

APPLICATION OF POST-PCR METHODS FOR ANALYSIS OF MOSQUITO DENSOVIRUS

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Abstract. Two clades of *Aedes* densovirus, *Aedes aegypti* densovirus and *Aedes albopictus* densovirus, were classified according to the origin of isolation. These two densoviruses were isolated from indigenous mosquitoes and mosquito cell lines, respectively. This group of invertebrate viruses belongs to the subfamily Densovirinae of the Parvoviridae family and infects only insects. Several types of densoviruses have been isolated from mosquitoes especially *Aedes aegypti* and *Aedes albopictus*, which are important vectors of dengue hemorrhagic fever and yellow fever in humans. We describe applications of post-PCR techniques, restriction fragment length polymorphism (RFLP) and single-strand conformation polymorphism (SSCP) to classify these two clades of *Aedes* densoviruses isolated from different origins. These methods are simple and rapid and are applicable to identify other groups of densoviruses isolated from biological samples.

Keywords: densovirus, mosquito, post-PCR technique, RFLP, SSCP

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