



SDI Review Form 1.6

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2013_AJEA_5927
Title of the Manuscript:	Reproducible <i>Agrobacterium</i> -mediated transformation of Nigerian cultivars of tomato (<i>Solanum lycopersicum</i> L.)
Type of the Article	Research Paper

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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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)
<u>Compulsory</u> REVISION comments	The results described in plates 1 and 2 should indicate the correct size of fragments obtained by PCR, the sequence of both genes are available in many databases (uidA and nptII genes). However, the stable integration of these genes in the transformation experiments must be confirmed by Southern Blot analysis. References are not written according to the format of this Journal so they must be corrected in this manuscript.	The sizes of the amplified gene fragments resolved on gel have been provided. The gene sequences of the primers used are provided in the materials and methods section. Facilities for southern blot analysis are not available References have been corrected to conform with the format of the Journal
<u>Minor</u> REVISION comments	There is an error in the numbering of tables, page 7, lines 242, 245, read table 1 and 2, respectively, and no 2 and 3 In terms of statistical analysis, why not try to use other test such as student t?, look at the work published by He, Y et al., 2010. Agrobacterium-mediated transformation of durum wheat (Triticum turgidum L. var. Durum cv Stewart) WITH improved efficiency. J Exp Bot 61 (6) :1567-1581,	Corrections have been made. The statistical method used in the experiment was to show the dependence of transformation efficiency on type of explants used



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<u>Optional/General</u> comments	This manuscript describe a reproducible <i>Agrobacterium</i> -mediated transformation method of Nigerian cultivars of tomato (<i>Solanum lycopersicum L.</i>).The work is scientifically relevant since is important in developing countries like Nigeria, that this type of work can be carried out and to help improve the production of crops such as tomatoes and other kind of crops.	