

Table S1. List of Japanese moth species used in this study

Superfamily	Family	Species	Collected stage and host plant	Site	Date
Noctuoidea	Noctuidae	<i>Helicoverpa armigera</i>	Larvae on <i>Cosmos bipinnatus</i> petals	Oumi-hachiman, Shiga (N35.1°, E136.1°)	Oct 2007
		<i>Mamestra brassicae</i>	Eggs on mulberry leaves	Bunkyo, Tokyo (N35.4°, E139.5°) (University of Tokyo)	Jul 2008
		<i>Spodoptera litura</i>	Larvae on <i>Ricinus communis</i> and mulberry leaves	University of Tokyo	Oct 2007 and 2008
		<i>Herminia tarsicrinalis</i>	Adult female*	Ushiku, Ibaraki (N35.6°, E140.1°)	May 2007
		<i>Diomea cremata</i>	Larvae and pupae on shiitake mushroom	Sodegaura, Chiba (N35.3°, E139.6°)	Sep 2008
	Arctiidae	<i>Spilosoma punctarium</i>	Larvae on mulberry leaves	Kamakura, Kanagawa (N35.2°, E139.3°)	Jul 2008
		<i>Hyphantria cunea</i>	Larvae on mulberry leaves	Moriya, Ibaraki (N35.6°, E139.6°)	Aug 2008
<i>Eilema japonica</i>		Larvae on lichen and adult females*	University of Tokyo	Jun and Jul 2008	
Geometroidea	Geometridae	<i>Ascotis selenaria</i>	Adult females*	University of Tokyo	May 2008
Pyraloidea	Crambidae	<i>Chilo suppressalis</i>	Larvae in rice stem	Moriya, Ibaraki	Aug 2008
		<i>Glyphodes pyloalis</i>	Larvae on mulberry leaves	University of Tokyo	Aug 2007
		<i>Palpita nigropunctalis</i>	Larvae on <i>Ligustrum japonicum</i> leaves	University of Tokyo	Apr 2008
		<i>Spoladea recurvalis</i>	Larvae on <i>Echinochloa crus-galli</i> and <i>Achyranthes bidentata</i> leaves	University of Tokyo	Aug 2007

*Mated females were captured with a sweep net, and their offspring were used in the experiments.