

Figure S1. PCR product showing amplified *iturin* (A), *nifH* (B) and *acds* (C) gene fragment of bacterial strain PM34 on 1.5% agarose electrophoresis. Lanes: M, Molecular mass standards

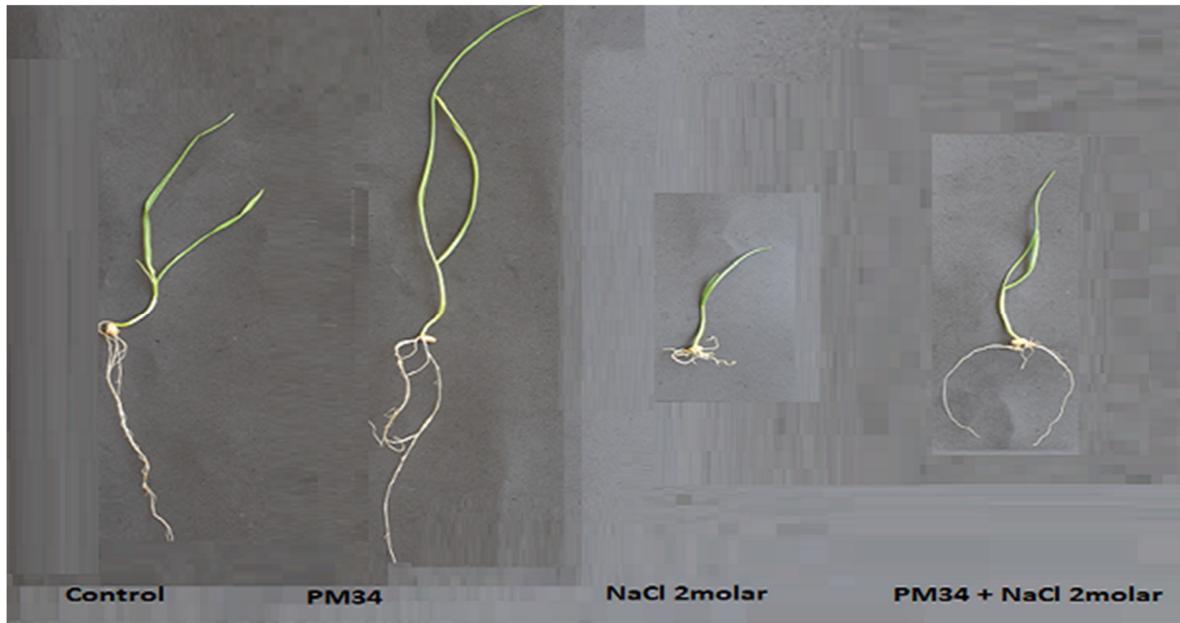


Figure S2. Effects of strain PM34 on growth of wheat seedlings under the 2molar NaCl stress.

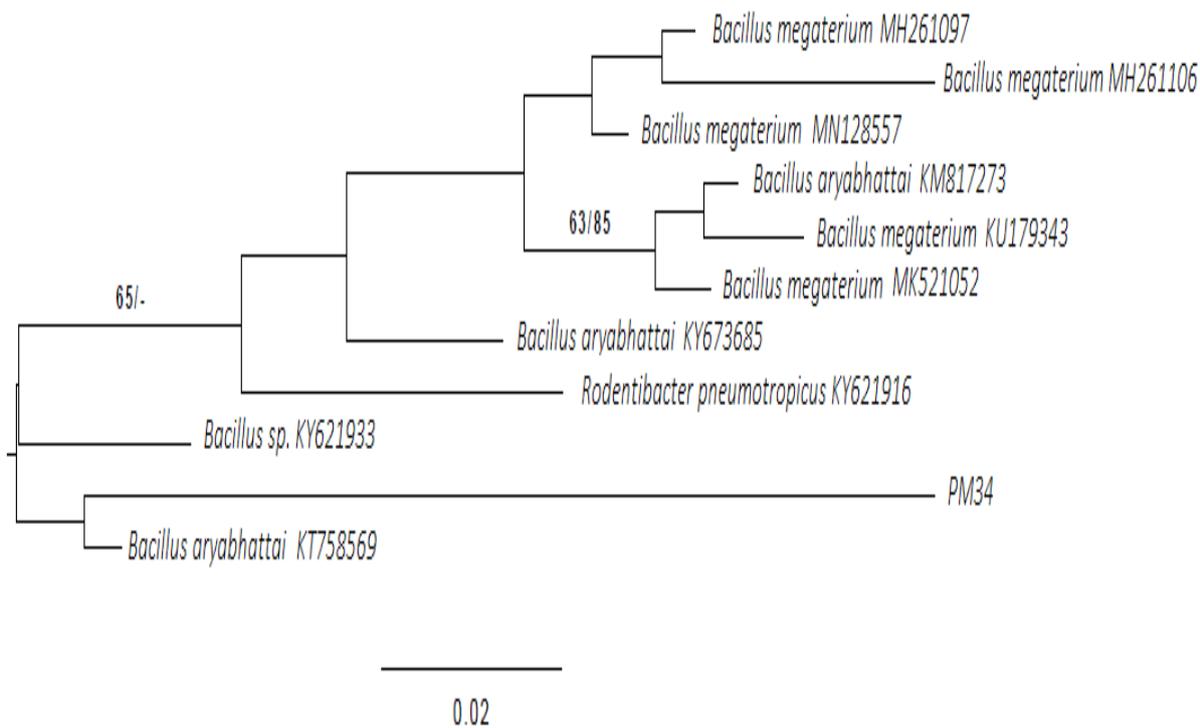


Figure S3. The evolutionary history was constructed by Neighbor-Joining method. Bootstrap test—800 replicates

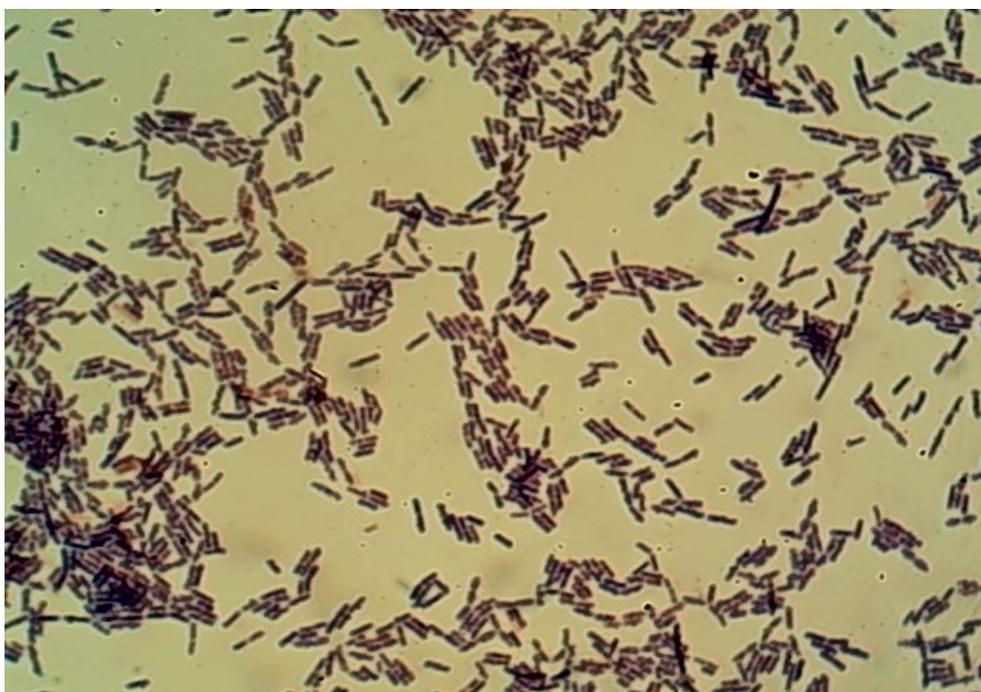


Figure S4. Gram staining results of strain PM34

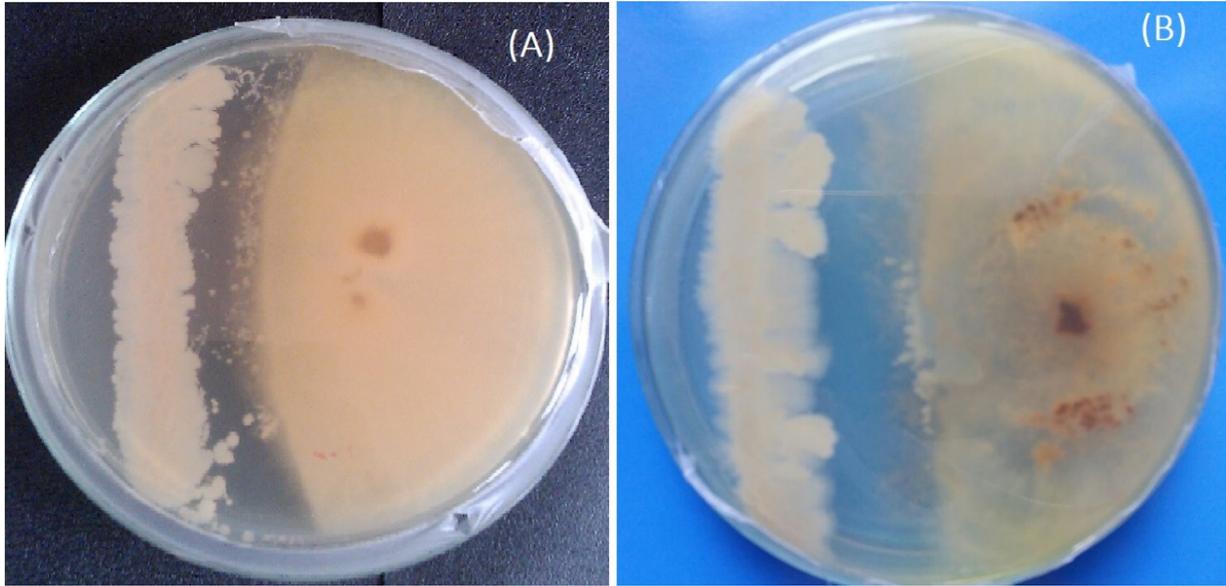


Figure S5. Mycelial inhibition of *F. solani* (A) and *R. solani* (B) in dual culture experiment by strain PM34



Figure S6. Siderophore production by strain PM34



Figure S7. Zinc solubilization by strain PM34