

Additional File 1: List of entomopathogenic nematodes used in this study

Nematode	Geographic origin	Laboratory history	Multiplication batch (dd_mm_yy)
<i>Steinernema carpocapsae</i>			
SK27	Plougastel, France	>20 years in lab collection (Montpellier, France)	09_06_15 15_03_16 23_08_16 27_07_16
SK27_Apoll	Plougastel, France	SK27 strain transferred to laboratory of J.B Ferdy for two years (Toulouse, France) Offspring of SK27 eggs disinfected with 0.24 % sodium hypochlorite; stored for 3 years in laboratory collection (Montpellier, France)	07_11_16
EGY03 (Egypt2)	Egypt	5 years in the collection of V. Puza (Hungary) and stored for 2 years in laboratory collection (Montpellier, France)	20_07_16 (t1)
CREA3	Haute-Savoie, France	4 years in CREA collection (Bonneville, France)	13_07_16 (t0) 27_07_16 (t1)
B10 (FRA36)	Avignon, France	10 years in laboratory collection (Montpellier, France)	27_04_16
All_DGIMI	Georgia, USA	9 years in laboratory collection (Montpellier, France)	01_06_16
All_USDA	Georgia, USA	>20 years in the collection of D. Shapiro (Byron, USA)	21_10_16 (t0) 07_11_16 (t1)
DD136_DGIMI	Georgia, USA	9 years in laboratory collection (Montpellier, France)	24_04_16
DD136_USDA	Georgia, USA	>20 years in the collection of D. Shapiro (Byron, USA)	21_10_16 (t0) 07_11_16 (t1)
GRAB (FRA241)	Avignon, France	Isolated in November 2017 (Montpellier, France)	22_12_17
<i>Steinernema weiseri</i>			
583	Czech Republic	12 years in laboratory collection (Montpellier, France)	20_07_16 09_06_15
TCH02	Czech Republic	2 years in laboratory collection (Montpellier, France)	11_08_16 (t1)
TUR03	Turkey	7 years in laboratory collection (Montpellier, France)	09_06_15 21_01_16

<i>Steinernema glaseri</i>			
SK39	North Carolina, USA	10 years in lab collection (Montpellier, France)	18_08_16 09_06_15
<i>Steinernema feltiae</i>			
FRA200	Hérault, France	5 years in lab collection (Montpellier, France)	09_06_15 12_08_15
<i>Heterorhabditis bacteriophora</i>			
TT01	Trinidad & Tobago	10 years in lab collection (Montpellier, France)	09_06_15 15_03_16 22_06_16