



Key to abbreviations

al = alitrunk, co = constriction, la = laterotergite, hs = sternite of helcium, ht = tergite of helcium, mc = metacoxal cavity, me = membrane, ml = metapleural lobe, mt = metasternal process, poS = poststernite, poT = posttergite, pro = process, prS = presternite, prT = pretergite, pz = proprioceptor zone of petiole, S = sternite, sb = subpetiolar process, sp = spiracle, T = tergite.

FIGS 1–6. 1–3, *Simopone grandis*, worker: 1, profile of abdominal segments 3–7 (= gaster), offset shows helcium in front view; 2, ventral view of posterior alitrunk and abdominal segments 2–3, with 2 dissociated from 3; 3, profile of abdominal segments 1–3. 4–6, *Acanthostichus* species, worker: 4, profile of abdominal segments 1–3; 5, ventral view of posterior alitrunk and abdominal segments 2–3; 6, profile of abdominal segments 3–7 (= gaster), offsets show helcium in front view (left) and isolated segment 4 (below).