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## 太平洋牡蛎核糖体 DNA 转录间隔子和线粒体基因片段序列测定

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**摘要:**以相应引物经 PCR 扩增了太平洋牡蛎(*Crassostrea gigas*)的核糖体转录间区域(ITS-1 和 ITS-2)及线粒体 16S rDNA 和 COI 基因片段。PCR 产物经 T-载体连接后进行克隆和测序, 分别得到长度为 543、791、530 和 700 bp 的核苷酸序列。4 个 DNA 片段的 A、T、G 和 C 碱基含量分别为 23.57%、20.07%、29.47% 和 26.89% (ITS-1), 27.43%、19.22%、27.05% 和 26.30% (ITS-2), 29.25%、29.25%、23.02% 和 18.49% (16S rDNA), 22.71%、39.43%、20.43% 和 17.43% (COI)。实验证明 ITS-1 和 ITS-2 引物在贝类中通用性良好。文中同时讨论了 4 个序列在我国几种牡蛎的种类鉴别及相关研究的应用潜力。

**关键词:**太平洋牡蛎; ITS-1; ITS-2; COI; 16S rDNA; 基因序列