

**Review Form 3**

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|--------------------------|--|
| Journal Name:            | <b>Journal of Advances in Biology &amp; Biotechnology</b>  |
| Manuscript Number:       | <b>Ms_JABB_121173</b>  |
| Title of the Manuscript: | <b>Characterization of diverse carrot (<i>Daucus carota</i> L) genotypes using long noncoding RNA-based microsatellite markers</b> |
| Type of the Article      | <b>Original research</b>   |

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**PART 1: Review Comments**

| <b>Compulsory</b> REVISION comments   | <b>Reviewer's comment</b>   | <b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|---|---|---|
| Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.                        | The manuscript presents a promising concept for plant genotype characterization by focusing on long non-coding RNA.   |   |
| Is the title of the article suitable? (If not please suggest an alternative title)  | Suitable title  |   |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.   | Good abstract   |   |
| Are subsections and structure of the manuscript appropriate?  | yes   |   |
| Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part. | While gradient PCR is a valuable tool for determining the optimal annealing temperature, it's crucial to report the specific temperature identified as the best for subsequent PCR reactions in material and methods or in the result paragraph |   |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.   | The manuscript could benefit from additional references to strengthen the supporting evidence for the presented findings.   |   |
| <b>Minor</b> REVISION comments  |   |   |
| Is the language/English quality of the article suitable for scholarly communications?   | yes   |   |
| <b>Optional/General</b> comments  |   |   |

**PART 2:**

|  | <b>Reviewer's comment</b>  | <b>Author's comment</b> (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) |
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| Are there ethical issues in this manuscript? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> |  |

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**Reviewer Details:**

|                                  |                                     |
|----------------------------------|-------------------------------------|
| Name:                            | <b>Sabaa Ali Mohammed Al. Fadal</b> |
| Department, University & Country | <b>Basrah University, Iraq</b>      |