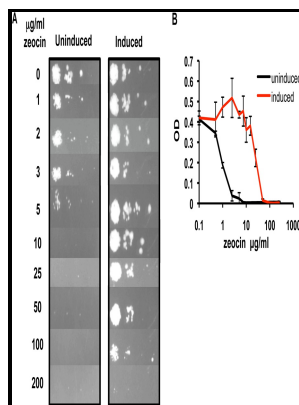


Genetic characterisation of the regulatory genes of TOL plasmid pWWO

University of Birmingham - Nucleotide sequence and expression of gene *nahH* of plasmid NAH7 and homology with gene *xylE* of TOL pWWO



Description: -

- Genetic characterisation of the regulatory genes of TOL plasmid pWWO

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Notes: Thesis (Ph.D.) - University of Birmingham, Dept of Genetics.

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The TOL Plasmids: Determinants of the Catabolism of Toluene and the Xylenes

The corresponding chlorosalicylates were isolated in culture media, suggesting that halogen substitution of the aromatic nucleus is also tolerated by the aldolase. Much work on this strain is currently in progress and several environmental applications are likely to materialize soon.

Activation of the *xylD*LEGF promoter of the TOL toluene

After 1 h the flow channels were turned around and the flow was resumed using a Watson Marlow 205S peristaltic pump Watson Marlow Inc.

An endonuclease cleavage map of the plasmid pWWO

Controlled expression of cloned genes can be achieved in a broad spectrum of Gram negative bacteria grown at a wide range of temperatures. A: Reflection image showing the distribution of biomass in the biofilm analyzed after 4 days.

The TOL Plasmids: Determinants of the Catabolism of Toluene and the Xylenes

Nucleotide sequence of the regulatory gene *xylS* on the *Pseudomonas putida* TOL plasmid and identification of the protein product.

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

Cite this article Lee, J. Many catabolic plasmids isolated thus far carry pathways for the degradation of aromatic compounds, presumably because the benzene ring is second in natural abundance to glucose as a building block.

An endonuclease cleavage map of the plasmid pWWO

In another experiment the aim was to investigate retro-mobilization of the IncQ plasmid, pIE723, present in P. This method has now been successfully used J.

Molecular and functional analysis of the TOL plasmid pWWO from *Pseudomonas putida* and cloning of genes for the entire regulated aromatic ring meta cleavage pathway

Get a printable copy PDF file of the 1. The spatial distribution of this biofilm and the formation of transconjugants was followed for 4 days after inoculation of the donor strain, and it was found that transconjugants only rarely became stably established in the biofilm.

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