

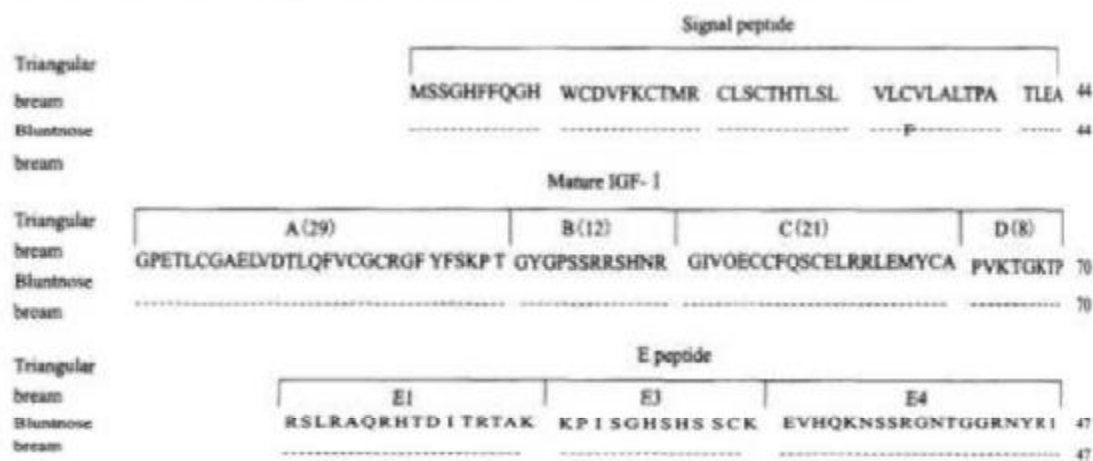


Fig. 4 Amino acid sequences of preprotein in IGF- I of triangular bream and bluntnose bream

图 4 三角鲂、团头鲂 IGF- I cDNA 及其前蛋白原氨基酸序列

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三角鲂形态特征和胰岛素样生长因子- I 基因的序列分析

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摘要:对三角鲂(*Megalobrama terminalis*)形态学特征进行研究,用 RT-PCR 的方法从三角鲂肝脏克隆了三角鲂胰岛素样生长因子- I (IGF- I) 基因的 cDNA 序列。三角鲂传统的形态学数据与团头鲂相似。序列分析表明,三角鲂 IGF- I cDNA 由 486 个核苷酸构成,编码 161 个氨基酸,包含整个信号肽、B、C、A、D 和 E 区,与鲂属团头鲂比较,三角鲂与团头鲂 IGF- I cDNA 序列同源性为 99.8%,氨基酸序列同源性为 99.4%。由此可见三角鲂的遗传学特征与团头鲂非常相似。

关键词:三角鲂;形态特征;IGF- I;种间差异