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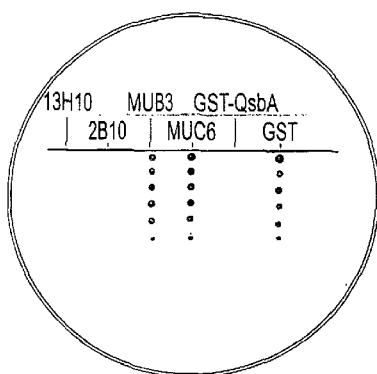
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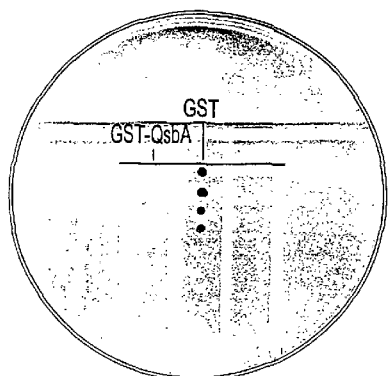
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(54) Title: RALSTONIA AHL-ACYLASE GENE



(57) Abstract: This invention provides a gene, *qsba*, which encodes a protein useful for inactivating certain bacterial quorumsensing signal molecules (N-acyl homoserine lactones) which participate in bacterial virulence and biofilm differentiation pathways. This gene was isolated from *Ralstonia sp.*, strain XJ12B. The invention also provides the QsbA protein, which possesses N-acyl homoserine lactone inactivating activity.



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