关于多个数量性状的典范相关研究I.典范性状及其遗传力

杨 德，戴君惕

湖南农学院，长沙

摘要　　本文用多元统计分析方法，研究多个数量笥状的表现型变量与基因型变量的相关关系，提出了典范性状及其遗传力的概念。第一典范性状是测量性状的所有线性组合中具有最大遗传力的线性组合，第i典范性状则是在与前面i-1个典范性状不相关的那些性状的线性组合中具有最大遗传力的线性组合。在实际问题中，只须取少数典范性状进行研究就能充分利用试验所提供的信息。提出了估计典范性状及其遗传力的方法，并讨论了典范性状在遗传育种研究中应用的可能性。

关键词

分类号

Approaches to Canonical Correlations of Multiple Quantitative TraitsI. Canonical Character and Its Heritability

Yang De, Dai Junti

Hunan Agriculture College,Changsha

Abstract

The concepts of canonical character and its heritability are proposed after studying correlation between genotypic and phenotypic variates of multiple quantitative traits with multivariate statistical analysis.The first canonical character is the linear combination which has the largest heritability among all linear combinations of the measured traits.And the i'th combination which is named the i'th canonical character has the largest heritability among all combinations of the characters uncorrelated with the previous (i-1) canonical ones.It can make a sufficient utilization of the information in the test only to study a few canonical characters in practical situations.A method for estimating canonical character and its heritability is proposed,and its possible uses in genetics and breeding are discussed.

Key words

DOI:

通讯作者

扩展功能

本文信息

Supporting info

PDF(512KB)

[HTML全文](0KB)

参考文献

服务与反馈

把本文推荐给朋友

加入我的书架

加入引用管理器

复制索引

Email Alert

文章反馈

浏览反馈信息

相关信息

本刊中 无 相关文章

本文作者相关文章

· 杨 德

· 戴君惕