

**specimen**

DNAAZ45\_Anthelidae\_Anthelinae\_Anthela\_asterias  
 DNAAZ27\_Anthelidae\_Anthelinae\_Anthela\_ocellata  
 MJM970299\_Anthelidae\_Anthela\_varia  
 MJM970330\_Anthelidae\_Anthelinae\_Chelepteryx\_collesi  
 MJM960289\_Anthelidae\_Anthelinae\_Nataxa\_flavescens  
 AZ073114\_Anthelidae\_Anthelinae\_Pterolocera\_amplicornis  
 LEP24256\_Bombycidae\_Apatelodes\_firmiana  
 \_FG120036B\_Apatelodidae\_comp\_R  
 LEP47939\_Bombycidae\_Epiinae\_Arotros\_striata  
 Zwick5031\_Apatelodidae\_Apatelodinae\_Drepatelodes\_quadrilineata  
 LEP45413\_Apatelodidae\_Apatelodinae\_Drepatelodes\_sp  
 Zwick5215\_Apatelodidae\_Apatelodinae\_Ephoria\_liliana  
 LEP42615\_Apatelodidae\_Apatelodinae\_Ephoria\_basifulva  
 Zwick5132\_Apatelodidae\_Apatelodinae\_Falcatelodes\_anava  
 LEP43299\_Apatelodidae\_Apatelodinae\_Olceclostera\_amoria  
 RSP941023\_Apatelodidae\_Olceclostera\_seraphica  
 LEP48070\_Bombycidae\_Epiinae\_Prothysana\_sp  
 LEP41071\_Apatelodidae\_Apatelodinae\_Prothysana-Tarchon-Zanola\_sp  
 LEP45524\_Apatelodidae\_Apatelodinae\_Zanola\_sp  
 \_BMORI\_comp\_R  
 SN000014\_Bombycidae\_Ernolatia\_moorei  
 LEP47935\_Bombycidae\_Bombycinae\_Gunda\_cf-ochracea  
 LEP44330\_Bombycidae\_Bombycinae\_Penicilifera\_sp  
 LEP20160\_Bombycidae\_Bombycinae\_Ocinara\_sp  
 LEP48071\_Bombycidae\_Bombycinae\_Rotunda\_rotundapex  
 SN000008\_Bombycidae\_Bombycinae\_Trilocha\_sp  
 AYK040514\_Bombycidae\_Bombycinae\_Triuncina\_brunnea  
 LEP44921\_Bombycidae\_Epiinae\_Anticla\_antica  
 LEP44765\_Bombycidae\_Epiinae\_Anticla\_ortygia  
 FG120013\_Bombycidae\_Bombycinae\_Epiini\_Colla\_sp  
 LEP44411\_Bombycidae\_Epiinae\_Colla\_sp  
 LEP43318\_Bombycidae\_Epiinae\_Epia\_lunilinea  
 LEP05982\_Bombycidae\_Epia\_muscosa  
 LEP44961\_Bombycidae\_unknown\_New-genus\_new-species  
 LEP05605\_Bombycidae\_Quentalia\_lividia  
 LEP05507\_Bombycidae\_Quentalia\_melchthalia  
 RROU00221\_Brahmaeidae\_Acanthobrahmaea\_europaea\_sp  
 LEP12430\_Brahmaeidae\_Brahmaea\_sp  
 LEP36666\_Brahmaeidae\_unknown\_Brahmaea\_japonica  
 LEP43940\_Brahmaeidae\_unknown\_Dactyloceras\_sp  
 S1C2R3B\_Brahmaeidae\_unknown\_Lemonia\_philopalus

**Family**

Anthelidae  
 Anthelidae  
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 Apatelodidae  
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 Brahmaeidae  
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 Brahmaeidae

RSA2010C_Brahmaeidae_unknown_Spiramiopsis_comma	Brahmaeidae
TB032180_Carthaeidae_Carthaea_saturnioides	Carthaeidae
LEP48069_Endromidae_Andraca_trilochoides_sp	Endromidae
LEP48063_Endromidae_Comparmustilia_sphingiformis_sp	Endromidae
RSP951002_Endromidae_Endromis_versicolora	Endromidae
RXR020511_Mirinidae_Mirina_christophi	Endromidae
LEP48065_Endromidae_Mustilia_glabrata_sp	Endromidae
LEP14795_Endromidae_unknown_Mustilizans_dierli	Endromidae
SMNSDNAAZ734_Endromidae_unknown_Oberthueria_caeca	Endromidae
AYK040504_Endromidae_Oberthueria_formosibia	Endromidae
AYK0408249_Endromidae_Prismosticta_fenestrata	Endromidae
LEP48068_Endromidae_Pseudandraca_flavamaculata_sp	Endromidae
DNAAZ58_Eupterotidae_Eupterotinae_Cotana_serranotata	Eupterotidae
LEP15770_Eupterotidae_Eupterotinae_Eupterote_sp-Malaysia	Eupterotidae
LEP14884_Eupterotidae_Eupterotinae_Eupterote_asclepiades	Eupterotidae
LEP12127_Eupterotidae_Ganisa_similis	Eupterotidae
LEP12405_Eupterotidae_Ganisa-group_Melanothrix_sp-Malaysia	Eupterotidae
SMNSDNAAZ700_Eupterotidae_Ganisa-group_Melanothrix_sp-Phillipines	Eupterotidae
LEP46921_Eupterotidae_Ganisa-group_Neopreptos_sp	Eupterotidae
LEP29037_Eupterotidae_Ganisa-group_Pseudoganisa_currani	Eupterotidae
LEP13121_Eupterotidae_Ganisa-group_Pseudojana_sp	Eupterotidae
SMNSDNALEP298_Eupterotidae_Janinae_Acrojana_scutaea	Eupterotidae
LEP43930_Eupterotidae_Janinae_Camerunia_sp	Eupterotidae
LEP43933_Eupterotidae_Janinae_Hibrildes_sp	Eupterotidae
LEP43927_Eupterotidae_Janinae_Hoplojana_sp	Eupterotidae
SMNSDNALEP293_Eupterotidae_Janinae_Jana_preciosa	Eupterotidae
SMNSDNALEP327_Eupterotidae_Janinae_Jana_strigina	Eupterotidae
LEP40331_Eupterotidae_Janinae_Rhodoptermana_sp	Eupterotidae
SMNSDNALEP289_Eupterotidae_Janinae_Stenoglone_uniformis	Eupterotidae
DNAAZ69_Eupterotidae_Panacelinae_Panacela_lewinae	Eupterotidae
RSA2010B_Eupterotidae_Striphnopteryginae_Lichenopteryx_despecta	Eupterotidae
SMNSDNALEP329_Eupterotidae_Striphnopteryginae_Phiala_cunina-albida	Eupterotidae
LEP31093_Eupterotidae_Striphnopteryginae_Phiala_wichgrafi	Eupterotidae
_FG120070B_Lasiocampid_comp_R	Lasiocampidae
I3488_Lasiocampidae_Trabala_hantu	Lasiocampidae
FG120098B_Phiditiidae_Phiditiinae_NS_Phiditia_sp	Phiditiidae
LEP24348_Phiditiidae_unknown_Phiditia_sp	Phiditiidae
DHJ022451_Phiditiidae_Sorocaba_spJanzen01	Phiditiidae
LEP36749_Saturniidae_Aglia_japonica	Saturniidae
RRou00164_Saturniidae_Arsenurinae_Almeidaia_aidae	Saturniidae
LEP29044_Saturniidae_Arsenura_armida	Saturniidae
LEP39470_Saturniidae_Ceratocampinae_Anisota_pellucida	Saturniidae

I3503_Saturniidae_Eacles_imperialis_or_ormondei	Saturniidae
LEP41811_Saturniidae_Cercophaninae_Cercophana_venusta	Saturniidae
LEP43116_Saturniidae_Cercophaninae_Janiodes_ecuadoriensis	Saturniidae
ADW1522_Saturniidae_Hemileucinae_Hemileuca_magnifica	Saturniidae
LEP47817_Saturniidae_Hemileucinae_Polythysana_cinerascens	Saturniidae
I3533_Oxytenidae_Oxytenis_sp	Saturniidae
LEP41093_Saturniidae_Salassa_sp	Saturniidae
LEP28601_Saturniidae_Rothschildia_lebeau	Saturniidae
LEP32277d_Saturniidae_Bunaea_alcinoe	Saturniidae
LEP43920_Saturniidae_Saturniinae_Micragone_agathylla	Saturniidae
S1C1R3D_Saturniidae_Saturniinae_Saturnia-Eudia_pavonia	Saturniidae
LEP41075_Saturniidae_Eudaemonia_agriphontes	Saturniidae
I3523_Laophontidae_Langia_zenzeroides	Sphingidae
I3530_Sphingidae_Pseudosphinx_UNKNOWN	Sphingidae
LEP36752_Sphingidae_Macroglossinae_Hemaris_thysbe	Sphingidae
LEP12513_Sphingidae_Macroglossinae_Macroglossum_sylvia	Sphingidae
I3521_Sphingidae_Cypa_decolor	Sphingidae
AD3153_Sphingidae_Andriasa_contraria	Sphingidae
LEP21041_Sphingidae_Smerinthinae_Polyptychus_andosa	Sphingidae
PD3159_Sphingidae_Polyptychus_digitatus	Sphingidae
PB5839_Sphingidae_Pseudoclanis_kenyae	Sphingidae
LEP12192_Sphingidae_Ambulyx_canescens	Sphingidae
LEP12527_Sphingidae_Callambulyx_rubricosa	Sphingidae
I3511_Sphingidae_Coequosa_triangularis	Sphingidae
Ffaa_Sphingidae_Falcatula_falcata	Sphingidae
V005T_Sphingidae_Smerinthinae_Smerinthini_Parum_colligata	Sphingidae
LEP12973_Sphingidae_Smerinthinae_Clanis_undulosa	Sphingidae
I3524_Sphingidae_Mimas_tiliae	Sphingidae
SW130203T_Sphingidae_Smerinthinae_Smerinthini_Marumba_juvenus	Sphingidae
LEP23372_Sphingidae_Smerinthinae_Smerinthus_jamaicensis	Sphingidae
I3512_Sphingidae_Hopliocnema_brachycera	Sphingidae
Pqqc_Sphingidae_Sphinginae_Pentateucha_curiosa	Sphingidae
I3519_Sphingidae_Sphinx_chersis	Sphingidae
DT2557_Sphingidae_Dolbina_tancrei	Sphingidae

<b>Subfamily</b>	<b>Tribe</b>	<b>Genus</b>
Anthelinae		Anthela
Anthelinae		Anthela
Anthelinae		Anthela
Anthelinae		Chelepteryx
Anthelinae		Nataxa
Anthelinae		Pterolocera
		Apatelodes
		Apatelodes
		Arotros
		Drepatelodes
		Drepatelodes
		Ephoria
		Ephoria
		Falcatelodes
		Olceclostera
		Olceclostera
		Prothysana
		Zanola
		Zanola
Bombycinae		Bombyx
Bombycinae		Ernolatia
Bombycinae		Gunda
Bombycinae		Penicilifera
Bombycinae		Racinoa
Bombycinae		Rotunda
Bombycinae		Trilocha
Bombycinae		Triuncina
Epiinae		Anticla
Epiinae		Anticla
Epiinae		Colla
Epiinae		Colla
Epiinae		Epia
Epiinae		Epia
Epiinae		New-genus
Epiinae		Quentalia
Epiinae		Quentalia
		Brahmaea
		Brahmaea
		Brahmaea
		Dactyloceras
		Lemonia

Eupterotinae  
Eupterotinae  
Eupterotinae  
Ganisa-group  
Ganisa-group  
Ganisa-group  
Ganisa-group  
Ganisa-group  
Ganisa-group  
Janinae  
Janinae  
Janinae  
Janinae  
Janinae  
Janinae  
Janinae  
Janinae  
Panacelinae  
Striphnopteryginae  
Striphnopteryginae  
Striphnopteryginae

Agliinae  
Arsenurinae  
Arsenurinae  
Ceratocampinae

Almeidaiini  
Arsenurini

Spiramiopsis  
Carthaea  
Andraca  
Comparmustilia  
Endromis  
Mirina  
Mustilia  
Mustilizans  
Oberthueria  
Oberthueria  
Prismosticta  
Pseudandraca  
Cotana  
Eupterote  
Sphingognatha  
Ganisa  
Melanothrix  
Melanothrix  
Neopreptos  
Pseudoganisa  
Pseudojana  
Acrojana  
Camerunia  
Hibrildes  
Hoplojana  
Jana  
Jana  
Rhodoptariana  
Stenoglene  
Panacela  
Lichenopteryx  
Phiala  
Phiala  
Artace  
Trabala  
Phiditia  
Phiditia  
Sorocaba  
Aglia  
Almeidaia  
Arsenura  
Anisota

Ceratocampinae		Eacles
Cercophaninae	Cercophanini	Cercophana
Cercophaninae	Janiodini	Janiodes
Hemileucinae	Hemileucini	Hemileuca
Hemileucinae	Polythysanini	Polythysana
Oxyteninae		Oxytenis
Salassinae		Salassa
Saturniinae	Attacini	Rothschildia
Saturniinae	Bunaeini	Bunaea
Saturniinae	Micragonini	Micragone
Saturniinae	Saturniini	Saturnia
Saturniinae	Urotini	Eudaemonia
Langiinae		Langia
Macroglossinae	Dilophonotini	Pseudosphinx
Macroglossinae	Hemarini	Hemaris
Macroglossinae	Macroglossini	Macroglossum
Smerinthinae	"Cypa Genus-Group"	Cypa
Smerinthinae	"Polyptychus Genus-Group"	Andriasa
Smerinthinae	"Polyptychus Genus-Group"	Polyptychus
Smerinthinae	"Polyptychus Genus-Group"	Polyptychus
Smerinthinae	"Polyptychus Genus-Group"	Pseudoclanis
Smerinthinae	Ambulycini	Ambulyx
Smerinthinae	Incertae Sedis	Callambulyx
Smerinthinae	Incertae Sedis	Coequosa
Smerinthinae	Incertae Sedis	Falcatula
Smerinthinae	Incertae Sedis	Parum
Smerinthinae	Leucophlebiini	Clanis
Smerinthinae	Mimatini	Mimas
Smerinthinae	Sichiini	Marumba
Smerinthinae	Smerinthini	Smerinthus
Sphinginae	"Australian Sphingulini"	Hopliocnema
Sphinginae	Pentateuchini	Pentateucha
Sphinginae	Sphingini	Sphinx
Sphinginae	Sphingulini	Dolbina

<b>species</b>	<b>EtoH/RNAlater/Dry</b>	<b>LEP1/BOMB1/Transcriptome/Genome</b>
asterias	EtOH	BOMB1
ocellata	EtOH	BOMB1
varia	EtOH	LEP1
collesi	EtOH	LEP1
flavescens	EtOH	LEP1
amplicornis	EtOH	BOMB1
firmiana	EtOH	LEP1
pithala	RNAlater	Transcriptome
striata	Dry (field pinned)	BOMB1
quadrilineata	RNAlater	BOMB1
sp	EtOH	BOMB1
liliana	RNAlater	BOMB1
marginalis	EtOH	BOMB1
anava	RNAlater	BOMB1
amoria	Dry (papered)	BOMB1
seraphica	EtOH	LEP1
sp	EtOH	BOMB1
sp	EtOH	BOMB1
sp	EtOH	BOMB1
mori	unknown	Genome
moorei	EtOH	LEP1
ochracea	Dry (field pinned)	BOMB1
sp	Dry (papered)	BOMB1
sp	EtOH	BOMB1
rotundapex	Dry (field pinned)	BOMB1
sp	EtOH	BOMB1
brunnea	EtOH	BOMB1
antica	EtOH	BOMB1
ortygia	EtOH	BOMB1
micacea	RNAlater	Transcriptome
sp	Dry (papered)	BOMB1
lunilinea	Dry (papered)	BOMB1
muscosa	EtOH	LEP1
new-species	EtOH	BOMB1
lividia	EtOH	LEP1
melchthalia	EtOH	LEP1
europaea	EtOH	BOMB1
hearseyi	EtOH	LEP1
japonica	Dry (papered)	BOMB1
sp	Dry (papered)	BOMB1
philopalus	EtOH	BOMB1

comma	EtOH	BOMB1
saturnioides	EtOH	LEP1
trilochoides	Dry (field pinned)	BOMB1
sphingiformis	Dry (field pinned)	BOMB1
versicolora	EtOH	LEP1
christophi	EtOH	LEP1
glabrata	Dry (field pinned)	BOMB1
dierli	EtOH	BOMB1
caeca	EtOH	BOMB1
formosibia	EtOH	LEP1
fenestrata	EtOH	LEP1
flavamaculata	Dry (field pinned)	BOMB1
serranotata	EtOH	BOMB1
sp-Malaysia	EtOH	BOMB1
asclepiades	EtOH	BOMB1
similis	EtOH	LEP1
sp-Malaysia	EtOH	BOMB1
sp-Phillipines	EtOH	BOMB1
sp	Dry (field pinned)	BOMB1
currani	Dry (papered)	BOMB1
sp	EtOH	BOMB1
scutaea	EtOH	BOMB1
sp	Dry (papered)	BOMB1
sp	Dry (papered)	BOMB1
sp	Dry (papered)	BOMB1
preciosa	EtOH	BOMB1
strigina	EtOH	BOMB1
sp	EtOH	BOMB1
uniformis	EtOH	BOMB1
lewinae	EtOH	BOMB1
despecta	EtOH	BOMB1
sp	EtOH	BOMB1
wichgrafi	EtOH	BOMB1
sp	RNAlater	Transcriptome
hantu	EtOH	LEP1
sp	RNAlater	Transcriptome
sp	EtOH	BOMB1
sp	EtOH	LEP1
japonica	Dry (papered)	LEP1
aidae	EtOH	LEP1
armida	EtOH	LEP1
pellucida	Dry (papered)	BOMB1



imperialis	EtOH	LEP1
venusta	Dry (pinned)	BOMB1
ecuadoriensis	Dry (papered)	BOMB1
magnifica	EtOH	BOMB1
cinerascens	Dry (pinned)	BOMB1
naemia	EtOH	LEP1
sp	Dry (papered)	LEP1
lebeau	Dry (papered)	LEP1
alcinoe	Dry (papered)	LEP1
agathylla	Dry (papered)	BOMB1
pavonia	EtOH	BOMB1
agriphontes	Dry (papered)	LEP1
zenzeroides	Dry (papered)	LEP1
tetrio	EtOH	LEP1
thysbe	Dry (papered)	BOMB1
sylvia	EtOH	BOMB1
decolor	EtOH	LEP1
contraria	EtOH	LEP1
andosa	EtOH	BOMB1
digitatus	EtOH	LEP1
kenyae	EtOH	LEP1
canescens	EtOH	LEP1
amanda	EtOH	LEP1
triangularis	EtOH	LEP1
falcata	EtOH	LEP1
colligata	RNAlater	Transcriptome
undulosa	EtOH	BOMB1
tiliae	EtOH	LEP1
juvencus	RNAlater	Transcriptome
jamaicensis	EtOH	BOMB1
brachycera	EtOH	LEP1
curiosa	EtOH	LEP1
chersis	EtOH	LEP1
tancrei	EtOH	LEP1

## Age of specimen?

2011

2016

2009

2011

1998

2016

2016

2014

2009

2011  
2011

2011

2011

2012  
2011

2009  
2009  
2009

2014

2017

1987  
2016

1994

2015  
2015  
2016  
2009

2016  
2013

2000