

## 岳鲤及其双亲（荷包红鲤♀、湘江野鲤♂）LDH同工酶的研究

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收稿日期 修回日期 网络版发布日期 接受日期

**摘要** 用聚丙烯酰胺凝胶电泳，结合CS910双波长扫描分析了岳鲤及其双亲（荷包红鲤♀、湘江野鲤♂）6种组织的乳酸脱氢酶同工酶(Lactate Dehydrogenase, LDH)。结果表明：岳鲤及其双亲的LDH同工酶均存在组织特异性；亲本之间LDH同工酶的差异主要表现在肝脏；亲本各组织的大多数LDH同工酶在F<sub>1</sub>代得到表现；亲本及F<sub>1</sub>代的LDH同工酶可能由基因位点AA, BB' 共同控制。本文还讨论了LDH同工酶分析和杂交结果预测的关系。

**关键词** [电泳,LDH 同工酶,杂种鱼](#)

分类号

## Study on LDH Isoenzymes of Hybrid Yue-carp and Its Parents

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### Abstract

The polyacrylamide gel disc electrophoresis of the lactate dehydrogenase (LDH) isoenzymes of F<sub>1</sub> hybrid and its parents (Cyprinus rubrofuscus red var. '1?', Cyprinus carpio Xiang-bingfang d') showed that 1) Both the F<sub>1</sub> hybrid and its parents exhibited the tissue-specificity of LDH isoenzymes; 2) The difference of LDH isoenzymes between the maternal and the paternal were obvious in livers, and 3), The LDH isoenzymes of F<sub>1</sub> hybrid and its parents were probably coded by gene loci AA'BB'.

**Key words** [Electrophoresis](#); [LDH isoenzymes](#) [Carp hybridization](#)

DOI:

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