

研究报告

中国10个地方猪种的群体近交程度分析

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摘要 利用微卫星标记估计了中国10个地方猪种的群体近交系数。结果表明: 在随机交配群体中, 贵州小型香猪的近交系数最高为0.1992, 汉中黑猪的近交系数最低为0.0727。F检验表明, 品种间近交系数的差异不显著 ($P>0.05$)。在近交群体中, 贵州小型香猪近交系和巴马香猪近交系的近交系数分别为0.5907和0.4761。

关键词 [微卫星标记](#) [近交系数](#) [地方猪品种](#)

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The Degree of Inbreeding in 10 Chinese Indigenous Pig Breeds

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Abstract

The population inbreeding coefficients of 10 indigenous pig breeds were estimated by microsatellite markers. Results showed that: the inbreeding coefficient of Guizhou miniature pig was the highest (0.1992), and that of Hanzhong black pig the lowest (0.0727) among random mating populations. F test showed no significant difference in inbreeding coefficient among the 8 breeds ($P > 0.05$). The inbreeding coefficient of the Guizhou miniature pig and Bama miniature pig inbreeding lines was 0.5907 and 0.4761, respectively.

Key words [microsatellite marker](#) [inbreeding coefficient](#) [indigenous pig breed](#)

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