

Mitochondrial DNA sequence of the horseshoe crab *Tachypleus gigas*

ABSTRACT

This paper reports on the complete mitochondrial (mt) genome of a horseshoe crab, *Tachypleus gigas* (*T. gigas*), in Kuala Kemaman, Terengganu, Malaysia. Whole-genome sequencing of hemocyte DNA was performed with Illumina HiSeq system and the generated reads were de novo assembled with ABySS 2.1.5 and reassembled using mitoZ against *Carcinoscorpius rotundicauda* and *Limulus polyphemus*, resulting in a contig of 15 Kb. Phylogenetic analysis of the assembled mt genome suggests that the *Tachypleus gigas* is closely related to *Tachypleus tridentatus* than to *Carcinoscorpius rotundicauda*.