolaimus*, *Gamanema*, *Halichoanolaimus*, *Latronema*, *Molgolaimus*, *Metachromadora*, *Onyx*, *Polysigma*, *Spirinia*, *Bolbolaimus*, *Microlaimus*, *Nudora*, *Desmolaimus*, *Metalinhomoeus*, *Terschellingia*, *Eleutherolaimus*, *Paralinhomoeus*, *Siphonolaimus*, *Diplolaimella*, *Diplolaimelloides*, *Halomonhystera*, *Monhystera*, *Sphaerolaimus*, *Amphimonhystera*, *Cobbia*, *Daptonema*, *Gonionchus*, *Linhystera*, *Metadesmolaimus*, *Omicronema*, *Paramonhystera*, *Promonhystera*, *Pseudosteineria*, *Rhynchonema*, *Theristus*, *Xyalidae* gen.1, *Ceramonema*, *Pselionema*, *Tarvaia*, *Haliplectus*, *Cyartonema*, *Deontolaimus*, *Leptolaimus*, *Mesorhabditis*, *Macroposthonia*, *Panagrolaimus*, *Tylenchus*, *Dorylaimus*, *Chaetonema*, *Cephalanticoma*, *Enoplus*, *Epacanthion*, *Oxyonchus*, *Thoracostomopsidae* gen.1, *Conilia*, *Dolicholaimus*, *Syringolaimus*, *Halalaimus*, *Calyptronema*, *Eu-*

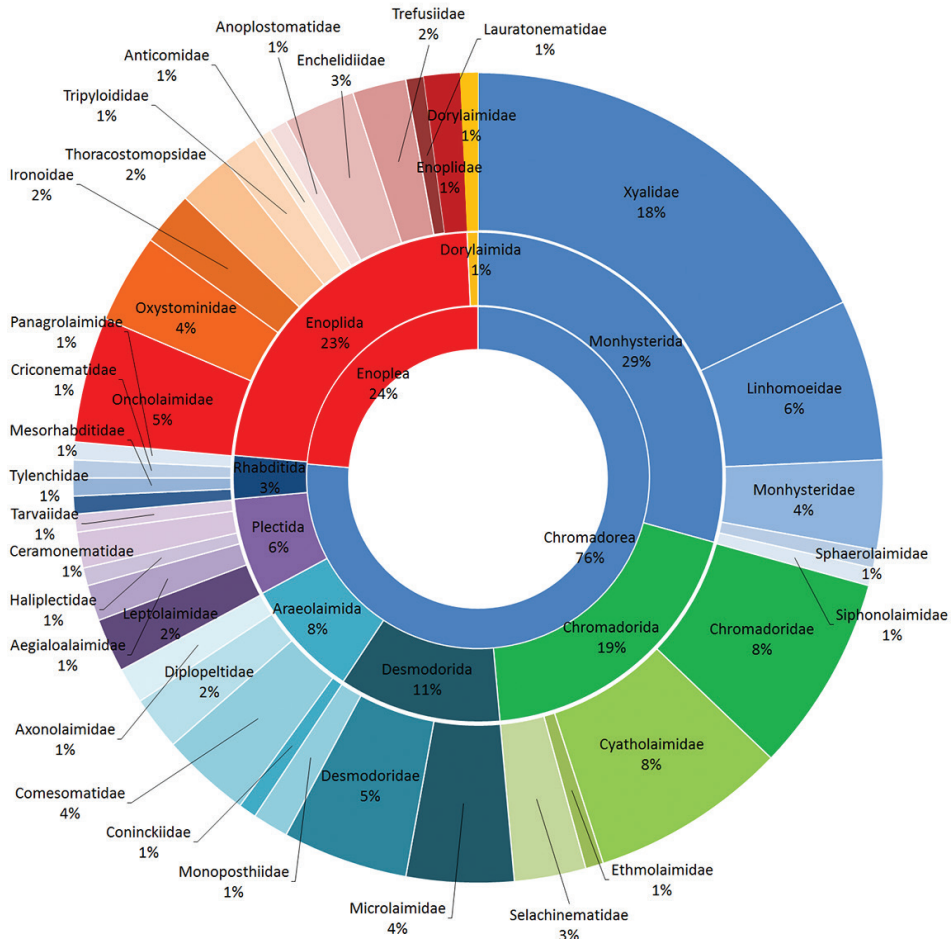


Figure 1. Taxonomic coverage by class, order and family.

rystomina, *Abelbolla*, *Adoncholaimus*, *Viscosia*, *Metoncholaimus*, *Oncholaimus*, *Lauratonema*, *Rhabdocoma*, *Trefusia*, *Trefusiidae* gen.1, *Bathylaimus*, *Tripyloides*.

Species with higher occurrences: *Microlaimus globiceps*, *Paraethmolaimus dahli*, *Thalassomonhystera parva*, *Microlaimus decoratus*, *Diplolaimelloides oschei*, *Nudora crepidata*, *Viscosia macramphida*, *Chromadorina longispiculum*, *Diplolaimella gerlachi*, *Leptolaimus luridus*.

Spatial coverage

General spatial coverage: San Antonio Bay, Río Negro Province, Argentina (Figure 2). For this study three sites were selected: “Ciudad” (A), located in the north of the bay; “Baliza Camino” (B), located off the mouth of the bay of San Antonio and “Banco Perdices” (C),

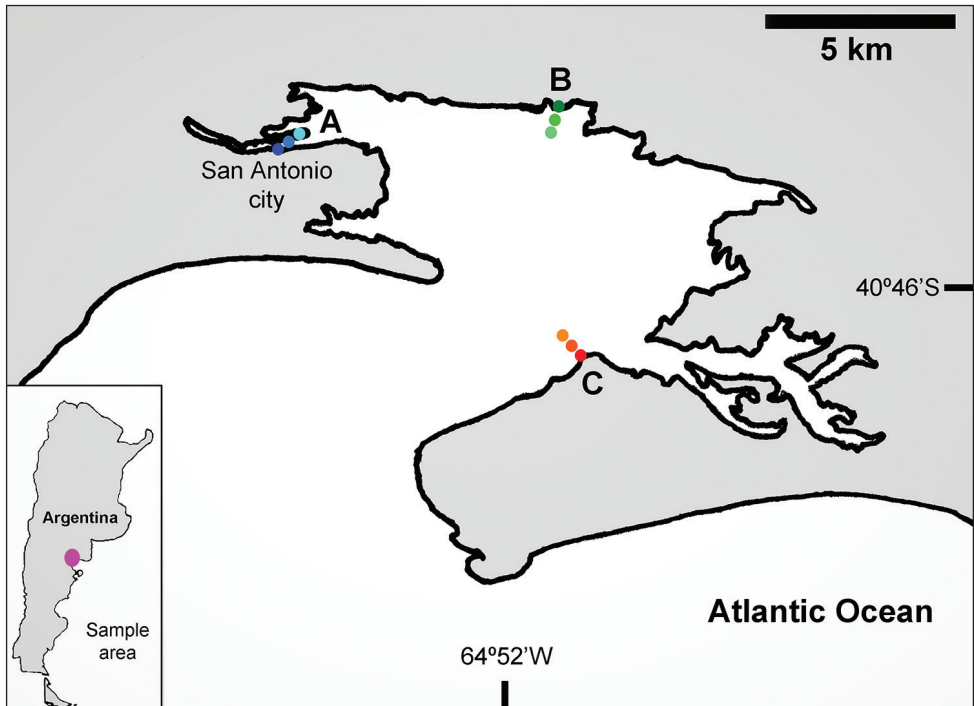


Figure 2. Spatial coverage. San Antonio Bay, Argentina. Sites: **A** “Ciudad” **B** “Baliza Camino” **C** “Banco Perdices”. Levels = u, m, l..

located 12 km south of “Las Grutas”. At each sampling site, three tidal levels were chosen: upper-littoral, high tide, salt-marsh habitat (u); middle littoral, mean tide, un-vegetated habitat (m) and low littoral, low tide, un-vegetated habitat (l) (Figure 3).

Coordinates: “Ciudad”: Au = 40°43'40.2"S; 64°57'41.1"W; Am = 40°43'39.0"S; 64°57'41.6"W; Al = 40°43'39.0"S; 64°57'39.5"W. “Baliza Camino”: Bu = 40°42'59.9"S; 64°50'46.8"W; Bm = 40°43'05.8"S; 64°50'58.5"W; Bl = 40°43'11.6"S; 64°51'14,6"W. “Banco Perdices”: Cu = 40°47'00.8"S; 64°50'54.3"W; Cm = 40°47'05.6"S; 64°51'17.8"W; Cl = 40°46'51.9"S; 64°51'02.8"W.

Temporal coverage

12–14 February 2009.

Methods

Sampling description: At each site and level location, four replicates (20 ml) were sampled with a PVC syringe (60 ml, inner diameter 2.9 cm) and separated by a dis-

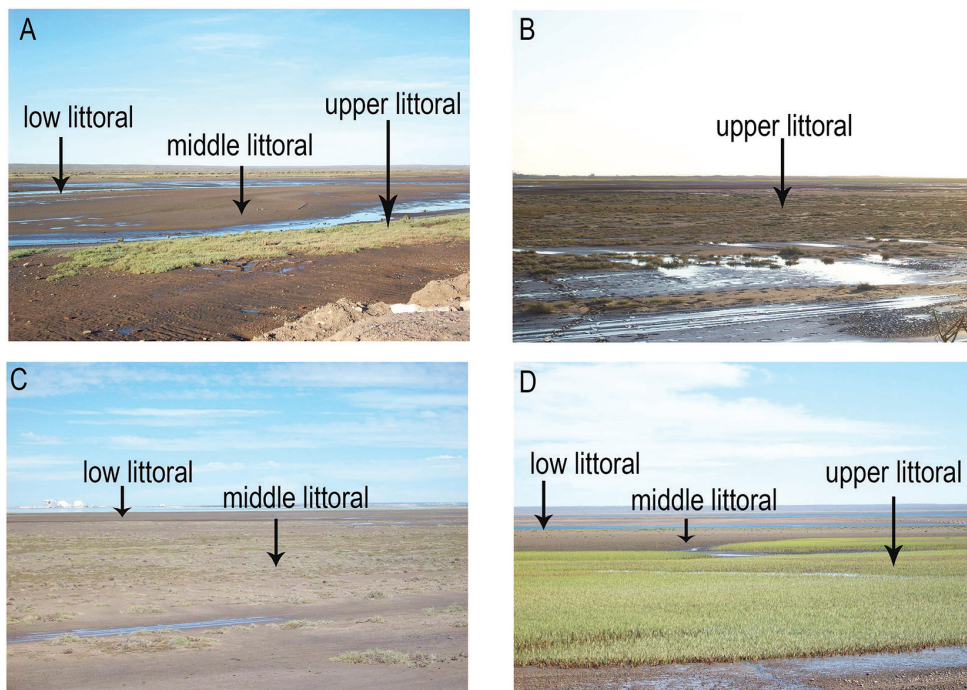


Figure 3. San Antonio Bay, Argentina. Views from the sampling sites. **A** “Ciudad” **B, C** “Baliza Camino” **D** “Banco Perdices”.

tance of 5–10 m each: four for marine nematodes counts, two for organic matter and two for sediment analyses. Each sample was fixed in situ, with a solution of 5% formaldehyde in filtered sea water with the addition of Rose Bengal tint. Marine nematodes were extracted from samples using the elutriation/decantation LUDOX™ (colloidal silica polymer) method at a specific gravity of 1.15, quantifying only organisms passing through a 500 μm mesh and then retained by a 63 μm mesh. Samples were evaporated to anhydrous glycerol and permanent slides made (Sommerfield and Warwick 1996). The taxonomic classification followed proposed by De Ley and Blaxter (2004). For the identification of species international keys (Platt and Warwick 1983, Platt and Warwick 1988, Warwick et al. 1998, Lorenzen 1994, Abebe et al. 2006) and taxonomical papers (Pastor de Ward 1978, 1980, 1984a, b, c, d, e, 1985, 1986, 1988, 1989, 1990, 1991, 1993, 1995a, b, 1996, 1998a, b, c, 1999, Pastor de Ward and Lo Russo 2009, Villares and Pastor de Ward 2012, Lo Russo et al. 2012, Villares et al. 2013, Pastor de Ward et al. 2013, Lo Russo et al. 2015) were used. Holotypes and paratypes are deposited in the Collection of Nematodes of the Centro Nacional Patagónico (CENPAT-CONICET), Chubut, Argentina recognized as National Service of Biological Data of Argentina and included in their web page from 2011 (<http://www.gbif.org/dataset/06df03fc-8973-490c-af74-089ffae9e24>; <http://www.gbif.org/dataset/d592283b-b00e-4a39-9499-289842ccddf1>).

Project details

Project title: “*Comparación de comunidades de nematodos de marismas de San Antonio Oeste (río Negro) y San Julián (Sta. Cruz)*”. [Comparison of nematode marsh communities of San Antonio Oeste (Río Negro) and San Julián (Sta. Cruz)]. Doctoral thesis Universidad Nacional del Comahue (Lo Russo 2012).

“*Diversidad funcional y producción secundaria de las comunidades de nematodos de las marismas de San Antonio (Río Negro) y de la ría de San Julián (Santa Cruz)*”. [Functional diversity and secondary production of nematode marsh communities of San Antonio (Río Negro) estuary and San Julián (Santa Cruz)]. Doctoral thesis Universidad Nacional del Comahue (Villares 2014).

Personnel: Catalina Pastor de Ward (Project Director, meio-benthos specialist), Virginia Lo Russo and Gabriela Villares (field work, nematodes identification, data collection and analysis), Viviana Milano (grant-holding student, data input), Lidia Miyashiro (Darwin core data input), Renato Mazzanti (software engineer, data base manager).

Study extent description: The San Antonio Bay marine nematodes is a dataset that gives new insights on the taxonomic and geographic distribution of south Atlantic marine nematodes, covering an under-explored region of the southern Atlantic coasts. This is the first study on marine nematodes in this site. This dataset presents species occurrences and species richness of the individual free-living marine nematodes present at three coastal areas (“Ciudad”, “Baliza Camino”, “Banco Perdices”) of the San Antonio Bay at three different tidal levels (upper, middle and low-littoral).

In total 7,443 specimens of free-living marine nematodes belonging to two classes, eight orders, 37 families, 94 genera and 140 species were collected.

Genera and Species	Family	Order	Class
<i>Odontophora peritricha</i> Wieser, 1956	Axonolaimidae	Araeolaimida	Chromadorea
<i>Synodontium</i> sp. 1	Axonolaimidae	Araeolaimida	Chromadorea
<i>Comesoma</i> sp. 1	Comesomatidae	Araeolaimida	Chromadorea
<i>Metasabatieria</i> sp. 1	Comesomatidae	Araeolaimida	Chromadorea
<i>Sabatieria mortenseni</i> (Ditlevsen, 1921)	Comesomatidae	Araeolaimida	Chromadorea
<i>Sabatieria punctata</i> (Kreis, 1924)	Comesomatidae	Araeolaimida	Chromadorea
<i>Sabatieria wieseri</i> Platt, 1985	Comesomatidae	Araeolaimida	Chromadorea
<i>Coninckia</i> sp. 1	Coninckiidae	Araeolaimida	Chromadorea
<i>Campylaimus gerlachi</i> Timm, 1961	Diplopeltidae	Araeolaimida	Chromadorea
<i>Campylaimus</i> sp. 2	Diplopeltidae	Araeolaimida	Chromadorea
<i>Diplopeltula</i> sp.1	Diplopeltidae	Araeolaimida	Chromadorea
<i>Chromadorina nudicapitata</i> Bastian, 1865	Chromadoridae	Chromadorida	Chromadorea
<i>Chromadorella</i> sp.1	Chromadoridae	Chromadorida	Chromadorea
<i>Chromadorina longispiculum</i> Pastor de Ward, 1985	Chromadoridae	Chromadorida	Chromadorea
<i>Prochromadorella</i> sp. 1	Chromadoridae	Chromadorida	Chromadorea
<i>Prochromadorella</i> sp. 2	Chromadoridae	Chromadorida	Chromadorea
<i>Actinonema</i> sp. 1	Chromadoridae	Chromadorida	Chromadorea

Genera and Species	Family	Order	Class
<i>Rhyps</i> sp. 1	Chromadoridae	Chromadorida	Chromadorea
<i>Dichromadora</i> sp. 1	Chromadoridae	Chromadorida	Chromadorea
<i>Neochromadora alejandroi</i> Lo Russo & Pastor de Ward, 2012	Chromadoridae	Chromadorida	Chromadorea
<i>Neochromadora papillosa</i> Pastor de Ward, 1865	Chromadoridae	Chromadorida	Chromadorea
<i>Spilophorella paradoxa</i> (De Man, 1888)	Chromadoridae	Chromadorida	Chromadorea
<i>Marylynnia</i> sp. 1	Cyatholaimidae	Chromadorida	Chromadorea
<i>Marylynnia</i> sp. 2	Cyatholaimidae	Chromadorida	Chromadorea
<i>Marylynnia</i> sp. 3	Cyatholaimidae	Chromadorida	Chromadorea
<i>Paracanthonchus austrospectabilis</i> Wieser, 1954	Cyatholaimidae	Chromadorida	Chromadorea
<i>Paracanthonchus punctatus</i> (Bastian, 1865)	Cyatholaimidae	Chromadorida	Chromadorea
<i>Paracanthonchus</i> sp. 1	Cyatholaimidae	Chromadorida	Chromadorea
<i>Paracanthonchus</i> sp. 2	Cyatholaimidae	Chromadorida	Chromadorea
<i>Paracanthonchus</i> sp. 3	Cyatholaimidae	Chromadorida	Chromadorea
<i>Paracyatholaimus chilensis</i> Gerlach, 1953	Cyatholaimidae	Chromadorida	Chromadorea
<i>Paracyatholaimus</i> sp. 1	Cyatholaimidae	Chromadorida	Chromadorea
<i>Pomponema</i> sp. 1	Cyatholaimidae	Chromadorida	Chromadorea
<i>Paraethmolaimus dahli</i> (Gerlach, 1953)	Ethmolaimidae	Chromadorida	Chromadorea
<i>Gammanema</i> sp. 1	Selachinematidae	Chromadorida	Chromadorea
<i>Gammanema</i> sp. 2	Selachinematidae	Chromadorida	Chromadorea
<i>Halichoanolaimus</i> sp. 1	Selachinematidae	Chromadorida	Chromadorea
<i>Latronema</i> sp. 1	Selachinematidae	Chromadorida	Chromadorea
<i>Molgolaimus</i> sp. 1	Desmodoridae	Desmodorida	Chromadorea
<i>Molgolaimus</i> sp. 2	Desmodoridae	Desmodorida	Chromadorea
<i>Metachromadora</i> sp. 1	Desmodoridae	Desmodorida	Chromadorea
<i>Metachromadora spectans</i> Gerlach, 1957	Desmodoridae	Desmodorida	Chromadorea
<i>Onyx</i> sp. 1	Desmodoridae	Desmodorida	Chromadorea
<i>Polysigma</i> sp. 1	Desmodoridae	Desmodorida	Chromadorea
<i>Spirinia septentrionalis</i> Cobb, 1914	Desmodoridae	Desmodorida	Chromadorea
<i>Bolbolaimus</i> sp. 2	Microlaimidae	Desmodorida	Chromadorea
<i>Microlaimus conothelis</i> (Lorenzen, 1973) Jensen, 1978	Microlaimidae	Desmodorida	Chromadorea
<i>Microlaimus capillaris</i> Gerlach, 1957	Microlaimidae	Desmodorida	Chromadorea
<i>Microlaimus decoratus</i> Pastor de Ward, 1991	Microlaimidae	Desmodorida	Chromadorea
<i>Microlaimus globiceps</i> De Man, 1880	Microlaimidae	Desmodorida	Chromadorea
<i>Microlaimus</i> sp. 2	Microlaimidae	Desmodorida	Chromadorea
<i>Nudora besnardi</i> (Gerlach, 1956)	Monoposthiidae	Desmodorida	Chromadorea
<i>Nudora crepidata</i> Wieser, 1954	Monoposthiidae	Desmodorida	Chromadorea
<i>Desmolaimus</i> sp. 3	Linhomoeidae	Monhysterida	Chromadorea
<i>Desmolaimus</i> sp. 4	Linhomoeidae	Monhysterida	Chromadorea
<i>Metalinhomoeus gloriae</i> Pastor de Ward, 1989	Linhomoeidae	Monhysterida	Chromadorea
<i>Metalinhomoeus parafliformis</i> Pastor de Ward, 1989	Linhomoeidae	Monhysterida	Chromadorea
<i>Metalinhomoeus typicus</i> De Man, 1907	Linhomoeidae	Monhysterida	Chromadorea
<i>Terschellingia longicaudata</i> De Man, 1907	Linhomoeidae	Monhysterida	Chromadorea
<i>Terschellingia</i> sp. 2	Linhomoeidae	Monhysterida	Chromadorea
<i>Eleutherolaimus</i> sp. 1	Linhomoeidae	Monhysterida	Chromadorea
<i>Paralinhomoeus visitus</i> Pastor de Ward, 1989	Linhomoeidae	Monhysterida	Chromadorea

Genera and Species	Family	Order	Class
<i>Siphonolaimus auratus</i> Wieser, 1956	Siphonolaimidae	Monhysterida	Chromadorea
<i>Diplolaimella gerlachi</i> Pastor de Ward, 1984	Monhysteridae	Monhysterida	Chromadorea
<i>Diplolaimella ocellata</i> (Bütschli, 1874)	Monhysteridae	Monhysterida	Chromadorea
<i>Diplolaimelloides oschei</i> Meyl, 1954	Monhysteridae	Monhysterida	Chromadorea
<i>Halomonhystera disjuncta</i> (Bastian, 1865)	Monhysteridae	Monhysterida	Chromadorea
<i>Thalassomonhystera parva</i> (Bastian, 1865)	Monhysteridae	Monhysterida	Chromadorea
<i>Sphaerolaimus pacificus</i> Allgen, 1945	Sphaerolaimidae	Monhysterida	Chromadorea
<i>Amphimonhystera</i> sp. 2	Xyalidae	Monhysterida	Chromadorea
<i>Cobbia macrodentata</i> Lo Russo & Pastor de Ward, 2012	Xyalidae	Monhysterida	Chromadorea
<i>Daptonema laxus</i> Wieser, 1956	Xyalidae	Monhysterida	Chromadorea
<i>Daptonema</i> sp. 2	Xyalidae	Monhysterida	Chromadorea
<i>Daptonema</i> sp. 3	Xyalidae	Monhysterida	Chromadorea
<i>Gonionchus</i> sp. 1	Xyalidae	Monhysterida	Chromadorea
<i>Linhystera</i> sp. 1	Xyalidae	Monhysterida	Chromadorea
<i>Metadesmolaimus</i> sp. 3	Xyalidae	Monhysterida	Chromadorea
<i>Metadesmolaimus</i> sp. 4	Xyalidae	Monhysterida	Chromadorea
<i>Metadesmolaimus</i> sp. 5	Xyalidae	Monhysterida	Chromadorea
<i>Omicronema</i> sp. 1	Xyalidae	Monhysterida	Chromadorea
<i>Paramonohystera</i> sp. 4	Xyalidae	Monhysterida	Chromadorea
<i>Promonhystera</i> sp. 1	Xyalidae	Monhysterida	Chromadorea
<i>Pseudosteineria</i> sp. 1	Xyalidae	Monhysterida	Chromadorea
<i>Rhynchonema separatum</i> Lorenzen, 1975	Xyalidae	Monhysterida	Chromadorea
<i>Rhynchonema</i> sp. 1	Xyalidae	Monhysterida	Chromadorea
<i>Rhynchonema</i> sp. 2	Xyalidae	Monhysterida	Chromadorea
<i>Rhynchonema</i> sp. 3	Xyalidae	Monhysterida	Chromadorea
<i>Theristus lorenzeni</i> Pastor de Ward, 1985	Xyalidae	Monhysterida	Chromadorea
<i>Theristus modicus</i> Wieser, 1956	Xyalidae	Monhysterida	Chromadorea
<i>Theristus</i> sp. 2	Xyalidae	Monhysterida	Chromadorea
<i>Theristus</i> sp. 3	Xyalidae	Monhysterida	Chromadorea
<i>Theristus</i> sp. 4	Xyalidae	Monhysterida	Chromadorea
<i>Theristus</i> sp. 5	Xyalidae	Monhysterida	Chromadorea
<i>Xyalidae</i> gen. 1 sp. 1	Xyalidae	Monhysterida	Chromadorea
<i>Ceramonema</i> sp. 1	Ceramonematidae	Plectida	Chromadorea
<i>Pselionema</i> sp. 1	Ceramonematidae	Plectida	Chromadorea
<i>Tarvaia</i> sp. 1	Tarvaidae	Plectida	Chromadorea
<i>Haliplectus salicornius</i> Pastor de Ward, 1984	Haliplectidae	Plectida	Chromadorea
<i>Cyartonema flexile</i> Cobb, 1920	Aegialolaimidae	Plectida	Chromadorea
<i>Cyartonema</i> sp. 1	Aegialolaimidae	Plectida	Chromadorea
<i>Deontolaimus papillatus</i> De Man, 1880	Leptolaimidae	Plectida	Chromadorea
<i>Leptolaimus luridus</i> Timm, 1963	Leptolaimidae	Plectida	Chromadorea
<i>Leptolaimus puccinelliae</i> Gerlach, 1959	Leptolaimidae	Plectida	Chromadorea
<i>Mesorhabditis</i> sp. 2	Mesorhabditidae	Rhabditida	Chromadorea
<i>Macroposthonia</i> sp. 1	Criconematidae	Rhabditida	Chromadorea
<i>Panagrolaimus</i> sp. 1	Panagrolaimidae	Rhabditida	Chromadorea
<i>Tylenchus</i> sp. 1	Tylenchidae	Rhabditida	Chromadorea

Genera and Species	Family	Order	Class
<i>Dorylaimus</i> sp. 1	Dorylaimidae	Dorylaimida	Enoplea
<i>Chaetonema patagonica</i> Lo Russo et al., 2015	Anoplostomatidae	Enoplida	Enoplea
<i>Cephalanticoma</i> sp. 1	Anticomidae	Enoplida	Enoplea
<i>Enoplus benhami</i> Ditlevsen, 1930	Enoplidae	Enoplida	Enoplea
<i>Enoplus meridionalis</i> Steiner, 1921	Enoplidae	Enoplida	Enoplea
<i>Epacanthion bicuspidatum</i> Lo Russo et al., 2012	Thoracostomopsidae	Enoplida	Enoplea
<i>Oxyonchus</i> sp. 1	Thoracostomopsidae	Enoplida	Enoplea
<i>Thoracostomopsidae</i> gen. 1 sp. 2	Thoracostomopsidae	Enoplida	Enoplea
<i>Conilia divina</i> Gerlach, 1956	Ironoidae	Enoplida	Enoplea
<i>Dolicholaimus marioni</i> De Man, 1888	Ironoidae	Enoplida	Enoplea
<i>Syringolaimus smarigdus</i> Cobb, 1928	Ironoidae	Enoplida	Enoplea
<i>Halalaimus</i> sp. 1	Oxystominidae	Enoplida	Enoplea
<i>Halalaimus</i> sp. 2	Oxystominidae	Enoplida	Enoplea
<i>Halalaimus</i> sp. 3	Oxystominidae	Enoplida	Enoplea
<i>Halalaimus</i> sp. 4	Oxystominidae	Enoplida	Enoplea
<i>Thalassoalaimus</i> sp. 2	Oxystominidae	Enoplida	Enoplea
<i>Calyptronema keiense</i> Wieser 1953	Enchelidiidae	Enoplida	Enoplea
<i>Calyptronema maxweberi</i> (De Man, 1922)	Enchelidiidae	Enoplida	Enoplea
<i>Eurystomina</i> sp. 1	Enchelidiidae	Enoplida	Enoplea
<i>Abelbolla</i> sp. 1	Enchelidiidae	Enoplida	Enoplea
<i>Adoncholaimus</i> sp. 2	Oncholaimidae	Enoplida	Enoplea
<i>Oncholaimellus paracarlbergi</i> Pastor de Ward, 1993	Oncholaimidae	Enoplida	Enoplea
<i>Viscosia macramphida</i> Chitwood, 1951	Oncholaimidae	Enoplida	Enoplea
<i>Metoncholaimus</i> sp. 1	Oncholaimidae	Enoplida	Enoplea
<i>Metoncholaimus</i> sp. 2	Oncholaimidae	Enoplida	Enoplea
<i>Oncholaimus</i> sp. 1	Oncholaimidae	Enoplida	Enoplea
<i>Oncholaimus</i> sp. 2	Oncholaimidae	Enoplida	Enoplea
<i>Lauratonema</i> sp. 1	Lauratonematidae	Enoplida	Enoplea
<i>Rhabdocoma</i> sp. 1	Trefusiidae	Enoplida	Enoplea
<i>Trefusia litoralis</i> (Allgén, 1932)	Trefusiidae	Enoplida	Enoplea
<i>Trefusiidae</i> gen. 1 sp. 1	Trefusiidae	Enoplida	Enoplea
<i>Bathylaimus australis</i> Cobb, 1894	Tripyloididae	Enoplida	Enoplea
<i>Tripyloides amazonicus</i> (Gerlach, 1957)	Tripyloididae	Enoplida	Enoplea

Quality control description: The geo-referencing of all specimens were recorded using a Garmin eTrex Legend GPS (WGS84 Datum) with an accuracy of less than 10 m and with at least 5 satellites. The taxonomic identification of specimens, scientific names, and their current accurate spelling were verified by C. Pastor de Ward, a free-living marine nematode specialist. Other post-validation procedures (including geographic coordinate format, congruence between collection and identification dates, absence of ASCII anomalous characters) were checked using the Darwin Test software (http://www.gbif.es/darwin_test/Darwin_Test_in.php).

Dataset description

Object name: Darwin Core Archive free-living marine Nematodes from San Antonio Bay (Río Negro, Argentina).

Character encoding: UTF-8

Format name: Darwin Core Archive format

Format version: 1.0

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