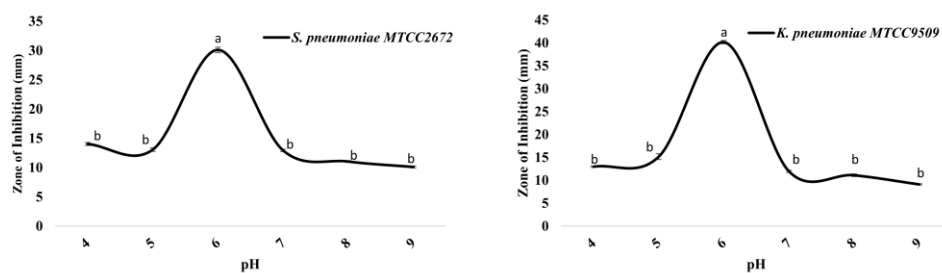
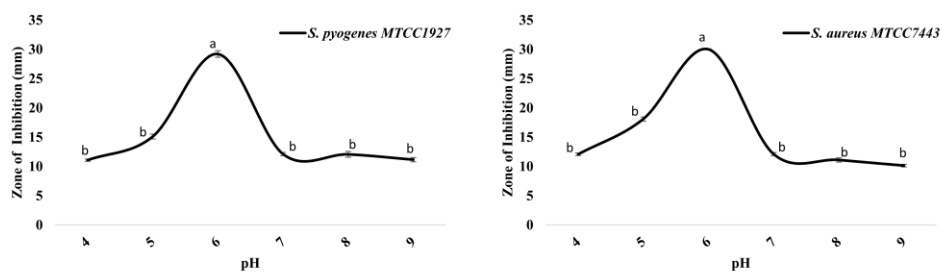
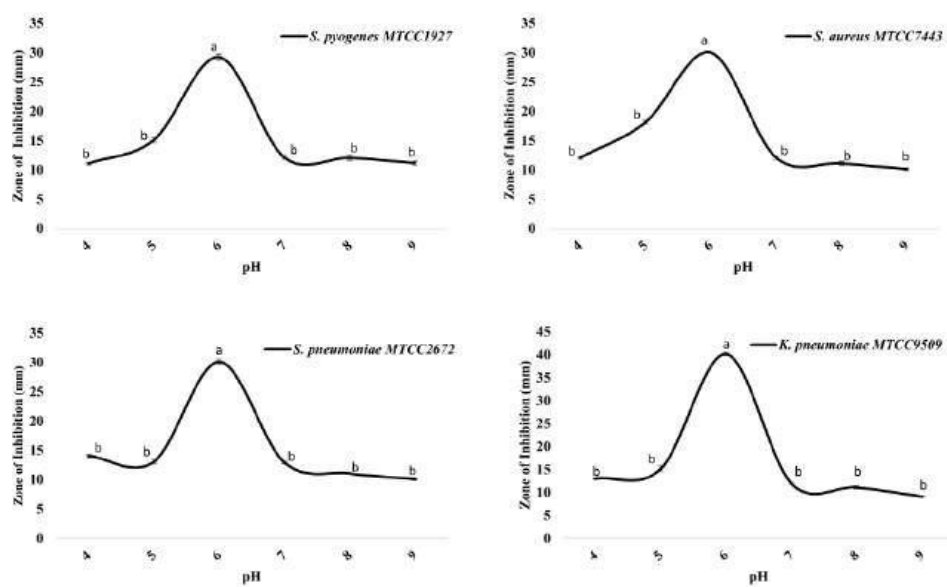


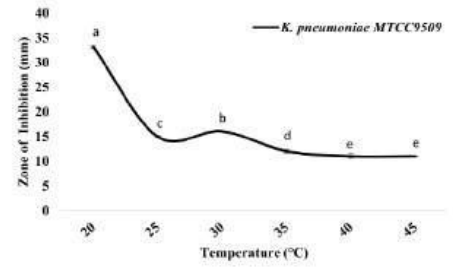
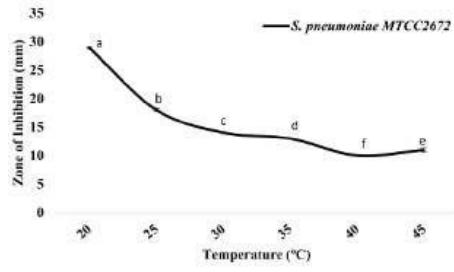
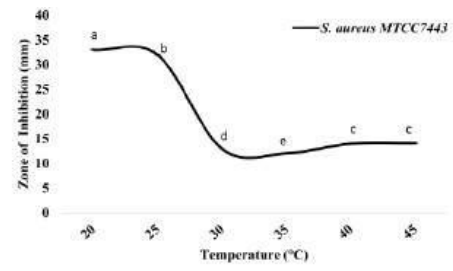
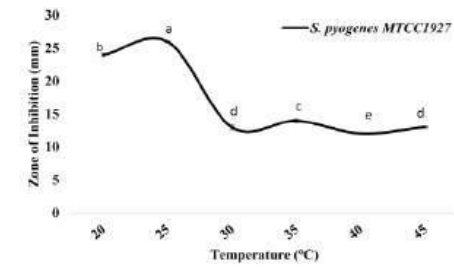
## Supplementary Information



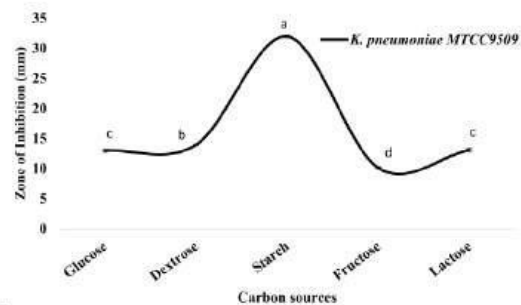
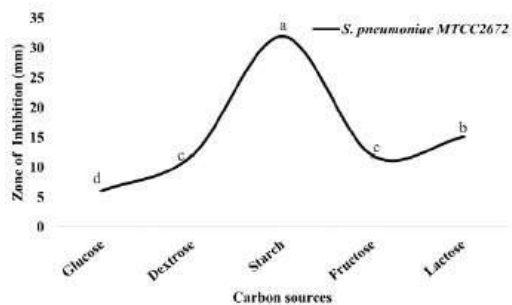
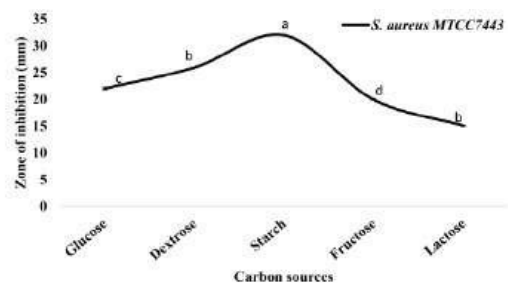
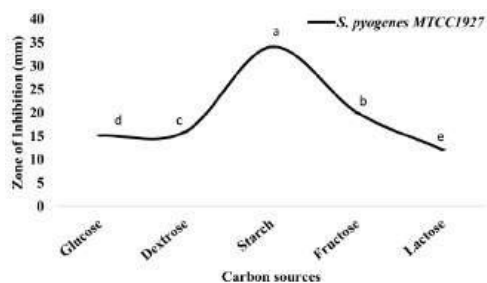
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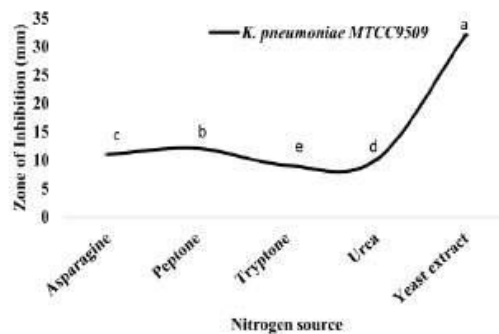
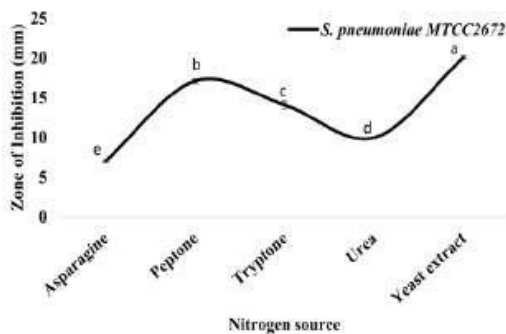
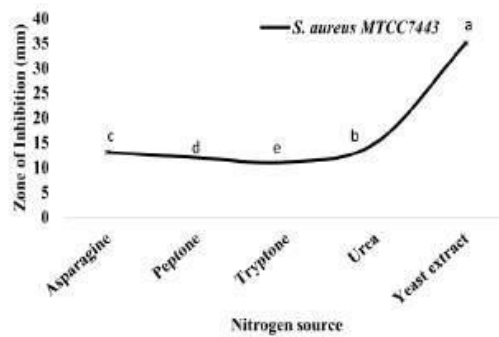
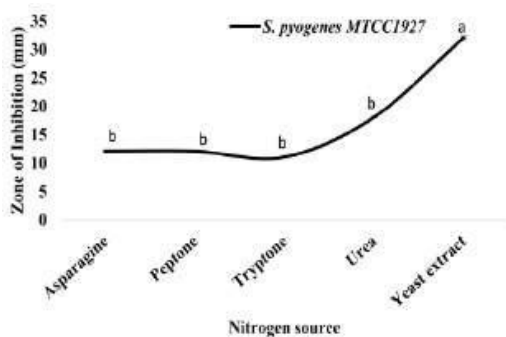
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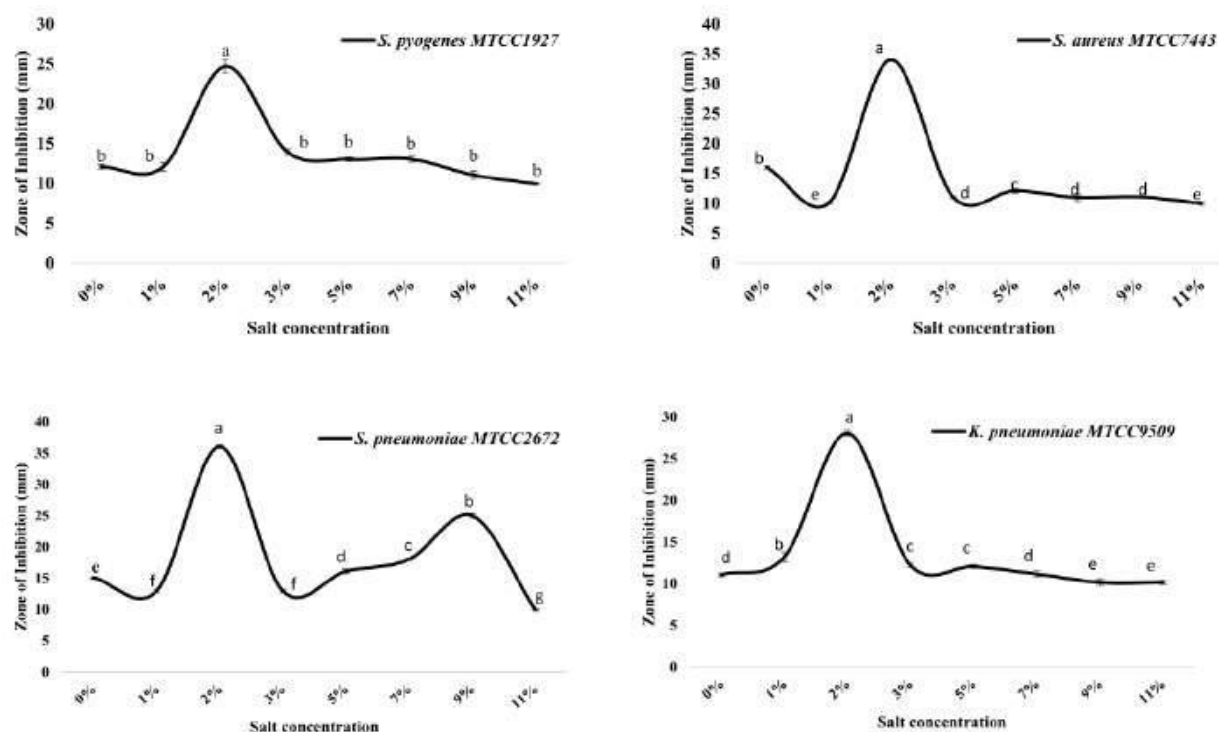
**B**



C



D



**E**

**Figure S1:** Optimization for the production of antibacterial secondary metabolites by isolate SZ33 (a) pH 6 (b) at 20°C (c) starch as the carbon source, (d) yeast extract as the nitrogen source, and (e) 2% salt concentration was found to be the most effective for the production of antibacterial secondary metabolites against all tested pathogens (Supplementary Material)