



Two new species of *Costasensora* Fibiger, 2010 and *Asyprocessa* Fibiger, 2010 from Malaysia and Cambodia (Lepidoptera, Erebidae, Hypenodinae, Micronoctuini). Taxonomic study of Micronoctuini. Contribution VI.

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Both genera *Costasensora* Fibiger, 2010 and *Asyprocessa* Fibiger, 2010 were described by Fibiger in the family Micro-noctuidae, subfamily Tactusinae, tribes Tactusini and Obscurini (sensu Fibiger 2010), respectively. Since the Micronoctu-idae was reduced to tribal status (Erebidae: Hypenodinae: Micronoctuini) (Holloway 2011; Zahiri *et al.* 2012). Tactusinae is here recognized as a subtribe Tactusina and the tribes Tactusini and Obscurini (sensu Fibiger 2010) are unrecognized.

Costasensora was established as the monotypic based on *C. honeyi* Fibiger, 2010 from Sarawak, Borneo, and to date it is known only from East Malaysia. A second species of this genus—*C. fibigeri* **sp. n.** has been collected in Sabah state, Borneo, East Malaysia is described below.

Asyprocessa originally included three species, type species *A. wapi* Fibiger, 2010, *A. laevi* Fibiger, 2010 and *A. spinus* Fibiger, 2010, distributed in Southeast Asia (Laos, Cambodia, Malaysia and Thailand). A fourth species, *A. ysbaei* **sp. n.** is described below from Cambodia.

The holotypes of both new species, are deposited in the collections of Northeast Forestry University, Harbin, China (NEFU); the paratypes of the *A. ysbaei* are deposited in the collection of the Incheon National University (INU), Incheon, Republic of Korea.

Systematics

Genus *Costasensora* Fibiger, 2010

Costasensora Fibiger, 2010. *Zootaxa*, 2583: 53–54.

Type species: *Costasensora honeyi* Fibiger, 2010. Type locality: Malaysia, Borneo, Sarawak. Holotype: male, NHM [BMNH].

Costasensora was described by Fibiger (2010) based on the type-species; some features of the male genitalia are added here to supplement the original description.

Supplement to the original description (Figs 1–4, 9–11). *Head and thorax*. Labial palps porrect; third segment 1/3 of second, narrow. Head, patagia, anterior part of tegulae, prothorax, basal part of costa, costal part of forewing in medial, and terminal areas, including fringes, blackish-brown; medial spot in the costal area quadrangular in shape. Forewing ground colour whitish yellow; reniform stigma indistinct, small, white. Hindwing grey, with indistinct discal spot. *Abdomen*. Grey; with dorsal tuft on basal segment.

Male genitalia. Tegumen short or regular, thick, with sclerotized ring in upper part; vinculum asymmetrical, thick and broad; saccus variable in shape, broad or narrow, Y or V-shaped, with or without medial crest, with or without long, thin, curved saccus; valvae might be asymmetrical, right valva 1.5X longer than left, or valvae equal in length, extended apically; process of sacculus conical prickle, extends downward or absent; ampulla setose, bilobed, asymmetrical, left lobe tongue-like; right lobe 1.5 to 2X as broad than left one, apically rounded, medially with small thorn-like dorsal extension; juxta large, sclerotized, with medial crest; asymmetrical: left part upper or under quadrangular in shape, right part apically pointed or triangle; anellus plate prominently asymmetrical, basally with lateral hornlike processes, distally long or regular, spatulate or irregularly trapezoid, with rounded, or weak, small apical extension; aedeagus smoothly curved or curved under right angle, tapering apically; vesica with minute cornutus. *Female genitalia*. Unknown.