

Title: Monitoring of Root-Knot Nematodes (*Meloidogyne* spp.) in Croatia (2022–2024): Occurrence, Distribution and Species Identification

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Supplementary Material S1

Supplementary Material Table S1. Amplification conditions with different primer pairs: Far/Rar; Fjav/Rjav; Finc/Rinc and JMV (JMV1, JMV2, JMVhapla and JMVtropical

Steps	Temperatures	Time	Cycles
Initial denaturation	94°C	2 min	1
Denaturation	94°C	30s	45
Annealing	55°C (JMV)	30s	45
	61°C (Far/Rar)		
	64°C (Fjav/Rjav)		
	54°C (Finc/Rinc)		
Extension	72°C	90s (JMV)	45
		1 min all other	
Final extension	72°C	7 min	1
Hold	4°C		

Supplementary Material Table S2. The amplification conditions for identification of tropical root-knot nematodes group with primers C2F3/Mt575

Steps	Temperatures	Time	Cycles
Initial denaturation	94°C	5 min	1
Denaturation	94°C	30s	35
Annealing	54°C	30s	35
Extension	72°C	1 min	35
Final extension	72°C	5 min	1
Hold	4°C		

Supplementary Material Table S3. The amplification conditions for identification of *Meloidogyne ethiopica* group with primers Me309/Me549R

Steps	Temperatures	Time	Cycles
Initial denaturation	94°C	5 min	1
Denaturation	94°C	30s	35
Annealing	50°C	30s	35
Extension	72°C	30s	35
Final extension	72°C	5 min	1
Hold	4°C		

Supplementary Material Table S4. The amplification conditions for identification of *Meloidogyne* species by sequence analyses with primers C2F3/1108

Steps	Temperatures	Time	Cycles
Initial denaturation	93°C	3 min	1
Denaturation	93°C	4s	33
Combined Annealing and Extension	48°C	8 min	
Final extension	48°C	10 min	1
Hold	4°C		

Supplementary Material Table S5. The amplification conditions for identification of *Meloidogyne* species by sequence analyses with primers NAD5 F2/NAD5 R1

Steps	Temperatures	Time	Cycles
Initial denaturation	94°C	2 min	1
Denaturation	94°C	1 min	40
Annealing	45°C	1 min	40
Extension	72°C	1,5 min	40
Final extension	72°C	10 min	1
Hold	4°C		