Supplementary Material 2: List of Lepidoptera species included in the meta-analysis and their host specialism.

Specialists are defined as having main host plants within one taxonomic family, while generalists had main hosts within more than one taxonomic family. Sources of host plants were: CABI (https://www.cabi.org), which was used preferentially, BRC's Database of Insects and their Food Plants (http://dbif.brc.ac.uk/), NHM's Database of the World's Lepidopteran Hostplants (https://www.nhm.ac.uk/our-science/data/hostplants), and ScienceDirect (https://www.sciencedirect.com).

Species	Common name	Host specialism	Source
Amyelois transitella	Navel orange worm	Generalist	ScienceDirect
Caloptilia fraxinella	Ash leaf cone roller	Specialist	BRC
Cnaphalocrocis medinalis	Rice leaf folder	Specialist	CABI
Cydia pomonella	Codling moth	Generalist	CABI
Cydia strobilella	Spruce seed moth	Specialist	BRC
Dioryctria abietella	Cone pyralid	Specialist	CABI
Enarmonia formosana	Bark tortrix	Specialist	CABI
Eupoecilia ambiguella	Grapevine moth	Generalist	CABI
Grapholita molesta	Oriental fruit moth	Specialist	CABI
Hedya nubiferana	Bud moth	Specialist	CABI
Helicoverpa armigera	Cotton bollworm	Generalist	CABI
Helicoverpa zea	American cotton bollworm	Generalist	CABI
Heliothis virescens	Tobacco budworm	Generalist	CABI
Hyphantria cunea	Mulberry moth	Generalist	CABI
Lobesia botrana	European grapevine moth	Specialist	CABI
Lymantria dispar	Gypsy moth	Generalist	CABI
Maruca vitrata	Lima bean pod borer	Specialist	CABI
Ostrinia furnacalis	Asian corn borer	Generalist	CABI
Ostrinia nubilalis	European maize borer	Specialist	CABI
Pandemis limitata	Three-lined leafroller	Generalist	NHM
Plutella xylostella	Diamondback moth	Specialist	CABI
Spilonota ocellana	Eyespotted bud moth	Generalist	NHM
Spodoptera exigua	Beet armyworm	Generalist	CABI
Spodoptera frugiperda	Fall armyworm	Generalist	CABI
Spodoptera littoralis	Cotton leafworm	Generalist	CABI
Spodoptera litura	Taro caterpillar	Generalist	CABI
Thaumetopoea pityocampa	Pine processionary	Specialist	CABI