**Cyrtodactylus dumnuii** (Squamata: Gekkonidae), a new cave-dwelling gecko from Chiang Mai Province, Thailand

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**Abstract**

A new cave-dwelling species of *Cyrtodactylus* is described from Chiang Mai Province in northern Thailand. *Cyrtodactylus dumnuii* sp. nov. may be distinguished from all other congeners by the possession of a series of enlarged femoral scales, disjunct precloacal and femoral pores in males (minute precloacal pores variably present in females), a relatively high number (18–22) of closely spaced, regularly arranged dorsal tubercle rows, well-defined non-denticulate ventrolateral folds, transversely enlarged subcaudal plates, and a color pattern of approximately six pairs of alternating light and dark transverse bands on the trunk. It is the nineteenth member of the genus recorded from Thailand and the eighth Thai *Cyrtodactylus* known to be a facultative troglophile.

**Key words:** Thailand, Chiang Mai, Reptilia, Gekkonidae, *Cyrtodactylus dumnuii*, new species, taxonomy, cave-dwelling

**Introduction**

Bent-toed geckos of the genus *Cyrtodactylus* Gray are the most species-rich of all gekkotan genera, with approximately 120 species. Roughly half of these have been described in the last decade (Uetz 2010). The greatest rate of new discovery in the group has been in Southeast Asia. For example, extensive recent work in Vietnam has revealed nineteen, mostly endemic species, many associated with karst substrates or limestone caves (e.g., Nazarov et al. 2008; Ngo 2008; Ngo & Bauer 2008; Ngo et al. 2008; Ziegler et al. 2010 and references therein). In Thailand Bauer et al. (2002) recognized 13 species of *Cyrtodactylus*. Another five species have subsequently been described from diverse localities around the country (Bauer et al. 2003; Pauwels et al. 2004; Bauer et al. 2009; Sumontha et al. 2010), including several from limestone caves (see Sumontha et al. 2010). We here describe another new Thai gecko from an area of limestone caves in the northwestern province of Chiang Mai.

**Material and methods**

The following measurements were taken with digital calipers to the nearest 0.1 mm following the methods of Bauer (2002, 2003): CrusL: crus length; EarL: ear length; EyeEar: eye to ear distance; ForeaL: forearm length; HeadH: head height; HeadL: head length; HeadW: head width; Internar: internarial distance; Interorb: interorbital distance; NarEye: nares to eye distance; OrbD: orbital diameter; SnEye: snout to eye distance; SVL: snout-vent length; TailL: tail length; TailW: tail width; TrunkL: trunk length. Basal subdigital lamellae