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(54) **SYNTHETIC REPLIKIN PEPTIDES AGAINST PATHOGENIC INFECTION OF INVERTEBRATES IN AQUACULTURE**

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(58) **Field of Classification Search**

None

See application file for complete search history.

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(57) **ABSTRACT**

The present invention provides isolated or synthesized peptides of about 7 to about 50 amino acids identified in the genome of pathogens in invertebrates in aquaculture for prevention and treatment of outbreaks of these pathogens in aquaculture and methods of preventing and treating pathogenic outbreaks using the identified peptides.

17 Claims, 12 Drawing Sheets