Genera Validation Sample Analysis

a. *Akkermansia*

b. *Anaerostipes*

c. *Butyricicoccus*

d. *Coprococcus*

e. *Parabacteroides*

f. *SMB53*
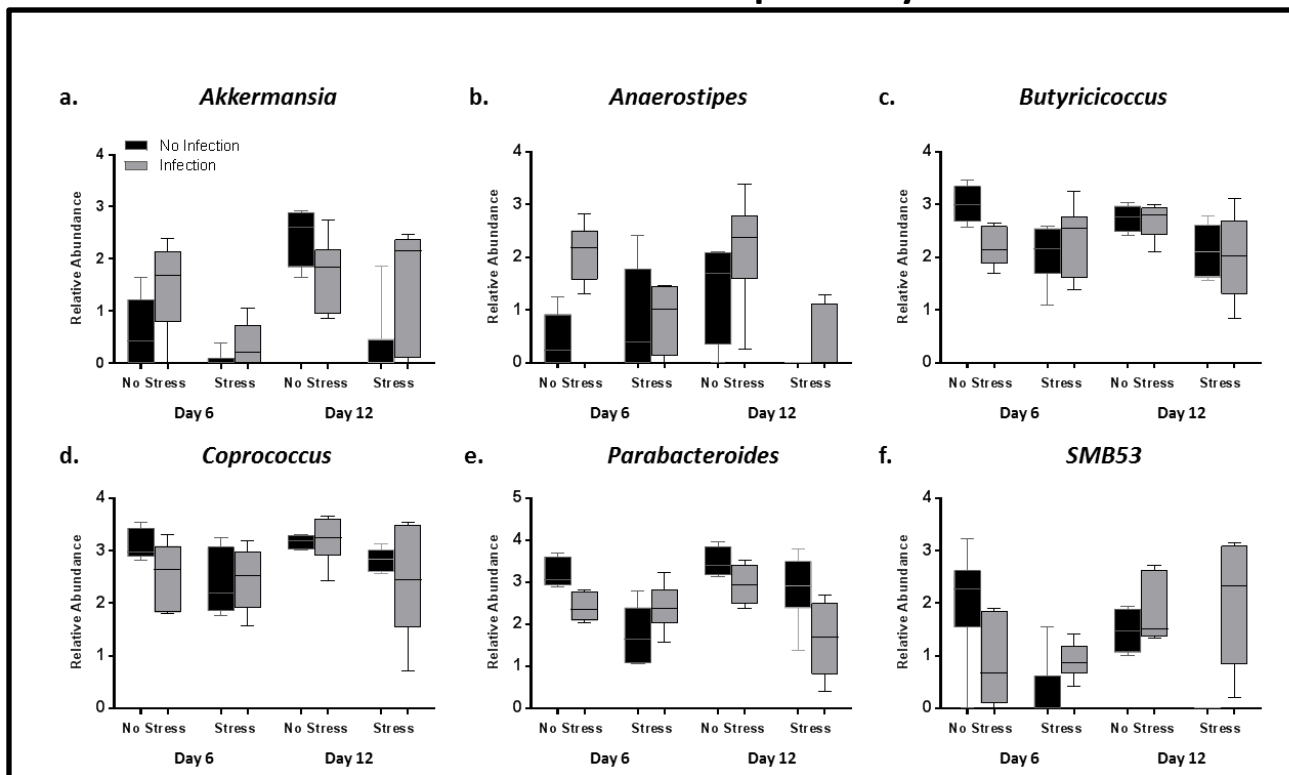
Abundances decreased with stress and infection

g. *Bacteroides*

h. *Butyricimonas*
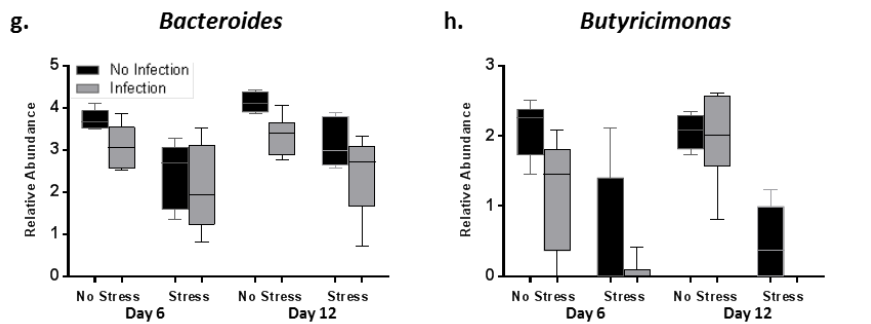
Abundances increased with stress

i. *Odoribacter*

j. *Sutterella*