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论著

应用RAPD技术对我国不同地域红色毛癣菌分离株的遗传多样性研究

鲁莎¹, 鲁长明¹, 吴绍熙², 李春阳³, 沈永年², 李希清¹

1. 中山大学孙逸仙纪念医院皮肤科, 广州, 510120;
 2. 中国科学院皮肤病研究所, 南京, 210042;
 3. 山东大学齐鲁医院皮肤科, 济南, 250062

摘要: 目的 探讨我国不同地域红色毛癣菌分离株的遗传多样性。方法 采用随机扩增DNA多态性(RAPD)方法对来源于我国不同地域(江苏南京,山东济南,广东广州)的32株红色毛癣菌临床分离株进行DNA多态性分析。结果 红色毛癣菌种内差异明显,根据遗传相似性分成三大聚类群,与地域差异及取材部位无明显相关性,而与表型具有一定相关性。结论 随机扩增DNA多态性方法可用于红色毛癣菌的DNA分型,其DNA带型具有一定的遗传变异性,与菌株表型有一定关系,与地域差异、侵犯部位无明显相关性。

关键词: 红色毛癣菌 遗传多样性 随机扩增DNA多态性方法

Genetic diversity of *Trichophyton rubrum* from different regions of China by random amplified polymorphic DNALU Sha¹, LU Chang-ming¹, WU Shao-xi², LI Chun-yang³, SHEN Yong-nian², LI Xi-qing¹

1. Department of Dermatology, Sun Yat-sen Memorial Hospital, Sun Yat-sen University, Guangzhou 510120, China;
 2. Department of Fungal Skin Disease, Institute of Dermatology, CAMS and PUMC, Nanjing 210042, China;
 3. Department of Dermatology, Qilu Hospital of Shandong University, Jinan, 250012, China

Abstract: Objective To study the genetic diversity of *T.rubrum* from different geographical origins of China(Nanking,Jinan,Guangzhou).Methods Totally 32 clinical isolates of *T.rubrum* were collected and analyzed by random amplified polymorphic DNA(RAPD)analysis.Results Subsequent analysis of the gel profiles by computerized cluster-derived dendrograms revealed that significant intraspecific differences were relevant to phenotype,but not the region or isolated sources which divided *Trichophyton rubrum* into 3 cluster groups.Conclusions RAPD assay is useful for molecular typing of *T.rubrum*.

Keywords: *Trichophyton rubrum* genetic diversity random amplified polymorphic DNA method

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通讯作者: 李希清,E-mail:xiqing.li@gmail.com

作者简介: 鲁莎,女(汉族),博士研究生在读.E-mail:doctor.lu23@gmail.com

作者Email: xiqing.li@gmail.com

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