Accepted Manuscript

Identification of activation of tryptophan-NAD+ pathway as a prominent metabolic response to thermally oxidized oil through metabolomics-guided biochemical analysis

The JUNB

The JUNIA of Nutritional Biochemistry

Lei Wang, Dan Yao, Pedro E. Urriola, Andrea R. Hanson, Milena Saqui-Salces, Brian J. Kerr, Gerald C. Shurson, Chi Chen

PII: S0955-2863(17)31010-0

DOI: doi:10.1016/j.jnutbio.2018.04.009

Reference: JNB 7974

To appear in:

Received date: 18 November 2017

Revised date: 13 April 2018 Accepted date: 17 April 2018

Please cite this article as: Lei Wang, Dan Yao, Pedro E. Urriola, Andrea R. Hanson, Milena Saqui-Salces, Brian J. Kerr, Gerald C. Shurson, Chi Chen, Identification of activation of tryptophan-NAD+ pathway as a prominent metabolic response to thermally oxidized oil through metabolomics-guided biochemical analysis. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Jnb(2018), doi:10.1016/j.jnutbio.2018.04.009

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

Identification of activation of tryptophan-NAD⁺ pathway as a prominent metabolic response to thermally oxidized oil through metabolomics-guided biochemical analysis

Lei Wang^a, Dan Yao^a, Pedro E. Urriola^b, Andrea R. Hanson^b, Milena Saqui-Salces^b, Brian J. Kerr^c, Gerald C. Shurson^b, Chi Chen^{a,b},*

^aDepartment of Food Science and Nutrition, University of Minnesota, St. Paul, MN 55108, USA.

^bDepartment of Animal Science, University of Minnesota, St. Paul, MN 55108, USA.

^cUSDA-ARS-National Laboratory for Agriculture and the Environment, USDA, Ames, IA 50011, USA.

*To whom correspondence should be addressed:

Chi Chen, Department of Food Science and Nutrition, University of Minnesota, 1334 Eckles Avenue, 225 FScN, St. Paul, MN 55108, USA. Tel.: 612-624-7704; Fax: 612-625-5272; Email: chichen@umn.edu.

Running title: Metabolic effects of frying oil

Grants support: This research was partially supported by the Agricultural Experiment Station project MIN-18-092 (C.C.) from the United States Department of Agriculture (USDA).

Download English Version:

https://daneshyari.com/en/article/8336341

Download Persian Version:

https://daneshyari.com/article/8336341

<u>Daneshyari.com</u>