



Figs. 2-9. *Vollenhovia* spp. — 2, 6, *V. benzai* sp. nov., worker; 3, 7, *V. amamiana* sp. nov., worker; 4, 8, *V. okinawana* sp. nov., worker; 4, 9, *V. sakishimana* sp. nov., worker. — 2-5, Head, frontal view; 6-9, propodeum, petiole, and postpetiole, lateral view. Scale bar = 0.5 mm.

Further study is needed for resolving the taxonomy.

Vollenhovia sakishimana sp. nov.

(Figs. 5, 9)

Holotype. Worker. HL 0.54 mm; HW 0.45 mm; SL 0.33 mm; CI 83; SI 73; WL 0.66 mm; PL 0.24 mm; PH 0.28 mm; DPW 0.15 mm; TL 2.1 mm.

Head longer than wide, with subparallel sides and concave posterior margin in frontal view. Mandibles with 7 teeth; basalmost tooth minute. Clypeal carinae subparallel. Antennae with 12 segments; scape 0.61 x head length. Eyes 0.12 mm in diameter.

Alitrunk with largely straight dorsal margin of promesonotum in profile; metanotal groove not incised dorsally; dorsal margin of propodeum weakly convex; posterodorsal corner of propodeum with a small tooth and is as long as basal width in profile.

Petiole slightly higher than long, with convex

dorsal margin in profile; anterodorsal corner dully angulate; posterodorsal corner convex, not forming angle. Subpetiolar process large, with rounded ventral margin; its thin lamellar wall 0.06 mm in height. Postpetiole as long as high, highest at midlength, with relatively strongly convex dorsal outline in profile; posterodorsal margin convex.

Head and dorsum of promesonotum shagreened and moderately punctated; unsculptured longitudinal band absent on promesonotal dorsum; mesopleura and lateral surfaces of propodeum coarsely punctated; petiole and postpetiole reticulate; sculpture on postpetiole weaker than that on petiole, and much shinier; gaster and legs smooth and subopaque.

Color: yellowish brown including mandibles, antennae and legs; frons without large brown spot.

Paratype female. HL 0.60 mm; HW 0.55 mm; SL 0.38 mm; CI 92; SI 69; WL 0.90 mm; PL 0.28 mm; PH 0.33 mm; DPW 0.20 mm; TL 2.6 mm (one measured).

Head slightly longer than wide, with weakly