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(54) Title: COMBINATORIAL LIBRARIES OF AUTOINDUCER ANALOGS, AUTOINDUCER AGONISTS AND ANTAGONISTS, AND METHODS OF USE THEREOF

(57) Abstract: The present invention relates to solid phase or solution phase combinatorial libraries of autoinducer analogs. The present invention also relates to autoinducer agonists and antagonists. In addition, the present invention relates to methods for identifying autoinducer agonists and antagonists, as well as methods for regulating the activity of an autoinducer receptor, regulating biofilm formation, regulating growth or virulence of an organism in a subject, inhibiting the quorum sensing mechanism of an organism, and treating an infection in a subject caused by an organism possessing a quorum sensing mechanism which use the autoinducer analogs of the present invention.



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