# Resource Summary Report

Generated by kravitz2 on Aug 26, 2026

## pJBEI-6410

RRID:Addgene_47049
Type: Plasmid

### Proper Citation

RRID:Addgene_47049

### Plasmid Information

**URL:** http://www.addgene.org/47049

**Proper Citation:** RRID:Addgene_47049

**Insert Name:** Codon-optimized sequences for MEV pathway expression in E. coli to produce limonene

**Organism:** Saccharomyces cerevisiae

**Bacterial Resistance:** Ampicillin

**Defining Citation:** PMID:23727191

**Vector Backbone Description:** Backbone Size:3500; Vector Backbone:pBbA5a; Vector Types:Bacterial Expression, Synthetic Biology, BglBrick; Bacterial Resistance:Ampicillin

**Comments:** The R364S mutation in the MK is not known to alter the function. The plasmid functions as described in the associated publication.

**Plasmid Name:** pJBEI-6410

**Relevant Mutation:** R364S mutation in MK

**Record Creation Time:** 20220422T222242+0000

**Record Last Update:** 20260815T081537+0000

### Ratings and Alerts

No rating or validation information has been found for pJBEI-6410.

No alerts have been found for pJBEI-6410.

### Data and Source Information

**Source:** Addgene

## Usage and Citation Metrics

We found 2 mentions in open access literature.

**Listed below are recent publications.** The full list is available at kravitz2 .

Rolf J, et al. (2020) A Gram-Scale Limonene Production Process with Engineered Escherichia coli. Molecules (Basel, Switzerland), 25(8).

Chac??n MG, et al. (2019) Esterification of geraniol as a strategy for increasing product titre and specificity in engineered Escherichia coli. Microbial cell factories, 18(1), 105.