

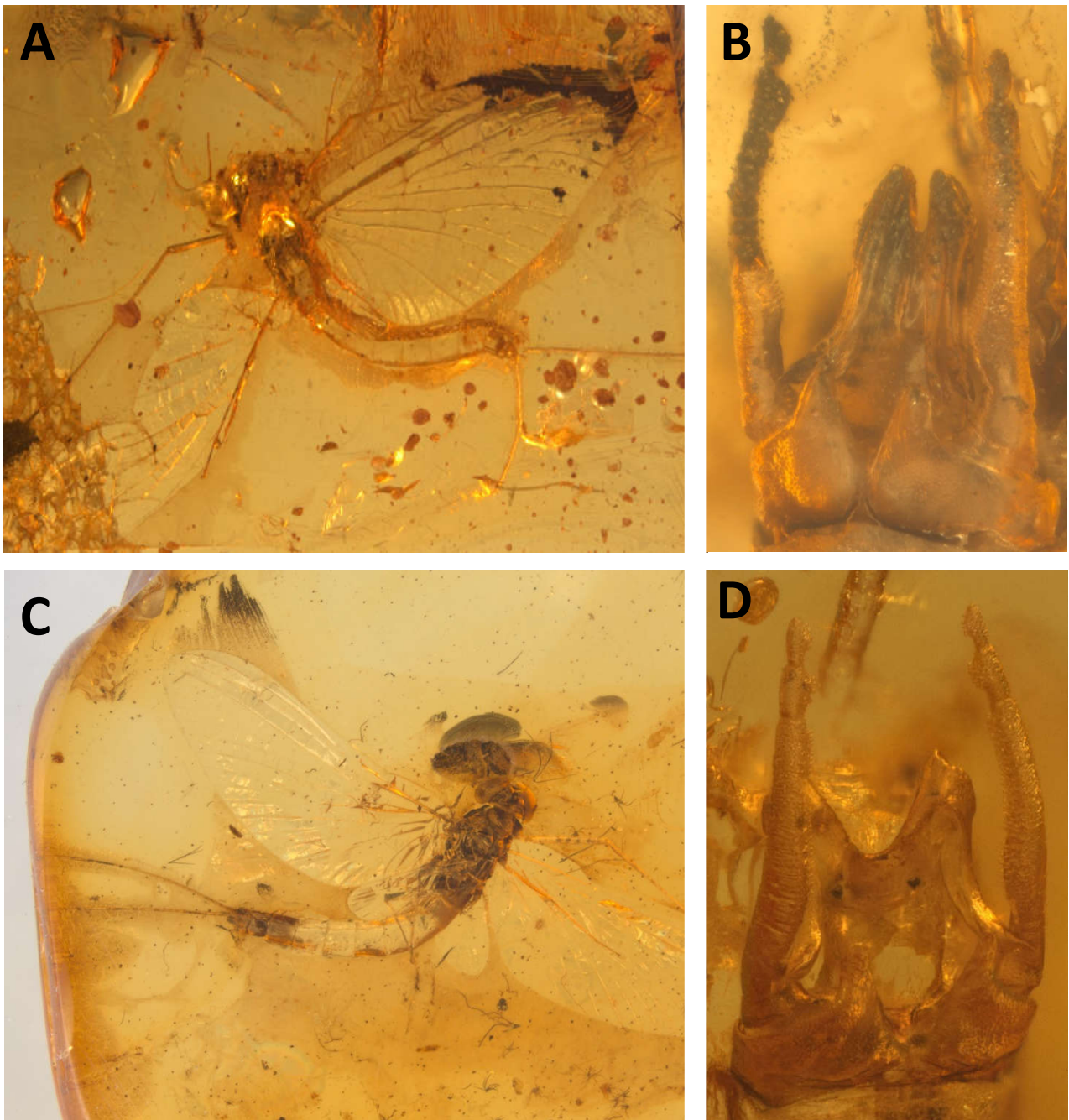


Figure S1. *Paraleptophlebia electra* (Kluge, 1993) (**A, B**), male imago; Eocene Baltic amber; Christel and Hans-Werner Hoffeins collection, nr. 1039: (**A**) body of male embedded in piece of amber in dorsal view; (**B**) genitalia in ventral view; *Paraleptophlebia* cf. *prisca* (Pictet & Hagen, 1856) (**C, D**), male imago, Eocene Baltic amber; Christel and Hans-Werner Hoffeins collection, nr. 363 [conspecificity this specimen with lectotype of *P. prisca* is suggested based on similarities of measurements and wings venation]: (**C**) body of male embedded in piece of amber in ventral view; (**D**) genitalia in ventral view. Without scales.

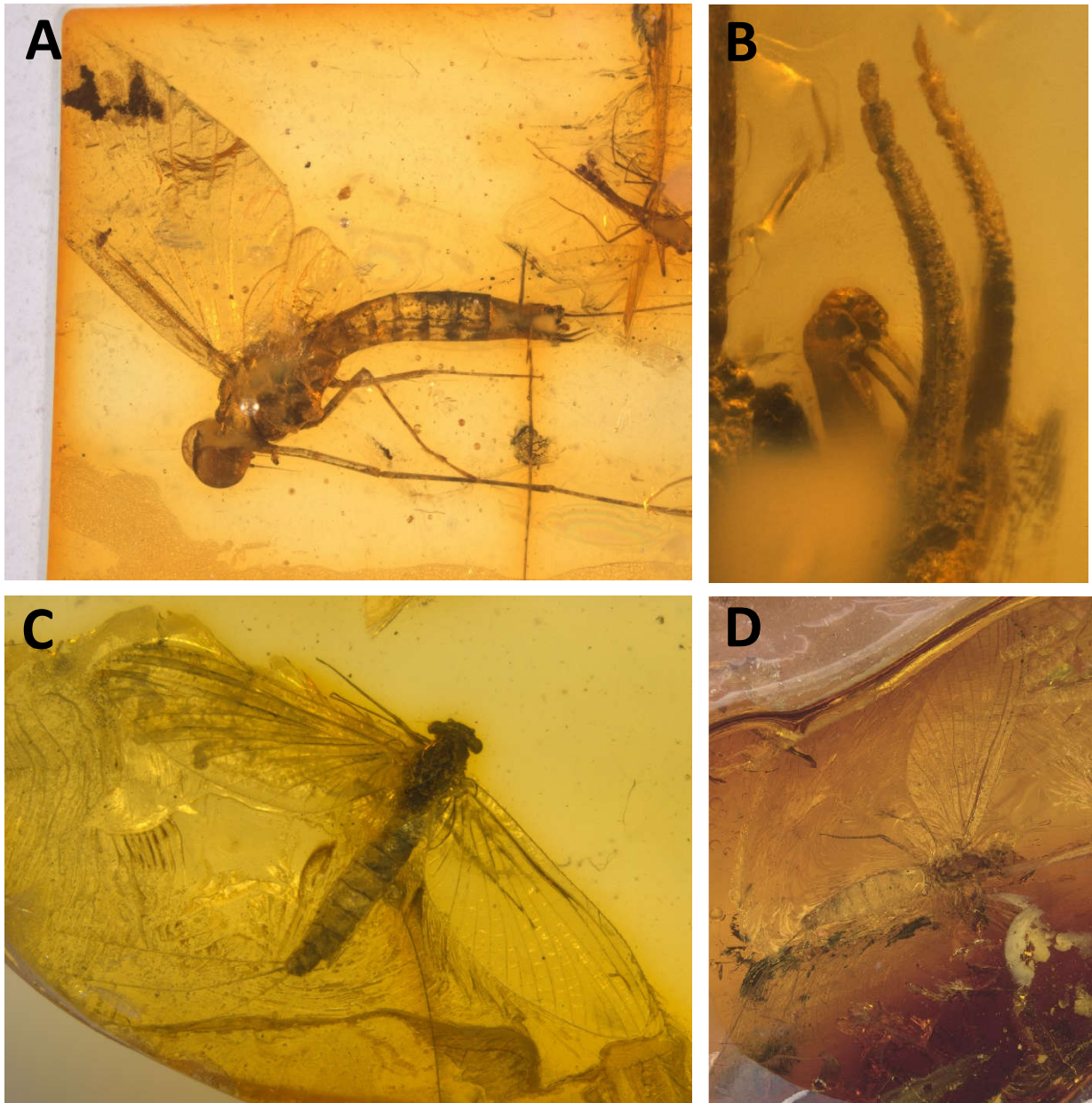


Figure S2. *Paraleptophlebia* sp. (A, B), male imago; Eocene Baltic amber; Christel and Hans Werner Hoffeins collection, nr. 1782; presumably a new undescribed species: (A) body of male embedded in piece of amber in left lateral view; (B) genitalia in left lateral view; *Paraleptophlebia* spp. (C, D), female imagines; Eocene Rovno amber, Schmalhausen Institute of Zoology, Kyiv collection, nr. K-3699 (C) and nr. K-2472 (D); presumably the new undescribed species. Without scales.

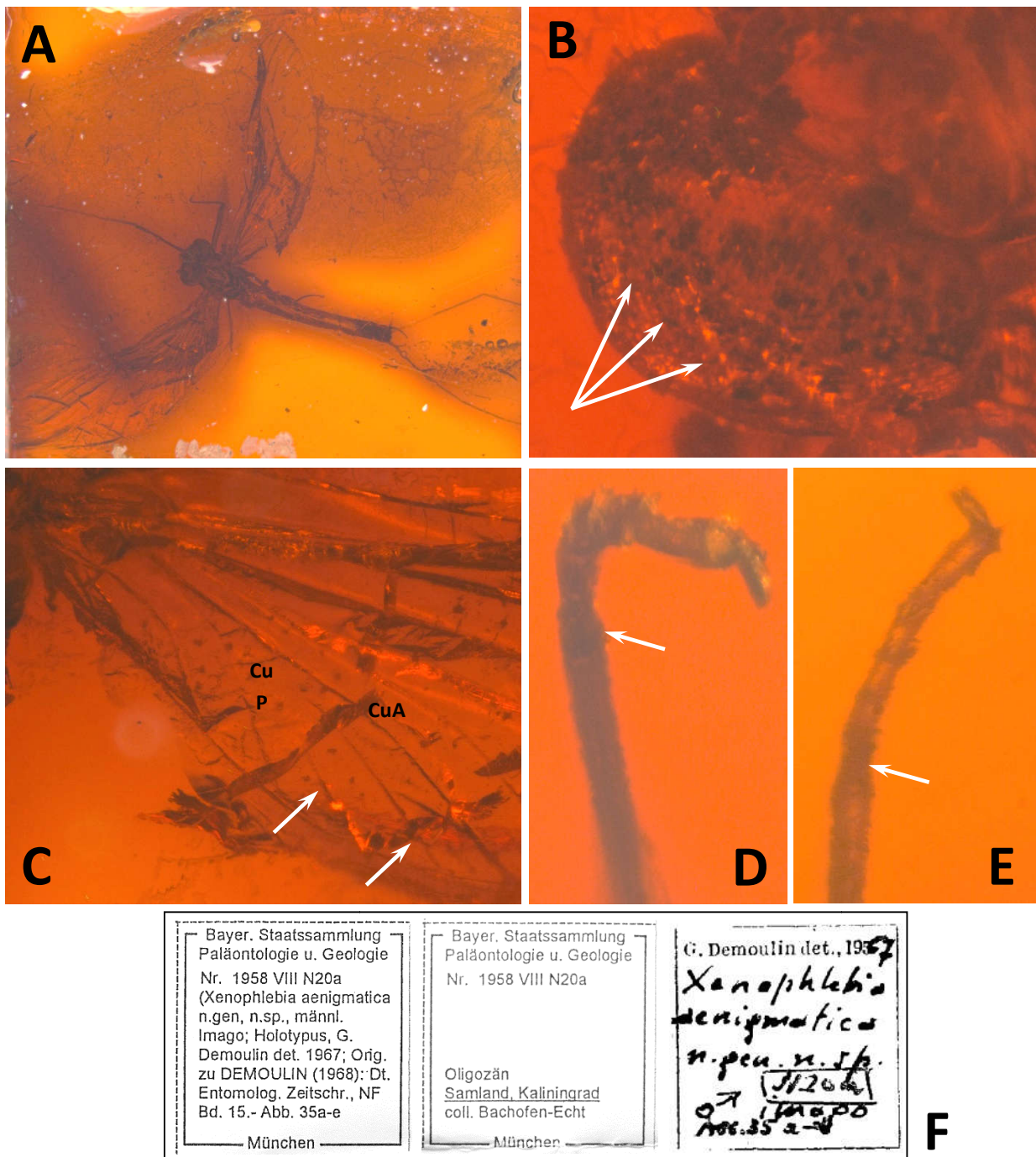


Figure S3. *Xenophlebia aenigmatica* Demoulin, 1968 (A–E), holotype, male imago; Eocene Baltic amber; Bayerische Staatssammlung für Paläontologie und Geologie, nr. 1958 VIII N20a: (A) body of male embedded in piece of amber in dorsal view; (B) fragment of compound eyes in dorsal view [hexagonal facets are marked by arrows]; (C) fragment of proximal part of right forewing [two free elongated intercalaries in cubital field are marked by arrows]; (D) tarsus of right middle leg [first tarsal segment fussed with tibia is marked by arrow]; (E) tarsus of right hind leg [first tarsal segment fussed with tibia is marked by arrow]; (F) original labels accompanying of holotype. Without scales.

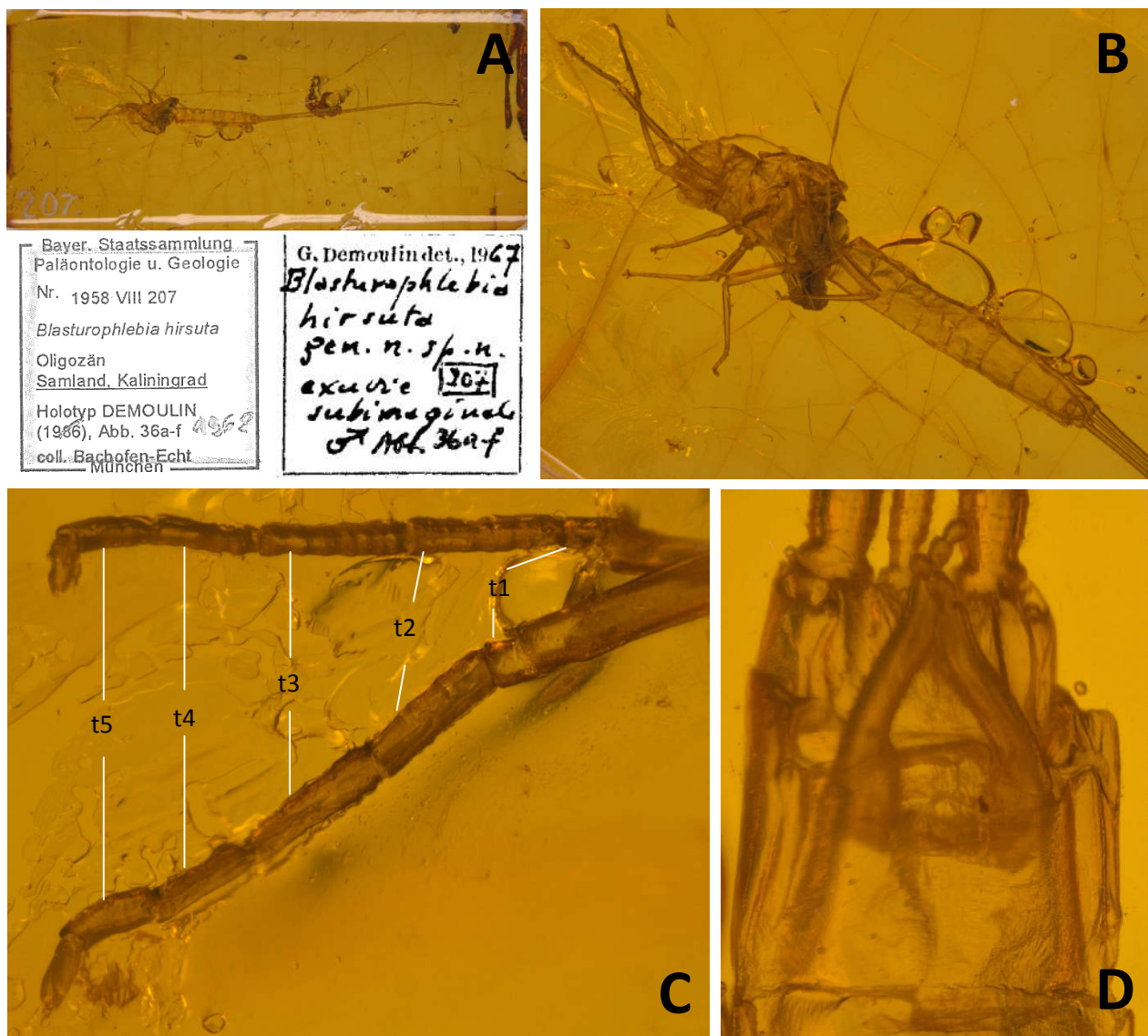


Figure S4. *Blasturophlebia hirsuta* Demoulin, 1968 (A–D), holotype, male subimaginal exuvium; Eocene Baltic amber; Bayerische Staatssammlung für Paläontologie und Geologie, nr. 1958 VIII 207: (A) exuvium embedded in piece of amber in dorsal view and original labels accompanying of holotype; (B) exuvium in left lateral view; (C) foretells [tarsal segments I–V are marked by respective acronyms t1–t5]; (D) genitalia in ventral view. Without scales.

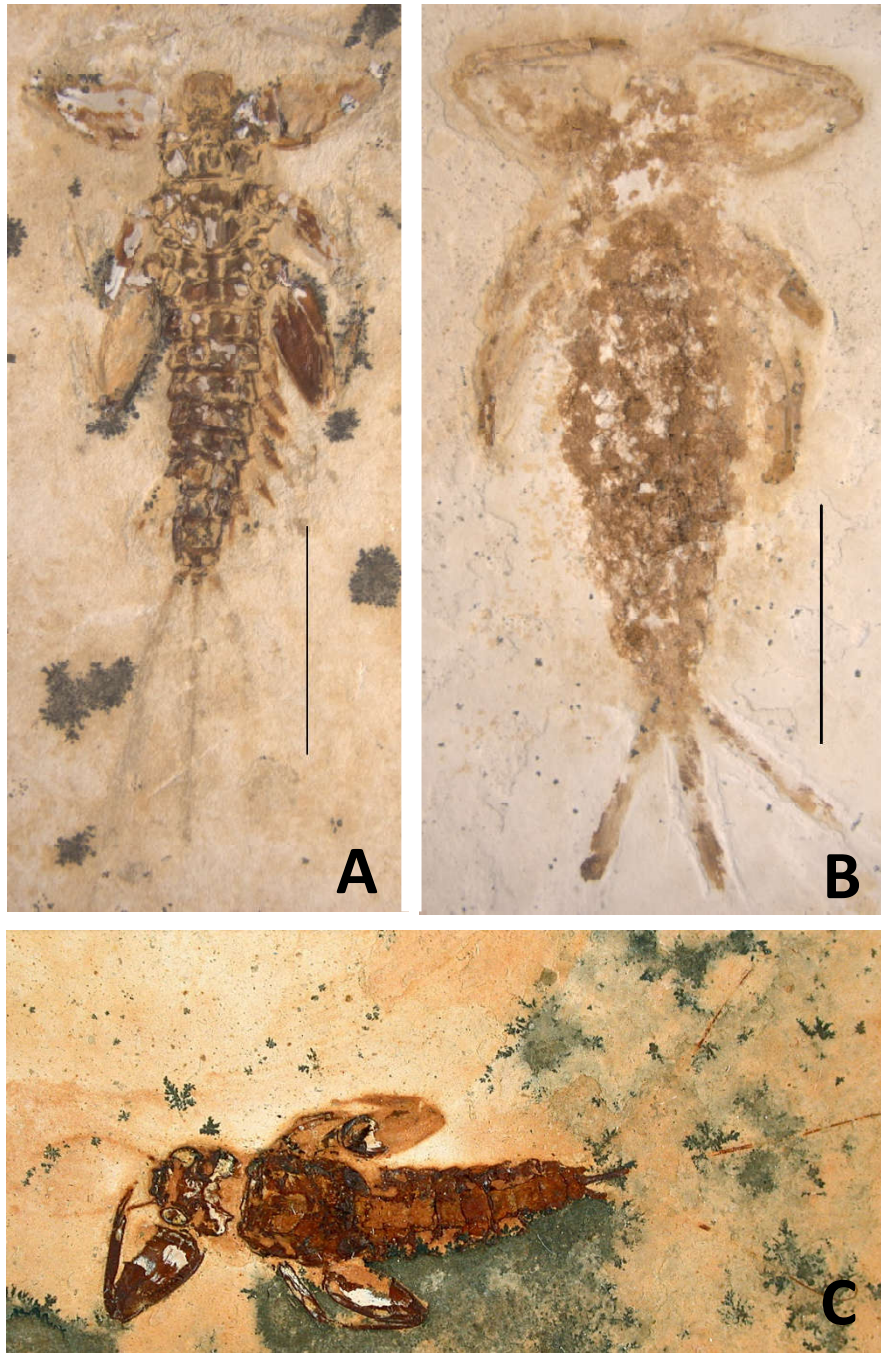


Figure S5. Larvae of Ephemeroptera from the Crato Formation (Aptian, Lower Cretaceous) of Brazil; (A, B) SMNS collection; (C) MSF collection: (A) larva in ventral view, SMNS 66622; (B) larva in ventral view, SMNS 66625; (C) larva in dorsal view, MSF Z2. Scale lines: 10 mm (A, B); without scale (C).