

中国人群1、9、16和Y染色体C带多态性的研究——汉族和黎族人群的比较

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摘要 应用C带技术,研究了汉族56人和海南岛黎族19人1、9、16、Y染色体中结构异染色质的多态性。汉族两族1、9、16和Y染色体中结构异染色质的多态性。汉黎两族1、9、16和Y染色体的C带正常类型分为3、2、2、3类。1、9、16、Y染色体C带大小及位置改变的变体发生频率,两个民族基本一致,无显著性差异。性别间比较,也无显著差异。汉黎两族共75人,染色体C带变体总数为115个,其中1号染色体51个,9号34个,16号7个,Y13个;1号染色体部分倒位5个,9号部分倒位5个,两族1、9、16号同源染色体C带多态分布的频率符合Hardy-Weinberg定律。

关键词

分类号

C-Band Polymorphism in Chinese Populations— A-Comparison Between the Han and Li Nationalities

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Abstract

Using C-banding technique, the C-band polymorphism of chromosomes 1, 9, 16 and Y of 56 Han people of Beijing and 19 Li people of Hainan Island was studied. The normal C-band pattern of these chromosomes of both Han and Li individuals were consistent. The size levels of C-band for 1, 9, 16 and Y were 3, 2, 2, 3, respectively. Most of the Han and Li individuals had medium-sized Y chromosomes. The comparison of the frequency of the size variants on chromosomes 1, 9, 16 and Y as well as the partial inversion of the C-band on chromosomes 1 and 9 between the two nationalities revealed no significant difference. The distribution frequencies of C-band variants on homologous chromosomes of 1, 9, 16 in Han and Li nationalities were consistent with the expected frequencies of the Hardy-Weinberg Law as well as with

Mendelian segregation. There was no significant difference in the frequency or type of variants of chromosomes 1, 9, 16 between the sexes.

Key words

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