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专论与综述

鸡MHC与传染性疾病遗传抗性的相关性研究进展

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摘要

鸡是我国主要的家禽品种，抗病分子育种在鸡的疾病尤其是传染病控制中有着重要地位，抗性基因选择是其技术关键。鸡主要组织相容性复合体(MHC)基因具有高度多态性，与多种传染性疾病抗性紧密相关，受到家禽育种专家的高度关注。文章介绍国外有关鸡MHC与传染性疾病抗性的相关性及抗性基因研究进展，并展望其在鸡抗病育种中的应用前景。

关键词

鸡；主要组织相容性复合体(MHC)；抗病性状

分类号 Q341

Advance in Association of Major Histocompatibility Complex(MHC) Gene Polymorphisms with Resistance Character to Infectious Disease in Chicks

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Abstract

Chick is a main farming breed in China. With the development of intensive feeding in chick, resistance molecular breeding plays a more and more important role in the control of diseases, especial infectious diseases. The choice of genes for disease resistance is the key technology of resistance molecular breeding. The MHC is of great interest to poultry breeding scientist for the extraordinary polymorphism and close relation with resistance character to infectious disease. The article gives a detail introduction about the association of the MHC gene polymorphisms with resistance characters to infectious diseases in chicken and prospects the future of application of the MHC in resistance molecular breeding of chicken.

Key words chicken major histocompatibility complex(MHC) disease resistance character

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