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Taxonomic status of the subgenus *Conoblasta* Förster 1869 of the genus *Glypta* Gravenhorst 1829 with revision of Japanese species (Hymenoptera, Ichneumonidae, Banchinae)

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Abstract

The Japanese species of subgenus *Conoblasta* Förster 1869 sensu Aubert (1978) and Kuslitzky (1974, 2007) of the genus *Glypta* Gravenhorst 1829 are reviewed. No reliable synapomorphies are found for the species of *Conoblasta* after all and thus we conclude that they should be treated as a tentative species group. Eighteen species of the *Conoblasta* species group, including 11 new species (*G. cognata* **sp. nov.**, *G. daisetsuzana* **sp. nov.**, *G. densepunctata* **sp. nov.**, *G. flavitarsus* **sp. nov.**, *G. ichitai* **sp. nov.**, *G. karasawensis* **sp. nov.**, *G. nipponica* **sp. nov.**, *G. shigaensis* **sp. nov.**, *G. suwai* **sp. nov.**, *G. touyaensis* **sp. nov.**, *G. zenibakoensis* **sp. nov.**) and two newly recorded species (*G. chinensis* (Uchida 1956) and *G. extincta* Ratzeberg 1852), are recognized from Japan. A key to the Japanese species is provided.

Key words: Far East Asia, Glyptini, new species, parasitoid, taxonomy, Tortricidae

Introduction

The genus *Glypta* Gravenhorst 1829 is a very large genus of the tribe Glyptini of the ichneumonid subfamily Banchinae, comprising more than 400 described species worldwide (Yu *et al*. 2012). Förster (1869) proposed two genera related to *Glypta*, *Conoblasta* Förster 1869 and *Diblastomorpha* Förster 1869, based on the number of frontal horns lying above or between antennal sockets (i.e. *Conoblasta* with a single horn between antennal sockets and *Diblastomorpha* with a pair of horns above them). They have been treated as separate genera (Förster 1869) and separate subgenera of *Glypta* (Schmiedeknecht 1934; Kuslitzky 1974, 2007; Aubert 1978) or as non-subgeneric junior synonyms of *Glypta* (Momoi 1963; Townes 1970; Gauld *et al.* 2002; Yu *et al.* 2012). Recently, we reclassified *Diblastomorpha* and revised its taxonomic status from a subgenus of *Glypta* to an independent genus containing only a single species *D. cylindrator* (Förster 1869) (Watanabe & Maeto 2013). Two species previously belonging to the subgenus *Diblastomorpha*, *G. biauriculata* Strobl 1901 and *G. delicatula* Kuslitzky 2007, were tentatively transferred to the subgenus *Conoblasta* of *Glypta* (Watanabe & Maeto 2013).

The subgenus *Conoblasta* sensu Aubert (1978) and Kuslitzky (1974, 2007) is found from the Palaearctic, Nearctic, and Oriental Regions, comprising about one-fourth to one-third of the species of *Glypta*. In Japan, six species of *Glypta*, *G. acares* Momoi 1965, *G. biauriculata*, *G. cymolomiae* Uchida 1932, *G. delicatula, G. kamijoi* Momoi 1966, and *G. tumor* Momoi 1970, have been classified into the subgenus *Conoblasta* (Momoi 1963, 1965, 1966, 1970; Kuslitzky 2007; Watanabe & Maeto 2013), but we ought to suspect the monophyly of the subgenus. In this study, we reconsidered the taxonomic status of the subgenus *Conoblasta* sensu Aubert (1978) and Kuslitzky (1974, 2007) and then revised its Japanese species.

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