

Review Form 1.6

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_82174
Title of the Manuscript:	Molecular breeding for enhancing grain yield in elite Indian rice (<i>Oryza sativa</i> L.) variety Improved White Ponni through introgression of major effect qDTY 3.1
Type of the Article	Original 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:

(<https://www.journalijpss.com/index.php/IJPSS/editorial-policy>)

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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)
Compulsory REVISION comments	<p>The manuscript is relatively well written, and the presented results contribute to the improvement of the grain yield in Improved White Ponni rice under reproductive stage drought stress</p> <p>I have some recommendations in order to improve the manuscript quality:</p> <ul style="list-style-type: none"> - at the end of the introduction section the authors must clearly define the study aim, highlighting within a paragraph the scientific gaps of the knowledge (these aspects are undistinguishable in the present form of the manuscript) - within the mention of the name of the establishment please insert, India, the name of the country after the city name – Coimbatore; - to be more explicit please define “<i>qDTY 3.1</i>”. I wonder, it is a gene? - after the first appearance in the text of the “Improved White Ponni”, please insert - IWP - please insert a reference after the mentioned PCR conditions; - I wonder were any positive and/or negative control used within PCR reactions? - please specify the agarose gel concentration used for PCR results quantification - “estimatedas” “measured.Time” “petriplates” “upto” “atleast”– please insert space delimitations and be carefully with this issue throughout the manuscript!!! There are several formatting errors. - within the whole materials and methods section – the authors need to mention the used devices for each measurement followed in brackets the company, city and country name of the origin - is presented in Fig. 1 instead of “is given in Fig 1” - “were selfed” (???) unclear expression - within the figure definition denote instead of “denotes” - “introgressed” – not understandable, please try to find a synonym to replace it or explain what you mean? - “However, the BILs with <i>qDTY3.1</i> in this study ...” instead of “But the BILs with <i>qDTY3.1</i> in this study...” - “were observed by Shamini...” instead of “were identified by Shamini ...” - in the last column of the Table 1 please insert the 95% confidence interval values - “The aim of this research was to generate high-yielding, drought-tolerant rice lines with acceptable grain quality” – please reject this sentence from the conclusion section <p>I suggest to the authors to carefully revise and standardize the reference list of the manuscript according to the journal requirements (e.g. italicize of <i>Oryza sativa</i> L. or abbreviation – “Indian J. Genet.” or “Electronic Journal of Plant Breeding” full name - of the journals)</p> <p>Please carefully revise the typeset and spelling errors from the manuscript</p>	
Minor REVISION comments		
Optional/General comments		

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PART 2:

	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)
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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