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(54) Title: RECOMBINANT VIRAL NUCLEIC ACIDS

(57) Abstract

The present invention relates to a recombinant viral nucleic acid selected from a (+) sense, single stranded RNA virus possessing a native subgenomic promoter encoding for a first viral subgenomic promoter, a nucleic acid sequence that codes for a viral coat protein whose transcription is regulated by the first viral subgenomic promoter, a second viral subgenomic promoter and a second nucleic acid sequence whose transcription is regulated by the second viral subgenomic promoter. The first and second viral subgenomic promoters of the recombinant viral nucleic acid do not have homologous sequences relative to each other. The recombinant viral nucleic acid provides the particular advantage that it systematically transcribes the second nucleic acid in the host. Host organisms encompassed by the present invention include procaryotes and eucaryotes, particularly animals and plants. The present invention also relates to viruses containing the viral vectors which are infective, production cells which are capable of producing the viruses or parts thereof, a host infected by the viruses of the invention, the gene products produced by expression of the viral nucleic acids and a process for the production of a desired product by growing the infected hosts.