

Supplementary Materials

Table S1. Details of the collection of specimens for each species of spiders used in the experiments: *A. similis*, *E. atrica*, *S. nobilis*, *P. phalangioides*, and *Z. x-notata*, including numbers of specimens sampled each season and details of each sampling location. PBIVA = Predatory Behaviour Influenced by Venom Availability.

Experiment	Spider species	Total number of specimens per experiment	Year	Season	Location
PBIVA	<i>S. nobilis</i>	120	2019	Autumn (<i>n</i> = 120)	Dublin (N=120)
Venom yield v size	<i>S. nobilis</i>	550	2018–2021	Spring (<i>n</i> = 88) Summer (<i>n</i> = 180) Autumn (<i>n</i> = 282)	Dublin, Galway, Longford
Venom yield v size	<i>E. atrica</i>	139	2018–2021	Summer (<i>n</i> = 114) Autumn (<i>n</i> = 25)	Dublin, Galway, Longford
Venom yield v size	<i>A. similis</i>	265	2018–2021	Summer (<i>n</i> = 83) Autumn (<i>n</i> = 182)	Dublin, Galway, Longford
Toxicity assays	<i>S. nobilis</i>	120	2019–2021	Autumn (<i>n</i> = 120)	Dublin, Galway
Toxicity assays	<i>E. atrica</i>	105	2019–2021	Autumn (<i>n</i> = 105)	Dublin, Galway, Longford
Toxicity assays	<i>A. similis</i>	135	2019–2021	Autumn (<i>n</i> = 135)	Dublin, Galway, Longford
Toxicity assays (prey)	<i>Z. x-notata</i>	195	2019–2021	Autumn (<i>n</i> = 195)	Galway
Predation observations	<i>S. nobilis</i>	40	2019	Autumn (40)	Dublin (<i>n</i> = 40)
Predation observations	<i>E. atrica</i>	10	2019	Autumn (10)	Galway (<i>n</i> = 10)
Predation observations	<i>A. similis</i>	10	2019	Autumn (10)	Galway (<i>n</i> = 10)
Predation observations	<i>Z. x-notata</i>	10	2019	Autumn (10)	Galway (<i>n</i> = 10)
Predation observations	<i>P. phalangioides</i>	10	2019	Autumn (10)	Galway (<i>n</i> = 10)

Total per season

P. Phalangioides: Autumn 2019 (*n* = 10)

Z. x-notata: Autumn 2019–2021 (*n* = 205)

A. similis: Autumn 2018–2021 (*n* = 327); Summer 2018–2021 (*n* = 83)

E. atrica: Autumn 2018–2021 (140); Summer 2018–2021 (*n* = 114)

S. nobilis: Spring 2018–2021 (*n* = 88); Summer 2018–2021 (*n* = 180); Autumn 2018–2021 (*n* = 562)