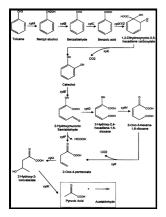
Genetic characterisation of the regulatory genes of TOL plasmid pWWO

Universityof Birmingham - WikiGenes



Description: -

- -Genetic characterisation of the regulatory genes of TOL plasmid $\ensuremath{\mathsf{pWWO}}$
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Notes: Thesis (Ph.D.) - University of Birmingham, Dept of Genetics. This edition was published in 1987



Filesize: 67.47 MB

Tags: #Regulation #of #the #degradative #pathway #enzymes #coded #for #by #the #TOL #plasmid #(pWWO) #from #Pseudomonas #putida #mt

CiteSeerX — Genetic, Functional and Sequence Analysis of the xylR and xylS Regulatory Genes of the TOL Plasmid pWW0 By ROBERT A. SPOONER, * KAREN LINDSAY

In a series of experiments carried out in flow chamber biofilms and on agar plates several plasmid transfer scenarios were studied in situ with emphasis on the correlation between microbial physiological activity and plasmid transfer in surface-associated environments. Thus, none of these strains displayed any fluorescence.

Catabolic Plasmid

Molecular cloning of the plasmid RP4 primase region in a multi-host-range tacP expression vector.

WikiGenes

The level of xylE gene expression in different bacteria tended to be correlated with their phylogenetic distance from Pseudomonas putida.

Benzoate

C: Close up of a zone of transconjugants, where colonies merge. In addition, the use of more than one fluorescent reporter gene permits monitoring of more than one transferable plasmid at the same time e.

The xylS gene positive regulator of TOL plasmid pWWO: identification, sequence analysis and overproduction...

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Vector for regulated expression of cloned genes in a wide range of gram

The TOL plasmid encodes enzymes for conversion of the aromatic hydrocarbons to the corresponding carboxylic acids as well as the metapathway enzymes.

Regulation of the degradative pathway enzymes coded for by the TOL plasmid (pWWO) from Pseudomonas putida mt

Physical and functional mapping of RP4-TOL plasmid recombinants: analysis of insertion and deletion mutants. TOL plasmid transfer in a flow chamber biofilm. No clear candidate for the xylS polypeptide was observed.

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