

## A new European species of *Pegomya* Robineau-Desvoidy (Diptera: Anthomyiidae) near *P. flavoscutellata* (Zetterstedt)

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### Abstract

A new species of *Pegomya* Robineau-Desvoidy is described from Europe (Sweden, Denmark and Finland) by the name of *P. curviphallis*. It belongs, together with the Holarctic *P. flavoscutellata* (Zetterstedt) and the Nearctic *P. flaviantennata* Griffiths, in a species group defined by a sickle-shaped distiphallus. Differential descriptions are given for the two European species of the *P. flavoscutellata* species group, *P. curviphallis* sp. nov. and *P. flavoscutellata*. Larvae of *P. flavoscutellata* are known to feed on bolete mushrooms (*Leccinum* spp.), and a similar larval diet can be expected in other species of the *P. flavoscutellata* species group.

**Key words** : Diptera, Anthomyiidae, *Pegomya*, new species, Europe

### Introduction

The new species of *Pegomya* Robineau-Desvoidy described below, *P. curviphallis* sp. nov., has been confused with *P. flavoscutellata* (Zetterstedt, 1838) (= *P. flavipalpis* (Zetterstedt, 1845)). True *P. flavoscutellata* is a widespread, Holarctic species that in Europe occurs mainly in northern and elevated, continental areas. *Pegomya curviphallis* has been rarely collected, but the limited records available suggest that it replaces *P. flavoscutellata* in Denmark and the southern and coastal lowlands of Sweden and Finland.

**Abbreviations** . FMNH — Finnish Museum of Natural History, Helsinki; MZLU — Museum of Zoology, Lund University; ZMUC — Zoological Museum, University of Copenhagen; *ad* — antero-dorsal; *pd* — postero-dorsal.