

施氏鲟的核型及DNA含量研究 The Karyotype and Cellular DNA Contents of Amur Sturgeon (*Acipenser schrencki*)

宋苏祥¹, 刘洪柏¹, 孙大江¹, 范兆廷¹, 桂建芳² SONG Su-Xiang¹, LIU Hong-Bai¹, SUN Da-Jiang¹, FAN Zhao-Ting¹, GUI Jian-Fang

1.中国水产科学研究院黑龙江水产研究所, 哈尔滨 150070 2.中国科学院水生生物研究所, 430072

1.Heilongjiang River Fishery Research Institute, Chinese Academy of Fishery Science, Harbin 150070

2.Institute of Hydrobiology, The Chinese Academy of Sciences, Wuhan 430072

收稿日期 修回日期 网络版发布日期 接受日期

摘要 采用体内注射小牛血清、肾组织细胞短期培养、常见空气干燥法制备了施氏鲟(*Acipenser schrencki* Brandt)的染色体,并进行了核型分析。施氏鲟二倍体的染色体为 238 ± 8 条,其核型为 $78m+12sm+28st, t+120 \pm mc, NF: 328 \pm$ 。以外周血红细胞为样本,鸡的红细胞为对照,用美国产的FACStar Plus流式细胞仪测定了施氏鲟二倍体细胞核的DNA含量,其DNA含量为鸡的5.06倍,绝对含量为 $11.73 \pm 0.68pg/N$ 。

Abstract: Metaphase chromosome specimens of Amur Sturgeon, injected with fetal calf serum, were prepared from short-term culture of kidney cells with air-drying technique. Its diploid chromosome number is $2n=238 \pm 8$. Karyotype consists of $78m+12sm+28st, t+120 \pm mc, NF: 328 \pm$. Diploid nucleus DNA content was measured from the peripheral erythrocytes, using flow cytometer (FACStar Plus, made in USA) and erythrocytes of chick (*Gallus sp*) as internal standard. DNA content of the fish is $11.73 \pm 0.68pg/N$ and the ratio to that of chickens is 5.06.

关键词 [施氏鲟](#) [核型](#) [DNA含量](#) **Key words** [Amur Sturgeon](#) [Karyotype](#) [DNA content](#)

分类号

扩展功能

本文信息

- ▶ [Supporting info](#)
- ▶ [PDF\(1075KB\)](#)
- ▶ [\[HTML全文\]\(0KB\)](#)
- ▶ [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“施氏鲟” 的相关文章](#)

▶ 本文作者相关文章

- [宋苏祥](#)
- [刘洪柏](#)
- [孙大江](#)
- [范兆廷](#)
- [桂建芳SONG Su-Xiang](#)
- [LIU Hong-Bai](#)
- [SUN Da-Jiang](#)
- [FAN Zhao-Ting](#)
- [GUI Jian-Fang](#)

Abstract

Key words

DOI:

通讯作者