

Title: Colony composition and nesting habits of six species of *Aphaenogaster* in Thailand (Hymenoptera; Formicidae)

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Electronic supplementary material



Figs. S1-S3. *Aphaenogaster* sp. 1, S4-S6. *Aphaenogaster* sp. 2. S1 and S4. Head in full-face view; S2 and S 4, Body in dorsal view; S3 and S4, Body in profile view



Figs. S7-S9. *Aphaenogaster* sp. 3, S10-S12. *Aphaenogaster* sp. 4. S7 and S10. Head in full-face view; S8 and S 11, Body in dorsal view; S9 and S12, Body in profile view.



Figs. S13-S15. *Aphaenogaster* sp. 5, S16-S18. *Aphaenogaster* sp. 6. S13 and S16. Head in full-face view; S14 and S17, Body in dorsal view; S15 and S18, Body in profile view

Tentative key to the six Thai species based on the worker caste

- 1a Head elongately oval, gradually narrowed posteriad, without narrow neck, with occiput margined by carina; head entirely puncto-reticulate.....

***Aphaenogaster* sp. 1**

- Head strongly narrowed posteriad, with a narrow neck margined by a high and sharp collar; head mainly smooth and shiny. 2

- 2a Mesosoma mainly with punctuation; frontal carina extending backward from frontal lobe to the line connecting midpoint of eye, and then recurving forward to reach the lateralmost part of clypeus, without interruption. 3

- Mesosoma mainly smooth and shiny; frontal carina present the same way, but with a distinct interruption posteriorly. 5

- 3a Small species (head width < 0.70 mm); body reddish brown.

***Aphaenogaster* sp. 4**

- Large species (head width > 0.75mm); body black to dark brown. 4

- 4a Dorsum of propodeum punctate, without transvers rugae; in full-face view, narrowest neck of head width distinctly shorter than eye length.

***Aphaenogaster* sp. 5**

- Dorsum of propodeum with several transverse rugae; in full-face view, narrowest neck of head width almost as long as eye length. ***Aphaenogaster* sp. 3**

- 5a Dorsum of propodeum smooth, shiny, and with about 10 standing hairs; mesopleuron entirely smooth and shiny. ***Aphaenogaster* sp. 6**

- Dorsum of propodeum with several transverse rugae but not very regularly and with 1-2 pairs of standing hairs; upper portion of mesopleuron sculptured.....

***Aphaenogaster* sp. 2**