

**Review Form 3**

Journal Name:	<b>Journal of Experimental Agriculture International</b>
Manuscript Number:	<b>Ms_JEAI_121296</b>
Title of the Manuscript:	<b>Genetic analysis for popping traits in tropical inbred lines of popcorn (Zea mays var. everta)</b>
Type of the Article	<b>Original Research Article</b>

**Review Form 3**

**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)
<b>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.</b>	Studying popping traits in tropical inbred lines of popcorn is crucial for enhancing the quality and yield of this popular snack. By understanding the genetic factors that influence traits like expansion volume, kernel hardness, and popping efficiency, breeders can develop superior varieties adapted to tropical climates. This research not only boosts local agricultural productivity but also meets consumer demand for better popcorn, thereby supporting both farmers and the food industry.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	<b>yes</b>	
<b>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.</b>	Study design: line x tester mating fashion Place and Duration of study: MRC, PJTSAU, Rajendranagar Hyderabad, between 2023-2024. These above lines should be incorporated in Materials and methods. Little background also can be added at start.	
<b>Are subsections and structure of the manuscript appropriate?</b>	<b>yes</b>	
<b>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.</b>	The manuscript demonstrates rigorous scientific methodology through the application of ANOVA, mean performance evaluations, General Combining Ability (GCA), and Specific Combining Ability (SCA) analyses. ANOVA is appropriately used to determine the significance of variations among the genotypes, while mean performance analysis accurately captures the overall performance of each genotype. The GCA and SCA analyses are meticulously executed, providing valuable insights into the additive and non-additive genetic variances, respectively. These methods collectively ensure a comprehensive assessment of the genetic architecture and hybrid breeding potential of the studied popcorn inbred lines.	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	I suggested to add recent references if available (2023, 2024).	
<b>Minor</b> REVISION comments		
<b>Is the language/English quality of the article suitable for scholarly communications?</b>	Minor revision.	
<b>Optional/General</b> comments	Good	

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**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)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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