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# 选育过程中的粤黄鸡血液淀粉酶(Amy-1)基因频率的世代变化*

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摘要 本文调查了粤黄鸡两个选育方向和交配方式均不同的品系的血液淀粉酶(Amy-I)各世代 的分布情况，并以不同Amy-I类型粤黄鸡作了交配试验。发现两个品系各世代都始终保持Amy -1分布不平衡状态，这种分布不平衡可能由各种Amy-1基因型生活力不同引起；另外，人工 选择也可能造成Amy-I基因频率的改变。交配方式是否对Amy-1基因频率的改变起作用值得进 一步研究。

关键词 粤黄鸡,血液淀粉酶(Amy-I),基因频率,世代变化

分类号

# Generation Changes in The Gene Frequencies of Blood Amylase (Amy-1)in Yuehuang C hicken During The Selection and Breeding*

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**Abstract**

The distribution of blood amylase (Amy-1) in two lines of Yuehuang chicken i n which different selection goal and different mating system were carried out wa s investigated. Mating experiments between various Amy-1 phenotypes were also co nducted The results showed that the distalities of different Amy-1 genotypes, we re maintained from generation to generation during the selection and breeding. I n addition, artificial selections for economic tarits could change Amy-1 gene fr equencies. What action on my Amy-1 gene frequency changes that mating system pro duced shoudl be studied further.

**Key words** Yuehuang chicken Gene frequencies Blood amylase (Amy-1) Generation changes

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