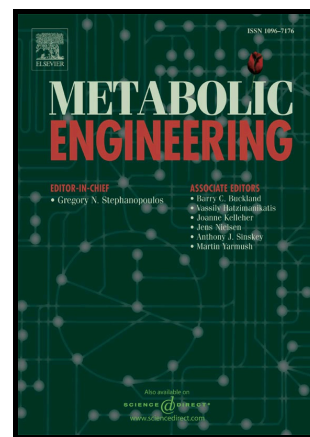


# Author's Accepted Manuscript

Folic Acid Production by Engineered *Ashbya gossypii*

Cristina Serrano-Amatriain, Rodrigo Ledesma-Amaro, Rubén López-Nicolás, Gaspar Ros, Alberto Jiménez, José Luis Revuelta



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**Folic Acid Production by Engineered *Ashbya gossypii***

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Highlights:

- *Ashbya gossypii* was metabolically engineered to produce folic acid
- GTP cyclohydrolase I is the limiting step in folate bioproduction
- Overproducer strains show a mixture of bioactive vitamin B<sub>9</sub> forms
- The highest folic acid yield ever reported achieved by microbial fermentation

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