### Accepted Manuscript

Antioxidant and anti-inflammation of enzymatic-hydrolysis residue polysaccharides by Lentinula edodes

Zhenzhen Ren, Wenbo Liu, Xinling Song, Yanran Qi, Chen Zhang, Zheng Gao, Jianjun Zhang, Le Jia

PII: S0141-8130(18)30357-X

DOI: doi:10.1016/j.ijbiomac.2018.08.114

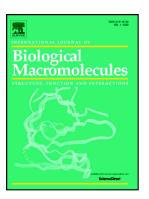
Reference: BIOMAC 10358

To appear in: International Journal of Biological Macromolecules

Received date: 20 January 2018 Revised date: 22 August 2018 Accepted date: 22 August 2018

Please cite this article as: Zhenzhen Ren, Wenbo Liu, Xinling Song, Yanran Qi, Chen Zhang, Zheng Gao, Jianjun Zhang, Le Jia, Antioxidant and anti-inflammation of enzymatic-hydrolysis residue polysaccharides by Lentinula edodes. Biomac (2018), doi:10.1016/j.ijbiomac.2018.08.114

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.



## Antioxidant and anti-inflammation of enzymatic-hydrolysis residue polysaccharides by Lentinula edodes

Zhenzhen Ren #,1, Wenbo Liu #,1, Xinling Song #,1, Yanran Qi #,2, Chen Zhang 1, Zheng Gao 1, Jianjun Zhang <sup>1</sup>, Le Jia <sup>1,\*</sup>

**Abbreviation:** Alamine aminotransferase: ALT; Alkaline phosphatase: ALP; Aspertate aminotransferase: AST; L-arabinose: L-Ara; Blood urea nitrogen: BUN; Catalase: CAT; Creatine kinase isoenzyme: CKMB; Creatinine: CRE; D-galactose: D-Gal; D-glucose: D-Glu; Enzymolysis Residue polysaccharides: ERPS; Gas peroxide: chromatographyspectrometry: mass GC-MS; GSH GSH-Px; Interleukin-1β: IL-1β; Interleukin-6: IL-6; Lactic dehydrogenase: LDH; lipid peroxidation: LPO; Lipopolysaccharide: LPS; D-mannose: D-Man; malondialdehyde: MDA; Model control group: MC; Multiple organ dysfunction: MOD; Normal control group: NC; Positive control: PC; L-rhamnose: L-Rha; Reactive oxygen species: ROS; Residue polysaccharides: RPS; Superoxide dismutase: SOD; Total antioxidant capacity: T-AOC; Tumor necrosis factor-alpha: TNF-α; Uric acid: UA.

<sup>&</sup>lt;sup>1</sup> College of Life Science, Shandong Agricultural University, Taian, 271018, PR China

<sup>&</sup>lt;sup>2</sup> State Key Laboratory of Food Science and Technology, Jiangnan University, Wuxi 214122, PR China

Corresponding author. E-mail address: jia\_le@126.com (L. Jia).

#### Download English Version:

# https://daneshyari.com/en/article/10129209

Download Persian Version:

https://daneshyari.com/article/10129209

<u>Daneshyari.com</u>