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## The identity of *Aspidomorpha quadrimis* GYLLENHAL (Coleoptera: Chrysomelidae: Cassidinae)

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ABSTRACT. *Aspidomorpha quadrimis* (GYLLENHAL in SCHÖNHERR, 1808) is used as valid name for *A. tecta* BOHEMAN, 1854 based on type material study and a lectotype designation is given for it here. Moreover, author and year of description is corrected for the first time here. Following new synonyms are proposed: *A. quadrimis* (GYLLENHAL in SCHÖNHERR, 1808) = *A. tecta* BOHEMAN, 1854, **syn. nov.** = *A. silacea* BOHEMAN, 1854, **syn. nov.** Due to the new synonymy *Cassida cincta* FABRICIUS, 1781 becomes unnamed because of homonymy with *C. cincta* DE GEER, 1775, and thus *Aspidomorpha fabricii* **nom. nov.** is proposed for it here.

Key words: entomology, taxonomy, Coleoptera, Chrysomelidae, Cassidinae, lectotype designation, new name, new synonymy.

### INTRODUCTION

GYLLENHAL in SCHÖNHERR (1808) described *Cassida quadrimis*. Boheman (1856) synonymized it with *C. cincta* FABRICIUS, 1781 and cited SCHÖNHERR as the author of *C. quadrimis*. However, the correct author is GYLLENHAL because he is mentioned under the description as the describer. Moreover, the species have been cited with year of publication 1817 while it was published in 1808, thus author and original year are corrected here. BOHEMAN (1856) as well as BOROWIEC (1999) treated as type specimen in SCHÖNHERR's collection which is truly conspecific with *C. cincta* but does not represent a type of *C. quadrimis*. During my studies in Naturhistoriska Riksmuseet and Uppsala University Zoological Museum I had an opportunity to study both specimens. Taxonomic changes are given below.

*Aspidomorpha quadrimoris* (GYLLENHAL in SCHÖNHERR, 1808)

*Cassida quadrimoris* GYLLENHAL in SCHÖNHERR, 1808: 223.

*Aspidomorpha quadrimoris*: LUCAS, 1849: 53.

*Aspidomorpha tecta* BOHEMAN, 1854: 276, **syn. nov.**

*Aspidomorpha silacea* BOHEMAN, 1854: 277, **syn. nov.**

*Cassida quadrimoris* was cited by only four authors after its description: by BOHEMAN (1856) as synonym of *C. cincta* FABRICIUS, 1781; by KLUG (1835) as synonym of *C. quinquefasciata* FABRICIUS, 1801; by LUCAS (1849) as valid species within *Aspidomorpha*; and by BOROWIEC (1999) as valid species with *C. cincta* FABRICIUS, 1781 as synonym. All results above were based on incorrect type specimen from SCHÖNHERR's collection which is truly conspecific with *C. cincta* FABRICIUS, 1781.

I found the true type in the GYLLENHAL's collection housed in Uppsala University Zoological Museum with following labels: "a [red, printed and cardboard label] // Uppsala Univ. Zool. Mus. / Gyllenhals saml. TYP nr. / 1409 [red, printed and cardboard label]" designated here as lectotype and provided with following label: "LECTOTYPUS / Cassida / quadrimoris / Gyllenhal in Schönherr, 1808 / L. Sekerka des. 2008 [red, printed and cardboard label]". The type is conspecific with *Aspidomorpha tecta* BOHEMAN, 1854 as well as with its present synonym *A. silacea* BOHEMAN, 1854. Both species are synonymized here with *A. quadrimoris*.

*Aspidomorpha fabricii* SEKERKA, **nom. nov.**

*Cassida cincta* FABRICIUS, 1781: 109 (nec. *C. cincta* DE GEER, 1775).

*Cassida quadrimoris* [misidentification]: BOHEMAN, 1856: 105; KLUG, 1835: 47; BOROWIEC, 1999: 197.

Due to the new synonymy above *Aspidomorpha quadrimoris* is not an available name for *C. cincta* FABRICIUS, 1781 nec. *C. cincta* DE GEER, 1775. As *C. cincta* FABRICIUS is younger unavailable homonym I propose here *Aspidomorpha fabricii* as a new replacement name for it. All records given under *A. quadrimoris* in BOROWIEC (1999) should be transferred to *A. fabricii*.

I have also examined the type specimen of *C. cincta* DE GEER, 1775 (housed in Naturhistoriska Riksmuseet, Stockholm) and I can confirm its synonymy with *Chelymorpha marginata* (LINNÉ, 1758).

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