

Additional material examined. COSTA RICA: Alajuela: Casa Eladio, Rio Penas Blancas, 10°19'N, 084°43'W, 800 m, primary wet forest, 26 Apr 1987 (J. Longino); Laguna, Penas Blancas Valley, 10°20'N, 084°43'W, 1000 m, wet forest, 29 Apr 1988 (J. Longino); Guanacaste: Estacion Pitilla, Guanacaste Cons. Area, 10°59'N, 085°26'W, 700 m, 24 Jan 1991 (J. Longino); Heredia: 16 km N Vol. Barba, 10°16'N, 084°05'W, 1020 m, 9 Jul 1986 (J. Longino).

***Megalomyrmex reina* Longino, new species**

(Fig. 11A–D)

Type material. *Holotype queen.* COSTA RICA, Alajuela: Rio Peñas Blancas, 10°19'N 84°43'W, 800 m, 2 Mar 2004 (J. Longino#5278-s) [MCZ, unique specimen identifier JTLC000005356]. *Paratype queen:* same as holotype except 4 Mar 2008 (J. Longino#6182.2) [CAS, JTLC000007217].

Geographic range. Costa Rica.

Diagnosis. Mandible with large apical tooth and 5–6 smaller basal teeth; dorsal surface of mandible striate; ventral margin of petiole with large translucent longitudinal flange, ventral margin of flange erose, with irregular jagged posteriorly-directed teeth; ventral margin of postpetiole with large, acute anteroventral tooth.

Description. *Queen. Measurements* (holotype): HW 0.833, HL 0.872, SL 0.926, EL 0.276, ML 1.519, CI 96, SI 106.

Measurements (paratype): HW 0.853, HL 0.874, SL 0.928, EL 0.294, ML 1.579, CI 98, SI 106.

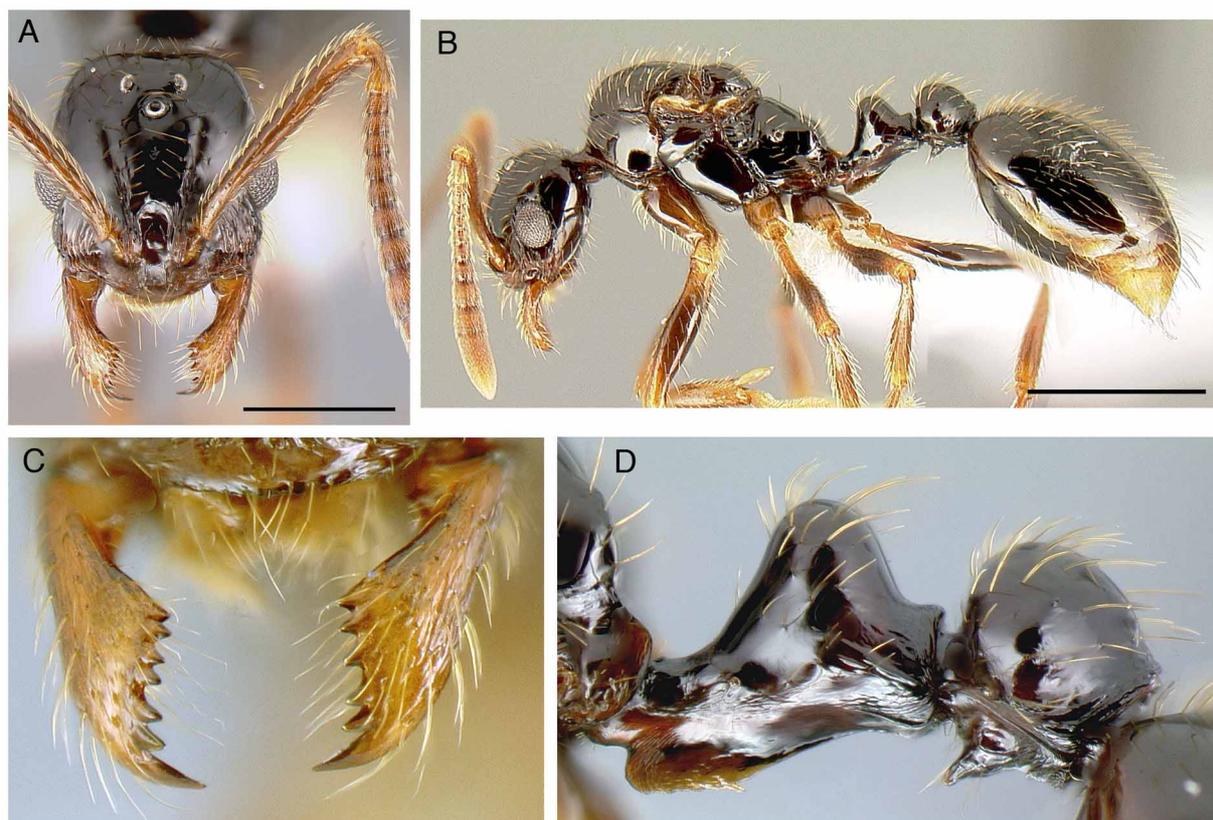


FIGURE 11. *Megalomyrmex reina*. A. Holotype queen, face view. B. Same, lateral view. C. Mandible. D. Petiole and postpetiole, lateral view. Scale bar on face view = 0.5 mm, on lateral view = 1.0 mm.

Palp formula 3,2; mandible with large apical tooth and 5–6 smaller basal teeth that gradually decrease in size (holotype has 5 basal teeth on one mandible, 6 on the other); dorsal surface of mandible faintly striate; anterior clypeal margin smoothly rounded; occipital carina thin, not visible in full-face view, anterior ends extending about 1/3 to 1/2 length of ventral surface of head; face, clypeus, and ventral surface of head smooth and shiny, with a few small rugulae on clypeus beneath frontal lobes and laterally, irregular rugulae on malar space between eye and