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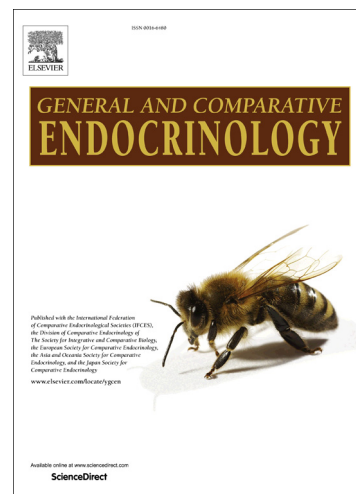
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Promoter methylation and Hoxd4 regulate UII mRNA tissue specific expression in olive flounder *Paralichthys olivaceus*

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Abstract

The peptide urotensin II (UII) mediates multiple physiology effects in mammals and fishes, and UII expression showed a tissue-specific pattern. However the mechanism is still unknown. In the present study high level of UII mRNA was detected in the caudal neurosecretory system (CNSS) of the olive flounder when compared to other tissues. We examined whether epigenetic mechanisms of DNA methylation are involved in UII

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