

中国鲤科鱼类染色体组型的研究VII. 雅罗鱼亚科7种鱼的染色体组型分析及有关鲤科鱼类系统关系的探讨

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摘要 本文报道了鲤科雅罗鱼亚科7属7种鱼的染色体组型。它们的染色体二倍数和核型特征差异较大, 有5种鱼的 $2n=48$ 。其甲草鱼和赤眼鲮的核型相似, 有较多的m和-sm组染色体, 臂数较高; 综鱼和鲮鱼的核型接近, St组染色体较多, 还有一对t组染色体, 臂数较低; 鲮鱼虽然没有, 组染色体, 但St组染色体特别多, 臂数鼓低。另外两种鱼, 马口鱼和宽鳍鳞的染色体二倍数在鲤科中非常特殊, 分别为76和78, 它们的臂数是相同的, $NN=86$ 。通过这7种鱼的核型分析, 以及与其他有关鲤科鱼类核型的比较, 对它们的染色体进化方式, 和与此有关的鲤科鱼类的系统关系也进行了初步探讨。

关键词

分类号

Studies on the karyotypes of Chinese Cyprinid Fishes V11. Karyotypic Analyses of Seven Species in the Subfamily Leuciscinae with a Consideration for the Phylogenetic Relationships of Some Cyprinid Fishes Concerned

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Abstract

Naryotypic analyses of 7 species of leuciscid fishes were carried out by use of ehromosonne preparations made with either PHA-culture-d kidney cells or uncultured kidney cells. These fishes, belonging to seven genera, manprise Ctenopharyngodon idetbcs, Luciobrama macrocephalus, Elopichthys bambusa, Opsari.ichthys bidens, Ochetobius elongatus, Zacco ptatypus and Squaliobarbus curriculus. They were collected -from the marketsin Wuhan City and Sha.shi City, Hubei Province and in Shaoguan district, Gutmgdong Province.
 As shown in Table I, and Plate I, II, the diploid chromosome numbers ($2n$) of the 7 species vary in range from 48 to 78. Two of them, O. bidens and Z. platypus, have $2n$ of 76 and 78 respectively, while the other five species all have $2n$ of 48. Their ka.ryotypic features are also quite different. However, the. karyotypic formula and fundamental arm numbers of C. idellus and S. curriculus are similar, and those of E. bambusa and L. macrocephalus as well as those of O. bidens and Z. platypus are also similar respectively.

Key words

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