

Key to Genera of the *Sphecosoma* Genus Group

1A. External characters: Large iridescent blue/purple moths (Fig. 99).

Male Genitalia. Valves bilobed with lobes divided to base and hinged; tegumen enlarged and inflated; uncus reduced and fused to tegumen (Fig. 62).

Female Genitalia. Pheromone glands nontubular pouches; antevagellar plate rod-like; ductus bursae not distinct from corpus bursa (Fig. 34).
..... *Pseudopompilia*

1B. External characters: Smaller moths with varying patterns (Figs. 1–3, 97–98, 100–108).

Male Genitalia. Left and right valves unilobed, bilobed, or trilobed, not hinged; tegumen simple, square with spines on margin, rounded with fingerlike projections, with one projection on either side of uncus, or with hollow portions in ring and triangular projections on either side of uncus, trifid; uncus not reduced or fused to tegumen (Figs. 56–61, 63–66).

Female Genitalia. Pheromone glands tubular (Figs. 31, 32); antevagellar plate unmodified, notched, or with an armlike projection on either side; ductus bursae distinct (Figs. 80–87, 90–93).
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2A. External characters: Small moths; gray and orange or black (Fig. 101).

Male Genitalia. Valves symmetrical in size and shape trilobed, dorsal lobe completely free from the first two; juxta spirelike (Fig. 64).

Female Genitalia. Eighth sternite always simple with a toothed margin; antevagellar plate simple. *Methysia*

2B. External characters: Medium moths; hind legs with tufts of setae (Fig. 100).

Male Genitalia. Valves unilobed or bilobed, narrowly bilobed, juxta sometimes bifid (Fig. 68).

Female Genitalia. Eighth sternite U-shaped or asymmetrical; antevagellar plate reduced (Figs. 86, 87).
..... *Horama*