Clean Technology

RECOMBINANT MICROORGANISMS THAT CATABOLIZE ACETOVANILLONE AND METHODS OF USING SAME

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The Invention

The present invention expands the substrate scope for Novo by enabling the use of the lignin-derived aromatic acetovanillone. The existing oxidative and reductive methods for lignin deconstruction result in 20% and 10% acetovanillone in their products, respectively. This discovery could lead to the creation of industrially relevant mutants that could utilize a greater portion of the lignin-derived aromatics, thereby reducing waste/increasing the value proposition of such processes. This is particularly important in facilitating adoption.

Additional Information

For More Information About the Inventors

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Tech Fields

- Clean Technology : Biobased & renewable chemicals & fuels

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