

Name of journal: *World Journal of Gastroenterology*

Manuscript NO.: 80159

Response to Reviewers and to Editor's comments

Dear Editor-in-Chief,

Thank you for giving us the opportunity to review our manuscript. We have responded point by point to the comments of the Reviewers and Editorial Office for the Manuscript:

***Saccharomyces cerevisiae* prevents postoperative recurrence of Crohn's disease modeled by ileocecal resection in HLA-B27 transgenic rats;** Manuscript NO. 80159.

The manuscript has been improved according to these comments.

The new version of the manuscript has been reviewed by a professional English language editing company (Springer Nature Author Service) and language has been further polished to reach Grade A Language Quality. The new certificate has been provided with the submission of the revised Manuscript.

Thanks for your attention,

Best Regards,

Caroline Valibouze

RESPONSES TO REVIEWERS

Reviewer #1:

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Accept (General priority)

Specific Comments to Authors: Postoperative recurrence after ileocecal resection affects most Crohn's disease patients within 3-5 years after surgery. Adherent and invasive *Escherichia coli* (AIEC) typified by the LF82 strain are pathobionts frequently detected in POR of Crohn's disease and have a potential role in the early stages of the disease pathogenesis. *Saccharomyces cerevisiae* CNCM I-3856 is a probiotic yeast reported to inhibit AIEC adhesion to intestinal epithelial cells and to favor their

elimination from the gut. The authors found that Administration of CNCM I-3856 significantly reduced the levels of luminal and adherent LF82, increased the production of IL-10 and decreased the production of IL-23 and IL-17 in TgB27 rats. This study confirmed the capacity of *S. cerevisiae* CNCM I-3856 to prevent AIEC-induced POR.

Answer: Dear reviewer, thank you for your review and comments. The new version of the manuscript has been reviewed by a professional English language editing company and language has been further polished to reach Grade A Language Quality.

Reviewer#2:

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Accept (General priority)

Specific Comments to Authors: Dear Author, thank you for provide this research.

Answer: Dear Reviewer, thank you for your review and comment. The new version of the manuscript has been reviewed by a professional English language editing company and language has been further polished to reach Grade A Language Quality.

EDITORIAL OFFICE'S COMMENTS

Science editor:

The manuscript has been peer-reviewed, and it's ready for the first decision.

Language Quality: Grade B (Minor language polishing)

Scientific Quality: Grade B (Very good)

Answer: Dear Editor, thank for your comment. The new version of the manuscript has been reviewed by a professional English language editing company and language has been further polished to reach Grade A Language Quality. The new certificate for the English editing has been provided with the submission of the revised Manuscript.

(2) Company editor-in-chief:

I have reviewed the Peer-Review Report, the full text of the manuscript, and the relevant ethics documents, all of which have met the basic publishing requirements of

the World Journal of Gastroenterology, and the manuscript is conditionally accepted. I have sent the manuscript to the author(s) for its revision according to the Peer-Review Report, Editorial Office's comments and the Criteria for Manuscript Revision by Authors. Before final acceptance, uniform presentation should be used for figures showing the same or similar contents; for example, "Figure 1 Pathological changes of atrophic gastritis after treatment. A: ...; B: ...; C: ...; D: ...; E: ...; F: ...; G: ...". Please provide decomposable Figures (in which all components are movable and editable), organize them into a single PowerPoint file.

Answer: Dear Editor-in-Chief, thank you for your comments. Uniform presentation has been made for the figures, and all figures have been provided in a decomposable form in a Powerpoint file submitted with the revised Manuscript.

Please authors are required to provide standard three-line tables, that is, only the top line, bottom line, and column line are displayed, while other table lines are hidden. The contents of each cell in the table should conform to the editing specifications, and the lines of each row or column of the table should be aligned. Do not use carriage returns or spaces to replace lines or vertical lines and do not segment cell content.

Answer: The table of the manuscript has been edited according to your comments and to the editing specifications.

Please check and confirm whether the figures are original (i.e. generated de novo by the author(s) for this paper). If the picture is 'original', the author needs to add the following copyright information to the bottom right-hand side of the picture in PowerPoint (PPT): Copyright ©The Author(s) 2022.

Answer: All the figures are original. The mention "**Copyright** ©The Author(s) 2022" has been added to the bottom right-hand side of all the figures in the Powerpoint file.

Before final acceptance, when revising the manuscript, the author must supplement and improve the highlights of the latest cutting-edge research results, thereby further improving the content of the manuscript. To this end, authors are advised to apply a new tool, the Reference Citation Analysis (RCA). RCA is an artificial intelligence technology-based open multidisciplinary citation analysis database. In it, upon obtaining search results from the keywords entered by the author, "Impact Index Per Article" under "Ranked by" should be selected to find the latest highlight articles, which can then be used to further improve an article under preparation/peer-review/revision. Please visit our RCA database for more information at: <https://www.referencecitationanalysis.com/>.

Answer: The "Reference citation analysis" tool was used to check if there were any new cutting-edge research results in the same scientific field that could have been used to improve the quality of the manuscript.