

花背蟾蜍的核型分析I. 花背蟾蜍的血淋巴细胞培养及其核型分析

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摘要 采用淋巴细胞培养的方法, 分析了花背蟾蜍的核型, 并与中华大蟾蜍进行了比较。与蟾蜍属的多数物种一样, 花背蟾蜍的2n也是22, 由6对大染色体和5对小染色体构成, 各对染色体之间在形态上可以区分。花背蟾蜍与中华大蟾蜍在核型上有微小而又重要的差别, 主要涉及核仁组织者的位置和第10染色体。应当特别指出的是, 与蟾蜍属的其它物种不同, 花背蟾蜍的NOR染色体是第4染色体。在分析正常核型的同时, 还发现了自发畸变的有丝分裂相, 畸变率约为1%。

关键词

分类号

The Karyotype of *Bufo raddei* Strauch I. The Cultivation of Blood Leucocytes of *Bufo raddei* and an Analysis of Its Karyotype

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Abstract

The karyotype of toad, *Bufo raddei*, was analysed by the technique of leukocytes culture in vitro and compared with karyotype of *Bufo bufo gargarizans*. It was the same as the majority of the species of genus *Bufo* that the diploid chromosome complement for the *B. raddei* was 22. It consisted of 6 pairs of large and 5 pairs of small homologues. According to the morphological differences, each of them could be distinguishable. There were slight but important differences in the karyotypes between *B. raddei* and *B. bufo gargarizans*, concerning the localization of the nucleolar organizer and the 10th chromosome. It was emphasized that the NOR-chromosome was the 4th chromosomes in the *B. raddei*, which was not alike to the other species of genus *Bufo*. While observing the normal karyotype, we have found some spontaneous aberrations the frequency of which was about 1%.

Key words

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