

REVIEWER COMMENTS PeerJ #78922**DR. SAJID ALI****Typographical / Grammar Errors/ Changes Recommended**

S. No.	Line No.	Written	Recommendation
1	28	of <i>B. subtilis</i>	of <i>B. subtilis</i>
2	28	sweet corn ,	sweet corn,
3	32	Combined transcriptomic	Combined transcriptomic
4	36	provides a	provides a
5	37	mechanisms by	mechanisms by
6	49	Kuchina et al., 2021	Kuchina et al., 2021
7	62	soil, and	soil, and
8	70	<i>B. subtilis</i>	<i>B. subtilis</i>
9	73	received a Chinese	received a Chinese
10	73	from the	from the
11	81	on the	on the
12	90	resuspended in	resuspended in
13	92	of approximately 1×10^8 cfu	of approximately 1×10^8 cfu
14	96	were sowed	were sown
15	97-98	When seedlings produced 3-4 leaves, they were transplanted into the field	Seedlings were transplanted to field at 3-4 leaf stage
16	115	Qubit 2.0	Qubit 2.0
17	115	and Agilent	and Agilent
18	116	experimental design, calculated	experimental design was calculated
19	119	(quality score less than Q20), were	(quality score less than Q20), were
20	148	°C overnight, centrifuged	°C overnight, centrifuged
21	191	improves sweet	improves sweet
22	209	region was	region was
23	231	DEGs in different	DEGs in different
24	232	values. Comparison between	values. Comparison between
25	238	the cellular	the cellular
26	241	for. “molecular function”	for. “molecular function”
27	267	tryptophan metabolism (17)	tryptophan metabolism (17)
28	267	glycolysis/gluconeogenesis (15)	glycolysis/gluconeogenesis (15)
29	268	phenylpropanoid biosynthesis (12)	phenylpropanoid biosynthesis (12)
30	284	Q ² exceeded	Q ² exceeded
31	338-339	“phenylpropanoid biosynthesis,” “glycolysis/gluconeogenesis,” and	“phenylpropanoid biosynthesis”, “glycolysis/gluconeogenesis”, and
32	348	Yu et al., 2017). MAPK	Yu et al., 2017). MAPK

33	372	reportthe qualitycharacteristics	report the quality characteristics
34	383	requiresfurther	requires further
35	385	mechanismsby	mechanisms by

General Comments:

- Lines 70-71: The endophytic *B. subtilis* R31 isolated from the leaves of *Dendrobium orchid* is a typical example of an exogenous endophyte for controlling banana fusarium wilt in China (please add reference).
- Lines 93-94: Please add coordinates (latitude and longitude) of the experimental area
- In some parts of MS there is space between figure and unit, e.g., ‘5mL’ in line 87 and ‘100 ML’ in line 88. Please stick to one format throughout the MS. Please check the whole MS and correct accordingly.
- Line 100-102: I do not think there is any analysis involved in these parameters. Data on these parameters were recorded.
- Although it has been mentioned in line 180 of Materials and Methods section that ‘R’ was used for statistical analyses, but no further information is available about the probability used for statistical analysis. Additionally, no significance test has been performed to determine the statistical/significant difference among treatments studied during the course of the research study.
- Sample size is appropriate and study has been conducted in a good scientific way and written in a compact manner.
- Conclusion is mor like a summary. Conclusion should be 2-3 lines take home message out of the research study. Needs to be re-written.
- In figures 1 & 2, the error bars are not clear (what do they represent, Standard Deviation or Standard Error). Please mention in footnotes.
- I have not checked the references in the MS, as I suppose that these will be checked and matched by the editorial staff of PeerJ.