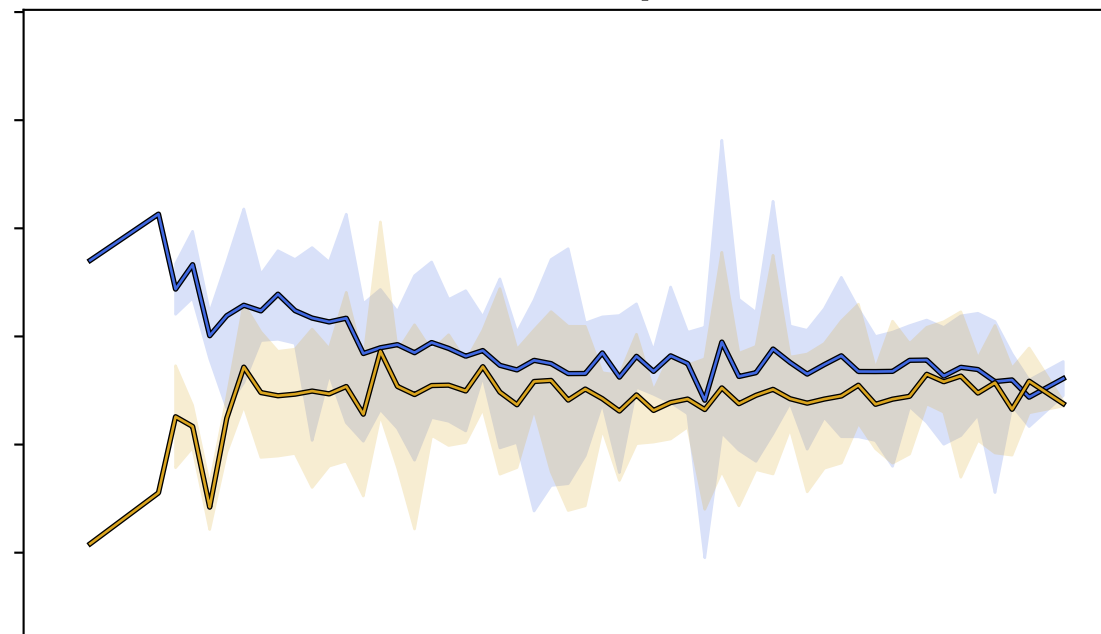
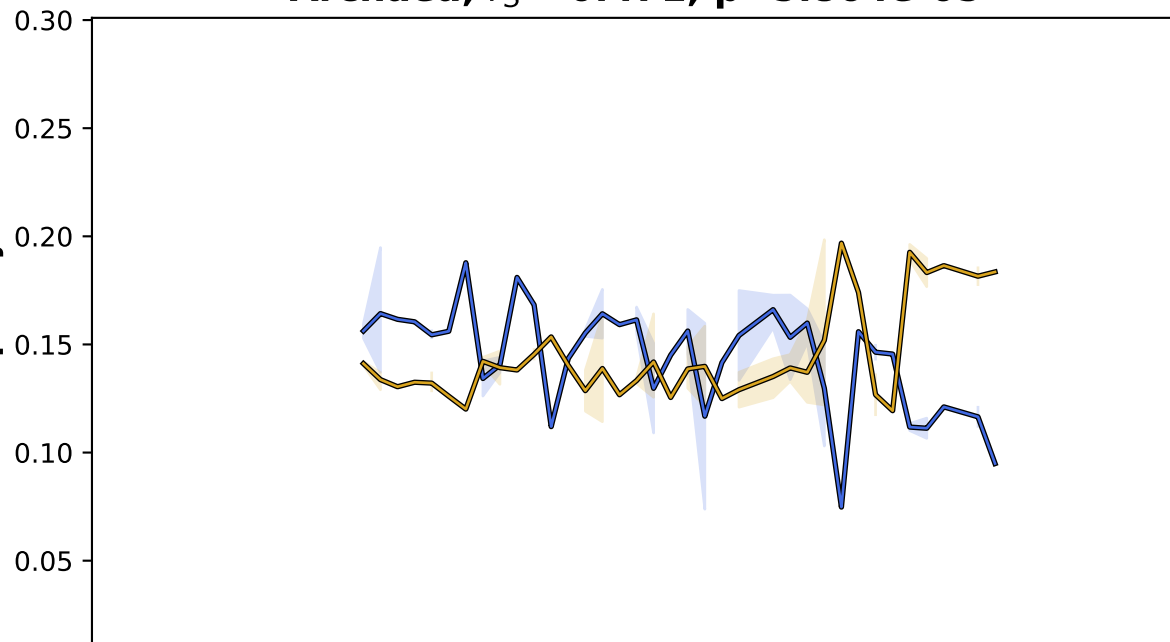


# Frequencies of charged amino acids per GC content

**Archaea,  $r_S = -0.471$ ,  $p = 5.864e-05$**

**Bacteria,  $r_S = 0.243$ ,  $p = 1.436e-10$**

Frequency

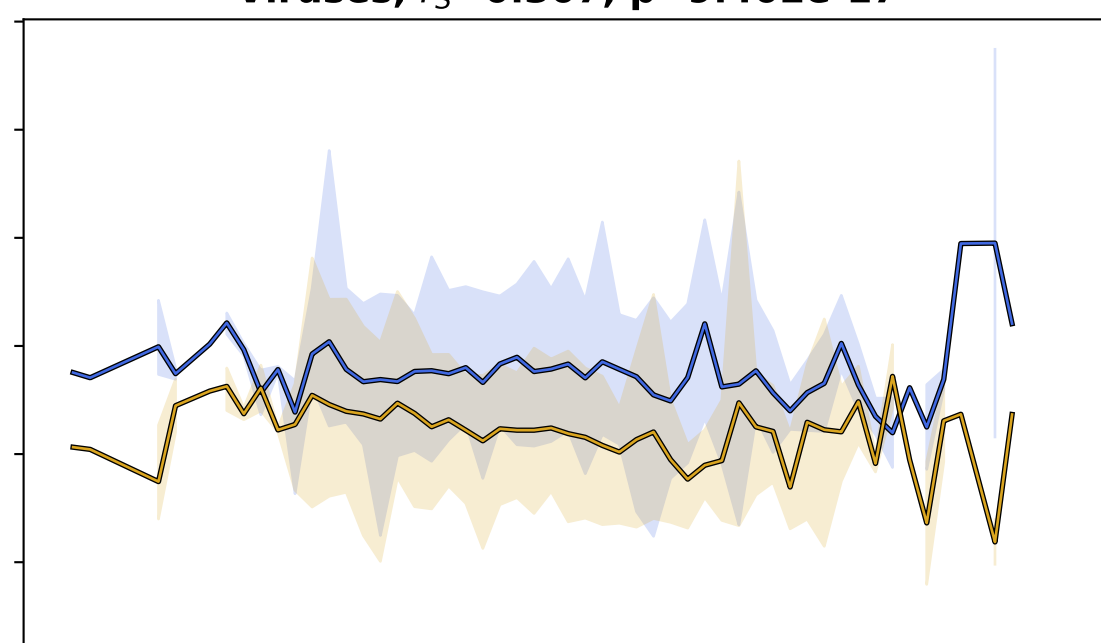
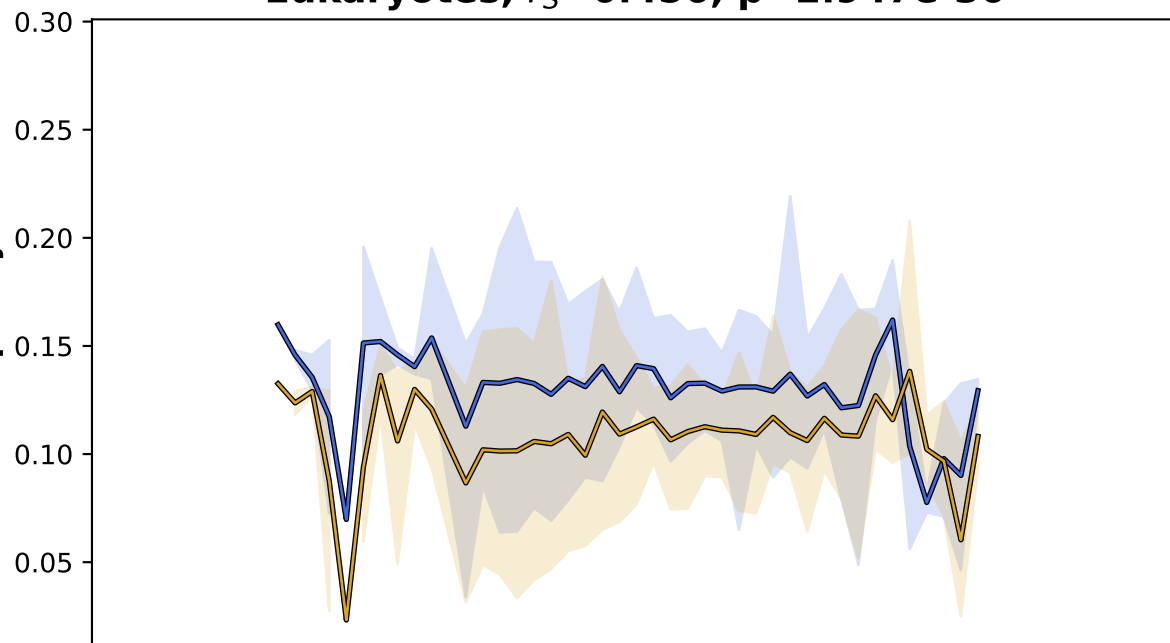


Positively charged AA  
Negatively charged AA

**Eukaryotes,  $r_S = 0.456$ ,  $p = 2.947e-30$**

**Viruses,  $r_S = 0.307$ ,  $p = 9.402e-17$**

Frequency



GC content

GC content