

Compositions and methods for conferring pesticidal activity to bacteria, plants, plant cells, tissues and seeds are provided. Compositions comprising a coding sequence for pesticidal polypeptides are provided. The coding sequences can be used in DNA constructs or expression cassettes for transformation and expression in plants and bacteria. Compositions also comprise transformed bacteria, plants, plant cells, tissues, and seeds. In particular, isolated pesticidal nucleic acid molecules are provided. Additionally, amino acid sequences corresponding to the polynucleotides are encompassed. In particular, the present invention provides for nucleic acid molecules comprising nucleotide sequences encoding the amino acid sequence shown in SEQ ID NO:7, 8, 9, 10, 11, or 12, the nucleotide sequence set forth in SEQ ID NO:4, 5, or 6, as well as variants and fragments thereof.