

云南保山猪线粒体DNA D-loop区序列初步分析 Primary Analysis of Mitochondrial DNA D-loop Region Sequence in Baoshan Pig

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摘要

摘要: 为了解云南保山猪(Baoshan pig)的遗传多样性及其遗传背景, 我们测定了19个个体线粒体DNA D-loop高变区I 15 363~15 801片段序列438 bp。检测到10种单倍型, 包括8个多态位点, 其中5次T/C转换、1次G/A转换、1次G/C颠换和1次A/T颠换, 其A、T、G、C碱基的平均含量分别为35.4%、26.9%、13.2%和24.5%, A+T含量(62.3%)明显高于G+C含量(37.7%)。对于保山猪的保种及其持续利用有着重要的理论指导意义。

Abstract: To investigate the genetic diversity and genetic data of Baoshan pig in Yunnan province, the mitochondrial DNA D-loop hypervariable segment I sequences 15 363~15 801 (438 bp) in 19 individuals of Baoshan pig were sequenced. Ten mitochondrial haplotypes were identified in the samples, with 8 sites showing polymorphism, which were 5 T/C and 1 G/A transitions, 1 G/C and 1 A/T transversions. The contents of A, T, G and C were 35.4%, 26.9%, 13.2% and 24.5%, respectively. The content of A+T (62.3%) was significantly higher than that of G+C (37.3%). It will be of importance to conservation and sustainable utilization in Baoshan pig.

关键词 [保山猪](#) [线粒体DNA D-loop](#) [高变区I](#) [遗传多样性](#) Key words [Baoshan pig](#) [mitochondrial DNA D-loop](#) [hypervariable segment I](#) [genetic diversity](#)

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