

**Supplementary file for the article:**

Holovachov O, Haenel Q, Bourlat SJ, Jondelius U. Taxonomy assignment approach determines the efficiency of identification of OTUs in marine nematodes. *Royal Society Open Science*.

**Supplementary Table 3.** Taxonomic composition and relative abundance (% of the total number of specimens) of nematode species in Telekabeln site.

	Classification and identity	Siphoning	Flotation with H <sub>2</sub> O
	<b>ORDER ENOPLIDA</b>		
	<b>Family Thoracostomopsidae</b>		
1	Enoplolaiminae gen. sp.	3.45	0.08
	<b>Family Anticomidae</b>		
2	<i>Anticoma</i> sp.	0.29	0.04
	<b>Family Oncholaimidae</b>		
3	<i>Viscosia</i> sp. 1	3.16	0.97
4	<i>Viscosia</i> sp. 2	6.66	0.93
5	<i>Viscosia</i> sp. 3	0.19	0.04
6	Oncholaimidae gen. sp.	0.05	–
	<b>Family Enchelidiidae</b>		
7	<i>Symplocostoma</i> sp.	0.10	0.04
8	<i>Polygastrophora</i> sp.	1.05	0.04
	<b>Family Ironidae</b>		
9	<i>Thalassironus</i> sp.	0.34	0.43
	<b>Family Oxystominidae</b>		
10	<i>Oxystomina</i> sp. 1	0.24	0.23
11	<i>Oxystomina</i> sp. 2	1.34	0.12
12	<i>Oxystomina</i> sp. 3	0.05	0.04
13	<i>Lithinium</i> sp.	0.05	–
14	<i>Thalassoalaimus</i> sp. 1	0.19	0.66
15	<i>Thalassoalaimus</i> sp. 2	0.05	0.16
16	<i>Thalassoalaimus</i> sp. 3	–	0.04
17	<i>Halalaimus</i> sp. 1	2.59	1.48
18	<i>Halalaimus</i> sp. 2	1.15	0.74
19	<i>Halalaimus</i> sp. 3	0.43	0.97
20	<i>Halalaimus</i> sp. 4	1.49	1.13
21	<i>Halalaimus</i> sp. 5	0.10	0.16
22	<i>Halalaimus</i> sp. 6	0.10	–
23	<i>Halalaimus</i> sp. 7	–	0.08
24	<i>Halalaimus</i> sp. 8	0.86	1.13
25	<i>Wieseria</i> sp.	0.29	2.95
26	Oxystominidae gen. sp.	0.81	0.93

	Classification and identity	Siphoning	Flotation with H <sub>2</sub> O
	<b>Family Tripyloididae</b>		
27	<i>Tripyloides</i> sp.	0.43	0.04
28	<i>Bathylaimus</i> sp.	1.49	0.23
	<b>Family Trefusiidae</b>		
29	<i>Trefusia</i> sp.	–	1.44
	<b>ORDER TRIPLONCHIDA</b>		
	<b>Family Pandolaimidae</b>		
30	<i>Pandolaimus</i> sp.	0.48	1.63
	<b>Family Rhabdodemaniidae</b>		
31	<i>Rhabdodemia</i> sp.	0.72	0.19
	<b>ORDER DESMOSCOLECIDA</b>		
	<b>Family Desmoscolecidae</b>		
32	<i>Desmoscolex</i> sp.	0.67	1.71
33	<i>Tricoma (Quadricoma)</i> sp. 1	2.83	16.11
34	<i>Tricoma (Quadricoma)</i> sp. 2	5.56	1.28
35	<i>Tricoma (Quadricoma)</i> sp. 3	0.19	0.39
	<b>Family Cyartonematidae</b>		
36	<i>Cyartonema</i> sp.	–	1.05
	<b>ORDER CHROMADORIDA</b>		
	<b>Family Chromadoridae</b>		
37	<i>Chromadorita</i> sp. 1	0.58	0.47
38	<i>Chromadorita</i> sp. 2	0.14	–
39	<i>Neochromadora</i> sp. 1	0.05	–
40	<i>Neochromadora</i> sp. 2	0.38	0.04
41	<i>Actinonema</i> sp.	2.25	0.74
42	<i>Trochamus</i> sp.	1.49	0.78
43	<i>Chromadoridae</i> gen. spp.	0.14	0.74
44	<i>Acantholaimus</i> sp.	–	0.08
	<b>Family Cyatholaimidae</b>		
45	<i>Paracanthonchus</i> cf. <i>longicaudatus</i>	0.05	2.06
46	<i>Marylinnia</i> sp.	6.28	6.29
47	<i>Paralongicyatholaimus</i> sp.	0.10	1.01
48	<i>Craspodema</i> sp.	0.19	–
	<b>Family Selachinematidae</b>		
49	<i>Halichoanolaimus</i> sp.	0.10	–
50	<i>Cheironchus</i> sp.	–	0.12
51	<i>Synonchiella</i> sp.	–	0.19
52	<i>Choniolaimus</i> sp. 1	0.24	1.55
53	<i>Choniolaimus</i> sp. 2	–	0.04
	<b>ORDER DESMODORIDA</b>		
	<b>Family Desmodoridae</b>		

	Classification and identity	Siphoning	Flotation with H <sub>2</sub> O
54	<i>Desmodora cf. communis</i>	0.05	–
55	<i>Desmodora pontica</i>	0.62	0.19
56	<i>Desmodorella tenuispiculum</i>	3.60	3.18
57	<i>Chromaspirina</i> sp.	–	0.12
58	<i>Spirinia</i> sp.	0.10	0.39
	<b>Family Microlaimidae</b>		
59	<i>Microlaimus</i> sp. 1	0.24	0.85
60	<i>Microlaimus</i> sp. 2	–	2.02
61	<i>Microlaimus</i> sp. 3	–	0.74
62	<i>Bolbolaimus</i> sp.	–	0.04
	<b>Family Monoposthiidae</b>		
63	Monoposthiidae gen. sp.	0.05	–
	<b>Family Richtersiidae</b>		
64	<i>Richtersia</i> sp.	2.01	5.90
	<b>ORDER MONHYSTERIDA</b>		
	<b>Family Xyalidae</b>		
65	<i>Daptonema</i> sp.	1.58	0.08
66	<i>Metadesmolaimus</i> sp.	3.07	4.62
67	<i>Gnomoxyala</i> sp.	–	0.19
68	Xyalidae gen. sp.	0.14	0.97
	<b>Family Sphaerolaimidae</b>		
69	<i>Sphaerolaimus</i> sp. 1	1.77	1.82
70	<i>Sphaerolaimus</i> sp. 2	0.58	0.12
71	<i>Parasphaerolaimus</i> sp.	0.38	0.47
	<b>Family Siphonolaimidae</b>		
72	<i>Siphonolaimus</i> sp.	–	0.08
	<b>Family Linhomoeidae</b>		
73	<i>Disconema</i> sp.	0.10	–
74	<i>Eleutherolaimus</i> sp.	0.58	1.32
75	<i>Linchomoeidae</i> gen. sp.	2.11	0.16
76	<i>Monhysteroides</i> sp.	–	0.97
77	<i>Terschellingia</i> sp. 1	–	1.71
78	<i>Terschellingia</i> sp. 2	0.05	0.08
	<b>ORDER ARAEOLAIMIDA</b>		
	<b>Family Comesomatidae</b>		
79	<i>Sabatieria</i> spp.	18.31	8.46
80	<i>Setosabatieria</i> sp.	5.61	2.80
81	<i>Dorylaimopsis</i> sp.	0.86	3.69
82	<i>Laimella</i> sp.	–	0.04
	<b>Family Axonolaimidae</b>		
83	<i>Axonolaimus</i> sp.	5.42	0.85

	Classification and identity	Siphoning	Flotation with H <sub>2</sub> O
84	<i>Odontophora</i> sp.	0.05	0.08
	<b>Family Diplopeltidae</b>		
85	<i>Araeolaimus spinosus</i>	0.96	0.08
86	<i>Campylaimus rimatus</i>	0.14	0.04
87	<i>Campylaimus amphidialis</i>	–	0.31
88	<i>Campylaimus tkatchevi</i>	0.05	0.39
89	<i>Campylaimus orientalis</i>	–	0.31
90	<i>Campylaimus</i> sp.	0.05	0.19
91	<i>Pararaeolaimus</i> sp.	0.19	0.04
92	<i>Diplopeltula</i> sp.	0.10	0.04
	<b>ORDER PLECTIDA</b>		
	<b>Family Leptolaimidae</b>		
93	<i>Leptolaimus danicus</i>	0.05	0.43
94	<i>Leptolaimus septempapillatus</i>	–	0.19
95	<i>Leptolaimus venustus</i>	–	0.04
96	<i>Leptolaimus</i> sp.	–	0.08
97	<i>Antomicron lorenzeni</i>	–	0.08
98	<i>Antomicron quindecimpapillatus</i>	–	0.04
99	<i>Leptolaimoides</i> sp.	0.05	–
	<b>Family Camacolaimidae</b>		
100	<i>Alaimella</i> sp.	0.34	0.19
101	Camacolaimidae gen. sp.	0.05	0.12
102	<i>Deontolaimus catalinae</i>	–	0.04
103	<i>Deontolaimus</i> sp.	–	0.08
	<b>Family Rhadinematidae</b>		
104	<i>Rhadinema timmi</i>	0.05	0.04
	<b>Family Ceramonematidae</b>		
105	<i>Pselionema</i> sp.	0.62	0.82
106	<i>Dasynemoides</i> sp.	–	0.04
	<b>Family Diplopeltoididae</b>		
107	<i>Diplopeltoides ornatus</i>	0.05	0.04
108	<i>Diplopeltoides linkei</i>	–	0.04
109	<i>Diplopeltoides nudus</i>	–	0.08
110	<i>Diplopeltoides asetosus</i>	–	0.04
111	<i>Diplopeltoides</i> sp. n.	–	1.67
	<b>Family Aegialoalaimidae</b>		
112	<i>Aegialoalaimus</i> sp.	0.29	0.16
	<b>Family Paramicrolaimidae</b>		
113	<i>Paramicrolaimus</i> sp.	–	0.04
114	Nematoda indet.	0.38	0.89