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贵州小型香猪基因组DNA的AFLP检测研究 Genetic Monitoring of Genomic DNAs from Guizhou Miniature Pigs BY Aflp

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摘要 报道了AFLP标记在研究贵州小型香猪遗传多态性方面的应用和该品系猪个体基因组DNA的AFLP扩增结果,分析了贵州小型香猪的群体遗传结构.实验应用10条AFLP引物,用Pst Ⅰ酶切,对17头猪基因组DNA进行AFLP反应,共获得116个AFLP标记,单引物获得的标记数在2～22间,贵州小型香猪群体相似系数AFLP研究结果为0.866(0.760～0.967),该研究为评价贵州小型香猪的遗传稳定性提供了相关的参数,准确评价尚待和其它品种猪对比研究后确定。

Abstract:We reported the application of AFIP markers to detect genetic polymorphic loci in Guizhou miniaturc pig and their amplified AFLP results.Their genetic construction Of the population was also analysed.TenAFLP primers were used,genomic DNAs from 17 pigs were restrictive by pst I,116 AFLP markers were obtained,the obtaining marker numbers of individual primer were between 2~22.The results indicate as the following:(1)AFLP marker is suitable for analysing genetic polymorphism in pig;(2)The similarty index of population in Guizhou miniaturc pigs was 0.866(0.760~0.967).The study provides a uscful parameter with appraise genetic stability of Guizhou miniature pigs.

关键词 小型香猪 群体遗传结构 分子标记 AFLP Key words miniature pig genetic construction of population molecular marker AFLP

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Abstract

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