



Supplementary Material

Effects of Rice Growth Stages on the Composition and Functional Potentialities of Rhizosphere Bacterial Community in Coupled Rice-Crab System

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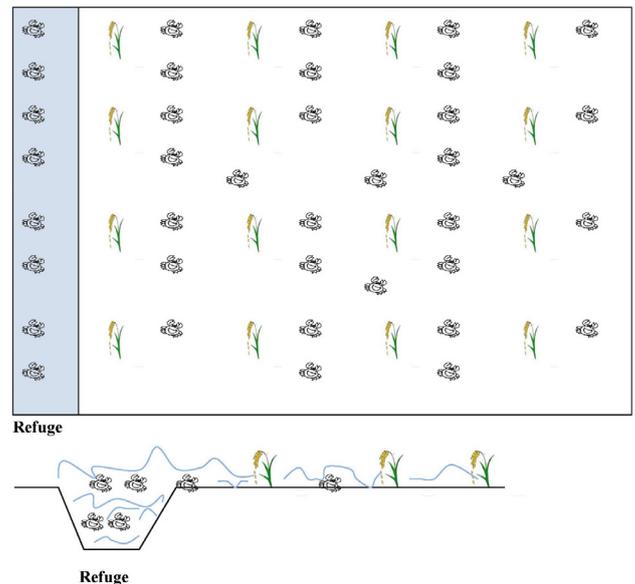
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Supplementary Table SI. Mantel test for correlation between soil chemical properties and bacterial communities.

| DM1 | DM2 | Mantel statistic | p value |
|----------------|----------------------------|------------------|---------|
| species_matrix | chemical properties_matrix | 0.27691 | 0.055 |

Supplementary Table SII. Numbers for high quality reads and OTU in the rizosphere soil of coupled rice-crab system.

| Amplified region | Samples | High quality reads | OTU |
|------------------|---------|--------------------|------|
| TS, JS, HS, MS | 12 | 444882 | 6637 |



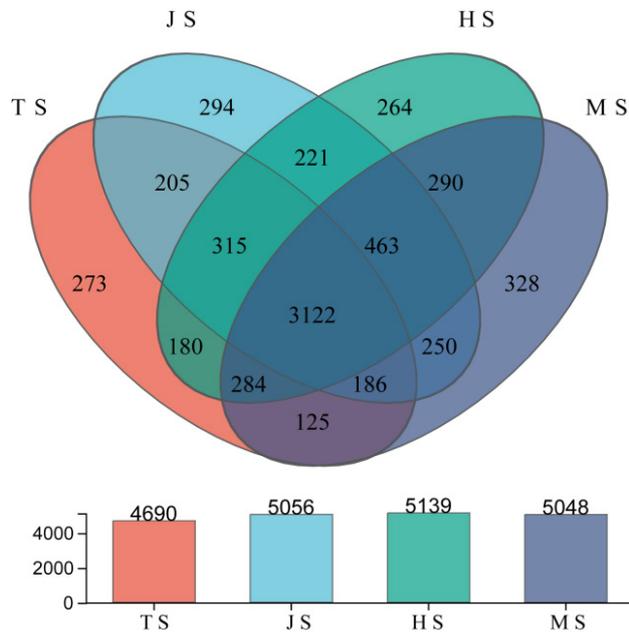
Supplementary Fig. S1. Schematic diagram of coupled rice-crab system in this study.

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0030-9923/2024/0001-0173 \$ 9.00/0

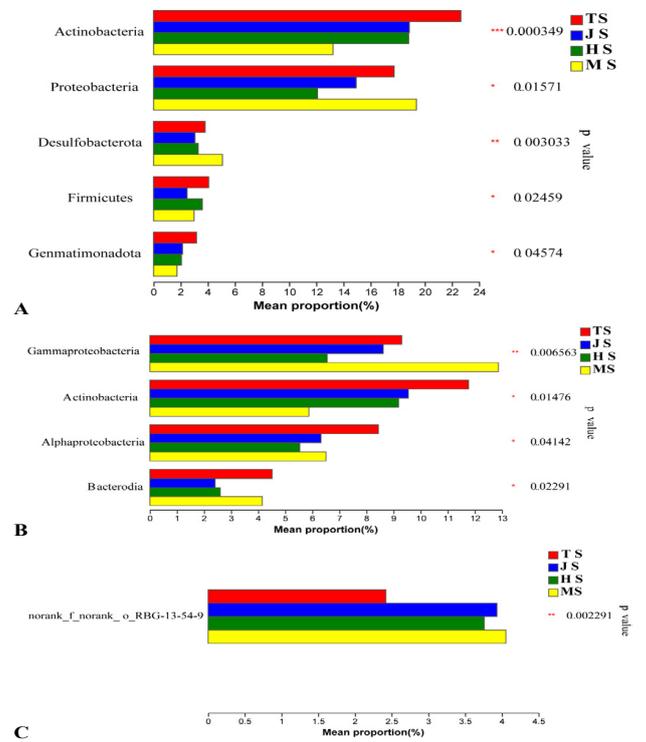


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Supplementary Fig. S2. Venn diagram of bacterial OTUs in rhizosphere soil at four different stages in the coupled rice-crab system. TS, tillering stage; JS, jointing stage; HS, heading stage; MS, maturity stage.



Supplementary Fig. S3. One-way analysis of variance for composition of rhizosphere bacterial communities at the four stages. A, B and C, represent phylum, class and genus level of bacteria, respectively.