

研究简报

猪 *POU1F1* 基因第 3 内含子 *Msp* I 酶切片多态特征及其与生长性能相关性的研究

滕 勇, 宋成义, 经荣斌

扬州大学江苏省动物遗传育种重点实验室, 扬州 225009

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摘要 A 2 100 bp segment of the third intron of the porcine *POU1F1* gene was amplified by PCR approach. Two polymorphic fragments of 1 680 bp(C allele) and 850/830 bp(D allele) were observed. In this paper, we discussed the *Msp* I polymorphic restriction sites in F2 stirp-Changdufengjiang pigs [Landrace×(Duroc×Fengjiang)], and studied the effect on growth performance of allele gene at *Msp* I restriction site. The result showed that three genotypes at *Msp* I polymorphic restriction sites had significant characteristics of distribution in the herds of Changdufengjiang pigs and the growth performance was affected. The weights between DD genotype and other genotypes in different stages of days(expect birth weight) differed significantly($0.01 < P < 0.05$) or differed very significantly($P < 0.01$), and the daily gain between DD genotype and other genotypes in different stage of days also differed significantly or differed very significantly. In a word, the allele gene D played an important role in the early and the late growth performance.

关键词 [porcine *POU1F1* gene](#) [polymorphisms](#) [growth performance](#)

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作者个人主页: [滕 勇](#); [宋成义](#); [经荣斌](#)

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