Reviewer #2:

Thank you very much for your attention to the microbiological methodology and English grammar in the manuscript. We have answered your questions and made modifications to the manuscript, which are marked in red.

1. In Abstract and text: "Pseudomonas", in italics. It is a microbial genus. Throughout the text, instead of using "Pseudomonas", you should use "Pseudomonas spp." since it is not known how many species and strains of the genus are detected in the counts. I do not detect a genus, in the abstract, but rather I detect all the species and strains of that genus that may be present.

Response to comment: Yes. We thank the reviewer's suggestion. We have revised all "*Pseudomonas*" in the manuscript to "*Pseudomonas* spp."

2. 72 strains were isolated. From how many samples? How were they isolated? How was it determined that they were LAB?

Response to comment: Prior to the conduct of this study, we collected 80 samples of traditional fermented milk from the Tibetan Plateau region and have screened to obtain a large number of lactic acid bacteria strains, which were isolated and purified using MRS medium during the screening process. The strains used in this study were identified by microscopy and 16s rRNA sequencing, and NML-21 has been deposited in the China Center for Type Culture Collection. There is a paper as a reference.

S. F. Wu, X. L. Yang, H. A. Gao, C. R. Shi, L. L. Wang, D. Y. Lu, Y. H. Li, J. L. Zhang, W. B. Zhang and P. C. Wen, Research on bacterial community characteristics of traditional fermented yak milk in the Tibetan Plateau based on high-throughput sequencing, Peerj, 2023, 11, 20, https//doi.org/10.7717/peerj.14733.

3. Table 2: the units of the growth response need to be indicated in the title. What do the numbers that appear in the table indicate?

Response to comment: The numbers in Table 2 represent the absorbance values (OD600nm) that we determined at the end of the growth of the lactic acid bacteria, and we agree with your comments and have refined the notes of Table 2.

4. How was the genus and species of the NML21 strain identified?

Response to comment: Prior to publication, we sequenced the whole genome of NML-21 and have determined that it belongs to *Lactiplantibacillus plantarum*.

5. Were the 6 strains also genetically identified?

Response to comment: Prior to the experiment, 16sRNA sequencing had been performed to identify all six strains as lactic acid bacteria.

6. Figs 3-7: as in Fig. 2, the titles must indicate what CK, M1, M5 and M9 means. Remember that a figure must be able to be interpreted without having to resort to the text.

Response to comment: We have revised all the annotations to the diagrams in the manuscript as you requested.

7. - Figs 2-7: use "treatments" in the titles since 4 treatments were applied

Response to comment: We have revised Figure 2-7 from "treatment" to "treatments".

8. - Figs. 3, 6....; "A.bisporus" in italics

Response to comment: We have revised the manuscript from "A. bisporus" to "*A. bisporus*".

9. - line 359: "As expected, the strain NML21 converted..."

Response to comment: We have revised the manuscript from " As expected, strain NML21

converted..." to " As expected, the strain NML21 converted...".

10. - the genus and species of the microorganisms must always be written in italics. Review all text, especially Discussion.

Response to comment: We have checked the manuscript for areas that need to be written in italics and have made corrections.

11. - line 381: what is the identification of the strains used in the cited study. Only genus and species are indicated. Not all strains of that genus and species give the same result. Same line 396

Response to comment: We agree with you. Microorganisms appearing in the manuscript were revised to the exact individual number of the strain.

12. - line 396: (Rhodotorula yeast Cryptococcus laurentii) ??

Response to comment: Because of a language problem, we made a mistake in our presentation, and the brackets should read Cryptococcus laurentii, which is a yeast. We have made the correction.

13. - line 427: "...acid, and a browning resistant..."

Response to comment: We have revised the manuscript from " acid, and browning-resistant strain " to " acid, and a browning-resistant strain".

14. - line 428: "...from 72 strains for the...".

Response to comment: We have revised the manuscript from " ...from 72 for the... " to " ...from 72 strains for the... ".