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栉孔扇贝核糖体 DNA 转录间隔子序列研究及其潜在应用

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摘要:以相应引物 PCR 扩增栉孔扇贝(*Chlamys farreri*)核基因组的核糖体 DNA 两个转录间隔子(ITS-1 和 ITS-2), PCR 产物经 T 载体连接后进行克隆、测序, 分别得到了 340 bp 和 510 bp 的碱基序列, 序列大小非常适合遗传变异及分子系统学研究。其 A、T、G、C 含量在 ITS-1 分别为 32.06%, 20.59%, 22.35% 和 25.00%, 在 ITS-2 分别为 30.00%, 21.37%, 24.12% 和 24.51%。这两个变异性较大的序列在扇贝种群中应用潜力很大, 可广泛用于种内群体间遗传变异研究、种质鉴别及系统学研究。

关键词:栉孔扇贝; ITS-1; ITS-2; 基因序列