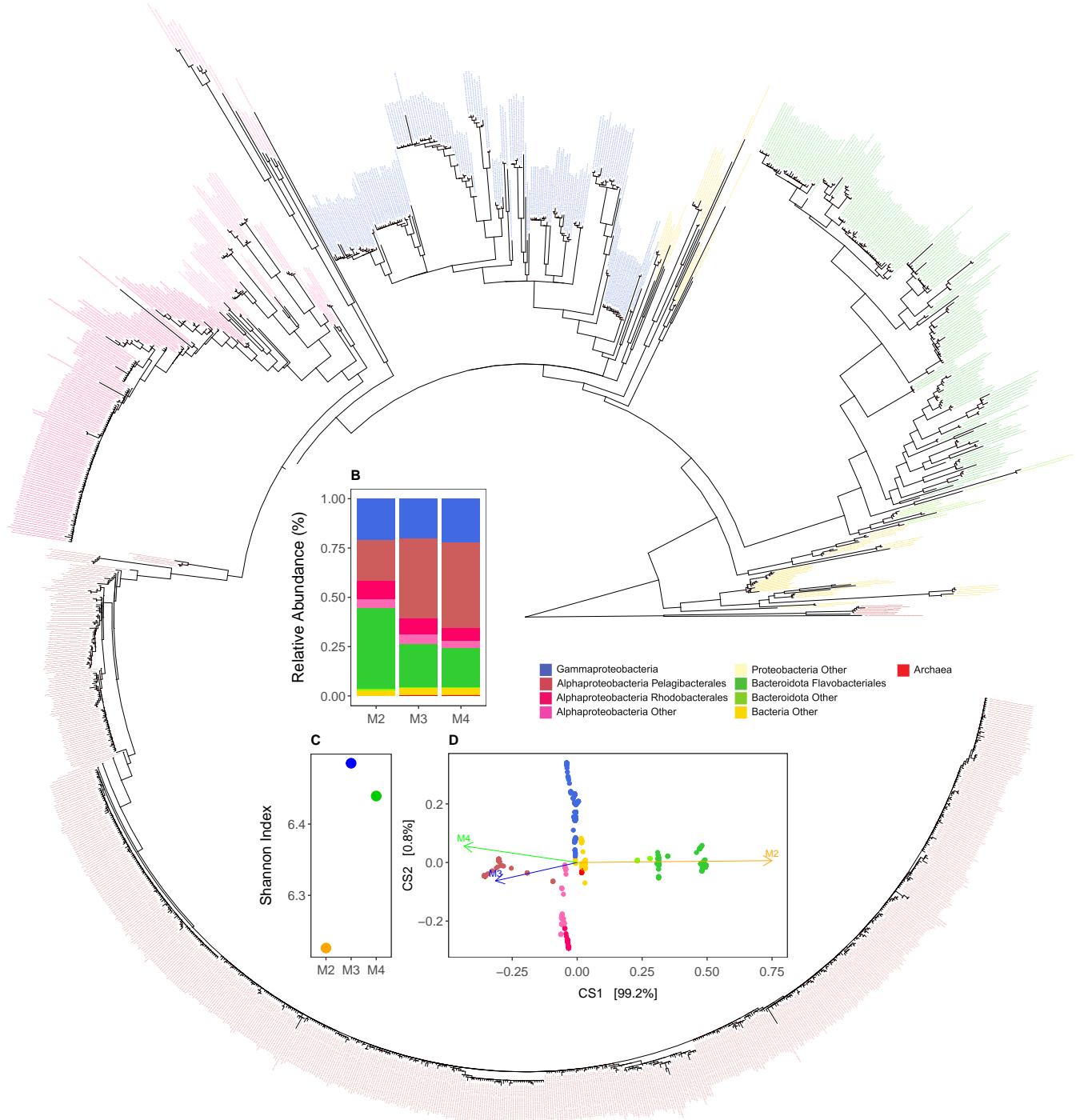
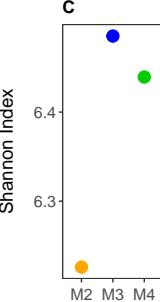


# Supplementary Fig. 5

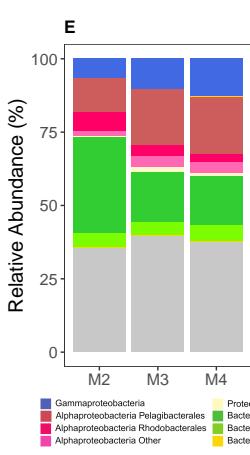
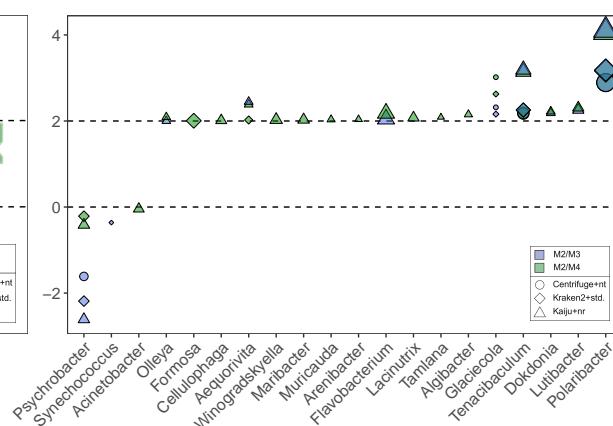
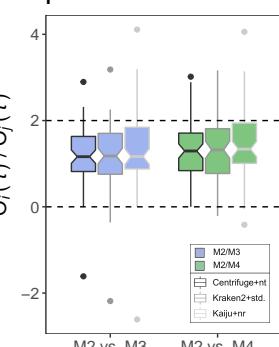
A



Shannon Index



F



$$\log_2 \frac{O_i(s)}{O_i(t)} / \log_2 \frac{O_i(t)}{O_i(s)}$$

Archaea  
Other  
Unsigned

Bacteroidota Other  
Bacteroidota Flavobacteriales  
Bacteria Other