

A Checklist of the Subfamily Diamesinae
(Diptera, Chironomidae) of the Far East

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A Checklist of the Subfamily Diamesinae (Diptera, Chironomidae) of the Far East

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Abstract. Checklist of the subfamily Diamesinae (Diptera, Chironomidae) of the Far East is published for the first time and information about synonyms, references and distribution of 63 species of 3 tribes (Boreoheptagyiini, Protanypodini and Diamesini) and 13 genera are given.

The following list of each species shows scientific name, author, date and pages of publish of the original description and additional records, the generic name originally used (if other name was used), synonyms, and the stages described (M-male, F-female, P-pupa, L-larva).

Tribe BOREOHEPTAGYIINI

1. Genus *BOREOHEPTAGYIA* Brundin

Heptagyia, Goetghebuer, 1939: 21; *Heptagyia*, Pagast, 1947: 450; *Heptagyia*, Chernovskij, 1949: 96; *Heptagyia*, Pankratova, 1970: 63; *Heptagyia*, Sasa, 1989: 63; synonyms.

Brundin, 1966: 420, MP; Oliver, 1983: 117, L, 1986: 122, P, 1989: 132, M; Makarchenko, 1985: 37, MPL.

brevitarsis (Tokunaga)

Tokunaga, 1936: 528 (*Prodiamesa*), M; 1937a: 42, M, 1939: 302 (*Heptagyia*), FPL, 1959: 639 (*Heptagyia*), PL; Makarchenko, 1981: 89, MF, 1985: 38, MPL.

Distribution. Japan, Honshu, Kyoto Pref., Kibune Str.; China, Liaoning, Jilin Prov.; Russia, Kolyma R. Basin, Vrangal Island.

eburnea (Tokunaga)

Tokunaga, 1937a: 53 (*Heptagyia*), F.

Distribution. Japan, Honshu, Shiga Pref., Ryozen.

kurobrevis (Sasa et Okazawa)

Sasa & Okazawa, 1992: 58 (*Diamesa*), M.

Distribution. Japan, Honshu, Toyama Pref., Nekomata.

kurobeia Sasa et Okazawa

Sasa & Okazawa, 1992: 62, M.

Distribution. Japan, Honshu, Toyama Pref., Unazuki.

nipponica (Tokunaga)

Tokunaga, 1937: 52 (*Heptagyia*), F.

Distribution. Japan, Honshu, Kyoto Pref., Kibune Str.

unica Makarchenko

Makarchenko, 1994b: 87, M.

Distribution. Japan, Honshu, Tochigi Pref., Nikko National Park, Toyamazawa R.

II. Genus *KALUGINIA* Makarchenko

Makarchenko, 1987: 784, M; Oliver, 1989: 134, M.

lebetiformis Makarchenko

Makarchenko, 1987: 785, M.

Distribution. Russia, Sakhalin Island, Dolinsk Region.

Tribe PROTANYPODINI

III. Genus *PROTANYPUS* Kieffer

Didiamesa Kieffer, 1924; synonym.

Kieffer, 1906: 318, M; Edwards, 1929: 303, M; Goetghebuer, 1939: 24, MF; Pagast, 1947: 449, MFPL; Thienemann, 1944: 564, 634, PL; Chernovskij, 1949: 97, L; Brundin, 1952: 39, P, 1956: 60, M; Pankratova, 1970: 59, PL; Oliver, 1983: 121, L, 1986: 125, P, 1989: 137, M; Makarchenko, 1985: 29, MPL.

caudatus Edwards

Edwards, 1924: 122, M; Brundin, 1952: 39, MPL; Pankratova, 1970: 62, P; Saether, 1975: 385, MPL; Makarchenko, 1982a: 128, MPL, 1985: 32, MPL.

Distribution. Russia, Sakhalin, Magadan Region, Amur R. Basin; West Siberia, Altai Mnts: Europe.

gracilis Makarchenko

Makarchenko, 1982a: 137, MPL; 1985: 35, MPL.

Distribution. Russia, Chukotka Peninsula.

morio Zetterstedt

miriforceps Kieffer, 1924: 80 (*Didiamesa*); *miriforceps* Lenz, 1925: 85, 90 (*Didiamesa*); synonyms.

Zetterstedt, 1840: 817, M; Edwards, 1929: 303, M; Goetghebuer, 1939b: 24, MF; Thienemann, 1944: 565, 635, PL; Pagast, 1947: 507, P; Brundin, 1952: 43, P, 1956: 60, P; Pankratova, 1970: 59, PL; Pinder, 1978: 40, M; Makarchenko, 1982a: 126, M, 1985: 31, M.

Distribution. Russia, Kolyma R. Basin, Chukotka, Kurile Islands: Europe: Mongolia (Khubsugul Lake).

pseudomorio Makarchenko

Makarchenko, 1982a: 133, ML, 1985: 34, ML; Saether & Willassen, 1985: 142, MF.

Distribution. Russia, Chukotka Peninsula: North America.

tshereshnevi Makarchenko

Makarchenko, 1982a: 140, M, 1985: 37, MP.

Distribution. Russia, Chukotka Peninsula.

Tribe DIAMESINI

IV . Genus *ARCTODIAMESA* Makarchenko

Makarchenko, 1983a: 264, MPL, 1984b: 92, MPL, 1985: 53, MPL; Oliver, 1989: 130, M, 1986: 121, P.

appendiculata (Lundström)

Lundström, 1915: 23 (*Diamesa*), M; Goetghebuer, 1939: 11 (*Diamesa*), M; Makarchenko, 1978: 56 (*Diamesa*), MPL, 1984b: 96, MPL, 1985: 54, MPL.

Distribution. Russia, Chukotka, Kolyma R. Basin. Arctic Siberia, low stream of Lena R: North America, Alaska (?).

V . Genus *DIAMESA* Meigen

Meigen in Waltl, 1835 (cit. on Hansen & Cook, 1976), M; Goetghebuer, 1939: 9 (part.), MF; Pagast, 1933: 292, PL; Pagast, 1947: 462, 512, MP; Thienemann, 1950: 203, PL; Pankratova, 1970: 76, MPL; Hansen & Cook, 1976: 45, M; Oliver, 1983: 118, L; Makarchenko, 1985: 66, MPL; Oliver, 1986: 122, P, 1989: 133, M.

aberrata Lundbeck

Lundbeck, 1898: 289, M; Goetghebuer, 1932: 163, M; Edwards, 1933: 616, 618, M; Goetghebuer, 1939: 18, M; Pagast, 1947: 471, 520, MP; Wülker, 1959: 345, MPL; Oliver, 1962: 4, M; Pankratova, 1970: 86, PL; Hansen & Cook, 1976: 50, M; Rossaro, 1980: 301, L; Makarchenko, 1985: 91, MPL.

Distribution. Russia, Primorye Region: China, Sichuan Prov.: Europe: North America.

alpina Tokunaga

kurobenagaia Sasa et Okazawa, 1992: 61, **syn. nov.**

Tokunaga, 1936: 539, MFP, 1937: 59, MF; Makarchenko, 1980: 82, M, 1985: 81, MP; Willassen, 1985: 124, M.

Distribution. Japan, Honshu, Toyama Pref., Tsurugisawa, Kurobe; Nagano Pref., Kakogawa, Hakkuba; Gifu Pref.; Niigata Pref., Sasagaminebokujo, Ginzandaira; Hokkaido, Sapporo, Jozankei: China, Jilin Prov., Chanbai: Russia, Kurile Islands, Kamchatka, Korjaskyi Range: North America.

amplexivirilia Hansen

Hansen & Cook, 1976: 53, M; Makarchenko, 1980b: 86, MPL, 1981: 108, MPL, 1985: 77, MPL.

Distribution. Russia, Kolyma R. Basin, Vrangeli Islands, Korjaskyi Range: North America.

arctica (Boheman)

poultoni Edwards, 1922: 212; synonym.

Boheman, 1865 (*Chironomus*), M; Edwards, 1924: 173, M; Goetghebuer, 1939: 18, M; Serra-Tosio, 1967: 205, M; Hansen & Cook, 1976: 60, M; Makarchenko, 1980b: 89, M, 1985: 87, MPL.

Distribution. Russia, Vrangeli Island, Anadyr R., Kolyma R. Basin: Europe: North America.

astyla Tokunaga

Tokunaga, 1936: 545, M, 1937b: 57, M; Goetghebuer, 1939: 27, M.

Note. Holotype is lost.

Distribution. Japan, Honshu, Toyama Pref., Tsurugisawa.

bertrami Edwards

kasaulica Pagast, 1947: 475; synonym.

Edwards, 1935: 470, M; Pagast, 1947: 525 (*Diamesa* spec. II). P; Oliver, 1962: 5, M; Albu, 1967: 18, M; Serra-Tosio, 1971: 147, MFP; Hansen & Cook, 1976: 63, M; Makarchenko, 1980b: 91, M, 1985: 88, ML.

Distribution. Japan, Honshu, Tochigi Pref., Nikko Nat. Park, Odaga R. Basin; Niigata Pref.; Gifu Pref., Asashimura; Russia, Chukotka Peninsula; West Siberia, Altai Mts.: Europe: North America.

dactyloidea Makarchenko

Makarchenko, 1988: 52, M.

Distribution. Japan, Hokkaido, Izari R. Basin; Russia, Sakhalin Island, Primorye Region.

davisi Edwards

Edwards, 1933: 614, MF; Goetghebuer, 1932: 169, M, 1939: 13, M; Pagast, 1947: 477, 525, MP; Saether, 1968: 441, MPL; Hansen & Cook, 1976: 81, M; Makarchenko, 1980b: 80, M, 1985: 79, MPL; Willassen, 1985: 112, MF.

Distribution. Russia, Amur R. Basin, Kolyma R. Basin, Korjaksy Range, Chukotka Peninsula; Europe: North America.

japonica Tokunaga

leoniella Hansen & Cook, 1976: 111, synonym; *kurobemijikaia* Sasa et Okazawa, 1992: 60, **syn. nov.**

Tokunaga, 1936: 542, MFP, 1937: 58, MF; Goetghebuer, 1939: 27, M; Makarchenko, 1981: 110, M, 1985: 76, MP.

Distribution. Japan, Honshu, Nagano Pref., Kashima, Hosono, Hakuba; Niigata Pref., Sasagaminebokujo; Fukui Pref., Kinebashi; Hokkaido, Izari R. Basin; Sapporo, Jozankei; Russia, Kunashir Island; North America.

geminata Kieffer

furcata Edwards, 1933: 616; *biappendiculata* Goetghebuer, 1939: 5 (*Syndiamesa*); synonyms.

Kieffer, 1926: 79, M; Hansen & Cook, 1976: 91, M; Makarchenko, 1978: 61, M; Saether et al., 1984: 252, MF; Makarchenko, 1985: 90, MPL.

Distribution. Russia, Kolyma R. Basin, Chukotka Peninsula; Greenland: North America.

gregsoni Edwards

Edwards, 1933: 618, M; Serra-Tosio, 1967: 93, M; Hansen & Cook, 1976: 91, M; Makarchenko, 1985: 93, MPL.

Distribution. Japan, Hokkaido, Supporo, Jozankei; Russia, Amur R. Basin, Kamchatka, Magadan; Europe (Norway only): North America.

incallida (Walker)

nexilis Walker, 1856: 184 (*Chironomus*); *fonticola* Saether, 1969: 24; synonyms.

Walker, 1856: 183 (*Chironomus*), M; Edwards, 1929: 305, M; Goetghebuer, 1939: 19, M; Pagast, 1947: 471, 515, 521 (*Diamesa* sp. VII), MP; Wülker, 1959: 345, PL; Serra-Tosio, 1971: 137, (cit. on Hansen & Cook, 1976), MFP; Hansen & Cook, 1976: 99, M;

Makarchenko, 1977b: 116, M; Pinder, 1978: 42, fig. 93A, M; Rossaro, 1980: 302, L; Makarchenko, 1985: 89, ML.

Distribution. Russia, Chukotka Peninsula, South Primorye: Europe: North America.

insignipes Kieffer

prolongata Kieffer, 1909: 40; *prolongata* Edwards, 1929: 305; *prolongata* Goetghebuer 1939: 14; gr. *prolongata* Chernovskij, 1949: 104; synonyms.

Kieffer in Kieffer & Thienemann, 1908: 3, 126, MP; Pagast, 1947: 478, 528, MP; Thienemann, 1952: 254, L; Albu, 1967: 20, M; Pankratova, 1970: 81, PL; Hansen & Cook, 1976: 103, M; Makarchenko, 1985: 83, MPL; Linevich & Makarchenko, 1989: 29, M.

Distribution. Russia, Kamchatka, Siberia: Europe: North America.

leona Roback

pieta Roback, 1957: 8; *caena* Roback, 1957: 9; *breviala* Tokunaga, 1964a: 40; *renegata* Makarchenko, 1977a: 1732; *mongolica* Serra-Tosio, 1983: 11, synonyms; *kurobedistalis* Sasa et Okazawa, 1992: 59, **syn. nov.**

Roback, 1957: 7, M; Hansen & Cook, 1976: 106, M; Makarchenko, 1981: 103, MP, 1985: 73, MP; Herrmann et al., 1987: 309, MF; Linevich & Makarchenko, 1989: 30, M.

Distribution. Japan, Honshu, Hokkaido: China, Jilin Prov., Chanbai: Russia, Chukotka Peninsula, Kamchatka Peninsula, Kolyma R. Basin, Primorye, South Sakhalin: North America.

pankratovae Makarchenko et Bulgakov

Makarchenko & Bulgakov, 1986: 37, MPL.

Distribution. China, Qingha Prov.: Middle Asia.

Note. This species is very similar to *D. filicauda* Tokunaga from Afganistan (Tokunaga, 1966). But I had not examined the holotype of *D. filicauda* for comparing of both species.

plumicornis Tokunaga

Tokunaga, 1936: 548, M, 1937a: 55, F, 1937b: 62, M; Goetghebuer, 1939: 27, M; Makarchenko & Yamamoto, 1995: 299, M.

Distribution. Japan, Honshu, Kyoto Pref., Mount Hiei; Tochigi Pref., Nikko National Park, Toyamazawa R.; Nagano Pref., Kashima.

sommermani Hansen

gregsoni Edwards: Makarchenko, 1980b: 88, synonym.

Hansen & Cook, 1976: 134, M; Makarchenko, 1985: 94, M.

Distribution. Russia, Chukotka Peninsula (Uelen Vil. only): North America, Alaska (Kenai Peninsula only).

steinboeckii Goetghebuer

Goetghebuer, 1933b: 54 (subg. *Brachydiamesa*), M, 1939: 16 (*Brachydiamesa*), M; Thienemann and Mayer, 1933: 6, L; Pagast, 1947: 487, 534, MP; Wülker, 1959: figs. 2-4, L; Pankratova, 1970: 33, PL; Serra-Tosio, 1974: 168, MP; Makarchenko, 1981: 96, MPL, 1985: 71, MPL.

Distribution. Russia, Vrangal Island, Chukotka; Tadgikistan: Europe, French Alps, Pyrenees; North Sweden.

tokunagai Makarchenko et Yamamoto

Makarchenko & Yamamoto, 1995: 298, M.

Distribution. Japan, Honshu, Futatsuya, Gifu Pref.

tsutsuii Tokunaga

matuimpedita Sasa, 1989: 149, **syn. nov.**

Tokunaga, 1936: 546, MF, 1937b: 60, MF, 1964b: 22, M; Goetghebuer, 1939: 27, M; Makarchenko, 1977b: 113, MP, 1985: 82, MPL; Sasa & Kawai, 1985: 10, F; Linevich & Makarchenko, 1989: 32, M.

Distribution. Japan, wide distribution in mountain and submountain rivers of Honshu and Hokkaido; China, Liaoning and Jilin Prov.; South Korea; Russia, Primorye, Sakhalin, Kurile Islands, Amur R. Basin, Kamchatka, Magadan Region, Baikal Lake Basin; Mongolia.

vernalis Makarchenko

tsukuba Sasa, 1979: 46; synonym.

Makarchenko, 1977b: 109, M, 1985: 84, MPL.

Distribution. Japan, Honshu Ibaraki Pref., Tsukuba; Russia, Primorye, Sakhalin.

zernyi Edwards

bohemani Goetghebuer, 1939: 11; *bohemani* Lavilli, 1966: 209; synonyms.

Edwards, 1933: 617, M; Pagast, 1947: 479, 529, MP; Thienemann, 1952: 253, L; Pankratova, 1970: 80, P; Makarchenko, 1985: 85, MPL.

Distribution. Russia, Chukotka, Korjaskyi Range, Magadan Region (Okhotsk Sea Basin), Primorye; Europe.

VI. Genus *Lappodiamesa* Serra-Tosio

Serra-Tosio, 1968: 140, M; Makarchenko, 1985: 51, MPL; Oliver, 1989: 135, M.

multisetata Makarchenko

Makarchenko, 1995: 84, MPL.

Distribution. Russia, Primorye, Pogranichnyi Region, Kommisarovka River (type locality); China, Liaoning Prov., Fushun County.

vidua Kieffer

brundini Serra-Tosio, 1968: 141; *brundini* Makarchenko, 1983b: 52, 1985: 52; synonyms.

Kieffer, 1922: 23 (*Syndiamesa*), MF; Goetghebuer, 1939: 9 (*Syndiamesa*), MF; Saether & Willassen, 1988: 75, M.

Distribution. Russia, Chukotka Peninsula, Vrangeli Island; Europe (North Sweden only).

willasseni Makarchenko et Kerkis

Makarchenko & Kerkis, 1991: 413, MPL.

Distribution. Russia, Primorye, Khasansk Region, Narva R.

VII. Genus *Pagastia* Oliver

Syndiamesa, Pankratova, 1970: 68 (part.); synonym.

Oliver, 1959: 49, MF; Saether, 1977: 66, F; Makarchenko, 1981: 94, M; Oliver & Roussel, 1982: 849, L; Oliver, 1983: 119, L; Makarchenko, 1985: 45, MPL; Oliver, 1986: 123, P, 1989: 136, M.

angarensis (Linevich)

sp. A. Oliver & Roussel, 1982: 854; *oliveri* Makarchenko, 1989: 270; *lanceolata*: Hashimoto, 1985: 347; synonyms.

Linevich, 1953: 162, figs. 1-4 (*Syndiamesa*), L, 1984: 127, fig. 2, (*Potthastia*) FP; Makarchenko, 1994c: 832, MPL.

Distribution. Japan, Honshu, Ibaraki Pref., Tsukuba; Inokashira and Mariko, Shizuoka;

Onigasawa, Fukushima; Hikawa, Tokyo; China, Liaoning Pr.: South Korea: Russia, Primorye, Sakhalin, Kunashir Island; Siberia, Angara and Enisei Rivers: North America, Alaska.

lanceolata (Tokunaga)

nivis Tokunaga, 1964b: 21 (*Syndiamesa*); *nivis* Hashimoto, 1985: 347, fig. 10 (*Syndiamesa*); *orientalis insularis* Makarchenko, 1989: 268-269; synonyms.

Tokunaga, 1936: 530, M, 1937b: 47, M; Goetghebuer, 1939: 25, M; Sasa, 1989: 65, 140, M; Makarchenko, 1994c: 825, MPL.

Distribution. Japan, Honshu, Hokkaido (wide distribution): Russia, Sakhalin and Kunashir Islands.

orientalis (Chernovskij)

Chernovskij, 1949: 99 (*Syndiamesa*), L; Linevich, 1959: 21 (*Syndiamesa*), P; Pankratova, 1970: 72 (*Syndiamesa*), PL; Makarchenko, 1977b: 118 (*Syndiamesa*), M, 1981: 93, ML, 1985: 46, MPL; Linevich & Makarchenko, 1989: 20, MPL.

Distribution. China, Liaoning and Jilin Prov.: South Korea, Chungchongnam-do, Kongju, Kyeryong Mnt.: Russia, Primorye, Amur R. Basin, Magadan Region, Chukotka, Kamchatka; Siberia, Baikal Lake Basin, Altai Mnts. (Katun R.)

VIII. Genus *POTTHASTIA* Kieffer

Psilodiamesa, Edwards, 1929: 305; *Diamesa*, Pagast, 1933: 286; synonyms.

Kieffer, 1922: 361, MPL; Pagast, 1933: 286, M, 1947: 536, MP; Brundin, 1956: 63, M; Serra-Tosio, 1968: 118, M; Pankratova, 1970: 103, PL; Oliver, 1983: 120, L; Oliver & Roussel, 1983: 156, L; Makarchenko, 1985: 48, MPL; Oliver, 1986: 124, P, 1989: 136, M.

gaedii (Meigen)

jintudecima Sasa, 1990: 50, 65 (*Syndiamesa*), **syn. nov.**

Pagast, 1933: 286 (*Diamesa*), MPL; Goetghebuer, 1939: 18 (*Diamesa*), M; Pagast, 1947: 491, 536, MP; Chernovskij, 1949: 98 (*Diamesa*), L; Pankratova, 1970: 105, PL.

Distribution. Japan, Kyushu, Kumamoto Pref.; Honshu, Kanagawa Pref.; Toyama Pref.: China, Liaoning Prov.: Russia, Siberia: Europe.

longimana Kieffer

campestris Edwards, 1929: 307 (*Diamesa*); *albicornis* Goetghebuer, 1939: 388 (*Diamesa*); *campestris* Chernovskij, 1949: 106 (*Diamesa*); *campestris* Pankratova, 1970: 103; synonyms.

matunigra Sasa & Kawai, 1987: 68, **syn. nov.**; *toyamaflexa* Sasa, 1989: 150, **syn. nov.** Kieffer, 1922, MPL; Pagast, 1947: 489, 538, MP; Serra-Tosio, 1968: 119, M; Makarchenko, 1985: 49, MPL.

Distribution. Widely distributed Holarctic species. In the Far East, this species is known from Japan, Russia and China.

montium Edwards

oiraoctavae Sasa, 1991: 77 (*Syndiamesa*), **syn. nov.**

Edwards, 1929: 307 (*Psilodiamesa*), M; Goetghebuer, 1939: 20 (*Psilodiamesa*), M; Pinder, 1978: 42, fig. 93 D, M; Makarchenko, 1985: 50, M; Sasa, 1988: 51 (*Psilodiamesa*), M.

Distribution. Japan, Kyushu, Kumamoto Pref.; Honshu, Kanagawa Pref.; Aomori Pref.; Hokkaido, Toya Lake: South Korea: Russia, Primorye.

nigatana (Tokunaga)

Tokunaga, 1936: 537 (*Diamesa*), M, 1937b: 55 (*Diamesa*), M; Goetghebuer, 1939: 26, M; Sasa & Kawai, 1985: 12 (*Psilodiamesa*), F.

Distribution. Japan, Honshu, Niigata Pref., Sasagamine.

IX . Genus *PSEUDODIAMESA* Goetghebuer

Syndiamesa, Kieffer, 1918 part.: 103; *Trichotomesa*, Pagast in Hrabe, 1940: 19; *Syndiamesa*, Edwards, 1929: 303; *Syndiamesa*, Pankratova, 1970: 68; synonyms.

Goetghebuer, 1939 (subg. *Pseudodiamesa*): 9, MF; Pagast, 1947: 451, 508, MP; Thienemann, 1952: 246, L; Brundin, 1956: 62, M; Shilova, 1969: 167, M; Serra-Tosio, 1976: 119, MFP; Saether, 1977: 66, F; Oliver, 1983: 122, L; Oliver, & Roussel, 1983: 158, L; Makarchenko, 1985: 40, MPL; Oliver, 1986: 125, P, 1989: 138, M.

branickii (Nowicki)

pilosa Kieffer, 1924: 48 (*Syndiamesa*); *pubitarsis* (*Syndiamesa*) Goetghebuer, 1939: 8; *belingi* Fittkau, 1954: 84; synonyms.

Nowicki, 1873: 3 (*Syndiamesa*), M; Zavrel, 1935: 18, 1939: 12 (*Syndiamesa*), PL; Pagast, 1947: 455, M; Brundin, 1956: 62, M; Hrabe, 1956: 58, PL; Wülker, 1959: 352, MPL; Reiss, 1968: 59, M; Pankratova, 1970: 69 (*Syndiamesa*), PL; Serra-Tosio, 1976: 119, MFP; Pinder, 1978: 44, M; Makarchenko, 1982b: 145, L, 1985: 41, MPL.

Distribution. Japan, Honshu, Tochigi Pref., Nikko National Park, Toyamazawa R.; Niigata Pref., Myokokogenmachi, Sasagaminebokujo, Myokomura Vill: Russia, Primorye, Amur R. Basin, Sakhalin, Magadan Reg., Chukotka, Kamchatka; Siberia: Europe: North America.

Note. Larvae of *P. branickii* from Honshu and Sakhalin are different from other populations by dark spots on the yellow head.

crassipilosa (Tokunaga)

Tokunaga, 1937a: 57 (*Syndiamesa*), F.

Distribution. Japan, Kyoto Pref.

latistyla Makarchenko

Makarchenko, 1989: 272, M.

Distribution. Russia, Magadan Region.

stackelbergi (Goetghebuer)

nivosa Makarchenko, 1985: 43-45, synonym.

Goetghebuer, 1933a: 220. fig. 11 (*Syndiamesa*), M; Goetghebuer, 1939: 8 (*Syndiamesa*), M; Pankratova, 1970: 71 (*Syndiamesa*), PL; Linevich, 1989: 119, MPL; Linevich & Makarchenko, 1989: 26, M.

Distribution. Japan, Hokkaido, Sapporo, Jozankei, Toyohira R.: Russia, Sakhalin, Primorye, Amur R. Basin; Siberia: Europe.

X . Genus *Pseudokiefferiella* Zavrel

Diamesa, Goetghebuer, 1939 (part.): 10; *Diplomesa*, Pagast, 1947: 539, synonyms.

Zavrel, 1941: 1, L; Oliver, 1983: 122, L; Oliver & Roussel, 1983: 157, L; Makarchenko, 1985: 64, MPL; Oliver, 1986: 126, P; 1989: 139, M.

parva (Edwards)

tyrolensis Goetghebuer, 1939: 21 (*Diamesa*); *tyrolensis* Pagast, 1947: 476 (*Diamesa*);

lapponica Pagast, 1947 (*Diamesa*): 539; f. l. *uelensis* Makarchenko, 1976: 62, (*Diamesa*); synonyms.

Edwards, 1932: 45 (*Diamesa*), M; Zavrel, 1941: 1, L; Thienemann, 1952: 250 (*Diamesa*), L; Pankratova, 1970: 84, (*Diamesa*), PL; Makarchenko, 1985: 65, MPL.

Distribution. Russia, Kolyma R. Basin, Chukotka Peninsula, Vrangal Island: Europe: North America.

XI. Genus SASAYUSURIKA Makarchenko

Makarchenko, 1993a: 118, M.

aenigmata Makarchenko

Makarchenko, 1993a: 119, M.

Distribution. Japan, Honshu, Tochigi Pref., Nikko National Park, Toyamazawa R.; Gifu Pref., Asashimura.

XII. Genus SYMPOTTHASTIA Pagast

Pagast, 1947: 457, M; Serra-Tosio, 1968: 129, M; Oliver, 1983: 123, L; Doughman, 1985: 40, MPL; Makarchenko, 1985: 56, MPL; Oliver, 1986: 127, P, 1989: 140, M.

fulva (Johannsen)

Johannsen, 1921: 229 (*Diamesa*), F; Johannsen, 1937: 33 (*Diamesa* (*Psilodiamesa*)), PL; Sublette, 1967: 480 (*Diamesa*), MF; Doughman, 1985: 46, L; Makarchenko, 1985: 58, MPL; Linevich & Makarchenko, 1989: 27, MPL.

Distribution. Russia, Primorye, Anadyr R., Chukotka: North America.

gemmaformis Makarchenko

Makarchenko, 1994a: 53, MP.

Distribution. Japan, Hokkaido, Bifue R.: Russia, Sakhalin.

repentina Makarchenko

Makarchenko, 1984a: 87, MPL, 1985: 59, MPL.

Distribution. Russia, Primorye.

takatensis (Tokunaga)

khorensis Makarchenko, 1984a: 91, 1985: 60-61; synonym.

Tokunaga, 1936: 531 (*Syndiamesa*), M, 1937b: 49, M; Goetghebuer, 1939: 25 (*Syndiamesa*), M; Sasa & Kawai, 1985: 7 (*Syndiamesa*), MF; Makarchenko 1994a: 56, M.

Distribution. Japan, Honshu, prefectures of Niigata, Toyama, Osaka, and Kanagawa: Russia, Primorye, Amur R. Basin: China, Liaoning Prov., Huanren: South Korea.

toyamayezee Sasa

Sasa, 1996: 44, 77, M.

Distribution. Japan, Honshu, Toyama Pref.

XIII. Genus SYNDIAMESA Kieffer

Diamesa, Pagast, 1947: 462 (part.); *Parapotthastia*, Serra-Tosio, 1968: 145; synonyms. Kieffer, 1918: 103, M; Edwards, 1929: 303, M; Goetghebuer, 1939: 4(part.), MF; Cranston, 1975: 88, M; Kownacki, 1981: 383, M; Oliver, 1983: 124, L; Makarchenko, 1985: 61, MPL; Oliver, 1986: 127, P; 1989: 140, M.

bicolor Tokunaga

Tokunaga, 1937a: 56, F.

- Distribution.* Japan, Honshu, Kyoto Pref.
chuzemagna Sasa
 Sasa, 1989: 152, M.
Distribution. Japan, Honshu, Tochigi Pref., Chuzenji Lake.
kashimae Tokunaga
 Tokunaga, 1936: 534, M; 1937a: 44, F; Goetghebuer, 1939: 25, F.
Distribution. Japan, Nagano Pref., Kashima.
mira (Makarchenko)
 Makarchenko, 1980a: 466 (*Parapotthastia*), MPL, 1985: 62, MPL.
Distribution. Russia, Kunashir Island (Kurile Islands).
montana Tokunaga
 Tokunaga, 1936: 532, MP, 1937b: 50, M; Goetghebuer, 1939: 25, M.
Distribution. Japan, Honshu, Toyama Pref., Tsurugisawa.
rara (Makarchenko)
 Makarchenko, 1980a: 468 (*Parapotthastia*), M, 1985: 63, MPL.
Distribution. Japan, Hokkaido (?): China, Jilin Prov., Chanbai: Russia, Primorye.
yosiii Tokunaga
 Tokunaga, 1964b: 22, M.
Note. Holotype is lost.
Distribution. Japan, Niigata Pref., Ishiuchi.

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