

History of Paratransgenesis and a note on its Bioregulation.

Paratransgenic methods are used to modify infectious pathogen-mediated diseases in both plant and animal hosts. Populations of symbiotic bacteria present in the host are genetically modified to express and export in the host, antibody fragments or peptides that have a deleterious effect on the pathogen population. The conditions necessary for successful exploitation of these methods are considered and it is stressed that these methods are adaptations of naturally occurring processes, which have undergone naturally occurring evolutionary processes. Bioregulation of these processes will be most effective if it also follows, gradual evolutionary principles rather than an initial demand for absolute safety, which is usually an elusive goal.

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