OPEN PEER REVIEW

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As a new feature for progressing towards transparency, we decided to open a new window for all of our editors as well as authors titled "**Open Peer Review**". We hope by this new facility, our reviewers will be more motivated and authors will be more satisfied with the review process. We believe that publishing our peer review reports could make a transparent and clear environment for all our efforts within a journal, but not all reviewers tend to publish their comments.

What is "Open Peer Review" process?

An "Open Peer Review" process is making the details of all review process (including reviewers, associate editors, and EICs comments) as "Public" as it is agreed by EIC, Authors, and reviewers.

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- More transparency, constructiveness and tactful comments of the peer review process: leads to an increase in the quality of reviews
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- Authors' satisfactions from the review process: Increases honesty between authors and reviewers
- Education of both authors and new students
- Prevents reviewers from following their individual agendas and leading to the detection of reviewers' conflicts of interests

You can find out more at:
https://sites.kowsarpub.com/kowsar/knowledgebase/category/tree.html#opr.html

Gene, Cell and Tissue
Article DOI: 10.5812/gct.86579
Published in: Gene, Cell and Tissue: 6(2); e86579

Peer Review Report for "Effects of rs929271 SNP in Leukemia Inhibitory Factor Gene on Recurrent Pregnancy Loss, Placental Location and Fetal Gender"

Author(s): Mohammad Javad Heydarzadeh, Yousef Mehmannavaz

Review Timeline:

Submit Date: 20 Nov 2018
Revised Date: 4 Mar 2019
Accepted Date: 7 Mar 2019

Revision (0)

Here, you can see the **Reviewers**, **Associate Editors** and **EICs'** comments from the beginning to the end of the revision process.

REFEREE: Reviewer | Revision (0) — 18 Dec 2018

Dear AE,
The manuscript is well written. Please consider the following items:
1. Please check and correct the SNP number in line7 (abstract), line 89 (objective), line393 (tile of table6)
2. It's better to write the total number of each group in the tables (the total numbers are not consistent with the manuscript ≠150)
3. Please insert the % frequency of the alleles (case group) in table 5.
4. Please check and correct the subscript of table 2; ac shows significant differences between two groups (not insignificant…). It's better to write the p-values in the table because in the manuscript the author has referred to the p-value.
5. a and ab are insignificant P-values in Table 7, so please check and correct the subscript of table 7 and related data in the abstract and results.
Thanks.

REFEREE: Reviewer | Revision (0) — 23 Dec 2018

Dear AE,

The manuscript entitled "Effects of rs929271 SNP in leukemia inhibitory factor Gene on Recurrent Pregnancy Loss, Placental Location and Fetal Gender" has been reviewed. The idea and the results were interesting and the manuscript was well-written, however there are some points to be considered:

1. Add new and updated reference in the article.
2. Describe statistical methods in detail, with emphasis on the statistical strategy used to analyze the data.
3. Explain more about specificity and sensitivity of TaqMan genotyping assay.
4. Expand or condense the space evenly between all the words.
5. Bring Acronyms of American society of reproductive medicine.
6. What are the selection criteria for number of samples for sequencing?

Thanks.

REFEREE: Reviewer | **Revision** (0) 22 Feb 2019

Dear AE,

Comments for the authors:

- Plagiarism detection in the manuscript
- Analysis method of the manuscript.
- Results -Correct referencing and citations Correct and proper English writing were suitable and didn't find any wrong or problem.

Thanks.

REFEREE: Associate Editor | **Revision** (0) 24 Feb 2019

Dear EIC,

The manuscript needs minor revisions and can be published after incorporating the revisions.

Thanks.

REFEREE: EIC | **Revision** (0) 25 Feb 2019

Dear Author,

Based on the reviewers and AE comments this manuscript needs minor revisions.

Thanks.

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Revision (1)

Reply to Reviewers

Ideally, the reviewing process can significantly improve the submitted manuscripts by allowing the authors to take into account the advice of reviewers. Author(s) must reply to all reviewers' comments in a separate Word file, point by point. A "**Reply to Reviewers**" document is submitted along with revised manuscript during submission of revised files, summarizing the changes that the authors made in response to the reviewers' comments. The responses to reviewers' comments specifies how the authors addressed each comment the reviewers made.

You can read the authors' responses to the reviewers' comments in the next page.

Dear Prof. Zahra Heidari

Editor-in-Chief Gene, Cell and Tissue

Thanks a lot for your editorial board and reviewers' efforts. I checked the reviewers' comments and revised my manuscript titled "Effects of rs929271 SNP in leukemia inhibitory factor Gene on Recurrent Pregnancy Loss, Placental Location and Fetal Gender" (ID: 86579). Our responses to reviewers' comments Described below:

Reviewer 1:

The manuscript is well written. Please consider the following items:

1. Please check and correct the SNP number in line7 (abstract), line 89 (objective), line393 (tile of table6)

Checked and corrected.

2. It's better to write the total number of each group in the tables (the total numbers are not consistent with the manuscript ٬150)

*The total number of each group was added in all tables and highlighted in the manuscript. It should be noted that we had more than 2 fetal per woman (*because of several consecutive pregnancies of any woman). *However, we were not able to detect gender and/or placental location of all fetus. Thus, total numbers in studied groups are not consistent with number of women).*

3. Please insert the % frequency of the alleles (case group) in table 5.

Checked and corrected.

4. Please check and correct the subscript of table 2; ac shows significant different between two groups (not insignificant...). It's better to write the p-values in the table, because in the manuscript the author has referred to the p-value.

Checked and corrected.

5. a and ab are insignificant P-values in Table 7, so please check and correct the subscript of table 7 and related data in the abstract and results.

Checked and corrected.

Reviewer 2:

The manuscript entitled "Effects of rs929271 SNP in leukemia inhibitory factor Gene on Recurrent Pregnancy Loss, Placental Location and Fetal Gender" has been reviewed. The idea and the results were interesting and the manuscript was well-written, however there are some points to be considered:

1. Add new and updated reference in the article.

Unfortunately, we can't find new references. The subject of this study is novel and there is few references in this subject.

2. Describe statistical methods in detail, with emphasis on the statistical strategy used to analyze the data.

Statistical Analysis method was added and highlighted in the manuscript.

3. Explain more about specificity and sensitivity of taqman genotyping assay.

Taqman genotyping assay is precious and accurate method. We have not compared this method with other traditional genotyping methods such as RFLP, SSCP, etc and we are not able to estimate specificity and sensitivity. But, comparing of our genotyping with sequenced samples confirmed the validity of this method.

4. Expand or condense the space evenly between all the words.

Checked and corrected.

5. Bring Acronyms of American society of reproductive medicine.

Corrected.

6. What are the selection criteria for number of samples for sequencing?

5 samples of each group (control and patient) sequenced. We select samples that had little doubt in their genotype results for sequencing.

Reviewer 3:

Plagiarism detection in the manuscript -Analysis method of the manuscript

Results -Correct referencing and citations Correct and proper English writing were suitable and didn't find any wrong or problem

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Revision (1)

Here, you can see the **Reviewers**, **Associate Editors** and **EICs'** comments from the beginning to the end of the revision process.

REFEREE: Reviewer | **Revision** (1) 6 Mar 2019

Dear AE,
I read manuscript titled “Effects of rs929271 SNP in leukemia inhibitory factor Gene on Recurrent Pregnancy Loss, Placental Location and Fetal
Gender” (ID: 86579), is well written and developed. The authors considered initial reviewers comments as much as possible. The manuscript is ready for publication now.
Thanks.

REFEREE: Associate Editor | **Revision** (1) 7 Mar 2019

Dear EIC,
Based on the reviewer reply and as I checked the authors revised the manuscript well. Thus it can be accepted for publication in GCT.
Thanks.

REFEREE: EIC | **Revision** (1) 7 Mar 2019

Dear Author,
Based on the reviewer and AE comments the authors revised the manuscript well. Thus it can be accepted for publication in GCT.
Thanks.