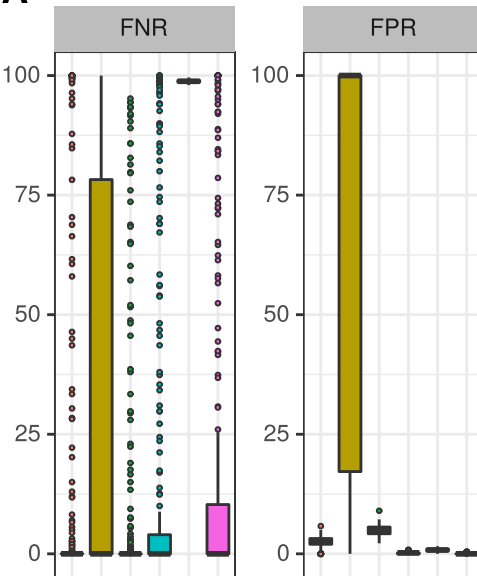
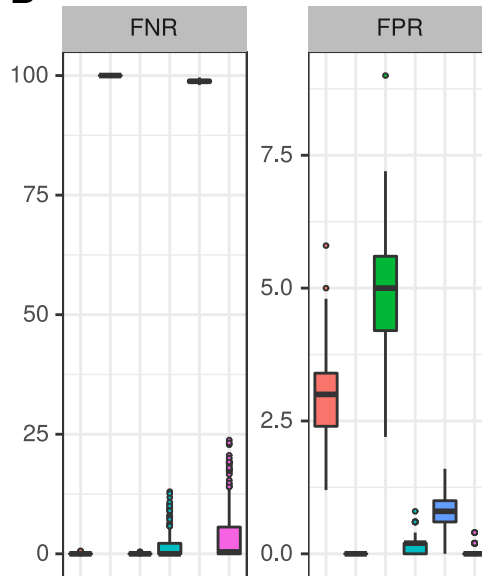


A

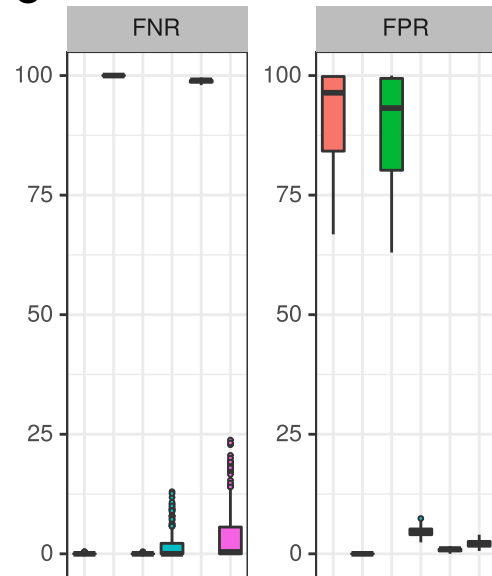
different mean (log scale)

**B**

different standard deviation (log scale) in class

**C**

different standard deviation (log scale) in subclass



methods ANCOM KW metagenomeSeq
ANCOMBC LEfSe mp_diff_analysis