

用DNA指纹图技术分析Wistar大鼠的遗传距离 Analysing Genetic Distance of National Wistar Rat with DNA Fingerprinting

陈振文1, 李瑞生1, 王承利2, 赵林山3, 宋德光4, 王大鹏5 CHEN Zhen-wen1, LI Rui-sheng1, WANG Cheng-li2, ZHAO Lin-shan3, SONG De-guang4, WANG Da-peng5

1. 军事医学科学院实验动物中心, 北京 100071; 2. 沈阳军区总医院实验动物中心, 沈阳 110015; 3. 哈尔滨市医科大学实验动物中心, 哈尔滨 150086; 4. 解放军军需大学实验动物中心, 长春 130062; 5. 海军总医院实验动物中心, 北京 100037
1.Laboratory animal center,academy of military medical sciences,Beijing 100071,China; 2.Laboratory animal center,Military Total Hospital of Shenyang,Shenyang 110015,China; 3.Laboratory animal center,Medical university of Haerbin,Haerbin 150086,China; 4.Laboratory animal center,the quartermaster university of PLA,Changchun 130062,China; 5.Laboratory animal center,Naval Military Total Hospital of PLA,Beijing 100037,China

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摘要 采用JL-02多位点探针和Southern杂交对Wistar大鼠基因组进行了DNA指纹分析, 并对国内最具有典型的6个地区9个Wistar大鼠群体内和群体间进行了DNA指纹分析比较。结果表明, DNA指纹图较好地反映了封闭群动物的遗传本质, 具有良好的多态性。同一群体不同个体间Wistar大鼠遗传距离主要为0.2~0.6, 将不同群体的Wistar大鼠DNA指纹图带进行分析表明, 所有群体间的DNA指纹图的遗传距离在0.2~0.7。

Abstract: DNA fingerprinting of Wistar rat were studied with JL-02 Mulilocus probe and Southern hybridization, and comparing with different individuals of nine groups Wistar rat from six national classical area and different groups. It was indicated that DNA fingerprinting could reflect genetic material of outbred strain rat, and were more polymorphic. The genetic distances of Wistar rat were distributed for 0.2~0.6 among different individuals within same groups, and the genetic distances of Wistar rat were distributed for 0.2~0.7 among different groups.

关键词 [DNA指纹图](#) [Wistar大鼠](#) [遗传距离](#) **Key words** [DNA fingerprinting](#) [wistar rat](#) [genetic distance](#)

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