

# World catalogue of the family *Jacobsoniidae* (Coleoptera: Staphylinoidea)

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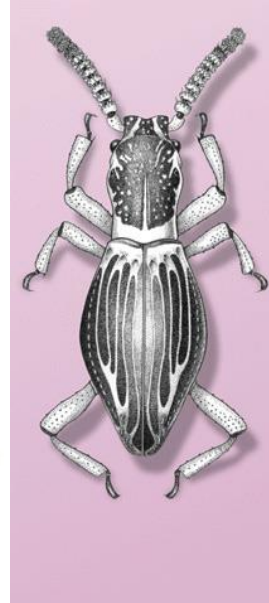
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The small family Jacobsoniidae (Coleoptera) has had an uncertain classification for some time. Crowson (1955, 1959) placed this family in the superfamily Derodontoidea (together with Derodontidae and Nosodendridae). Sen Gupta (1979) included a new subfamily, Derolanthrinae, in the family Merophysidae (recently subfamily in Endomychidae). Lawrence and Newton (1995) placed this family as “incertae sedis” in the series Bostrichiformia but Bouchard et al. (2011) included this family with the series Derodontiformia. According to new phylogenetic analysis the family belong to Staphyliniformia.

Representatives of this species occur very sporadically in the Australian, Oriental and Neotropical regions. The Jacobsoniidae family includes 3 genera and 30 species worldwide. A list of the world species in this family was recently provided by Háva and Löbl (2005); species from the Palaeartic region were covered by Löbl (2007), genera were covered by Háva in Zahradník & Háva (2014). All of this species in this family are extremely rare and little is known about their biology. The catalogue presents all known species and their distribution, described to September 2024. This catalogue follows the catalogue published with additions of faunistic data and new taxa.

The type material is deposited in the following institutional collections:

AMNH American Museum of Natural History, New York, USA  
ANIC Australian National Insects coll., SCIRO Entomology, Camberra, Australia  
BMNH British Museum Natural History [= The Natural History Museum], London, United Kingdom  
BPBM Bernice P. Bishop Museum, Honolulu, Hawaii, U.S.A.  
CMNC Canadian Museum of Nature, Canada  
DSIR Department of Scietifis and Industrial Research, Auckland, New Zealand  
GPIH Geologisch-Paläontologisches Institut und Museum der Universität Hamburg, Germany  
HFWC private collection H. Franz, Wien Austria  
MCSN Museo Civico di Storia Naturale „G. Doria“, Genova, Italy  
MHNG Museum d’histoire naturelle, Genève, Switzerland  
MNHN Muséum National d’Histoire Naturelle, Paris, France  
NIGP Nanjing Institute of Geology and Palaeontology, Nanjing, China  
SMTD Staatliche Museum für Tierkunde, Dresden, Germany  
SNUC Shanghai Normal University, Shanghai, China  
ZSIC Zoological Survey of India, Calcutta, India



## CATALOGUE

### Series Staphyliniformia Lameere, 1900

### Superfamily Staphylinoidea Latreille, 1802

### Family Jacobsoniidae Heller, 1926

Jacobsoniidae Heller, 1926: 127.  
Sarothriidae Crowson, 1955: 75.  
Derolathriinae Sen Gupta, 1979: 692.

### genus *Sarothrias* Grouvelle, 1918

*Sarothrias* Grouvelle, 1918: 7 - type species: *Sarothrias eximius* Grouvelle, 1918: 8.  
*Jacobsonium* Heller, 1926: 126 - type species: *Jacobsonium dimerum* Heller, 1926: 128.  
*Jacobsonium*: Crowson, 1955: 75 (synonymy).

#### 1. *Sarothrias amabilis* Slipinski et Löbl, 1995

*Sarothrias amabilis* Slipinski et Löbl, 1995: 49.  
Type locality: Malaysia, Pahang, Tioman Is., Kg. Tekek Umg.  
Type depository: MHNG.  
Sex of type: male.  
Distribution: Malaysia: Pahang Is.

#### 2. *Sarothrias audax* Slipinski et Löbl, 1995

*Sarothrias audax* Slipinski et Löbl, 1995: 52.  
Type locality: Tanimbar Is., Yamdera Sangliat Krawain.  
Type depository: MHNG.  
Distribution: Indonesia: Tanimbar Is.

#### 3. *Sarothrias bournei* Slipinski, 1986

*Sarothrias bournei* Slipinski, 1986: 59.  
*Sarothrias bournei*: Löbl & Burckhardt, 1988:10. (redescription)  
Type locality: Neu-Britannien, Pomio.  
Type depository: MHNG.  
Distribution: Papua New Guinea: New Britain Is.

#### 4. †*Sarothrias cretaceus* Cai, Slipinski, Leschen, Yin, Zhuo & Huang, 2017

*Sarothrias cretaceus* Cai, Slipinski, Leschen, Yin, Zhuo & Huang, 2017: 2.

Type locality: Hukawng Valley, Kachin State of northern Myanmar.  
Type depository: NIGP.  
Distribution: Manmar (fossil: Burmese amber)

**5. *Sarothrias crowsoni* Löbl et Burckhardt, 1988**

*Sarothrias crowsoni* Löbl et Burckhardt, 1988: 7.  
*Sarothrias crowsoni*: Háva & Allen, 2021: 211 (distribution).  
Type locality: Malaysia, Sabah, Poring Hot Springs.  
Type depository: MHNG.  
Sex of type: male.  
Distribution: Malaysia: Sabah; Philippines: Mindanao.

**6. *Sarothrias dimerus* (Heller, 1926)**

*Jacobsonium dimerum* Heller, 1926: 128.  
*Sarothrias dimerus*: Crowson, 1955:75 (new combination).  
*Sarothrias dimerus*: Löbl et Burckhardt, 1988: 11 (new combination).  
*Sarothrias dimerus*: Burckhardt et Löbl, 1990: 238 (redescription).  
Type locality: Indonesia, Sumatra, Monte Singgalang.  
Type depository: SMTD.  
Distribution: Indonesia: Sumatra Is.

**7. *Sarothrias eximius* Grouvelle, 1918**

*Sarothrias eximius* Grouvelle, 1918: 8.  
*Sarothrias eximius*: Löbl et Burckhardt, 1988: 8 (redescription).  
Type locality: Seychellen, Silhouette, Wald Mont Pot-a-eau.  
Type depository: MNHN.  
Distribution: Seychelles Is.

**8. *Sarothrias fijianus* Löbl et Burckhardt, 1988**

*Sarothrias fijianus* Löbl et Burckhardt, 1988: 9.  
Type locality: Fiji, Viti Levu, Nandarivatu.  
Type depository: DSIR.  
Sex of type: male.  
Distribution: Fiji Is.

**9. *Sarothrias hygrophilus* T. K. Pal, 1998**

*Sarothrias hygrophilus* T. K. Pal 1998: 3.  
Type locality: India, Arunachal Pradesh, Lohit District, Zerogaon, 12 km O-Hayuliang.  
Type depository: ZSIC.  
Distribution: India: Arunachal Pradesh.

**10. *Sarothrias indicus* Dajoz, 1978**

*Sarothrias indicus* Dajoz, 1978: 322.  
*Sarothrias indicus*: Löbl et Burckhardt, 1988: 10 (redescription).  
Type locality: India, Madras, Cardamon Hills, 2 km N of Kumily.  
Type depository: MHNG.  
Distribution: India: Madras.

**11. *Sarothrias lawrencei* Löbl et Burckhardt, 1988**

*Sarothrias lawrencei* Löbl et Burckhardt, 1988: 11.  
Type locality: Australia, Queensland, Bellenden Ker Range, 1 km S of Cable Tower 6.  
Type depository: ANIC.  
Sex of type: male.  
Distribution: Australia: Queensland.

**12. *Sarothrias morokanus* Poggi, 1991**

*Sarothrias morokanus* Poggi, 1991: 677.  
Type locality: New Guinea SE, Moroka.  
Type depository: MCSN.  
Sex of type: female.

Distribution: Papua New Guinea.

**13. *Sarothrias pacificus* Slipinski et Löbl, 1995**

*Sarothrias pacificus* Slipinski et Löbl, 1995: 50.

Type locality: New Caledonia, Mt. Koghi.

Type depository: BPBM.

Sex of type: female.

Distribution: New Caledonia.

**14. *Sarothrias papuanus* Slipinski, 1986**

*Sarothrias papuanus* Slipinski, 1986: 61.

*Sarothrias papuanus*: Löbl et Burckhardt, 1988: 16 (redescription).

Type locality: Papua New Guinea, EH province, Onerunka, Kainantu.

Type depository: MHNG.

Sex of type: female.

Distribution: Papua New Guinea.

**15. *Sarothrias sinicus* Bi & Chen, 2015**

*Sarothrias sinicus* Bi & Chen, 2015:54

Type locality: China, Wizang, Motuo, 1850 m.

Type depository: SNUC

Sex of type: male.

Distribution: China: Xizang, Yunnan.

**16. *Sarothrias songi* Yin & Bi, 2018**

*Sarothrias songi* Yin & Bi, 2018:13

Type locality: China, Hainan, Ledong Co., Jianfengling N.R., Minfeng Valley

Type depository: SNUC

Sex of type: male.

Distribution: China: Hainan.

**genus *Saphophagus* Sharp, 1886**

*Saphophagus* Sharp, 1886: 393 - type species: *Saphophagus minutus* Sharp, 1886: 3.

**1. *Saphophagus minutus* Sharp, 1886**

*Saphophagus minutus* Sharp, 1886: 394.

*Saphophagus minutus*: Löbl et Burckhardt, 1988: 16 (redescription).

Type locality: Neuseeland: Picton Helms.

Type depository: BMNH.

*Saphophagus ferrugineus* Broun, 1893: 1102.

Type locality: Neuseeland, Mount Cook.

Type depository: BMNH.

Distribution: New Zealand.

**genus *Derolathrus* Sharp in Sharp & Scott, 1908**

*Derolathrus* Sharp in Sharp & Scott, 1908: 430 - type species: *Derolathrus atomus* Sharp in Sharp & Scott, 1908: 431.

*Lathridiomorphus* Franz, 1969: 136 - type species: *Lathridiomorphus anophthalmus* Franz, 1969: 137.

*Gomya* Dajoz, 1973: 1051 - type species: *Gomya insularis* Dajoz, 1973: 1052.

*Lathridiomimus* (sic!): Dajoz, 1977: 1.

*Derolathrus*: Löbl et Burckhardt, 1988: 20 (new synonymy).

**1. †*Derolathrus abyssus* Yamamoto & Parker, 2017**

*Derolathrus abyssus* Yamamoto & Parker, 2017: 276.

*Derolathrus abyssus*: Háva & Allen, 2021b: 298 (distribution).

Type locality: Hukawng Valley, Kachin State of northern Myanmar.

Type depository: AMNH.

Distribution: Manmar (fossil: Burmese amber)

**2. *Derolathrus anophthalmus* (Franz, 1969)**

*Lathridiomorphus anophthalmus* Franz, 1969: 137.

*Derolathrus anophthalmus*: Löbl et Burckhardt, 1988: 21 (new combination).

Type locality: Gran Canaria, El Brezal, Moya.

Type depository: HFWC.

Distribution: Canary Is.: Gran Canaria.

**3. *Derolathrus atomus* Sharp in Sharp et Scott, 1908**

*Derolathrus atomus* Sharp in Sharp et Scott, 1908: 431.

*Derolathrus atomus*: Peck, 2010: 5 (distribution).

Type locality: Sandwich Is., Oahu.

Type depository: BMNH.

Distribution: Hawaii Is.: Oahu, Kauai, Molokai, Sandwich; Virgin Is.; Buck Is.; St. Croix Is.

**4. *Derolathrus cavernicolus* Peck, 2010**

*Derolathrus cavernicolus* Peck, 2010: 2.

*Derolathrus cavernicolus*: Yoshitomi & Hisasue, 2020: 206 (distribution).

Type locality: USA, Florida, Citrus County, Withlacoochee State forest.

Type depository: CMNC.

Distribution: USA: Alabama, Florida; Hawai Is.: Makapala; Barbados; Japan; Tanzania (copal)

**5. †*Derolathrus capdoliensis* Tihelka, Peris, Cai & Perrichot, 2022**

*Derolathrus capdoliensis* Tihelka, Peris, Cai & Perrichot, 2022:50

Type locality: France, Charente-Maritime.

Type depository: GGRF

Distribution: France (fossil Cretaceous Charentese amber)

**6. *Derolathrus ceylonicus* (Sen Gupta, 1979)**

*Gomya ceylonica* Sen Gupta, 1979: 696.

*Derolathrus ceylonicus*: Löbl et Burckhardt, 1988: 21 (new combination).

Type locality: Sri Lanka, North Western, Rajakudaluwa.

Type depository: MHNG.

Distribution: Sri Lanka.

**7. *Derolathrus foveiceps* Théry, 2023**

*Derolathrus foveiceps* Théry, 2023:1

Type locality: FLA: Dade Co., Everglades N, Royal Palm, Hammock.

Type depository: CMNC.

Distribution: USA: Florida

**8. †*Derolathrus groehni* Cai, Leschen, Liu & Huang, 2016**

*Derolathrus groehni* Cai, Leschen, Liu & Huang, 2016:2

Type locality: Baltic amber.

Type depository: GPIH.

Distribution: (fossil: Baltic amber)

**9. *Derolathrus insularis* (Dajoz, 1973)**

*Gomya insularis* Dajoz, 1973: 1052.

*Derolathrus insularis*: Löbl et Burckhardt, 1988: 21 (new combination).

Type locality: Mauritius, Triolet.

Type depository: MNHN.

Distribution: Mauritius Is.

**10. *Derolathrus parvulus* (Rücker, 1983)**

*Gomya parvula* Rücker, 1983: 685.

*Derolathrus parvulus*: Löbl et Burckhardt, 1988: 22 (new combination).

Type locality: Madeira, Funchal-Ajuda.

Type depository: MHNG.

Distribution: Portugal: Madeira Is.

**11. *Derolathrus sharpi* Grouvelle in Grouvelle & Raffray, 1912**

*Derolathrus sharpi* Grouvelle in Grouvelle & Raffray, 1912: 310.

*Derolathrus sharpi*: Peck, 2010: 5 (distribution).

Type locality: Guadeloupe.

Type depository: MNHN, BMNH.

Distribution: Guadeloupe Is.; Montserrat; USA: Virgin Is.: St. John Is.

**12. *Derolathrus subtilis* Théry, 2023**

*Derolathrus subtilis* Théry, 2023: 109.

Type locality: New Caledonia, Forêt Nord.

Type depository: MNHN

Distribution: New Caledonia

**13. *Derolathrus troglophilus* (Sen Gupta, 1979)**

*Gomya troglophila* Sen Gupta, 1979: 694.

*Derolathrus troglophilus*: Löbl et Burckhardt, 1988: 22 (new combination).

Type locality: Fiji, Viti Levu, Wailotua Cave.

Type depository: MHNG.

Distribution: Fiji Is.; New Caledonia; Vanuatu

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