

# Review of: "Ancient DNA Clarifies the Identity and Geographic Origin of the Holotype of the Genus *Ctenomys*"

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**Potential competing interests:** No potential competing interests to declare.

The manuscript titled "*Ancient DNA Clarifies the Identity and Geographic Origin of the Holotype of the Genus Ctenomys*" is well-written. The introduction provides adequate background for the study. The authors sequenced the holotype of *Ctenomys brasiliensis* to determine its taxonomic identity, analyzing the mitogenome of *C. brasiliensis* and six closely related species. Phylogenetic analyses confirmed that *C. brasiliensis* is a valid species, leading to the synonymization of *C. minutus*. In the results section, the sentence "Phylogenetic analyses based on both mitogenome and Cyt b gene sequences recovered a strongly supported monophyletic group of *Ctenomys* (BS = 100; PP = 1; Fig. 3 and 4), with well-resolved relationships among the species groups generally consistent with prior studies[28]" should be avoided. This statement represents an interpretation and should be moved to the discussion section.