

Review Form 1.8

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_120100
Title of the Manuscript:	Unveiling Genetic Potential: Phenotypic and Genetic Analysis of BC2F1 Maize Lines from Zea nicaraguensis Crosses
Type of the Article	Research article

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PART 1: Review Comments

<u>Compulsory</u> REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Is the manuscript important for scientific community? (Please write few sentences regarding this manuscript to justify your answer)	Yes, The manuscript discusses the diverse kernel parameters observed in a backcross population originating from wild and cultivated maize lines, highlighting their inheritance patterns.	
Is the title of the article suitable? (If not please suggest an alternative title)	No, the title can be misleading. The authors can find an alternative such as “ An analysis of kernal and yield parameters of BC2F1 Maize population derived from a cross with wild maize (<i>Zea nicaraguensis</i>)	
Is the abstract of the article comprehensive?	The abstract must include much more comprehensive details of the results obtained	
Are subsections and structure of the manuscript appropriate?	<ol style="list-style-type: none"> 1. Abstract and title must be changed 2. The introduction and material & methods must be corrected. 3. The material must include the table showing the difference between the three parents for all the characters studied among the population. Authors are just classifying the population without any parental information, for example, the population has different colours of kernels. Until the the parents have it, cannot be seen in the progenies. So this information is really valuable. 4. The results are missing with major tables (PCA, Kernal and yield mean data table) which must be provided for statistical comaprison 	
Do you think the manuscript is scientifically correct? (Please write few sentences regarding this manuscript to justify your answer)	Yes, the manuscript is scientifically correct.	
Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.	Yes, the references are sufficient	
<u>Minor</u> REVISION comments		
Is language/English quality of the article suitable for scholarly communications?	Few corrections are required which is highlighted in the manuscript	
<u>Optional/General</u> 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>	

Reviewer Details:

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