

## **A World catalogue of the family Derodontidae (Coleoptera)**

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**ABSTRACT.** A world catalogue of the family Derodontidae (Coleoptera) containing all the taxa described until 2004 is presented.

**KEY WORDS:** Coleoptera, Derodontidae, world catalogue, bibliography.

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### INTRODUCTION

The classification of the family Derodontidae is after LAWRENCE & NEWTON (1995), LAWRENCE & HLAVAC (1979), modified by authors NIKITSKIY (1987, 1993), NIKITSKY & LAFER (1992), HISAMATSU & SAKAI (1985), LAWRENCE (1985), HÁVA & JELÍNEK (1999, 2000), JELÍNEK & HÁVA (2001). The family Derodontidae includes 4 genera and 29 species. The genera *Derodontus*, *Laricobius* and *Peltastica* are holarctic in distribution, whereas *Nothoderodontus* occurs in Chile, Australia and New Zealand. Species of *Peltastica* have been collected under fermenting bark and at sap flows, whereas *Derodontus* is known to feed on fresh or rotting fruiting bodies of various Basidiomycetes. Members of the genus *Laricobius* are predators of woolly aphids (Homoptera: Adelgidae) occurring on tree trunks. At least one species *Nothoderodontus gourlayi* CROWSON has been collected in association with sooty molds (Ascomycetes: Capnodiaceae). Larvae are known from all the genera.

In addition to taxonomically oriented literature, the bibliography includes also papers dealing with biology, distribution, larvae and laboratory studies and other theoretical and applied aspects.

The catalogue presents all known species and distribution without fossil species.

### **List of collections**

Acronyms of collections follow when possible ARNET et al. (1993).

ANIC Australian National Insect Collection, Canberra, Australia  
 BMNH British Museum (Natural History), London, United Kingdom  
 EUMJ Entomological Laboratory, Ehime University, Matsuyama, Japan  
 HNHM Hungarian Natural History Museum, Budapest, Hungary  
 JHAC Private Entomological Laboratory and Collection, Jiří Háva, Praha, Czech Republic  
 KMFC K. M. Fender collection, McMinnville, Oregon, Canada  
 MCZC Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts  
 MFNB Museum für Naturkunde (Humboldt), Berlin, Germany  
 MHNG Muséum d'Histoire Naturelle, Geneve, Switzerland  
 MNHN Muséum d'Histoire Naturelle, Paris, France  
 NMPC National Muzeum Praha, Czech Republic  
 NSMT National Science Museum Natural History, Tokyo, Japan  
 NZAC New Zealand Arthropod collection, Auckland, New Zealand  
 SANT Museo Nacional de Historia Natural, Santiago, Chile  
 SMNS Staatliches Museum für Naturkunde Stuttgart, Germany  
 ZMUM Zoological Museum, University of Moscow, Russia.

#### CATALOGUE OF ALL KNOWN SPECIES

##### Family: Derodontidae

Syn.: Laricobiidae GANGLBAUER, 1899

Peltasticidae LECONTE, 1861

##### Subfamily: Derodontinae LECONTE, 1861

##### Genus: *Derodontus* LECONTE, 1861

Type species: *Cryptophagus maculatus* MELSHEIMER, 1844

Syn.: *Mycetonychus* FRIVALDSZKY, 1865:192 – Type species: *Corticaria macularis*  
FUSS, 1850

##### List of species

1. *Derodontus esotericus* LAWRENCE in LAWRENCE & HLAVAC, 1979

– *Derodontus esotericus* LAWRENCE in LAWRENCE & HLAVAC, 1979: 403.

Type locality: Louisiana, Audubon State park, West Feliciana Par.

Type depository: MCZC.

Sex of type: male.

Distribution: Canada, USA.

2. *Derodontus japonicus* HISAMATSU, 1964
  - *Derodontus japonicus* HISAMATSU, 1964: 52.
    - Type locality: Japan, Ehime Pref., Mt. Sara.
    - Type depository: EUMJ.
    - Sex of type: male.
    - Distribution: Japan: Shikoku Isl.
3. *Derodontus longiclavis* NIKITSKIY, 1987
  - *Derodontus longiclavis* NIKITSKIY, 1987: 34.
    - Type locality: Ju. Primorie, Usurrijskij rajon.
    - Type depository: ZMUM.
    - Sex of type: male.
    - Distribution: Kuril Isl., Siberia: Primorskiy kray.
4. *Derodontus macularis* (FUSS, 1850)
  - *Corticaria macularis* FUSS, 1850:127.
  - *Mycetonychus macularis*: FRIVALDSZKY, 1865: 193.
    - Type locality: Rumania, Kerceschora.
    - Distribution: Europe.
5. *Derodontus maculatus* (MELSHEIMER, 1844)
  - *Cryptophagus maculatus* MELSHEIMER, 1844: 115.
  - *Derodontus maculatus*: LECONTE, 1861:100.
    - Type locality: Pennsylvania.
    - Type depository: MCZC?
    - Distribution: Canada, USA.
6. *Derodontus osseticus* NIKITSKIY, 1993
  - *Derodontus osseticus* NIKITSKIY, 1993: 152.
    - Type locality: Kavkaz, Severnaja Osetia, 2 km juzhnee gory Alagir, verchovja r. Salugar-dany-don.
    - Type depository: ZMUM.
    - Sex of type: female.
    - Distribution: Caucasus: N Osetia.
7. *Derodontus raffrayi* GROUVELLE, 1916
  - *Derodontus raffrayi* GROUVELLE, 1916: 296.
    - Type locality: Italy, Abruzzi, Mt. Marsciano.
    - Type depository: MNHN.
    - Sex of type: female.
    - Distribution: Europe: Italy.

8. *Derodontus trisignatus* (MANNERHEIM, 1852)  
– *Corticaria trisignata* MANNERHEIM, 1852:361.  
– *Derodontus trisignatus*: LECONTE, 1861: 101.  
Type locality: Alaska, Sitka Is.  
Types depository: MCZC.  
Distribution: Canada: Sitka Isl., Vancouver, British Columbia, USA: Alaska, Washington, Oregon, California.
9. *Derodontus tuberosus* HISAMATSU et SAKAI, 1986  
– *Derodontus tuberosus* HISAMATSU et SAKAI, 1985: 133 (nomen nudum).  
– *Derodontus tuberosus* HISAMATSU et SAKAI, 1986: 189.  
Type depository: NSMT.  
Distribution: Japan.
10. *Derodontus unidentatus* LAWRENCE in LAWRENCE & HLAVAC, 1979  
– *Derodontus unidentatus* LAWRENCE in LAWRENCE & HLAVAC, 1979: 406.  
Type locality: California, Plumas Co., Bucks Lake.  
Type depository: MCZC.  
Sex of type: male.  
Distribution: USA: California, Oregon.

**Subfamily: Laricobinae MULSANT et REY, 1863**

**Genus: *Laricobius* ROSENHAUER, 1846**

Type species: *Laricobius erichsoni* ROSENHAUER, 1846

**List of species**

1. *Laricobius caucasicus* ROST, 1893  
– *Laricobius caucasicus* ROST, 1893: 341.  
Type locality: Western Caucasus.  
Type depository: MFNB?  
Distribution: western Caucasus.
2. *Laricobius erichsonii* ROSENHAUER, 1846  
– *Laricobius Erichsoni* ROSENHAUER, 1846: 7.  
Type locality: Austria, Tyrol.  
Type depository: MNHN?  
– *Laricobius lituratus* GORHAM, 1878: 156.  
Type locality: Italy.

- *Laricobius erichsoni* var. *niger* PIC, 1895: 88.  
Type locality: France.  
Type depository: MNHN.  
Distribution: Europe, Canada: Nova Scotia, New Brunswick, USA: Alaska, Washington, Oregon.
3. *Laricobius kovalevi* NIKITSKIY in NIKITSKIY & LAFER, 1992  
– *Laricobius kovalevi* NIKITSKIY in NIKITSKIY & LAFER, 1992: 44.  
Type locality: Magadan.  
Type depository: ZMUM.  
Sex of type: male.  
Distribution: Siberia: Magadan.
4. *Laricobius laticollis* FALL, 1916  
– *Laricobius laticollis* FALL, 1916: 14.  
Type locality: Washington, Seattle.  
Type depository: MCZC.  
Distribution: Canada: British Columbia, USA: Idaho, California, Oregon.
5. *Laricobius loebli* JELÍNEK & HÁVA, 2001  
– *Laricobius loebli* JELÍNEK & HÁVA, 2001: 150  
Type locality: Nepal, Kathmandu distr., Phulcoki.  
Type depository: MHNG.  
Sex of type: female.  
Distribution: Nepal.
6. *Laricobius minutus* NIKITSKIY in NIKITSKIY & LAFER, 1992  
– *Laricobius minutus* NIKITSKIY in NIKITSKIY & LAFER, 1992: 43.  
Type locality: Primorskij kraj.  
Type depository: ZMUM.  
Sex of type: male.  
Distribution: Russia: Primorskij kray.
7. *Laricobius mirabilis* HÁVA & JELÍNEK, 1999  
– *Laricobius mirabilis* HÁVA & JELÍNEK, 1999: 115.  
Type locality: China, Shangxi pr., Qing Ling Shan Mts.  
Type depository: NMPC.  
Sex of type: female.  
Distribution: China: Shaanxi, Sichuan.

8. *Laricobius nigrinus* FENDER, 1945  
– *Laricobius nigrinus* FENDER, 1945: 152.  
Type locality: oregon, Wapinitia cut-off, Bear Springs.  
Type depository: KMFC.  
Distribution: USA: Oregon, District of Columbia, Washington, Idaho.
9. *Laricobius rubidus* LECONTE, 1861  
– *Laricobius rubidus* LECONTE, 1861: 198.  
Type locality: near Washington D. C.  
Type depository: MCZC.  
Distribution: Canada, USA.
10. *Laricobius sahlbergi* REITTER, 1883  
– *Laricobius sahlbergi* REITTER, 1883: 42.  
Type locality: Siberia, Fatjanowsk.  
Type depository: HNHM .  
Sex of type: female.  
Distribution: Siberia.
11. *Laricobius schawalleri* HÁVA & JELÍNEK, 2000  
– *Laricobius schawalleri* HÁVA & JELÍNEK, 2000: 184.  
Type locality: Nepal, Dailekh Distr., Dailekh to Mabuchin Pass.  
Type depository: SMNS.  
Sex of type: female.  
Distribution: Nepal.

**Genus: *Nothoderodontus* CROWSON, 1959**

Type species: *Nothoderodontus gourlayi* CROWSON, 1959

**List of species**

1. *Nothoderodontus chilensis* LAWRENCE in LAWRENCE & HLAVAC, 1979  
– *Nothoderodontus chilensis* LAWRENCE in LAWRENCE & HLAVAC, 1979: 410.  
Type locality: Chile, Chiloe Is., N Quellon.  
Type depository: MCZC.  
Sex of type: male.  
Distribution: Chile: Chiloe Is..
2. *Nothoderodontus darlingtoni* LAWRENCE, 1985  
– *Nothoderodontus darlingtoni* LAWRENCE, 1985: 77.

Type locality: Australia, Victoria, Cement Creek, 5 km N of Warburton.  
Type depository: ANIC.  
Sex of type: female.  
Distribution: Australia: Victoria, Tasmania.

3. *Nothoderodontus dentatus* LAWRENCE in LAWRENCE & HLAVAC, 1979  
– *Nothoderodontus dentatus* LAWRENCE in LAWRENCE & HLAVAC, 1979: 411.  
Type locality: Chile, Chiloe Is., Piruquina.  
Type depository: MCZC.  
Sex of type: female.  
Distribution: Chile: Chiloe Is.
4. *Nothoderodontus gourlayi* CROWSON, 1959  
– *Nothoderodontus gourlayi* CROWSON, 1959: 83.  
Type locality: New Zealand, South Is., Canterbury, Arthur's Pass.  
Type depository: NZAC.  
Distribution: New Zealand.
5. *Nothoderodontus newtonorum* LAWRENCE, 1985  
– *Nothoderodontus newtonorum* LAWRENCE, 1985: 80.  
Type locality: Chile, Llanquihue Prov., Lago Chapo.  
Type depository: SANT.  
Sex of type: male.  
Distribution: Chile.
6. *Nothoderodontus watti* LAWRENCE, 1985  
– *Nothoderodontus watti* LAWRENCE, 1985: 81.  
Type locality: New Zealand, Mount Arthur.  
Type depository: NZAC.  
Sex of type: female.  
Distribution: New Zealand.

**Subfamily: Peltasticinae LECONTE, 1861**

**Genus: *Peltastica* MANNERHEIM, 1852**

Type species: *Peltastica tuberculata* MANNERHEIM, 1852

**List of species**

1. *Peltastica amurensis* REITTER, 1879  
– *Peltastica amurensis* REITTER, 1879: 220.  
Type locality: Amur.

Type depository: HNHM.

– *Peltastica reitteri* LEWIS, 1883: 79.

Type locality: Japan (types from Sayama, Nikko and Fukui).

Type depository: BMNH.

Distribution: Japan, Kuril Isl., Siberia: Chabarovsk, Primorskiy kray

2. *Peltastica tuberculata* MANNERHEIM, 1852

– *Peltastica tuberculata* MANNERHEIM, 1852: 334.

Type locality: Alaska, Sitka Is.

Type depository: MCZC.

Distribution: Canada, USA.

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