

# 云南省三个地方鸡种血液淀粉酶多态性分析 Analysis on Polymorphism of Blood Amylase in Three Local Chicken Breeds of Yunnan Province

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**摘要** 采用垂直平板聚丙烯酰胺凝胶电泳法, 测定了版纳斗鸡、武定鸡、尼西鸡的血液淀粉酶(Amy)。发现云南3个地方鸡种Amy-1的AA、BB型纯合子基因型频率很低, 其中尼西鸡为0, 而AB型杂合子基因型频率很高, 杂合子显著过量, 均偏离Hardy-Weinberg平衡。在版纳斗鸡少数个体中还发现控制血液淀粉酶的另一位点Amy-2。

**Abstract:** Blood amylase polymorphism in 3 Yunnan local chicken breeds (Banna game chicken, Wuding chicken, Nixi chicken) was determined with polyacrylamide gel electrophoresis. It was found that frequencies of both AA and BB homozygous genotype were very low, while AB heterozygote genotype frequency was very high in 3 Yunnan local chicken breeds and that Amy-1 distribution in these breeds was widely deviated from Hardy-Weinberg equilibrium proportion. We have also found that there is another locus Amy-2 which controls the amylase in a few Banna game chickens.

**关键词** [云南地方鸡种](#) [血液淀粉酶](#) [基因频率](#) [基因型频率](#) **Key words** [Yunnan local chicken breeds](#) [Blood amylase](#) [Genotype frequency](#) [Gene frequency](#)

分类号

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## Abstract

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