

A new species of the genus *Coenosia* from Sichuan, China (Diptera: Muscidae)

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Abstract: This paper describes a new species of *Coenosia* from China, *C. fengi* sp. nov. The new species belongs to the *C. albicornis*-group by sharing the following characters: antennae short, male epiphallus weak, cerci and surstyli slender and longer. Type specimen is deposited in Shenyang Normal College.

Key words: Diptera; Muscidae; *Coenosia*; new species

Coenosia fengi sp. nov. (Figs. 1~4)

♂ Body length 4.5 mm.

Head Compound eyes bare, lower-posterior margin not concave forward, frons at vertex about 1/3 of head width, front part of frons narrower, interfrontalia dark brown with orange pollen, about 2.2 times of a parafrontalia width; frontal triangle greyish-orange pruinose, extending to the middle of frons; ocellar bristles well developed, longer than width of frons, slightly longer than postvertical bristles, but shorter and thinner than inner vertical bristles; one pair of superior orbitals, three pairs of inferior orbitals; parafrontalia and parafacialia light yellow pruinose, width of parafacialia about 2/5 that of third antennal segment; antennae blackish-brown, shorter and broader, length of third segment about 1.5 times that of second segment, inferior margin round, the distance from antennal apex to lower margin of epistoma almost equal to the length of third segment, arista with short ciliae, length of cilia about 1/2 width of arista base; epistoma extended ahead of vibrissal angle, and in profile view in the same vertical line with frontal angle or behind it slightly; genal height about 1/6 of eye height, palpus dark brown, slightly longer than prementum, prementum bright.

Thorax Ground-colour dark black, pollen blue-grey to grey, scutum with 5 brown vittae, the middle three distinct, reaching scutellar sulcus, scutellum with a wide orange pollinos vitta. *Acr* in two rows, *dc* 1 + 3, *ia*

0 + 1, basal and apical scutellar bristles strong, two propleural and two prostigmal bristles; three sternopleural bristles, in triangular position, the lower a little nearer to the anterior one and a little higher than known species. Wings: slightly transparent, veins orange, basicosta dark brown, costal spine distinct, costa extending to the apex of m_{1+2} ; squamae light yellow to white; halteres slightly yellow. Legs: tibiae, trochanters and apical part of femora yellow, coxae and main part of femora blackish-brown, tarsi black and shorter than tibiae; fore tibia with a medial *p* bristle being about 1/2 as long as tibia; mid femur with one super-medial *av* bristle, one submedial *av* bristle, a row of anterior seta obviously on basal half, five to six *pv* bristles on basal 3/5, two pre-apical *pd* bristles, one *a* bristle; mid tibia with a submedial *ad* bristle, a medial *pd* bristle; hind femur with a row of *av* bristles, the submedial one longer and stronger than the other ones, in addition, it with seven long *pv* bristles on basal 2/3 part, hind tibia with two long *av* bristles, and the super one longer, one developed super-medial *ad* bristle, one pre-apical *d* bristle, one medial and one super-medial *pd* bristles, short.

Abdomen Ground-colour black with grey to light grey pollen, cone-shaped in dorsal view, middle part of dorsal margin slightly arched and ventral margin flat in lateral view, 5th sternite slightly exserted, ventral edge of tergites brown, cerci and surstyli orangeish-yellow, tergites each with an orange median vitta and a pair of indis-

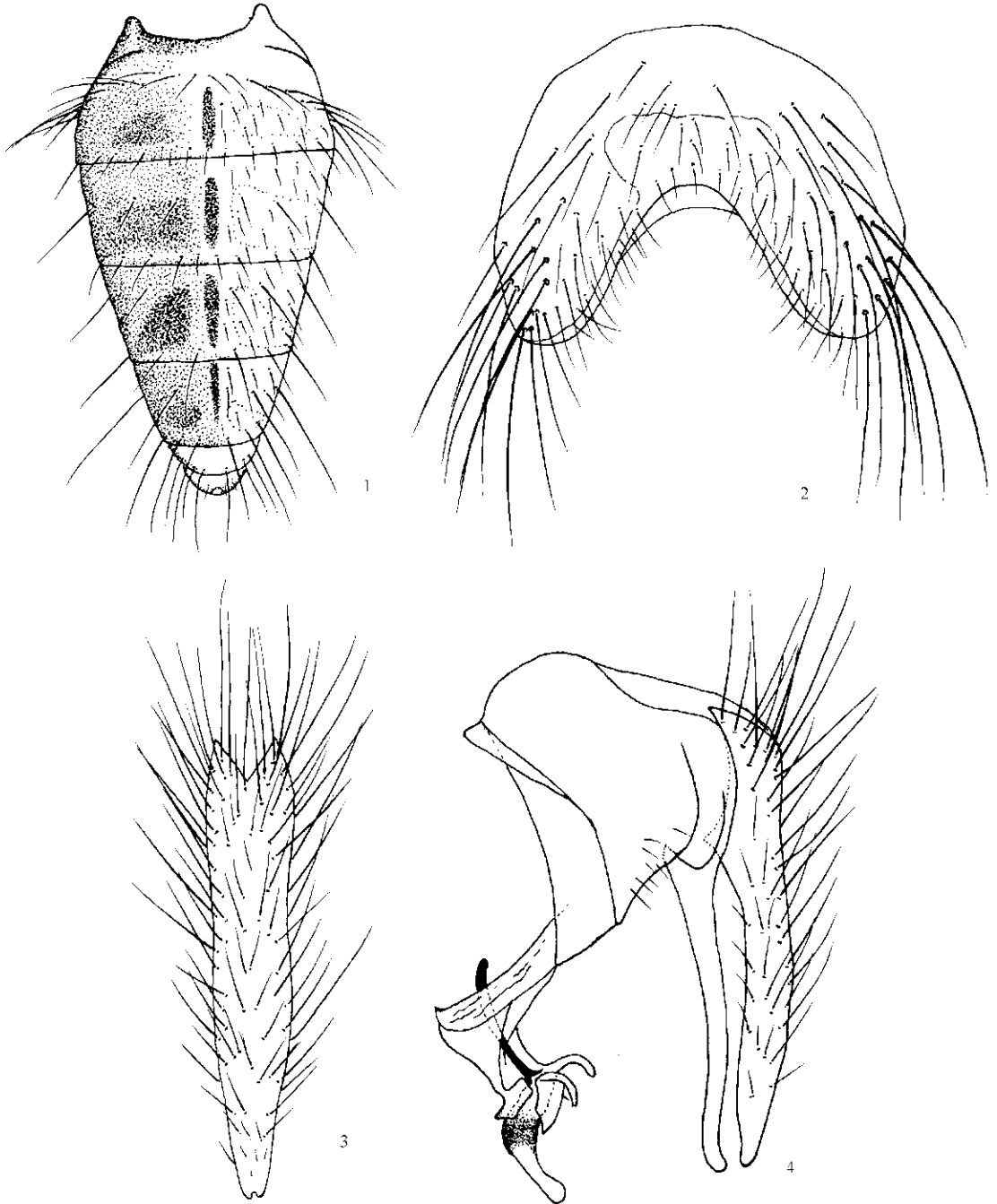
tinct orange lateral pruinose spots; 1st sternite bare.

♀ Unknown.

Holotype ♂, Yaan (30°00'N, 102°57'E), Sichuan Province, 590 m, Apr. 1, 1983, collected by LI Guang-Shi.

This new species is closely related to *C. oralis*

Schnabl, 1915^[1-3], but differs from the latter in having the following characters: parafacialia narrower, about 2/5 width of antenna, mid tibia with only one *ad* bristle, hind femur with a row of *pv* bristles on basal 2/3 part, hind tibia with two long *av* bristles, cercus broader in lateral view.



Figs. 1~4 *Coenosia fengi* sp. nov. ♂

1. dorsal view of abdomen; 2. ventral view of 5th sternite;
3. posterior view of cerci; 4. lateral view of terminalia

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中国秽蝇属一新种

(双翅目: 蝇科)

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摘要: 记述了采自我国四川省的蝇科秽蝇属一新种, 冯氏秽蝇 *Coenosia fengi* sp. nov.。新种具有触角较短、雄蝇阳基后突较弱、肛尾叶和侧尾叶细长等特征, 应隶属白角秽蝇种团 (*Coenosia albicornis*-group)。新种近似于分布在俄罗斯西伯利亚地区的 *Coenosia oralis* Schnalb, 1915, 但新种雄蝇侧颜较窄, 仅为触角宽的 2/5, 中胫前背鬃 1, 后股后腹鬃仅分布于基部 2/3, 后胫具 2 根长的前腹鬃, 肛尾叶侧面观较宽等即可区别。模式标本保存于沈阳师范学院生物系。

关键词: 双翅目; 蝇科; 秽蝇属; 新种

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