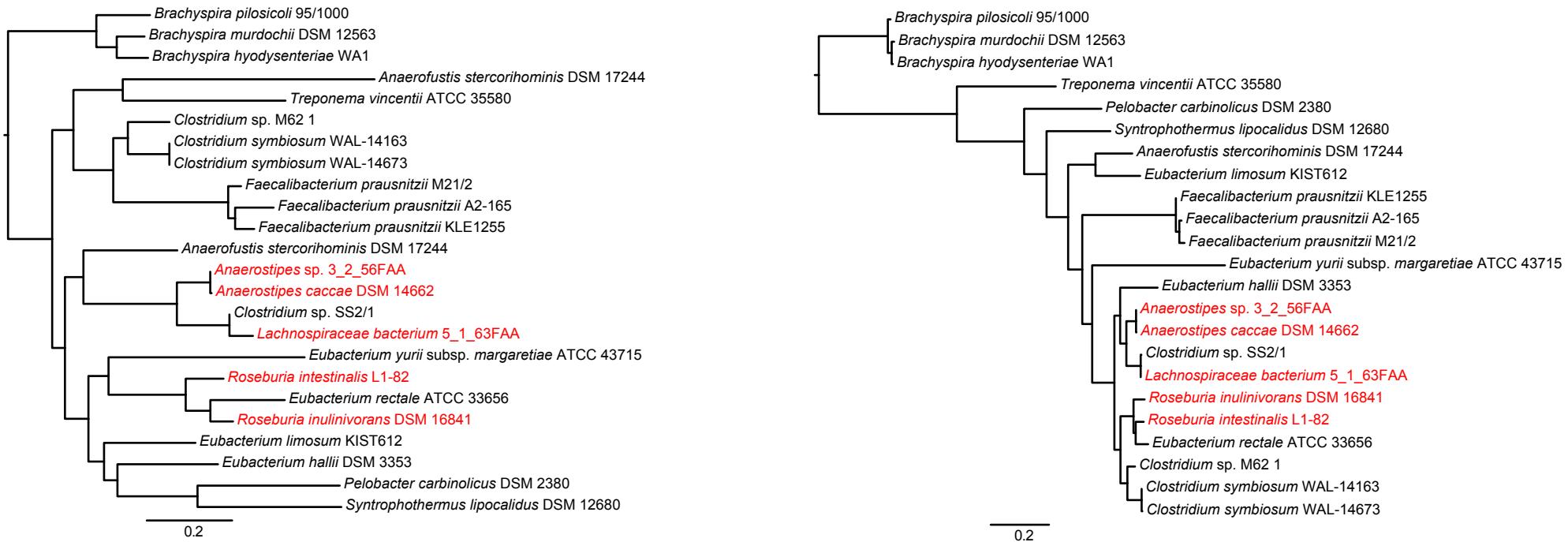
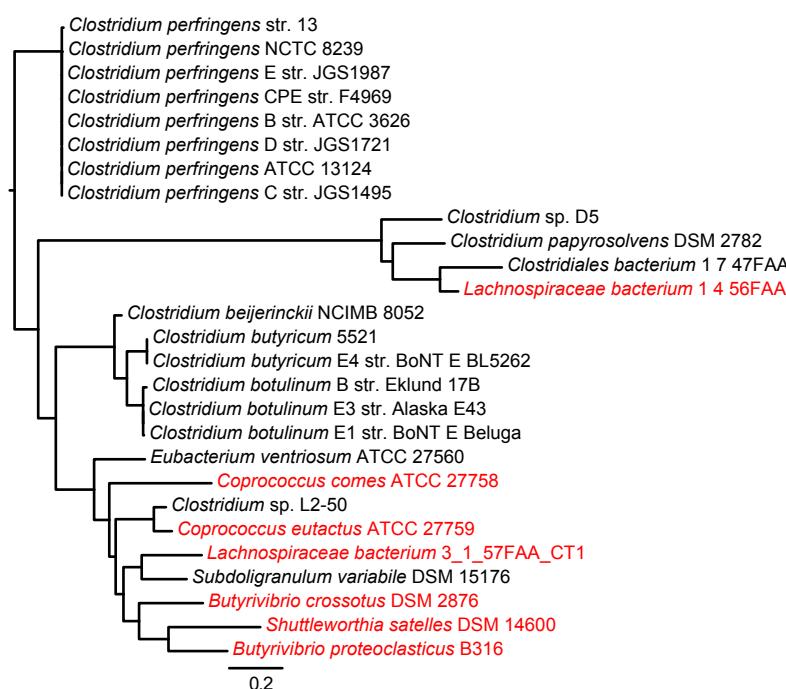


A) BCoAT

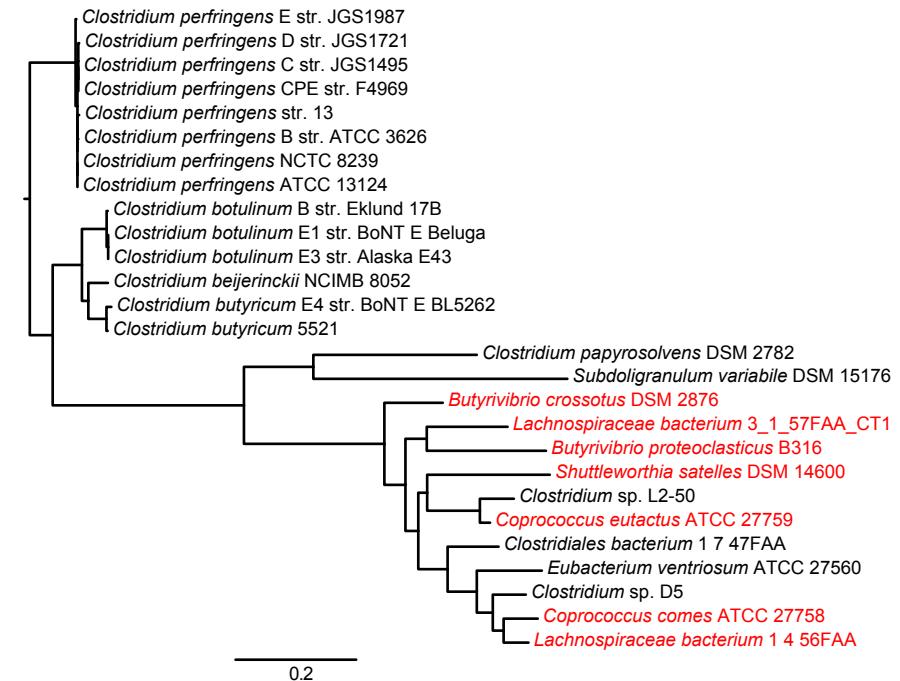


16S

B) Butyrate Kinase



16S



Supplementary figure 1 - Phylogenetic analysis of Lachnospiraceae-associated genes involved in the production of butyric acid and their associated 16S phylogenies.

The genes for butyryl-CoA:acetate CoA-transferase (A) and butyrate kinase (B) within Lachnospiraceae genomes were compared to 3,500 other prokaryotic genomes to find sources of potential LGT of these functions. Individual phylogenies were built using 16S sequences from genomes found to have the relevant butyrate-related gene and are displayed beside the BCoAT (A) and butyrate kinase (B) phylogenies. Lachnospiraceae members are highlighted in red.