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Title:	Role of phosphate limitation and pyruvate decarboxylase in rewiring of the metabolic network for increasing flux towards isoprenoid pathway in a TATA binding protein mutant of <i>Saccharomyces cerevisiae</i>
Authors:	Bachhawat, A.K. (/jspui/browse?type=author&value=Bachhawat%2C+A.K.)
Keywords:	Isoprenoid pathway Metabolic flux distribution NADPH PDC6 Phosphate SPT15
Issue Date:	2018
Publisher:	BioMed Central Ltd.
Citation:	Microbial Cell Factories, 17(1).
Abstract:	Background: Production of isoprenoids, a large and diverse class of commercially important chemicals, can be achieved through engineering metabolism in microorganisms. Several attempts have been made to reroute metabolic flux towards isoprenoid pathway in yeast. Most approaches have focused on the core isoprenoid pathway as well as on meeting the increased precursors and cofactor requirements. To identify unexplored genetic targets that positively influence the isoprenoid pathway activity, a carotenoid based genetic screen was previously developed and three novel mutants of a global TATA binding protein SPT15 was isolated for heightened isoprenoid flux in <i>Saccharomyces cerevisiae</i> .
Description:	Only IISERM authors are available in the record.
URI:	<a href="https://pubmed.ncbi.nlm.nih.gov/30241525/">https://pubmed.ncbi.nlm.nih.gov/30241525/</a> ( <a href="https://pubmed.ncbi.nlm.nih.gov/30241525/">https://pubmed.ncbi.nlm.nih.gov/30241525/</a> ) <a href="http://hdl.handle.net/123456789/1842">http://hdl.handle.net/123456789/1842</a> ( <a href="http://hdl.handle.net/123456789/1842">http://hdl.handle.net/123456789/1842</a> )
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