## Accepted Manuscript

Title: Systematic Biomarker discovery and coordinative validation for different primary nephrotic syndromes using gas chromatography–mass spectrometry

Author: Jung-Eun Lee Yu Ho Lee Se-Yun Kim Yang Gyun Kim Ju-Young Moon Kyung-Hwan Jeong Tae Won Lee Chun-Gyoo Ihm Sooah Kim Kyoung Heon Kim Dong Ki Kim Yon Su Kim Chan-Duck Kim Cheol Whee Park Do Yup Lee Sang-Ho Lee



PII: S0021-9673(16)30649-5

DOI: http://dx.doi.org/doi:10.1016/j.chroma.2016.05.058

Reference: CHROMA 357585

To appear in: Journal of Chromatography A

Received date: 29-2-2016 Revised date: 4-5-2016 Accepted date: 15-5-2016

Please cite this article as: Jung-Eun Lee, Yu Ho Lee, Se-Yun Kim, Yang Gyun Kim, Ju-Young Moon, Kyung-Hwan Jeong, Tae Won Lee, Chun-Gyoo Ihm, Sooah Kim, Kyoung Heon Kim, Dong Ki Kim, Yon Su Kim, Chan-Duck Kim, Cheol Whee Park, Do Yup Lee, Sang-Ho Lee, Systematic Biomarker discovery and coordinative validation for different primary nephrotic syndromes using gas chromatography—mass spectrometry, Journal of Chromatography A http://dx.doi.org/10.1016/j.chroma.2016.05.058

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

Systematic Biomarker discovery and coordinative validation for different primary nephrotic syndromes using gas chromatography - mass spectrometry

Jung-Eun Lee<sup>1,2</sup>, Yu Ho Lee<sup>2</sup>, Se-Yun Kim<sup>2</sup>, Yang Gyun Kim<sup>2</sup>, Ju-Young Moon<sup>2</sup>, Kyung-Hwan Jeong<sup>2</sup>, Tae Won Lee<sup>2</sup>, Chun-Gyoo Ihm<sup>2</sup>, Sooah Kim<sup>3</sup>, Kyoung Heon Kim<sup>3</sup>, Dong Ki Kim<sup>4</sup>, Yon Su Kim<sup>4</sup>, Chan-Duck Kim<sup>5</sup>, Cheol Whee Park<sup>6</sup> and Do Yup Lee<sup>1†</sup>, Sang-Ho Lee<sup>2†</sup>

<sup>1</sup> The Dept. of Bio and Fermentation Convergence Technology, Kookmin University, Seoul, Korea; <sup>2</sup> Division of Nephrology, Department of Internal Medicine, College of medicine, Kyung Hee University, Seoul, Korea; <sup>3</sup> The Dept. of Biotechnology, Graduate School, Korea University, Seoul, Korea; <sup>4</sup> Division of Nephrology, Department of Internal Medicine, Seoul National University College of Medicine, Seoul, Korea; <sup>5</sup> Division of Nephrology, Department of Internal Medicine, Kyungpook National University Hospital, Daegu, Korea; <sup>6</sup> Division of Nephrology, Department of Internal Medicine, College of Medicine, The St. Mary's Hospital of Catholic University of Korea, Seoul, Korea

Running title: Altered urine metabolomics in nephrotic syndromes

Jung-Eun Lee and Yu Ho Lee are equally contributed as first author.

<sup>†</sup>Corresponding Authors: Sang-Ho Lee, M.D., Ph.D.

Division of nephrology, Kyung Hee University Hospital at Gangdong 892 Dongnam-ro, Gandong-gu, Seoul, 134-727, Korea (Tel) +82-2-440-6121; (Fax) +82-2-440-8049 (E-mail) lshkidney@khu.ac.kr

### Do Yup Lee, Ph.D.

Department of Bio and Fermentation Convergence Technology, 145 Anam-ro, Seongbuk-gu, Seoul, 136-701, Korea (Tel) +82-2-910-5733; (Fax) +82-2-910-5733 (E-mail) rome73@kookmin.ac.kr

#### Download English Version:

# https://daneshyari.com/en/article/7610007

Download Persian Version:

https://daneshyari.com/article/7610007

<u>Daneshyari.com</u>