**Mitogenome Announcement**

The complete mitochondrial genome and phylogenetic relationship of *Trichiurus* sp. from Jiangsu

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**ABSTRACT**

*Trichiurus* is one of the most important economic fishes around the world. In the present study, we determined the complete mitochondrial genome of *Trichiurus* sp. from Jiangsu is a circular-molecule of 16,662 bp in length, which encodes 35 genes in all. These genes comprise 13 protein-coding genes, 20 transfer RNA genes, and two ribosomal RNA genes, with gene arrangement and content basically identical to those of other species of Trichiuridae. The result of phylogenetic analysis strongly supported that *Trichiurus* sp. should be *Trichiurus japonicus*.

**Keywords**

Trichiuridae; *Trichiurus*; mitochondrial genome; molecular taxonomy; phylogenetic relationship; genome characteristics

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*Trichiurus* is one of the most important economic fishes around the world. In the present study, we determined the complete mitochondrial genome of *Trichiurus* sp. from Jiangsu, China, is a circular-molecule of 16,662 bp in length, which encodes 35 genes in all. These genes comprise 13 protein-coding genes, 20 transfer RNA genes, and two ribosomal RNA genes, with gene arrangement and content basically identical to those of other species of Trichiuridae. The result of phylogenetic analysis strongly supported that *Trichiurus* sp. should be *Trichiurus japonicus*.

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Figure 1. Phylogenetic tree of the Trichiuridae based on the NJ analysis of complete mitogenome sequences. The numbers on the branches are bootstrap values.