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*Research Article*

**Root colonization dynamics of alginate encapsulated rhizobacteria:  
implications for *Arabidopsis thaliana* root growth and durum wheat  
performance**

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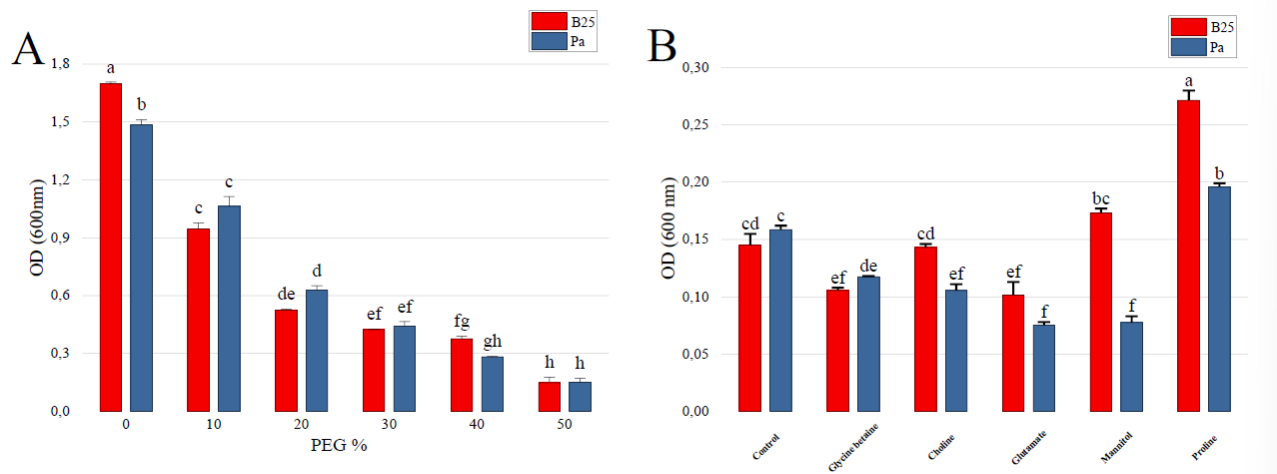
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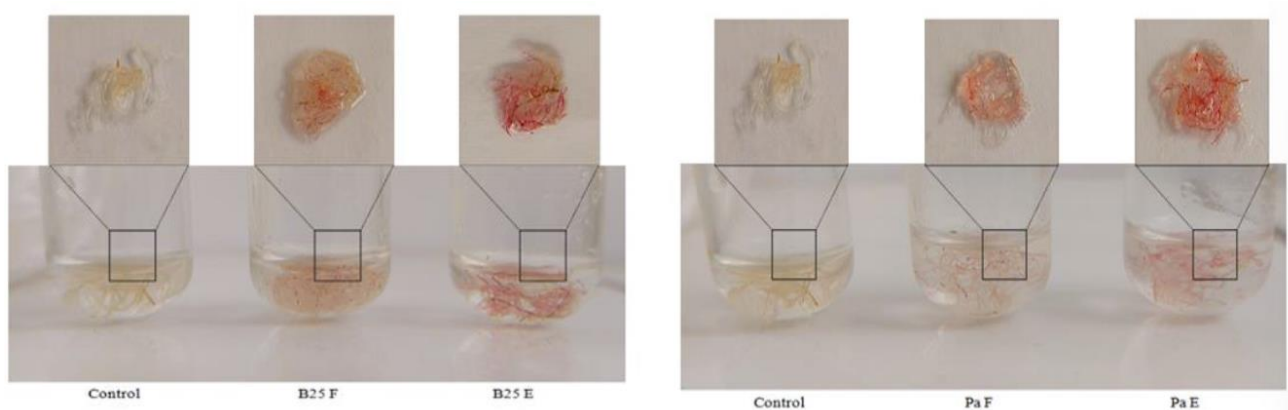
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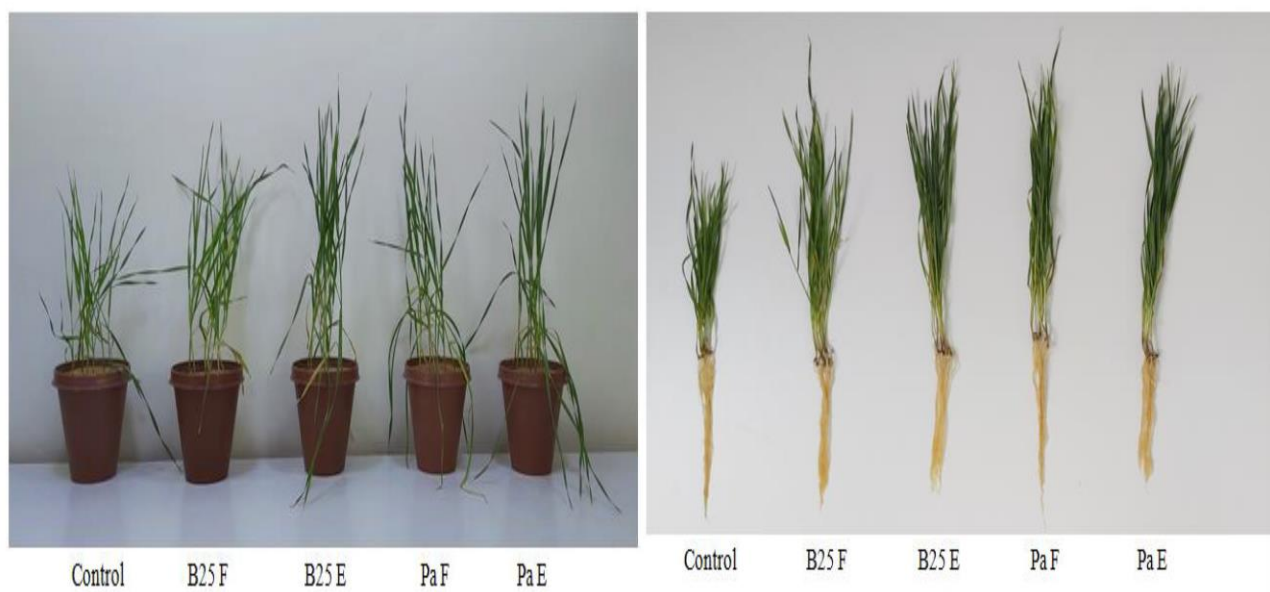
**Supplementary**



**Figure S1.** Effect of (A) different concentrations of PEG6000 (%) and (B) different osmoprotectants (mM) on the growth of strains B25 and Pa. Bar plots represent the average standard error of three different experiments. OriginPro was used to perform statistical analysis, using two-way ANOVA and Tukey's multiple comparison post-test. The effects of PEG6000 corresponding to each treatment and not sharing the same letters are significantly different according to Tukey's post hoc HSD test.



**Figure S2.** Illustration of *Arabidopsis thaliana* roots colonization by free and encapsulated bacteria revealed by triphenyltetrazolium chloride (TTC).



**Figure S3.** Inoculation effect of free and encapsulated B25 and Pa on durum wheat growth.



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