Supplementary table S1. List of the sites and associated information.

No.	Site name	Code	Latitude (N)	Longitude (W)	Depth (m)	Habitat	Sampling / processing details	Reference
1	Calle 16 - *Lobophora*	C16_Lob	23 07.73	-82 25.24	9-21	Macroalgae thallus	Macroalgae thalli were carefully collected by hand using SCUBA diving and stored in nylon bags. Macroalgae belonged to 6 species (4 replicates each) and had different degree of fractal complexity. Mesh sieve: 45 μm	[1]
2	Calle 16 - *Dictyopteris*	C16_Dic	23 07.73	-82 25.24	9-21	Macroalgae thallus		
3	Calle 16 - *Amphiroa*	C16_Amp	23 07.73	-82 25.24	9-21	Macroalgae thallus		
4	Calle 16 - *Bryothamnion sp.* 1	C16_Bry1	23 07.73	-82 25.24	9-21	Macroalgae thallus		
5	Calle 16 - *Bryothamnion sp.* 2	C16_Bry2	23 07.73	-82 25.24	9-21	Macroalgae thallus		
6	Calle 16 - *Halimeda*	C16_Hal	23 07.73	-82 25.24	9-21	Macroalgae thallus		
7	Cave Emilio	C_Emi	22 46.43	-82 41.52	~ 1	Freshwater cave	Sediment (ca. 5 l per cave) was collected by gently trawl jars along the sediment-water interface. Nematodes extracted from sediment by flotation in high density solution. Mesh sieve: 45 μm	[2]
8	Cave El Agua	C_Agu	23 01.59	-81 16.59	~ 1	Freshwater cave		
9	Cave Saturno	C_Sat	23 07.84	-81 18.36	~ 20	Freshwater cave		
10	Cave El Brinco	C_Bri	22 04.32	-81 03.22	~ 60	Anchialine cave		
11	Cave El Sitio	C_Sit	22 46.12	-82 41.05	~ 1	Freshwater cave		
12	Cave El Tunel	C_Tun	22 50.43	-82 24.39	~ 1	Freshwater cave		
13	Cienfuegos Bay - Station 5	CB_5	22 07.48	-80 29.55	12	Unvegetated mud	Cores of sediment (2.6 cm diameter, and 6 cm deep) were collected using SCUBA diving. 4 replicates per site in 3 sampling events. Nematodes extracted from sediment by flotation in high density solution. Mesh sieve: 45 μm	[3]
14	Cienfuegos Bay - Station 7a	CB_7a	22 10.09	-80 30.47	10	Unvegetated mud		
15	Cienfuegos Bay - Station 10	CB_10	22 09.19	-80 27.16	5	Unvegetated mud		
16	Cienfuegos Bay - Station 12	CB_12	22 07.55	-80 27.23	9	Unvegetated mud		
17	Cienfuegos Bay - Station 12a	CB_12a	22 07.55	-80 27.23	5	Unvegetated mud		
18	Cienfuegos Bay - Station 15	CB_15	22 05.33	-80 26.00	14	Unvegetated mud		
19	Punta Francés	P1	21 37.13	-83 11.40	2-4	Coral degradation zone	All the dead coral fragments in the superficial 5–6 cm inside a frame of 10 cm × 10 cm were	[4]
20	Punta Francés	P2	21 35.80	-83 10.36	2-4	Coral degradation zone		

21	Ballenatos	B1	21 34.71	-81 38.41	2-6	Coral degradation zone	collected using SCUBA diving. Fragments were stored in jars and in the lab washed to remove the nematodes. Mesh sieve: 45 μm
22	Ballenatos	B2	21 35.03	-81 37.23	2-6	Coral degradation zone	
23	Ballenatos	B3	21 34.96	-81 35.84	2-6	Coral degradation zone	
24	Ballenatos	B4	21 35.20	-81 34.72	2-6	Coral degradation zone	
25	Centro	C	23 21.10	-82 20.38	12	Unvegetated mud	Sediment was collected with a box corer (0.037 m² of effective area) with 3 replicates per site. Two sampling events (2006 and 2016). No subsampling. Nematodes extracted from sediment by flotation in high density solution. Mesh sieve: 45 μm
26	Marimelena	M	23 08.07	-82 20.08	12	Unvegetated mud	
27	Guasabacoa	G	23 07.23	-82 20.34	9	Unvegetated mud	
28	Atares	A	23 07.23	-82 21.18	10	Unvegetated mud	Unpublished
29	Punta Francés	PF_SM	21 36.00	-83 03.00	2	Seagrass meadow	Seagrass as in 37–51, bare sand as in 13–18, coral degradation zone as in 21–24. Algal turf on hard substrate collected by hand within a plastic cylinder of 11 cm diameter, all the material stored in nylon bags. Mesh sieve: 45 μm
30	Punta Francés	PF_BS	21 36.00	-83 03.00	3	Bare sand	
31	Punta Francés	PF_CR	21 36.00	-83 03.00	2	Coral degradation zone	
32	Punta Francés	PF_AT	21 36.00	-83 03.00	2	Algal turf	
33	Cabezo de Moya	CM_SM	21 36.00	-83 10.00	2	Seagrass meadow	
34	Cabezo de Moya	CM_BS	21 36.00	-83 10.00	3	Bare sand	
35	Cabezo de Moya	CM_CR	21 36.00	-83 10.00	2	Coral degradation zone	[5]
36	Cabezo de Moya	CM_AT	21 36.00	-83 10.00	2	Algal turf	
37	Rincón de Guanabo	RG	23 10.62	-82 05.95	2	Seagrass meadow	Cores of sediment (2.6 cm diameter, and 6 cm deep) were collected using SCUBA diving. 4 replicates per site. Nematodes extracted from sediment by flotation in high density solution. Mesh sieve: 45 μm
38	G. Guanahacabibes - Pasto Occidental	GG_14	22 00.58	-84 48.78	5	Seagrass meadow	
39	G. Batabanó - Norte Traviesa	GB_NT	21 55.56	-81 58.35	5	Seagrass meadow	
40	G. Batabanó - Canal C. Largo	GB_CA	21 36.52	-81 34.95	3	Seagrass meadow	Unpublished
41	G. Batabanó - Pasa de Rosario	GB_CR	21 38.03	-81 56.34	1	Seagrass meadow	
42	G. Batabanó - Punta Gorda	GB_PG	22 21.90	-82 10.30	3	Seagrass meadow	

43	G. Batabanó - Punta Francés	GB_PF	21 37.00	-83 11.59	2	Seagrass meadow	
44	G. Ana María - N Anclitas	GA_NA	20 50.67	-78 54.75	3	Seagrass meadow	
45	G. Ana María - N Caballones	GA_NC	20 52.51	-78 58.18	2	Seagrass meadow	
46	G. Ana María - Patana	GA_PA	20 48.86	-78 52.98	3	Seagrass meadow	
47	G. Ana María- S Algodón Grande	GA_AGS	21 05.29	-78 43.59	2	Seagrass meadow	
48	G. Ana María - N Algodón Grande	GA_AGN	21 06.34	-78 43.21	2	Seagrass meadow	
49	Oriente S - Sierra Mar	OS_SM	19 57.90	-76 19.47	1	Seagrass meadow	
50	Oriente S - Farallón	OS_F	19 54.57	-77 12.04	1	Seagrass meadow	
51	Oriente N - Playa Caletones	ON	21 12.32	-76 14.20	1	Seagrass meadow	
52	Cabo de San Antonio	WB 37-500	22 11.09	-84 52.24	1209	Deep water	
53	Mantua	WB 38-750	22 28.73	-84 41.56	1670	Deep water	Three sediment cores (11.5 cm diameter) were collected from a single deployment of a multicorer per site. Top 5 cm of the sediment was analyzed. No subsampling was done. Meiofauna extracted from sediment by flotation in high density solution. Mesh size: 45 μm
54	Cayo Jutía	WB 39-750	22 48.32	-84 06.53	1296	Deep water	
55	Cayo Levisa	WB 40-750	23 00.15	-83 40.77	1580	Deep water	
56	Bahía Honda B	WB 41-500	23 02.26	-83 11.24	974	Deep water	
57	Bahía Honda A	WB 41-750	23 05.13	-83 11.82	1513	Deep water	Unpublished
58	Bahía Cabañas	WB 42-750	23 05.84	-82 59.03	1420	Deep water	
59	Bahía Mariel	WB 43-750	23 07.73	-82 43.91	1535	Deep water	
60	Bahía Habana	WB 44-750	23 14.37	-82 20.35	1430	Deep water	

Supplementary table S2. The five biological traits associated to each nematode species.

Species	c-p value	Trophic group	Amphidial fovea shape	Cuticle	Tail shape
Acantholaimus maks	3	2A	circular	punctated/annulated	elongated/filiform
Acantholaimus megamphis	3	2A	circular	punctated/annulated	elongated/filiform
Acanthonchus cobbi	3	2A	spiral	punctated/annulated	conical
Acanthonchus pungionatus	3	2A	spiral	punctated/annulated	conical
Acanthonchus rostratus	3	2A	spiral	punctated/annulated	conical
Acanthonchus sp.	3	2A	spiral	punctated/annulated	conical
Acanthonchus viviparus	3	2A	spiral	punctated/annulated	conical
Acanthopharynx denticulata	3	2A	spiral	punctated/annulated	conical
Acanthopharynx rigida	3	2A	spiral	punctated/annulated	conical
Actinonema fidatum	3	2A	slit-like	punctated/annulated	elongated/filiform
Actinonema longicaudatum	3	2A	slit-like	punctated/annulated	elongated/filiform
Actinonema pachydermatum	3	2A	slit-like	punctated/annulated	elongated/filiform
Adoncholaimus sp.	4	2B	pocket	smooth	clavate/conico-cylindrical
Aegialoalaimus tenuicaudatus	4	1A	circular	smooth	conical
Aegialoalaimus sp.	4	1A	circular	smooth	conical
Ammotheristus sp.	2	1B	circular	punctated/annulated	conical
Amphimonhystera sp.	2	1B	circular	punctated/annulated	conical
Amphimonhystrella megastoma	2	1B	circular	punctated/annulated	conical
Anoplostoma viviparum	2	1B	pocket	smooth	clavate/conico-cylindrical
Anoplostoma sp.	2	1B	pocket	smooth	clavate/conico-cylindrical
Anticoma lata	2	1B	pocket	smooth	elongated/filiform
Anticoma sp.	2	1B	pocket	smooth	elongated/filiform
Anticoma trichura	2	1B	pocket	smooth	elongated/filiform
Apenodraconema chlidosis	4	1A	spiral	punctated/annulated	conical
Aphanolaimus sp.		1A	circular	punctated/annulated	conical
Aponchium cylindricolle	3	2A	circular	punctated/annulated	conical
Aponchium sp.	3	2A	circular	punctated/annulated	conical

Aponema sp.	3	2A	circular	punctated/annulated	clavate/conico-cylindrical
Aponema torosum	3	2A	circular	punctated/annulated	clavate/conico-cylindrical
Araeolaimus boomerangifer	3	1A	rounded/elongated loop	punctated/annulated	conical
Araeolaimus elegans	3	1A	rounded/elongated loop	punctated/annulated	conical
Astomonema sp.	3	-	circular	punctated/annulated	conical
Bathyepsilonema sp.	4	2A	spiral	punctated/annulated	conical
Bathyeurystomina sp.	4	2B	indistinct	smooth	clavate/conico-cylindrical
Bodonema vossi		1A	circular	smooth	conical
Bolbolaimus riemanni	3	2A	circular	punctated/annulated	conical
Bolbolaimus sp	3	2A	circular	punctated/annulated	conical
Bolbonema sp.	3	2A	circular	punctated/annulated	conical
Calomicrolaimus sp	3	2A	circular	punctated/annulated	conical
Calyptronema acuminatum	4	2A	pocket	smooth	conical
Camacolaimus longicauda	3	2A	spiral	punctated/annulated	conical
Campylaimus sp.	3	1A	rounded/elongated loop	punctated/annulated	clavate/conico-cylindrical
Cephalanticoma chitwoodi	2	2A	pocket	smooth	elongated/filiform
Cephalanticoma sp.	2	2A	pocket	smooth	elongated/filiform
Ceramonema attenuatum	3	1A	rounded/elongated loop	body annules w/ ridges	conical
Ceramonema carinatum	3	1A	rounded/elongated loop	body annules w/ ridges	conical
Ceramonema filipjevi	3	1A	rounded/elongated loop	body annules w/ ridges	conical
Ceramonema reticulatum	3	1A	rounded/elongated loop	body annules w/ ridges	conical
Ceramonema sp.	3	1A	rounded/elongated loop	body annules w/ ridges	conical
Ceramonema yunfengi	3	1A	rounded/elongated loop	body annules w/ ridges	conical
Cervonema macramphis	2	1A	spiral	punctated/annulated	clavate/conico-cylindrical
Cheironchus sp.	3	2B	spiral	punctated/annulated	conical
Cheironchus vorax	3	2B	spiral	punctated/annulated	conical
Choanolaimus psammophilus	3	2B	spiral	punctated/annulated	conical
Chromadora brevipapillata	3	2A	slit-like	punctated/annulated	conical
Chromadora macrolaimoides	3	2A	slit-like	punctated/annulated	conical
Chromadora nudicapitata	3	2A	slit-like	punctated/annulated	conical
Chromadorella filiformis	3	2A	slit-like	punctated/annulated	conical

Chromadorella macris	3	2A	slit-like	punctated/annulated	conical
Chromadorella paramucrodonta	3	2A	slit-like	punctated/annulated	conical
Chromadorella sp.	3	2A	slit-like	punctated/annulated	conical
Chromadorina sp.	3	2A	slit-like	punctated/annulated	conical
Chromadorita sp.	3	2A	slit-like	punctated/annulated	conical
Chromadorita tenuis	3	2A	slit-like	punctated/annulated	conical
Chromaspirina inglisi	3	2A	spiral	punctated/annulated	conical
Chromaspirina sp.	3	2A	spiral	punctated/annulated	conical
Cienfuegia cachoi	2	1B	circular	punctated/annulated	elongated/filiform
Cobbia cf. caledonia	3	2A	circular	punctated/annulated	conical
Cobbia sp.	3	2A	circular	punctated/annulated	conical
Comesa warwicki	3	2A	spiral	punctated/annulated	conical
Comesoma arenae	2	2A	spiral	punctated/annulated	clavate/conico-cylindrical
Comesoma sp.	2	2A	spiral	punctated/annulated	clavate/conico-cylindrical
Crenopharynx marioni	4	1A	pocket	smooth	elongated/filiform
Crenopharynx paralepturus	4	1A	pocket	smooth	elongated/filiform
Crenopharynx sp.	4	1A	pocket	smooth	elongated/filiform
Cricolaimus elongatus		2A	rounded/elongated loop	punctated/annulated	conical
Croconema cinctum	2	2A	rounded/elongated loop	punctated/annulated	conical
Croconema mawsoni	2	2A	rounded/elongated loop	punctated/annulated	conical
Croconema sp.	2	2A	rounded/elongated loop	punctated/annulated	conical
Cyartonema germanicum	4	1A	circular	punctated/annulated	clavate/conico-cylindrical
Cyatholaimus sp.	3	2A	spiral	punctated/annulated	conical
Cylicolaimus magnus	5	2B	pocket	smooth	short/blunt
Cylicolaimus sp.	5	2B	pocket	smooth	short/blunt
Daptonema longicaudatus	2	1B	circular	punctated/annulated	elongated/filiform
Daptonema longissimecaudatus	2	1B	circular	punctated/annulated	elongated/filiform
Daptonema normandicum	2	1B	circular	punctated/annulated	clavate/conico-cylindrical
Daptonema oxycerca	2	1B	circular	punctated/annulated	clavate/conico-cylindrical
Daptonema proprium	2	1B	circular	punctated/annulated	elongated/filiform
Daptonema sp.	2	1B	circular	punctated/annulated	clavate/conico-cylindrical

Dasynemoides sp.	3	1A	rounded/elongated loop	body annules w/ ridges	conical
Demonema rapax	3	2B	spiral	punctated/annulated	elongated/filiform
Demonema sp.	3	2B	spiral	punctated/annulated	elongated/filiform
Deontolaimus sp.	3	2B	circular	punctated/annulated	conical
Desmodora deconincki	2	2A	spiral	punctated/annulated	conical
Desmodora pilosa	2	2A	spiral	punctated/annulated	conical
Desmodora pontica	2	2A	spiral	punctated/annulated	conical
Desmodora scaldensis	2	2A	spiral	punctated/annulated	conical
Desmodora sp.	2	2A	spiral	punctated/annulated	conical
Desmodorella balteata	3	2A	spiral	punctated/annulated	conical
Desmodorella tenuispiculum	3	2A	spiral	punctated/annulated	conical
Desmolaimus brasiliensis	2	1B	circular	punctated/annulated	conical
Desmolaimus sp.	2	1B	circular	punctated/annulated	conical
Desmoscolex sp.	4	1A	circular	desmens	conical
Dichromadora amphidiscoides	2	2A	circular	punctated/annulated	elongated/filiform
Dichromadora apapillata	2	2A	slit-like	punctated/annulated	conical
Dichromadora sp.	2	2A	slit-like	punctated/annulated	conical
Didelta maculatum	2	1B	rounded/elongated loop	punctated/annulated	elongated/filiform
Didelta scutatum	2	1B	rounded/elongated loop	punctated/annulated	elongated/filiform
Didelta scutellatum	2	1B	rounded/elongated loop	punctated/annulated	elongated/filiform
Didelta sp.	2	1B	rounded/elongated loop	punctated/annulated	elongated/filiform
Diplolaimelloides sp.	1	1B	circular	punctated/annulated	elongated/filiform
Diplopeltis cirrhatus	3	1A	rounded/elongated loop	punctated/annulated	conical
Diplopeltoides sp.	3	1A	rounded/elongated loop	punctated/annulated	conical
Diplopeltula sp.	3	1A	rounded/elongated loop	punctated/annulated	conical
Disconema longicaudatum	2	1A	rounded/elongated loop	punctated/annulated	elongated/filiform
Disconema suecicum	2	1A	rounded/elongated loop	punctated/annulated	clavate/conico-cylindrical
Disconema sp.	2	1A	rounded/elongated loop	punctated/annulated	clavate/conico-cylindrical
Doliolaimus sp.	3	2B	Circular	punctated/annulated	conical
Dorylaimopsis punctata	2	2B	spiral	punctated/annulated	clavate/conico-cylindrical
Dorylaimopsis sp.	2	2B	spiral	punctated/annulated	clavate/conico-cylindrical

Draconema sp.	4	1A	rounded/elongated loop	punctated/annulated	conical
Elzalia floresi	2	1B	circular	punctated/annulated	clavate/conico-cylindrical
Elzalia sp.	2	1B	circular	punctated/annulated	clavate/conico-cylindrical
Enchonema umbrosum	2	1B	circular	punctated/annulated	clavate/conico-cylindrical
Endeolophos fossiferus	3	2A	slit-like	punctated/annulated	conical
Endeolophos minutus	3	2A	slit-like	punctated/annulated	conical
Enoploides bisulcus	2	2B	indistinct	punctated/annulated	clavate/conico-cylindrical
Enoploides longicaudatus	2	2B	indistinct	punctated/annulated	clavate/conico-cylindrical
Enoploides sp.	2	2B	indistinct	punctated/annulated	clavate/conico-cylindrical
Enoplolaimus mus	2	2B	indistinct	smooth	clavate/conico-cylindrical
Enoplolaimus regius	2	2B	indistinct	smooth	clavate/conico-cylindrical
Enoplolaimus sp.	2	2B	indistinct	smooth	clavate/conico-cylindrical
Enoplus sp.	5	2B	indistinct	smooth	clavate/conico-cylindrical
Epacanthion galeatum	2	2B	indistinct	smooth	clavate/conico-cylindrical
Epsilonema sp.	4	1A	spiral	punctated/annulated	conical
Ethmolaimus sp.	3	2A	spiral	punctated/annulated	conical
Eubostrichus hopperi	3	1A	spiral	bacteria covering	conical
Eubostrichus sp.	3	1A	spiral	bacteria covering	conical
Euchromadora atypica	3	2A	indistinct	punctated/annulated	conical
Euchromadora gaulica	3	2A	indistinct	punctated/annulated	conical
Euchromadora sp.	3	2A	indistinct	punctated/annulated	conical
Euchromadora vulgaris	3	2A	indistinct	punctated/annulated	conical
Eudorylaimus granuliferus	4	2B	indistinct	smooth	short/blunt
Eumorpholaimus sp.	2	1B	circular	punctated/annulated	clavate/conico-cylindrical
Eurystomina minutisculae	4	2B	slit-like	smooth	conical
Eurystomina sp.	4	2B	slit-like	smooth	conical
Eurystomina sudensis	4	2B	slit-like	smooth	conical
Filitonchus ewensis	3	2A	spiral	punctated/annulated	conical
Filoncholaimus prolatus	4	2B	pocket	smooth	elongated/filiform
Gammanema sp.	3	2B	spiral	punctated/annulated	elongated/filiform
Geomonhystera sp.	1	1B	circular	punctated/annulated	conical

Glochinema sp.	4	1A	spiral	punctated/annulated	conical
Gnomoxyala sp.	2	1B	circular	punctated/annulated	clavate/conico-cylindrical
Gomphionema typicum	3	2A	spiral	punctated/annulated	conical
Graphonema sp.	3	2A	slit-like	punctated/annulated	conical
Greeffiella dasyura	4	1A	circular	punctated/annulated	conical
Greeffiella sp.	4	1A	circular	punctated/annulated	conical
Halalaimus anne	4	1A	longitudinal slit	punctated/annulated	elongated/filiform
Halalaimus bulbocaudatus	4	1A	longitudinal slit	punctated/annulated	elongated/filiform
Halalaimus curvicaudatus	4	1A	longitudinal slit	punctated/annulated	elongated/filiform
Halalaimus filicollis	4	1A	longitudinal slit	punctated/annulated	elongated/filiform
Halalaimus floridanus	4	1A	longitudinal slit	punctated/annulated	elongated/filiform
Halalaimus gracilis	4	1A	longitudinal slit	punctated/annulated	elongated/filiform
Halalaimus monstrocaudatus	4	1A	longitudinal slit	punctated/annulated	elongated/filiform
Halichoanolaimus chordiurus	3	2B	spiral	punctated/annulated	elongated/filiform
Halichoanolaimus duodecimpapillatus	3	2B	spiral	punctated/annulated	elongated/filiform
Halichoanolaimus filicauda	3	2B	spiral	punctated/annulated	elongated/filiform
Halichoanolaimus macrophallus	3	2B	spiral	punctated/annulated	elongated/filiform
Halichoanolaimus quattuordecimpapillatus	3	2B	spiral	punctated/annulated	elongated/filiform
Halichoanolaimus sp.	3	2B	spiral	punctated/annulated	elongated/filiform
Haliplectus sp.	3	1A	circular	punctated/annulated	conical
Hopperia muscatensis	2	2B	spiral	punctated/annulated	clavate/conico-cylindrical
Hopperia sp.	2	2B	spiral	punctated/annulated	clavate/conico-cylindrical
Innocuonema asymmetricum	3	2A	slit-like	punctated/annulated	conical
Intasia nojii	3	1A	rounded/elongated loop	punctated/annulated	conical
Ironus ignavus	4	2B	pocket	smooth	elongated/filiform
Laimella longicaudata	2	2A	spiral	punctated/annulated	clavate/conico-cylindrical
Latronema sp.	3	2B	spiral	punctated/annulated w/ longitudinal structures	conical
Laxus cosmopolitus	3	1A	spiral	bacteria covering	conical
Laxus parvum	3	1A	spiral	bacteria covering	conical
Laxus sp.	3	1A	spiral	bacteria covering	conical

Ledovitia sp.	4	2B	pocket	smooth	clavate/conico-cylindrical
Leptepsilonema richardi	4	1A	spiral	punctated/annulated	conical
Leptepsilonema sp.	4	1A	spiral	punctated/annulated	conical
Leptolaimus acicula	2	1A	circular	punctated/annulated	elongated/filiform
Leptolaimus danicus	2	1A	circular	punctated/annulated	clavate/conico-cylindrical
Leptolaimus papilliger	2	1A	circular	punctated/annulated	clavate/conico-cylindrical
Leptonemella brevipharynx	3	1A	spiral	bacteria covering	conical
Leptonemella cincta	3	1A	spiral	bacteria covering	conical
Leptosomatum sp.	5	1A	pocket	smooth	short/blunt
Linhomoeus dolichocaudatus	2	1B	circular	punctated/annulated	elongated/filiform
Linhomoeus dolichurus	2	1B	circular	punctated/annulated	elongated/filiform
Linhomoeus elongatus	2	1B	circular	punctated/annulated	conical
Linhomoeus lepturus	2	1B	circular	punctated/annulated	clavate/conico-cylindrical
Linhomoeus paralongicaudatus	2	1B	circular	punctated/annulated	elongated/filiform
Linhomoeus sp.	2	1B	circular	punctated/annulated	clavate/conico-cylindrical
Linhystera problematica	2	1A	circular	punctated/annulated	clavate/conico-cylindrical
Linhystera sp.	2	1A	circular	punctated/annulated	clavate/conico-cylindrical
Longicyatholaimus capsulatus	3	2A	spiral	punctated/annulated	elongated/filiform
Longicyatholaimus egregius	3	2A	spiral	punctated/annulated	elongated/filiform
Longicyatholaimus longicaudatus	3	2A	spiral	punctated/annulated	elongated/filiform
Longicyatholaimus sp.	3	2A	spiral	punctated/annulated	elongated/filiform
Lyranema sp.	4	2B	slit-like	smooth	clavate/conico-cylindrical
Manganonema sp.	2	1A	circular	punctated/annulated	clavate/conico-cylindrical
Marylynnia annae	3	2A	spiral	punctated/annulated	clavate/conico-cylindrical
Marylynnia eratos	3	2A	spiral	punctated/annulated	clavate/conico-cylindrical
Marylynnia johanseni	3	2A	spiral	punctated/annulated	elongated/filiform
Marylynnia sp.	3	2A	spiral	punctated/annulated	elongated/filiform
Megadesmolaimus sp.	2	1B	circular	punctated/annulated	clavate/conico-cylindrical
Megadesmolaimus uncinatus	2	1B	circular	punctated/annulated	conical
Mesacanthion sp.	3	2B	indistinct	smooth	clavate/conico-cylindrical
Mesacanthoides psittacus	2	2B	indistinct	punctated/annulated	clavate/conico-cylindrical

Metachromadora pulvinata	2	2A	spiral	punctated/annulated	conical
Metachromadora sp.	2	2A	spiral	punctated/annulated	conical
Metacomesoma sp.	2	1B	spiral	punctated/annulated	clavate/conico-cylindrical
Metacyatholaimus chabaudi	2	2A	spiral	punctated/annulated	elongated/filiform
Metacyatholaimus effilatus	2	2A	spiral	punctated/annulated	elongated/filiform
Metadasynemella cassidiniensis	3	1A	rounded/elongated loop	body annules w/ ridges	conical
Metadasynemella falciphalla	3	1A	rounded/elongated loop	body annules w/ ridges	conical
Metadasynemella sp.	3	1A	rounded/elongated loop	body annules w/ ridges	conical
Metadesmolaimus coronatus	2	1B	circular	punctated/annulated	clavate/conico-cylindrical
Metadesmolaimus sp.	2	1B	circular	punctated/annulated	clavate/conico-cylindrical
Metalinhomoeus biformis	2	1B	circular	punctated/annulated	elongated/filiform
Metalinhomoeus effilatus	2	1B	circular	punctated/annulated	elongated/filiform
Metalinhomoeus flagellicaudatus	2	1B	circular	punctated/annulated	elongated/filiform
Metalinhomoeus sp.	2	1B	circular	punctated/annulated	elongated/filiform
Metalinhomoeus variabilis	2	1B	circular	punctated/annulated	conical
Metasphaerolaimus crassicauda	3	2B	Circular	punctated/annulated	conical
Metasphaerolaimus sp.	3	2B	Circular	punctated/annulated	conical
Metepsilonema sp.	4	1A	spiral	punctated/annulated	conical
Meyersia major	4	2B	pocket	smooth	clavate/conico-cylindrical
Micoletzkyia elegans	4	1A	pocket	smooth	elongated/filiform
Micoletzkyia sp.	4	1A	pocket	smooth	elongated/filiform
Microlaimus cyatholaimoides	3	2A	circular	punctated/annulated	conical
Microlaimus sp.	3	2A	circular	punctated/annulated	conical
Minolaimus sp.	2	1A	spiral	punctated/annulated	elongated/filiform
Molgolaimus cuanensis	2	2A	spiral	punctated/annulated	clavate/conico-cylindrical
Monhysteroides bulbiferus	2	1A	circular	punctated/annulated	elongated/filiform
Monhysteroides macramphidus	2	1A	circular	punctated/annulated	elongated/filiform
Monhystrella sp.	1	1A	circular	punctated/annulated	elongated/filiform
Monoposthia mirabilis	3	2A	circular	punctated/annulated w/ longitudinal structures	conical
Nannolaimoides sp.	3	2A	spiral	punctated/annulated	conical

Nannolaimus phaleratus	3	2A	spiral	punctated/annulated	conical
Nemanema sp.	4	1A	pocket	punctated/annulated	conical
Neochromadora nicolae	2	2A	slit-like	punctated/annulated	conical
Neochromadora oshoroana	2	2A	slit-like	punctated/annulated	conical
Neotonchus sp.	2	2A	spiral	punctated/annulated	conical
Odontophora bermudensis	2	2B	rounded/elongated loop	punctated/annulated	conical
Odontophora sp.	2	2B	rounded/elongated loop	punctated/annulated	conical
Onchium sp.	3	2B	circular	punctated/annulated	conical
Oncholaimellus sp.	3	2B	pocket	smooth	clavate/conico-cylindrical
Oxyonchus sp.	2	2B	indistinct	smooth	clavate/conico-cylindrical
Oxystomina affinis	4	1A	pocket	punctated/annulated	clavate/conico-cylindrical
Oxystomina sp.	4	1A	pocket	punctated/annulated	clavate/conico-cylindrical
Paracanthonchus austrospectabilis	2	2A	spiral	punctated/annulated	conical
Paracanthonchus breviseta	2	2A	spiral	punctated/annulated	conical
Paracanthonchus longicaudatus	2	2A	spiral	punctated/annulated	elongated/filiform
Paracanthonchus perspicuus	2	2A	spiral	punctated/annulated	conical
Paracanthonchus platypus	2	2A	spiral	punctated/annulated	conical
Paracanthonchus sp.	2	2A	spiral	punctated/annulated	conical
Paracomesoma dubium	2	2A	spiral	punctated/annulated	clavate/conico-cylindrical
Paracomesoma sp.	2	2A	spiral	punctated/annulated	clavate/conico-cylindrical
Paracyatholaimoides multispiralis	3	2A	spiral	punctated/annulated	conical
Paracyatholaimoides sp.	3	2A	spiral	punctated/annulated	conical
Paracyatholaimus helicellus	2	2A	spiral	punctated/annulated	conical
Paracyatholaimus oistospiculoides	2	2A	spiral	punctated/annulated	conical
Paradesmodora immersa	3	2A	spiral	punctated/annulated	conical
Paradesmodora campbelli	3	2A	spiral	punctated/annulated	conical
Paradraconema sp.	4	1A	rounded/elongated loop	punctated/annulated	conical
Paralongicyatholaimus macramphis	3	2A	spiral	punctated/annulated	elongated/filiform
Paralongicyatholaimus sp.	3	2A	spiral	punctated/annulated	elongated/filiform
Paramesacanthion sp.	2	2B	indistinct	smooth	clavate/conico-cylindrical
Paramicrolaimus sp.	3	2A	circular	punctated/annulated	conical

Paramonohystera levicula	2	1B	circular	punctated/annulated	clavate/conico-cylindrical
Paramonohystera proteus	2	1B	circular	punctated/annulated	clavate/conico-cylindrical
Paranticoma sp.	2	1B	pocket	smooth	elongated/filiform
Parapomponema hastatum	3	2A	spiral	punctated/annulated	clavate/conico-cylindrical
Pareudesmoscolex sp.	4	1A	circular	punctated/annulated	conical
Pareurystomina acuminata	4	2B	spiral	smooth	conical
Pareurystomina sp.	4	2B	spiral	smooth	conical
Parodontophora cobbi	2	2B	rounded/elongated loop	punctated/annulated	clavate/conico-cylindrical
Parodontophora sp.	2	2B	rounded/elongated loop	punctated/annulated	clavate/conico-cylindrical
Parodontophora xenotricha	2	2B	rounded/elongated loop	punctated/annulated	clavate/conico-cylindrical
Paroxystomina asymmetrica	4	1A	pocket	punctated/annulated	conical
Paroxystomina micoletzkyi	4	1A	pocket	punctated/annulated	conical
Perspiria sp.	3	2A	spiral	punctated/annulated	conical
Phanoderma albidum	4	2A	pocket	smooth	clavate/conico-cylindrical
Phanoderma laticolle	4	2A	pocket	smooth	clavate/conico-cylindrical
Phanoderma serratum	4	2A	pocket	smooth	clavate/conico-cylindrical
Phanoderma sp.	4	2A	pocket	smooth	clavate/conico-cylindrical
Phanoderma unica	4	2A	pocket	smooth	clavate/conico-cylindrical
Phanodermella flagellicaudata	4	2A	pocket	smooth	elongated/filiform
Phanodermella sp.	4	2A	pocket	smooth	elongated/filiform
Phanodermopsis longisetae	4	1A	pocket	smooth	clavate/conico-cylindrical
Phanodermopsis sp.	4	1A	pocket	smooth	clavate/conico-cylindrical
Pierrickia decasetosa	2	1A	spiral	punctated/annulated	clavate/conico-cylindrical
Pierrickia sp.	2	1A	spiral	punctated/annulated	clavate/conico-cylindrical
Platycoma cephalata	3	2A	pocket	smooth	conical
Platycoma sudafricana	3	2A	pocket	smooth	conical
Platycomopsis sp.	3	1A	pocket	smooth	short/blunt
Polygastrophora maior	4	2B	spiral	smooth	clavate/conico-cylindrical
Polygastrophora sp.	4	2B	spiral	smooth	clavate/conico-cylindrical
Pomponema clavicaudatum	4	2A	spiral	punctated/annulated	clavate/conico-cylindrical
Pomponema concinnum	4	2A	spiral	punctated/annulated	clavate/conico-cylindrical

Species					
Pomponema sp.	4	2A	spiral	punctated/annulated	clavate/conico-cylindrical
Pontonema sp.	4	2B	pocket	smooth	conical
Procamacolaimus papillosus	3	2A	circular	punctated/annulated	conical
Prochaetosoma sp.	4	1A	rounded/elongated loop	punctated/annulated	conical
Prochromadora sp.	3	2A	slit-like	punctated/annulated	conical
Prochromadora trisupplementa	3	2A	slit-like	punctated/annulated	conical
Prochromadorella ditlevseni	3	2A	slit-like	punctated/annulated	conical
Prochromadorella salpingifera	3	2A	slit-like	punctated/annulated	conical
Promonhystera faber	2	1B	circular	punctated/annulated	clavate/conico-cylindrical
Promonhystera sp.	2	1B	circular	punctated/annulated	clavate/conico-cylindrical
Prooncholaimus ornatus	4	2B	pocket	smooth	clavate/conico-cylindrical
Protricoma sp.	4	1A	circular	punctated/annulated	conical
Pselionema simile	3	1A	rounded/elongated loop	body annules w/ ridges	conical
Pselionema sp.	3	1A	rounded/elongated loop	body annules w/ ridges	conical
Pseudaraeolaimus sp.	3	1A	rounded/elongated loop	punctated/annulated	conical
Pseudoterschellingia ibarrae	3	1A	circular	punctated/annulated	clavate/conico-cylindrical
Pternepsilonema sp.	4	1A	spiral	punctated/annulated	conical
Ptycholaimellus sp.	3	2A	indistinct	punctated/annulated	conical
Quadricoma sp.	4	1A	circular	desmens	conical
Retrotheristus breviseta	2	1B	indistinct	punctated/annulated	clavate/conico-cylindrical
Rhinema retrorsum	3	2A	circular	punctated/annulated w/ longitudinal structures	conical
Rhinema sp.	3	2A	circular	punctated/annulated w/ longitudinal structures	conical
Rhips anoxybiotica	3	2A	slit-like	punctated/annulated	conical
Rhips paraornata	3	2A	slit-like	punctated/annulated	conical
Rhips sp.	3	2A	slit-like	punctated/annulated	conical
Richtersia coomansi	3	1B	spiral	punctated/annulated w/ longitudinal structures	conical
Richtersia pilosa	3	1B	spiral	punctated/annulated w/ longitudinal structures	conical
Robbea porosum	3	1A	spiral	bacteria covering	conical

Robbea sp.	3	1A	spiral	bacteria covering	conical
Sabatieria armata	2	1B	spiral	punctated/annulated	clavate/conico-cylindrical
Sabatieria praedatrix	2	1B	spiral	punctated/annulated	clavate/conico-cylindrical
Sabatieria pulchra	2	1B	spiral	punctated/annulated	clavate/conico-cylindrical
Sabatieria sp.	2	1B	spiral	punctated/annulated	clavate/conico-cylindrical
Scaptrella cincta	2	2B	circular	punctated/annulated	elongated/filiform
Setoplectus sp.	3	1A	circular	punctated/annulated	conical
Setosabatieria hilarula	2	1B	spiral	punctated/annulated	clavate/conico-cylindrical
Setosabatieria sp.	2	1B	spiral	punctated/annulated	clavate/conico-cylindrical
Siphonolaimus sp.	3	1A	circular	punctated/annulated	conical
Southerniella allometrica	3	1A	circular	punctated/annulated	conical
Southerniella sp.	3	1A	circular	punctated/annulated	conical
Sphaerolaimus macrocirculus	3	2B	Circular	punctated/annulated	clavate/conico-cylindrical
Sphaerolaimus maeoticus	3	2B	Circular	punctated/annulated	clavate/conico-cylindrical
Sphaerolaimus sp.	3	2B	Circular	punctated/annulated	clavate/conico-cylindrical
Spiliphera dolichura	3	2A	spiral	punctated/annulated	elongated/filiform
Spiliphera sp.	3	2A	spiral	punctated/annulated	elongated/filiform
Spilophorella candida	2	2A	slit-like	punctated/annulated	conical
Spilophorella paradoxa	2	2A	slit-like	punctated/annulated	conical
Spilophorella sp.	2	2A	slit-like	punctated/annulated	conical
Spirinia hamata	3	2A	spiral	punctated/annulated	conical
Spirinia inaurita	3	2A	spiral	punctated/annulated	conical
Spirinia parasitifera	3	2A	spiral	punctated/annulated	conical
Spirinia sp.	3	2A	spiral	punctated/annulated	conical
Spirobolbolaimus bathyalis	3	2A	spiral	punctated/annulated	conical
Steineria sp.	2	1B	circular	punctated/annulated	elongated/filiform
Steineria sterreri	2	1B	circular	punctated/annulated	elongated/filiform
Stilbonema annulatum	3	1A	spiral	bacteria covering	conical
Stilbonema brevicolle	3	1A	spiral	bacteria covering	conical
Stygodesmodora sp.	3	2A	spiral	punctated/annulated	conical
Stylotheristus mutilus	2	1B	circular	punctated/annulated	elongated/filiform

Stylotheristus sp.	2	1B	circular	punctated/annulated	elongated/filiform
Symplocostoma sp.	4	2B	pocket	smooth	conical
Symplocostoma tenuicolle	4	2B	pocket	smooth	conical
Synonchiella hopperi	3	2B	spiral	punctated/annulated	clavate/conico-cylindrical
Synonchiella micramphis	3	2B	spiral	punctated/annulated	clavate/conico-cylindrical
Synonchiella riemanni	3	2B	spiral	punctated/annulated	clavate/conico-cylindrical
Synonchiella sp.	3	2B	spiral	punctated/annulated	conical
Synonchium sp.	3	2B	spiral	punctated/annulated	short/blunt
Synonchus fasciculatus	5	2A	pocket	smooth	short/blunt
Synonchus sp.	5	2A	pocket	smooth	short/blunt
Synonema ochrum		2A	circular	punctated/annulated	conical
Synonema sp.		2A	circular	punctated/annulated	conical
Syringolaimus annae	4	2B	pocket	punctated/annulated	elongated/filiform
Syringolaimus filicaudatus	4	2B	pocket	punctated/annulated	elongated/filiform
Syringolaimus striatocaudatus	4	2B	pocket	punctated/annulated	elongated/filiform
Tarvaia sp.		1B	rounded/elongated loop	punctated/annulated	conical
Terschellingia communis	3	1A	circular	punctated/annulated	clavate/conico-cylindrical
Terschellingia gourbaultae	3	1A	circular	punctated/annulated	clavate/conico-cylindrical
Terschellingia longicaudata	3	1A	circular	punctated/annulated	elongated/filiform
Terschellingia sp.	3	1A	circular	punctated/annulated	clavate/conico-cylindrical
Thalassironus britannicus	4	2B	pocket	punctated/annulated	clavate/conico-cylindrical
Thalassironus lynnae	4	2B	pocket	punctated/annulated	elongated/filiform
Thalassironus sp.	4	2B	pocket	punctated/annulated	elongated/filiform
Thalassoalaimus sp.	4	1A	pocket	punctated/annulated	conical
Thalassoalaimus tardus	4	1A	pocket	punctated/annulated	conical
Theristus copulatus	2	1B	circular	punctated/annulated	conical
Theristus ensifer	2	1B	circular	punctated/annulated	conical
Theristus otoplanobius	2	1B	circular	punctated/annulated	conical
Theristus sp.	2	1B	circular	punctated/annulated	conical
Trefusialaimus monorchis	4	1A	pocket	smooth	clavate/conico-cylindrical
Trefusialaimus sp.	4	1A	pocket	smooth	clavate/conico-cylindrical

Tricoma fisheri	4	1A	circular	desmens	conical
Tricoma similis	4	1A	circular	desmens	conical
Tricoma sp.	4	1A	circular	desmens	conical
Trileptium otti	2	2B	indistinct	smooth	clavate/conico-cylindrical
Trischistoma monohystera	4	1A	pocket	smooth	conical
Trochamus carinatus	3	2A	slit-like	punctated/annulated	conical
Vasostoma sp.	2	2A	spiral	punctated/annulated	clavate/conico-cylindrical
Viscosia abyssorum	3	2B	pocket	smooth	clavate/conico-cylindrical
Viscosia glabra	3	2B	pocket	smooth	elongated/filiform
Viscosia langrunensis	3	2B	pocket	smooth	clavate/conico-cylindrical
Viscosia sp.	3	2B	pocket	smooth	clavate/conico-cylindrical
Viscosia viscosa	3	2B	pocket	smooth	clavate/conico-cylindrical
Xennella cephalata	4	1A	pocket	punctated/annulated	elongated/filiform
Xyala sp.	2	2A	circular	punctated/annulated w/ longitudinal structures	conical
Zalonema ditlevseni	3	2A	spiral	punctated/annulated	conical
Zalonema maldivensis	3	2A	spiral	punctated/annulated	conical

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