

Tribe Promecothecini Chapuis 1875

Promecothecites Chapuis 1875: 300. Handlirsch 1925: 666 (classification); Gressitt 1950: 81 (China species).

Promecothecini Chapuis. Würmli 1975a: 45 (genera); Bouchard et al. 2011: 78, 518 (nomenclature); Liao et al. 2015: 162 (host plants).

Promecothecini Weise 1911a: 78. Weise 1911b: 81 (redescription); Zacher 1913: 103 (key); Handlirsch 1925: 666 (classification); Uhmann 1931i: 848 (museum list), 1940g: 121 (claws), 1951a: 31 (museum list), 1958e: 222 (catalog), 1959d: 8 (scutellum), 1964a: 458 (catalog), 1964(1965): 241 (faunal list), 1966d: 275 (note); Bryant 1936: 256 (faunal list); Liu 1936: 249 (China species); Wu 1937: 912 (faunal list); Gressitt 1939c: 133 (distribution), 1957b: 279 (South Pacific species), 1970: 71 (Fiji species); Gressitt & Kimoto 1963a: 905 (China species); Seeno & Wilcox 1982: 164 (catalog); Jolivet 1988b: 13 (host plants), 1989b: 310 (host plants); Jolivet & Hawkeswood 1995: 154 (host plants); Cox 1996a: 172 (pupae); Mohamedsaid 2004: 169 (Malaysian species); Staines 2004a: 317 (host plants); Chaboo 2007: 183 (phylogeny).

Type genus: *Promecotheca* Blanchard.

***Promecispa* Weise 1909**

*Promecispa* Weise 1909: 112. Type species: *Promecispa voeltzkowi* Weise 1909 by monotypy. Weise 1910d: 442, 501 (faunal list), 1911a: 53 (catalog), 1911b: 80 (redescription); Uhmann 1931i: 848 (museum list), 1958e: 223 (catalog); Würmli 1975a: 46 (genera); Seeno & Wilcox 1982: 164 (catalog).

*Promecispa voeltzkowi* Weise 1909

*Promecispa voeltzkowi* Weise 1909: 112 (type: Madagascar, Kinkuni, ZMHB). Weise 1910d: 442, 501 (faunal list), 1911a: 53 (catalog), 1911b: 80 (catalog); Uhmann 1931i: 848 (type), 1958e: 223 (catalog).

Distribution. Madagascar.

Food plant. Unknown.

***Promecotheca* Blanchard 1853**

*Promecotheca* Dejean 1837: 387 Nomen Nudum. Guérin-Méneville 1840b: 334 (note).

*Promecotheca* Blanchard 1853: 312. Type species: *Hispa cyanipes* Erichson 1834, designated by Baly 1858. Baly 1858: 87 (redescription), 1869b: 374 (note); Chenu & Desmarest 1870: 341 (noted); Chapuis 1875: 300 (redescription), 1876: xxii (faunal list); Gemminger & Harold 1876: 3609 (catalog); Chenu 1884: 341 (note); Donckier 1899: 569 (catalog); Gestro 1901b: 436 (note), 1917: 406 (faunal list); Weise 1911a: 53 (catalog), 1911b: 80 (redescription), 1922b: 70 (noted); Zacher 1913: 103 (key); Schultze 1916: 100 (faunal list); Leefmans 1927b: 3 (noted); Aldaba 1930: 145 (note); Ferrière 1931: 291 (parasite); Speyer 1932: 225 (note); Liu 1936: 250 (China species); Wu 1937: 912 (faunal list); Lever 1939: 17 (noted); Clausen 1940: 118, 148, 196 (parasites); Esaki 1940: 409 (pest status), 1940b: 276 (pest status); Lepesme 1947: 554 (key, host plants); Gressitt 1950: 81 (China species), 1957b: 279 (South Pacific species), 1959a: 72 (host plants), 1959b: 121 (summary), 1960a: 73 (New Guinea species), 1961: 82 (biogeography), 1963b: 6 (zoogeography), 1982: 712 (ecology); Risbec 1950a: 378 (note); Uhmann 1951a: 31 (museum list), 1958e: 223 (catalog), 1964a: 458 (catalog); Speyer 1954: 369 (pest

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species); Bryant & Gressitt 1957: 89 (Fiji species); Gressitt & Kimoto 1963a: 905 (China species); Würmli 1975a: 47 (genera); Seeno & Wilcox 1982: 164 (catalog); Jolivet 1989b: 310 (host plants), 1997: 82, 97, 142 (note); Cox 1994b: 446, 447, 448, 449 (parasites), 1996b: 80, 81 (predators); Jolivet & Hawkeswood 1995: 154 (host plants); Staines 1997b: 418 (Uhmann species list); Staines & Staines 1999: 526 (Baly species list); Mohamedsaid 2004: 169 (Malaysian species); Peng et al. 2004: 44 (noted); Santiago-Blay 2004: 76 (host plants); Staines 2004a: 317 (host plants), 2005: 48 (Spaeth species list); Ballentes et al. 2006: 53 (faunal list); Chaboo 2007: 46 (note); Flowers & Chaboo 2009: 6 (noted).

*Freycinetispa* Gressitt 1960a: 71. Type species: *Freycinetispa collinsi* Gressitt, by monotypy. Uhmann 1964a: 461 (catalog); Santiago-Blay 2004: 64 (host plants).

#### *Promecotheca alpiniae* Maulik 1929b

*Promecotheca alpiniae* Maulik 1929b: 238 (type: Solomon Islands, Malaita, BMNH). Maulik 1937: 149 (host plant); Uhmann 1951a: 34 (note), 1958e: 223 (catalog), 1964a: 458 (catalog); Kalshoven 1957: 9 (host plant); Santiago-Blay 2004: 75 (host plants); Staines 2004a: 317 (host plants); Maddison & Crosby 2009: 12 (host plant).

*Promecotheca alpiniae alpiniae* Maulik. Gressitt 1957b: 294 (South Pacific species), 1960a: 84 (New Guinea species); Uhmann 1964a: 458 (catalog).

*Promecotheca alpiniae robusta* Gressitt 1957b: 294 (type: Guadalcanal, Gold Ridge, CASC). Gressitt 1960a: 84 (larva); Uhmann 1964a: 458 (catalog); Staines 2004a: 317 (host plants).

Distribution. Solomon Islands (Guadalcanal).

Food plants. *Alpinia* sp. (Zingiberaceae) (Maulik 1929b); *Heliconia* sp. (Heliconiaceae) (Gressitt 1957b).

#### *Promecotheca apicalis* Weise 1911c

*Promecotheca apicalis* Weise 1911c: 53 (type: Philippines, Ticao, IRRI?). Weise 1911a: 53 (catalog), 1911b: 80 (catalog), 1913: 237 (faunal list), 1922b: 70 (key); Schultze 1916: 100 (faunal list); Gestro 1917: 406 (faunal list), 1922: 101 (faunal list); Uhmann 1958e: 223 (catalog), 1964(1965): 241 (faunal list).

Distribution. Philippines (Ticao).

Food plant. Unknown.

#### *Promecotheca bicolor* Maulik 1927

*Promecotheca bicolor* Maulik 1927: 107 (type: Fiji, Suva, BMNH). Ferrière 1933: 99 (parasites); Taylor 1937: 13 (note); Lepesme 1947: 556 (host plant); Uhmann 1951a: 37 (catalog), 1958e: 223 (catalog), 1964a: 458 (catalog); Thompson 1954: 310 (parasites); Bryant & Gressitt 1957: 90 (Fiji species); Gressitt 1957b: 295 (South Pacific species); Santiago-Blay 2004: 75 (host plants); Maddison & Crosby 2009: 9 (host plant).

Distribution. Fiji.

Food plant. *Flagellaria* sp. (Flagellariaceae) (Maulik 1927).



Promecotheca alpinae

Promecotheca bicolor

Promecotheca bryanti

Promecotheca caeruleipennis



Promecotheca callosa

Promecotheca cumingii

Promecotheca cyanipes

Promecotheca guadala

*Promecotheca bryanti* Gressitt 1960a

*Promecotheca bryanti* Gressitt 1960a: 76 (type: New Guinea, Andalimu-Ngarafata, BPBM). Uhmann 1964a: 458 (catalog); Maddison 1993: 86 (host plant); Santiago-Blay 2004: 75 (host plants).

Distribution. Solomon Islands (Malaita).

Food plant. *Pandanus* (*Bryantia*) sp. (Pandanaceae) (Gressitt 1960a).

*Promecotheca caeruleipennis* Blanchard 1853

*Promecotheca caeruleipennis* Blanchard 1853: 312 (type: Tonga, NMNH?). Baly 1858: 89 (redescription); Weise 1911a: 53 (catalog), 1911b: 81 (catalog), 1922b: 70 (noted);

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Maulik 1919: 11 (India species), 1937: 149 (host plants); Corbett 1923: 1 (host plant); Bryant & Gressitt 1957: 90 (Fiji species); Gressitt 1957a: 258 (Samoa species), 1957b: 296 (South Pacific species), 1959b: 121 (note); Uhmann 1958e: 223 (catalog), 1964a: 458 (catalog), 1964(1965): 255 (faunal list); Kami & Miller 1998: 12 (faunal list); Cox 2004: 370 (flight); Santiago-Blay 2004: 75 (host plants); Rethinam & Shingh 2007: 3 (noted).

*Promecotheca coeruleipennis* Blanchard (sic). Gemminger & Harold 1876: 3609 (lapsus calami, catalog); Donckier 1899: 569 (catalog); Froggatt 1914a: 150 (pest status), 1914b: 36 (biology); Gestro 1919: 342 (note); Weise 1922b: 70 (key); Bryant 1925: 591 (faunal list); Speyer 1932: 225 (note); Maulik 1937: 149 (host plant); Lepesme 1947: 557 (host plants); Risbec 1950a: 380 (host plants); Speyer 1954: 370 (note); Johnston 1965: 14 (pest list); Lever 1969: 98 (biology); Delucchi 1971: 832 (noted); Rao 1971: 13 (biology); Balock 1972: 29 (note); Wood 1976: 336 (biology); Clausen 1978: 253 (biological control); Mariau 1988: 457 (parasites), 1999: 234 (note), 2001: 135 (note); Hespenheide 1991: 552 (note); Howard & Abad 2001: 87 (host plants).

*Promecotheca reichei* Baly 1869b: 364 (type: Tonga, Vavao, BMNH). Gemminger & Harold 1876: 3609 (catalog); Donckier 1899: 569 (catalog); Weise 1911a: 54 (catalog), 1911b: 81 (catalog); Zacher 1913: 102 (biology); Simmonds 1921: 91 (damage), 1921b: 41 (noted), 1922a: 19, 21 (pest status), 1922b: 22 (pest status), 1922c: 25 (biology); Waterston 1923: 186 (parasite); Corbett 1923: 1 (host plant); Bryant 1925: 591 (faunal list); Brugiroux 1928: 400 (noted); Maulik 1929c: 211 (biology); Lever 1931: 77 (noted), 1939: 19 (parasite), 1942: 24 (noted), 1943: 92 (noted), 1945: 370 (note); Speyer 1932: 226 (note); Ferrière 1933: 92 (parasites); Taylor 1937: 17 (biology); Maulik 1937: 150 (host plant); Clausen 1940: 135 (parasites), 1958: 294 (biological control); Swezey 1941: 28 (noted); Esaki 1943: 271 (pest status); Lepesme 1947: 562 (host plant); O'Connor 1949: 50 (biology); Cochic 1950: 8 (damage); Risbec 1950a: 380 (host plants); Jolivet & Théodoridès 1951: 33 (parasites); O'Connor 1953: 287 (biological control); Dumberton 1954: 18 (host plant); Gressitt 1959b: 121 (note); DeBach 1962: 72 (biological control); Johnston 1965: 14 (pest list); Hinton 1981: 677 (egg); Mann & Crowson 1983b: 2 (noted), 1985a: 79 (male genitalia); Godfray & Hassell 1989: 158 (note); Kami & Miller 1998: 12 (faunal list); Godfray & Chan 1990: 334 (pest status); Jolivet 1997: 91, 95 (note); Mariau 1999: 234 (note), 2001: 135 (note); Staines & Staines 1999: 527 (Baly species list); Jolivet & Verma 2002: 62 (note); Santiago-Blay 2004: 76 (host plants); Chaboo 2007: 20 (note).

*Promecotheca coeruleipennis reichei* Baly (sic). Weise 1922b: 70 (lapsus calami, key); Greenwood 1940: 215 (host plants); Kalshoven 1957: 9 (host plant); Uhmann 1964(1965): 255 (faunal list); Santiago-Blay & Fain 1994: 408, 409 (mites).

*Promecotheca caeruleipennis reichi* Baly. Uhmann 1951a: 35 (noted), 1958e: 224 (catalog), 1964a: 458 (catalog).

*Promecotheca lindingeri* Aulmann 1914: 27 (type: Samoa, ZMHB). Zacher 1915: 422; Maulik 1929: 210 (synonymy); Speyer 1932: 225 (note), 1954: 371 (note); Lepesme 1947: 559 (host plants); Risbec 1950a: 380 (host plants); Uhmann 1951a: 38 (catalog); Johnston 1965: 14 (pest list); Mariau 1999: 234 (note), 2001: 135 (note); Santiago-Blay 2004: 75 (host plants).

*Promecotheca reichei* Maulik 1929: 210 (type: Samoa, BMNH). Speyer 1954: 371 (biology); Thompson 1954: 296, 310 (parasites); Thompson & Simmonds 1964: 35 (predators); Selman 1994: 69 (eggs).

Distribution. Fiji, Philippines, Samoa, Solomon Islands, Tonga.

Food plants. *Cocos nucifera* L. (Froggatt 1914a); *Pritchardia pacifica* Seem. et Wendl., *Livistona* sp. (Taylor 1937) (Arecaceae).

#### *Promecotheca callosa* Baly 1876

*Promecotheca callosa* Baly 1876: 128 (type: Australia, Port Essington, BMNH). Donckier 1899: 569 (catalog); Weise 1911a: 53 (catalog), 1911b: 80 (catalog), 1913d: 442 (faunal list), 1922b: 70 (key); Froggatt 1914a: 151 (pest status); Mjöberg 1917: 18 (note); Gestro 1919: 342 (note); Uhmann 1928b: 61 (faunal list), 1951a: 35 (note), 1958e: 224 (catalog), 1964a: 458 (catalog); Taylor 1937: 13 (note); Lepesme 1947: 557 (host plant); Risbec 1950a: 380 (host plants); Gressitt 1957b: 292 (South Pacific species), 1960a: 83 (New Guinea species); Kalshoven 1957: 9 (host plant); Mariau 1999: 234 (note), 2001: 135 (note); Staines & Staines 1999: 526 (Baly species list); Howard & Abad 2001: 87 (host plants); Hawkeswood 2003: 186 (food plants); Santiago-Blay 2004: 75 (host plants).

*Promecotheca callosa callosa* Baly. Gressitt 1963: 666 (New Guinea species).

*Promecotheca callosa major* Gressitt 1963: 666 (type: New Guinea, Karimui, BPBM). Maddison 1993: 86 (host plant); Staines & Staines 1997: 5 (types).

Distribution. Australia (Queensland), New Guinea.

Food plants. Palms (Froggatt 1914a); *Cocos nucifera* L. (Lepesme 1947) (Arecaceae); *Pandanus* sp. (Pandanaceae) (Gressitt 1963).

#### *Promecotheca collinsi* (Gressitt 1960a)

*Freycinetispa collinsi* Gressitt 1960a: 71 (type: Solomon Islands, Kolombangara, BPBM).

Uhmann 1964a: 461 (catalog); Santiago-Blay 2004: 64 (host plants).

*Promecotheca collinsi* (Gressitt).

Distribution. Solomon Islands (Kolombangara).

Food plant. *Freycinetia* sp. (Pandanaceae) (Gressitt 1960a).

#### *Promecotheca cumingii* Baly 1858

*Promecotheca cumingii* Baly 1858: 88 (type: Philippine Islands, BMNH, ISNB). Chapuis 1876: xxii (faunal list); Gestro 1909(1910): 147 (faunal list), 1917: 406 (faunal list), 1919: 344 (note), 1922: 101 (faunal list); Weise 1911a: 53 (catalog), 1911b: 80 (catalog); Jones 1913a: 105 (biology), 1913b: 127 (biology); Burkhill 1918: 3 (predator); Dammerman 1919: 87 (host plant); Maulik 1919: 17 (India species); Corbett 1923: 1 (host plant); Celino 1930: 253 (pathogen), 1932: 481 (pathogen); Aldaba 1931: 51 (biology); Aldaba et al. 1931: 69 (biology); Vargas 1931: 189 (biology); Stevens 1932: 80 (damage); Gonzales 1935: 365 (biology); Gressitt 1939c: 133 (distribution), 1959b: 122 (note); Lepesme 1947: 559 (host plant); Kalshoven 1951: 756 (biology), 1957: 9 (host plant), 1981: 454 (host plant); Lever 1951: 79 (biology); Uhmann 1951a: 35 (note), 1958e: 224 (catalog), 1964a: 458 (catalog), 1964(1965): 241 (faunal list); Jolivet & Théodoridès 1953: 9 (parasites); Kerrich 1974: 635 (parasites); Ming 1975: 200 (pest status); Bouček 1976: 678 (parasites), 1988: 703 (parasites); Würmli 1976e: 363 (distribution); Chong et al. 1982: 40 (biology); Gallego et al. 1983: 471 (parasites); Gallego 1986: 4 (parasites);

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Gallego & Gallego 1988: 39 (pathogen); Mariau 1988: 457 (parasites); Booth et al. 1990: 155 (note); Gallego 1990: 24 (control); L. Medvedev 1995: 19 (distribution); Cox 1996a: 172 (pupa); Staines & Staines 1999: 526 (Baly species list); Mohamedsaid 2000a: 358 (faunal list), 2004: 169 (Malaysian species); Quicke & Polaszek 2000: 106 (parasites); Howard & Abad 2001: 88 (host plants); Mariau 2001: 135 (note); Hosang et al. 2004: 39 (parasites); Ooi 2004: 29 (control); Santiago-Blay 2004: 75 (host plants); Rethinam & Shingh 2007: 3 (noted); Sivapragasam & Hong 2007: 56 (pest status); Ochoa et al. 2008: 36 (pest status); Basavaraju et al. 2010: 4 (invasion); Shameem & Prathapan 2013: 2 (noted).

*Promecotheca cumingi* Baly (sic). Gemminger & Harold 1876: 3609 (lapsus calami, catalog); Donckier 1899: 569 (catalog); Weise 1913: 237 (faunal list), 1922b: 70 (key); Schultze 1916: 100 (faunal list); Merino 1920: 118 (noted); Gater 1925: 160 (noted); Uhmann 1928b: 61 (faunal list), 1930-1932: 40 (note), 1933a: 67 (faunal list), 1935g: 145 (faunal list); Dammerman 1929: 91 (biology); Maulik 1929a: 83 (comparative note), 1937: 149 (host plant); Reyes 1932: 419 (pathogen); Speyer 1932: 225 (note), 1954: 370 (biology); Uichanco 1934: 423 (noted); Otanes 1940: 388 (noted); Esaki 1943: 271 (pest status); Lever 1951: 78 (distribution), 1969: 105 (biology); Thompson 1954: 273, 294 (parasites); Wood 1968: 147 (biology); Johnston 1965: 14 (pest list); Baltazar 1968: 221 (faunal list); Fernando 1972a: 116 (biological control), 1972b: 152 (biological control); Reddy 1972: 143 (pest status); Ding 1976: 200 (biology); Simmonds 1976: 327 (parasites); Woodruff 1979: 52 (noted); Kanagaratnam & Silva 1987: 26 (control); Fong 1990: 102 (noted). Dharmadhikari et al. 1977: 3 (biological control); Mathur et al. 1984: 91 (biology); Hespenheide 1991: 552 (note); Zaka-Ur-Rab 1991: 24 (biology); L. Medvedev 1995: 19 (distribution); Mariau 1999: 234 (note); Cox 2004: 370 (flight); Chaboo 2007: 39 (note); Verheyen 2010: 15 (noted).

*Promecotheca comingi* Baly (sic). Aldaba 1930: 145 (lapsus calami, biology).

*Promecotheca trilbyi* Thomson 1856: 117 (type: China, MNHN?). Baly 1858: 89 (note); Gemminger & Harold 1876: 3609 (catalog); Donckier 1899: 570 (catalog); Weise 1911a: 54 (catalog), 1911b: 80 (catalog); Liu 1936: 252 (China species); Wu 1937: 912 (faunal list); Gressitt 1950: 82 (China species).

*Promecotheca cummingi trilbyi* Thomson (sic). Weise 1922b: 71 (lapsus calami, key); Gressitt & Kimoto 1963a: 905 (China species)

*Promecotheca cyanipes trilbyi* Thomson. Weise 1922b: 71 (key); Uhmann 1958e: 226 (catalog); Gressitt & Kimoto 1963a: 905 (China species).

Distribution. China, Indonesia (Borneo, Celebes, Java), Malaysia, Philippines (Leyte, Luzon, Mindanao, Palawan, Samar), Singapore, Sri Lanka.

Food plants. *Cocos nucifera* L. (Schultze 1915); *Nipa* sp., *Metroxylon* sp. (Kalshoven 1951); *Caryola* sp. (Lepesme 1947); *Oreodoxa regia* Kth. (Zaka-Ur-Rab 1991) (Arecaceae).

#### *Promecotheca cyanipes* (Erichson 1834)

*Hispa cyanipes* Erichson 1834: 270 (type: Philippines, ZMHB?).

*Promecotheca cyanipes* (Erichson). Baly 1858: 87 (transfer); Chapuis 1876: xxiii (faunal list); Gemminger & Harold 1876: 3609 (catalog); Donckier 1899: 569 (catalog); Gestro 1901b: 436 (note), 1917: 407 (faunal list), 1922: 101 (faunal list); Weise 1911a: 53 (catalog), 1911b: 80 (catalog), 1922b: 71 (key); Schultze 1916: 100 (faunal list); Uhmann 1930-1932: 38 (redescription), 1931f: 225 (museum list), 1933a: 67 (faunal list), 1951a: 35

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(note), 1958e: 225 (catalog), 1964(1965): 241 (faunal list); Kalshoven 1957: 10 (host plant); Hua 2002: 294 (faunal list); Santiago-Blay 2004: 75 (host plants).

*Hispa* (*Strophosoma*) *flava* Desmarest 1841: 322 (type: Philippines, Manila, MNHN?). Gestro 1900: 436 (synonymy?), 1917: 407 (synonymy).

*Promecotheca scorpio* Thomson 1856: 117 (type: Philippines, depository unknown). Baly 1858: 89 (note); Chapuis 1876: xxiii (faunal list); Gemminger & Harold 1876: 3609 (catalog); Donckier 1899: 570 (catalog); Weise 1911a: 54 (catalog), 1911b: 80 (catalog); Schultze 1916: 100 (faunal list); Gestro 1917: 408 (faunal list), 1922: 101 (faunal list).

*Promecotheca cyanipes scorpio* Thomson. Weise 1911c: 76 (note), 1922b: 71 (key); Uhmann 1951a: 35 (note), 1958e: 226 (catalog), 1964(1965): 242 (faunal list), 1966c: 320 (faunal list).

Distribution. China, Philippines (Bucas, Luzon, Mindanao, Panaon, Panay, Polillo, Tawi).

Food plant. *Cocos* sp. (Arecaceae) (Kalshoven 1957).

#### *Promecotheca freycinetiae* Gressitt 1960a

*Promecotheca freycinetiae* Gressitt 1960a: 79 (type: Solomon Islands, Biak Island, BPBM). Gressitt 1963: 668 (faunal list); Uhmann 1964a: 459 (catalog); Würmli 1976e: 365 (distribution); Santiago-Blay 2004: 75 (host plants).

Distribution. Solomon Islands (Biak).

Food plant. *Freycinetia* sp. (Pandanaceae) (Gressitt 1960).

#### *Promecotheca guadala* Maulik 1932

*Promecotheca guadala* Maulik 1932: 204 (type: Solomon Islands, Guadalcanal, Teteri, BMNH). Maulik 1937: 150 (host plant); Spaeth 1937b: 28 (comparative note); Lepesme 1947: 559 (host plant); Uhmann 1951a: 34 (note), 1958e: 226 (catalog), 1964a: 459 (catalog); Gressitt 1957b: 284 (South Pacific species, biology), 1960a: 76 (New Guinea species); Howard & Abad 2001: 88 (host plants); Santiago-Blay 2004: 75 (host plants).

Distribution. Solomon Islands (Guadalcanal).

Food plants. *Ptychosperma* sp. (Maulik 1932); *Balaka* sp. (Gressitt 1957b) (Arecaceae).

#### *Promecotheca kolombangara* Gressitt 1957b

*Promecotheca kolombangara* Gressitt 1957b: 286 (type: Solomon Islands, Kolombangara Island, BMNH). Gressitt 1960a: 76 (pupa); Uhmann 1964a: 459 (catalog); Maddison 1993: 87 (host plant); Santiago-Blay 2004: 75 (host plants).

Distribution. Solomon Islands (Kolombangara).

Food plant. *Balaka* (*Ptychosperma*) sp. (Arecaceae) (Gressitt 1960); *Pandanus* sp. (Maddison 1993) (Pandanaceae).

#### *Promecotheca leveri* Spaeth 1937b

*Promecotheca leveri* Spaeth 1937b: 27 (type: Solomon Islands, BMNH). Uhmann 1951a: 34 (note), 1958e: 226 (catalog), 1964a: 459 (catalog); Santiago-Blay 2004: 75 (host plants); Staines 2005: 48 (Spaeth species list).

*Promecotheca leveri leveri* Spaeth. Gressitt 1957b: 298 (South Pacific species), 1960a: 75 (New Guinea species); Howard & Abad 2001: 88 (host plants).

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*Promecotheca leveri bougainvilleana* Gressitt 1957b: 298 (type: Solomon Islands, Bougainville, Boku, SE of Empress Augusta Bay, BPBM). Gressitt 1960a: 75 (New Guinea species); Uhmann 1964a: 459 (catalog); Würmli 1976e: 365 (distribution); Staines & Staines 1997: 12 (types); Howard & Abad 2001: 88 (host plants); Steiner 2001: 83 (host plants). Distribution. Solomon Islands (Bougainville, Ysabel). Food plants. *Areca* sp., *Balaka* (?) sp., *Calamus* sp. (Arecaceae) (Gressitt 1957b).

*Promecotheca nuciferae* Maulik 1929a

*Promecotheca nuciferae* Maulik 1929a: 81 (type: Indonesia, Celebes, Gorontalo, BMNH). Maulik 1937: 150 (host plants); Taylor 1937: 147 (biology); Clausen 1940: 138 (parasites); Lepesme 1947: 560 (host plants); Risbec 1950a: 380 (host plants); Jolivet & Théodoridès 1951: 32 (parasites); Uhmann 1951a: 38 (catalog), 1958e: 226 (catalog), 1960c: 24 (faunal list), 1964a: 459 (catalog); Speyer 1954: 371 (host plants); Thompson 1954: 272, 273, 276, 295, 296 (parasites); Gressitt 1957b: 298 (South Pacific species), 1959b: 122 (note); Kalshoven 1957: 10 (host plant); Johnston 1965: 14 (pest list); Cox 1996a: 172 (pupa); Mariau 1999: 234 (note), 2001: 135 (note); Santiago-Blay 2004: 75 (host plants). Distribution. Indonesia (Celebes, Java), Moluccas. Food plants. *Cocos nucifera* L. (Maulik 1929); *Areca catechu* L., *Phytelephas macrocarpa* Ruiz. & Pav., *Phoenix* sp. (Speyer 1954) (Arecaceae).

*Promecotheca octostriata* Chapuis 1876

*Promecotheca octostriata* Chapuis 1876: xxiii (type: Philippines, Bohol, ISBN). Weise 1911a: 53 (catalog), 1911b: 80 (catalog), 1922b: 70 (key); Schultze 1916: 100 (faunal list); Gestro 1917: 408 (faunal list), 1922: 101 (faunal list); Uhmann 1933a: 67 (faunal list), 1958e: 226 (catalog), 1964(1965): 242 (faunal list). Distribution. Philippines (Bohol, Mindanao). Food plant. Unknown.

*Promecotheca oenoptera* Uhmann 1930-1932

*Promecotheca oenoptera* Uhmann 1930-1932: 39 (type: Philippines, Mindanao, Surigao, DEI). Uhmann 1933a: 67 (faunal list), 1951a: 38 (catalog), 1958e: 226 (catalog), 1964(1965): 255 (faunal list); Gaedike & Döbler 1971: 383 (types); Staines 1997b: 418 (Uhmann species list). Distribution. Philippines (Dinagat, Mindanao). Food plant. Unknown.

*Promecotheca opacicollis* Gestro 1897b

*Promecotheca opacicollis* Gestro 1897b: 121 (type: Nuove Ebridi, MCSN). Donckier 1899: 569 (catalog); Preuss 1911: 80 (biology); Weise 1911a: 53 (catalog), 1911b: 81 (catalog), 1922b: 71 (key); Reh 1913: 532 (note); Zacher 1913: 102 (biology); Frogatt 1914a: 149 (pest status), 1914b: 31 (biology); Kowalski 1917: 288 (biology); Gestro 1919: 342 (note); Freiderichs 1920: 142 (biology); Corbett 1923: 1 (host plant); Lever 1934: 18 (parasites); Dammerman 1929: 91 (note); Aldaba 1930: 145 (note); Speyer 1932: 226 (note); Lever 1933b: 11 (biology); Risbec 1935: 162 (biology), 1937a: 27 (immature), 1937b: 162 (biology), 1950a: 380 (host plants); Bryant 1936: 256 (faunal list); Maulik

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1937: 150 (host plant); Esaki 1943: 271 (pest status); Lepesme 1947: 560 (host plants); Uhmann 1951a: 34 (note), 1958e: 226 (catalog), 1964a: 459 (catalog); Dumberton 1954: 18 (host plant); Speyer 1954: 371 (host plants); Jolivet & Théodoridès 1951: 32 (parasites); Thompson 1954: 283 (parasites); Gressitt 1957b: 290 (South Pacific species), 1959b: 121 (note), 1960a: 82 (New Guinea species), 1963c: 62 (pest status); Kalshoven 1957: 10 (host plant); Descarpentries & Villiers 1959b: 502 (types); Greenslade 1965: 661 (distribution); Johnston 1965: 14 (pest list); Lever 1969: 104 (biology); Clausen 1978: 254 (biological control); Bouček 1988: 725 (parasites); Mariau 1988: 458 (parasites), 2001: 135 (note); Waterhouse 1997: 13 (pest status); Howard & Abad 2001: 88 (host plants); Santiago-Blay 2004: 76 (host plants).

Distribution. New Hebrides.

Food plants. *Cocos nucifera* L. (Maulik 1919); *Areca catechu* L., *Phoenix* sp., *Phytelephas macrocarpa* Ruiz. et Pav., *Ravenala madagascariensis* Gmel. (Lepesme 1947) (Arecaceae).

#### *Promecotheca palmella* Gressitt 1960a

*Promecotheca palmella* Gressitt 1960a: 78 (type: Solomon Islands, New Georgia Island, BPBM). Uhmann 1964a: 459 (catalog); Gaedike & Döbler 1971: 383 (types); Santiago-Blay 2004: 76 (host plants).

Distribution. Solomon Islands (New Georgia).

Food plant. Small pinnate palm (Arecaceae) (Gressitt 1960a).

#### *Promecotheca palmivora* Gressitt 1960a

*Promecotheca palmivora* Gressitt 1960a: 80 (type: New Guinea, Cyclops Mts., BPBM). Gressitt 1963: 668 (New Guinea species); Uhmann 1964a: 459 (catalog); Santiago-Blay 2004: 76 (host plants).

Distribution. New Guinea.

Food plant. Palm (Arecaceae) (Gressitt 1960).

#### *Promecotheca pandani* Gressitt 1960a

*Promecotheca pandani* Gressitt 1960a: 82 (type: New Guinea, Adelbert Mts., BPBM). Gressitt 1963: 667 (New Guinea species); Uhmann 1964a: 459 (catalog); Maddison 1993: 87 (host plant); Gaedike & Döbler 1971: 384 (types); Santiago-Blay 2004: 76 (host plants). Distribution. New Guinea.

Food plant. *Pandanus* sp. (Pandanaceae) (Gressitt 1960).

#### *Promecotheca papuana* Csiki 1900

*Promecotheca papuana* Csiki 1900: 80 (type: Simbang, Huon Gulf, HNHM). Gestro 1907: 83 (museum list); Weise 1911a: 53 (catalog), 1911b: 81 (catalog); Heller 1934: 31 (faunal list); Uhmann 1935c: 164 (nomenclature), 1951a: 34 (note), 1958e: 227 (catalog), 1964a: 459 (catalog); O'Connor 1940: 20 (parasites); Froggatt & O'Connor 1941: 125 (biology); Lepesme 1947: 561 (host plants); Jolivet & Théodoridès 1951: 32 (parasites); Dumberton 1954: 18 (host plant); Thompson 1954: 283 (parasite); Gressitt 1957b: 287 (South Pacific species), 1958: 747 (ecology), 1959b: 119 (biology), 1960a: 82 (New Guinea species), 1963: 668 (New Guinea species), 1963c: 61 (pest status), 1982: 712 (ecology); Kalshoven 1957: 10 (host plant), 1981: 456 (note); DeBach 1962: 72 (biological control);

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Thompson & Simmonds 1964: 35 (predator); Johnston 1965: 14 (pest list); Lever 1969: 102 (biology); Baloch 1972: 27 (pest status); Hassan 1972: 133 (natural enemies); Kerrich 1974: 636 (parasites); Clausen 1978: 254 (biological control); Prior & Perry 1980: 14 (pathogen); Bouček 1988: 725 (parasite); Fong 1990: 102 (noted); Samuelson 1996: 290 (morphology); Conner & Taverner 1997: 9 (note); Mariau 1999: 234 (note), 2001: 135 (note); Howard & Abad 2001: 88 (host plants); Cox 2004: 370 (flight); Santiago-Blay 2004: 76 (host plants); French 2006: 74 (host plants); Chaboo 2007: 151 (phylogeny); Rethinam & Shingh 2007: 3 (noted).

*Promecotheca biroi* Csiki 1900a: 196 (type: Tamai, Cretin Island, HNHM). Gestro 1907: 83 (museum list); Weise 1911a: 53 (catalog), 1911b: 81 (catalog); Gressitt 1958: 747 (ecology), 1959b: 119 (ecology).

*Promecotheca papuana biroi* Csiki. Uhmann 1935c: 164 (status), 1958e: 227 (catalog).

*Promecotheca antiqua* Weise 1905g: 97 (type: New Britain, Gazelle-Halbinsel, Herbertshohe, ZMHB). Gestro 1907: 83 (museum list), 1919: 342 (note); Preuss 1911: 81 (biology); Weise 1911a: 53 (catalog), 1911b: 81 (catalog), 1922b: 71 (key); Reh 1913: 532 (note); Zacher 1913: 102 (biology); Froggatt 1914a: 151 (pest status), 1914b: 35 (biology), 1937: 21 (biology); Freiderichs 1920: 142 (biology); Corbett 1923: 1 (host plant); Frost 1924: 464 (host plant); Pic 1924a: 3 (note); Dammerman 1929: 91 (note); Speyer 1932: 225 (note), 1954: 369 (host plant); Uhmann 1935c: 164 (synonymy); Maulik 1937: 149 (host plants); Murray 1937: 1 (pest status); Stanley 1938: 39 (pest status); Esaki 1943: 271 (pest status); Thompson & Simmonds 1964: 34 (predator); Bouček 1988: 109 (parasite); Santiago-Blay 2004: 75 (host plants).

Distribution. Solomon Islands (Bougainville, New Britain), New Guinea.

Food plants. *Cocos nucifera* L., *Areca catechu* L., *Nipa fruticans* Thunb., *Metroxylon sagu* Rottb., *Elaeis guineensis* Jacq. (Arecaceae) (Froggatt 1914a; Lepesme 1947).

#### *Promecotheca petelii* Guérin-Méneville 1840b

*Promecotheca petelii* Dejean 1837: 387 Nomen Nudum.

*Promecotheca petelii* Guérin-Méneville 1840b: 334 (type: Indonesia, Java, depository unknown). Baly 1858: 90 (note); Gemminger & Harold 1876: 3609 (catalog); Donckier 1899: 569 (catalog); Weise 1911a: 53 (catalog), 1911b: 81 (catalog), 1922b: 70 (key); Uhmann 1951a: 32 (note), 1958e: 228 (catalog), 1966c: 320 (faunal list), 1966d: 275 (note).

Distribution. Indonesia (Java).

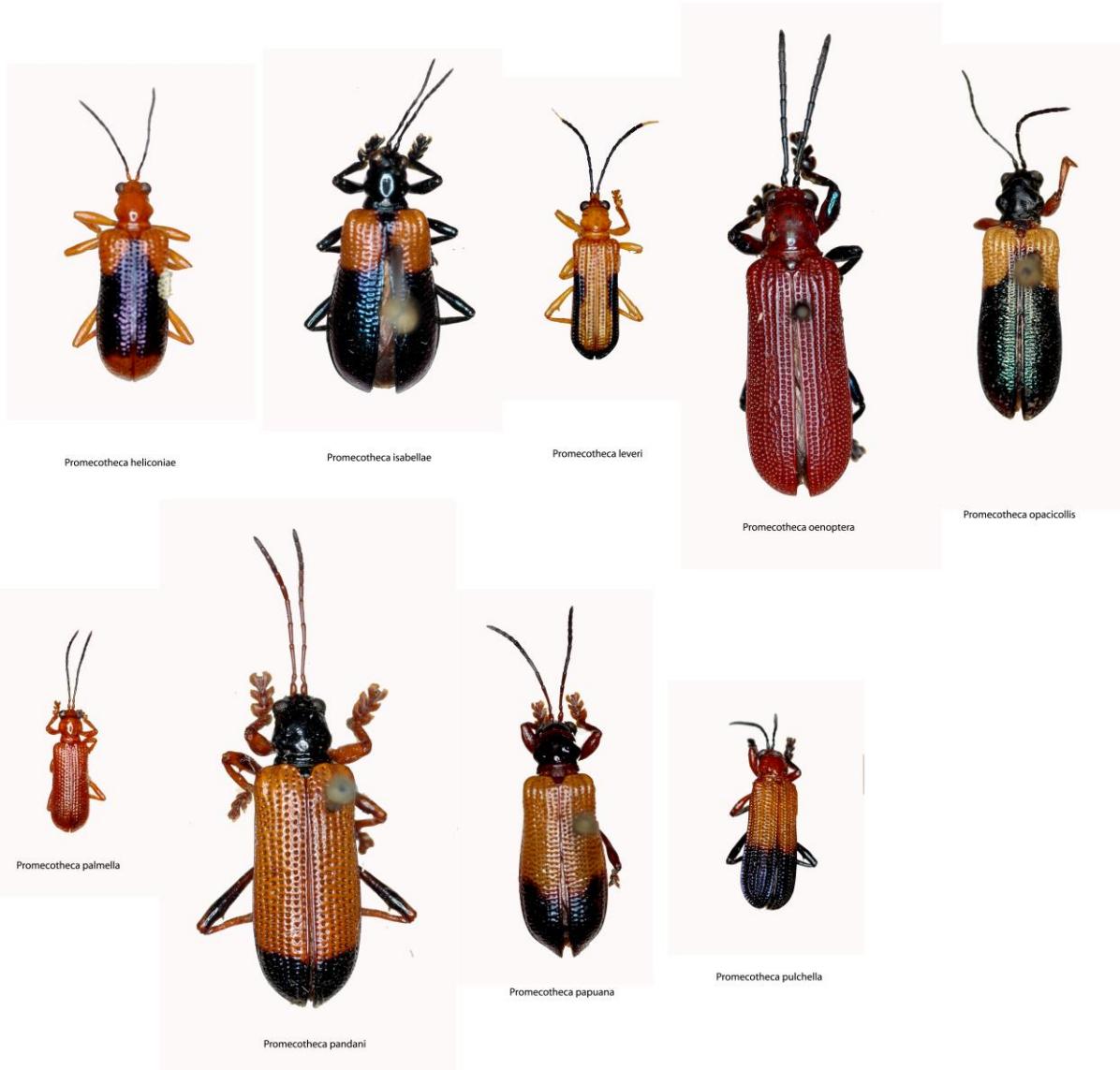
Food plant. Unknown.

#### *Promecotheca ptychospermae* Maulik 1935

*Promecotheca ptychospermae* Maulik 1935: 653 (type: Solomon Islands, Ulawa Island, BMNH). Spaeth 1937b: 27 (key); Maulik 1937: 150 (host plants); Lepesme 1947: 562 (host plants); Gressitt 1957b: 300 (South Pacific species), 1960a: 76 (New Guinea species); Kalshoven 1957: 10 (host plant); Uhmann 1951a: 38 (catalog), 1958e: 228 (catalog), 1964a: 460 (catalog); Howard & Abad 2001: 88 (host plants); Santiago-Blay 2004: 76 (host plants).

Distribution. Solomon Islands (Ulawa).

Food plant. *Balaka (Ptychosperma)* sp. (Arecaceae) (Maulik 1935).



*Promecotheca pubescens* Gressitt 1957b

*Promecotheca pubescens* Gressitt 1957b: 293 (type: New Guinea, Maffin Bay, CASC). Gressitt 1960a: 84 (New Guinea species), 1963: 668 (New Guinea species); Uhmann 1964a: 460 (catalog).

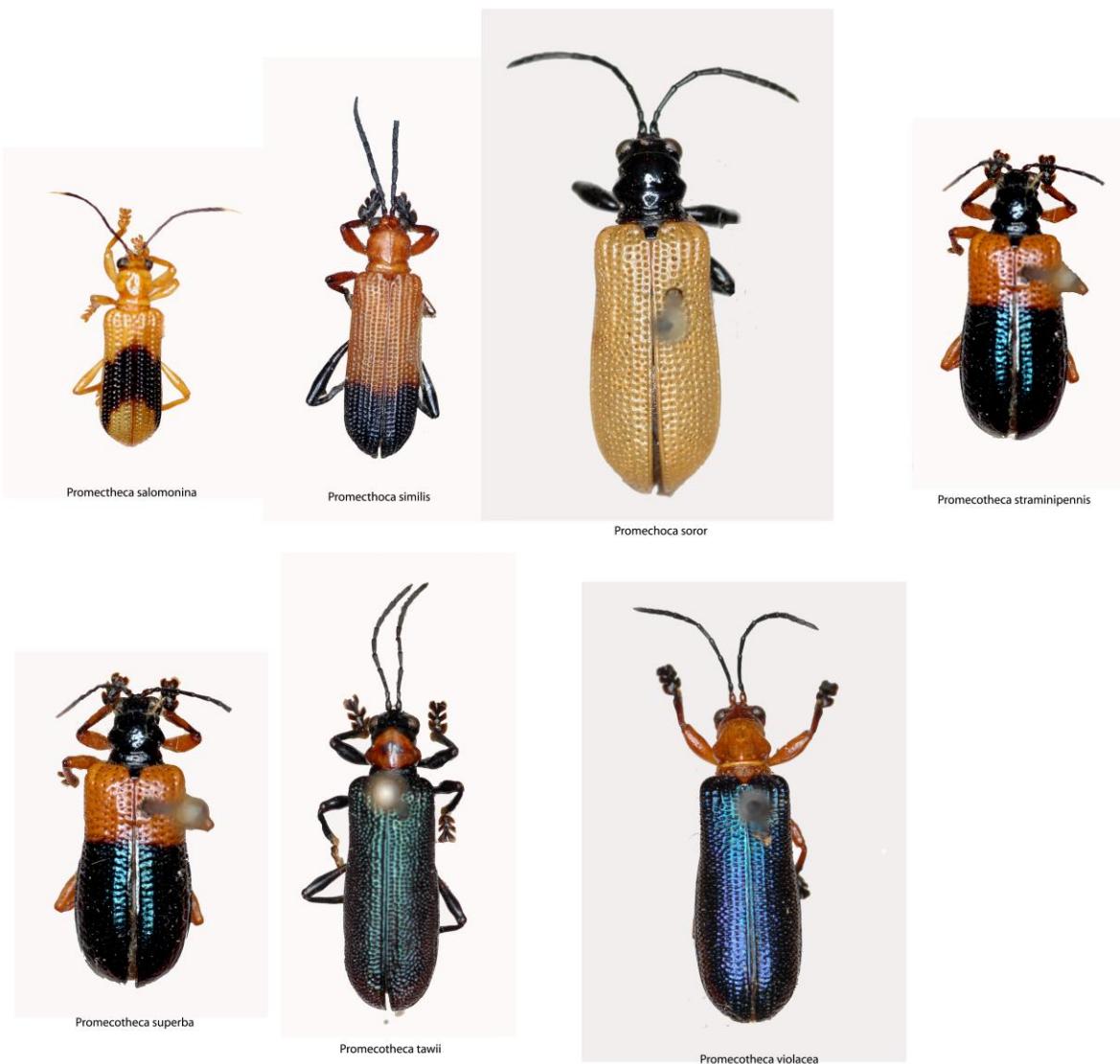
Distribution. New Guinea.

Food plant. Unknown.

*Promecotheca pulchella* Gestro 1917

*Promecotheca pulchella* Gestro 1917: 408 (type: Philippines, Baguio, Benguet, MCSN). Gestro 1919: 346 (faunal list), 1922: 101 (faunal list); Uhmann 1930-1932: 40 (note), 1931f: 225 (note), 1933a: 66 (note), 1951a: 38 (catalog), 1958e: 228 (catalog), 1964(1965): 242 (faunal list).

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Distribution. Philippines (Leyte, Luzon).

Food plant. Unknown.

#### *Promecotheca sacchari* Gressitt 1957b

*Promecotheca sacchari* Gressitt 1957b: 296 (type: Solomon Islands, Guadalcanal, Sutakiki River below Suta, BPBM). Gressitt 1960a: 76 (New Guinea species); Uhmann 1964a: 460 (catalog); Cox 1996a: 172 (pupa); Staines & Staines 1997: 19 (types); Santiago-Blay 2004: 76 (host plants).

Distribution. Solomon Islands (Guadalcanal).

Food plants. *Saccharum officinarum* L., *Saccharum* sp., *Misanthus* sp. (Poaceae) (Gressitt 1957b).

*Promecotheca salomonina* Spaeth 1937b

*Promecotheca salomonina* Spaeth 1937b: 28 (type: Guadalcanal, Kovakombi, BMNH). Uhmann 1951a: 34 (note), 1958e: 228 (catalog), 1964a: 460 (catalog); Gressitt 1957b: 300 (South Pacific species), 1960a: 76 (New Guinea species); Würmli 1976e: 365 (distribution); Howard & Abad 2001: 88 (host plants); Steiner 2001: 83 (host plants); Santiago-Blay 2004: 76 (host plants); Staines 2005: 48 (Spaeth species list).

Distribution. Solomon Islands (Guadalcanal).

Food plants. *Balaka* (*Ptyschosperma*) sp., *Calamus* sp. (Arecaceae) (Gressitt 1957b).

*Promecotheca similis* Uhmann 1933a

*Promecotheca similis* Uhmann 1933a: 66 (type: Philippines, Luzon, Albay, USNM?). Uhmann 1951a: 38 (museum list), 1958e: 228 (catalog), 1964(1965): 255 (faunal list); Gaedike & Döbler 1971: 389 (types); Zelazny & Pacumbaba 1982: 115 (host plant); Staines 1997b: 418 (Uhmann species list).

Distribution. Philippines (Luzon).

Food plant. *Cocos nucifera* L. (Arecaceae) (Zelazny & Pacumbaba 1982).

*Promecotheca soror* Maulik 1929a

*Promecotheca soror* Maulik 1929a: 84 (type: Moluccas, Mongoli, BMNH). Lepesme 1947: 563 (host plant); Risbec 1950a: 380 (host plants); Kalshoven 1951: 756 (host plant), 1957: 10 (host plant); Uhmann 1951a: 34 (note), 1958e: 228 (catalog), 1964a: 460 (catalog); Gressitt 1957b: 298 (South Pacific species), 1959b: 122 (note); Johnston 1965: 14 (pest list); Woodruff 1979: 52 (noted); Mariau 1999: 234 (note), 2001: 135 (note); Howard & Abad 2001: 88 (host plants); Santiago-Blay 2004: 76 (host plants).

Distribution. Indonesia (Celebes), Moluccas.

Food plant. *Cocos nucifera* L. (Arecaceae) (Maulik 1929a).

*Promecotheca straminipennis* Weise 1922b

*Promecotheca straminipennis* Weise 1922b: 59 (type: Solomon Islands, Neu-Pommern, NHRS). Uhmann 1951a: 32 (note), 1958e: 81 (note), 1958e: 228 (catalog), 1964a: 460 (catalog); Gressitt 1957b: 291 (South Pacific species), 1960a: 83 (New Guinea species), 1963: 668 (New Guinea species); Maddison 1993: 72, 87 (host plant); Santiago-Blay 2004: 76 (host plants).

Distribution. Solomon Islands (New Britain).

Food plant. *Pandanus* sp. (Gressitt 1957b); *P. tectorius* Solander ex. Parkinson (Maddison 1993) (Pandanaceae).

*Promecotheca superba* Pic 1924a

*Promecotheca superba* Pic 1924a: 3 (type: Solomon Islands, Bougainville, MNHN). Uhmann 1951a: 34 (note), 1958e: 228 (catalog), 1964a: 460 (catalog); Gressitt 1957b: 290 (South Pacific species), 1960a: 82 (New Guinea species); Descarpentries & Villiers 1959b: 502 (types).

Distribution. Solomon Islands (Bougainville).

Food plant. Unknown.

*Promecotheca varipes* Baly 1858

*Promecotheca varipes* Baly 1858: 88 (type: north Australia, BMNH). Gemminger & Harold 1876: 3609 (catalog); Donckier 1899: 570 (catalog); Weise 1911a: 54 (catalog), 1911b: 80 (catalog), 1922b: 70 (key); Froggatt 1914a: 151 (pest status); Gestro 1919: 342 (note); Taylor 1937: 13 (note); Lepesme 1947: 563 (host plants); Risbec 1950a: 380 (host plants); Gressitt 1957b: 293 (South Pacific species), 1960a: 84 (New Guinea species); Kalshoven 1957: 10 (host plant); Uhmann 1958e: 228 (catalog), 1964a: 460 (catalog); Maddison 1993: 87 (host plant); Mariau 1999: 234 (note), 2001: 135 (note); Staines & Staines 1999: 527 (Baly species list); Howard & Abad 2001: 88 (host plants); Hawkeswood 2003: 186 (food plants); Santiago-Blay 2004: 76 (host plants).

Distribution. Australia (Northern Territory), New Guinea.

Food plants. *Pandanus* sp. (Pandanaceae) (Froggatt 1914a); *Cocos nucifera* L. (Arecaceae) (Lepesme 1947).

*Promecotheca violacea* Uhmann 1932b

*Promecotheca violacea* Uhmann 1932b: 14 (type: Solomon Islands, Bougainville, Timputz, ZMHB). Spaeth 1937b: 28 (comparative note); Uhmann 1951a: 32 (note), 1958e: 228 (catalog), 1964a: 460 (catalog); Gressitt 1957b: 279 (South Pacific species, biology), 1959b: 122 (note), 1960a: 82 (New Guinea species); Gaedike & Döbler 1971: 394 (types); Maddison 1993: 57, 87 (host plants); Cox 1996a: 173 (pupa); Staines 1997b: 418 (Uhmann species list); Santiago-Blay 2004: 76 (host plants).

*Promecotheca violacea* Spaeth. Kalshoven 1957: 10 (host plant).

Distribution. Solomon Islands (Bougainville, New Georgia, Ysabel).

Food plants. *Pandanus* sp. (Maulik 1932); *P. dubius* Sprengel (Maddison 1993) (Pandanaceae); *Ptychosperma* sp. (Arecaceae) (Gressitt 1957b).