

CLONING OF THE BIOSYNTHETIC PATHWAY FOR
CHLORTETRACYCLINE AND TETRACYCLINE FORMATION FROM
STREPTOMYCES AUREOFACIENS AND ITS EXPRESSION
IN STREPTOMYCES LIVIDANS

ABSTRACT OF THE DISCLOSURE

The present invention relates to the cloning, isolation and DNA (isolated fragment from Streptomyces aureofaciens) which directs the synthesis of tetracycline and chlortetracycline, in a heterologous host such as Streptomyces lividans. The claimed plasmids are isolated by screening a cosmid library, constructed in Escherichia coli, for the expression of tetracycline resistance in S. lividans.

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