

SUPPLEMENTARY MATERIAL

Table S1. Nematode classification (family, genus, and species) of the species studied in documents downloaded for the systematic analysis. The classification includes the putative level, c-p, and feeding group of nematodes studied. The classification data have been taken from the Nemaplex database (<http://nemaplex.ucdavis.edu>), a free virtual Encyclopedia on soil and plant nematodes.

Nematode family	Nematode genus	Nematode species	Putative Feeding	c-p group	Feeding group	References
Anguinidae	<i>Ditylenchus</i>	<i>D. dipsaci</i>	plant feeder	2	1	Zouhar et al. (2009)
Aphelenchoididae	<i>Bursaphelenchus</i>	<i>B. xylophilus</i>	plant feeder	2	1	Park et al. (2005); Kong et al. (2007); Park et al. 2007; Elbadri et al. (2008); Kim et al. (2008); Kong et al. (2009); Barbosa et al. 2010; Faria et al. (2013)
Criconematidae	<i>Criconemella</i> spp.		plant feeder	3	1	Abd-Elgawa and Omer (1995)
Heteroderidae	<i>Meloidogyne</i> spp.		plant feeder	3	1	Madalosso et al. (2017); Ntalli et al. (2020)
Heteroderidae	<i>Meloidogyne</i>	<i>M. incognita</i>	plant feeder	3	1	Pandey et al. 2000; Ibrahim et al. (2006); Romero et al. (2006); Meyer et al. (2008); Abu Elyosur (2009); Cetintas and Jarbas (2010); Ntalli et al. (2010); Ntalli et al. (2011); Caboni et al. (2013); Quin Lin et al. (2013); Laquale et al. (2015); Avato et al. (2017); Sendi and Khosravi (2017); Laquale et al. (2018); Jardim et al. (2018); Barros et al. (2019); Elo et al. (2019); Kalaiselvia et al. (2019); D'Addabbo et al. (2020); Jardim et al. (2020); Pardavella et al. (2020); Dutta et al. (2021); Kundu et al. (2021)
Heteroderidae	<i>Meloidogyne</i>	<i>M. javanica</i>	plant feeder	3	1	Oka et al. (2000); Onifade et al. (2008); Ntalli et al. (2011); Sosa et al. (2012); Mattei et al. (2013); Santana et al. (2014); Sousa et al. (2015); Andres et al. (2017); Julio et al. (2017); Massuh et al. (2017); Borges et al. (2018); Navarro-Rocha et al. (2020); Pardavella et al. (2020); Basaid et al. (2021); Galitseo et al. (2022)

			plant			
Heteroderidae	<i>Meloidogyne</i>	<i>M. chitwoodi</i>	feeder	3	1	Faria et al. (2016)
			plant			
Heteroderidae	<i>Meloidogyne</i>	<i>M. arenaria</i>	feeder	3	1	Walker and Melin (1996); Caboni et al. (2014)
			plant			
Heteroderidae	<i>Meloidogyne</i>	<i>M. artiellia</i>	feeder	3	1	Perez et al. (2003)
			plant			
Heteroderidae	<i>Meloidogyne</i>	<i>M. graminicola</i>	feeder	3	1	Chavan et al. (2019)
			plant			
Hoplolaimidae	<i>Rotylenchulus</i>	<i>R. reniformis</i>	feeders	3	1	Abd-Elgawa and Omer (1995)
			plant			
Hoplolaimidae	<i>Hoplolaimus</i> spp.		feeder	3	1	Abd-Elgawa and Omer (1995)
			bacterial			
Panagrolaimidae	<i>Panagrolaimus</i> spp.		feeder	1	3	Oro et al. (2020)
			plant			
Pratylenchidae	<i>Pratylenchus</i>	<i>P. vulnus</i>	feeder	3	1	Avato et al. (2017); Laquale et al. (2018)
			plant			
Pratylenchidae	<i>Nacobbus</i>	<i>N. aberrans</i>	feeder	3	1	Sosa et al. (2020)
			plant			
Pratylenchidae	<i>Pratylenchus</i>	<i>P. brachyurus</i>	feeder	3	1	Mattei et al. (2013)
			bacterial			
Rhabditidae	<i>Caenorhabditis</i>	<i>C. elegans</i>	feeder	3	1	Satyal et al. (2012); Kalaiselvia et al. (2019)
			plant			
Longidoridae	<i>Xiphinema</i>	<i>X. index</i>	feeder	5	1	Avato et al. (2021)