

Name:	<u>UTTAR PRADESH JOURNAL OF ZOOLOGY</u>
Manuscript Number:	Ms_UPJOZ_4533
Title of the Manuscript:	Molecular characterization of Rhipicephalus microplus species by using sanger sequencing COI & 18S rRNA marker from Chhatrapati Sambhajinagar district M.S. India.
Type of the Article	

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript holds significance for the scientific community as it addresses the molecular characterization of Rhipicephalus microplus, a major ectoparasite responsible for significant economic losses in livestock industries globally. Utilizing advanced molecular tools such as Sanger sequencing with COI and 18S rRNA markers provides critical insights into the genetic diversity and phylogenetic relationships of this tick species. The findings could contribute to understanding tick-borne diseases and developing effective control strategies. The study also provides region-specific data from Chhatrapati Sambhajinagar district, M.S. India, enriching the global database on R. microplus.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title accurately reflects the study's content, methodology, and geographic focus. However, a more concise version could enhance readability and impact. Suggested alternative title: "Molecular Characterization of Rhipicephalus microplus Using COI and 18S rRNA Markers from Chhatrapati Sambhajinagar, India."	

<p>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.</p>	<p>Suggested additions: Number of samples analyzed and successful sequencing outcomes. A brief mention of the phylogenetic insights or evolutionary significance.</p>	
<p>Is the manuscript scientifically, correct? Please write here.</p>	<p>The manuscript appears scientifically sound, provided the methodology and results are well-detailed and statistically validated. Specific considerations include:</p> <p>Ensure the Sanger sequencing results are cross-verified with a phylogenetic tree analysis.</p> <p>Confirm that the COI and 18S rRNA markers effectively resolved intra-species variations.</p> <p>Discuss any limitations of the molecular approach used in this study.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>The references cited should be checked for relevance and recency. Suggestions:</p> <p>Include recent studies (post-2020) focusing on molecular characterization of Rhipicephalus species.</p> <p>If not already included, refer to global databases like GenBank for sequence comparison and highlight contributions to such repositories.</p>	

Is the language/English quality of the article suitable for scholarly communications?	<p>he language is generally suitable for scholarly communication but should be proofread for grammatical errors and clarity. Suggestions:</p> <p>Simplify complex sentences for better readability. Avoid redundancy and ensure consistent use of scientific terminology.</p>	
<u>Optional/General</u> comments	<p>Discuss the broader implications of the study, particularly in relation to the control of tick-borne diseases in livestock.</p> <p>Consider including a graphical abstract to visually summarize the study.</p> <p>If data permits, add a comparative analysis of R. microplus from other Indian districts or global regions.</p>	

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>	

Reviewer Details:

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