

**Table S1.** Sample sizes and collecting information of 10 Bombycoidea species analysed in this study.

<b>FAMILY: Subfamily Species</b>	<b><i>n</i></b>	<b>Source</b>	<b>Reared/ Wild-caught</b>	<b>Testing Site</b>	<b>Plant Fed</b>	<b>Voucher Location</b>	<b>Voucher Number(s)</b>
<b>SATURNIIDAE: Ceratocampinae</b>							
<i>Citheronia bellavista</i>	5	WWB	Reared	Lab	<i>Prunus</i> sp., <i>Rhus</i> sp.	Carleton U.	n/a
<i>Citheronia lobesis</i>	2	Costa Rica	Wild-caught	Field	<i>Cochlospermum vitifolium</i>	Carleton U.	n/a
<i>Citheronia sepulcralis</i>	5	Florida	Reared	Lab	<i>Pinus</i> sp.	Carleton U.	n/a
<b>SPHINGIDAE: Macroglossinae</b>							
<i>Aellopos titan</i>	2	Costa Rica	Wild-caught	Field	<i>Randia thurberi</i>	n/a	18-SRNP-55443; 18-SRNP-55444
<i>Amphion floridensis</i>	5	Florida	Reared	Lab	<i>Vitis</i> sp.	Carleton U.	n/a
<i>Erinnyis ello</i>	3	Costa Rica	Wild-caught	Field	<i>Carica papaya</i>	n/a	18-SRNP-988; 18-SRNP-987; 18-SRNP-55445
<i>Nyceryx magna</i>	1	Costa Rica	Wild-caught	Field	<i>Pentagonia donnell-smithii</i>	Carleton U.	09-SRNP-2633 09-SRNP-2635;
<i>Pachygonidia drucei</i>	3	Costa Rica	Wild-caught	Field	<i>Doliocarpus multiflorus</i>	n/a	18-SRNP-31151; 18-SRNP-31152
<i>Sphecodina abbottii</i>	5	Ottawa, Florida	Reared	Lab	<i>Vitis</i> sp.	Carleton U.	n/a
<b>BRAHMAEIDAE</b>							
<i>Brahmaea tancrei</i>	2	WWB	Reared	Lab	<i>Ligustrum</i> sp.	Carleton U.	n/a