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(54) Title: MELIBIOSE OPERON EXPRESSION SYSTEM

(57) Abstract: The present invention relates to vectors expressible in a host comprising the promoter region of the melibiose operon operably linked to a transcriptional unit comprising a nucleic acid sequence which is heterologous to said host, whereas the expression of said nucleic acid sequence is controlled by said promoter region of the melibiose operon. Also disclosed are, the use of said new vector for the regulated heterologous expression of a nucleic acid sequence in a prokaryotic host, an isolated and purified nucleic acid sequence expressible in a host comprising the promoter region of the melibiose operon operably linked to a transcriptional unit comprising a nucleic acid sequence which is heterologous to said host, whereas the expression of said nucleic acid sequence is controlled by said promoter region of the melibiose operon, a prokaryotic host transformed with said vector or said isolated and purified nucleic acid sequence, and a method for producing a polypeptide in a host using said vector.

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