

不同猪种肠毒素大肠杆菌 (ETEC) F4受体微卫星标记遗传差异性研究 The Genetic Variation of Two Microsatellite Markers of Escherichia coli F4(K88) Receptor in Different Swine Breeds

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ETEC; 微卫星; 基因杂合度; Shannon信息指数; 遗传标记Key words: ETEC; microsatellite; gene heterozygosity; Shannon information index; genetic marker

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摘要 采用13号染色体上与K88ab和K88ac受体基因连锁的2对引物 (S0223和S0068), 研究沙子岭猪和大约克猪的遗传差异性。结果表明, 2个猪种在2个基因座均存在多态性, 其基因杂合度和Shannon信息指数存在很大差异, 而中外猪种的K88ab和K88ac受体基因也存在遗传差异, 这2对引物可望作为K88ab和K88ac受体基因的遗传标记。
Abstract: The genetic variation of ETEC F4 receptor in Shaziling and Yorkshire breeds were studied using two microsatellite markers(S0223 and S0068). The results showed that there were polymorphisms in the two markers, and there were great variations of the gene heterozygosity and Shannon information index in the two breeds. It was also reported that there were differences in K88ab and K88ac receptors in Chinese native breeds and foreign breeds, so the two markers might be the genetic markers of F4 receptor gene.

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Abstract

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