Isolation of *Bacillus altitudinis* JYY-02 secreting a thermal-stable β-glucosidase and its application in production of gardenia blue

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**Review Timeline:**

| Event                        | Date       |
|------------------------------|------------|
| Submission Date              | June 3, 2022|
| Editorial Decision           | June 15, 2022|
| Revision Received            | June 26, 2022|
| Accepted                     | June 27, 2022|

*Editor: Jeffrey Gralnick*

*Reviewer(s): The reviewers have opted to remain anonymous.*

**Transaction Report:**

(Note: With the exception of the correction of typographical or spelling errors that could be a source of ambiguity, letters and reports are not edited. The original formatting of letters and referee reports may not be reflected in this compilation.)

DOI: [https://doi.org/10.1128/spectrum.01535-22](https://doi.org/10.1128/spectrum.01535-22)
June 15, 2022

Dr. Ronggui Li
Qingdao University
308 Ningxia Road
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Re: Spectrum01535-22 (Isolation of *Bacillus altitudinis* JYY-02 secreting a thermal-stable β-glucosidase and its application in production of gardenia blue)

Dear Dr. Ronggui Li:

Thank you for submitting your manuscript to Microbiology Spectrum. As you will see your paper is very close to acceptance. Please modify the manuscript along the lines I have recommended (see below). As these revisions are quite minor, I expect that you should be able to turn in the revised paper in less than 30 days, if not sooner. If your manuscript was reviewed, you will find the reviewers’ comments below.

When submitting the revised version of your paper, please provide (1) point-by-point responses to the issues I raised in your cover letter, and (2) a PDF file that indicates the changes from the original submission (by highlighting or underlining the changes) as file type "Marked Up Manuscript - For Review Only". Please use this link to submit your revised manuscript. Detailed instructions on submitting your revised paper are below.

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Thank you for the privilege of reviewing your work. Below you will find instructions from the Microbiology Spectrum editorial office and comments generated during the review.

The ASM Journals program strives for constant improvement in our submission and publication process. Please tell us how we can improve your experience by taking this quick Author Survey.

Sincerely,

Jeffrey Gralnick

Editor, Microbiology Spectrum

Comments:

1) Please include a ‘Data Availability’ statement at the end of the Methods section (please see https://journals.asm.org/open-data-policy). I see the information is in the Methods, but having it in its own section will help people find it more easily.

2) Please move Figures 5, 6 and 7 to supplemental, as this information does not seem critical to the main focus of the manuscript.

3) Please provide information in the methods section on how the protein structure was predicted.

Preparing Revision Guidelines

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• Manuscript: A .DOC version of the revised manuscript
• Figures: Editable, high-resolution, individual figure files are required at revision, TIFF or EPS files are preferred

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Thank you for submitting your paper to Microbiology Spectrum.
Dear editor,

We are sincerely grateful for the important feedback and good suggestions on manuscript “Isolation of Bacillus altitudinis JYY-02 secreting a thermal-stable β-glucosidase and its application in production of gardenia blue”. Based on the comments we received, careful modifications have been made on the manuscript. All of the revisions were marked in red. We hope the revised manuscript will meet the Journal’s standard.

**Comment 1**

Please include a 'Data Availability' statement at the end of the Methods section (please see https://journals.asm.org/open-data-policy). I see the information is in the Methods, but having it in its own section will help people find it more easily.

**Answers:** We are very grateful for the valuable comment. We have added the data feasibility section at the end of the SECTION of Materials and methods.

**Comment 2**

Please move Figures 5, 6 and 7 to supplemental, as this information does not seem critical to the main focus of the manuscript.

**Answers:** Thank you for pointing it out. We have moved Figures 5, 6, and 7 to supplemental materials and changed the serial number of figures both in Manuscript and Supplementary materials. Figures 5, 6, and 7 were changed to Figures 4S, 7S and 8S in Supplementary materials respectively, while Figures 8, 9, 10,11 and 12 were changed to 5,6,7,8 and 9 correspondingly.

**Comment 3**
Please provide information in the methods section on how the protein structure was predicted.

**Answers:** Thank you for your sincere advice. We have supplemented the websites about how protein structures are predicted in the SECTION of Materials and Methods.

**Others:** (1) We apologize for the valence state error of Ni\(^{2+}\) in the manuscript. We have made modifications in the MS (P7, L4; P13, L10) and Figure 7C (originally Figure 10C).

(2) The misspelling of “thoise” in P6, L1 was corrected to “those”.

(3) The sentence “The isolate was Gram-positive, with endospore and no flagella” (P4, L29) was corrected to “The isolate was Gram-positive with endospores, and no flagellum was observed”.

(4) The word ‘meaned (P6, L21)” was corrected to ‘meant’.

(5) The sentence “Figure 2 Phylogenetic tree of *B. altitudinis* JYY-02 (P21, L6)” was corrected to “Figure 2 Phylogenetic tree constructed from 16S rDNA sequences of *B. altitudinis* JYY-02 and other species.”
June 27, 2022

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308 Ningxia Road
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China

Re: Spectrum01535-22R1 (Isolation of *Bacillus altitudinis* JYY-02 secreting a thermal-stable β-glucosidase and its application in production of gardenia blue)

Dear Dr. Ronggui Li:

Your manuscript has been accepted, and I am forwarding it to the ASM Journals Department for publication. You will be notified when your proofs are ready to be viewed.

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Thank you for submitting your paper to Spectrum.

Sincerely,

Jeffrey Gralnick
Editor, Microbiology Spectrum

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Supplemental Material: Accept