

Accepted Manuscript

ORIGINAL RESEARCH

Paralog-divergent Features May Help Reduce Off-target Effects of Drugs: Hints from Glucagon Subfamily Analysis

Zhining Sa, Jingqi Zhou, Yangyun Zou, Zhixi Su, Xun Gu

PII: S1672-0229(17)30084-0

DOI: <http://dx.doi.org/10.1016/j.gpb.2017.03.004>

Reference: GPB 259

To appear in: *Genomics, Proteomics & Bioinformatics*

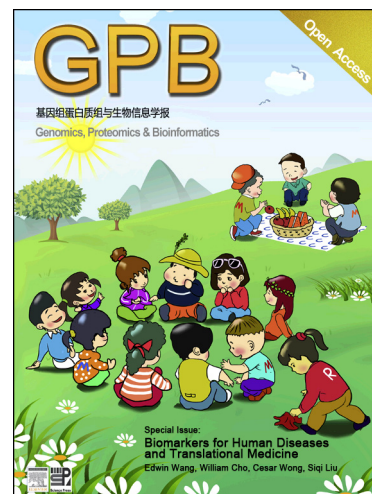
Received Date: 4 January 2017

Revised Date: 27 February 2017

Accepted Date: 8 March 2017

Please cite this article as: Z. Sa, J. Zhou, Y. Zou, Z. Su, X. Gu, Paralog-divergent Features May Help Reduce Off-target Effects of Drugs: Hints from Glucagon Subfamily Analysis, *Genomics, Proteomics & Bioinformatics* (2017), doi: <http://dx.doi.org/10.1016/j.gpb.2017.03.004>

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.



1 **Paralog-divergent Features May Help Reduce Off-target Effects**
2 **of Drugs: Hints from Glucagon Subfamily Analysis**

3

4 Zhining Sa^{1,#,a}, Jingqi Zhou^{1,#,b}, Yangyun Zou^{1,*,c}, Zhixi Su^{1,*,d}, Xun Gu^{1,2,*,e}

5

6 ¹*State Key Laboratory of Genetic Engineering and MOE Key Laboratory of*
7 *Contemporary Anthropology, School of Life Sciences, Fudan University, Shanghai*
8 *200433, China*

9 ²*Department of Genetics, Development and Cell Biology, Program of Bioinformatics*
10 *and Computational Biology, Iowa State University, Ames, IA 50011, USA*

11

12 # Equal contribution.

13 * Corresponding authors.

14 E-mail: xgu@iastate.edu (Gu X), yyzou@fudan.edu.cn (Zou Y), zxsu@fudan.edu.cn
15 (Su Z).

16 ^aORCID: 0000-0002-0583-3488.

17 ^bORCID: 0000-0002-9961-199X.

18 ^cORCID: 0000-0003-2710-4478.

19 ^dORCID: 0000-0002-4881-1238.

20 ^eORCID: 0000-0001-9845-6986.

21

22 Running title: *Sa Z et al / Diverged Features in Glucagon Subfamily*

23

24 Word count: 6318.

25 No. of figures: 3.

26 No. of supplementary figures: 3.

27 No. of supplementary tables: 5.

Download English Version:

<https://daneshyari.com/en/article/5590297>

Download Persian Version:

<https://daneshyari.com/article/5590297>

[Daneshyari.com](https://daneshyari.com)