

New Host Records of Mordellid Beetles (Coleoptera, Mordellidae) from Central Ryukyus

Tomoyuki TSURU¹⁾ and Hiroshi MAKIHARA²⁾

¹⁾ Etigo-Matsunoyama Museum of Natural Science,
Matsunoyama-matsukuchi, Tokamachi City, Niigata, 942–1411 Japan
E-mail: mordellidae@hotmail.com

²⁾ Forestry and Forest Products Research Institute (FFPRI),
1 Matsunosato, Tsukuba, Ibaraki, 305–8687 Japan
E-mail: makihara@ffpri.affrc.go.jp

Mordellid larvae are well known as borers into trunk of woody plants or stem of herbaceous plants. There are, however, few reports about the larval host plants of Japanese Mordellidae, only 12 mordellid species belonging to four genera have hitherto been recorded. In the present report, we observed 81 mordellid specimens emerged from the timber and felled trees which were collected from Central Ryukyus. These specimens were incidentally gathered by the host-plant survey of cerambycid beetles (MAKIHARA, 2004 a, b and 2006). As a result, larval host plants in 12 mordellid species belonging to six genera are newly recorded.

The timber and felled trees were collected by one of the author H. MAKIHARA from three islands of Central Ryukyus, Amami-Ôshima Is., Okinoerabu-jima Is. and Okinawa-jima Is. These were put into plastic cages for every tree species, and set into the homiothermal laboratory (25°C) at Tsukuba (FFPRI). Emerged beetles were gathered at least once a week.

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1. *Mordella niveoscutellata* NAKANE et NOMURA, 1950
Specimen examined. 1 ♀, Mt. Yui-dake, Amami-Ôshima Is., *Mallotus japonicus* (L. f.) MÜLL. ARG. (Euphorbiaceae), 8–VII–2004 coll., 21–VI–2005 emer.
2. *Mordellina (Mordellina) brunneotincta* (MARSEUL, 1876)
Specimens examined. 1 ♂, Mt. Yui-dake, Amami-Ôshima Is., *Ardisia sieboldii* MIQ. (Myrsinaceae), 16–X–2004 coll., 12–VI–2005 emer.; 1 ♂, ditto, 28–V–2005 emer.
3. *Mordellina (Mordellina) hirayamai* (KÔNO, 1933)
Specimens examined. 1 ♂, 1 ♀, Mt. Yui-dake, Amami-Ôshima Is., *Ardisia sieboldii* (Myrsinaceae), 16–X–2004 coll., 6–VIII–2005 emer.; 1 ♀, ditto, 2–VII–2005 emer.; 1 ♀, ditto, 19–VIII–2005 emer.; 1 ♀, ditto, 28–VI–2005 emer.; 1 ♂, Mt. Ô-yama, Okinoerabu-jima Is., *Ficus subpisocarpa* GAGNEP. (Moraceae), 21–IX–2004 coll., 21–IV–2005 emer.; 1 ♀, Mt. Yui-dake, Amami-Ôshima Is., *Morus australis* POIR. (Moraceae), 24–VIII–2004 coll., 6–VIII–2005 emer.; 1 ♀, Mt. Nago-dake, Nago-shi, Okinawa-jima Is., *Symplocos nakaharae* (HAYATA) MASAM. (Symplocaceae), 1–VI–2004 coll., 21–VII–2005 emer.
4. *Mordellina (Pseudomordellistena) pilosovittata* (NAKANE, 1956)
Specimens examined. 1 ♂, Mt. Yui-dake, Amami-Ôshima Is., *Ardisia sieboldii* (Myrsinaceae), 16–X–2004 coll., 28–VIII–2005 emer.; 1 ♀, ditto, 5–VI–2005 emer.; 1 ♀, ditto, 6–VIII–2005 emer.
5. *Mordellina (Pseudomordellistena) pseudohumeralis* (NAKANE, 1956)
Specimen examined. 1 ♀, Mt. Yui-dake, Amami-Ôshima Is., *Ardisia sieboldii* (Myrsinaceae), 16–X–2004

coll., 27-VI-2005 emer.

6. *Glipostenoda rarasana* NOMURA, 1951

Specimens examined. 1 ♂, Mt. Nago-dake, Nago-shi, Okinawa-jima Is., *Camellia japonica* L. (Theaceae), 17-IX-2004 coll., 2-V-2005 emer.; 1 ♀, ditto, 6-V-2005 emer.

7. *Glipostenoda rosseola* (MARSEUL, 1876)

Specimens examined. 1 ♂, Mt. Yui-dake, Amami-Ōshima Is., *Ardisia sieboldii* (Myrsinaceae), 16-X-2004 coll., 27-V-2005 emer.; 1 ♀, ditto, 24-VI-2005 emer.; 1 ♀, ditto, 28-VI-2005 emer.; 1 ♂, ditto, 2-VII-2005 emer.; 3 ♂♂, ditto, 9-VII-2005 emer.; 1 ♂, 3 ♀♀, ditto, 21-VII-2005 emer.; 1 ♂, 1 ♀, ditto, 6-VIII-2005 emer.; 2 ♂♂, ditto, *Castanopsis sieboldii* (MAKINO) HATUS. ex T. YAMAZ. et MASHIBA subsp. *lutchuensis* (KOIDZ.) H. OHBA (Fagaceae), 1-VII-2004 coll., 6-VIII-2005 emer.; 1 ♂, ditto, 28-VII-2004 coll., 24-VI-2005 emer.; 1 ♂, ditto, *Clerodendrum trichotomum* THUNB. (Verbenaceae), 17-VII-2004 coll., 9-V-2005 emer.; 1 ♀, ditto, *Lagerstroemia indica* L. (Lythraceae), 1-VII-2004 coll., 16-V-2005 emer.; 1 ♀, ditto, *Machilus japonica* SIEBOLD et ZUCC. ex BLUME (Lauraceae), 1-VII-2004 coll., 21-VII-2005 emer.; 1 ♀, ditto, *Machilus thunbergii* SIEBOLD et ZUCC. (Lauraceae), 28-VII-2004 coll., 27-V-2005 emer.; 1 ♀, ditto, 28-VII-2004 coll., 21-V-2005 emer.; 1 ♀, *Mallotus japonicus* (Euphorbiaceae), 8-VII-2004 coll., 2-VII-2005 emer.; 1 ♂, 1 ♀, ditto, *Morus australis* (Moraceae), 24-VIII-2004 coll., 6-VIII-2005 emer.; 1 ♂, ditto, 24-VIII-2004 coll., 12-VI-2005 emer.; 2 ♂♂, ditto, *Schefflera octophylla* (LOUR.) HARMS (Araliaceae), 24-VIII-2004 coll., 16-V-2005 emer.; 1 ♀, Mt. Ō-yama, Okinoerabu-jima Is., 21-IX-2004 coll., *Cinnamomum camphora* (L.) J. PRESL (Lauraceae), 29-IV-2005 emer.; 3 ♂♂, Mt. Nago-dake, Nago-shi, Okinawa-jima Is., *Camellia japonica* (Theaceae), 17-IX-2004 coll., 29-IV-2005 emer.; 1 ♂, 1 ♀, ditto, 2-V-2005 emer.; 1 ♀, ditto, 6-V-2005 emer.; 1 ♂, ditto, *Cinnamomum doederleinii* ENGL. (Lauraceae), 17-IX-2004 coll., 26-V-2004 emer.; 1 ♀, ditto, *Diospyros morristiana* HANCE (Ebenaceae), 17-IX-2004 coll., 2-V-2005 emer.; 1 ♀, ditto, *Symplocos caudata* WALL. ex G. DON (Symplocaceae), 17-IX-2004 coll., 21-VII-2005 emer.; 1 ♀, ditto, *Symplocos nakaharae* (Symplocaceae), 1-VI-2004 coll., 15-VII-2005 emer.; 1 ♀, ditto, 1-VI-2004 coll., 6-VIII-2005 emer.; 1 ♀, ditto, 1-VI-2004 coll., 21-VII-2005 emer.

8. *Falsomordellina amamiana* (NOMURA, 1961)

Specimens examined. 1 ♂, Mt. Ō-yama, Okinoerabu-jima Is., *Daphniphyllum teijsmannii* ZOLL. ex KURZ (Daphniphyllaceae), 21-IX-2004 coll., 14-III-2005 emer.; 2 ♂♂, *Ilex liukiensis* LOES. (Aquifoliaceae), 21-IX-2004 coll., 8-III-2005 emer.

9. *Falsomordellina luteoloides* (NOMURA, 1932)

Specimens examined. 1 ♀, Mt. Ō-yama, Okinoerabu-jima Is., *Cinnamomum camphora* (Lauraceae), 21-IX-2004 coll., 8-III-2005 emer.; 1 ♂, Mt. Yui-dake, Amami-Ōshima Is., *Morus australis* (Moraceae), 24-VIII-2004 coll., 29-IV-2005 emer.

10. *Falsomordellina takaosana* (KŌNO, 1935)

Specimens examined. 1 ♀, Mt. Yui-dake, Amami-Ōshima Is., *Ardisia sieboldii* (Myrsinaceae), 16-X-2004 coll., 7-VI-2005 emer.; 1 ♀, ditto, *Castanopsis sieboldii lutchuensis* (Fagaceae), 1-VII-2004 coll., 28-VIII-2005 emer.; 1 ♀, ditto, *Elaeocarpus sylvestris* (LOUR.) POIR. var. *ellipticus* (THUNB.) H. HARA (Elaeocarpaceae), 1-VII-2004 coll., 7-VI-2005 emer.; 1 ♀, ditto, *Pinus lutchuensis* MAYR (Pinaceae), 1-VII-2004 coll., 10-VI-2005 emer.; 1 ♀, Mt. Nago-dake, Nago-shi, Okinawa-jima Is., ditto, 1-VI-2004 coll., 15-VII-2005 emer.; 3 ♀♀, ditto, *Camellia japonica* (Theaceae), 17-IX-2004 coll., 18-VI-2005 emer.; 1 ♀, ditto, *Ficus ampelas* BURM. f. (Moraceae), 17-IX-2004 coll., 24-VI-2005, emer.; 1 ♀, ditto, 17-IX-2004 coll., 9-VII-2005 emer.; 1 ♀, ditto, *Symplocos caudata* (Symplocaceae), 17-IX-2004 coll., 15-VII-2005 emer.

11. *Mordellistenoda ohsumiana* (NAKANE, 1957)

Specimens examined. 2 ♀♀, Mt. Nago-dake, Nago-shi, Okinawa-jima Is., *Camellia japonica* (Theaceae), 17-IX-2004 coll., 2-V-2005 emer.; 1 ♂, ditto, 17-IX-2004 coll., 2-IV-2005 emer.; 1 ♀, *Euodia meliifolia* auct.

non (HANCE ex WALP.) BENTH. (Rutaceae), 17-IX-2004 coll., 9-III-2005 emer.; 1 ♀, ditto, 17-IX-2004 coll., 28-III-2005 emer.; 1 ♂, Mt. Yui-dake, Amami-Ōshima Is., *Pinus luchuensis* (Pinaceae), 24-VIII-2004 coll., 12-VI-2005 emer.

12. *Tolidopalpus galloisi* (KŌNO, 1932)

Specimens examined. 1 ♀, Mt. Nago-dake, Nago-shi, Okinawa-jima Is., *Symplocos caudata* (Symplocaceae), 17-IX-2004 coll., 28-VII-2005 emer.

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