

## 鲤鱼、鲫鱼肌细胞线粒体DNA的限制性内切酶酶切图谱比较

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**摘要** 鲤鱼肌细胞线粒体DNA经限制性内切酶Bam HI和Eco RI酶切后, 皆被切成3个片段; 鲫鱼肌细胞线粒体DNA经上述两种限制性内切酶酶切后, 皆被切成2个片段。通过琼脂糖凝胶电泳对这些片段进行测定, 并分别画出它们的酶切图谱。鲤鱼肌细胞线粒体DNA的分子量约为 $10.50 \times 10^6$ 道尔顿, 有16.99千碱基对; 鲫鱼肌细胞线粒体DNA的分子量约为 $9.40 \times 10^6$ 道尔顿, 有15.21千碱基对。

**关键词**

**分类号**

## Restriction Endonuclease Cleavage Maps of Mitochondrial DNAs from the Muscles of *Cyprinus carpio* and *Carassius auratus*

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### Abstract

*C. carpio* mtDNA was cleaved by both restriction endonucleases BamHI and EcoRI into 3 fragments, while *C. auratus* mtDNA was cleaved into 2 fragments. The sizes and the orders of these fragments in the respective genomes were determined with data obtained from electrophoresis. The molecular weight of *C. carpio* mtDNA was found to be  $10.50 \times 10^6$  daltons about 16.99 kilobase pairs; the molecular weight of *C. auratus* mtDNA  $9.40 \times 10^6$  daltons about 15.21 kilobase pairs.

### Key words

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