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Journal Name:	Asian Journal of Biotechnology and Bioresource Technology
Manuscript Number:	Ms_AJB2T_52395
Title of the Manuscript:	Comparison of mycelial growth of different Tricholoma matsutake strains in soil medium at varying temperatures
Type of the Article	Short Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) # The portions changed in the revised manuscript in the light of the comments made by this reviewer are highlighted in yellow.
Compulsory REVISION comments	<ol style="list-style-type: none"> 1. In the Abstract, revise Conclusion. The current statement is not a conclusion. 2. Revise Introduction. Further information regarding <i>Tricholoma matsutake</i> must be given including: i) taxonomic status and morphological characteristics; ii) optimal culture condition (for mycelia, if known); and iii) cultivation (can this mushroom be cultivated currently? Or it is a wild mushroom). 3. Specify the mean temperature given. Is this annual temperature mean? 4. Provide loamy soil supplier. Also, further describe the B-horizon soil. 5. Show the Figure of flat-bottom vials containing soil medium used in the study (both before inoculating and after mycelial growth). 6. Why were 89 days of cultivation used and not 100 days (or more)? 7. Provide the reference for the primers used. 8. Specify the concentration of the template DNA used. 9. Further describe the quadratic and tertiary equation models used. 10. Further explain the strains I122 and I33 as their growth at 25C seemed to be better than those at 20C. Similar trend was also observed for I33 for mycelial density. 11. How about the mycelial density of NF2970 at 15C? 12. Further discuss the optimal temperature for this mushroom in different zones (if available), e.g., in Finland and southeast Asia. 13. Further describe the data obtained from the References 5 and 16. How were these meant, compared with the current study? Any possible reason? 14. Further explain how this study would contribute to the mushroom cultivation. 	<p>Thank you very much for the valuable comments and suggestions.</p> <ol style="list-style-type: none"> 1. We have revised the conclusion part of the abstract, as suggested. 2. We have revised the Introduction section and have added the information sought by the reviewer. Please note that the optimal culture condition for mycelia has been described in the subsequent paragraph (highlighted in pale blue). 3. It is the annual mean air temperature. We have added "annual" in the footnote of Table 1. 4. We have mentioned the name of the supplier of loamy soil and have included further details about the B-horizon soil. 5. We have added a figure showing flat-bottom vials containing soil medium used in the study. 6. To obtain more accurate results, we had set longer cultivation period compared to those reported previously, such as 43 days (Kawai & Abe, 1976) and 40 days (Ohta, 1990). 7. We have added the reference for the primers used (Yamaguchi et al., 2016). 8. We have specified the DNA concentration and have revised the relevant text in the manuscript. 9. We have added the following text in this regard: "because the observed value for mycelial growth rate and density showed a single peak with a long tail for some strains (Fig. 2 and Fig. 3)." 10. For the strain I122, we have corrected the relevant chart in Figure 2 and Figure 3. For strain I133, the average values for mycelial growth and density at 20 °C were slightly (but not significantly) higher than those at 25 °C. 11. Thank you for your indication in this regard. You seem to be referring to the "valley" shape at 15 °C (between 10 and 20 °C). We checked the data again, especially for 10 °C, but no doubtful results were found. 12. Regrettably, we could not find any report on the optimum temperature for the incubation of matsutake in different climatic zones. However, we have mentioned the annual mean temperature in Finland and Laos in the revised manuscript. 13. These references were cited because the data reported in the cited studies were compared with those obtained in the present study. We have added the data for temperature from these studies in the revised manuscript. 14. As suggested, we have further described as to how this study would contribute to the mushroom cultivation.
Minor REVISION comments		
Optional/General comments		



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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	