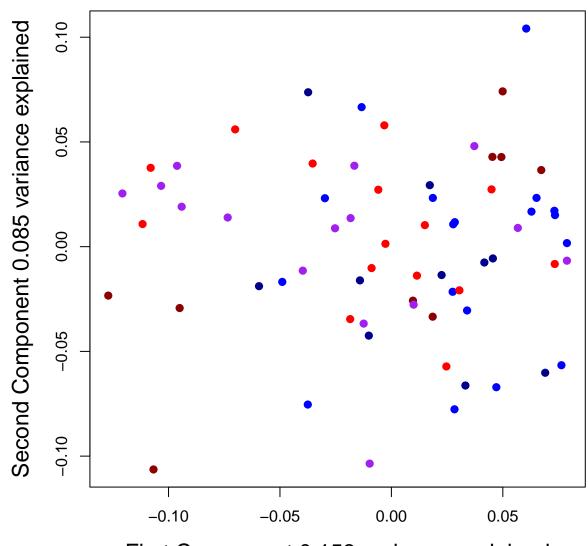
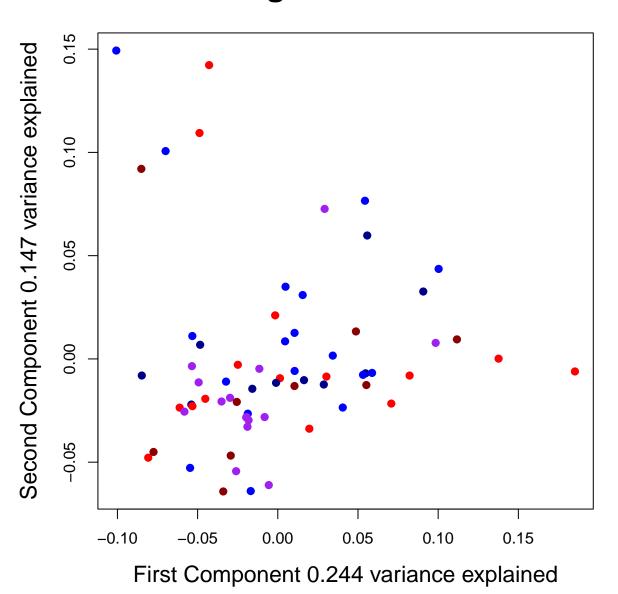
# **Unweighted UniFrac**



- Healthy
- Healthy Metagenomic
- NASH
- NASH Metagenomic
- SS

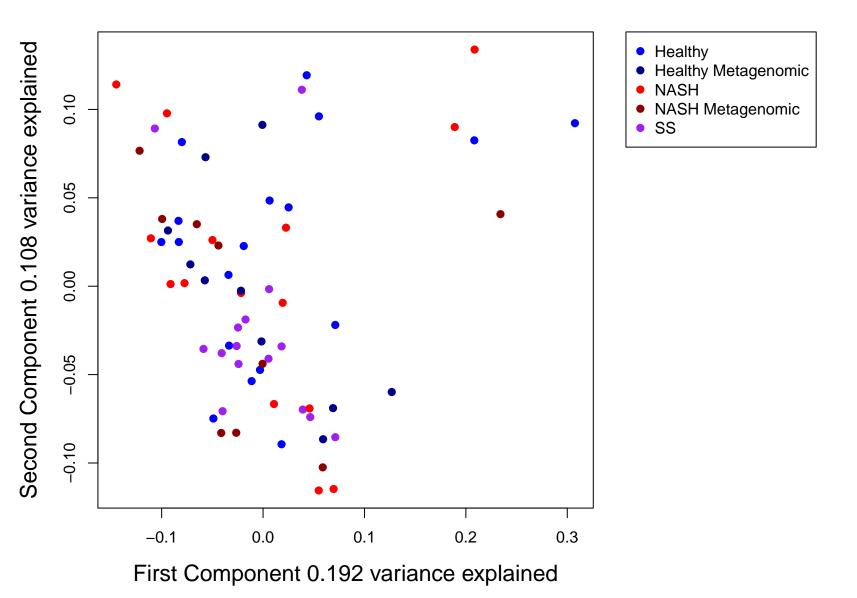
First Component 0.153 variance explained

## **Weighted UniFrac**

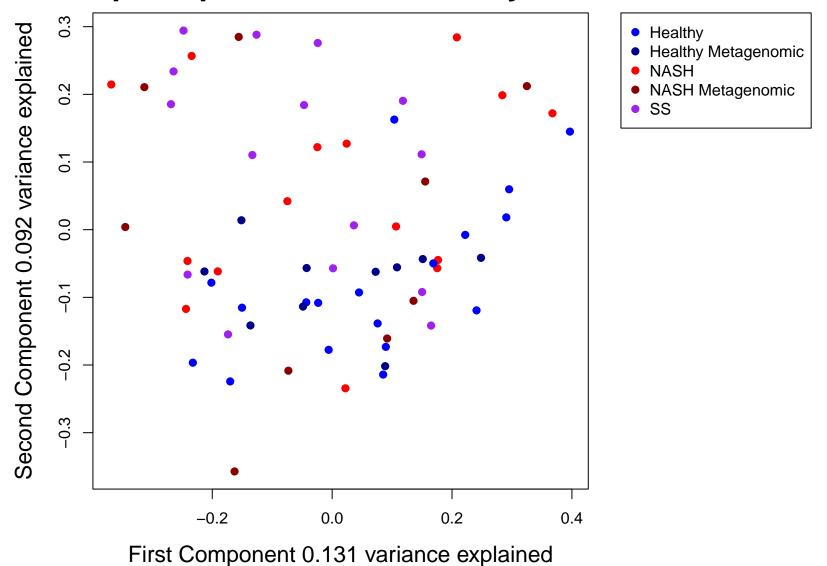


- Healthy
- Healthy Metagenomic
- NASH
- NASH Metagenomic
- SS

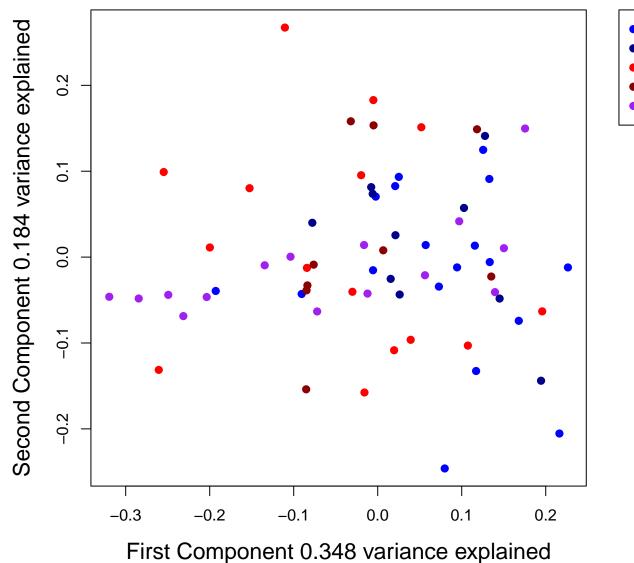
### **Information UniFrac**



# Centered Log Ratio UniFrac principal coordinates analysis

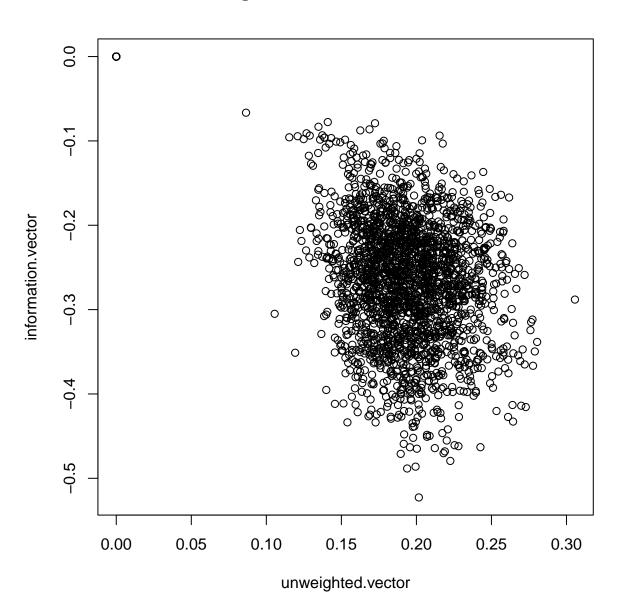


## **Ratio UniFrac**

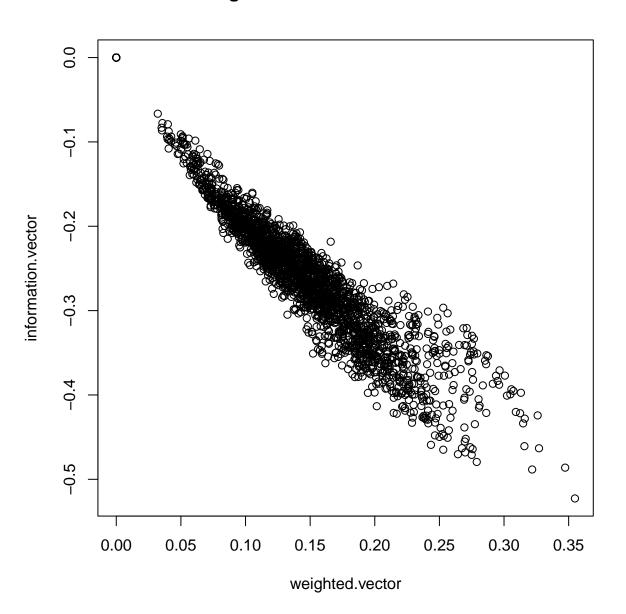


- Healthy
- Healthy Metagenomic
- NASH
- NASH Metagenomic
- SS

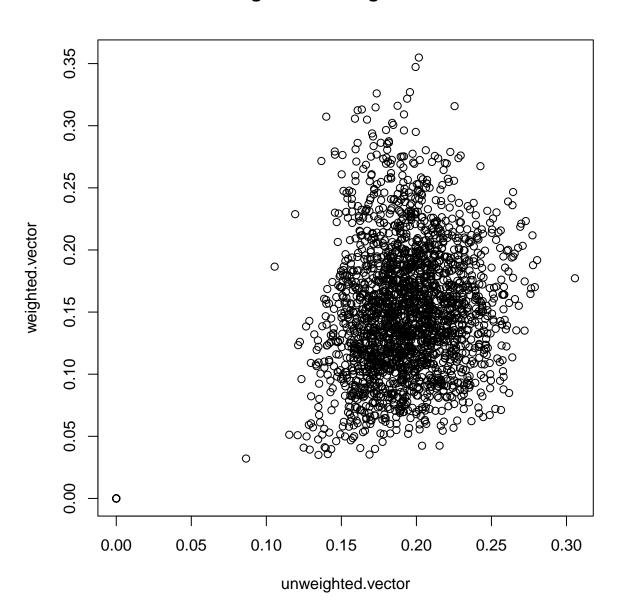
#### unweighted vs. information UniFrac



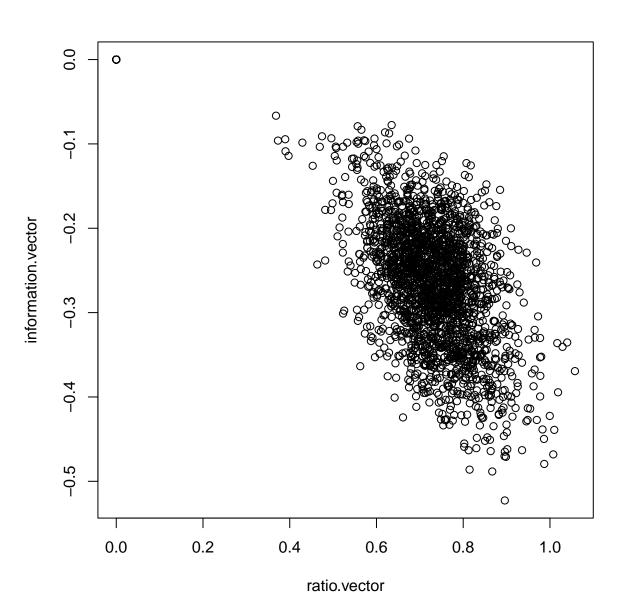
#### weighted vs. information UniFrac



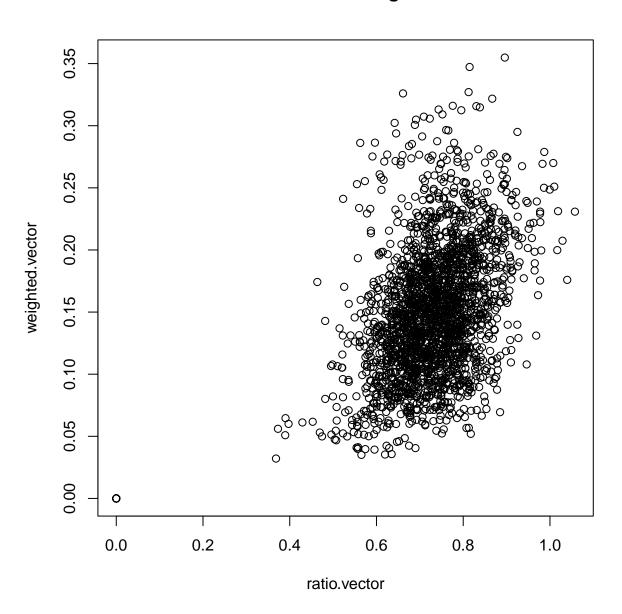
#### unweighted vs. weighted UniFrac



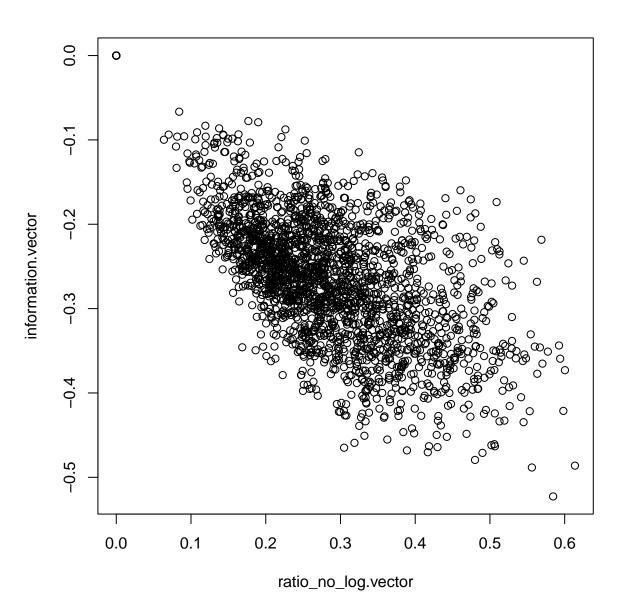
#### normalized ratio vs. information UniFrac



#### normalized ratio vs. weighted UniFrac



#### normalized ratio (no log) vs. information UniFrac



#### normalized ratio (no log) vs. weighted UniFrac

