

上海地区汉族人5-HT2a受体基因T102C多态性的基因频率分布 A Study of the Distribution about Genotype and Allele Frequencies of T102C Polymorphism in the 5-HT2a Receptor Gene in Chinese Han Population in Shanghai

罗星光1, 江三多2, 江开达1, 顾牛范1, 林嗣萃2, 钱伊萍2 LUO Xing-guang1, JIANG San-duo2, JIANG Kai-da1, GU Niu-fan1, LIN Si-cui2, QIAN Yi-ping2

1.上海医科大学精神医学教研室, 上海 200032 2.上海市精神卫生研究所遗传室, 上海 200030

1.Department of Psychiatry, Shanghai Medical University, Shanghai 200032 2.Institute of Genetics, Shanghai Mental Health Center, Shanghai 200030

收稿日期 修回日期 网络版发布日期 接受日期

摘要 为了揭示中国汉族人5-HT2a受体基因T102C多态性基因频率的分布,我们随机抽取了226例汉族健康人作研究,用限制性片段长度多态性(RFLPs)技术测定研究对象的基因型和等位基因。结果发现汉族正常人5-HT2a受体基因T102C多态性基因型频率依次为:A1/A2=0.5044, A1/A1=0.2965, A2/A2 =0.1991, 两种等位基因频率依次为:A1=0.5487, A2=0.4513, 杂合度H=0.5044、期望杂合度h=0.4953, 多态信息量PIC=0.3726, 表明T102C多态性具有合适信息,对疾病的关联研究,法医学鉴定有一定的价值。

Abstract:To investigate the distribution about genotype and allele frequencies of T102C polymorphism in the 5-HT2a receptor gene Chinese Han population, the genotypes and alleles of 226 healthy person were examined with Restriction Fragment Length Polymorphisms (RFLPs) technique. The genotype frequencies are as follows: A1/A2=0.5044, A1/A1=0.2965, A2/A2=0.1991, respectively, and the allele frequencies are as follows: A1=0.5487, A2=0.4513, respectively. The heterozygosity (H) is 0.5044, the expected heterozygosity (h) is 0.4953, and the Polymorphism Information Content (PIC) is 0.3726. Our findings suggest that the T102C polymorphism in 5-HT2a receptor gene may have suitable information to be used for association study or forensic identification.

关键词 [中国汉族人](#) [5-HT2a受体基因](#) [T102C多态性](#) **Key words** [5-HT2a receptor gene](#) [T102C polymorphism](#) [Chinese Han population](#)

分类号

扩展功能

本文信息

- ▶ [Supporting info](#)
- ▶ [PDF\(928KB\)](#)
- ▶ [\[HTML全文\]\(0KB\)](#)
- ▶ [参考文献](#)

服务与反馈

- ▶ [把本文推荐给朋友](#)
- ▶ [加入我的书架](#)
- ▶ [加入引用管理器](#)
- ▶ [复制索引](#)

[Email Alert](#)

- ▶ [文章反馈](#)
- ▶ [浏览反馈信息](#)

相关信息

- ▶ [本刊中 包含“中国汉族人”的相关文章](#)
- ▶ [本文作者相关文章](#)

- [罗星光](#)
- [江三多](#)
- [江开达](#)
- [顾牛范](#)
- [林嗣萃](#)
- [钱伊萍LUO Xing-guang](#)
- [JIANG San-duo](#)
- [JIANG Kai-da](#)
- [GU Niu-fan](#)
- [LIN Si-cui](#)

Abstract

Key words

DOI:

通讯作者