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α -珠蛋白-3'HVR探针DNA指纹图法医应用的研究

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摘要 α -珠蛋白-3'HVR探针所建立的杂我方法, 获得清晰可辩的DNA指纹图。就北京载我200名无 关个体的DNA指纹图分析和统计结果, 其相关机率为 4.0×10^{-12} , 对6个家系的32名相关个 体的分析, 符合孟德尔定律, 足以用作准确的个人识别和亲子关系鉴定, 并已用于检案, 为 侦破强奸、凶杀等案件提供了重要依据。

关键词 [\$\alpha\$ -珠蛋白-3'HVR探针,DNA指纹图,相关机率,个人识别,亲子鉴定](#)

分类号

The Application of α -globin-3'HVR Probe for DNA Fingerprinting in Forensic Science

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Abstract

Using α -globin-3'HVR as the molecular hybridization probe, A clear and readable DNA fingerprint has been obtained. Based on the DNA fingerprint analysis of 200 unrelated individuals living in Beijing area, the probability of chance association of two random individuals was 4.0×10^{-12} .

The study of 32 related individuals of 6 families showed that the inheritance of DNA fingerprint bands conformed to the Mendelian law. The method is reliable for the individual identification and paternity test. It provides a scientific basis for solving cases such as rape, homicide etc. and it has been used in our actual case work.

Key words [\$\alpha\$ -globin-3'HVR probe](#) [DNA fingerprint](#) [Probability of chance association](#). [Individual identification](#) [Paternity test](#)

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