

研究报告

鸡种系嵌和体的研制及其AFLP检测

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摘要 利用密度梯度离心等方法从孵化51-56 h的石歧杂鸡胚血液中提取PGCs, 用自制的玻璃注射针将PGCs注射到孵化2.5 d的H系受体鸡胚中制备种系嵌和体鸡; 通过筛选AFLP引物建立起家禽嵌和体的AFLP检测方法; 经检测20个发育的PGCs受体鸡胚中有8个种系嵌和体, 嵌和率为40%。

关键词 [家禽原始生殖细胞](#) [种系嵌和体](#) [扩增片段长度多态性](#)

分类号

Generation of Chicken Germ-line Chimeras by Transferring PGCs and Their Identification by AFLP

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Abstract

PGCs (Primordial germ cells) were isolated from the blood of 51~56 h hatching Shiqiza chicken embryos by Ficoll density gradient centrifugation. The PGCs were injected into 2.5 d hatching embryos of H breed chicken to produce germ-line chimeras. AFLP checking method was established to identify chicken germline chimeras. Eight germ-line H-S chimera embryos were identified among 20 developing H breed embryos.

Key words [PGCs](#) [germline chimeras](#) [AFLP](#)

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