

畜牧—研究报告

中国绵羊品种mtDNA遗传多态性与系统进化研究

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摘要:

摘要: 本研究检测了中国8个地方绵羊品种和2个外来品种共计93只绵羊个体的mtDNA D-loop高变区, 获得了63种单倍型, 73个变异位点, 其中单一多态位点30个, 简约信息位点43个, 除了缺失和插入位点外, 还包括22处碱基转换和1个碱基颠换, 转换和颠换之比为14.8; 通过系统发育树分析, 中国绵羊mtDNA D-loop单倍型序列聚成A、B、C三大支系, 表明了中国现代绵羊品种存在3个母系起源, 且第三个起源地可能在中国。

关键词: 系统进化

Study on mtDNA Genetic Diversity and Phylogeny Evolution of Chinese Sheep Breeds

Abstract:

Abstract : The study detected mtDNA d-loop hypervariable region of 93 sheep, which came from eight chinese sheep breeds and two origin sheep breeds. The study acquired 63 haplotypes, 73 variable sites. single polymorphism sites and concision information sites were 30 and 43,respectively. Expect from deletion site and inserted site, the result included 22 base transitions and 1 base transversion. The rate of base transitions and 1 base transversion is 14.8. By phylogenesis analysis, the haplotypes sequence of Chinese sheep mtDNA D-loop clustered A,B and C subline. It showed that Chinese sheep breed had three maternal origin. The origin area of C subline might china.

Keywords: Phylogeny evolution

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