

## 三江白猪与其他5个品种猪的群体遗传关系的分析 Analysis on Genetic Relationship of Sanjiang White Pig and 5 Other Pig Breeds by PAPD

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摘要

应用100条RAPD引物对三江白猪及其杂交亲本长白猪和东北民猪, 以及大约克夏、圣特西和法系大白猪进行亲缘关系的DNA多态分析。其中15条引物的扩增结果具有明显的多态, 将其扩增结果进行聚类分析, 发现三江白猪与长白猪(遗传距离 $d = 0.090$ )、与东北民猪( $d = 0.175$ )的亲缘关系较近, 与大约克夏( $d = 0.263$ )、法系大白( $d = 0.223$ )、圣特西猪( $d = 0.580$ )的亲缘关系较远。Abstract: One hundred primers were used to analyze the polymorphism of kinship of Sanjiang White pig and its parents, Landrace and Dongbei Min pig, Yorkshire, French Hybrids(Fh 019 strain), French Yorkshire by RAPD. Amplification results of 15 primers showed obvious polymorphisms, which were analyzed by clustering. The results indicate that the genetic relationship of Sanjiang White Pig, and Landrace, and Dongbei Min pig are respectively closer( $d=0.090$ ,  $0.175$ ), and that of Sanjiang White pig and Yorkshive( $d=0.263$ ), French Yorkshire( $d = 0.223$ ), Fh 019strain ( $d = 0.580$ ) are respectively further.

关键词 [三江白猪](#) [RAPD](#) [亲缘关系](#)Key words [Sanjiang White pig](#) [RAPD](#) [genetic relationship](#)

分类号

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#### Abstract

#### Key words

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