Figure S1. Relative abundance of 12 ASVs present in all samples in different tissues of leafhopper *R. dorsalis* at different developmental stages. Circle area corresponds to relative abundance of bacteria in each sample. N1, N2, N3, N4, N5, A refer to 1st-instar nymphs, 2nd-instar nymphs, 3rd-instar nymphs,4th-instar nymphs, 5th-instar nymphs and adults, respectively. Mg, midgut; Mt, Malpighian tubule; Sg, salivary gland.
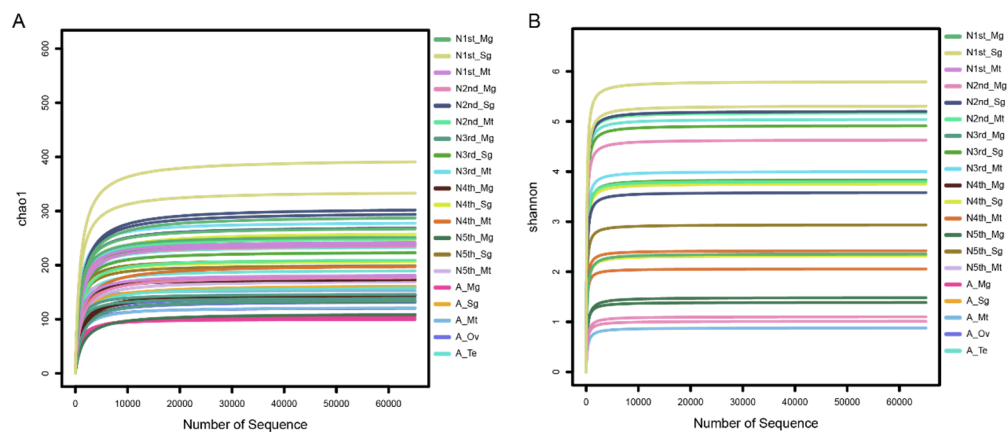

Figure S2. Rarefaction curves showing bacterial richness based on the Chao1 index (**A**) and bacterial richness and evenness on the Shannon index (**B**).
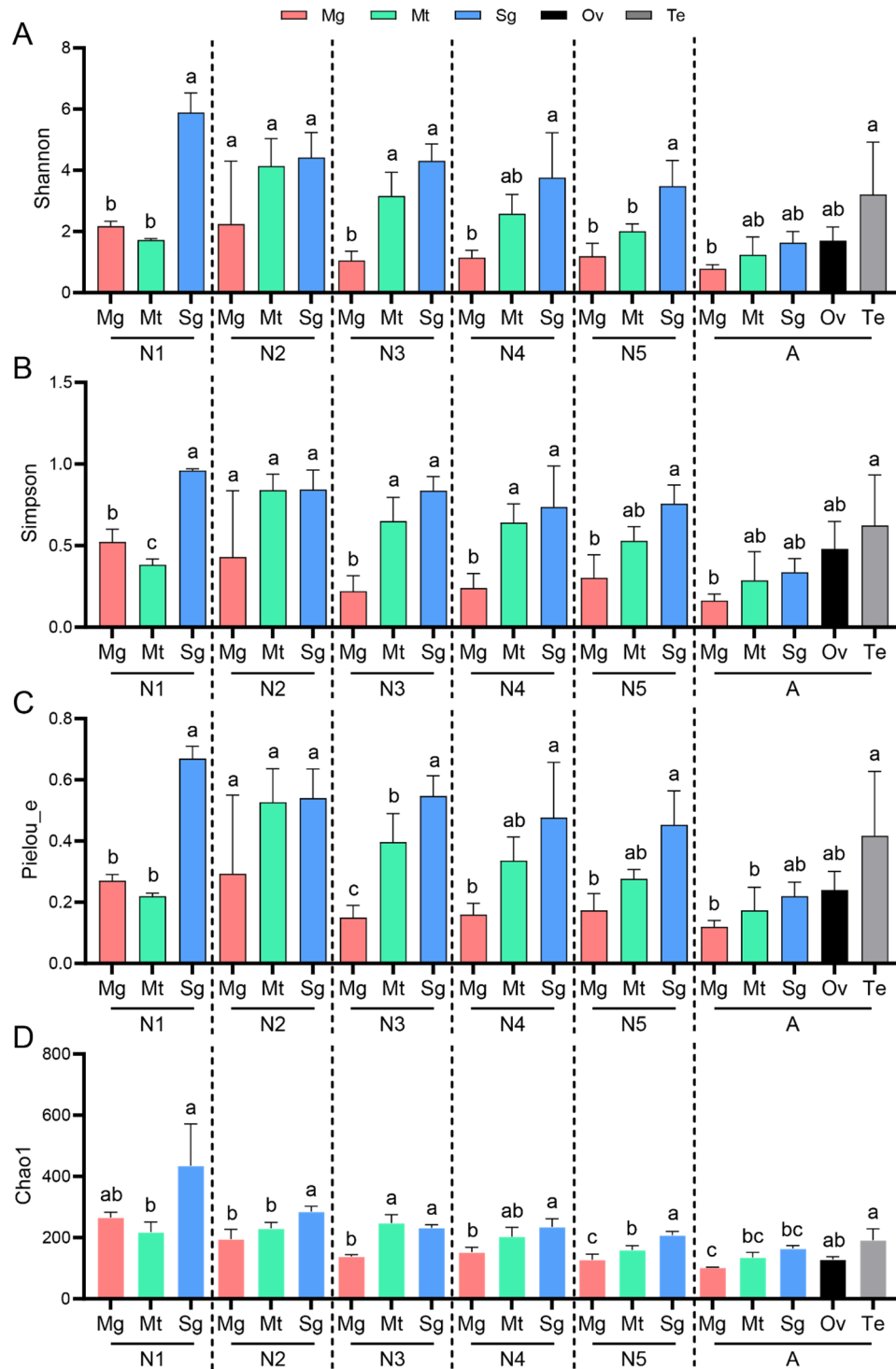
Figure S3. Analysis of alpha diversity among different tissues of leafhoppers at the same developmental stage. Shannon (**A**) and Simpson (**B**) indexes represent the species diversity, Pielou_e (**C**) index represents species evenness, Chao1 (**D**) species indexes represent species richness. Each bar represents the mean ± standard error of three replicates. Different lowercase letters indicate significant differences (ANOVA, p < 0.05). N1, N2, N3, N4, N5, A refer to 1st-instar nymphs, 2nd-instar nymphs, 3rd-instar nymphs,4th-instar nymphs, 5th-instar nymphs and adults, respectively.