

Responses to the comments of the Reviewer:

Review of the manuscript with title “Vaccine therapy for dysbiosis-related diseases”

The comments:

1. The title reflects the main subject/hypothesis of the review.

We really appreciate the reviewer’s comments.

2. The abstract summarizes and reflect the main goal of the review.

We really appreciate the reviewer’s comments.

3. The key words reflect the focus of the review.

We really appreciate the reviewer’s comments.

4. The review described the background, present status and significance of the study.

We really appreciate the reviewer’s comments.

5. The research objectives were achieved and this study opened the door for further studies to develop vaccines that may solve many common infectious diseases and dysbiosis-related disorders.

We really appreciate the reviewer’s comments.

6. The figures are of good quality but they require comment under them to explain their content, they must be put in the review after their explanation so it will be easier for us to follow fig.1 in page 10 and fig.2 in page 11.

Thank you for the reviewer’s comments. As the reviewer suggested, we modified our figures with explanation to their details. Thanks to the reviewer’s comments, our review article has been made easier to understand.

7. the review cited appropriately the latest, important and authoritative references.

We really appreciate the reviewer’s comments.

8. The review is well organized and presented, the style, language and grammar are accurate and appropriate.

We really appreciate the reviewer’s comments.

Comment to authors: This is an interesting study which spot the light on dysbiosis and an important prime–boost vaccine targeting various infectious diseases and is capable of inducing strong and durable systemic and mucosal immunity, which we hope will

become a new treatment in the next generation of antimicrobial strategies. But more details and studies of this new vaccine strategy is needed to be certain about the value and efficacy of this vaccine and how it works and the immunity produced in response to this vaccine lasts for how long.

Thank you for the reviewer's comments. We think that we must aim to establish more-effective prevention or treatment of intestinal bacteria-mediated diseases by introducing new methods such as our prime–boost vaccination that are based on the best existing treatments.