

青海湖裸鲤mtDNA遗传多样性的初步研究 Mitochondrial DNA Diversity in Naked Carps in Qinghai-lake (*Gymnocypris przewalskii przewalskii*)

赵凯1, 李军祥1, 张亚平2, 罗静2, 李太平1, 吴华1, 田海宁1 ZHAO Kai1, LI Jun-xiang1, ZHANG Ya-ping2, LUO Jing2, LI Tai-ping1, WU Hua1, TIAN Hai-ning1

1.青海大学农牧学院动物科学系, 西宁 810003 2.中国科学院昆明动物所细胞与分子进化研究开放实验室, 昆明 650223 1.College of Agriculture and Animal Husbandry, Qinghai University, Qinghai, Xining 810003, China; 2.Laboratory of Cellular and Molecular Evolution, Kunming Institute of Zoology the Chinese Academy of Sciences, Yunnan, Kunming 650223, China

收稿日期 修回日期 网络版发布日期 接受日期

摘要 本文用Bcl I、Ava I、BamH I、Pst I、Kpn I、Pvu II共6种限制性内切核酸酶,分析了15尾青海湖裸鲤mtDNA的限制性片段长度多态性,共检测出20个酶切位点,发现Bcl I、BamH I和Pvu II三种酶切类型具有多态性.根据不同个体mtDNA的酶切类型,青海湖裸鲤存在4种mtDNA单倍型,计算mtDNA多态度 π 值为0.0043,初步认为青海湖裸鲤在线粒体DNA上存在较丰富的群体内变异、

Abstract:An analysis of patterns of cleavage of mtDNA by restriction endonucleases was performed for 15 *Gymnocypris przewalskii przewalskii*. Mitochondrial DNA polymorphisms were detected in the restriction patterns generated by the following 5 enzymes, BclI, AvaI, BamHI, PstI, KpnI, PvuII. Only 3 of them (BclI, BantHI, PvuII) were found to be polymorphisms. Our results shorted that there were 4 mtDNA haplotypes in *Gyrnocypris przewalskii przewalskii* and the genetic divergenec (π) was 0.0043, which indicated that mtDNA genetic diversity in *Gymnocypris przewalskii przewalskii* is higher.

关键词 [青海湖裸鲤](#) [mtDNA](#) [限制性片段长度多态性](#) [遗传多样性](#) **Key words** [Qinghai lake Naked carps](#) [mitochondrial DNA](#) [restriction fragment length polymorphism\(RFLP\) analysis](#) [genetic diversity](#)

分类号

扩展功能

本文信息

- ▶ [Supporting info](#)
- ▶ [PDF\(0KB\)](#)
- ▶ [\[HTML全文\]\(0KB\)](#)
- ▶ [参考文献](#)

服务与反馈

- ▶ [把本文推荐给朋友](#)
- ▶ [加入我的书架](#)
- ▶ [加入引用管理器](#)
- ▶ [复制索引](#)
- ▶ [Email Alert](#)
- ▶ [文章反馈](#)
- ▶ [浏览反馈信息](#)

相关信息

- ▶ [本刊中 包含“青海湖裸鲤”的 相关文章](#)
- ▶ [本文作者相关文章](#)

- [赵凯](#)
- [李军祥](#)
- [张亚平](#)
- [罗静](#)
- [李太平](#)
- [吴华](#)
- [田海宁ZHAO Kai](#)
- [LI Jun-xiang](#)
- [ZHANG Ya-ping](#)
- [LUO Jing](#)

Abstract

Key words

DOI:

通讯作者