

Abundance of Specific Bacterial Genera

The presence of specific bacterial genera can also be an indication of fecal contamination in water samples. Taxonomic assignment of groups of responsive probes on the PhyloChip provides insight into the number of different bacterial populations from specific genera that are present above a defined threshold in samples (Figure 8). Streptococcus was most abundant across sites.

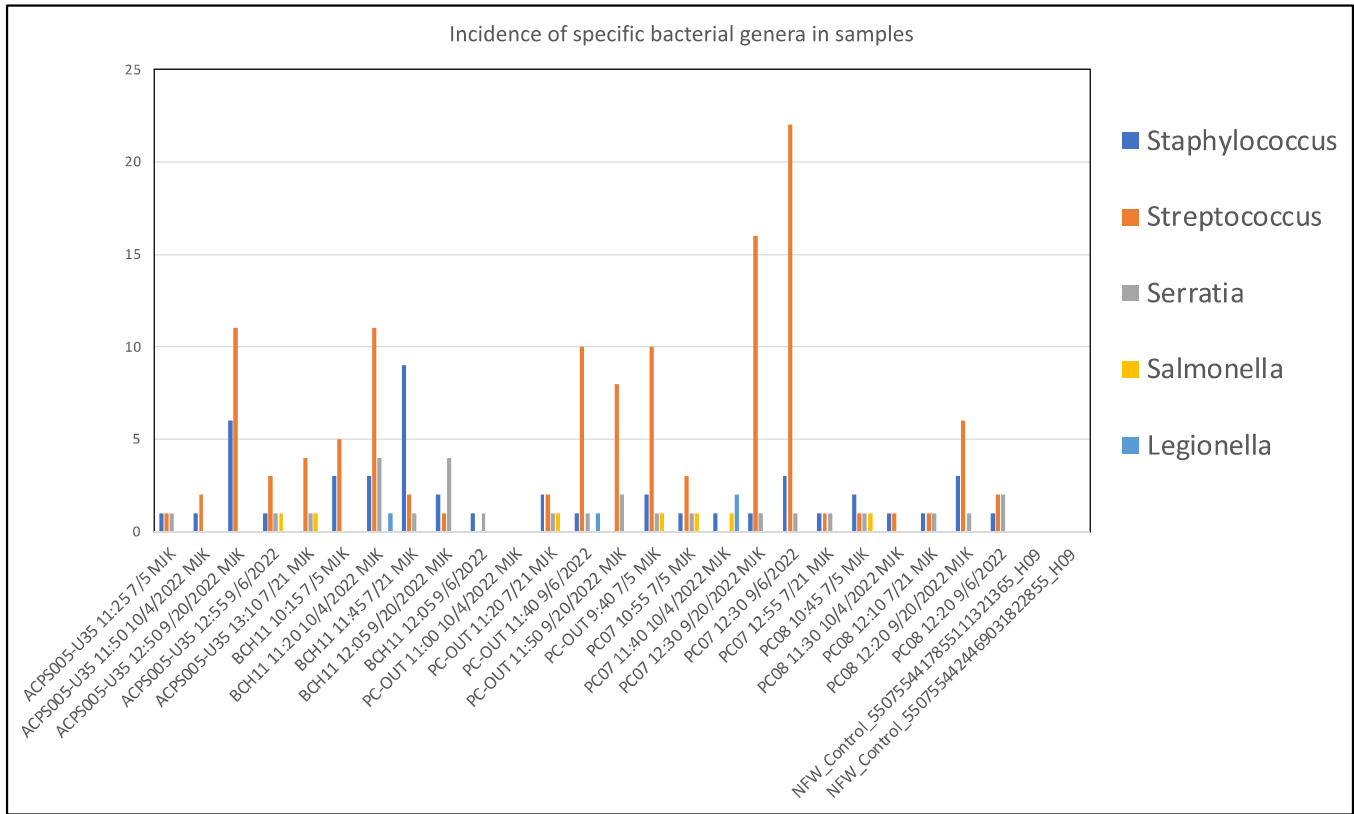


Figure 8. Occurrence of bacterial populations identified as belonging to specific genera sometimes associated with fecal impairment. Values shown are the total number of different OTUs belonging to the indicated genera in samples.