

Alma Maters



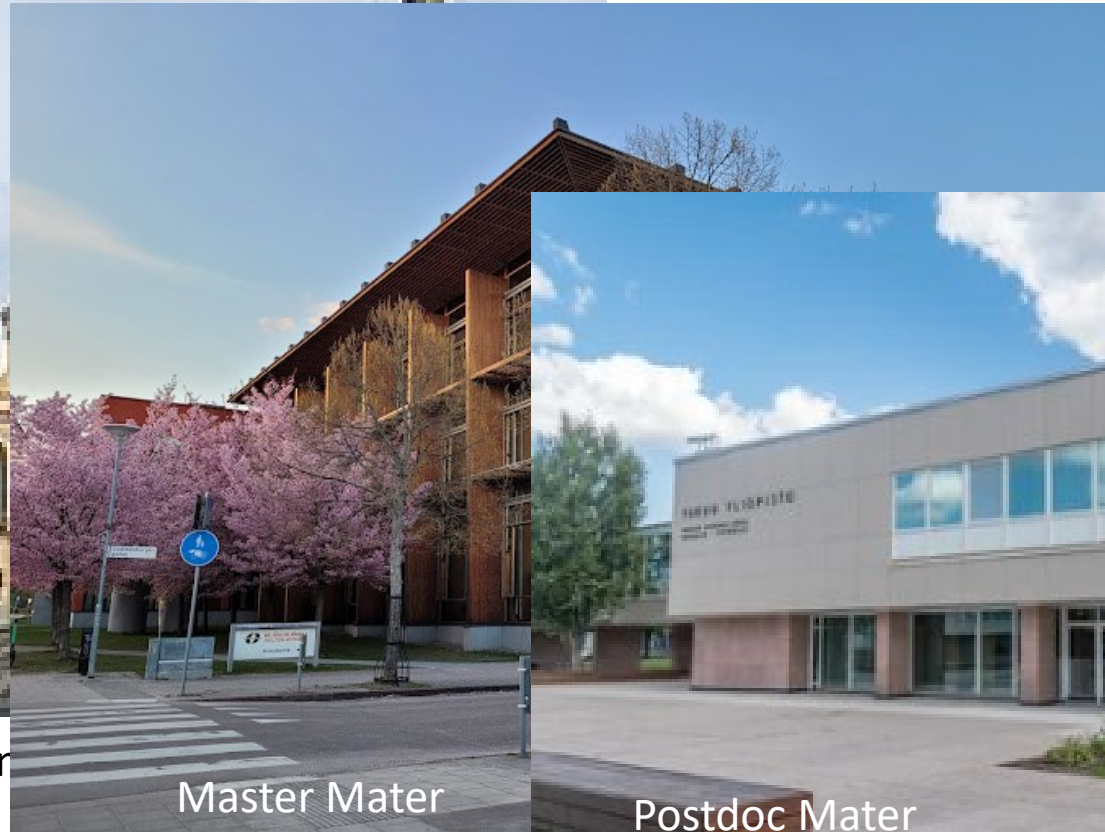
Birth Place

Baisogala, Lithuania



Alma Mater

Vilnius Univ. Lithuania



Master Mater

Malardalens Univ. Sweden



Postdoc Mater

Turku Univ. Finland

Jurate De Prins

Mentors – Professeurs



Dr. Lajos Vári
Ditsong Museum of Natural History
(formerly Transvaal), Pretoria
South Africa



Prof. Tosio Kumata
Insect Collection, Entomological Institute,
Hokkaido University, Sapporo
Japan



Dr. Donald R. Davis
Natural History Museum,
Smithsonian Institution,
Washington DC, USA

Trois modules de travail:

- Conservation des collections et gestion des données
- Recherche académique
- Diffusion des résultats et promotion de la science académique basée sur les collections

Conservation des collections - système modulaire



NHM, Londres - 11 familles de microlépidoptères

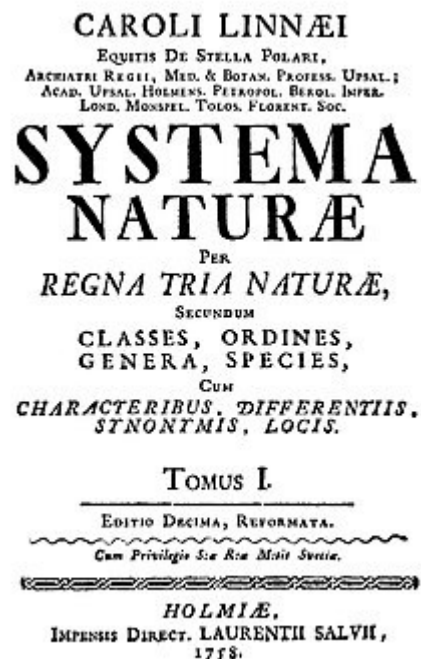
Normandy_2025



RBINS, Bruxelles - collection de microlépidoptères de
Jurate De Prins

Passage à la gestion des données numériques

1758



Données statiques

- ✓ Nomenclature binominale universelle dans une langue
- ✓ Noms de taxons uniques
- ✓ Démocratisation et accessibilité des connaissances sur la biodiversité
- ✓ Des possibilités illimitées de continuer

2025

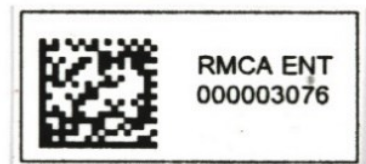


Données circulaires, actualisables en temps réel

- ✓ Programmation universelle en SQL
- ✓ Codage unique lisible par machine
- ✓ Accessibilité des connaissances sur la biodiversité grâce à l'internet
- ✓ Possibilités illimitées d'ajouter et de trier des données

Passage à la gestion des données numériques

Structure complexe - Utilisation simple - Système en ligne



Recherche de spécimen

Littérature

Gracillariidae — Start menu

Literature data

See entire list

Add new literature

Add new taxonomic keywords

Add new geographical keywords

Add new journals

Print taxonomic keywords list

Print geographical keywords list

Print journals list

Print missing literature

Search on keywords

Taxonomic data

Families Species



Faunistic data

Faunistics

Genitalia preparations

Loan manager

Write a new loan form

Check all open loans

Check all loans

Change an open loan

Scantext:

Look for this specimen

Gracillariidae Literature Module — Main form

Code number 2586

Author Meyrick, E.

Year 1920a

Title Exotic Microlepidoptera.

Journal Exotic Microlepidoptera (Marlborough)

Publisher

Volume 2 Issue 10 Pages 289-320

Language English Present in library Selected Web

PDF

BHL <http://biodiversitylibrary.org/page/2908695>

DOI

Add taxonomic keywords Add geographical keywords

My Keywords Description Acrocercops eurychaka melanosoma asaphogramma Brazil clinozona contorta ramigera rhynchograpta osteopa callinacha prospera clytosema chalinopa penographa crucigera lithogramma gracillaria iparoxantha pneumatica Parectopa tyrilancha Phyllocnistis hagnopa India Spanioptila codicaria nemesea mesochaeta Cyphosticta centrometra Timodora cyanoxantha aeolastis Australia

Geographical keyword list

- Alghanistan
- Africa
- Afrotropical
- Albania
- Aldabra Island
- Algeria
- Alps
- Angola
- Antilles
- Appennines
- Argentina
- Armenia
- Asia
- Australia
- Australia (Queensland)
- Austria
- Azerbaijan
- Azores
- Bahamas
- Bangladesh
- Barbados
- Belarus
- Belgium
- Belize
- Benin
- Bermude
- Bhutan
- Bolivia
- Bosnia

Cancel / End

Gracillariidae Taxonomy module — Species group data

Gracillariidae Acrocercops Wallengren, 1881 Genus nr. 100010

Acrocercopinae Species nr. 100010750

clinozona Meyrick, 1920 Species code ACROCLIN

Palaearctic Neotropical Europe Oriental Australasian Afrotropical

Reference to higher taxon Original description checked Website Selected

Citation Taxonomy Distribution Host plants Parasitism Image Genitalia DNA Common names Photographs Additional reports

Type locality Australia, Queensland, Brisbane

Latitude (South + minus) Longitude Decimal (calculated) Latitude Decimal Longitude Decimal

-27 28 0 153 1 -26.533333 153.0166667

Type specimens (♂-male, ♀-female)

Holotype ♀, coll. Walsingham nr. 19432, BMNH(E) 1055773, BMNH.

Comments on taxonomic status

Add/Change Remove

Gracillariidae Faunistic module — Main form

Gracillariidae Acrocercops Wallengren, 1881 Cupboard Box Row

Acrocercopinae Bomanginatus (Walsingham, 1897) Old New Cat.

Locality Saint Thomas Date 12-03-1894 Type Holotype

Specific locality

Latitude Longitude

Decimal Latitude Longitude

UTM code Altitude 800 m

Province Country Virgin Islands, U.S.

Temp start Temp stop

Start time Stop time

Remarks about locality

Number of specimens 1

Legit Hedemann W.

Coll. The Trustees of the N.

Recording unknown

Accept data for calculations Yes

Export Web

DNA voucher

GenBank

Gen. prep. BMNH 31293/

ID-code BMNH(E) 1467636

On loan Loan number

Distribution

Cuba

Puerto Rico

Virgin Islands, U.S.

Saint Thomas

Photograph

Hostplants

Centrosema plumen (Pers.) Benth.

Sida rhombifolia L., 1753

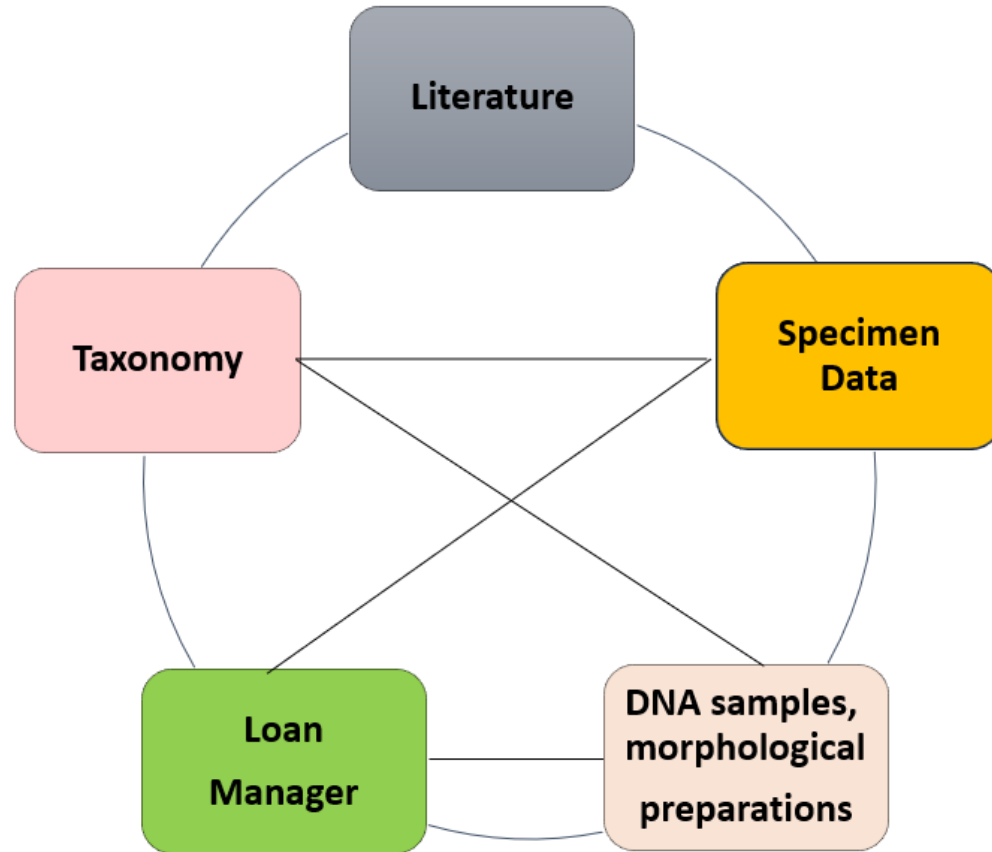
Fabaceae

Malvaceae

Taxonomie

Faunistique

STRUCTURE ET ARCHITECTURE DES DONNÉES



Étape 1. Les données sont structurées

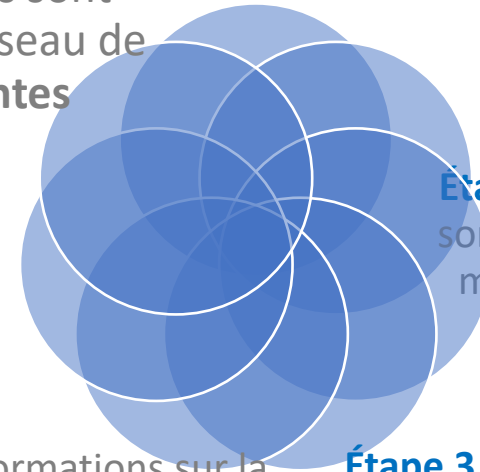
Étape 6. Les données sont combinées dans un réseau de relations **intelligentes**

Étape 5. Visualisation des données

Étape 4. Les informations sur la biodiversité sont **intelligemment** extraites du texte et des données

Étape 3. Chaque unité de données (espèce/spécimen) doit obtenir un **identifiant unique**

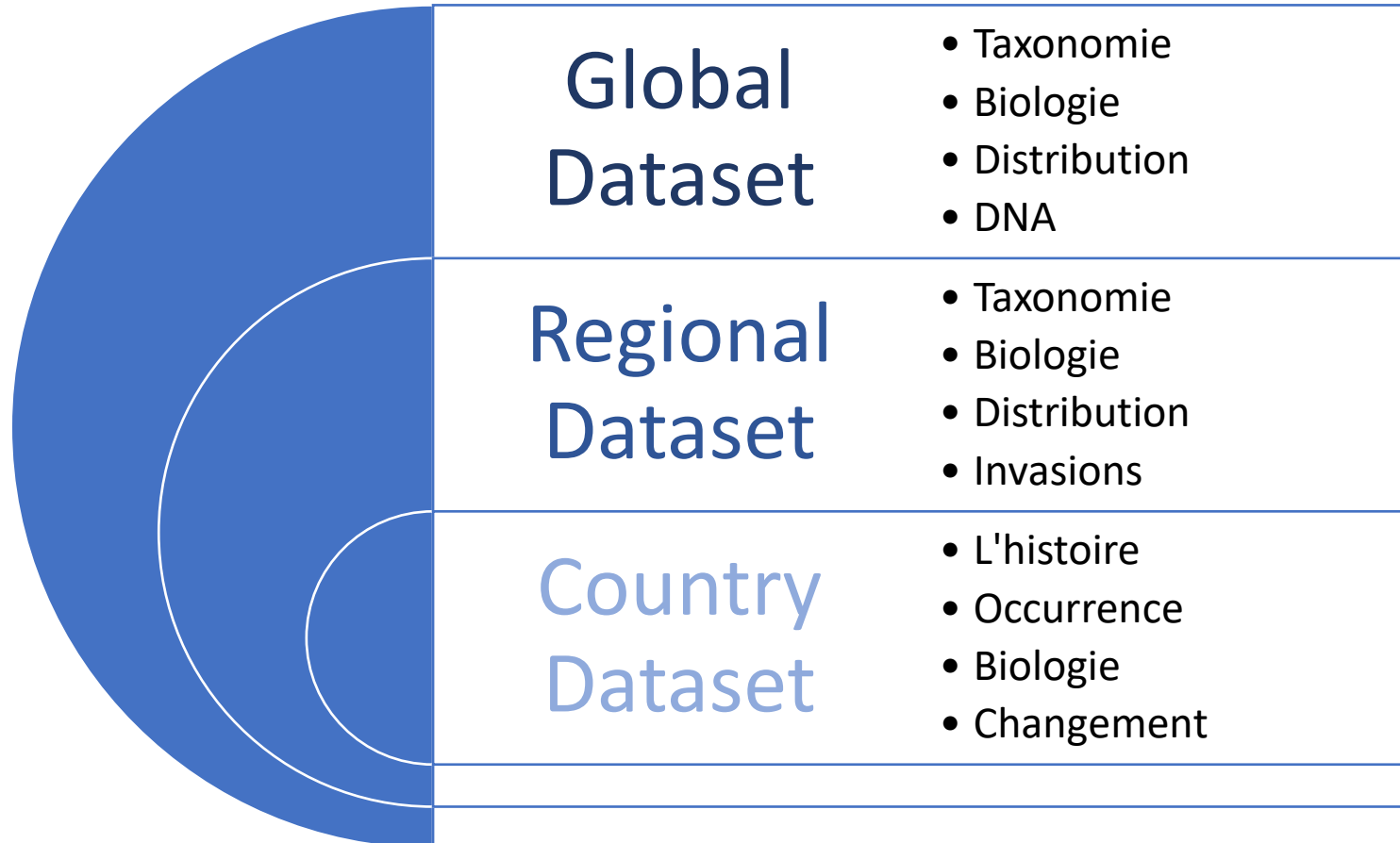
Étape 2. Les données sont présentées de la même manière, de façon **cohérente**



RELATIONS



Adapté à l'objectif en temps réel



Site web taxonomique mondial multi-interrogeable et actualisé en temps réel



Gracillariidae.net



Global Taxonomic Database of Gracillariidae (Lepidoptera)

[Home](#) [Species](#) [Museums](#) [Photos](#) [Publications](#) [About](#) Looking for names: [Welcome jdp](#) [Admin](#) [Logout](#)

Statistics	
last_updated	10 Jul 2025
Families	1
Tribes	6
Genera	168
Species(accepted)	2065
Species(synonyms)	415
Species(misapplied)	304
Subspecies	9
Plants	3528
Parasitoids	1253
Photos	5290
Types	3729
Publications	5176



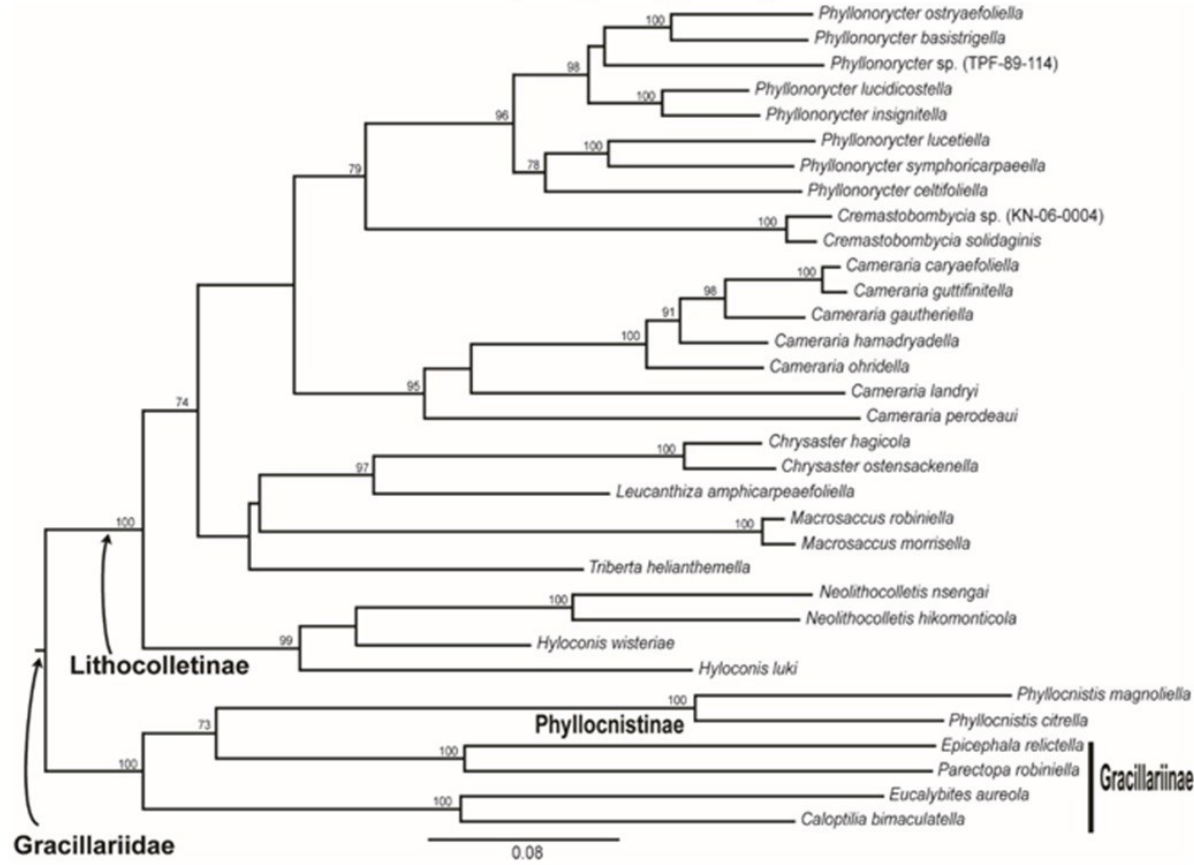
Welcome

This website provides an online database of all Gracillariidae (Lepidoptera) species of the World, updated with the latest information obtained from 5150+ published sources and from our own studies.

The current list is continuously updated and information on the original description, type locality, types and their depository, distribution and foodplants is added on a regular basis.

Phylogénie basée sur les gènes multinucléaires

Molecular phylogeny based on 11 nuclear genes



Maximum Likelihood tree of Lithocolletinae

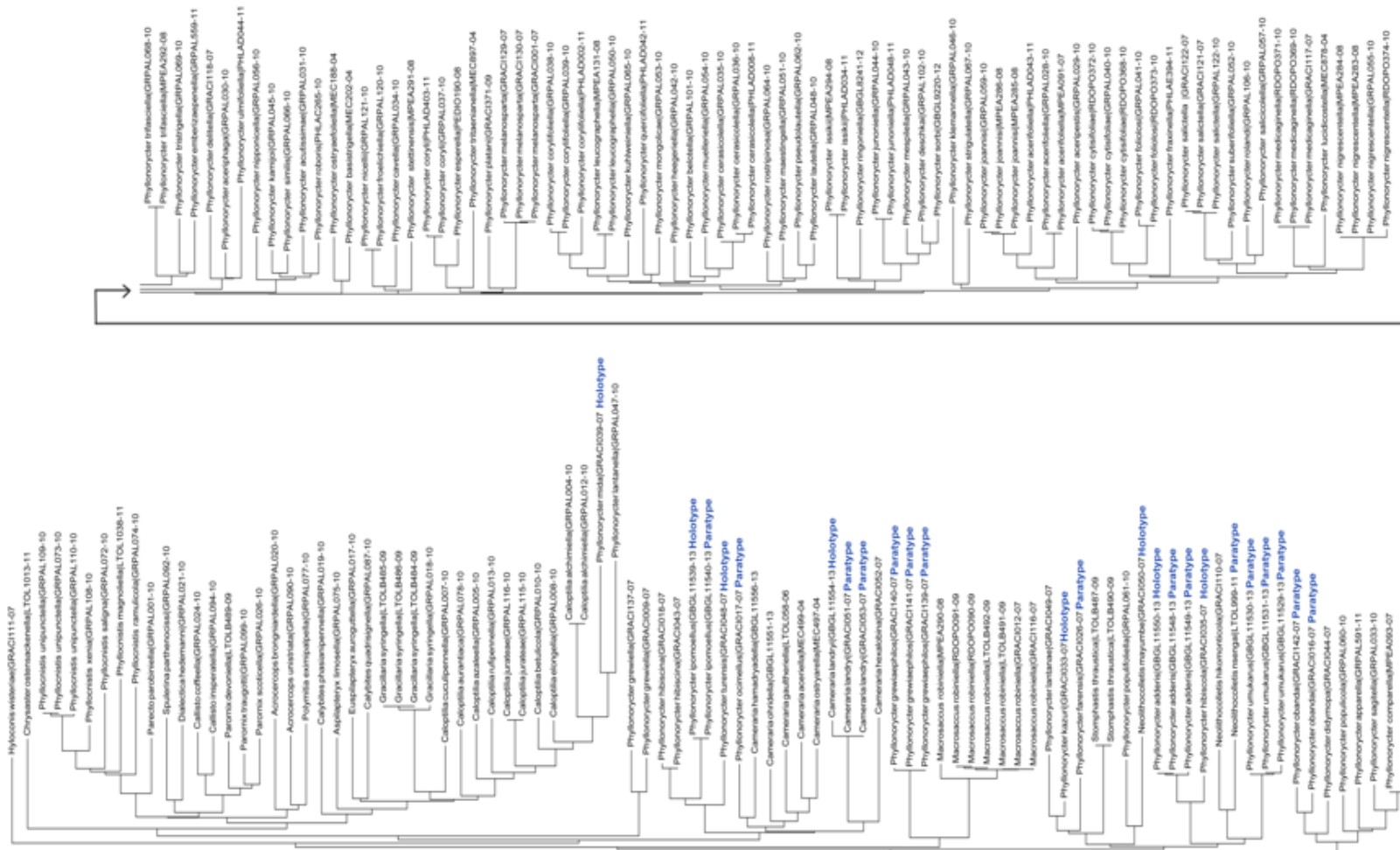
The sequences considered for our study consisted of 11 nuclear genes totaling 8,838 bp:
Gelsolin (552 bp), Histidyl tRNA synthetase (447 bp), AMP deaminase (768 bp), Glucose phosphate dehydrogenase (621 bp), Acetyl-coA carboxylase (501 p), Pyrimidine biosynthesis (CAD) (2,913 bp), Dopa-decarboxylase (708 bp), Enolase (1,134 bp), Elongation factor-1 alpha (519 bp), Histone 3 (273 bp), and Wingless (402 bp).

De Prins & Kawahara 2012

Kawahara et al. 2017

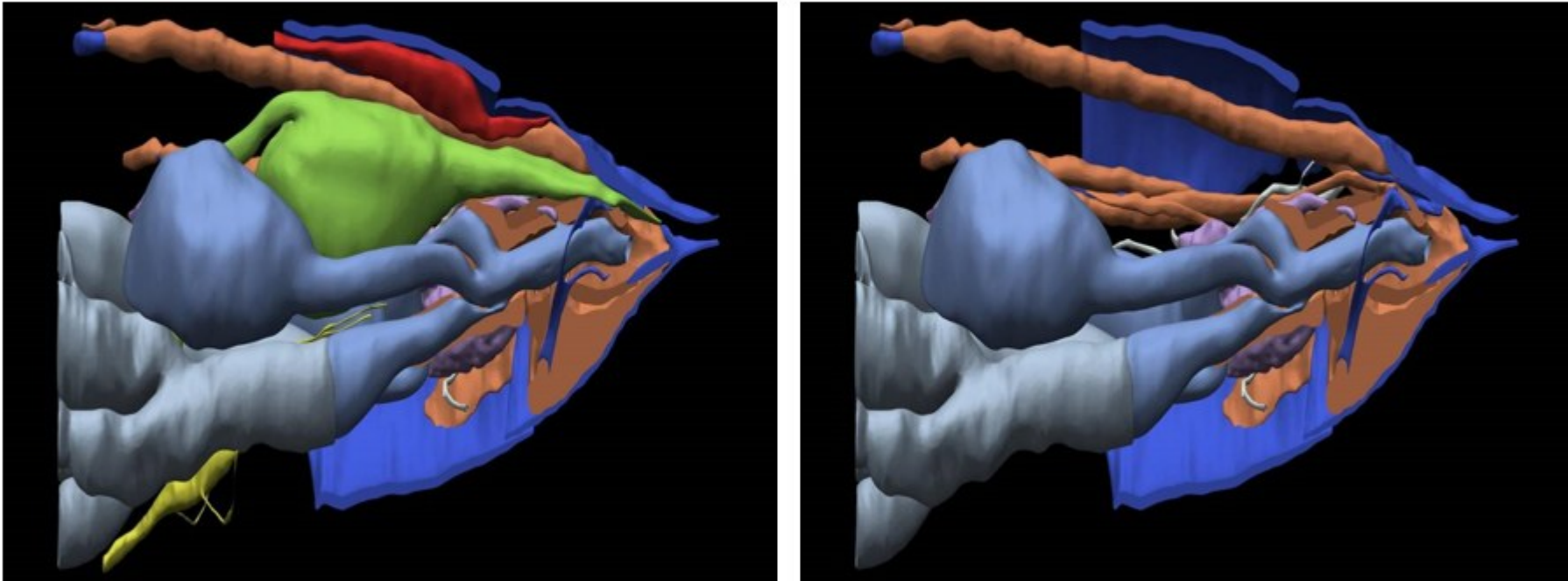


A preliminary DNA barcode (COI) library for global 124 gracillariiid species



Visualisation des spécimens de collection

After a marked decline in the last decades insect morphology and anatomy is enjoying a remarkable renaissance



3-Dimensional reconstruction of the last segments in females of micro-moths

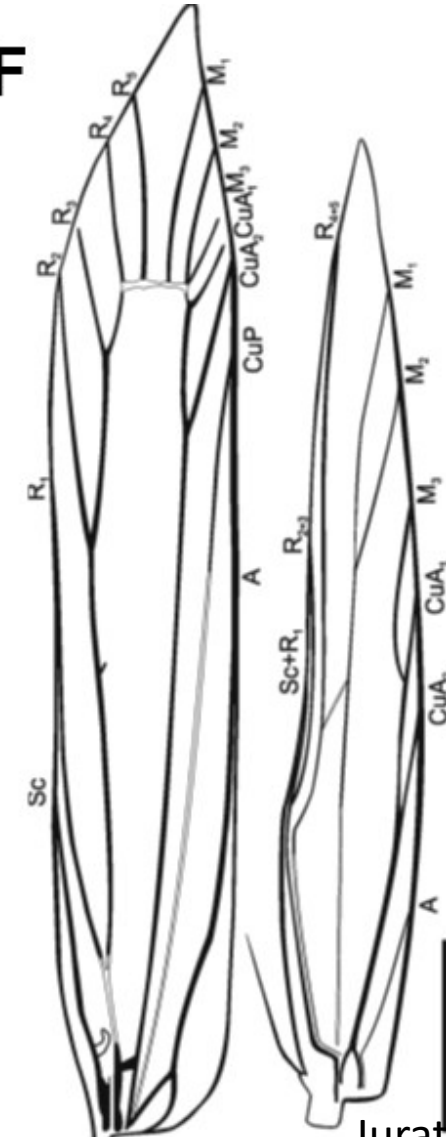
Preparations and images by Frank Hünefeld

VISUALIZATION OF COLLECTION

Innovative methods and new theoretical concepts have given new strong impulses to taxonomy



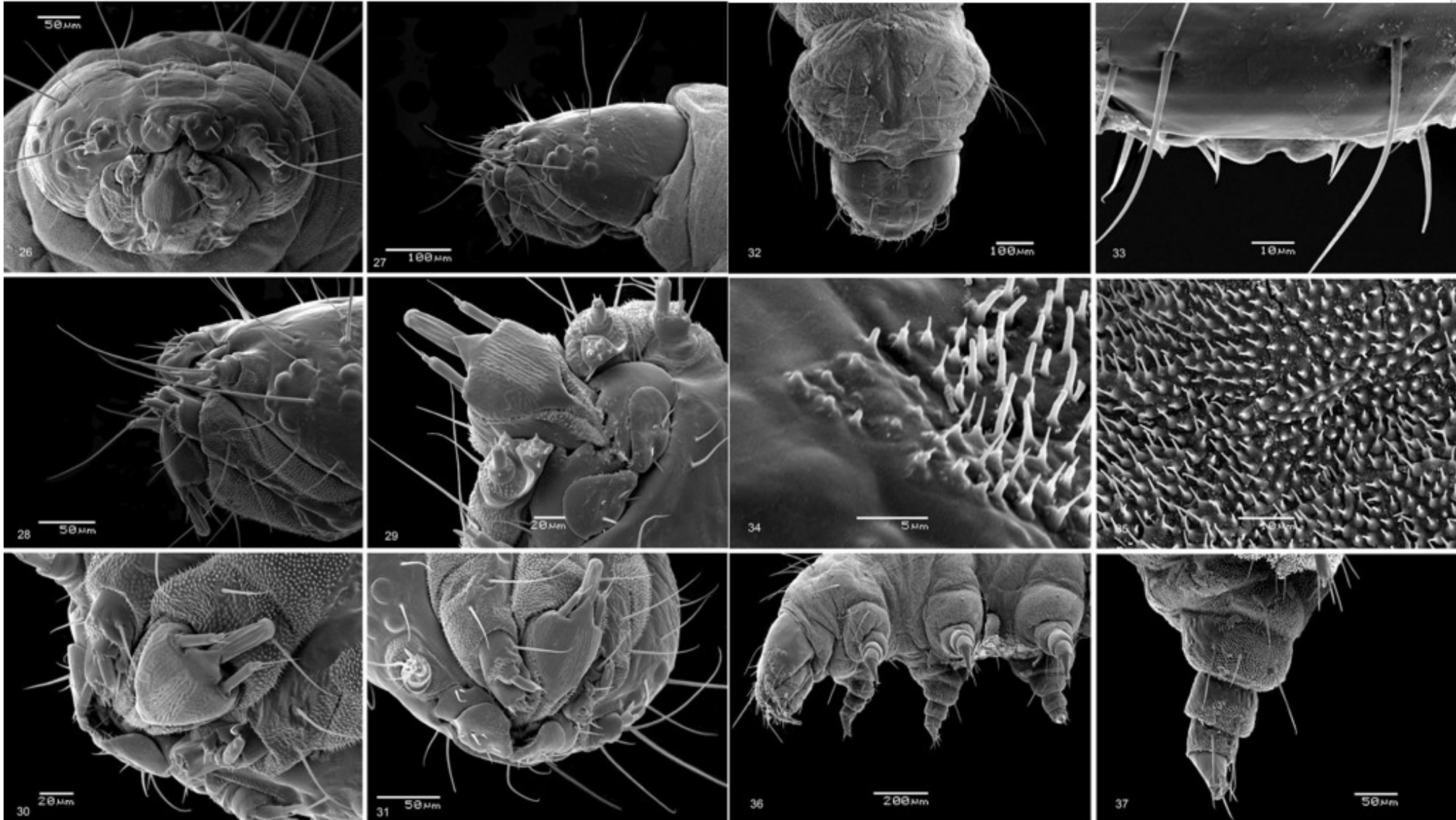
NON-DESTRUCTIVE VIRTUAL DISSECTION OF HISTORIC SPECIMENS



Virtual descaling by μ -CT of wings in the Fabrician type specimen

Robinson *et al.* 26 June 2018; <https://doi.org/10.11646/zootaxa.4441.1.8>

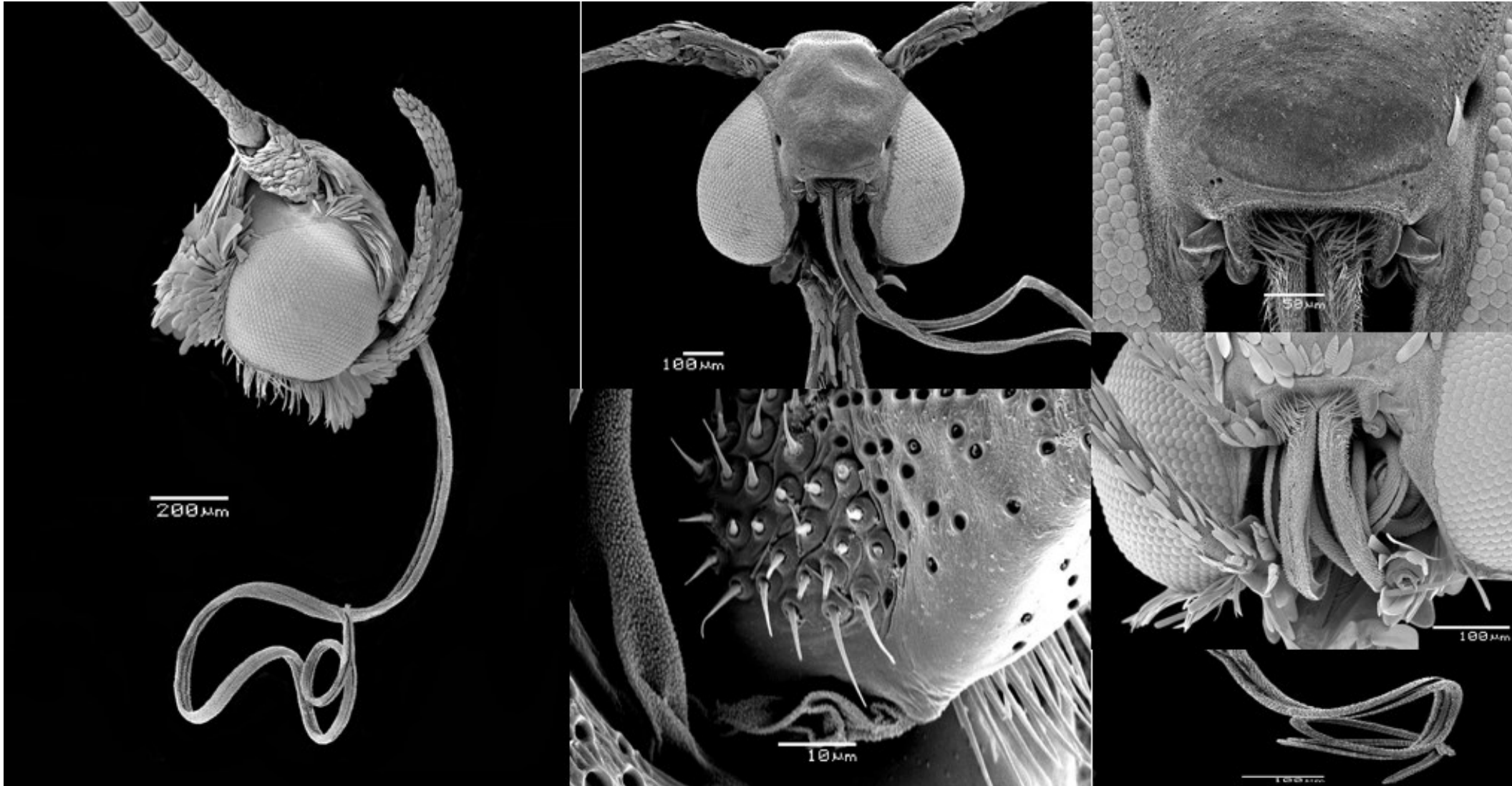
Jurate De Prins





PHEGEA

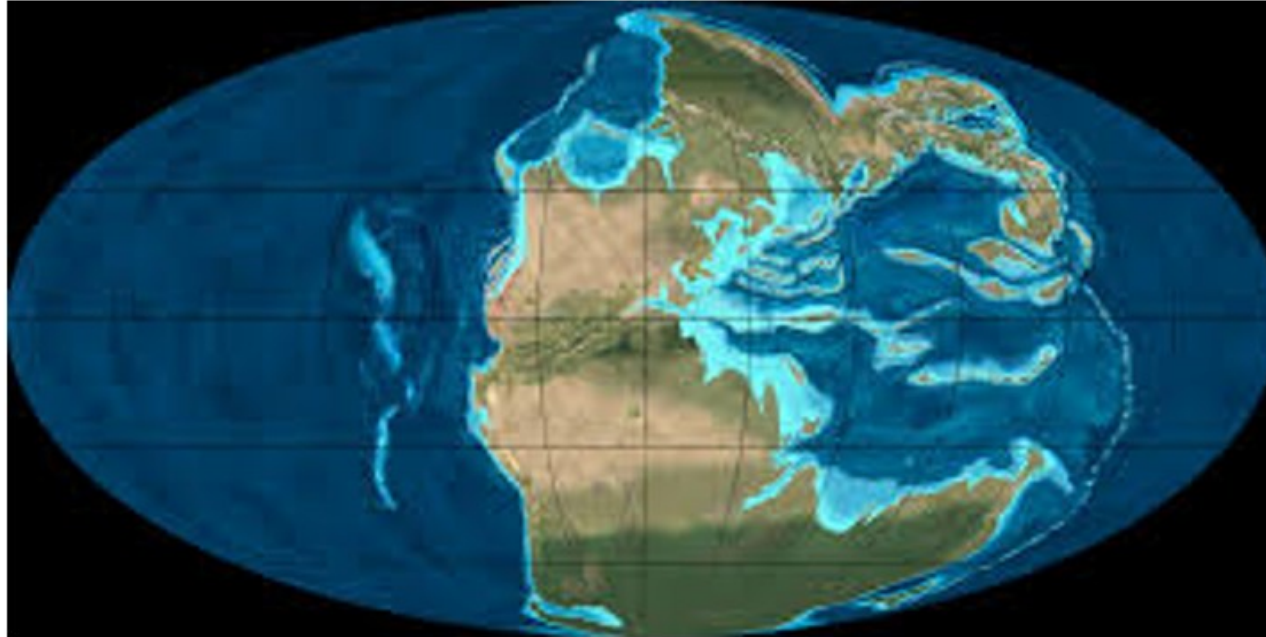
Recherche et production sur les microlépidoptères



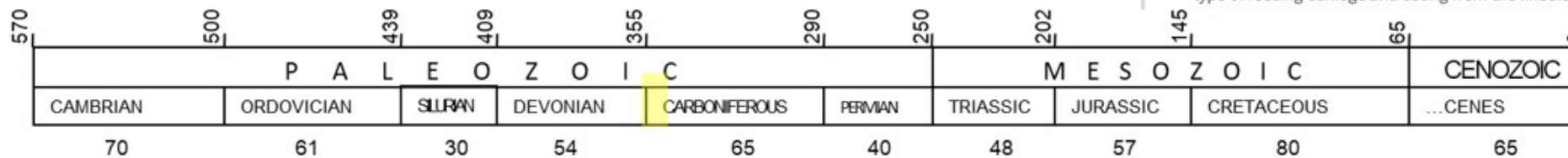


L'importance des microlépidoptères pour nos paysages





The Triassic Period (252 - 201 million years ago). ©



New Phytologist

Full paper

Endophytic ancestors of modern leaf miners may have evolved in the Late Carboniferous

Richard J. Knecht, Anshuman Swain, Jacob S. Benner, Steve L. Emma, Naomi E. Pierce, Conrad C. Labandeira

First published: 05 October 2023 | <https://doi.org/10.1111/nph.19266>

Read the full text >

PDF TOOLS SHARE

Summary

- Endophytic feeding behaviors, including stem borings and galling, have been observed in the fossil record from as early as the Devonian and involve the consumption of a variety of plant (and fungal) tissues. Historically, the exploitation of internal stem tissue through galling has been well documented as emerging during the Pennsylvanian (c. 323–299 million years ago (Ma)), replaced during the Permian by galling of foliar tissues. However, leaf mining, a foliar endophytic behavior that today is exhibited exclusively by members of the four hyperdiverse holometabolous insect orders, has been more sparsely documented, with confirmed examples dating back only to the Early Triassic (c. 252–250 Ma).
- Here, we describe a trace fossil on seed-fern foliage from the Rhode Island Formation of Massachusetts, USA, representing the earliest indication of a general, endophytic type of feeding damage and dating from the Middle Pennsylvanian (c. 312 Ma).

Taxonomic delineation of the Old World moth species *Stomphastis thraustica* (Lepidoptera: Gracillariidae) feeding on *Jatropha gossypifolia* (Euphorbiaceae) that was imported as a biocontrol agent to Australia

Jatropha gossypifolia L., commonly known as bellyache bush

It is naturalised in northern Australia, where it is listed as a Class 2 declared pest plant



https://nl.wikipedia.org/wiki/Jatropha_gossypifolia

Et voilà...

This monograph is dedicated to the Memory of Tosio Kumata

Diversity of Australian Ornixolinae (Lepidoptera: Gracillariidae) and related taxa based on the evidence of museomics, bionomics, and mitogenomics

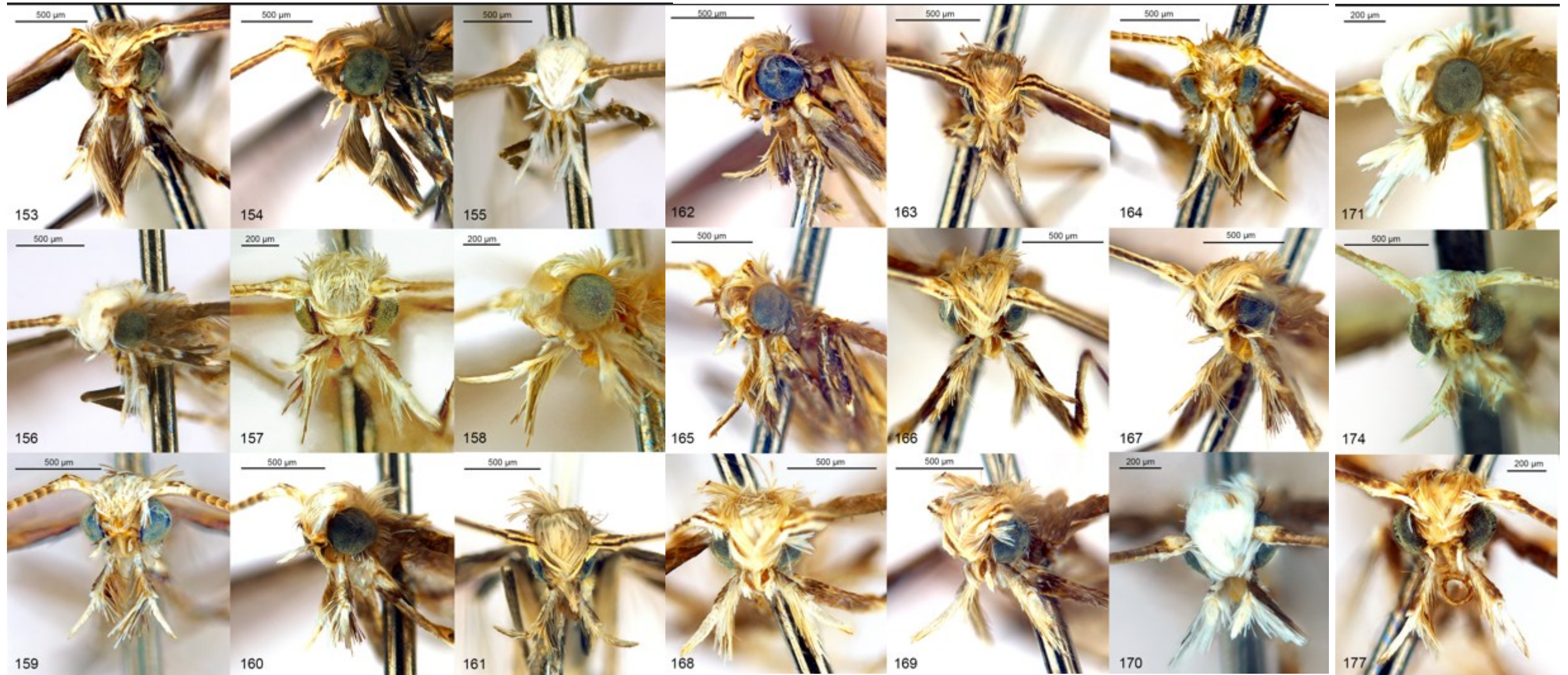
JURATE DE PRINS, DIANA HARTLEY, VIRGINIJUS SRUOGA, JAMES NICHOLLS, JESSE WALLACE & ANDREAS ZWICK

Nouveautés:

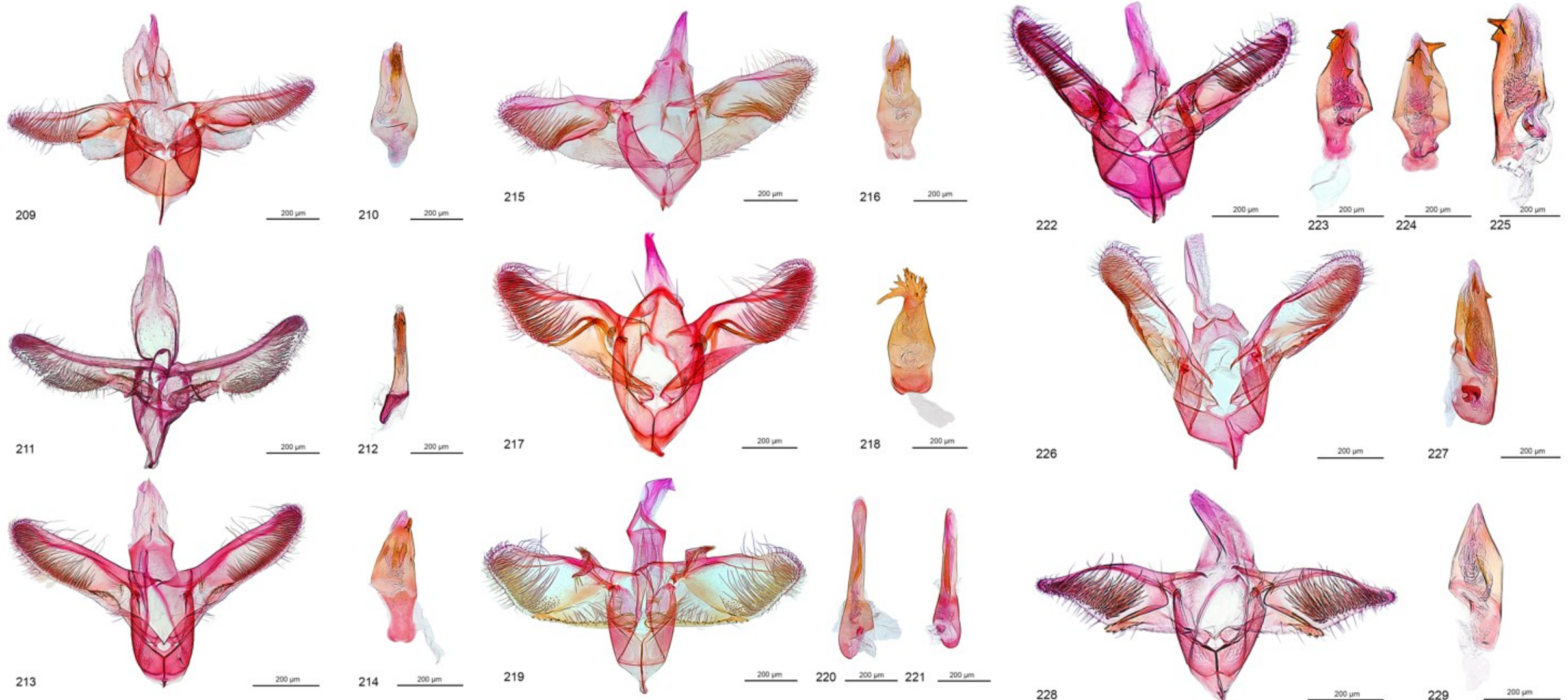
- ☐ 9 nouveaux genres;
- ☐ 38 nouvelles espèces;
- ☐ 2 nouveaux actes de synonymisation;
- ☐ 17 nouvelles combinaisons;
- ☐ 15 désignations des lectotypes;
- ☐ 3 nouveaux records de distribution pour l'Australie
- ☐ 4 nouvelles familles de plantes hôtes

Analyse holistique basée sur **156**
ensembles de données
mitogénomiques complètes obtenues à
partir de spécimens de collection de
Gracillariidae, même vieux de **plus de
100 ans.**

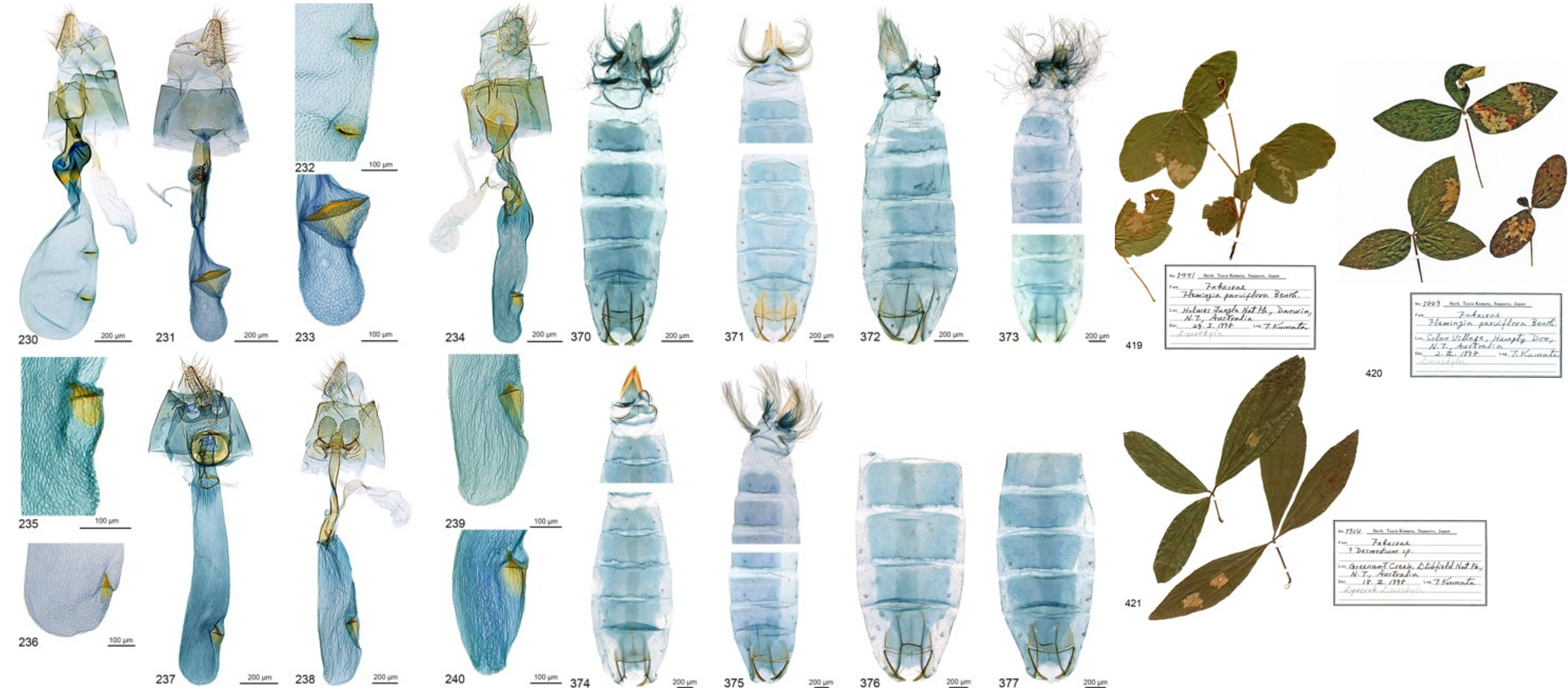
Ornixolinae d'Australie - étude basée sur la collection de Gracillariidae



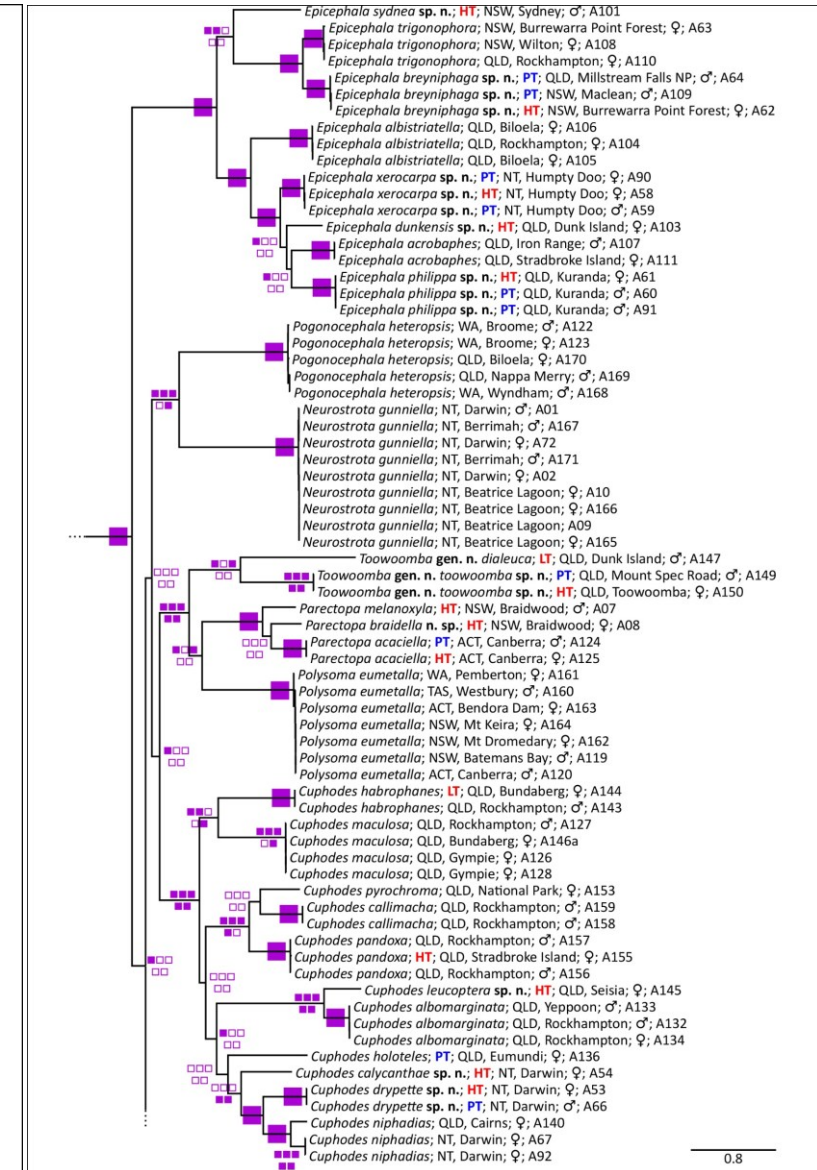
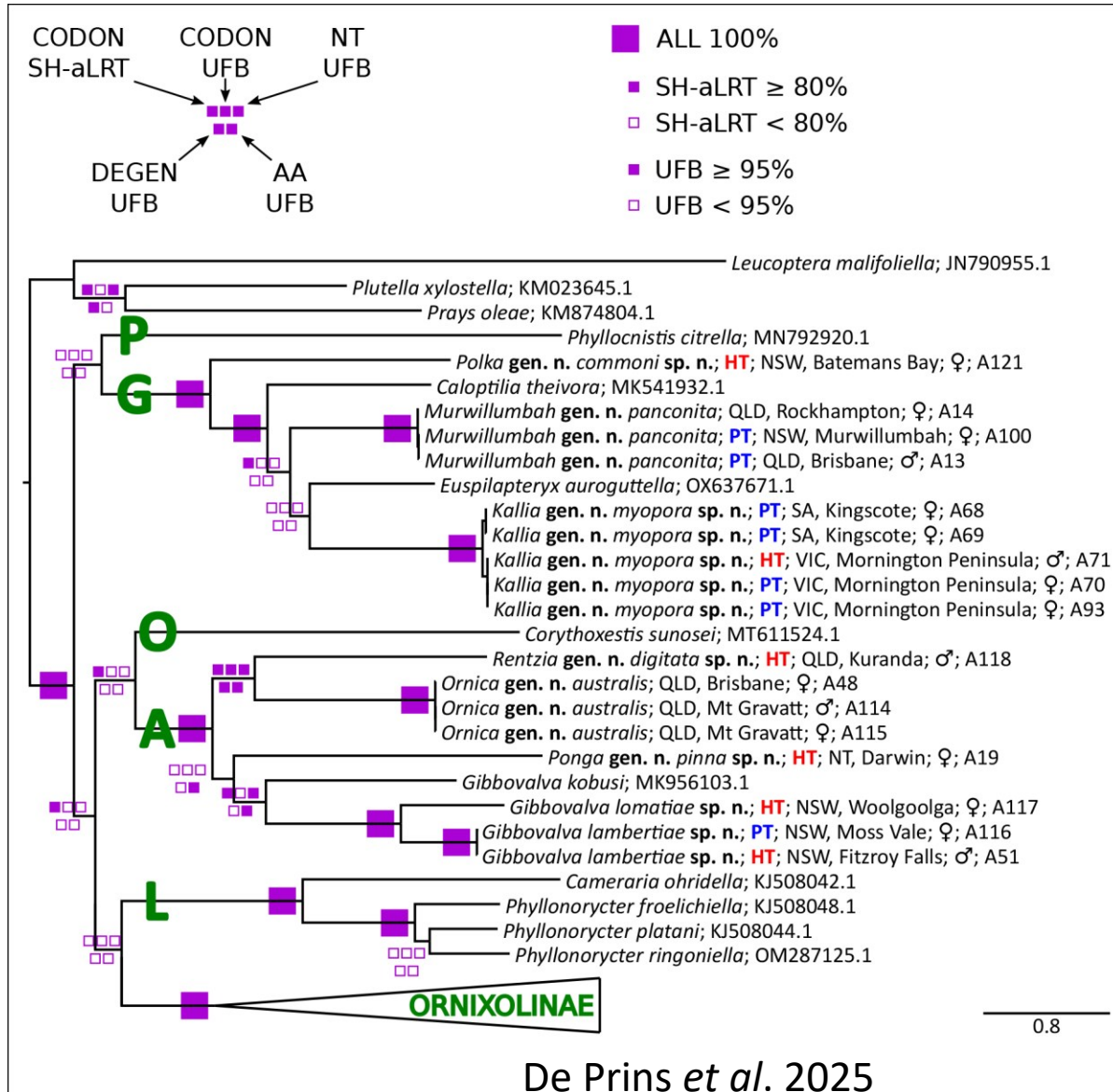
Ornixolinae d'Australie - étude basée sur la collection de Gracillariidae



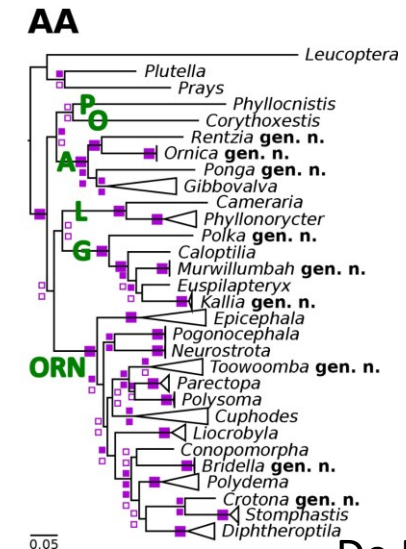
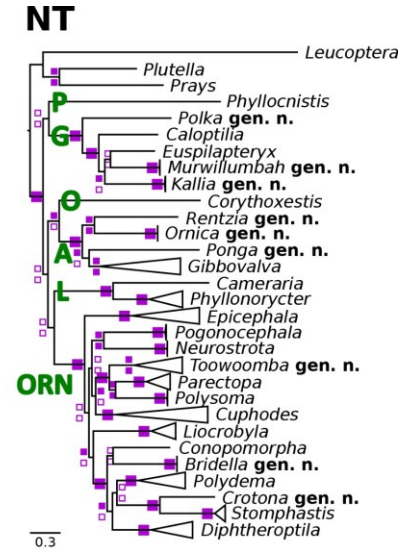
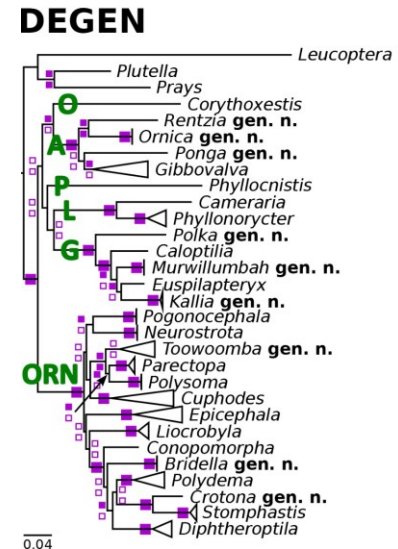
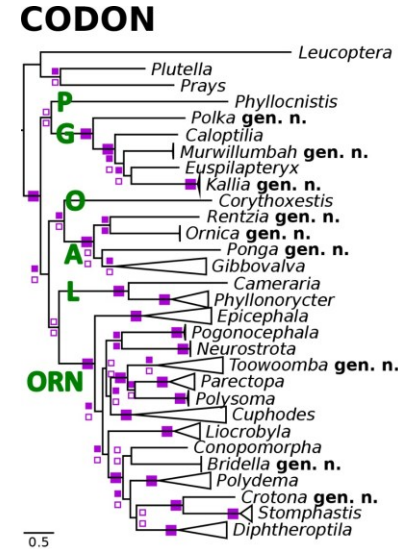
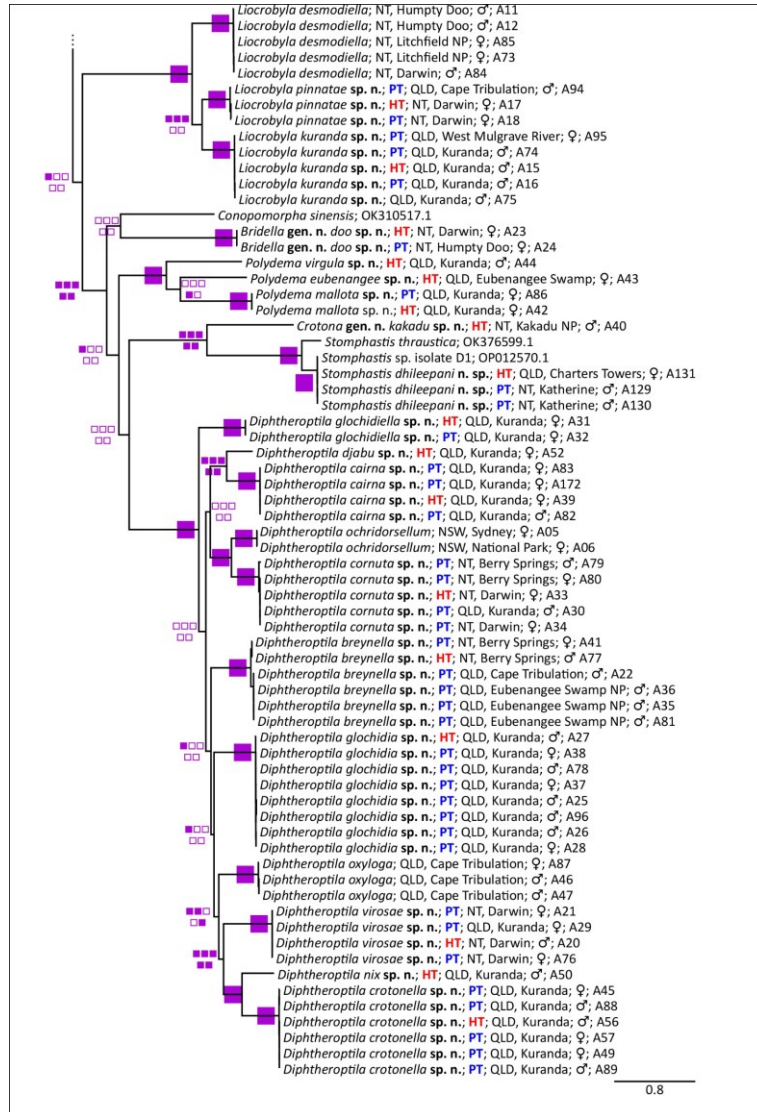
Ornixolinae d'Australie - étude basée sur la collection de Gracillariidae



Ornixolinae d'Australie - mitogénomes basés sur la collection de Gracillariidae



Ornixolinae d'Australie - mitogénomes basés sur la collection de Gracillariidae



Merci

