

Table S1. Species-level and family-level identifications, and voucher codes, for specimens in Figures 3-4, and SI S1-S14.

species of caterpillar or pupa		family name	image code, left to right, top to bottom	species of caterpillar or pupa		family name	specimen voucher code, top to bottom
Figure 3	a	Xylophanes germen	08-SRNP-35582-DHJ441014.jpg	Figure S3	a	Xylophanes germen	Sphingidae 87-SRNP-622
Figure 3	b	Eudocima colubraDHJ01	99-SRNP-1058-DHJ50402.jpg	Figure S3	b	Eudocima colubraDHJ01	Noctuidae 03-SRNP-23449
Figure 3	c	Cicinnus camarinus	07-SRNP-32957-DHJ427323.jpg	Figure S3	c	Cicinnus camarinus	Mimallonidae 07-SRNP-32957
Figure 3	d	Emesis aurimna	97-SRNP-4424-DHJ42572.jpg	Figure S3	d	Emesis aurimna	Riodinidae 97-SRNP-4424, 04-SRNP-55110
Figure 3	e	Xylophanes adalia	98-SRNP-2902-DHJ44461.jpg	Figure S4	e	Xylophanes adalia	Sphingidae 02-SRNP-925
Figure 3	f	Xylophanes crotonis	07-SRNP-36072-DHJ421973.jpg	Figure S4	f	Xylophanes crotonis	Sphingidae 88-SRNP-210
Figure 3	g	Sosxetra grata	95-SRNP-8443-DHJ25594.jpg	Figure S4	g	Sosxetra grata	Noctuidae 95-SRNP-8443, 95-SRNP-7604
Figure 3	h	Nystalea aequiparsDHJ10	94-SRNP-2185-DHJ26300.jpg	Figure S4	h	Nystalea aequiparsDHJ10	Notodontidae 94-SRNP-2185
Figure 3	i	Graphigona regina	05-SRNP-4658-DHJ403066.jpg	Figure S5	i	Graphigona regina	Noctuidae 05-SRNP-4658
Figure 3	j	Chioides catillus	93-SRNP-2340-DHJ26408.jpg	Figure S5	j	Chioides catillus	Hesperiidae 07-SRNP-939
Figure 3	k	Oxytenis modestia	85-SRNP-43-DHJ8878.jpg	Figure S5	k	Oxytenis modestia	Saturniidae 03-SRNP-29510
Figure 3	l	Anurocampa mingens	08-SRNP-35725-DHJ441193.jpg	Figure S5	l	Anurocampa mingens	Notodontidae 87-SRNP-888
Figure 4	a	Porphyrogenes peterwegei	00-SRNP-1473-DHJ52901.jpg	Figure S12	a	Porphyrogenes peterwegei	Hesperiidae 00-SRNP-1473
Figure 4	b	Euselasia mystica	03-SRNP-31640-DHJ81333.jpg	Figure S12	b	Euselasia mystica	Riodinidae 03-SRNP-31640
Figure 4	c	Iliana Burns01	07-SRNP-32919-DHJ427244.jpg	Figure S12	c	Iliana Burns01	Hesperiidae 07-SRNP-32919
Figure 4	d	Camptopleura auxo	07-SRNP-41965-DHJ427658.jpg	Figure S12	d	Camptopleura auxo	Hesperiidae 07-SRNP-41965
Figure 4	e	Astraptus SENNOV	03-SRNP-14687-DHJ76439.jpg	Figure S13	e	Astraptus SENNOV	Hesperiidae 03-SRNP-14687
Figure 4	f	Anteros renaldusDHJ02	03-SRNP-34923-DHJ79999.jpg	Figure S13	f	Anteros renaldusDHJ02	Riodinidae 03-SRNP-34923
Figure 4	g	Euselasia cheles	04-SRNP-735-DHJ81502.jpg	Figure S13	g	Euselasia cheles	Riodinidae 04-SRNP-735
Figure 4	h	Dynastor darius	03-SRNP-29373-DHJ79557.jpg	Figure S13	h	Dynastor darius	Nymphalidae 03-SRNP-29373
Figure 4	i	Arcas cypria	06-SRNP-30623-DHJ412310.jpg	Figure S14	i	Arcas cypria	Lycaenidae 06-SRNP-30623
Figure 4	j	Xylophanes undata	08-SRNP-6759-DHJ448878.jpg	Figure S14	j	Xylophanes undata	Sphingidae 08-SRNP-6759
Figure 4	k	Polycotr cleta	06-SRNP-40231-DHJ413908.jpg	Figure S14	k	Polycotr cleta	Hesperiidae 06-SRNP-40231
Figure 4	l	Dyscophellus ramon	02-SRNP-1606-DHJ65445.jpg	Figure S14	l	Dyscophellus ramon	Hesperiidae 02-SRNP-1606
Figure S1	a	Iliana Burns01	08-SRNP-72255-DHJ447222.jpg	Figure S6	a	Iliana Burns01	Hesperiidae 07-SRNP-32860
Figure S1	b	Elymiotis Janzen03	08-SRNP-32120-DHJ445733.jpg	Figure S6	b	Elymiotis Janzen03	Notodontidae 08-SRNP-32120
Figure S1	c	Hemeroplanes triptolemus	97-SRNP-4423-DHJ42568.jpg	Figure S6	c	Hemeroplanes triptolemus	Sphingidae 03-SRNP-11366
Figure S1	d	Erinnyis crameri	08-SRNP-13094-DHJ437778.jpg	Figure S6	d	Erinnyis crameri	Sphingidae 97-SRNP-2417
Figure S1	e	Rifargia phanerostigma	08-SRNP-2589-DHJ437270.jpg	Figure S7	e	Rifargia phanerostigma	Notodontidae 07-SRNP-59536
Figure S1	f	Xylophanes chiron	07-SRNP-45592-DHJ428190.jpg	Figure S7	f	Xylophanes chiron	Sphingidae 07-SRNP-45592
Figure S1	g	Urbanus pronta	06-SRNP-41043-DHJ414255.jpg	Figure S7	g	Urbanus pronta	Hesperiidae 06-SRNP-41043
Figure S1	h	Tromba xanthura	06-SRNP-40904-DHJ414101.jpg	Figure S7	h	Tromba xanthura	Hesperiidae 06-SRNP-40460
Figure S1	i	Archaeoprepona demophon	05-SRNP-41858-DHJ407216.jpg	Figure S8	i	Archaeoprepona demophon	Nymphalidae 02-SRNP-2966
Figure S1	j	Pseudoscada pusio	06-SRNP-31749-DHJ412856.jpg	Figure S8	j	Pseudoscada pusio	Nymphalidae 01-SRNP-31749
Figure S1	k	Xylophanes tersa	05-SRNP-34374-DHJ405873.jpg	Figure S8	k	Xylophanes tersa	Sphingidae 05-SRNP-34374
Figure S1	l	Memphis artacaena	06-SRNP-40905-DHJ414118.jpg	Figure S8	l	Memphis artacaena	Nymphalidae 06-SRNP-40905
Figure S2	a	Bungalotis astylos	97-SRNP-6185-DHJ43270.jpg	Figure S9	a	Bungalotis astylos	Hesperiidae 97-SRNP-6185
Figure S2	b	Oenomaus Robbins01	97-SRNP-6284.1-DHJ43368.jpg	Figure S9	b	Oenomaus Robbins01	Lycaenidae 97-SRNP-6284.1
Figure S2	c	Emesis aurimna	97-SRNP-4295-DHJ42485.jpg	Figure S9	c	Emesis aurimna	Riodinidae 97-SRNP-4295
Figure S2	d	Lycaenidae 95-SRNP-10561	95-SRNP-10561-DHJ26033.jpg	Figure S9	d	Lycaenidae 95-SRNP-10561	Lycaenidae 95-SRNP-10561
Figure S2	e	Pellicia dimidiata	93-SRNP-6956-DHJ26597.jpg	Figure S10	e	Pellicia dimidiata	Hesperiidae 93-SRNP-6956
Figure S2	f	Celaenorrhinus Burns01	02-SRNP-6150-DHJ64826.jpg	Figure S10	f	Celaenorrhinus Burns01	Hesperiidae 02-SRNP-2277
Figure S2	g	Pellicia arina	92-SRNP-3391-DHJ16083.jpg	Figure S10	g	Pellicia arina	Hesperiidae 92-SRNP-3391
Figure S2	h	Mimoides branchus	08-SRNP-57288-DHJ442951.jpg	Figure S10	h	Mimoides branchus	Papilionidae 08-SRNP-57288
Figure S2	i	Chrysospectrum Burns01	08-SRNP-41219-DHJ446434.jpg	Figure S11	i	Chrysospectrum Burns01	Hesperiidae 00-SRNP-14156
Figure S2	j	Memphis proserpina	08-SRNP-35389-DHJ440855.jpg	Figure S11	j	Memphis proserpina	Nymphalidae 08-SRNP-35389
Figure S2	k	Urbanus belli	08-SRNP-31826-DHJ445491.jpg	Figure S11	k	Urbanus belli	Hesperiidae 03-SRNP-10927, 08-SRNP-31826
Figure S2	l	Symmachia rubina	07-SRNP-34357-DHJ434756.jpg	Figure S11	l	Symmachia rubina	Riodinidae 07-SRNP-66114, 07-SRNP-34357



Figure S1. ACG last instar caterpillars displaying false eye spots. See SI Appendix, Table S1 for names and voucher codes.



Figure S2. ACG pupae displaying false eye spots. See S1 Appendix, Table S1 for names and voucher codes.



Figure 3.

Figure S3. ACG last instar caterpillars bearing false eye spots but as viewed laterally and dorsally. See SI Appendix, Table S1 for names and voucher codes.



Figure 4.

Figure S4. ACG last instar caterpillars bearing false eye spots but as viewed laterally and dorsally. See SI Appendix, Table S1 for names and voucher codes.



Figure 5.

Figure S5. ACG last instar caterpillars bearing false eye spots but as viewed laterally and dorsally. See SI Appendix, Table S1 for names and voucher codes.

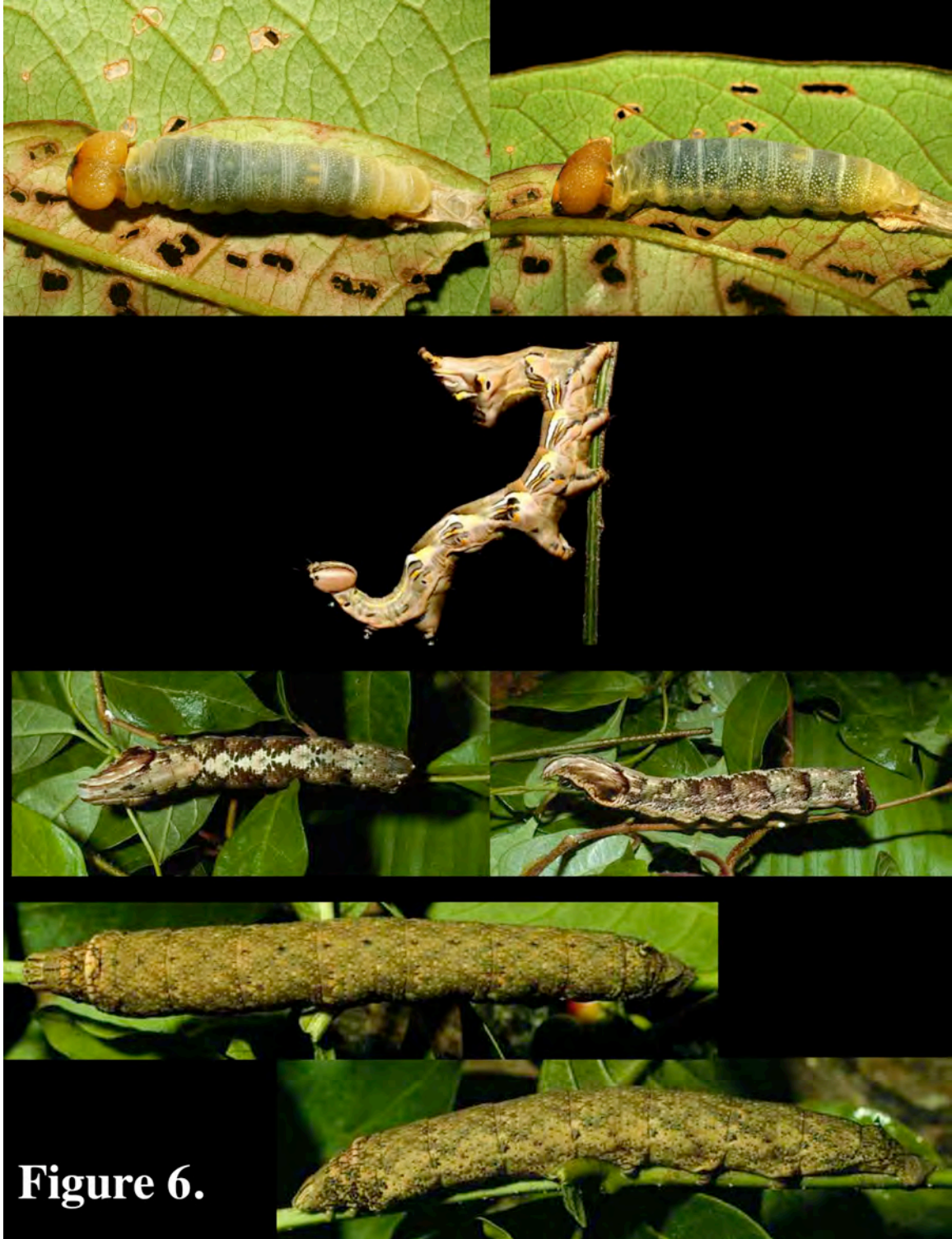


Figure S6. ACG last instar caterpillars bearing false eye spots but as viewed laterally and dorsally. See SI Appendix, Table S1 for names and voucher codes.



Figure 7.

Figure S7. ACG last instar caterpillars bearing false eye spots but as viewed laterally and dorsally. See SI Appendix, Table S1 for names and voucher codes.



Figure 8.

Figure S8. ACG last instar caterpillars bearing false eye spots but as viewed laterally and dorsally. See SI Appendix, Table S1 for names and voucher codes.



Figure 9.

Figure S9. ACG pupae bearing false eye spots but as viewed laterally and dorsally. See SI Appendix, Table S1 for names and voucher codes.



Figure S10. ACG pupae bearing false eye spots but as viewed laterally and dorsally. See SI Appendix, Table S1 for names and voucher codes.



Figure 11.

Figure S11. ACG pupae bearing false eye spots but as viewed laterally and dorsally. See SI Appendix, Table S1 for names and voucher codes.



Figure S12. ACG pupae bearing false eye spots but as viewed laterally and dorsally. See SI Appendix, Table S1 for names and voucher codes.



Figure S13. ACG pupae bearing false eye spots but as viewed laterally and dorsally. See SI Appendix, Table S1 for names and voucher codes.



Figure 14.

Figure S14. ACG pupae bearing false eye spots but as viewed laterally and dorsally. See SI Appendix, Table S1 for names and voucher codes.