

Title (en)
COMPOSITIONS AND METHODS FOR REGULATING BACTERIAL PATHOGENESIS

Title (de)
ZUSAMMENSETZUNGEN UND METHODEN ZUR REGULATION DER BAKTERIELLEN PATHOGENESE

Title (fr)
COMPOSITIONS ET METHODES DE REGULATION DE LA PATHOGENESE BACTERIENNE

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Abstract (en)
[origin: WO0032152A2] This invention provides a purified extracellular bacterial autoinducer-2 signaling molecule, the production of which is regulated by changes in environmental conditions associated with a shift from a free-living existence to a colonizing or pathogenic existence in a host organism. The signaling molecule stimulates LuxQ luminescence genes, and is believed also to stimulate a variety of pathogenesis related genes in the bacterial species that produce it. This invention also provides a new class of bacterial genes involved in the biosynthesis of the signaling molecule.

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