Efficient production of lycopene in Saccharomyces cere crt genes from a plasmid harboring the ADH2 promoter

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Citation Report

#	Article	IF	Citations
2	Advanced Biotechnology: Metabolically Engineered Cells for the Bioâ€Based Production of Chemicals and Fuels, Materials, and Healthâ€Care Products. Angewandte Chemie - International Edition, 2015, 54, 3328-3350.	7.2	255
3	Construction of lycopene-overproducing Saccharomyces cerevisiae by combining directed evolution and metabolic engineering. Metabolic Engineering, 2015, 30, 69-78.	3.6	181
4	Engineering biological systems toward a sustainable bioeconomy. Journal of Industrial Microbiology and Biotechnology, 2015, 42, 813-838.	1.4	46
5	Putative carotenoid genes expressed under the regulation of Shineâ€“Dalgarno regions in Escherichia coli for efficient lycopene production. Biotechnology Letters, 2015, 37, 2303-2310.	1.1	21
6	Lycopene overproduction and in situ extraction in organic-aqueous culture systems using a metabolically engineered Escherichia coli. AMB Express, 2015, 5, 65.	1.4	17
7	Lycopene: Progress in microbial production. Trends in Food Science and Technology, 2016, 56, 142-148.	7.8	63
8	Rewiring carotenoid biosynthesis in plants using a viral vector. Scientific Reports, 2017, 7, 41645.	1.6	65
9	A Review on the Impacts of Process Variables on Microbial Production ofÂCarotenoid Pigments. , 2017, , 183-211.		3
10	Directed evolution of mevalonate kinase inEscherichia coliby random mutagenesis for improved lycopene. RSC Advances, 2018, 8, 15021-15028.	1.7	17
11	Analysis and expression of the carotenoid biosynthesis genes from Deinococcus wulumuqiensis R12 in engineered Escherichia coli. AMB Express, 2018, 8, 94.	1.4	19
12	Multicopy integrants of crt genes and co-expression of AMP deaminase improve lycopene production in Yarrowia lipolytica. Journal of Biotechnology, 2019, 289, 46-54.	1.9	42
13	A CRISPRâ€“Cas9 system for multiple genome editing and pathway assembly in Candida tropicalis. Biotechnology and Bioengineering, 2020, 117, 531-542.	1.7	25
14	Metabolic Engineering of Different Microbial Hosts for Lycopene Production. Journal of Agricultural and Food Chemistry, 2020, 68, 14104-14122.	2.4	24
15	Biotechnological production of lycopene by microorganisms. Applied Microbiology and Biotechnology, 2020, 104, 10307-10324.	1.7	30
16	Recent advances in the biosynthesis of isoprenoids in engineered Saccharomyces cerevisiae. Advances in Applied Microbiology, 2021, 114, 1-35.	1.3	11
17	Carotenoid Production in Oleaginous Yeasts. Advances in Experimental Medicine and Biology, 2021, 1261, 153-163.	0.8	9
18	Elevated Î²-Carotene Production Using Codon-Adapted CarRA&B and Metabolic Balance in Engineered Yarrowia lipolytica. Frontiers in Microbiology, 2021, 12, 627150.	1.5	15
19	Metabolic changes of Neurospora crassa in the presence of oleic acid for promoting lycopene production. Journal of Bioscience and Bioengineering, 2021, 132, 148-153.	1.1	4

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20	Pathway engineering of Saccharomyces cerevisiae for efficient lycopene production. Bioprocess and Biosystems Engineering, 2021, 44, 1033-1047.	1.7	5
22	Hierarchical dynamic regulation of Saccharomyces cerevisiaeÂfor enhanced lutein biosynthesis. Biotechnology and Bioengineering, 2023, 120, 536-552.	1.7	7
23	Natural promoters and promoter engineering strategies for metabolic regulation inSaccharomyces cerevisiae. Journal of Industrial Microbiology and Biotechnology, 2023, 50, .	1.4	7