



SDI Review Form 1.6

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_38563
Title of the Manuscript:	Evaluation of potential vegetal growth by using endophytic bacteria
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:

(<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)
Compulsory REVISION comments	Corn is one of the most important crops in the world, being the food base of many people. The search for technologies that increase production economically and sustainably are the goal of much scientific research, especially in the agronomic area, as well as the desire of large companies. The possibility of using bacteria to improve plant performance is very interesting. Although there are several studies demonstrating the negative or null result with the use of such microorganisms in Poaceae species, it is necessary to perform experiments covering a greater diversity of microorganisms and species of this family in order to clarify the interactions (or lack thereof) as proposed the present work. Title - The title is very "open" ... Without reading the summary it seems that a greater number of plant species will be evaluated. I suggest that the word corn should be in the title and the name of the bacteria used in the study in the "keywords". Improve the 1st paragraph - Corn is one of the oldest crops in the world (it can be mentioned since when it is used), it is a commodity and it is important worldwide (punctuating some applications such as food industry, bioenergy, animal feed and others). Its importance in small properties and traditional communities (eg. indigenous). Last paragraph "Introduction" - Add a "justification".... If the positive interaction between the plant and the bacteria is proved, what are the resulting benefits? What "technology" can be generated? Improve and increase the discussion and conclusions of the work.	We performed some improvements in the text, accepted almost everything and corrected many factors in the text.
Minor REVISION comments	Row 19 – “constituents and hormones (Taiz Et al., 2017)…” → et al. Rows 245-246 – In “Also observed that the genetic breadth of the used material had influence on the interaction with the microorganisms.” I believe that the term “genetic variability” or “breadth of genetic variability” is best applied. The same applies to the paragraph between the rows 302-305.	Row 19. Ok Rows 245-246. True, the term genetic variability is better than the one used before.
Optional/General comments	Rows 100-101 - Dried to constant weight? Table 01 - I suggest changing chart into chart or keep chart and add chart. Rows 307-311 - Why compare with coffee? The <i>Coffea</i> spp. is from another family with very different morphology than Poaceae. Why was this corn hybrid used? Any special reason? And, why a single hybrid? Would not it be interesting to have used others to check the difference between genotypes?	Rows 100 – 101. Ok. Rows 307-311. We agree that wasn't a good choice so we removed it. This hybrid has a huge commercial importance in the region so it was decided to use only it. Thank you for your review.