

研究报告

基于F-2群体的藏鸡羽色、胫色性状的遗传分析

王存芳, 李宁, 吴常信

1. 中国农业大学动物科技学院, 北京 100094; 2. 山东轻工业学院食品与生物工程技术学院, 济南 250100; 3. 中国农业大学农业生物技术国家重点实验室, 北京 100094

收稿日期 2005-12-29 修回日期 2006-2-24 网络版发布日期 2006-7-7 接受日期

摘要 采用白来航、寿光鸡分别与藏鸡进行正反交交配, F1代进行自群交配产生F2群体, 观察F1和F2代中羽色、胫色的表现和分离比例。结果表明, 白来航鸡的白羽和寿光鸡的黑羽对藏鸡麻羽的遗传方式是完全显性遗传; 麻羽是由两个或两个以上的等位基因决定的, 只有同时存在这两个或两个以上的等位基因, 才可能表现出麻羽来; 决定胫色性状的Id/id基因为伴性遗传, 隐性基因id在纯合子时有个逐步表达的过程; 本研究证实了所用白来航公鸡胫色性状的基因型为显性纯合子。

关键词

[藏鸡×白来航](#); [藏鸡×寿光鸡](#); [资源家系](#); [羽色](#); [胫色](#)

分类号 [Q953](#)

Genetic Analysis of Feather Color and Shank Color Trait Based on F-2 Resource Population in Tibetan Chicken

WANG Cun-Fang^{1,2}, LI Ning³, WU Chang-Xin¹

(1. College of Animal Science and Technology, China Agricultural University, Beijing 100094, China; 2. College of Food and Biologic Engineering, Shandong Institute of Light Industry, Jinan 250100, China; 3. State Key Laboratories for Agro Biotechnology, China Agricultural University, Beijing 100094, China)

Abstract

Tibetan chicken were crossed reciprocally with White Leghorn and Shou-Guang chicken respectively, and inter se mating in F1 were carried on to F2 population in this paper. Feather color and shank color performance and separated proportion of F1 and F2 were observed. The results indicate that white feather of White Leghorn chicken and black feather of Shou-Guang chicken are complete dominance heredity to hemp feather of Tibetan chicken. Hemp feather is determinate by two or more than two alleles. Only these two or above two alleles is of concurrence, then hemp feather displays possibly. Id/id allele decided shank color is of sex-linkage inheritance, recessive gene id homozygote has process which expresses gradually. We confirm that genotype of shank color in White Leghorn chicken in this paper is the dominant homozygote.

Key words [Tibetan chicken×White Leghorn chicken](#) [Tibetan chicken×Shou-Guang chicken](#) [resource population](#) [feather color](#) [shank color](#)

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