

利手、优势足及扣手的遗传方式初探 Pilot Study of Hereditary Mode on Handedness, Preferential Foot and Hand-Clasping

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摘要 采用Slater区分单基因和多基因遗传的计算模式及Smith无偏分析方法对21个家系资料的分析表明: 利手、优势足、扣手特征均为常染色体单基因显性遗传, R型为显性性状。虽然环境因素对这类特征的表现也有一定的影响, 但遗传因素仍起主要作用。

Abstract: The data of 21 families were analyzed by the method of Slater's calculating model to differentiate between single-gene and multi-gene heredity and by the method of non-deviation analysis. The results showed that the hereditary mode of handedness or preferential foot or hand-clasping is the dominant heredity of single gene of autosome, and the right type of all of them is the dominant character. In a way, although environmental factors affected the phenotypes of these characters, hereditary factors were also the decisive ones.

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