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The Pho regulons of bacteria

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Abstract

Bacterial Pho regulons contain genes whose products are involved in the transport and assimilation of inorganic phosphate. The expression of these genes is regulated by a specific two-component signal transduction system. The paper summarizes data on the organization and function of Pho regulons in gram-negative and gram-positive bacteria, with particular emphasis on the Pho regulons of the best studied bacteria *Escherichia coli* and *Bacillus subtilis*. © 2002 MAIK "Nauka/Interperiodica".

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Keywords

B. subtilis, *E. coli*, Phosphate regulation, Signal transduction