

IDENTIFICATION OF MAMMALIAN BLOOD MEALS FROM *SERGENTOMYIA* (*PARROTOMYIA*) *BARRAUDI* (DIPTERA: PSYCHODIDAE) IN SONGKHLA PROVINCE, SOUTHERN THAILAND

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Abstract. Blood meal analysis of phlebotomine sand flies was conducted in *Sergentomyia* (*Parrotomyia*) *barraudi* collected from a limestone cave in Songkhla Province, southern Thailand. Centers for Disease Control (CDC) incandescent light and black light traps were used to collect such sand flies in November 2016. The sources of the mammalian blood host were identified using polymerase chain reaction (PCR) and sequencing of the cytochrome b (*cyt b*) gene. Blood meal analysis revealed that *S. barraudi* feeds on elephants and humans.

Keywords: *Sergentomyia barraudi*, blood meal, phlebotomine sand flies, southern Thailand

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