Supplementary material

Table S1. List of nematode-based indices and how they are calculated

Index	Index name	Equation
MI	Maturity Index	$MI = \frac{\sum_{i=1,f} v_i n_i}{\sum_{i=1,f} n_i}$, v_i: (c-p) value assigned to taxon I, n_i: the number of nematodes in each of the f taxa, exlcluding plant-parasitic nematodes
ΣMI	Sigma Maturity Index	$\Sigma MI = \frac{\sum_{i=1,f} v_i n_i}{\sum_{i=1,f} n_i}$, v_i: (c-p) value assigned to taxon I, n_i: the number of nematodes in each of the f taxa, including plant-parasitic nematodes
PPI	Plant-Parasite Index	$PPI = \frac{\sum_{i=1,f} v_i n_i}{\sum_{i=1,f} n_i}$, v_i: (c-p) value assigned to taxon I, n_i: the number of nematodes in each of the f taxa, only plant-parasitic nematodes
CI	Channel Index	$CI = 100 \times \frac{Fu_2 \times W_2}{Ba_1 \times W_1 + Fu_2 \times W_2}$, Fu: fungal feeders, Ba: bacterial feeders, $W_1 = 3.2$, $W_2 = 0.8$
BI	Basal Index	$BI = \frac{100 \times (Ba_2 + Fu_2) \times W_2}{[(Ba_1 \times w_1) + (Fu_2 \times W_2)] + (Ba_n \times W_n + Fu_n \times W_n + Ca_n \times W_n + Om_n \times W_n) + [(Ba_2 + Fu_2) \times W_2]}$ Fu: fungal feeders, Ba: bacterial feeders, Ca: carnivores, Om: omnivores; $W_1 = 3.2$, $W_2 = 0.8$, $W_3 = 1.8$, $W_4 = 3.2$, $W_5 = 5.0$; n=1-5
SI	Structure Index	$SI = 100 \times \frac{Ba_n \times W_n + Fu_n \times W_n + Ca_n \times W_n + Om_n \times W_n}{(Ba_n \times W_n + Fu_n \times W_n + Ca_n \times W_n + Om_n \times W_n) + [(Ba_2 + Fu_2) \times W_2]}$ Fu: fungal feeders, Ba: bacterial feeders, Ca: carnivores, Om: omnivores; $W_1 = 3.2$, $W_2 = 0.8$, $W_3 = 1.8$, $W_4 = 3.2$, $W_5 = 5.0$; n=1-5
EI	Enrichment Index	$EI = 100 \times \frac{(Ba_1 \times w_1) + (Fu_2 \times W_2)}{[(Ba_1 \times w_1) + (Fu_2 \times W_2)] + [(Ba_2 + Fu_2) \times W_2]}$ Fu: fungal feeders, Ba: bacterial feeders, $W_1 = 3.2$, $W_2 = 0.8$

Table S2. Abundance (10^3 ind.m^{-2}) and trophic groups of nematodes found in the initial and in the late phase of the experiment. B - transported blocks, I – samples in between the blocks, C – control samples. Number 1 is for initial phase, 2 is for late phase. AF – algal feeders, BF – bacterial feeders, FF – fungal feeders, O – omnivores, P – predators, PF – plant feeders.

Genus	Trophic group	B1	I1	C1	B2	I2	C2
Achromadora	AF	0	0	0	7.0	15.2	0
Alaimus	BF	2.9	0	0	2.8	0.7	0
Anaplectus	BF	8.0	0	4.0	18.7	4.9	0
Aphelenchoides	FF	31.6	18.6	71.1	63.8	27.7	7.6
Aphelenchus	FF	27.8	35.9	54.1	35.4	33.3	2.8
Aporcelaimellus	O	62.0	29.8	164.7	11.8	11.1	23.6
Bastiania	BF	6.6	0.8	0	0.7	0.7	0
Bitylenchus/Tylenchorhynch	PF	1.3	1.9	0	2.1	7.6	0
Boleodorus	PF	12.8	2.1	30.1	12.5	64.5	2.8
Cephalenchus	PF	0	0.7	0	9.0	4.9	0
Cephalobids	BF	62.4	25.V	46.9	87.9	32.6	24.2
Cervidellus	BF	0	1.3	0	0.7	0	0
Clarkus	P	7.9	1.8	0	0	0	0
Coslenchus	PF	21.2	3.9	7.6	45.1	20.1	34.0
Cylindrolaimus	BF	0	0	0	2.8	6.9	0
Deladenus	FF	0.7	1.9	4.0	2.8	2.1	0
Diphtherophora	FF	3.3	0	0	8.3	0.7	0
Ditylenchus	FF	22.5	25.2	20.3	13.2	56.9	4.9
Dolichodoridae	FF	0	0	0	0	2.1	0
Dorylaimellus	PF	0.9	0	0	6.9	14.6	1.4
Drilocephalobus	BF	0	0	0	4.9	0	1.4
Ecumenicus	O	1.3	63.2	178.4	4.9	62.4	0.7
Eudorylaimus s.l.	O	4.7	27.7	13.2	3.5	3.5	0
Eumonhystera	BF	0.9	4.6	7.1	11.8	15.3	29.2
Filenchus s.l.	FF	106.7	17.8	16.5	69.4	36.1	4.1
Geomonhystera	BF	0.7	0	0	0	0	0
Gracilacus	PF	0	2.8	0	0	0	0.7
Helicotylenchus	PF	133.2	2.7	19.6	60.3	224.7	205.3
Chiloplacus	BF	2.2	12.5	8.9	1.4	0	0
Lelenchus	PF	0	0	0	0	0.7	0
Malenchus	PF	3.3	0	0	6.2	4.2	3.5
Merlinius/Geocenamus	PF	0	9.9	0	3.5	79.8	0.7
Mesocriconema	PF	0	0	0	4.2	0.7	0
Mesodorylaimus	O	4.1	19.6	4.9	10.4	1.4	6.9
Mesorhabditis	BF	17.3	0	0	6.9	2.1	6.9
Metateratocephalus	BF	0	0	1.4	1.4	0.7	0
Miculenchus	PF	0.9	0	0	0	1.4	0
Mylonchulus	P	0	0.7	0	0.7	21.5	47.9
Neopsilenchus	PF	24.9	19.3	8.7	16.6	3.5	3.5
Oxydirus	P	6.5	0	0	9.0	0	0
Panagrolaimus	BF	29.9	7.5	19.5	43.9	0	0
Paraphelenchus	FF	12.9	1.4	5.7	0	0.7	0
Paratrophurus	PF	0	0	0	0	2.1	0
Paratylenchus	PF	2.7	28.4	1.4	55.5	0	0
Paravulvus	P	11.1	11.7	1.1	2.8	3.5	0
Plectus	BF	18.5	8.7	20.1	45.8	33.3	23.6
Pratylenchus	PF	35.1	13.2	2.5	107.5	94.3	2.8
Prionchulus	P	11.7	0.7	0	5.5	11.1	12.5

Prismatolaimus	BF	0.8	1.5	2.5	3.5	2.8	0
Pristionchus	BF	0	0.8	0	0	0	0
Prodesmodora	BF	0.8	0	0	0	0	0
Psilenchus	PF	5.7	4.1	0	1.4	0.7	0
Qudsianematidae other	O	0	0	0	0	49.9	16.6
Rhabditis	BF	15.6	1.8	2.7	0	0	0
Rotylenchulus	PF	0	0	0	0	14.6	0
Rotylenchus	PF	0.8	0	0	0.7	5.5	0
Tylencholaimellus s.l.	FF	35.9	1.2	0	0	8.3	13.9
Tylencholaimus	FF	0	0.7	0	2.1	39.5	25.7
Tylenchus	PF	8.8	0	0	4.2	36.8	31.9
Tylocephalus	BF	0	0	0	4.2	0	0
Tylolaimophorus	FF	0	0	0	1.4	0	0
dauer larvae		0	0.8	0	0	0	0
?	unid.	0.9	0	0	0	0	0.7
Average abundance		768.9	412.5	716.6	860.7	1067.4	539.6

Table S3. Significant differences between relative abundance of trophic groups in the initial and the late phase (t-test). B - transported blocks, I – samples in between the blocks, C – control samples.

	bacterial feeders	fungal feeders	plant feeders	omnivores	predators	algal feeders
B	n.s.	n.s.	n.s.	n.s.	0,004661	n.s.
I	n.s.	n.s.	0,000958	0,004539	n.s.	n.s.
C	n.s.	0,007141	n.s.	0,000445	n.s.	n.s.