Inoculating Assembling Harvesting (a) Roots: - 16S rRNA - Calcined clay gene profiling - Plant growing - mRNA-Seq medium - Rice seeds Leaves: - mRNA-Seq 7 days 14 days Germination Microbiome assembly (b) Soil-inoculated Biggs $\overline{\mathbb{S}}$ Arbuckle Mock-inoculated Davis