

泽蛙、日本林蛙、饰纹姬蛙不同地理居群的核型多样性 Karyotype Diversity of Different Geographical Population of Rana limmocharis boie, Rana j. Japonica and Microhyla ornata

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摘要 : 本文研究了温州地区的泽蛙、日本林蛙、饰纹姬蛙的核型, 并分析了9个地理居群泽蛙的核型、4个地理居群日本林蛙的核型和3个地理居群饰纹姬蛙的核型。结果表明, 不同地理居群的同种蛙均有相同的染色体数和核型模式。泽蛙、日本林蛙都为 2n=26, NF=52, 核模式5+8; 饰纹姬蛙 2n=24, NF=48, 核模式6+6。但同一种蛙的不同地理居群之间在SM数目和顺序、次缢痕或随体的位置等都有所不同, 说明不同地理居群的同种蛙的染色体具有丰富的多样性。故保护蛙品种资源多样性, 不仅要整个群体上考虑, 而且要针对每个品种(或类群)进行保护。

Abstract: The karyotypes of Rana limmocharis boie, Rana j. Japonica, and Microhyla ornata from Wenzhou were studied. The karyotypes of nine populations of Rana limmocharis boie, four populations of Rana j. Japonica and three populations of Microhyla ornata from different geographical regions were compared. The results demonstrated that the same species of different geographical populations have the same amount of chromosome and karyotypic formulae. Rana limmocharis boie and Rana j. Japonica have 2n=26, NF=52 and 5+8 karyotypic formulae. Microhyla ornata has 2n=24, NF=48 and 6+6 karyotypic formulae. But some dissimilarities were found among them. First, the number and sequence of submetacentric chromosome were different among them, and then the secondary constriction (SC) or satellite (Sat) were also different. It was showed that the chromosomes of same species of different geographical population have diversities. Conservation of frog genetic diversity must be considered of not only the genetic diversity conservation of the total frog population but also that of every frog breed.

关键词 [泽蛙](#) [日本林蛙指明亚种](#) [饰纹姬蛙](#) [染色体多样性](#) **Key words** [Rana limmocharis boie](#) [Rana j. Japonica](#) [Microhyla ornata](#) [karyotype diversity](#)

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