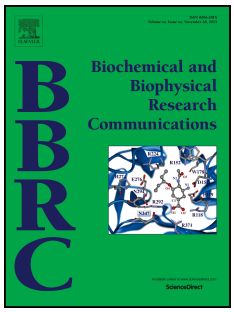
Accepted Manuscript



D-Allulose, a stereoisomer of D-fructose, extends *Caenorhabditis elegans* lifespan through a dietary restriction mechanism: A new candidate dietary restriction mimetic

Tomoya Shintani, Hirofumi Sakoguchi, Akihide Yoshihara, Ken Izumori, Masashi Sato

PII: S0006-291X(17)31928-9

DOI: 10.1016/j.bbrc.2017.09.147

Reference: YBBRC 38592

To appear in: *Biochemical and Biophysical Research Communications*

Received Date: 15 September 2017

Accepted Date: 26 September 2017

Please cite this article as: T. Shintani, H. Sakoguchi, A. Yoshihara, K. Izumori, M. Sato, D-Allulose, a stereoisomer of D-fructose, extends *Caenorhabditis elegans* lifespan through a dietary restriction mechanism: A new candidate dietary restriction mimetic, *Biochemical and Biophysical Research Communications* (2017), doi: 10.1016/j.bbrc.2017.09.147.

Biochemical and Biophysical Research Communications

D-Allulose, a stereoisomer of D-fructose, extends *Caenorhabditis elegans* lifespan through a dietary restriction mechanism: A new candidate dietary restriction mimetic

Tomoya Shintani [a], Hirofumi Sakoguchi [b], Akihide Yoshihara [c], Ken Izumori [c], Masashi Sato [b,*]

[a] *Research & Development, Matsutani Chemical Industry Co Ltd, Itami, Hyogo 664-8508, Japan*

[b] *Department of Applied Biological Science, Faculty of Agriculture, Kagawa University, Miki, Kagawa 761-0795, Japan*

[c] *International Institute for Rare Sugar Research and Education, Kagawa University, Miki, Kagawa 761-0795, Japan*

Abbreviations: AMP, Adenosine 5'-monophosphate; NAD, nicotinamide adenine dinucleotide

*Corresponding author.

E-mail address: sato@ag.kagawa-u.ac.jp