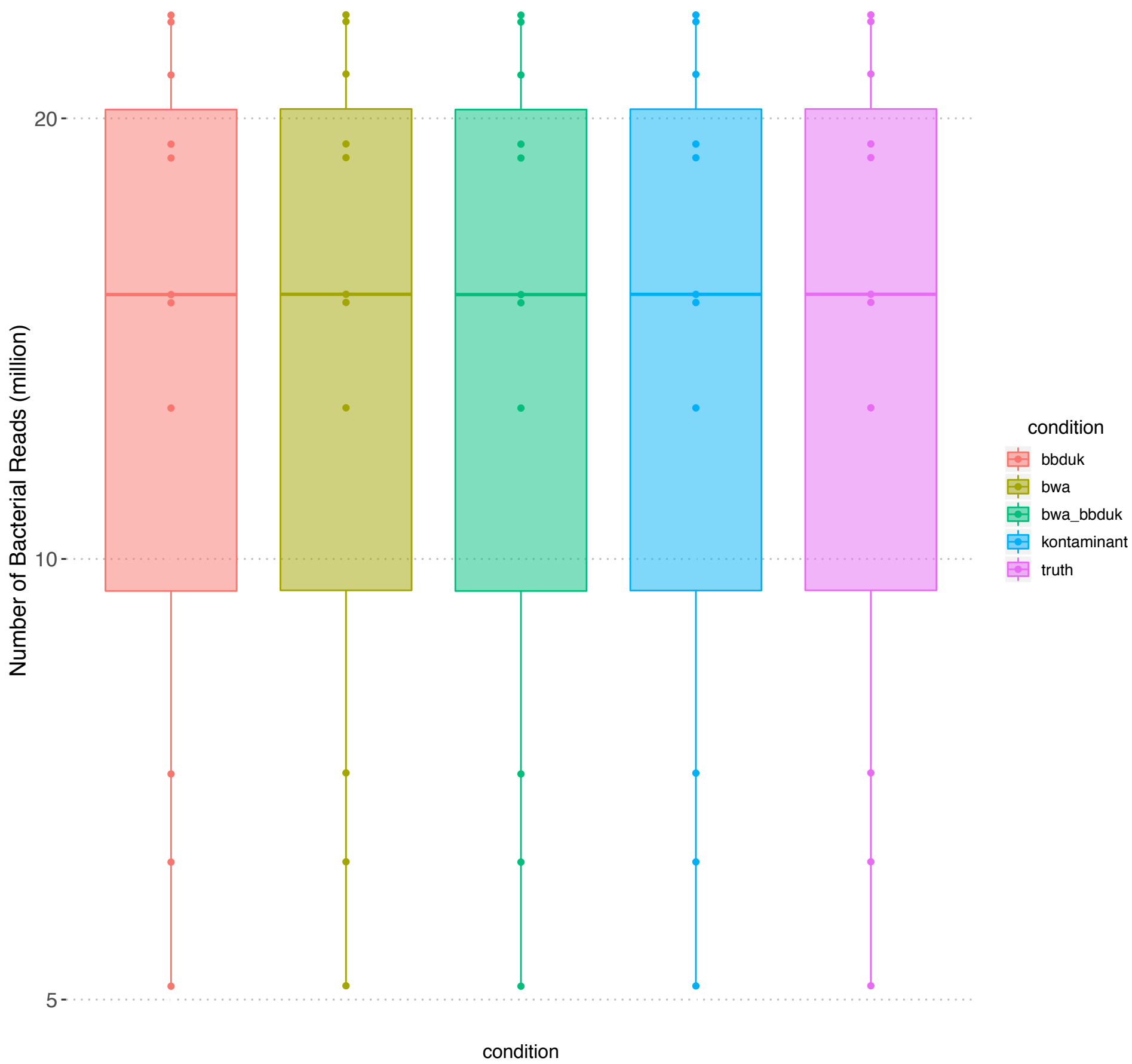
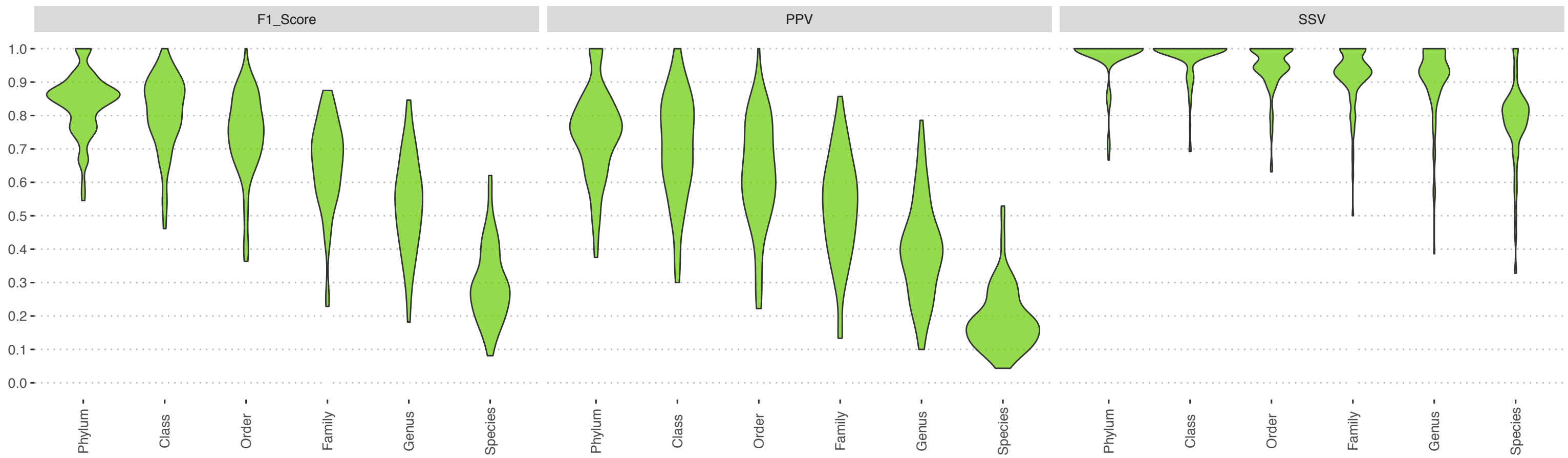


# Human Depletion – Bacterial Read Removal

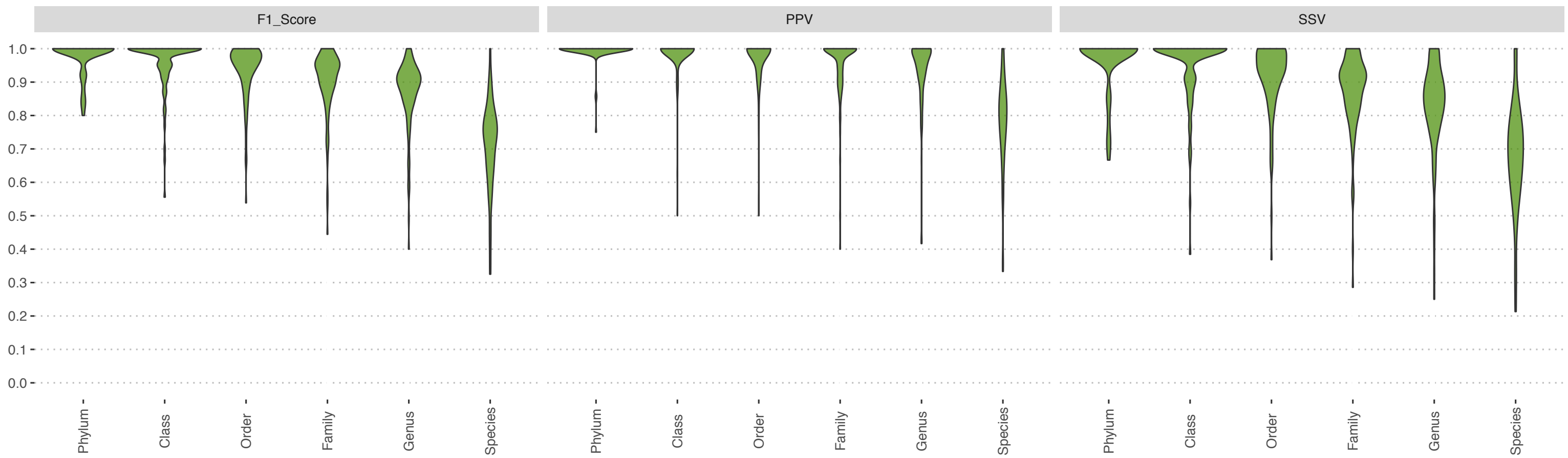


**A**

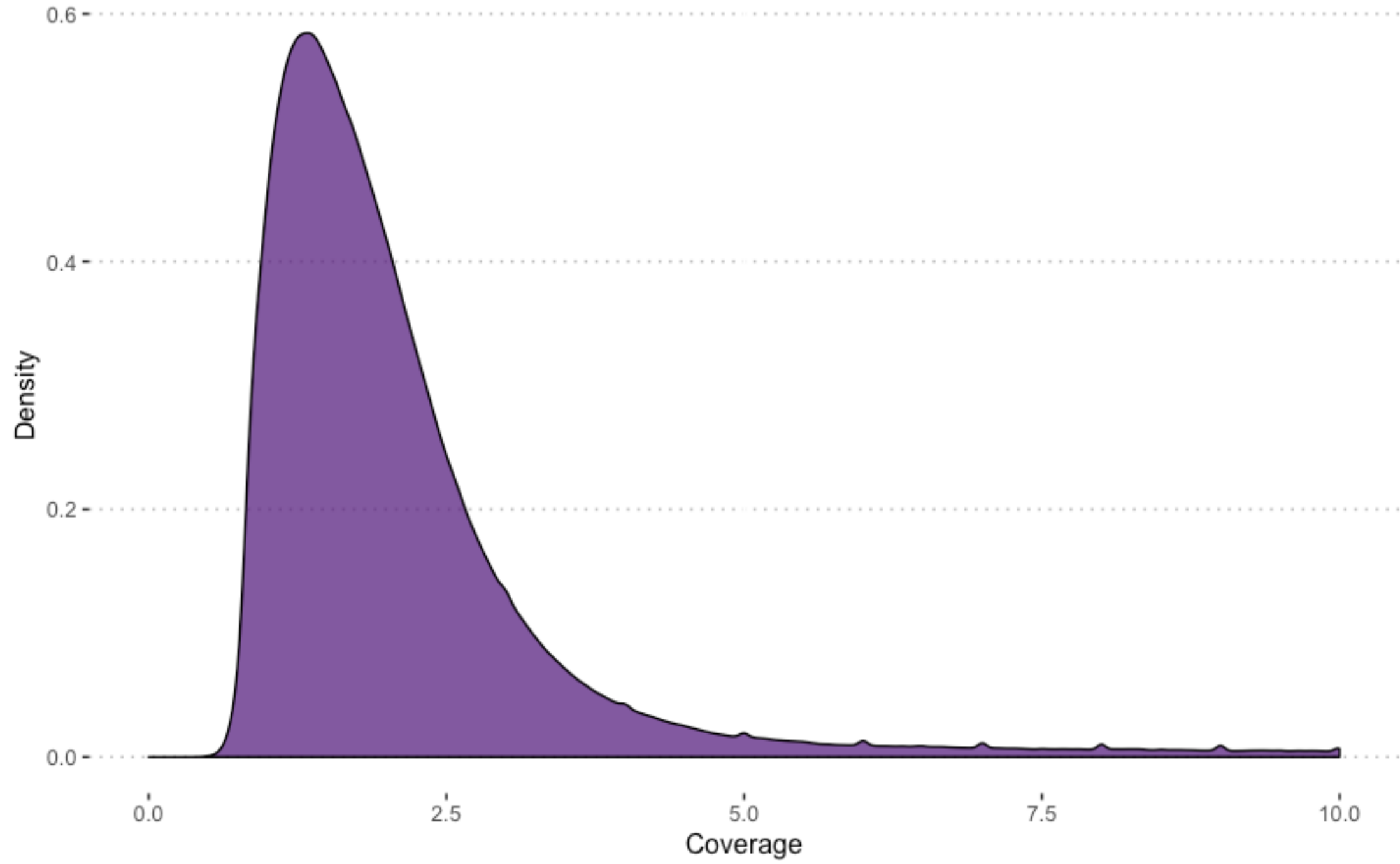
## Unfiltered Kraken

**B**

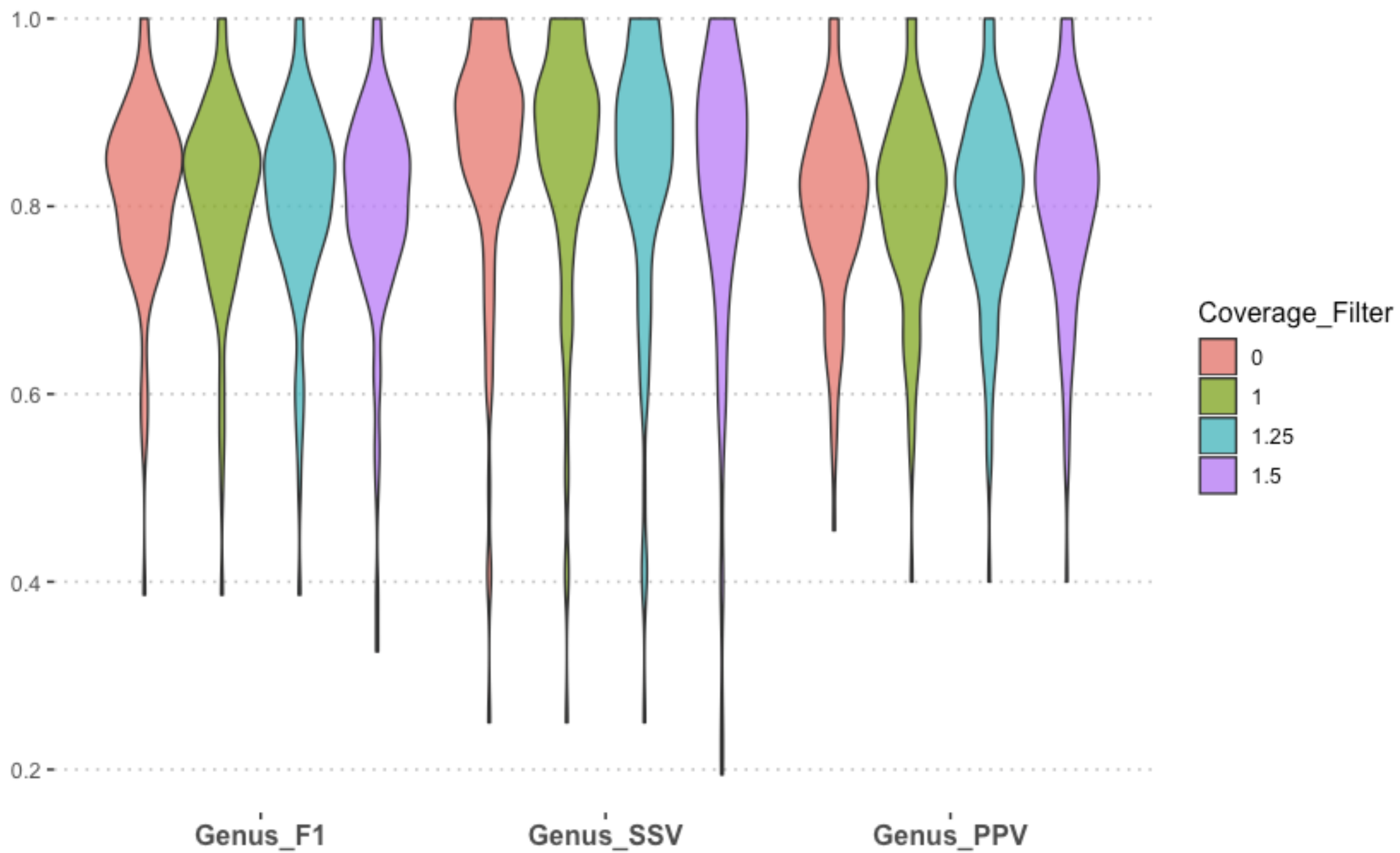
## Read Filtered Kraken (500 read minimum)



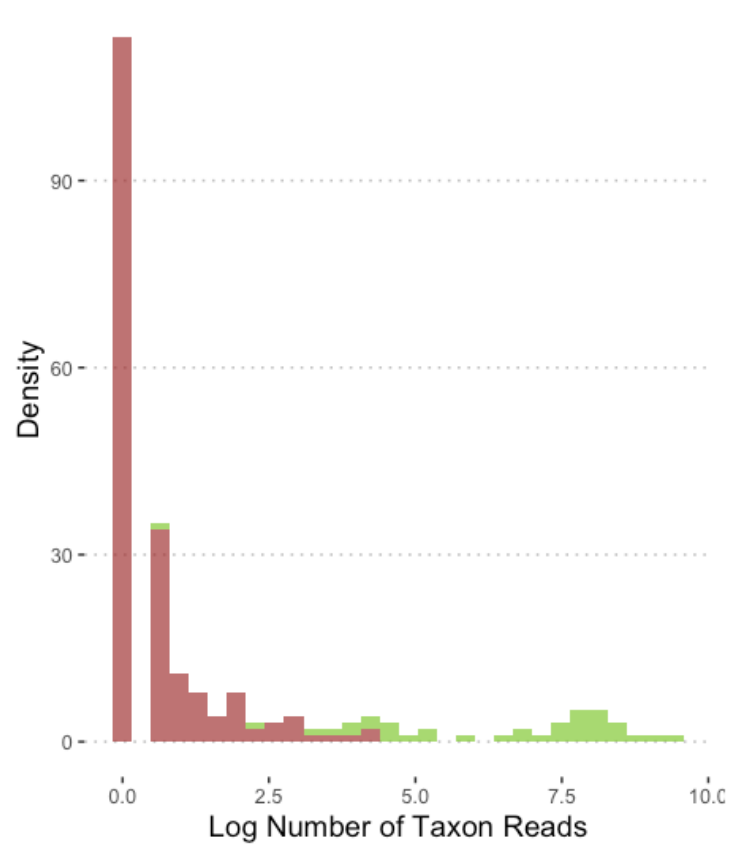
Contig Coverage Following MetaSPAdes Assembly  
n=99 simulated metagenomes



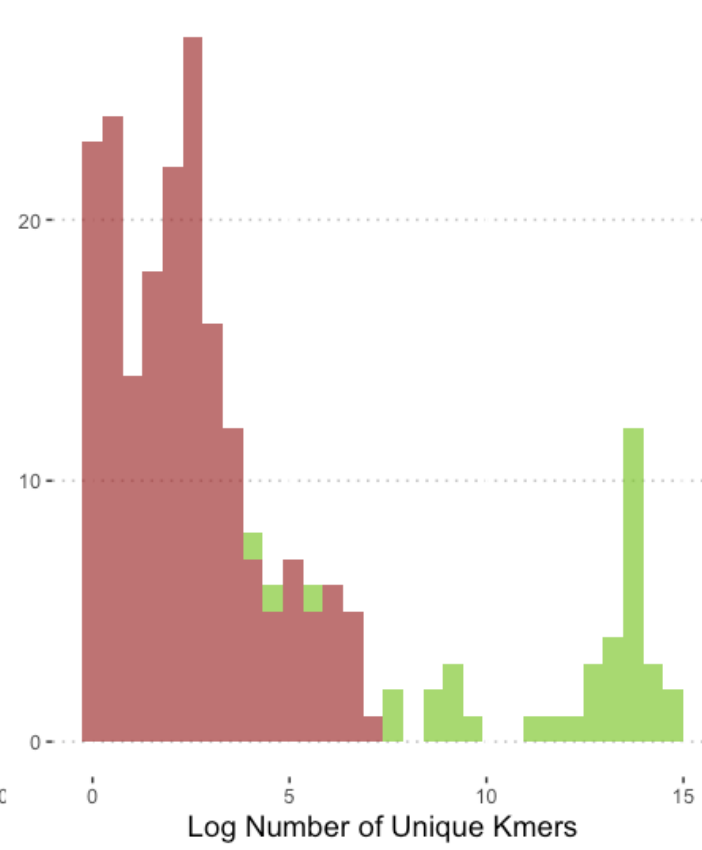
Spades Contig Coverage Threshold vs Genus Performance  
n=99 simulated metagenomes



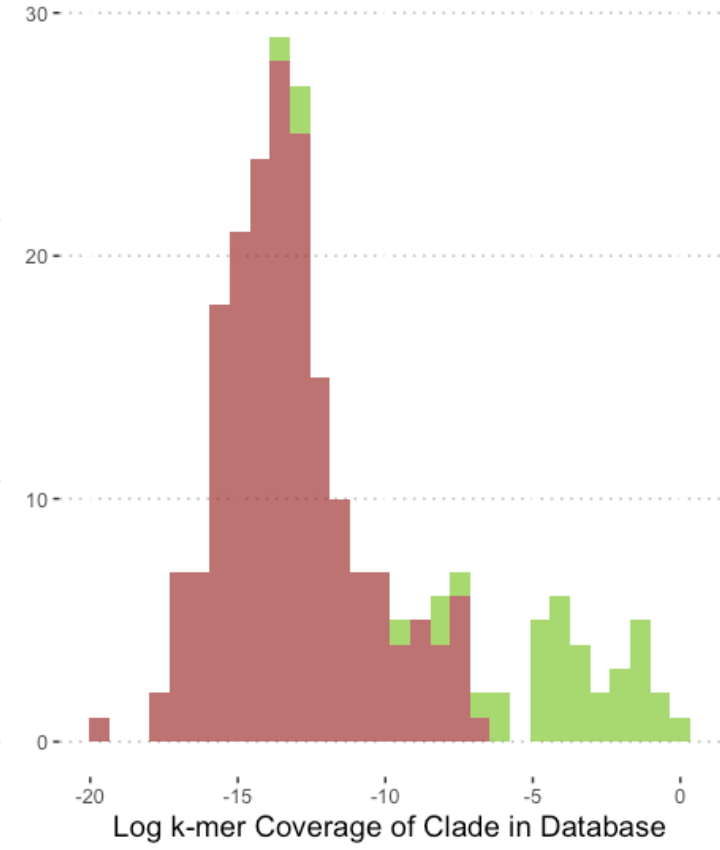
**A** Taxon Reads vs Classification Accuracy



**B** Unique Kmer Counts vs Classification Accuracy



**C** K-mer Coverage vs Classification Accuracy

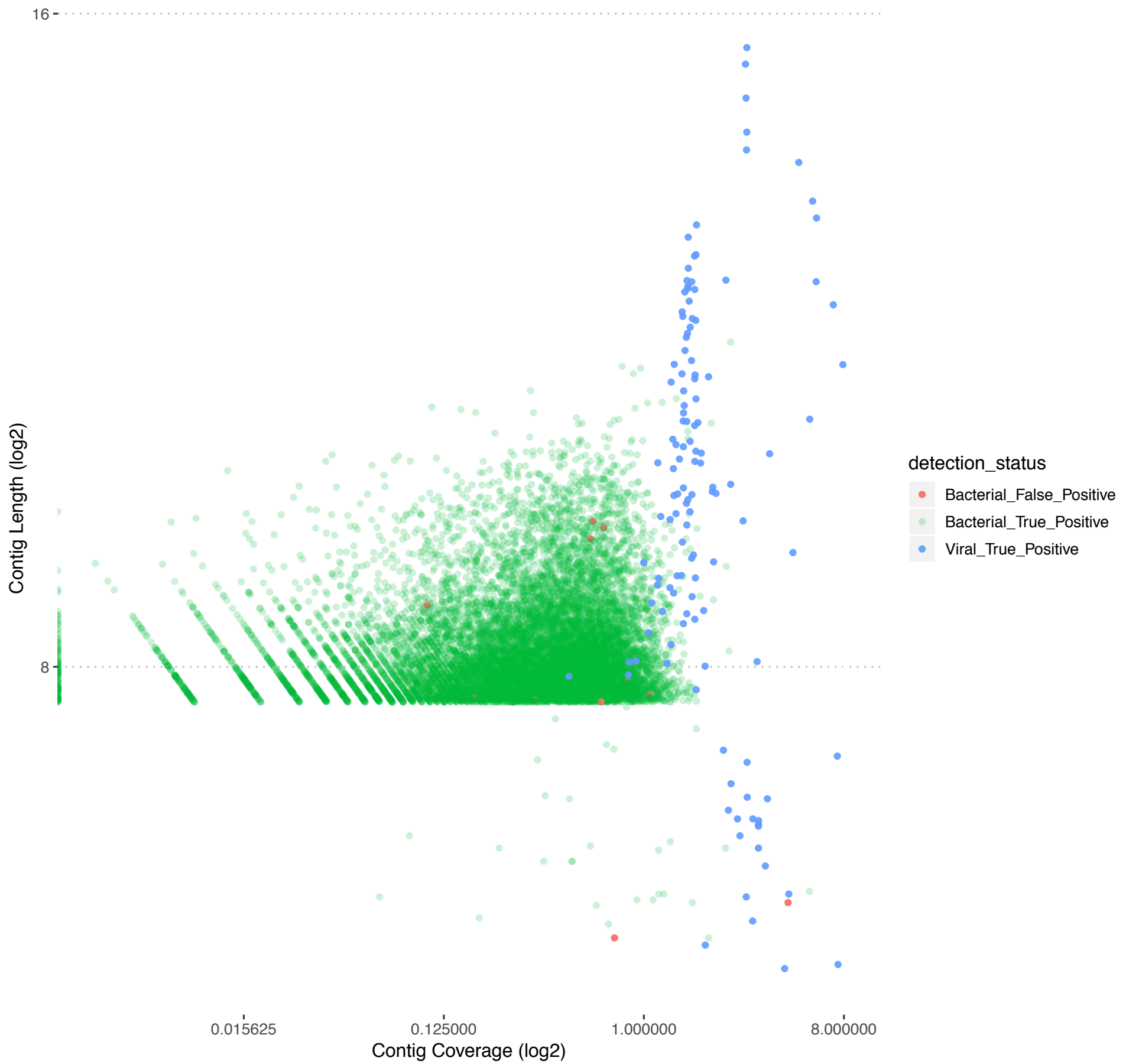


Result

- True Positive
- False Positive

# MetaSPAdes Contig Characteristics vs Kraken Detection Status

008v Dataset – 17693 Contigs – 0.2 Confidence – PPV = 0.826



# Simulated Metagenomes Summary

