

TAXONOMY OF TURGID CALM IN QUANG NINH PROVINCE USING DIRECTLY DNA SEQUENCING OF MITOCHONDRIAL DNA COI GENE

Nguyen Van Tuan, Thai Thanh Binh

Summary

Recently, Turgid clam are become new aquaculture species, but research on taxonomy of Turgid clam are limited. This study present taxonomy research results on Turgid clam in Quang Ninh province. Seventy Tapes clam samples from wild and culture were collected from Quang Ninh and 10 samples were collected from Khanh Hoa province for sequencing on DNA mitochondrial COI region. The length of sequence fragment of each sample is 555 bp. BLAST Genbank results showed sequences of Turgid clam samples from Quang Ninh and Khanh Hoa province similar *Tapes dorsatus* (Lanmark, 1818) with ident from 97 to 100%. Phylogenetic tree presented all samples in this study was the same group *Tapes dorsatus* clam. However, *Tapes dorsatus* clam is synonyme of *Tapes conspersus* (Gmelin, 1791). Thus scientific name Tape clam popular cultured in Quang Ninh province is *Tapes conspersus* (Gmelin, 1791) wich first detected by Gmelin in 1791.

Keywords: COI, taxonomy, Turgid clam.