

Table S1. Description of publications and study units from which data were used for phylogenetic analysis and meta-analysis.

Enemy	Type	Study Unit: Measured effect	Hosts	Publication
<i>Bipolaris</i> Mv isolate BP1	Fungal pathogen	4a: foliar lesion size	13	[1]
<i>Bipolaris</i> Mv isolate BP2	Fungal pathogen	4b: foliar lesion size	13	[1]
<i>Bipolaris</i> Mv isolate BP3	Fungal pathogen	4c: foliar lesion size	13	[1]
<i>Bipolaris</i> Mv isolate BP4	Fungal pathogen	4d: foliar lesion size	13	[1]
<i>Colias philodice</i>	Caterpillar	9a: pupal weight	6	[2]
<i>Colias philodice</i>	Caterpillar	9b: pupal development time	6	[2]
<i>Trichoplusia ni</i>	Caterpillar	12a: % larvae trenching, intact leaves	13	[3]
<i>Trichoplusia ni</i>	Caterpillar	12b: % larvae trenching, detached leaves	13	[3]
<i>Spodoptera ornithogalli</i>	Caterpillar	12c: larval mass gain, detached leaves	13	[3]
<i>Spodoptera ornithogalli</i>	Caterpillar	12d: larval mass gain, attached leaves	13	[3]
<i>Trichoplusia ni</i>	Caterpillar	12e: larval mass gain, detached leaves	13	[3]
<i>Trichoplusia ni</i>	Caterpillar	12f: larval mass gain, attached leaves	13	[3]
<i>Schistocerca americana</i>	Grasshopper	18a: area of leaf eaten	15	[4]
<i>Procambarus acutus</i>	Crayfish	22a: plant mass eaten	20	[5]
<i>Procambarus spiculifer</i>	Crayfish	22b: plant mass eaten	20	[5]

<i>Larinus latus</i>	Seed weevil	23b: % flower heads attacked	11	[6]
<i>Tephritis postica</i>	Seed fly	23c: % flower heads attacked	11	[6]
<i>Terellia fuscicornis</i>	Seed fly	23d: % flower heads attacked	11	[6]
<i>Puccinia psidii</i> MISOL	Fungal pathogen	24a: pustule density	8	[7]
<i>Puccinia psidii</i> PISOL	Fungal pathogen	24b: pustule density	8	[7]
<i>Oxyops vitiosa</i>	Foliar weevil	25a: leaf area eaten by larvae	25	[8]
<i>Oxyops vitiosa</i>	Foliar weevil	25b: leaf area eaten by adults	30	[8]
<i>Oxyops vitiosa</i>	Foliar weevil	25c: eggs laid	30	[8]
<i>Galerucella pusilla</i>	Leaf beetle	26a: eggs laid	13	[9]
<i>Galerucella calmariensis</i>	Leaf beetle	26b: eggs laid	13	[9]
<i>Bagous hydrillae</i>	Stem-boring weevil	27a: eggs laid	18	[10]
<i>Cydia succedana</i>	Pod moth	28a: eggs laid	10	[11]
<i>Deuterocampta quadrijuga</i>	Foliar beetle	31a: foliar damage rating	7	[12]
<i>Dictyla</i> sp.	Tingid bug	31c: foliar damage rating	7	[12]
<i>Haplothrips heliotropica</i>	Thrips	31d: foliar damage rating	7	[12]
<i>Longitarsus</i> sp.	Flea-beetle	31e: foliar damage rating	7	[12]
<i>Phytophthora ramorum</i>	Oomycete pathogen	32a: disease severity, winter no wound	41	[13]

<i>Phytophthora ramorum</i>	Oomycete pathogen	32b: disease severity, summer no wound	64	[13]
<i>Phytophthora ramorum</i>	Oomycete pathogen	32c: disease severity, summer wound	64	[13]
<i>Phytophthora ramorum</i>	Oomycete pathogen	32d: leaf infection, winter no wound	42	[13]
<i>Phytophthora ramorum</i>	Oomycete pathogen	32e: leaf infection, summer no wound	65	[13]
<i>Phytophthora ramorum</i>	Oomycete pathogen	32f: leaf infection, summer wound	65	[13]
<i>Phytophthora ramorum</i>	Oomycete pathogen	32g: susceptibility rating	65	[13]
<i>Phytophthora ramorum</i>	Oomycete pathogen	32h: sporangium production	28	[13]
<i>Phytophthora ramorum</i>	Oomycete pathogen	32i: lesion area	28	[13]
<i>Phytophthora ramorum</i>	Oomycete pathogen	34a: lesion length	63	[14]
<i>Drosophila suzukii</i>	Fruit fly	35a: adult female mass	7	[15]
<i>Drosophila suzukii</i>	Fruit fly	35b: fly development time	7	[15]
<i>Drosophila suzukii</i>	Fruit fly	35c: flight bioassay	7	[15]
<i>Drosophila suzukii</i>	Fruit fly	35d: oviposition per fruit	7	[15]
<i>Drosophila suzukii</i>	Fruit fly	35e: percent fly emergence	7	[15]
<i>Drosophila suzukii</i>	Fruit fly	35f: oviposition frequency	7	[15]
<i>Drosophila suzukii</i>	Fruit fly	35g: Host Potential Index	13	[15]

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