## Accepted Manuscript

Production of a breed of red sea bream Pagrus major with an increase of skeletal muscle muss and reduced body length by genome editing with CRISPR/Cas9

Kenta Kishimoto, Youhei Washio, Yasutoshi Yoshiura, Atsushi Toyoda, Tomohiro Ueno, Hidenao Fukuyama, Keitaro Kato, Masato Kinoshita

PII: S0044-8486(17)32470-5

DOI: doi:10.1016/j.aquaculture.2018.05.055

Reference: AQUA 633284

To appear in: aquaculture

Received date: 12 December 2017

Revised date: 29 May 2018 Accepted date: 31 May 2018

Please cite this article as: Kenta Kishimoto, Youhei Washio, Yasutoshi Yoshiura, Atsushi Toyoda, Tomohiro Ueno, Hidenao Fukuyama, Keitaro Kato, Masato Kinoshita, Production of a breed of red sea bream Pagrus major with an increase of skeletal muscle muss and reduced body length by genome editing with CRISPR/Cas9. Aqua (2017), doi:10.1016/j.aquaculture.2018.05.055

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**

Production of a breed of red sea bream *Pagrus major* with an increase of skeletal muscle muss and reduced body length by genome editing with CRISPR/Cas9

Kenta Kishimoto<sup>1</sup>, Youhei Washio<sup>2</sup>, Yasutoshi Yoshiura<sup>3</sup>, Atsushi Toyoda<sup>4</sup>, Tomohiro Ueno<sup>5</sup>, Hidenao Fukuyama<sup>6</sup>, Keitaro Kato<sup>2</sup>, Masato Kinoshita<sup>1,\*</sup>

<sup>1</sup>Division of Applied Bioscience, Graduate School of Agriculture, Kyoto University,

Kitashirakawa-Oiwake, Sakyo-ku, Kyoto, 606-8502, Japan.

<sup>2</sup>Aquaculture Research Institute, Kindai University, Shirahama 3153, Nishimuro, Wakayama 649-2211, Japan.

<sup>3</sup>Yashima station, Stock Enhancement and Management Department, National Research Institute of

Fisheries and Enhancement of Inland Sea, Japan Fisheries Research and Education Agency, 243

Yashima-higashi, Takamatsu, Kagawa, 761-0111, Japan.

<sup>4</sup>Comparative Genomics Laboratory, Center for Information Biology, National Institute of Genetics,

Yata 1111, Mishima Shizuoka, 411-8540, Japan.

<sup>5</sup>Human Health Sciences, Graduate School of Medicine, Kyoto University, 53 Shogoin-Kawahara,

Sakyo-ku, Kyoto, 606-8507, Japan.

<sup>6</sup>Research and Educational Unit of Leaders for Integrated Medical System, Konoe Yoshida,

Sakyo-ku, Kyoto 606-8501, Japan.

\*Corresponding authors: Tel, +81 75-753-6445; e-mail, kinoshit@kais.kyoto-u.ac.jp

## Download English Version:

## https://daneshyari.com/en/article/8493111

Download Persian Version:

https://daneshyari.com/article/8493111

<u>Daneshyari.com</u>