A) Tauro-CA and Glyco-CA are converted to Cholic Acid by BSH, which is then converted to Deoxycholic acid by Baicascaid.

B) Fold change = 2.10, p value = 0.141

C) Fold change = 1.49, p value = 0.762

D) Scatter plot showing correlation between Log2(Relative Abundance) of Fusobacterium pseudoperiodonticum and Cholic Acid. R = 0.56, p value = 5.05E-04

E) Scatter plot showing correlation between Log2(Relative Abundance) of Bilophila wadsworthia and Deoxycholic Acid. R = 0.57, p value = 4.7E-04

Fusobacterium pseudoperiodonticum (fold change = 44.65, p value = 0.0328)

B. wadsworthia (fold change = 2.49, p value = 0.0277)