

畜禽遗传评定方法的研究进展 The Development and Current Situation of the Methods for Genetic Evaluation in Livestock

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摘要 畜禽遗传评定是畜禽育种的重要内容。目前畜禽遗传评定方法中应用最广的是基于表型信息的BLUP动物模型。基因组学的发展和应用产生了大量分子遗传标记, 结合分子遗传标记信息的遗传评定方法MBLUP随之产生。MBLUP将成为一种快速有效的畜禽遗传评定方法。本文主要介绍了畜禽遗传评定方法的研究进展和发展趋势。

Abstract: Genetic evaluation is one of the most important components in livestock breeding program. Best linear unbiased prediction (BLUP) Animal Model, which based on phenotypic information, has become the most widely accepted method for genetic evaluation of domestic livestock. Large numbers of molecular genetic markers have been discovered as the development and application of genomics. Some new methods (Marked Assisted BLUP, MBLUP) for genetic evaluation have been developed, which incorporating molecular genetic markers information into genetic evaluation. MBULP will be a rapid and efficient method for genetic evaluation of domestic livestock. The aim of the paper is to introduce the development and current situation of the methods for livestock genetic evaluation.

关键词 [遗传评定](#) [BLUP](#) [MBLUP](#) [分子遗传标记信息](#) Key words [genetic evalution](#) [BLUP](#) [MBLUP](#)
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