

综合分离分析的微机程序设计及其应用¹⁾

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摘要 基于单基因遗传模型,我们在IBM PC/XT 微型计算机上,用BASIC语言设计了综合分离分析 程序。并应用该计算机程序分析了133个用家族法和家族史法调查的寻常性鱼鳞癣核心家系,98个仅用家族法调查的寻常性鱼鳞癣核心家系和101个原因不明的父母表型正常的感音神经性耳聋核心家系。结果表明,该计算机程序可用于遗传方式分析和遗传咨询。

关键词 [综合分离分析,计算机程序,遗传模型,寻常性鱼鳞癣,感音神经性耳聋](#)

分类号

Design and Application of Computer Program for Comprehensive Segregation Analysis

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Abstract

Based on the major locus genetic model,we designed a computer program used BASIC language for comprehensive segregation analysis in IBM microcomputer.The applic ability of the program has been tested by analyzing 113 nuclear families with ic hthyosis vulgaris selected by family method and family-history method,98 nuclear families with ichthyosis vulgaris selected by family method as will as 101 nucl ear families with sensorineural deafness of unknown causes.The program is useful for genetic analysis and genetic counselling.

Key words [Comprehensive segregation analysis](#) [Computer program](#) [Genetic model](#) [Ichthyosis vulgaris](#) [Sensorineural deafness](#)

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