

## ORIGINAL ARTICLE

# Checklist of the genus *Cryphalus* Erichson, 1836 (Coleoptera: Curculionidae: Scolytinae) with special attention to Chinese species

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**Abstract** Checklist of all known species of the bark beetle genus *Cryphalus* Erichson, 1836 is assembled, based on literatures published prior to May 2020. A total of 253 species including 36 species distributed in China is arranged. Distributions of each species and complete account are provided.

**Key words** Coleoptera, Cryphalini, catalogue, diversity.

## 1 Introduction

The species of Scolytinae have a worldwide distribution, and are found mainly in the Neotropic Region. They usually dominate the communities of wood border insects, and of considerable economic importance in both temperate and tropical regions. Although the majority of species attack only recently dead or dying trees, a few species attack apparently healthy trees and can cause die-back or even death. The tribe Cryphalini also have a worldwide distribution, and usually attack small branches. They always breed below the bark or in the wood or pith, some breed in fruits and seeds. Certain species are of potential economic importance.

According to available records, about 253 species of worldwide distribution have been identified under the genus *Cryphalus*, the number seems to be increasing due to advancement in taxonomy and molecular based approaches. This paper is a preliminary study of these known species, including 36 species distributed in China which are marked with an asterisk.

The genus *Cryphalus* was erected by Erichson in 1836, then numerous classification and partial review papers were published (Alonso-Zarazaga & Lyal, 2009; Browne, 1974; Beaver & Browne, 1978; Wood, 1972, 1982; Yin *et al.*, 1984; Wood & Bright, 1987, 1992; Beaver, 1998; Bright & Skidmore, 2002; Mandelshtam, 2002, 2006; Mandelshtam *et al.*, 2007; Yuan, 2007; Maiti & Saha, 2009; Mandelshtam & Petrov, 2009; Mandelshtam & Nikitsky, 2010; Beaver & Liu, 2010; Knížek, 2011; Bright, 2014; Huang & Lu, 2015; Johnson *et al.*, 2017, 2020; Zheng, 2019). However, a nominal checklist of the genus worldwide is absent, especially in China. The paper presents a list of all *Cryphalus* species, with notes on their geographical distribution.

## 2 Material and methods

The catalogue was summarized, based on the literatures since 1836. Data were from the database of Zoological Record and papers searched in the libraries or peer researchers. All these species are listed in alphabetical order.

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### 3 Checklist of *Cryphalus* Erichson, 1836

#### ***Cryphalus* Erichson, 1836**

*Cryphalus* Erichson, 1836: 61.

*Pseudocryphalus* Ferrari, 1868b: 252; synonymized by Wood, 1986a: 91.

*Taenioglyptes* Bedel, 1888b: 398; synonymized by Wood, 1972f: 40.

*Cryptarthrum* Blandford, 1896: 200; synonymized by Schedl, 1963: 62.

*Allarthrum* Hagedorn, 1912: 355; synonymized by Wood, 1986a: 91.

*Dacryphalus* Hopkins, 1915: 42; synonymized by Johnson *et al.*, 2020: 16.

*Ericryphalus* Hopkins, 1915: 8, 38; synonymized by Schedl, 1962r: 92.

*Hypocryphalus* Hopkins, 1915: 41; synonymized by Johnson *et al.*, 2020: 16.

*Margadillius* Hopkins, 1915: 37; synonymized by Johnson *et al.*, 2020: 16.

*Piperius* Hopkins, 1915: 8, 39; synonymized by Schedl, 1962r: 92.

*Ernocryphalus* Murayama, 1958: 934; synonymized by Schedl, 1963: 62.

*Acryphalus* Tsai & Li, 1963: 604, 622; synonymized by Wood, 1984b: 224.

*Jugocryphalus* Tsai & Li, 1963: 602, 622; synonymized by Wood, 1984b: 224.

Type species: *Cryphalus asperatus* (Gyllenhal, 1813).

#### ***Cryphalus abbreviatus* Schedl, 1943**

*Cryphalus abbreviatus* Schedl, 1943: 35.

Distribution. Japan, Philippine Islands.

#### ***Cryphalus aciculatus* (Schedl, 1939)**

*Hypocryphalus aciculatus* Schedl, 1939a: 341; designated by Johnson *et al.*, 2020: 20.

Distribution. Malaysia.

#### ***Cryphalus afiamalus* (Schedl, 1951)**

*Hypocryphalus afiamalus* Schedl, 1951: 148; designated by Johnson *et al.*, 2020: 20.

Distribution. Samoan Islands.

#### ***Cryphalus amplicollis* Johnson, 2020**

*Cryphalus laticollis* Browne, 1984b: 288; homonymized by Johnson *et al.*, 2020: 21.

*Cryphalus amplicollis* Johnson *In*: Johnson *et al.*, 2020: 21.

Distribution. New Guinea.

#### ***Cryphalus angustior* (Eggers, 1927)**

*Hypocryphalus angustior* Eggers, 1927: 300; designated by Johnson *et al.*, 2020: 20.

Distribution. Indonesia (Sumatra).

#### ***Cryphalus aquilonius* (Nobuchi, 1975)**

*Taenioglyptes aquilonius* Nobuchi, 1975: 52; designated by Nobuchi, 1985: 13.

Distribution. Japan.

#### ***Cryphalus araucariae* Schedl, 1970**

*Cryphalus araucariae* Schedl, 1970: 214.

Distribution. New Guinea.

#### ***Cryphalus armatus* Schedl, 1974**

*Cryphalus armatus* Schedl, 1974: 459.

Distribution. New Guinea.

***Cryphalus artestriatus* (Browne, 1970)**

*Taenioglyptes artestriatus* Browne, 1970: 553; designated by Nobuchi, 1985: 13.

Distribution. Uganda.

***Cryphalus artocarpus* (Schedl, 1939)**

*Ericryphalus artocarpus* Schedl, 1939: 432; designated by Beeson, 1961: 287.

Distribution. Malaysia.

***Cryphalus asper* (Broun, 1881)**

*Hypocryphalus asper* Broun, 1881: 742; designated by Johnson *et al.*, 2020: 21.

Distribution. New Zealand.

***Cryphalus asperatus* (Gyllenhal, 1813)**

*Bostrichus asperatus* Gyllenhal, 1813: 368; designated by Wood, 1972f: 41.

*Bostrichus abietis* Ratzeburg, 1837: 163; synonymized by Wood, 1972f: 41.

Distribution. Algeria, Austria, Belgium, Bulgaria, Czechoslovakia, Denmark, England, Finland, France, Georgia, Germany, Greece, Hungary, Ireland, Italy, Japan, Korea, Luxembourg, Morocco, Netherlands, Norway, Poland, Romania, Spain, Sweden, Switzerland, Turkey, Yugoslavia.

***Cryphalus asperulus* Schedl, 1948**

*Cryphalus asperulus* Schedl, 1948: 26.

Distribution. Australia (Queensland).

***Cryphalus ater* Browne, 1984**

*Cryphalus ater* Browne, 1984d: 91.

Distribution. New Guinea.

***Cryphalus babai* Murayama, 1961**

*Cryphalus babai* Murayama, 1961: 29.

Distribution. Japan.

***Cryphalus bakeri* (Eggers, 1927)**

*Hypocryphalus bakeri* Eggers, 1927: 77; designated by Johnson *et al.*, 2020: 21.

Distribution. Philippine Islands.

***Cryphalus balanopselaphus* Eggers, 1920**

*Cryphalus balanopselaphus* Eggers, 1920: 121.

Distribution. Tanzania.

***Cryphalus basihirtus* (Beeson, 1929)**

*Hypocryphalus basihirtus* Beeson, 1929: 227; designated by Johnson *et al.*, 2020: 21.

Distribution. Samoan Islands.

***Cryphalus bellus* Schedl, 1957**

*Cryphalus bellus* Schedl, 1957: 47.

Distribution. Ivory Coast, Congo.

***Cryphalus bicarinatus* (Nobuchi, 1975)**

*Taenioglyptes bicarinatus* Nobuchi, 1975: 53; designated by Nobuchi, 1985: 13.

Distribution. Japan.

***Cryphalus bicolor* (Browne, 1984)**

*Cryphalomorphus bicolor* Browne, 1984f: 69; designated by Beaver, 1991b: 53.

Distribution. New Guinea, Russia.

***Cryphalus bidentatus* (Browne, 1980)**

*Hypocryphalus bidentatus* Browne, 1980: 383; designated by Johnson *et al.*, 2020: 21.

Distribution. Philippine Islands.

***Cryphalus boettcheri* Schedl, 1943**

*Cryphalus boettcheri* Schedl, 1943: 38.

Distribution. Philippine Islands (Mindanao).

***Cryphalus borneensis* Schedl, 1943**

*Cryphalus borneensis* Schedl, 1943: 38.

Distribution. Malaysia, Indonesia.

***Cryphalus brasiliensis* Schedl, 1976**

*Cryphalus brasiliensis* Schedl, 1976: 65.

Distribution. Brazil.

***Cryphalus brevior* (Schedl, 1943)**

*Hypocryphalus brevior* Schedl, 1943: 40; designated by Johnson *et al.*, 2020: 21.

Distribution. Philippine Islands (Mindoro).

***Cryphalus brevipilosus* Schedl, 1942**

*Cryphalus brevipilosus* Schedl, 1942a: 173.

Distribution. New Guinea.

***Cryphalus brimblecombei* Schedl, 1948**

*Cryphalus brimblecombei* Schedl, 1948: 26.

Distribution. Australia (Queensland).

***Cryphalus brownei* Wood, 1992**

*Cryphalus brownei* Wood, 1992: 79.

Distribution. Indonesia (Borneo).

***Cryphalus brunneus* Browne, 1984**

*Cryphalus brunneus* Browne, 1984d: 93.

Distribution. New Guinea.

***Cryphalus buloloensis* Browne, 1984**

*Cryphalus buloloensis* Browne, 1984c: 67.

Distribution. New Guinea.

***Cryphalus capucinicollis* Schedl, 1950**

*Cryphalus capucinicollis* Schedl, 1950: 47.

Distribution. Fiji Islands.

***Cryphalus capucinoides* Eggers, 1939**

*Cryphalus capucinoides* Eggers, 1939: 4.

Distribution. Burma.

***Cryphalus capucinomorphus* Schedl, 1950**

*Cryphalus capucinomorphus* Schedl, 1950: 48.

Distribution. Fiji Islands.

***Cryphalus capucinus* Schedl, 1938\***

*Cryphalus capucinus* Schedl, 1938b: 425.

Distribution. China, Burma, Philippine Islands.

***Cryphalus carinatus* (Browne, 1980)**

*Margadillius carinatus* Browne, 1980: 382; designated by Johnson *et al.*, 2020: 21.

Distribution. New Britain Island.

***Cryphalus carpini* Berger, 1917**

*Cryphalus carpini* Berger, 1917: 234.

Distribution. Japan, Korea, Russia.

***Cryphalus carpinivorus* Murayama, 1930**

*Cryphalus carpinivorus* Murayama, 1930: 14.

Distribution. Korea.

***Cryphalus chamaecipariae* Niisima, 1910**

*Cryphalus chamaecipariae* Niisima, 1910: 10.

Distribution. Japan.

***Cryphalus chinlingensis* Tsai & Li, 1963\***

*Cryphalus chinlingensis* Tsai & Li, 1963: 605, 612, 623.

Distribution. China (Shaanxi, Sichuan).

***Cryphalus ciliatipes* Blandford, 1896**

*Cryphalus ciliatipes* Blandford, 1896: 242.

Distribution. New Caledonia Islands.

***Cryphalus cinereotestaceus* (Motschulsky, 1866)**

*Hypobous cinereotestaceus* Motschulsky, 1866: 403; designated by Wood, 1969c: 118.

Distribution. Sri Lanka.

***Cryphalus compactus* Lea, 1910**

*Cryphalus compactus* Lea, 1910: 139.

Distribution. Australian (Queensland).

***Cryphalus confusus* (Hopkins, 1915)**

*Margadillius confusus* Hopkins, 1915: 38; designated by Johnson *et al.*, 2020: 21.

Distribution. Indonesia (Sumatra), New Guinea.

***Cryphalus constrictus* Schedl, 1942**

*Cryphalus constrictus* Schedl, 1942: 174.

*Cryphalus perminimus* Schedl, 1942: 13; synonymized by Schedl, 1958: 153.

*Hypocryphalus froggatti* Nunberg, 1961: 611; synonymized by Schedl, 1962: 697.

Distribution. Malaysia, Fiji Islands, Indonesia (Java), New Britain Island, New Guinea, Philippine Islands.

***Cryphalus corpulentus* (Schedl, 1942)**

*Hypocryphalus corpulentus* Schedl, 1942: 22; designated by Johnson *et al.*, 2020: 21.

Distribution. Malaysia, Indonesia.

***Cryphalus coryli* Stark, 1936**

*Cryphalus coryli* Stark, 1936: 144.

Distribution. Russia.

***Cryphalus cryptomeriae* Niisima, 1908**

*Cryphalus cryptomeriae* Niisima, 1908: 91.

Distribution. Japan.

***Cryphalus cylindricus* Browne, 1980**

*Cryphalus cylindricus* Browne, 1980b: 384.

Distribution. Indonesia (Mentawai).

***Cryphalus cylindripennis* (Schedl, 1959)**

*Hypocryphalus cylindripennis* Schedl, 1959: 483; designated by Johnson *et al.*, 2020: 21.

Distribution. Sri Lanka.

***Cryphalus cylindrus* (Browne, 1950)**

*Hypocryphalus cylindrus* Browne, 1950: 647; designated by Johnson *et al.*, 2020: 21.

Distribution. New Guinea.

***Cryphalus densepilosus* (Schedl, 1942)**

*Hypocryphalus densepilosus* Schedl, 1942d: 21; designated by Johnson *et al.*, 2020: 21.

Distribution. Philippine Islands (Luzon).

***Cryphalus dilutus* Eichhoff, 1878**

*Cryphalus dilutus* Eichhoff, 1878a: 384.

Distribution. Malta, Tunisia, India, United Arab Emirates, Pakistan, Mexico, Oman, Bangladesh, Italy, Israel.

***Cryphalus dipterocarpi* Wood, 1989**

*Cryphalus dipterocarpi* Wood, 1989: 179.

Distribution. Burma, India.

***Cryphalus discrepans* (Schedl, 1965)**

*Hypocryphalus discrepans* Schedl, 1965: 58; designated by Johnson *et al.*, 2020: 21.

Distribution. Madagascar.

***Cryphalus discretus* Eichhoff, 1878\***

*Cryphalus discretus* Eichhoff, 1878a: 385.

*Cryphalus scabricollis* Eichhoff, 1878b: 491; synonymized by Wood, 1989: 172.

*Cryphalus brevisetosus* Schedl, 1943: 36; synonymized by Wood, 1989: 172.

Distribution. Burma, China (Yunnan, Hainan), India, Sri Lanka, Vietnam, Philippine Islands (Luzon).

***Cryphalus dissimilis* (Nobuchi, 1975)**

*Taenioglyptes dissimilis* Nobuchi, 1975: 57; designated by Nobuchi, 1985: 13.

Distribution. Japan.

***Cryphalus diversicolor* Browne, 1984**

*Cryphalus diversicolor* Browne, 1984d: 90.

Distribution. New Guinea.

***Cryphalus dorsalis* (Motschulsky, 1866)\***

*Hypobous dorsalis* Motschulsky, 1866: 403; designated by Wood, 1969c: 119.

*Hypoborus nebulosus* Motschulsky, 1866: 403; synonymized by Mandelshtam & Nikitsky, 2010: 19.

*Hylesinus sericeus* Motschulsky, 1866: 402; synonymized by Wood, 1969c: 118.

*Cryphalus indicus* Eichhoff, 1878a: 384; synonymized by Johnson *et al.*, 2020: 21.

Distribution. China (Hainan), Burma, India, Vietnam, Indonesia (Java, Sumatra), Philippines (Luzon, Mindanao).

***Cryphalus dubiosus* Schedl, 1963**

*Cryphalus dubiosus* Schedl, 1963: 66.

Distribution. Vietnam.

***Cryphalus duplosquamosus* Schedl, 1942**

*Cryphalus duplosquamosus* Schedl, 1942b: 15.

Distribution. Indonesia (Java).

***Cryphalus eggersi* Johnson, 2020**

*Cryphalus confusus* Eggers, 1927b: 395; homonymized by Johnson *et al.*, 2020: 21.

*Cryphalus eggersi* Johnson In: Johnson *et al.*, 2020: 21.

Distribution. Indonesia (Sumatra).

***Cryphalus elaboratus* Schedl, 1950**

*Cryphalus elaboratus* Schedl, 1950: 51.

Distribution. Fiji Islands.

***Cryphalus elongatus* Schedl, 1962**

*Cryphalus elongatus* Schedl, 1962: 105.

Distribution. Fiji Islands, Japan.

***Cryphalus eriobotryae* Johnson, 2019\***

*Cryphalus eriobotryae* Johnson, 2019: 3.

Distribution. China (Suzhou).

***Cryphalus erraticus* Schedl, 1979**

*Cryphalus erraticus* Schedl, 1979a: 96.

Distribution. New Guinea.

***Cryphalus erythrinae* (Hopkins, 1915)**

*Margadillius erythrinae* Hopkins, 1915: 38; designated by Johnson *et al.*, 2020: 21.

Distribution. Philippine Islands.

***Cryphalus exiguus* Blandford, 1894\***

*Cryphalus exiguus* Blandford, 1894: 82.

*Cryphalus pilosus* Sasaki, 1899: 238; synonymized by Niisima, 1909: 144.

Distribution. China (Anhui, Beijing, Guizhou, Hebei, Jiangsu, Shandong, Sichuan, Taiwan, Zhejiang), Japan, Korea, Russia (FE).

***Cryphalus felis* Wood, 1989**

*Cryphalus felis* Wood, 1989: 180.

Distribution. India (Uttar Pradesh).

***Cryphalus fici* (Browne, 1986)**

*Hypocryphalus fici* Browne, 1986: 90; designated by Johnson *et al.*, 2020: 21.

Distribution. Solomon Islands.

***Cryphalus ficivorus* Murayama, 1958**

*Cryphalus ficivorus* Murayama, 1958: 933.

Distribution. Japan.

***Cryphalus formosanus* Schedl, 1942\***

*Cryphalus formosanus* Schedl, 1942a: 175.

Distribution. China (Taiwan).

***Cryphalus fugax* Schedl, 1973**

*Cryphalus fugax* Schedl, 1973: 87.

Distribution. New Guinea.

***Cryphalus fuliginosus* Blandford, 1895**

*Cryphalus fuliginosus* Blandford, 1895: 319.

Distribution. Sri Lanka.

***Cryphalus fulmineus* Wood, 1989\***

*Cryphalus fulmineus* Wood, 1989: 180.

Distribution. China (Sichuan), India.

***Cryphalus fulvus* Niisima, 1908\***

*Cryphalus fulvus* Niisima, 1908: 92.

*Cryphalus pini* Eggers, 1921: 39; synonymized by Eggers, 1923b: 139.

Distribution. China (Liaoning, Taiwan), Japan, Korea.

***Cryphalus furukawai* Murayama, 1934**

*Cryphalus furukawai* Murayama, 1934: 59.

Distribution. Japan, Korea.

***Cryphalus fuscus* Johnson, 2020**

*Cryphalus cylindrus* Browne, 1984d: 92; homonymized by Johnson *et al.*, 2020: 21.

*Cryphalus fuscus* Johnson *In*: Johnson *et al.*, 2020: 21.

Distribution. New Guinea.

***Cryphalus garambaensis* Nunberg, 1965**

*Cryphalus garambaensis* Nunberg, 1965: 25.

Distribution. Congo.

***Cryphalus garciniae* Nobuchi, 1959**

*Cryphalus garciniae* Nobuchi, 1959: 24.

Distribution. Japan.

***Cryphalus giganteus* Schedl, 1950**

*Cryphalus giganteus* Schedl, 1950: 22.

Distribution. Natal in South Africa.

***Cryphalus gigas* Schedl, 1975**

*Cryphalus gigas* Schedl, 1975b: 218.

Distribution. New Guinea.

***Cryphalus glabratus* (Schedl, 1959)**

*Hypocryphalus glabratus* Schedl, 1959: 484; designated by Johnson *et al.*, 2020: 22.

Distribution. Sri Lanka.

***Cryphalus gracilis* Johnson, 2020**

*Cryphalus laevis* Browne, 1984b: 288; homonymized by Johnson *et al.*, 2020: 22.

*Cryphalus gracilis* Johnson In: Johnson *et al.*, 2020: 22.

Distribution. Malaysia.

***Cryphalus granulatus* (Schedl, 1942)**

*Hypocryphalus granulatus* Schedl, 1942a: 176; designated by Johnson *et al.*, 2020: 22.

Distribution. Malaysia.

***Cryphalus helopioides* Schedl, 1953**

*Cryphalus helopioides* Schedl, 1953: 295.

Distribution. Malaysia.

***Cryphalus hirsutus* (Nobuchi, 1975)**

*Taenioglyptes hirsutus* Nobuchi, 1975: 52; designated by Nobuchi, 1985: 13.

Distribution. Japan.

***Cryphalus horridus* Eichhoff, 1878**

*Cryphalus horridus* Eichhoff, 1878a: 384.

Distribution. Burma.

***Cryphalus imitans* (Schedl, 1951)**

*Hypocryphalus imitans* Schedl, 1951: 148; designated by Johnson *et al.*, 2020: 22.

Distribution. Samoan Islands.

***Cryphalus infimus* Schedl, 1972**

*Cryphalus infimus* Schedl, 1972a: 287.

Distribution. Africa.

***Cryphalus intermedius* Ferrari, 1867**

*Cryphalus intermedius* Ferrari, 1867: 79.

Distribution. Austria, Czechoslovakia, France, Germany, Hungary, Italy, Poland, Romania.

***Cryphalus interponens* (Schedl, 1953)**

*Hypocryphalus interponens* Schedl, 1953: 126; designated by Johnson *et al.*, 2020: 22.

Distribution. Sri Lanka, Vietnam.

***Cryphalus jeholensis* Murayama, 1939\***

*Cryphalus jeholensis* Murayama, 1939: 143.

Distribution. China (Hebei, Heilongjiang), Japan, Korea.

***Cryphalus jezoensis* Inouye & Nobuchi, 1957**

*Cryphalus jezoensis* Inouye & Nobuchi, 1957: 49.

Distribution. Japan.

***Cryphalus juglansi* Niisima, 1913**

*Cryphalus juglansi* Niisima, 1913: 3.

Distribution. Japan.

***Cryphalus kagoshimensis* (Nobuchi, 1975)**

*Taenioglyptes kagoshimensis* Nobuchi, 1975: 56; designated by Nobuchi, 1985c: 14.

Distribution. Japan.

***Cryphalus kalambanganus* (Schedl, 1943)**

*Hypocryphalus kalambanganus* Schedl, 1943: 39; designated by Johnson *et al.*, 2020: 22.

Distribution. Philippine Islands (Mindanao).

***Cryphalus kesiyae* Browne, 1975**

*Cryphalus kesiyae* Browne, 1975: 288.

Distribution. Thailand.

***Cryphalus kivuensis* Schedl, 1957**

*Cryphalus kivuensis* Schedl, 1957: 48.

Distribution. Congo.

***Cryphalus kolbei* (Hagedorn, 1912)**

*Allarthrum kolbei* Hagedorn, 1912: 355; designated by Schedl, 1979c: 134.

Distribution. New Guinea.

***Cryphalus kurenzovi* Stark, 1936**

*Cryphalus kurenzovi* Stark, 1936: 142, 150.

*Cryphalus punctulatus* Eggers, 1942: 29; synonymized by Pfeffer, 1944: 131.

*Cryphalus ussuriensis* Eggers, 1942: 29; synonymized by Schedl, 1952: 158.

Distribution. Russia (Sakhalin Island, Siberia).

***Cryphalus kyotoensis* Nobuchi, 1966**

*Cryphalus kyotoensis* Nobuchi, 1966: 53.

Distribution. Japan.

***Cryphalus laevis* (Browne, 1980)**

*Hypocryphalus laevis* Browne, 1980: 374; designated by Johnson *et al.*, 2020: 22.

Distribution. Malaysia.

***Cryphalus laricis* Niisima, 1909**

*Cryphalus laricis* Niisima, 1909: 142.

Distribution. Japan, Korea.

***Cryphalus laticollis* (Browne, 1974)**

*Hypocryphalus laticollis* Browne, 1974: 67; designated by Johnson *et al.*, 2020: 22.

Distribution. New Guinea.

***Cryphalus latus* Eggers, 1929\****Cryphalus latus* Eggers, 1929: 10.*Cryphalus premayaensis* Murayama, 1943; synonymized by Mandelshtam, 2007: 463.

Distribution. China (Heilongjiang), Russia.

***Cryphalus lepocrinus* Tsai & Li, 1963\****Cryphalus lepocrinus* Tsai & Li, 1963: 606, 619, 624.

Distribution. China (Sichuan).

***Cryphalus lipingensis* Tsai & Li, 1959\****Cryphalus lipingensis* Tsai & Li, 1959: 90.

Distribution. China (Shaanxi, Sichuan).

***Cryphalus longior* Browne, 1984***Cryphalus longior* Browne, 1984d: 91.

Distribution. New Guinea.

***Cryphalus longipennis* (Browne, 1970)***Hypocryphalus longipennis* Browne, 1970: 552; designated by Johnson *et al.*, 2020: 22.

Distribution. New Zealand.

***Cryphalus longipilis* (Browne, 1981)***Hypocryphalus longipilis* Browne, 1981: 128; designated by Johnson *et al.*, 2020: 22.

Distribution. Indonesia (Moluccas), New Britain Island.

***Cryphalus longipilus* Schedl, 1943***Cryphalus longipilus* Schedl, 1943: 34.

Distribution. Indonesia (Sumatra), Palau, Philippine Islands (Mindoro).

***Cryphalus longisetosus* (Nobuchi, 1975)***Taenioglyptes longisetosus* Nobuchi, 1975: 57; designated by Johnson *et al.*, 2020: 22.

Distribution. Japan.

***Cryphalus longus* (Eggers, 1926)***Ernoporus longus* Eggers, 1926: 136.*Cryphalus alni* Krivolutskaya, 1958: 144; synonymized by Mandelshtam, 2002: 7.

Distribution. Russia.

***Cryphalus luteus* Johnson, 2020***Margadillius fulvus* Browne, 1984: 289; homonymized by Johnson *et al.*, 2020: 22.*Cryphalus luteus* Johnson In: Johnson *et al.*, 2020: 22.

Distribution. New Guinea.

***Cryphalus magnus* (Browne, 1984)***Margadillius magnus* Browne, 1984d: 88; designated by Johnson *et al.*, 2020: 22.

Distribution. New Guinea.

***Cryphalus major* Stebbing, 1903**

*Cryphalus major* Stebbing, 1903: 270.

*Cryphalus morinda* Stebbing, 1903: 265; synonymized by Wood, 1989: 171.

Distribution. India (Himachal Pradesh, Punjab, Uttar Pradesh).

***Cryphalus malayensis* (Schedl, 1942)**

*Hypocryphalus malayensis* Schedl, 1942a: 176; designated by Johnson *et al.*, 2020: 22.

Distribution. Malaysia, Indonesia (Borneo).

***Cryphalus malloti* Schedl, 1943**

*Cryphalus malloti* Schedl, 1943: 37.

Distribution. Philippine Islands (Luzon).

***Cryphalus malus* Niisima, 1909\***

*Cryphalus malus* Niisima, 1909: 144.

*Cryphalus padi* Kryvolutskaya, 1958: 144; synonymized by Mandelshtam, 2002: 8.

Distribution. China (Liaoning), Japan, Korea, Russia.

***Cryphalus mandschuricus* Eggers, 1929\***

*Cryphalus mandschuricus* Eggers, 1929: 10.

Distribution. China (Heilongjiang), Russia.

***Cryphalus mangiferae* Stebbing, 1914**

*Cryphalus mangiferae* Stebbing, 1914: 542

*Cryphalus inops* Eichhoff, 1872: 131; synonymized by Wood, 1982: 871.

*Hypothenemus griseus* Blackburn, 1885: 194; synonymized by Wood, 1982: 871.

*Margadillius margadilaonis* Hopkins, 1915: 38; designated by Johnson *et al.*, 2020: 22.

*Hypocryphalus mangiferae* Eggers, 1928: 85; synonymized by Eggers, 1930: 185.

*Cryphalus subcylindricus* Schedl, 1942d: 16; synonymized by Schedl, 1958e: 153.

*Cryphalus mimicus* Schedl, 1942d: 17; synonymized by Kalshoven, 1958: 164.

Distribution. Ghana, Guinea, Kenya, Ivory Coast, Mauritius, Nigeria, Tanzania, Uganda, Zaire, Burm, India, Malaysia, Sri Lanka, Thailand, Philippine Islands (Luzon), Australia (Queensland), Cook Islands, Hawaiian Islands, Indonesia (Java), Madagascar, Micronesia (Caroline Islands, Palau), USA (Florida), Mexico (Veracruz), Reunion Island, Samoan Islands, Brazil, Venezuela.

***Cryphalus markangensis* Tsai & Li, 1963\***

*Cryphalus markangensis* Tsai & Li, 1963: 606, 618, 624.

Distribution. China (Sichuan).

***Cryphalus massonianus* Tsai & Li, 1963\***

*Cryphalus massonianus* Tsai & Li, 1963: 605, 613, 626.

Distribution. China (Jiangsu).

***Cryphalus meridionalis* (Nobuchi, 1975)**

*Taenioglyptes meridionalis* Nobuchi, 1975: 55; designated by Nobuchi, 1985: 14.

Distribution. Japan.

***Cryphalus mindoroensis* (Schedl, 1943)**

*Hypocryphalus mindoroensis* Schedl, 1943: 39; designated by Johnson *et al.*, 2020: 22.

Distribution. Philippine Islands.

***Cryphalus minimus* Eggers, 1927**

*Cryphalus minimus* Eggers, 1927: 76.

Distribution. Micronesia, Palau, Philippine Islands (Luzon).

***Cryphalus minor* (Schedl, 1943)**

*Hypocryphalus minor* Schedl, 1943: 40; designated by Johnson *et al.*, 2020: 22.

Distribution. Philippine Islands (Mindanao).

***Cryphalus minusculus* Johnson, 2020**

*Hypocryphalus minutus* Browne, 1980c: 495; homonymized by Johnson *et al.*, 2020: 22.

*Cryphalus minusculus* Johnson *In*: Johnson *et al.*, 2020: 22.

Distribution. Indonesia (Java).

***Cryphalus minutus* (Hopkins, 1915)**

*Margadillius minutus* Hopkins, 1915: 37; designated by Johnson *et al.*, 2020: 22.

Distribution. Philippine Islands.

***Cryphalus miyalopiceus* Tsai & Li, 1963\***

*Cryphalus miyalopiceus* Tsai & Li, 1963: 602, 604, 608, 622.

Distribution. China (Sichuan).

***Cryphalus mollis* Schedl, 1955**

*Cryphalus mollis* Schedl, 1955: 288.

*Hypocryphalus tongaensis* Schedl, 1979a: 104; synonymized by Beaver, 1987: 67.

Distribution. Fiji Islands, Niue Island, Samoan Islands.

***Cryphalus montanus* Nobuchi, 1964**

*Cryphalus montanus* Nobuchi, 1964: 129.

Distribution. Japan (Honshu).

***Cryphalus moorei* (Schedl, 1964)**

*Hypocryphalus moorei* Schedl, 1964: 247; designated by Johnson *et al.*, 2020: 22.

Distribution. Australia (New South Wales).

***Cryphalus neglectus* Schedl, 1962**

*Cryphalus neglectus* Schedl, 1962: 106.

Distribution. India (Bengal).

***Cryphalus negrosensis* Browne, 1979**

*Cryphalus negrosensis* Browne, 1979: 85.

Distribution. Philippine Islands (Negros).

***Cryphalus niger* Schedl, 1942**

*Cryphalus niger* Schedl, 1942a: 172.

Distribution. Australia (Queensland).

***Cryphalus nigericus* Browne, 1973**

*Cryphalus nigericus* Browne, 1973: 289.

Distribution. Nigeria.

***Cryphalus nigricans* Schedl, 1943**

*Cryphalus nigricans* Schedl, 1943: 35.

Distribution. Sri Lanka, Philippine Islands (Luzon).

***Cryphalus nigrosetosus* (Schedl, 1948)**

*Hypocryphalus nigrosetosus* Schedl, 1948: 27; designated by Johnson *et al.*, 2020: 23.

Distribution. Australia (Queensland).

***Cryphalus niponensis* Inouye & Nobuchi, 1957**

*Cryphalus niponensis* Inouye & Nobuchi, 1957: 51.

Distribution. Japan (Hokkaido).

***Cryphalus nitens* Browne, 1980**

*Cryphalus nitens* Browne, 1980c: 494.

Distribution. Indonesia (Celebes).

***Cryphalus nitidicollis* (Schedl, 1975)**

*Hypocryphalus nitidicollis* Schedl, 1975b: 219; designated by Johnson *et al.*, 2020: 23.

Distribution. New Guinea.

***Cryphalus nitidipennis* Browne, 1984**

*Cryphalus nitidipennis* Browne, 1984d: 89.

Distribution. New Guinea.

***Cryphalus nothofagi* Browne, 1984**

*Cryphalus nothofagi* Browne, 1984c: 68.

Distribution. New Guinea.

***Cryphalus numidicus* Eichhoff, 1878**

*Cryphalus numidicus* Eichhoff, 1878a: 385.

Distribution. Algeria, Bulgaria, Egypt, French (Corsica), Greece, Italy, Libya, Morocco, Spain, Switzerland, Tunisia, Turkey.

***Cryphalus nyalubombeae* Schedl, 1957**

*Cryphalus nyalubombeae* Schedl, 1957: 49.

Distribution. Congo.

***Cryphalus obesus* (Hopkins, 1915)**

*Dacryphalus obesus* Hopkins, 1915: 42; designated by Johnson *et al.*, 2020: 23.

Distribution. Philippine Islands (Luzon).

***Cryphalus oblongus* Niisima, 1910**

*Cryphalus oblongus* Niisima, 1910: 9.

Distribution. Japan.

***Cryphalus obscurus* (Hopkins, 1915)**

*Hypocryphalus obscurus* Hopkins, 1915: 41; designated by Johnson *et al.*, 2020: 23.

Distribution. Philippine Islands (Mindoro).

***Cryphalus orientalis* Eggers, 1911**

*Cryphalus orientalis* Eggers, 1911: 122.

Distribution. Australia.

***Cryphalus ovalicollis* (Schedl, 1942)**

*Hypocryphalus ovalicollis* Schedl, 1942c: 177; designated by Johnson *et al.*, 2020: 23.

Distribution. Australia.

***Cryphalus ozopemoides* Johnson, 2020**

*Hypocryphalus montanus* Schedl, 1974: 460; homonymized by Johnson *et al.*, 2020: 23.

*Cryphalus ozopemoides* Johnson In: Johnson *et al.*, 2020: 23.

Distribution. New Guinea.

***Cryphalus paganus* Eichhoff, 1878**

*Cryphalus paganus* Eichhoff, 1878: 43, 129–130, 474.

Distribution. Equatorial Guinea, Ghana, Guinea, Principe Island, Sao Tome Island, Congo.

***Cryphalus palawanus* Schedl, 1942**

*Cryphalus palawanus* Schedl, 1942a: 174.

Distribution. Sri Lanka, Philippine Islands.

***Cryphalus pallidus* Eichhoff, 1872**

*Cryphalus pallidus* Eichhoff, 1872: 131.

Distribution. Burkina Faso, Madagascar, Mauritius, Seychelles Islands.

***Cryphalus papuanus* (Schedl, 1973)**

*Margadillius papuanus* Schedl, 1973: 87; designated by Johnson *et al.*, 2020: 23.

*Ernoporus antennarius* Schedl, 1974: 461; synonymized by Johnson *et al.*, 2020: 23.

Distribution. New Guinea.

***Cryphalus parvulus* Niisima, 1910**

*Cryphalus parvulus* Niisima, 1910: 8.

Distribution. Japan.

***Cryphalus pellicius* Johnson, 2020**

*Hypocryphalus pilifer* Schedl, 1979a: 98; homonymized by Johnson *et al.*, 2020: 23.

*Cryphalus pellicius* Johnson In: Johnson *et al.*, 2020: 23.

Distribution. New Guinea.

***Cryphalus pexus* Schedl, 1979**

*Cryphalus pexus* Schedl, 1979a: 104.

Distribution. Samoan Islands.

***Cryphalus piceae* (Ratzeburg, 1837)\***

*Bostrichus piceae* Ratzeburg, 1837: 163.

*Cryphalus hattorii* Kono, 1938: 67; synonymized by Inouye & Nobuchi, 1957a: 52.

*Cryphalus subdepressiis* Eggers, 1940g: 37; synonymized by Wood, 1992a: 89.

Distribution. China, Algeria, Austria, Bulgaria, England, France, Germany, Greece, Hungary, Italy, Japan, Korea, Poland, Romania, Russia (Kuril Islands, Sakhalin Island), Spain, Switzerland, Turkey, Yugoslavia.

***Cryphalus piceus* Eggers, 1926\***

*Cryphalus piceus* Eggers, 1926: 136.

Distribution. China (Heilongjiang), Japan, Russia (Sakhalin Island), South Rimorie.

***Cryphalus pilifer* Eggers, 1927**

*Cryphalus pilifer* Eggers, 1927: 394.

Distribution. Indonesia (Sumatra).

***Cryphalus piliger* (Schedl, 1975)**

*Hypocryphalus piliger* Schedl, 1975b: 219; designated by Johnson *et al.*, 2020: 23.

Distribution. New Guinea.

***Cryphalus pilosellus* Erichson, 1842**

*Cryphalus pilosellus* Erichson, 1842: 212.

Distribution. Australia (Tasmania).

***Cryphalus pilosulus* Browne, 1980**

*Cryphalus pilosulus* Browne, 1980b: 385.

Distribution. New Guinea.

***Cryphalus pilosus* Tsai & Li, 1963\***

*Cryphalus pilosus* Tsai & Li, 1963: 606, 617, 624.

Distribution. China (Sichuan).

***Cryphalus planicollis* Schedl, 1978**

*Cryphalus planicollis* Schedl, 1978: 74.

Distribution. New Caledonia Islands.

***Cryphalus polynesiae* (Schedl, 1979)**

*Hypocryphalus polynesiae* Schedl, 1979a: 105; designated by Johnson *et al.*, 2020: 23.

Distribution. Samoan Islands.

***Cryphalus procerus* Schedl, 1953**

*Cryphalus procerus* Schedl, 1953: 296.

Distribution. Indonesia (Sumatra).

***Cryphalus pruni* Eggers, 1929\***

*Cryphalus pruni* Eggers, 1929: 11.

Distribution. China (Yunnan), Russia (Sakhalin Island).

***Cryphalus pseudochinlingensis* Tsai & Li, 1963\***

*Cryphalus pseudochinlingensis* Tsai & Li, 1963: 605, 610, 623.

Distribution. China (Shaanxi).

***Cryphalus pseudotabulaeformis* Tsai & Li, 1963\***

*Cryphalus pseudotabulaeformis* Tsai & Li, 1963: 605, 613, 623.

Distribution. China (Beijing, Shaanxi, Sichuan).

***Cryphalus puberulus* Schedl, 1942**

*Cryphalus puberulus* Schedl, 1942a: 171.

Distribution. Australia (Queensland).

***Cryphalus pubescens* Hopkins, 1915**

*Cryphalus pubescens* Hopkins, 1915: 39-40.

*Cryphalus subconcentralis* Hopkins, 1915: 39-40; synonymized by Wood, 1954a: 1003.

Distribution. Alaska, Canada (British Columbia), USA (California, Oregon, Washington).

***Cryphalus pulchellus* (Nobuchi, 1975)**

*Taenioglyptes pulchellus* Nobuchi, 1975: 54; designated by Nobuchi, 1985: 15.

Distribution. Japan.

***Cryphalus punctatostriatus* Schedl, 1942**

*Cryphalus punctatostriatus* Schedl, 1942a: 175.

Distribution. Malaysia (Singapore).

***Cryphalus punctatus* Browne, 1984**

*Cryphalus punctatus* Browne, 1984: 66.

Distribution. New Guinea.

***Cryphalus punctipennis* Schedl, 1942**

*Cryphalus punctipennis* Schedl, 1942a: 169.

Distribution. Australia (Queensland).

***Cryphalus punctistriatulus* Johnson, 2020**

*Cryphalus striatulus* Browne, 1981: 127; homonymized by Johnson *et al.*, 2020: 23.

*Cryphalus punctistriatulus* Johnson *In*: Johnson *et al.*, 2020: 23.

Distribution. New Britain Island.

***Cryphalus pusillimus* Schedl, 1942**

*Cryphalus pusillimus* Schedl, 1942a: 171.

Distribution. New Guinea.

***Cryphalus pusillus* Schedl, 1943**

*Cryphalus pusillus* Schedl, 1943: 38.

Distribution. Philippine Islands (Mindanao).

***Cryphalus quadrituberculatus* (Schedl, 1963)**

*Margadillius quadrituberculatus* Schedl, 1963: 64; designated by Johnson *et al.*, 2020: 23.

Distribution. Indonesia (Java).

***Cryphalus redikorzevi* Berger, 1917\***

*Cryphalus redikorzevi* Berger, 1917: 232.

Distribution. China (Sichuan), Russia (Sakhalin Island).

***Cryphalus reflexus* (Browne, 1980)**

*Hypocryphalus reflexus* Browne, 1980b: 383; designated by Johnson *et al.*, 2020: 23.

Distribution. New Britain Island.

***Cryphalus resiniferi* Schedl, 1943**

*Cryphalus resiniferi* Schedl, 1943: 36.

Distribution. Philippine Islands (Luzon).

***Cryphalus rhusii* Niisima, 1909**

*Cryphalus rhusii* Niisima, 1909: 145.

*Cryphalus kurilensis* Kryvolutskaya, 1968: 53; synonymized by Mandelshtam, 2006: 324.

Distribution. Japan, Russia (Kuril Islands).

***Cryphalus robustus* Eichhoff, 1872**

*Cryphalus robustus* Eichhoff, 1872: 131.

Distribution. USA.

***Cryphalus rotundus* (Hopkins, 1915)**

*Hypocryphalus rotundus* Hopkins, 1915: 41; designated by Johnson *et al.*, 2020: 23.

Distribution. Philippine Islands (Luzon).

***Cryphalus rubentis* Hopkins, 1915**

*Cryphalus rubentis* Hopkins, 1915: 39-40.

Distribution. USA (North Carolina, Pennsylvania, West Virginia).

***Cryphalus ruficollis* Hopkins, 1915**

*Cryphalus ruficollis* Hopkins, 1915: 39-40.

*Cryphalus approximatus* Hopkins, 1915: 41; synonymized by Wood, 1954a: 1005.

*Cryphalus balsameus* Hopkins, 1915: 41; synonymized by Wood, 1954a: 1010.  
*Cryphalus fraseri* Hopkins, 1915: 40–41; synonymized by Wood, 1989: 171.  
*Cryphalus amabilis* Chamberlin, 1917: 321; synonymized by Wood, 1954a: 1005.  
*Cryphalus grandis* Chamberlin, 1917: 323; synonymized by Wood, 1954a: 1005.  
*Cryphalus canadensis* Chamberlin, 1918: 88; synonymized by Wood, 1954a: 1010.  
*Cryphalus mainensis* Blackman, 1922: 126; synonymized by Wood, 1954a: 1010.  
*Cryphalus ruficollis coloradensis* Wood, 1954: 1008; synonymized by Wood, 1977: 512.

Distribution. Alaska, Canada (Alberta, British Columbia, Manitoba, New Brunswick, Newfoundland, Nova Scotia, Prince Edward Island, Quebec), Mexico (Nuevo Leon), USA (Arizona, California, Colorado, Idaho, Maine, Montana, New Mexico, New York, Ontario, Oregon, Utah, Washington, Wyoming).

***Cryphalus rufopilosus* Schedl, 1942**

*Cryphalus rufopilosus* Schedl, 1942a: 174.

Distribution. Indonesia (Celebes).

***Cryphalus rugosus* (Schedl, 1958)**

*Ericryphalus rugosus* Schedl, 1958: 102; designated by Schedl, 1979: 216–217.

Distribution. Malaysia.

***Cryphalus saltuarius* Weise, 1891\***

*Cryphalus saltuarius* Weise, 1891: 336.

Distribution. China (Sichuan), Austria, Bulgaria, Czechoslovakia, Denmark, Finland, Germany, Hungary, Italy, Poland, Sweden, Yugoslavia, Russia.

***Cryphalus samoensis* Beeson, 1929\***

*Cryphalus samoensis* Beeson, 1929: 224.

Distribution. China (Hainan), Samoan Islands.

***Cryphalus sandakanensis* Schedl, 1937**

*Hypocryphalus sandakanensis* Schedl, 1937: 548; designated by Johnson *et al.*, 2020: 23.

*Hypocryphalus maculatus* Browne, 1962: 303; synonymized by Wood, 1989: 173.

Distribution. Indonesia (Borneo).

***Cryphalus sarawakensis* Schedl, 1972**

*Cryphalus sarawakensis* Schedl, 1972b: 199.

Distribution. Indonesia (Sarawak in Borneo).

***Cryphalus sawadai* Nobuchi & Takahashi, 1965**

*Cryphalus sawadai* Nobuchi & Takahashi, 1965: 3.

Distribution. Japan.

***Cryphalus scabripennis* Schedl, 1972**

*Cryphalus scabripennis* Schedl, 1972b: 199.

Distribution. Indonesia (Sarawak in Borneo).

***Cryphalus schedli* Johnson, 2020**

*Hypocryphalus formosanus* Schedl, 1952b: 62; homonymized by Johnson *et al.*, 2020: 23.

*Cryphalus schedli* Johnson *In*: Johnson *et al.*, 2020: 23.

Distribution. China (Taiwan).

***Cryphalus scopiger* Berger, 1917\***

*Cryphalus scopiger* Berger, 1917: 228.

Distribution. China (Heilongjiang), Japan, Korea, Russia (Sakhalin Island, Siberia).

***Cryphalus securus* (Schedl, 1940)**

*Ericryphalus securus* Schedl, 1940: 436; designated by Schedl, 1962: 106.

Distribution. New Guinea.

***Cryphalus sejugatus* Schedl, 1965**

*Cryphalus sejugatus* Schedl, 1965: 54.

Distribution. Madagascar.

***Cryphalus sichotensis* Kurenzov, 1941**

*Cryphalus sichotensis* Kurenzov, 1941: 152.

Distribution. Japan (Hokkaido), Russia (Sakhalin Island).

***Cryphalus sidneyanus* (Nordlinger, 1856)**

*Bostrichus sidneyanus* Nordlinger, 1856: 75; designated by Gemminger & Harold, 1872: 2683.

Distribution. Australia.

***Cryphalus silvanus* Schedl, 1951**

*Cryphalus silvanus* Schedl, 1951: 145.

Distribution. Samoan Islands.

***Cryphalus similis* (Eggers, 1922)**

*Stephanoderes similis* Eggers, 1922: 168; designated by Schedl, 1939c: 383.

Distribution. Tanzania.

***Cryphalus simplex* (Schedl, 1939)**

*Ericryphalus simplex* Schedl, 1939a: 341; designated by Beeson, 1961:287.

Distribution. Malaysia.

***Cryphalus sinoabietis* Tsai & Li, 1963\***

*Cryphalus sinoabietis* Tsai & Li, 1963: 602, 604, 607, 622

*Cryphalus sinoabietis opienensis* Tsai & Li, 1963: 602, 604, 607, 622.

Distribution. China (Sichuan).

***Cryphalus solomonensis* Johnson, 2020**

*Margadillius terminaliae* Browne, 1984c: 450; homonymized by Johnson *et al.*, 2020: 24.

*Cryphalus solomonensis* Johnson In: Johnson *et al.*, 2020: 24.

Distribution. Solomon Islands.

***Cryphalus sordidus* (Nobuchi, 1975)**

*Taenioglyptes sordidus* Nobuchi, 1975: 51; designated by Nobuchi, 1985c: 15.

Distribution. Japan.

***Cryphalus sparsepilosus* Schedl, 1942**

*Cryphalus sparsepilosus* Schedl, 1942a: 172.

Distribution. Australia.

***Cryphalus spathulatus* (Schedl, 1938)**

*Hypocryphalus spathulatus* Schedl, 1938a: 49; designated by Johnson *et al.*, 2020: 24.

Distribution. Australia (Queensland).

***Cryphalus spissepilosus* Johnson, 2020**

*Cryphalus densepilosus* Schedl, 1943: 36; homonymized by Johnson *et al.*, 2020: 24.

*Cryphalus spissepilosus* Johnson In: Johnson *et al.*, 2020: 24.

Distribution. Indonesia (Java).

***Cryphalus squameus* Schedl, 1943**

*Cryphalus squameus* Schedl, 1943: 38.

Distribution. Indonesia (Borneo).

***Cryphalus squamulosus* Strohmeyer, 1911**

*Cryphalus squamulosus* Strohmeyer, 1911: 20.

Distribution. Philippine Islands (Mindoro).

***Cryphalus storckiellae* Johnson, 2020**

*Cryphalus striatus* Browne, 1974: 66; homonymized by Johnson *et al.*, 2020: 24.

*Cryphalus storckiellae* Johnson In: Johnson *et al.*, 2020: 24.

Distribution. Fiji Islands.

***Cryphalus striatulus* (Browne, 1978)**

*Hypothenemus striatulus* Browne, 1978: 576; designated by Johnson *et al.*, 2020: 24.

*Hypothenemus brownei* Beaver, 1991: 53; synonymized by Johnson *et al.*, 2020: 24.

Distribution. New Britain Island.

***Cryphalus striatus* (Hopkins, 1915)**

*Hypocryphalus striatus* Hopkins, 1915: 41; designated by Johnson *et al.*, 2020: 24.

Distribution. Fiji Islands.

***Cryphalus strigilatus* Wichmann, 1914**

*Cryphalus strigilatus* Wichmann, 1914: 137.

Distribution. Ethiopia, Kenya.

***Cryphalus strigipennis* Schedl, 1950**

*Cryphalus strigipennis* Schedl, 1950: 50.

Distribution. Fiji Islands.

***Cryphalus strohmeieri* Stebbing, 1914\***

*Cryphalus strohmeieri* Stebbing, 1914: 538.

*Cryphalus indicus* Stebbing, 1902: 403; synonymized by Stebbing, 1914: 538.

Distribution. China (Sichuan, Xizang, Yunnan), India (Bengal, Kashmir, Uttar Pradesh).

***Cryphalus subcompactus* Lea, 1910**

*Cryphalus subcompactus* Lea, 1910: 140.

Distribution. Australia (New South Wales, Queensland).

***Cryphalus subgranulatus* Schedl, 1943**

*Cryphalus subgranulatus* Schedl, 1943: 37.

Distribution. Philippine Islands (Mindoro).

***Cryphalus submuricatus* Eichhoff, 1878**

*Cryphalus submuricatus* Eichhoff, 1878a: 385.

*Cryphalus tuberculatus* Schedl, 1943: 37; synonymized by Johnson *et al.*, 2020: 24.

Distribution. Burma, India (Andaman Islands).

***Cryphalus substriatus* Schedl, 1942\***

*Cryphalus substriatus* Schedl, 1942a: 174.

Distribution. China (Yunnan), Malaysia, Vietnam, Srilanka.

***Cryphalus subtuberculatus* Schedl, 1942**

*Cryphalus subtuberculatus* Schedl, 1942a: 168.

Distribution. New Guinea.

***Cryphalus subvestitus* Schedl, 1959**

*Cryphalus subvestitus* Schedl, 1959: 482.

Distribution. Sri Lanka.

***Cryphalus sumatranus* (Schedl, 1939)**

*Hypocryphalus sumatranus* Schedl, 1939b: 38; designated by Johnson *et al.*, 2020: 24.

Distribution. Indonesia (Sumatra).

***Cryphalus sundaensis* Schedl, 1942**

*Cryphalus sundaensis* Schedl, 1942b: 14.

Distribution. Burma, Thailand, Indonesia (Java).

***Cryphalus sylvicola* (Perkins, 1900)**

*Hypothenemus sylvicola* Perkins, 1900: 181.

*Eriocryphalus henshawi* Hopkins, 1915: 38; synonymized by Schedl, 1941f: 111.

*Piperius pini* Hopkins, 1915: 39; synonymized by Schedl, 1963: 62.

*Cryphalus swezeyi* Schedl, 1942a: 147; synonymized by Wood, 1960: 23.

*Cryphalus dimorphus* Schedl, 1950: 38; synonymized by Beaver, 1991: 89.

*Cryphalus sylvicola obliquus* Schedl, 1950: 48; synonymized by Wood, 1960a: 23, 1989: 172.

Distribution. Cook Islands, Fiji Islands, Haw Islands, Micronesia (Caroline Islands, Gua Marianalslands), Niue Island, Philippine Island, Samoan Island.

***Cryphalus szechuanensis* Tsai & Li, 1963\***

*Cryphalus szechuanensis* Tsai & Li, 1963: 605, 614, 624.

*Cryphalus szechuanensis tehchangensis* Tsai & Li, 1963: 606, 615, 624.

Distribution. China (Sichuan).

***Cryphalus tabulaeformis* Tsai & Li, 1963\***

*Cryphalus tabulaeformis* Tsai & Li, 1963: 605, 609, 623.

*Cryphalus tabulaeformis chienzhuangensis* Tsai & Li, 1963: 605, 612, 623.

Distribution. China (Hebei, Shanxi, Shaanxi, Sichuan).

***Cryphalus taiwanus* Schedl, 1970\***

*Cryphalus taiwanus* Schedl, 1970: 359.

Distribution. China (Taiwan).

***Cryphalus takahashii* Johnson, 2020**

*Euptilius exiguus* Browne, 1984: 451; homonymized by Johnson *et al.*, 2020: 24.

*Cryphalus takahashii* Johnson In: Johnson *et al.*, 2020: 24.

Distribution. Indonesia (Celebes).

***Cryphalus tenuis* Schedl, 1942**

*Cryphalus tenuis* Schedl, 1942b: 16.

Distribution. Indonesia (Java), Malaysia.

***Cryphalus terminaliae* Browne, 1980**

*Cryphalus terminaliae* Browne, 1980b: 384.

Distribution. New Guinea.

***Cryphalus tetricus* (Schedl, 1940)**

*Ericryphalus tetricus* Schedl, 1940: 437; designated by Schedl, 1971a: 275.

*Cryphalus papuanus* Schedl, 1942a: 170; synonymized by Schedl, 1979a: 95.

*Cryphalus grayi* Schedl, 1968: 265; synonymized by Schedl, 1979a: 95.

*Ptilopodius brevis* Browne, 1970: 556; synonymized by Schedl, 1979q: 256.

Distribution. New Guinea.

***Cryphalus theobromae* Nunberg, 1956**

*Cryphalus theobromae* Nunberg, 1956: 208.

*Cryphalus horridus* Graham, 1908: 113; synonymized by Nunberg, 1956: 208.

Distribution. Africa (Ghana).

***Cryphalus triangularis* (Schedl, 1975)**

*Hypocryphalus triangularis* Schedl, 1975a: 351; designated by Johnson *et al.*, 2020: 24.

Distribution. New Guinea.

***Cryphalus trypanoides* Beeson, 1935**

*Cryphalus trypanoides* Beeson, 1935: 106.

Distribution. Hawaiian Islands, Marquesa Islands.

***Cryphalus trypanus* Sampson, 1914\***

*Cryphalus trypanus* Sampson, 1914: 383.

Distribution. China (Yunnan), Africa (Seychelles Islands).

***Cryphalus tutuilaensis* (Schedl, 1951)**

*Hypocryphalus tutuilaensis* Schedl, 1951: 147; designated by Johnson *et al.*, 2020: 24.

Distribution. Samoan Islands.

***Cryphalus uapouensis* (Beeson, 1935)**

*Ericryphalus uapouensis* Beeson, 1935: 107; designated by Beeson, 1938b.

Distribution. Marquesas Islands.

***Cryphalus upoluensis* Schedl, 1951**

*Cryphalus upoluensis* Schedl, 1951: 144.

Distribution. Samoan Islands.

***Cryphalus variolosus* Schedl, 1950**

*Cryphalus variolosus* Schedl, 1950: 49.

Distribution. Fiji Islands.

***Cryphalus vestitus* Blandford, 1895**

*Cryphalus vestitus* Blandford, 1895: 318.

Distribution. Sri Lanka.

***Cryphalus viburni* Stark, 1936\***

*Cryphalus viburni* Stark, 1936: 151.

Distribution. China (Shaanxi), Russia.

***Cryphalus vitiensis* Browne, 1974**

*Cryphalus vitiensis* Browne, 1974: 67.

Distribution. Fiji Islands.

***Cryphalus walkeri* (Blandford, 1896)**

*Cryptarthrum walkeri* Blandford, 1896: 200; designated by Schedl, 1963: 62.

*Coccotrypes hagedorni* Eggers, 1908: 216; synonymized by Schedl, 1963: 62.

*Cryphalus javanus* Schedl, 1954: 148; synonymized by Schedl, 1958k: 153.

*Cryphalus mekeoi* Schedl, 1972c: 61; synonymized by Schedl, 1979b: 126.

Distribution. Malaysia, Vietnam, Australia (Victoria), Indonesia (Damma, Java, Sumatra), Philippine Islands (Luzon, Mindanao, Mindoro).

***Cryphalus wapleri* Eichhoff, 1872**

*Cryphalus wapleri* Eichhoff, 1872: 131.

Distribution. Australia (Queensland), New Guinea.

***Cryphalus yamaguchii* Inouye & Nobuchi, 1957**

*Cryphalus yamaguchii* Inouye & Nobuchi, 1957: 55.

Distribution. Japan.

***Cryphalus zimmermani* Schedl, 1950**

*Cryphalus zimmermani* Schedl, 1950: 51.

Distribution. Fiji Islands.

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