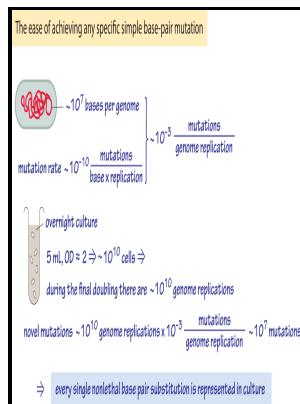


# Estimation of genetic change.

Commonwealth Bureau of Animal Breeding and Genetics - CAB Direct



Description: -

-Estimation of genetic change.

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Reprint -- 93Estimation of genetic change.

Notes: Reprinted from Animal breeding abstracts, 40:2, 1972.

This edition was published in 1972



Filesize: 48.41 MB

Tags: #Estimation #of #genetic #change #in #the #GIFT #strain #of #Nile #tilapia #(Oreochromis niloticus) #by #comparing #contemporary #progeny #produced #by #males #born #in #1991 #or #in #2003

## Estimation of genetic change in the GIFT strain of Nile tilapia (Oreochromis niloticus) by comparing contemporary progeny produced by males born in 1991 or in 2003

With competition genetic and environmental effects ignored, the estimate of pen variance increased by 39%, with little change in estimates of direct genetic or residual variance. Livestock Production Science, 79: 17-28. Fifteen pigs with average age of 71 d were randomly assigned to a pen by line and sex and taken off test after approximately 89 d off-test BW ranged from 61 to 158 kg.

## Estimates of genetic parameters and trends for reproduction traits in Bonga sheep, Ethiopia

Our GRM-based estimates of heritability, by either SDS or GCTA, are close to or slightly higher than those based on the P model, but they are all smaller than those based on the M-RKHS model. Abstract Components of variance for ADG with models including competition effects were estimated from data provided by the Pig Improvement Company on 11,235 pigs from 4 selected lines of swine. The analysis of the drosophila data taken from Macdonald et al.

## of genetic parameters for average daily gain using models by C. Y. Chen, Stephen D. Kachman et al.

These records of time and memory requirements are taken from the runs of the analyses on Dell Precision T1650 with Intel Xeon E3-1280 3.

## Estimation of genetic parameters for average daily gain using models with competition effects — Research Nebraska

Setting up and using a Punnett square is quite simple once you understand how it works. At the first glimpse, the use of weighted least square WLS analysis would be a natural solution to this problem

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There are recent studies on the use of GPU-based parallel computing in GWAS —, but these studies focus on detecting individual gene or gene-gene epistatic effects through genome-wide scan using single-marker analysis.

## **Basic Principles of Genetics: Probability of Inheritance**

Variances could be partitioned with either pen effects or environmental competition effects in the model. This is a simple graphical way of discovering all of the potential combinations of that can occur in children, given the genotypes of their parents.

## **Estimates of genetic parameters and trends for reproduction traits in Bonga sheep, Ethiopia**

For this reason, there are now a whole array of software packages including ASREML , EMMA , , FaST-LMM , GEMMA , GCTA , rrBLUP and TASSEL that implement the REML in the LMM analysis.

## **Basic Principles of Genetics: Probability of Inheritance**

The effect of genetic sampling is evident as the values are distributed around their respective true values. In this study, we investigate the statistical properties and computational efficiency of the least-squares-based SDS method in comparison to the two LMM methods rrBLUP and GCTA to see the feasibility of the SDS method as a viable alternative to LMM-based methods.

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