

- 234 - CS5 setulose along anterior margin along more than basal 1/2, at most almost entirely; hind
 235 tibia with 2 *av*, without fringe on postero-ventral surface *My. caudagalli* (Böttcher)

236

237 **Key to the species *Iranihindia***

- 238 1. Tergite 3 with strong marginal bristles (*mb*); stylus long and blunt*I.*

239 *martellatoides* (Baranov)

- 240 - Tergite 3 without median *mb*; stylus short and pointed *I. martellata* (Senior-White)

241 **Discussion**

242 Thailand is located in the tropics and contains various ecological niches and habitats,
 243 providing an ideal environment for variety of insects, including flesh flies. Based on the
 244 catalogue of Sarcophagidae of the World (Pape 1996), *Mi. tibita* is distributed in the
 245 Palaearctic region – China (Tibet). This study is the first record of this species in Thailand.
 246 *Mi. tibita* share a similar characteristic with another related species, *Miltogramma*
 247 *bimaculatum* Chao & Zhang. There is a noteworthy difference in the appearance between
 248 them, based on the illustrations of Fan (1992) (Figs. 1205e,1207e) in that *Mi. tibita* possesses
 249 fine long hairs on the dorsal surface of second to fourth tarsomere of the foreleg, whereas
 250 those of *Mi. bimaculatum* occur on the fourth tarsomere and are longer in length.

251 Regarding *I. martellata*, this species seems to be widely distributed in and around the
 252 Indian subcontinent of the Oriental region – India, Nepal, and Sri Lanka (Pape 1996), but it
 253 has been newly recorded in Malaysia recently (Tan *et al.* 2010). Habitats seem to be variable,
 254 such as a school cafeteria and restaurants (in this study) that are located in urban areas,
 255 gardens or bushes in residential areas and a sandy beach in Malaysia (Tan *et al.*, 2010),
 256 bushes and flowering plants (Nandi, 2002), or forests in India (Nandi, 1989).

In conclusion, *Mi. tibita*, *My. situliformis*, and *I. martellata* were newly recorded in Thailand, making a total of 86 species of sarcophagid flies in the country.

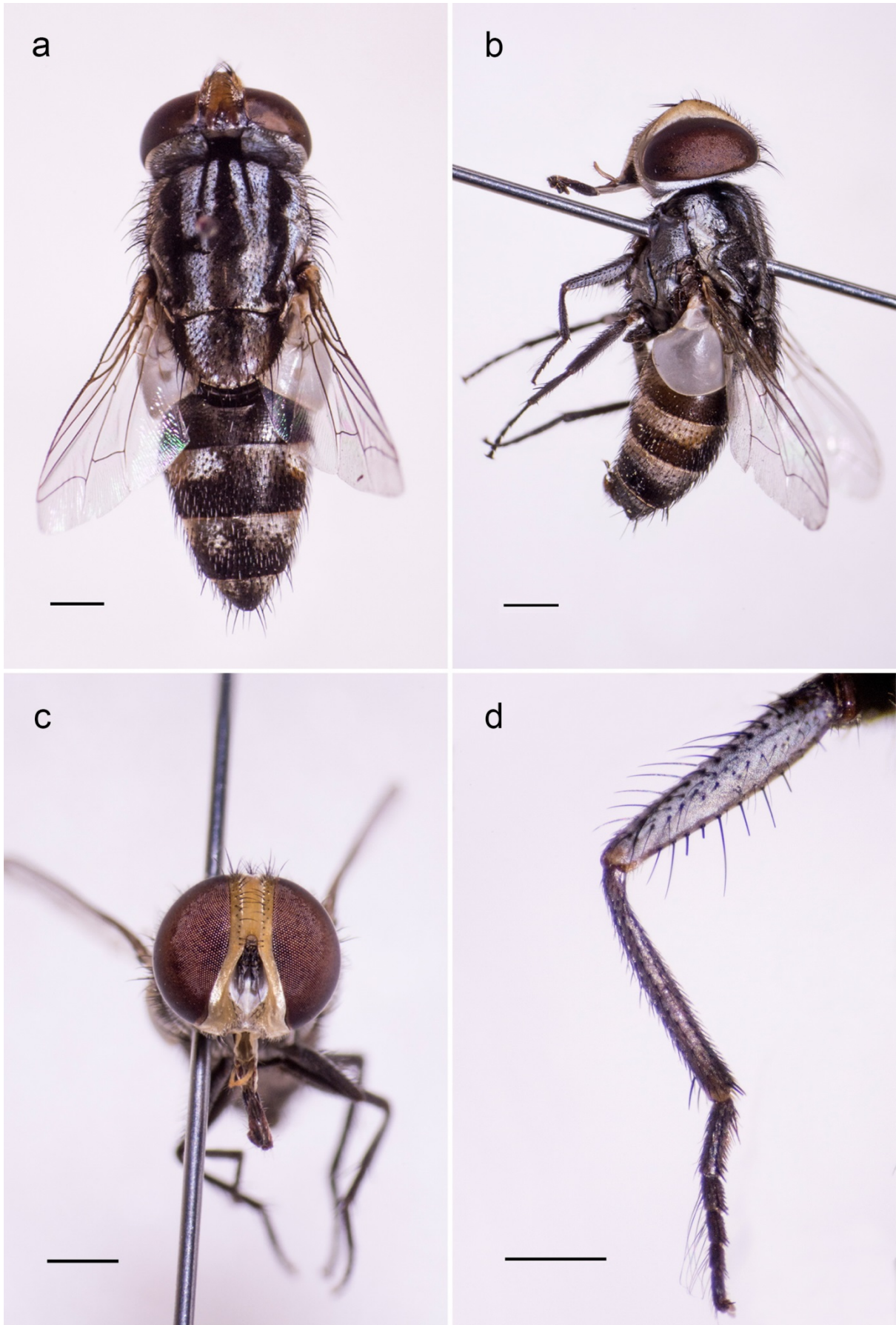
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309 **Fig. 1** Male *Mi. tibita*. (a) Dorsal view. Bar = 1 mm. (b) Lateral view. Bar = 1 mm. (c)
310 Anterior view of the head showing golden parafrontal and parafacial, blackish antennae.
311 Bar = 1 mm. (d) Second to fourth tarsal segment of foreleg showing long hairs on dorsal
312 surface. Bar = 0.5 mm.

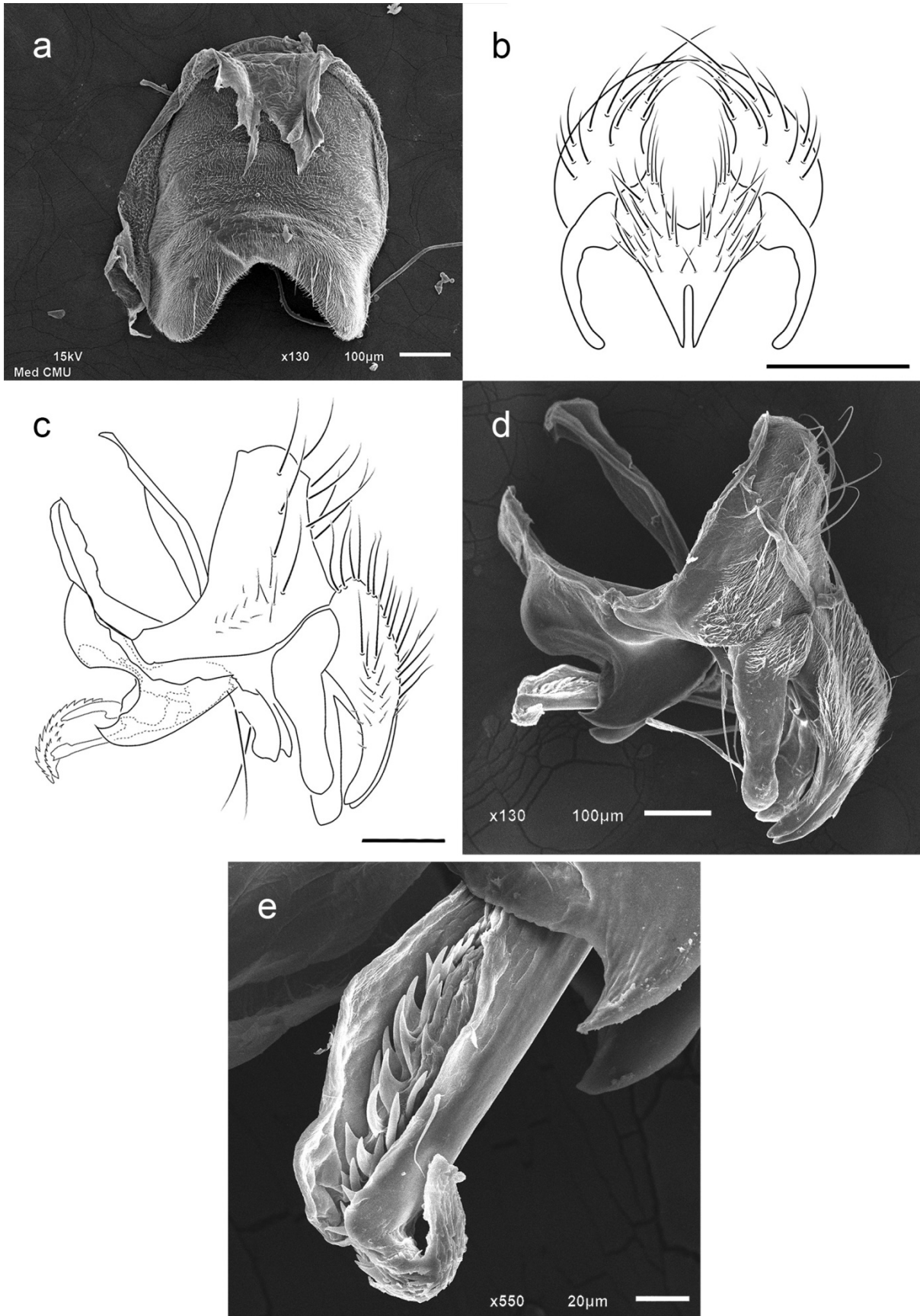


Fig. 2 Male *Mi. tibita*. (a) SEM micrograph of fifth sternite. (b) Posterior view of cerci and surstyli. Bar = 0.1 mm. (c) Lateral view of male genitalia. Bar = 0.1 mm. (d) SEM micrograph of male genitalia. (e) SEM micrograph of aedeagus showing tubular juxta and membranous antero-lateral and serrated medially median stylus.

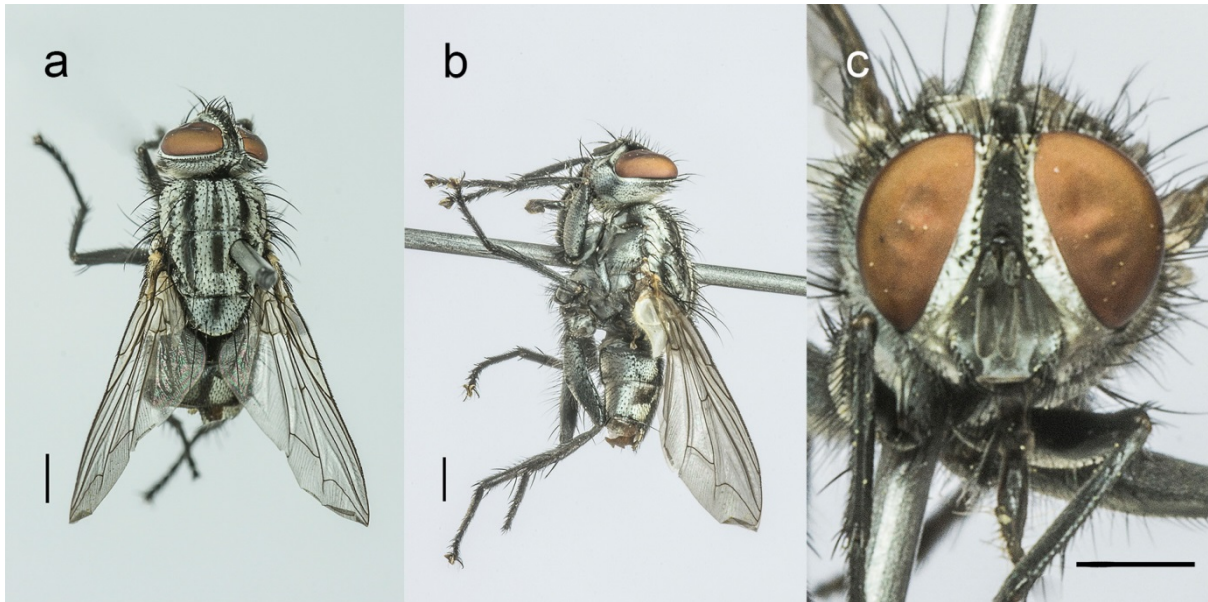


Fig. 3 Male *My. situliformis*. (a) Lateral view. Bar = 1 mm. (b) Dorsal view. Bar = 1 mm. (c) Anterior view of the head showing golden parafrontal and parafacial, blackish antennae. Bar = 1 mm.

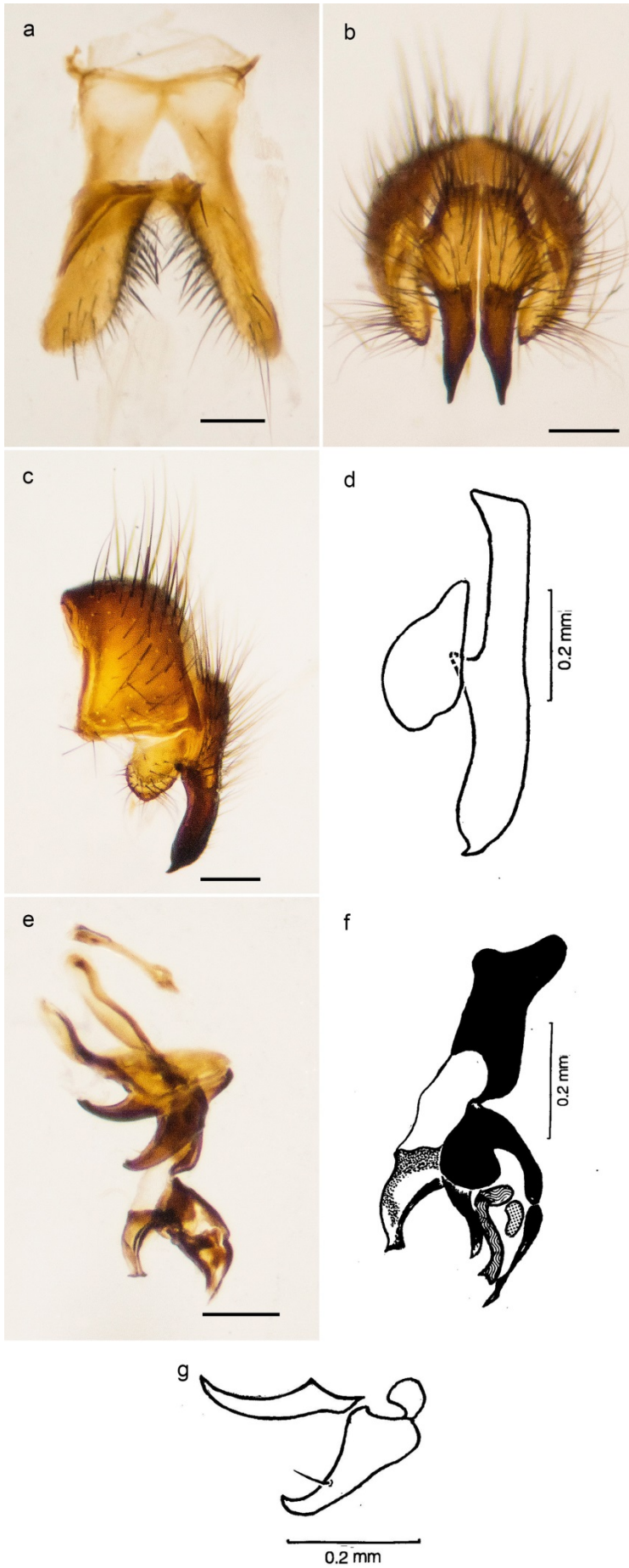


Fig. 4 Male *My. situliformis*. (a) Light micrograph of fifth sternite. (b) Light micrograph of cercus and surstylus, posterior view. (c) Lateral view of cercus and surstylus. (d) Illustrations of cercus and surstylus, lateral view. (e) Light micrograph of aedeagus, pregonite and postgonite, lateral view. (f) Illustrations of aedeagus, lateral view. (g) Illustrations of pregonite and postgonite, lateral view.

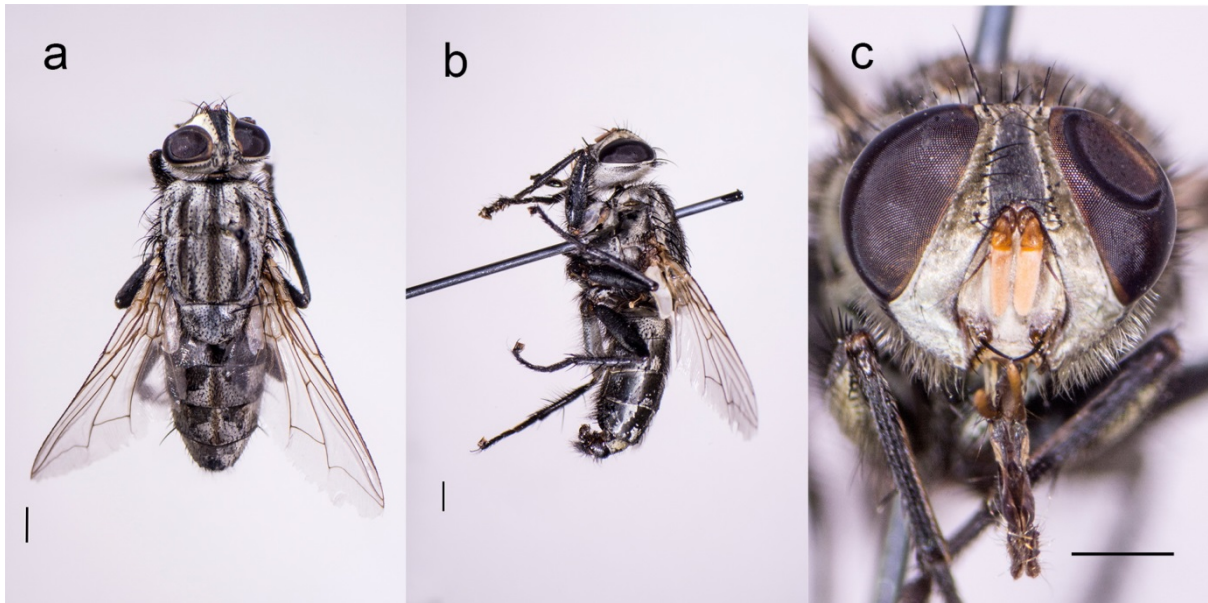
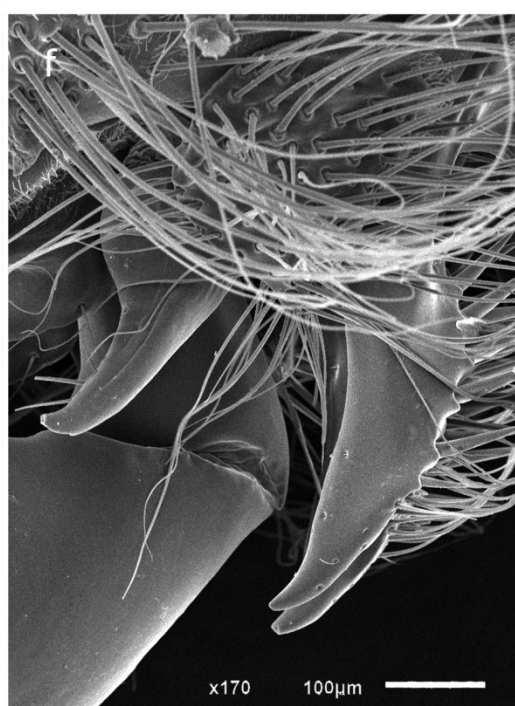
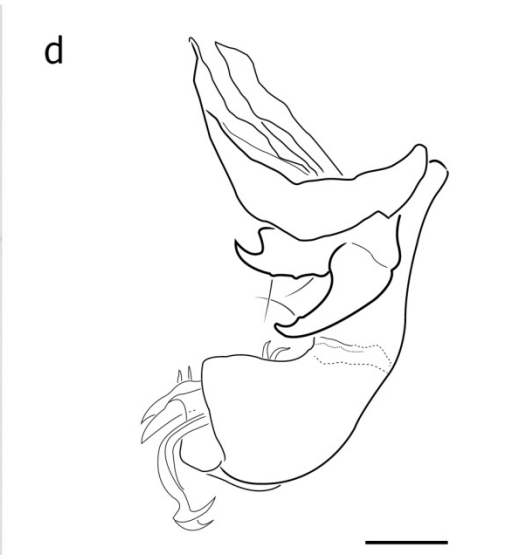
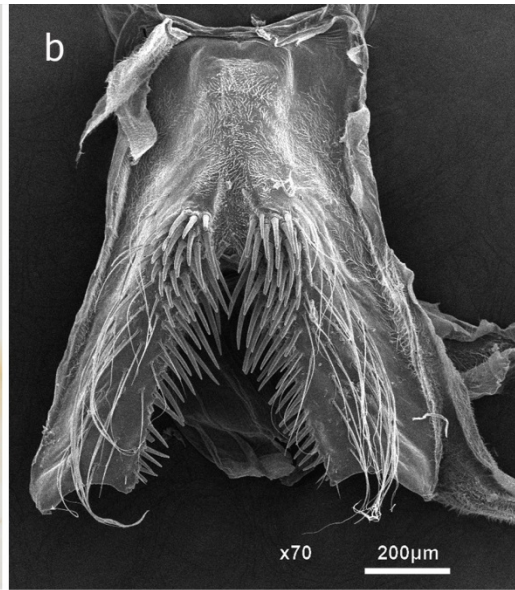
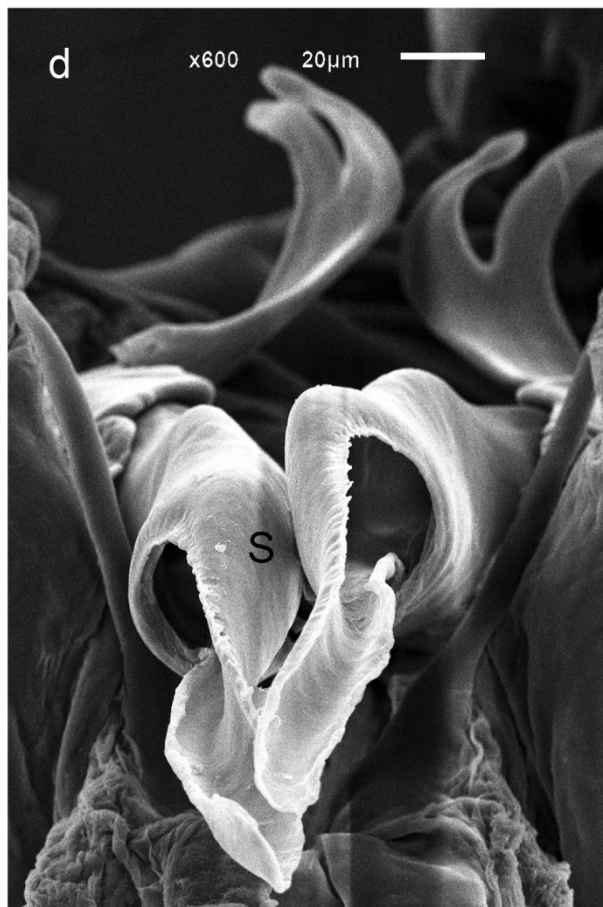
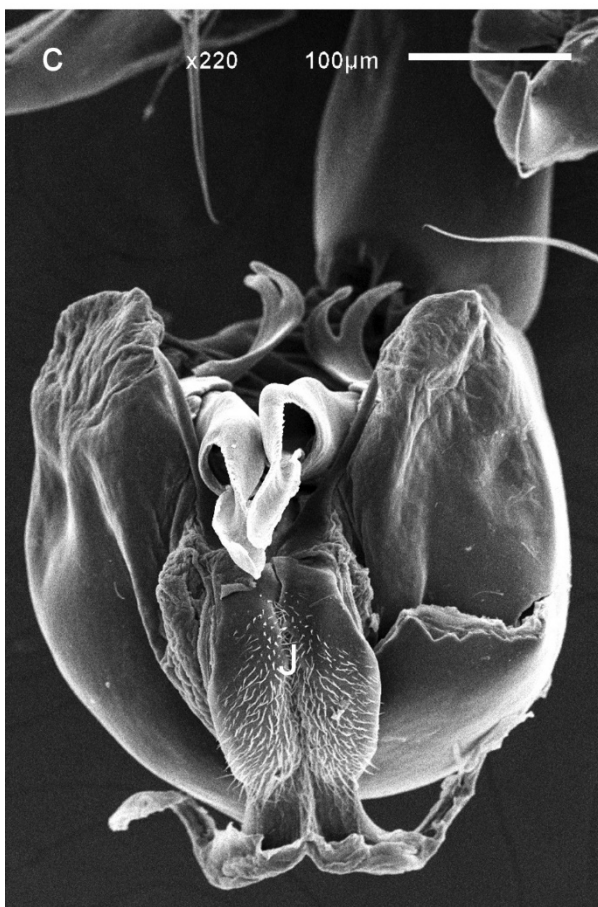
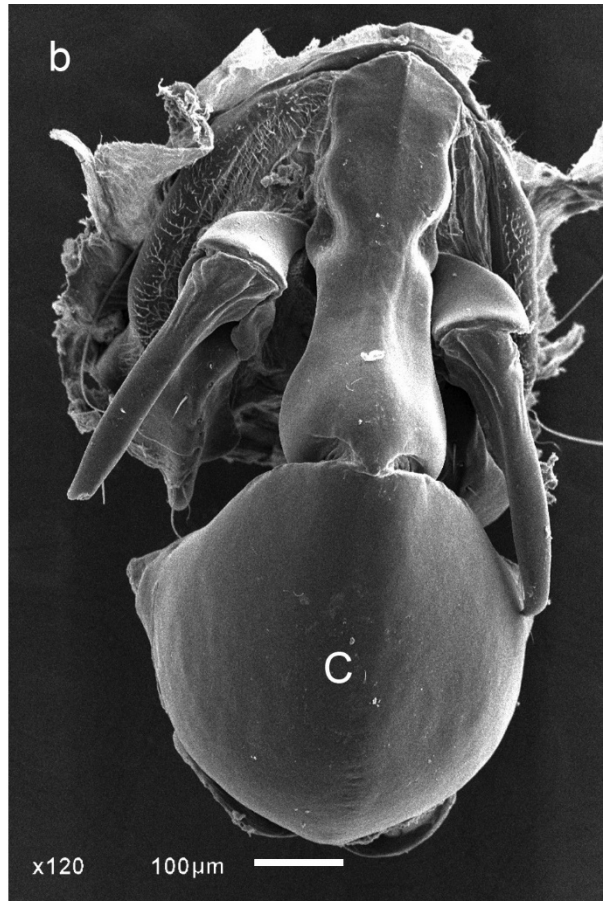


Fig. 5 Male *I. martellata*. (a) Dorsal view. Bar = 1 mm. (b) Lateral view. Bar = 1 mm. (c) Anterior view of the head showing yellowish-red to orange antennae. Bar = 1 mm.



332 **Fig. 6** Male *I. martellata*. (a) Light micrograph of fifth sternite. Bar = 0.2 mm. (b) SEM
333 micrograph of fifth sternite. (c) Light micrograph of male genitalia, lateral view. Bar =
334 0.2 mm. (d) Illustrations of male genitalia, posterior view. Bar = 0.2 mm. (e)
335 Illustrations of cerci and surstyli. Bar = 0.1 mm. (f) SEM micrograph of cercus (C) and
336 surstylus, lateral view.



338 **Fig. 7** SEM micrographs of aedeagus *I. martellata*. (a) Lateral view showing large corpus
339 (C). (b) Posterior view showing large rounded corpus (C). (c) Top view showing
340 plough-shaped antero-lateral membranous juxta (J). (d) Higher magnification showing
341 curved inwards and serrated stylus (S).