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A new lowland forest Bent-toed Gecko (Squamata: Gekkonidae: *Cyrtodactylus*) from Ranong Province, peninsular Thailand

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Abstract

We describe a new lowland forest-dwelling *Cyrtodactylus* from Suk Samran District, Ranong Province, southern peninsular Thailand, having a blotched dorsal pattern, a continuous series of poreless enlarged femoral and precloacal scales, 18–20 regularly arranged dorsal tubercle rows, no precloacal groove, no transversely enlarged subcaudal plates and a maximal known snout-vent length of 59.6 mm. *Cyrtodactylus ranongensis* **sp. nov.** seems closely related to *C. quadrivirgatus*, but is readily distinguished from it by having 35–40 ventral scale rows, a reddish iris, heavy dorsal mottling, and lacking longitudinal dark-brown elements in its dorsal pattern.

Key words: Thai-Malay Peninsula, Ranong, *Cyrtodactylus ranongensis* **sp. nov.**

Introduction

In the course of our ongoing, long-term systematic and zoogeographic review of the reptiles of the Thai-Malay Peninsula (see Grismer *et al.* 2012, 2014a–d; Johnson *et al.* 2012; Sumontha *et al.* 2012, 2014; Pauwels *et al.* 2013; Pauwels & Sumontha 2014 for the most recent reports on the gecko fauna), we encountered a population of small-sized *Cyrtodactylus* in a highly anthropogenic environment in southern Ranong Province. Given that it differs from all congeneric species based on morphology and coloration characters, we describe it here as a new species.

Material and methods

Measurements and meristic counts follow Sumontha *et al.* (2012) and Pauwels *et al.* (2013). Paired meristic characters are given left/right. Numbers of supralabial and infralabial scales are counted from the largest scale immediately posterior to the dorsal inflection of the posterior portion of the upper jaw to the rostral and mental scales, respectively. The number of longitudinal rows of body tubercles was counted transversely across the center of the dorsum from one ventrolateral skin fold to the other. The number of longitudinal rows of ventral scales was counted transversely across the center of the abdomen from one ventrolateral skin fold to the other. The numbers of subdigital lamellae beneath the toes were counted from the base of the first phalanx to the claw. The following measurements were taken with a digital caliper to the nearest 0.1 mm: AG: axilla to groin length, taken from the posterior margin of the forelimb at its insertion point on the body to the anterior margin of the hind limb at its

having kindly given us access to their respective institutions' herpetological collections. We thank Thanin Kaewmanee and Wachira Sodob (Ranong Marine Fisheries Station) for their help in collecting the type series and for preparing the map, respectively.

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APPENDIX. Comparative material examined.

Cyrtodactylus payacola: see material listed in Johnson *et al.* (2012). *Cyrtodactylus quadrivirgatus*: Johor: Endau–Rompin LSUHC 7706, 7733, 8127, 8185–86; Gunung Ledang: LSUHC 8969–72; Kedah: Pulau Langkawi LSUHC 6863–65, 6870, 9438, 9445–56; Sungai Sedim LSUHC 9620–22, 9624–25, 9837, 9864; Pahang: Fraser’s Hill LSUHC 6460–61, 6478–79, 6484, 8081, 9082–89, 9924; Pulau Pinang LSUHC 9057–58; Pulau Tioman LSUHC 4813, 5022, 5101, 5173, 5517, 5562, 5582, 6136, 6146; Sungai Lembing LSUHC 4980, 5017; Perak: Bukit Larut LSUHC 8859–60, 9011–16, 9864–72, 9909; Pulau Pangkor LSUHC 9191; Temengor LSUHC 5633–34, 5640; Selangor: Genting Highlands LSUHC 6503, 6607–08, 6617–18; Kepong LSUHC 4018, 4823; Terengganu: Pulau Perhentian LSUHC 9057–58. *Cyrtodactylus sanook*: see Pauwels *et al.* (2013). *Cyrtodactylus semenanjungensis*: see Grismer & Leong (2005). *Cyrtodactylus thirakhupti*: see Pauwels *et al.* (2004).