

## Description of *Solenopsis* CYP139 and morphometric data for future comparisons

### Measurements and indices

EL – eye length; maximum eye length;

HL – head length; measured in a straight line from mid-point of anterior clypeal margin to mid-point of posterior margin in fullface view;

HW – head width; measured in full-face view directly posterior of the eyes;

PW – pronotum width: maximum width of pronotum in dorsal view;

SL – scape length; maximum straight-line length of scape excluding the basal condylar bulb;

WL – Weber's length; measured as diagonal length from the anterior end of the neck shield to the posterior margin of the propodeal lobe;

CS – cephalic size; the arithmetic mean of CL and CW.

**Description.** Worker (n=8): HL: 0.35 (0.34–0.36); HW: 0.29 (0.27–0.3); SL: 0.22 (0.21–0.23); EL: 0.03 (0.02–0.04); WL: 0.36 (0.33–0.4); PW: 0.18 (0.16–0.19); CS: 0.32 (0.31–0.33). **Colour.** Body uniformly yellow. **Head.** Subrectangular, sides below and above eyes gently convex, occipital margin of head concave. Clypeus smooth and shiny; anterior margin of clypeus with a central pair of stout projecting teeth. Eyes small and oval. Antenna 10-segmented; antennal scape short, in lateral view slightly curved, funiculus long, club 2-segmented. Scape shiny, covered with thin, sparse and suberect setae. Mandibles smooth and shiny. Frontal carinae short, slightly extending beyond frontal lobes. Antennal fossa deep and smooth. Frontal lobes narrow, smooth (Fig. 3). Whole head shiny and sparsely punctate. Head with sparse, moderately long, suberect to erect setae. **Mesosoma.** Short and stout, flattened in profile with propodeum evenly declivitous in lateral view, only slightly convex. Metanotal groove present, V-shaped. Propodeum unarmed. Mesosoma laterally smooth and shiny; its dorsum shiny and indistinctly and sparsely punctate. Entire mesosoma with erect, pale, moderately long and thick setae. **Petiole.** In lateral view petiolar node high or slightly pointed, whole surface smooth and shiny. Dorsal surface with sparse, long, erect setae. **Postpetiole.** In lateral view regularly convex, smooth and shiny. Dorsal surface with sparse, long, erect setae. **Gaster.** Shiny and sparsely punctate; with long pitted setae. **Legs.** Moderately elongate, femora swollen in the middle, tibiae widened from base to 3/4 length, surface of legs covered with sparse, decumbent to erect setae.