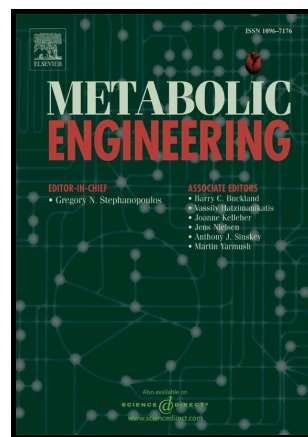


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## Engineering *Corynebacterium glutamicum* for methanol-dependent growth and glutamate production

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### Abstract

Methanol is a promising feedstock for bioproduction of fuels and chemicals, thus massive efforts have been devoted to engineering non-native methylotrophic platform microorganisms to utilize methanol. Herein, we rationally designed and experimentally engineered the industrial workhorse *Corynebacterium glutamicum* to serve as a methanol-dependent synthetic methylotroph. The cell growth of the methanol-dependent

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<sup>1</sup> These authors contributed equally to this work.

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