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(54) Title: INSECTICIDAL PROTEIN AND USES THEREOF

(57) Abstract: Disclosed herein are novel vegetative insecticidal proteins (Vip) from *Bacillus thuringiensis*, nucleotide sequences encoding the proteins, and primers for the identification of the genes encoding the said proteins active against insect pests. The Vip proteins disclosed herein exhibits activity against a wide range of insect pests including, but not limited to the insect pests belonging to Lepidoptera. The nucleotide sequences encoding the said Vip proteins can be used to transform various prokaryotic and eukaryotic organisms including plants to express one or more Vip proteins. These recombinant organisms can be used to control a wide range of insect pests including but not limited to lepidopteran insects.



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