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The Protein-Protein Interactions between *Amsacta moorei entomopoxvirus* (AMEV) Protein Kinases (PKs) and All Viral Proteins

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HIGHLIGHTS

- Two PKs of AMEV were investigated for the interactions among 230 viral proteins.
- Sixteen interactions were identified among AMEV PKs and all viral proteins.
- One of the five interactions detected for AMV153 PK is self-association.
- The others were AMV035, AMV083, AMV165, and AMV230 proteins from AMEV.
- AMV197 interacted with AMV035, AMV083, AMV165, AMV230, and seven proteins from AMEV.

Abstract

Entomopoxviruses are an important group of viruses infecting only insects. They belong to Poxviridae which infect both invertebrates and vertebrates, including humans. Protein kinases are known to have roles at virus morphogenesis, host selectivity, the regulation of cell division and apoptosis in some vertebrate poxviruses. In this study, 2 protein kinases (PKs) (AMV153 and AMV197) of *Amsacta moorei entomopoxvirus* (AMEV) were investigated for

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