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Microorganisms For Producing Organic Acids

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Inventors: Brian Pfleger, Matthew Begemann

The Invention

Organic acid-producing microorganisms and methods of using same. The organic acid-producing microorganisms comprise modifications that reduce or ablate AcsA activity or AcsA homolog activity. The modifications increase tolerance of the microorganisms to such organic acids as 3-hydroxypropionic acid, acrylic acid, propionic acid, lactic acid, and others. Further modifications to the microorganisms increase production of such organic acids as 3-hydroxypropionic acid, lactate, and others. Methods of producing such organic acids as 3-hydroxypropionic acid, lactate, and others with the modified microorganisms are provided. Methods of using acsA or homologs thereof as counter-selectable markers are also provided.

Additional Information

For More Information About the Inventors

- [Brian Pfleger](#)

Tech Fields

- [Materials & Chemicals : Biochemicals & biomaterials](#)

For current licensing status, please contact Jennifer Gottwald at jennifer@warf.org or 608-960-9854

