OPEN PEER REVIEW

Open Peer Review (OPR)

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.

Advantages of "Open Peer Review" process

- More transparency, constructiveness and tactful comments of the peer review process: leads to an increase in the quality of reviews
- More motivations for all involved roles in the review process
- 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

Jundishapur Journal of Microbiology
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Peer Review Report for "Inactivation of UmuC Protein Significantly Reduces Resistance to Ciprofloxacin and SOS Mutagenesis in *Escherichia coli* Mutants Harboring Intact *umuD* Gene"

Author(s): Razieh Pourahmad Jaktaji, Sayedeh Marzieh Nourbakhsh Rezaei

Review Timeline:

Submit Date: 2 Dec 2020
Revised Date: 21 Mar 2021
Accepted Date: 23 Mar 2021

Revision (0)

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

Farhad Safarpoor Dehkordi: Associate Editor | **Revision** (0) 2 Feb 2021

Dear EIC,
Manuscript title: Inactivation of UmuC protein significantly reduces resistance to ciprofloxacin and SOS mutagenesis in Escherichia coli mutants harboring intact umuD gene - Well, this is an original research paper about the Inactivation of UmuC protein significantly reduces resistance to ciprofloxacin and SOS mutagenesis in Escherichia coli mutants harboring intact umuD gene. Results of this survey showed that despite the induction of SOS response (overexpression of recA, dinB, and umuD genes) following exposure to ciprofloxacin in Escherichia coli umuC mutants, resistance to ciprofloxacin and SOS mutagenesis significantly decreased. However, rifampicin-resistant clones emerged in this genetic background. One of these clones showed mutations in the rifampicin resistance-determining region of rpoB (cluster II). The low mutation frequency of Escherichia coli might be associated with the presence and overexpression of the umuD gene, which could somehow limit the activity of DinB, the location and type of mutations in the β subunit of RNA polymerase.
However, this is an interesting work, but some minor revisions are required before its full acceptance. Thus, please add the following comments one by one and resubmit the

corrected paper as soon as possible.

Comments to authors:

1- Text should be revised by a native English speaker with some experience in medical microbiology. This is the most important comment.

2- The method section should add to the abstract.

3- Keio collection. Where is it? Please add the name of the institute and company and the country of all ingredients and materials and even devices used in the survey.

4- Add the name of the company in which ciprofloxacin and rifampin were purchased.

5- Please correct 5 *107–5 *108 to 5×107–5×108.

6- In the PCR method, the following should consider:

a. Method used for the DNA extraction

b. The method used to ensure the quality and quantity of extracted DNA.

c. Positive and negative controls in the DNA amplification.

d. Figures of gel electrophoresis.

e. The exact volumes and thermal processing used in the PCR.

7- Statistical analysis should add to the differences between the expression of genes between groups. For example in the last figure.

8- Real-time PCR Melting and amplification curves should add.

9- Please complete the conclusion using the exact findings of your survey.

10- Add statistical analysis in table 1.

11- Add statistical analysis in table 2.

12- Please add figures with higher quality.

Thanks.

REFEREE: EIC | **Revision (0)** 2 Feb 2021

Dear Author,

Thank you for submitting your manuscript to JJM. I have completed the review of your manuscript and a summary is appended below (Pleases find attached files). The reviewers recommend the reconsideration of your paper following major revision. I invite you to resubmit your manuscript after addressing all reviewer comments. Please answer point by point to reviewer's comments on a separate sheet under WORD format and write your modifications in the revised version (WORD format) in colored or highlighted letters. Your answers to reviewers' queries are not only for the Editorial Board but for the readers and should be included, when appropriate, in the manuscript for improvement and a better understanding.

When resubmitting your manuscript, please carefully consider all issues mentioned in the reviewers' comments, outline every change made a point by point, and provide suitable rebuttals for any comments not addressed. In addition, JJM INSTRUCTION attached to the mail, Pleases find it.

Note:

Please add ORCID number into you and your collages account, then automatically appear in your published papers in JJM both in HTML and pdf. Pleases follow the below link for the process. https://sites.kowsarpub.com/jjm/knowledgebase/category/tree.html#orcid.html

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.

Row	Comments	Answer
1	Text should be revised by native English	It was done. The certificate was attached
2	Addition of method section to an abstract	It was done
3	Keio collection, name of institute, compant and country for devices	It was added
4	$5 *10^{7}–5 *10^{8}$ CFU/mL	They have been correct in the first place in my manuscript
5	Method of DNA extraction	It was added
6	Quantity and quality of extracted DNA	Colony PCR method was used for PCR, which did not need qualification and quantification
7	Positive and negative control for PCR	It was done for the first time, so we sure about the results. The positive control was included
8	Result of gel electrophoresis	It was added(Fig.1)
9	Exact volumes and thermal condition for PCR	They were added
10	Statistical analysis should add to expression data	It was done
11	Add statistical analysis to table 1	We do not add statistical analysis for MIC determined by broth dilution method
12	Add statistical analysis to table 2	It was added
13	Add melting and amplification curves	It was added
14	complete the conclusion	It was done
15	Add figures with higher quality	I tried to do that

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Revision (1)

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REFEREE: EIC | **Revision (1)** 23 Mar 2021

Dear authors
According to the associated editor report, your manuscript is accepted for publishing in JJM and send to the publisher for the next process.
Note:
Please add ORCID number into you and your collages account, then automatically appear in your published papers in JJM both in HTML and pdf. For more details:
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