## **Accepted Manuscript**

Pituitary NR4A1 is negatively regulated by thyroid hormone without direct binding of thyroid hormone receptors on the gene

Takashi Okamura, Yasuyo Nakajima, Nobuyuku Shibusawa, Kazuhiko Horiguchi, Shunichi Matsumoto, Eijiro Yamada, Takuya Tomaru, Sumiyasu Isii, Atsushi Ozawa, Takahiro Ishizuka, Koshi Hashimoto, Shuichi Okada, Tetsurou Satoh, Masanobu Yamada

PII: \$0303-7207(17)30429-X

DOI: 10.1016/j.mce.2017.08.007

Reference: MCE 10044

To appear in: Molecular and Cellular Endocrinology

Received Date: 14 November 2016

Revised Date: 10 August 2017 Accepted Date: 14 August 2017

Please cite this article as: Okamura, T., Nakajima, Y., Shibusawa, N., Horiguchi, K., Matsumoto, S., Yamada, E., Tomaru, T., Isii, S., Ozawa, A., Ishizuka, T., Hashimoto, K., Okada, S., Satoh, T., Yamada, M., Pituitary NR4A1 is negatively regulated by thyroid hormone without direct binding of thyroid hormone receptors on the gene, *Molecular and Cellular Endocrinology* (2017), doi: 10.1016/j.mce.2017.08.007.

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

1	
$^2$	
3	
4	Pituitary NR4A1 is negatively regulated by thyroid hormone
5	without direct binding of thyroid hormone receptors on the gene.
6	
7	
8	
9	Takashi Okamura*, Yasuyo Nakajima*, Nobuyuku Shibusawa, Kazuhiko Horiguchi,
10	Shunichi Matsumoto, Eijiro Yamada, Takuya Tomaru, Sumiyasu Isii, Atsushi Ozawa,
11	Takahiro Ishizuka, Koshi Hashimoto, Shuichi Okada, Tetsurou Satoh, and Masanobu Yamada
12	
13	Department of Medicine and Molecular Science, Gunma University Graduate School of
14	Medicine, Maebashi 371-8511, Japan
15	
16	
17	*These two authors contributed equally to this work.
18	
19	Abbreviated Title: Down-regulation of NR4A1 by thyroid hormone
20	Key terms: NR4A1, thyroid hormone, thyroid hormone receptor, pituitary, NCoR
21	TW. I CAAC
22	Word count: 6,446
23	Number of figures: 9
24	
25	
$\frac{26}{27}$	
28	Corresponding author and person to whom reprint requests should be addressed:
29	Masanobu Yamada, M.D., Ph.D.
30	Department of Medicine and Molecular Science
31	Gunma University Graduate School of Medicine
32	3-39-15 Showa-machi, Maebashi
33	Gunma 371-8511, Japan
34	Phone: +81-27-220-8120
35	Fax: +81-27-220-8136
36	E-mail: myamada@gunma-u.ac.jp
37	
38	
39	Disclosure Statement: All authors have nothing to disclose.
40	
41	
42	
43	Precis (25 words): Thyroid hormone negatively regulated NR4A1 expression without the direct
44	binding of TR on the gene.
45	
46	

## Download English Version:

## https://daneshyari.com/en/article/8476566

Download Persian Version:

https://daneshyari.com/article/8476566

<u>Daneshyari.com</u>