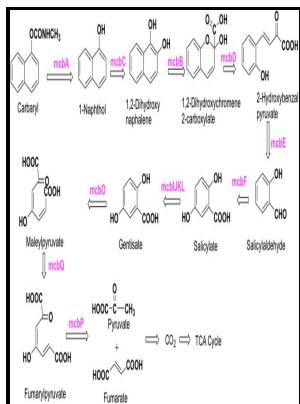


Genetic characterisation of the regulatory genes of TOL plasmid pWWO

University of Birmingham - 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 on JSTOR



Description: -

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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 *xylS* gene positive regulator of TOL plasmid pWWO: identification, sequence analysis and overproduction leading to constitutive expression of meta cleavage operon. C: Close up of a zone of transconjugants, where colonies merge.

Genetic analysis of a transposon carrying toluene degrading genes on a TOL plasmid pWWO

In: Molecular and General Genetics, 1987, vol.

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 on JSTOR

Catabolism of pseudocumene and 3-ethyltoluene by *Pseudomonas putida* arvilla mt-2: evidence for new functions of the TOL pWWO plasmid.

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E: Plate mating between SM1700 recipient cells and SM1836 donor cells showing a correlation between actively growing cells high intensity of green fluorescent and transfer of the TOL plasmid red fluorescent transconjugant cells. Proc Natl Acad Sci U S A.

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

Transcription of the TOL plasmid toluate catabolic pathway operon of *Pseudomonas putida* is determined by a pair of co-ordinately and positively regulated overlapping promoters.

Genetic adaptation of bacteria to chlorinated aromatic compounds

Triparental mating between a donor strain carrying the lacI q delivery plasmid pSM1435, the helper strain RK600 and the recipient strain P. Abstract A pKT231-based broad-host-range plasmid vector was constructed which enabled regulation of expression of cloned genes in a wide range of gram-negative bacteria.

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

Multichannel simulated fluorescence projection SFP, a shadow projection images and vertical cross-sections through the biofilm were generated by using the IMARIS software package Bitplane AG, Zürich, Switzerland running on a Silicon Graphics Indigo2 workstation Silicon Graphics, Mountain View, CA, USA.

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

Donor and recipient strains are grown separately in minimal medium, then mixed and plated directly on selective medium.

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