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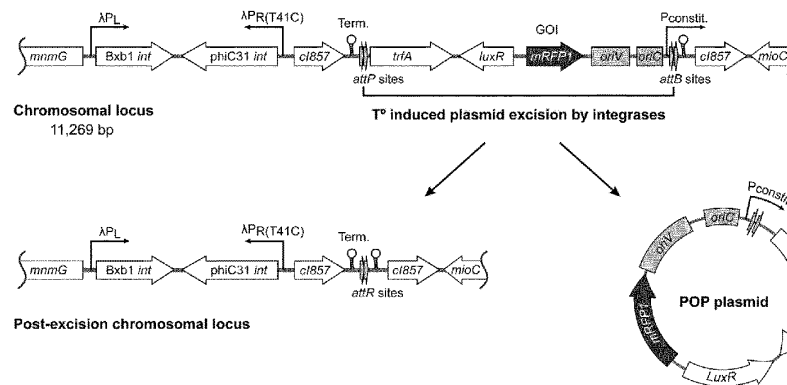
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(54) Title: METHOD OF BIOSYNTHESIS

Figure 3

A

POP1 design



(57) Abstract: The present invention relates generally to methods of producing products by cells and in particular to the field of industrial biotechnology or microbiology where living cells are used to produce useful chemicals and products, e.g. biological products such as proteins. The present invention relates to a method of producing a product by a cell, the method comprising: excising one or more nucleic acid sequences from a chromosome in the cell, wherein the one or more nucleic acid sequences comprises a gene of interest and an origin of replication; forming an extra-chromosomal DNA molecule, wherein the extra-chromosomal DNA molecule comprises the excised gene of interest and an excised origin of replication; and inducing expression of the gene of interest from the extra-chromosomal DNA molecule. The present invention also relates to cells, polynucleotide vectors, and uses thereof for producing products.

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