

研究报告

基于线粒体控制区的滇金丝猴群体遗传学研究

潘登^{1~3}, 符云新^{4,2}, 张亚平^{1,2}

1. 中国科学院昆明动物研究所 细胞与分子进化重点实验室, 昆明650223; 2. 云南大学生物资源保护和利用重点实验室, 昆明 650091; 3. 中国科学院研究生院分院, 北京 100049; 4. 德克萨斯大学休斯顿分校, 美国 德克萨斯 77030

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摘要

滇金丝猴 (*Rhinopithecus bieti*) 是我国著名的濒危保护动物。迄今为止, 关于滇金丝猴并基于DNA序列的群体遗传学研究还没有报道。本文测定了来自于云南省维西县滇金丝猴群体样本的线粒体控制区全序列以及部分个体的细胞色素b全序列。在排除了核线粒体假基因存在的可能性之后, 滇金丝猴维西群体内部被确认存在着两个序列分歧较大的分枝。即使如此, 如果考虑到群体结构和迁移的影响, 维西群体的遗传多样性水平可能并不高。

关键词 [滇金丝猴](#) [线粒体控制区](#) [遗传多样性](#) [群体结构](#)

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Population Genetics of *Rhinopithecus bieti*: a Study of the Mitochondrial Control Region

PAN Deng^{1~3}, FU Yun-Xin^{4,2}, ZHANG Ya-Ping^{1,2}

1. Laboratory of Cellular and Molecular Evolution and Molecular Biology of Domestic Animals, Kunming Institute of Zoology, Kunming 650223, China; 2. Laboratory for Conservation and Utilization of Bio-resources, Yunnan University, Kunming 650091, China; 3. The Graduate School, Chinese Academy of Sciences, Beijing 100049, China; 4. Human Genetics Center, University of Texas at Houston, Houston, Texas, 77030, USA

Abstract

Yunnan snub-nose monkey (*Rhinopithecus bieti*) is a famous endangered primate in China. So far, however, studies on its population genetics based on DNA sequences are not available. In this paper, the whole mitochondria control region of the samples from Weixi, Yunnan Province as well as the whole cytochrome b gene in some individuals were sequenced. A deep divergence was observed within the Weixi population, which was confirmed after excluding the possibility of it being a nuclear pseudogene. Nonetheless, if the effects of population structure and migration are considered, the true level of polymorphism of the Weixi population may be not as high as observed.

Key words [Yunnan snub-nose monkey](#) [mitochondria control region](#) [genetic polymorphism](#) [population structure](#)

DOI:

通讯作者 张亚平 zhangyp@public.km.yn.cn

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