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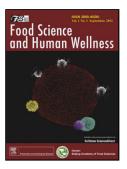
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Identification of sea snake meat adulteration in meat products using PCR-

RFLP of mitochondrial DNA

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Abstract

PCR-RFLP based technique for identification of sea snakes in Thai waters was achieved

by developing species-specific markers. To distinguish between sea snake species, the PCR

products of cytochrome b (Cyt b), 12S and 16S rRNA were sequenced and cut with different

restriction endonuclease, Alu I and Hinf I. Each enzyme generated different - sized

fragments which specific to Cyt b of eight sea snake species. However, the identical pattern

was found among *Hydrophis* group. This result could be resolved by using these enzymes

1

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