

# 中国两种掌突蟾(锄足蟾科Pelobatidae,无尾目Anura)的细胞遗传学研究\*

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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 本文对分布于云南境内的两种Leptolalax——L. ventripunctatus和L. alpinus的常规Giemsa 核型、C-带和Ag-NORs作了研究, 结果表明L. ventripunctatus的2n=22, 20 M+2T, NF=42, 1 对Ag-NORs位于5q, 并呈现异形现象, 该区域亦显C-带正染; L. alpinus 2n=24, 14M+4SM+6T, NF=42, 1cf Ag-NORs位于No. 8短臂端部, 并有随体联合现象。两种的着丝点区域均呈现C-带 正染。

关键词 [腹斑掌突蟾](#), [高山掌突蟾](#), [核型](#), [银染](#), [C-带](#), [锄足蟾科](#)

分类号

## Cytogenetic Studies on two Leptolalax Pelobatoids (Pelobatidae, Anura) from China

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### Abstract

The karyotypes, Ag-NORs and C-banding for two Chinese leptolalax pelobatoids (Leptolalax ventripunctatus, L. alpinus) collected from Yunnan Province were studied. The results showed that they had 2n=22(20M+2T), NF=42, one pair of secondary constriction and Ag-NORs located on 5q, all centromeric regions of the genome presented C-positive staining, also on the 5q for Leptolalax ventripunctatus, And 2n=24(14M+4SM+6T), NF=42, one pair of Ag-NORs and secondary constriction located on 8p, on which the satellite association occurred and all the centromeric regions of their chromosomes were positive in C-banding stain in L. alpinus. It is indicated that the centromeric fusion may take place in the karyotypic change process. In addition, the size of heteromorphism of Ag-NORs in L. ventripunctatus has been discovered. No heteromorphic sex chromosomes were discovered in L. alpinus based on the analysis of karyotype and banding techniques.

**Key words** [Leptolalax ventripunctatus](#) [L. alpinus](#) [karyotype](#) [Ag-NORs](#) [C-banding](#) [Pelobatidae](#)

DOI:

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