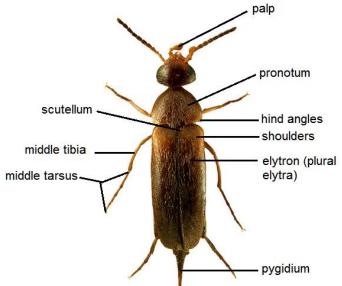
### Family Mordellidae

#### **Source Material**

Translation and adaptation by Mike Hackston of the German keys by Arved Lompe (2011), with permission (his key derived from K. Ermisch). The German original can be found at http://www.coleo-net.de/coleo/texte/mordellidae.htm and linked pages. Some of genus *Mordellistena* is translated from the Dutch (Batten (1976) de Nederlandse Soorten van de Keverfamilie Mordellidae.



#### Checklist

From the Checklist of Beetles of the British Isles, 2012 edition, edited by A. G. Duff. (Available from www.coleopterist.org.uk/checklist.htm).

Genus *MORDELLISTENA* Costa, A., 1854 *brevicauda* (Boheman, 1849) *humeralis* (Linnaeus, 1758) *neuwaldeggiana* (Panzer, 1796) *parvula* (Gyllenhal, 1827) *pseudoparvula* Ermisch, 1956 *pseudopumila* Ermisch, 1962 *pumila* (Gyllenhal, 1810) *pygmaeola* Ermisch, 1956 *secreta* Horák, 1983 *variegata* (Fabricius, 1798) *acuticollis* Schilsky, 1895 *nanuloides* Ermisch, 1967 Genus *MORDELLOCHROA* Emery, 1876 *abdominalis* (Fabricius, 1775) Genus *TOMOXIA* Costa, A., 1853 *bucephala* Costa, A., 1853 Genus *MORDELLA* Linnaeus, 1758 *holomelaena* Apfelbeck, 1914 *leucaspis* Küster, 1849 Genus *VARIIMORDA* Méquignon, 1946 *villosa* (Schrank, 1781)

#### **Image Credits**

The photographs of whole beetles in this key are reproduced from the Iconographia Coleopterorum Poloniae, with permission kindly granted by Lech Borowiec. Other photos are from Arved Lompe's key.



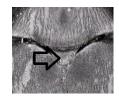
CC BY-NC-SA 4.0 © Mike Hackston (2014). Translated from Lompe (2011) and Batten (1976)

# Family Mordellidae





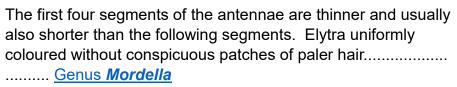






3 The first three segments of the antennae are thinner and usually shorter than the following segments; the fourth segment is as long as wide as the fifth segment or only slightly narrower. The second to last segment of the front and middle tarsi are deeply notched. Elytra usually with pale markings or bands due to the presence of paler hairs.

...... Variimorda villosa Southern England and south Wales, northwards to the Wash









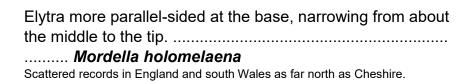


England and Wales northwards to Yorkshire.





# Genus Mordella







### Genus Mordellistena

The determination of the species of this genus is difficult, not least because some features vary, in particular the grooves on the tibia. The parameres in the male genitalia appear to also be subject to variation and their appearance is very dependent on the angle of observation. The genus is in urgent need of revision. **This key should be treated as** *very* **tentative.** 

1 Hind tibia with two thickened bristles at the tip, the smaller one sometimes very short and thin, difficult to see. Subgenus *Mordellistena*......<u>2</u>

Hind tibia with only a single thickened bristle at the tip. Subgenus	
Pseudomordellina.	<u>11</u>



2	Fourth segment of the antennae as long and wide as the fifth and subsequent	
	segments <u>3</u>	

Fourth segment of the antennae narrower and usually also shorter than the fifth	
and subsequent segments	5



For the three species in this lead see the supporting information by Mark Telfer (2012) at http://markgtelfer.co.uk/files/2012/02/Mordellistena-neuwaldeggiana-variegata-and-humeralis-web-version3.pdf. They are better separated using a suite of characters which is what Telfer's paper seeks to use.

See also Allen, A.A. (1995). On the British *Mordellistena humeralis* (L.) (Col.: Mordellidae) and its allies. Entomologist's Record and Journal of Variation, **107**:181-184.





4 Antennae usually black with the first segments yellowish-red. Variable in colour as *variegata*. Hairs on the elytra lying on the surface appearing black in some lights causing a purple iridescence. Segment three of the antennae shorter and often much smaller than segment two.

..... *Mordellistena humeralis* England and Welsh borders northwards to the Wash.

Antennae completely yellowish-red to uniformly darker. Pronotum mostly dark. Elytra black with two conspicuous orange-brown markings over the shoulders. The grey or yellowish hair on the elytra is rather upright, never appearing black and non-iridescent. Length 3.5-4.5 mm. Segment three of the antennae as long as segment two.

..... Mordellistena variegata

Southern England northwards to Lincolnshire. This is a continental specimen – British ones have the shoulder patch better defined at the base of the elytra. See Telfer (2012).

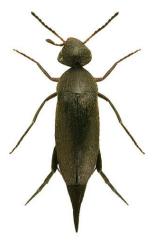




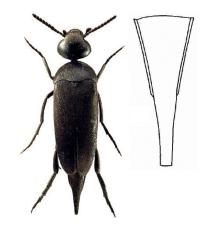
5	Hind tibia with two grooves of different shape and orientation6
	-
	Hind tibia with three or more short grooves parallel to the hind edge











Punctures of the elytra finer. Head and pronotum with fine, relatively
dense punctures. Pygidium generally very long, slender and more
pointed <u>8</u>





8	Second segment of the hind tarsus with two grooves
	Second segment of the hind tarsus with three grooves.
	Mordellistena secreta



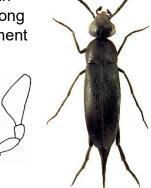


Larger species, more than 3.5 mm. ......<u>10</u>



10 In male, segments 5-10 from 1.4-2.0 times as long as wide; in females slightly shorter. Elytra in males about 2.7 times as long as their combined width; in females slightly more. Last segment long-elliptical or long-ovoid. Length 3.5-4.8 mm.

..... *Mordellistena pumila* Line drawing from Batten (1976)



In male segments 5-10 shorter, at most 1.25 times as long as wide; in females slightly broader. Elytra 2.5 times as long as their combined width. Last segment of the antennae narrow ovoid. Pygidium narrow, a third to a half the length of the elytra. Last segment of the palps wider. Length 3.6-4.5 mm. *Mordellistena pseudopumila* 







Antennae shorter, if extended not or barely reaching the base of the pronotum.
Segments 5-10 of the antennae about 1.6 times as long as wide. Length 2.3-2.8
mm
Mordellistena nanuloides

