



Yeast Strains With Selected Or Altered Mitotypes And Methods Of Making And Using The Same

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The Invention

Herein we demonstrate that the mitochondrial genome influences temperature tolerance in *Saccharomyces* yeasts. The present invention provides methods for manipulating the mitotype of yeast, including methods to produce synthetic yeast hybrids with a selected mitotype and methods to exchange the native mitochondrial DNA (mtDNA) present in polyploid yeast with mtDNA from a desired source. *Saccharomyces cerevisiae* x *Saccharomyces eubayanus* hybrids with selected mitotypes are also provided. The yeast and methods of the present invention may be utilized in a variety of applications, including in fermentation to produce beer and wine.

Additional Information

For More Information About the Inventors

- [Christopher Hittinger](#)

Tech Fields

- [Animals, Agriculture & Food : Food ingredients & additives](#)
- [Animals, Agriculture & Food : Food processing](#)

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