

Table S1. Records downloaded from GenBank and using for reconstructing the Maximum-likelihood tree.

Species	GenBank ID	Autor
<i>Daptonema</i> sp.1	HM627513	[45]
<i>Monoposthia costata</i>	HM627512	
<i>Theristus</i> sp.	HM627511	
<i>Halomonhystera disjuncta</i>	HM627510	
<i>Enoplus</i> sp.1	HM627509	
<i>Daptonema</i> sp.3	HM627508	
<i>Panagrolaimus paetzoldi</i>	HM627507	
<i>Trefusia</i> sp.1	HM627506	
<i>Plectus aquatilis</i>	HM627505	
<i>Neochromadora poecilosomoides</i>	HM627504	
<i>Daptonema</i> sp.2	HM627503	
<i>Dichromadora geophila</i>	HM627502	
<i>Oncholaimellus</i> sp.1	HM627501	
<i>Trichotheristus mirabilis</i>	HM627500	
<i>Diplolaimella dievengatensis</i>	HM627499	
<i>Diplolaimelloides oschei</i>	HM627498	
<i>Nematoda</i> sp.	KP254593	
<i>Monhystrella parvella</i> (2)	KJ608268, KJ608267	
<i>Halomonhystera cf. continentalis</i> (9)	KJ124483; KJ124482; KJ124481; KJ124480; KJ124479; KJ124477; KJ124476; KJ124475; KJ124474	[78]
<i>Desmodora</i> sp1 (25)	LT578036.1 LT578035.1; LT578034.1; LT578033.1; LT578032.1; LT578031.1; LT578030.1; LT578029.1; LT578028.1; LT578027.1; LT578026.1; LT578025.1; LT578024.1; LT578023.1; LT578022.1;	[79]

	LT578021.1; LT578020.1; LT578019.1; LT578018.1; LT578017.1; LT578016.1; LT578015.1; LT578014.1; LT857013.1; LT578012.1	
<i>Desmodora</i> sp2 (12)	LT578048.1; LT578047.1; LT578046.1; LT578045.1; LT578044.1; LT578043.1; LT578042.1; LT578041.1; LT578040.1; LT578039.1; LT578038.1; LT578037.1	[79]
<i>Bursaphelenchus</i> sp	FJ661028.1	[74]