## Accepted Manuscript

Mechanisms of action of the yeast *Debaryomyces nepalensis* for control of the pathogen *Colletotrichum gloeosporioides* in mango fruit

Yi Zhou, Wen Li, Jiaoke Zeng, Yuanzhi Shao

PII:	S1049-9644(18)30155-5
DOI:	https://doi.org/10.1016/j.biocontrol.2018.05.014
Reference:	YBCON 3777
To appear in:	Biological Control
Received Date:	12 March 2018
Revised Date:	12 May 2018
Accepted Date:	17 May 2018



Please cite this article as: Zhou, Y., Li, W., Zeng, J., Shao, Y., Mechanisms of action of the yeast *Debaryomyces nepalensis* for control of the pathogen *Colletotrichum gloeosporioides*in mango fruit, *Biological Control* (2018), doi: https://doi.org/10.1016/j.biocontrol.2018.05.014

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## **ACCEPTED MANUSCRIPT**

Mechanisms of action of the yeast *Debaryomyces nepalensis* for control of the pathogen *Colletotrichum gloeosporioides* in mango fruit

Yi Zhou<sup>a</sup>, Wen Li<sup>b</sup>, Jiaoke Zeng<sup>b</sup>, Yuanzhi Shao<sup>a,\*1</sup>

<sup>a</sup> College of Food Science, Hainan University, Haikou 570228, China

<sup>b</sup> College of Tropical Agriculture and Forest, Hainan University, Haikou 570228,

China

## HIGHLIGHTS

- Mechanisms of action of the yeast antagonist *Debaryomyces nepalensis* were examined against anthracnose *Colletotrichum gloeosporioides* in mangoes for the first time.
- The combination of multiple mechanisms of yeast ensures a good biocontrol efficacy.
- The volatile organic compounds produced by *Debaryomyces nepalensis* in the yeast extractpeptone-dextrose agar medium were identified by solid phase microextraction (SPME).

\* Corresponding author.

E-mail address: s.yz123789@163.com (Y. Shao)

Yi Zhou, Wen Li and Yuanzhi Shao contributed equally to this study.

Download English Version:

## https://daneshyari.com/en/article/8877600

Download Persian Version:

https://daneshyari.com/article/8877600

Daneshyari.com