**Unweighted UniFrac** principal coordinates analysis 90.0 0.04 0.02 Healthy **NASH** 0.00 -0.02-0.04

Second Component 0.162 variance explained

First Component 0.172 variance explained

0.02

0.04

0.06

0.00

-0.04

-0.02

**Weighted UniFrac** principal coordinates analysis Healthy NASH

Second Component 0.135 variance explained

0.2

0.1

0.0

-0.1

-0.3

First Component 0.228 variance explained

-0.1

0.0

0.1

-0.2

Information UniFrac principal coordinates analysis 0.2 0.1 Healthy NASH -0.1 -0.2

Second Component 0.12 variance explained

First Component 0.145 variance explained

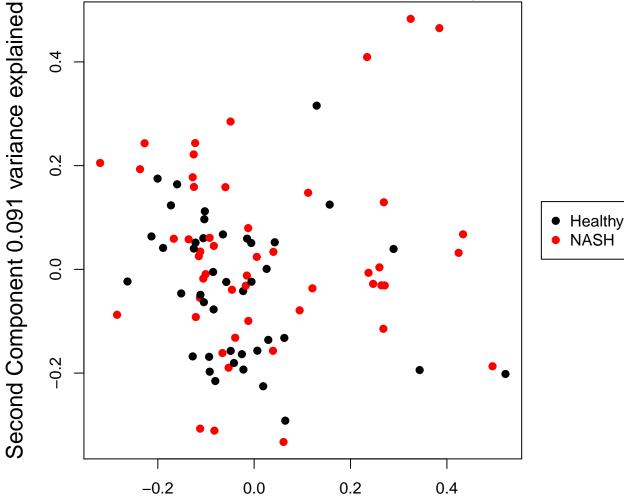
0.0

0.1

-0.1

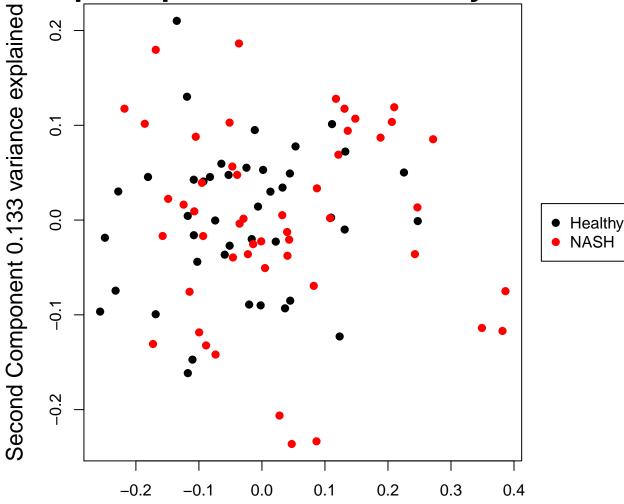
-0.2

Centered Log Ratio UniFrac principal coordinates analysis



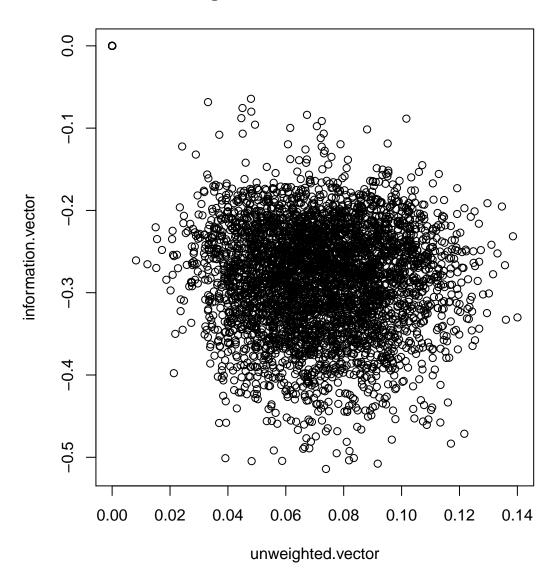
First Component 0.112 variance explained

Centered Ratio UniFrac principal coordinates analysis

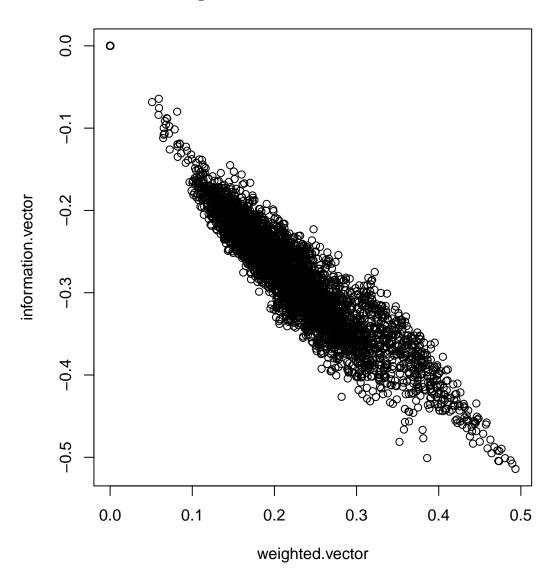


First Component 0.323 variance explained

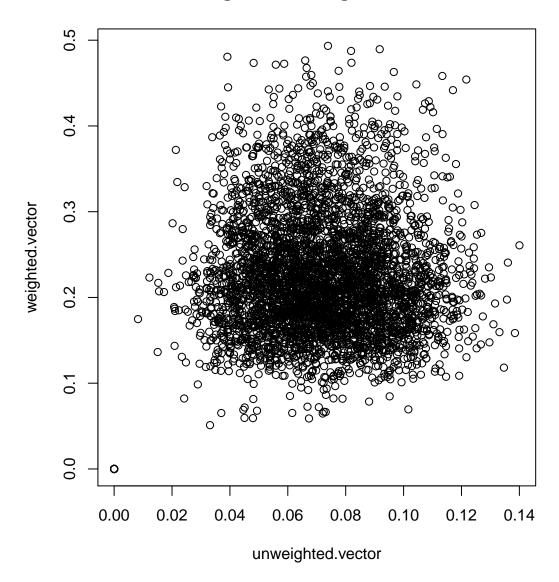
### unweighted vs. information UniFrac



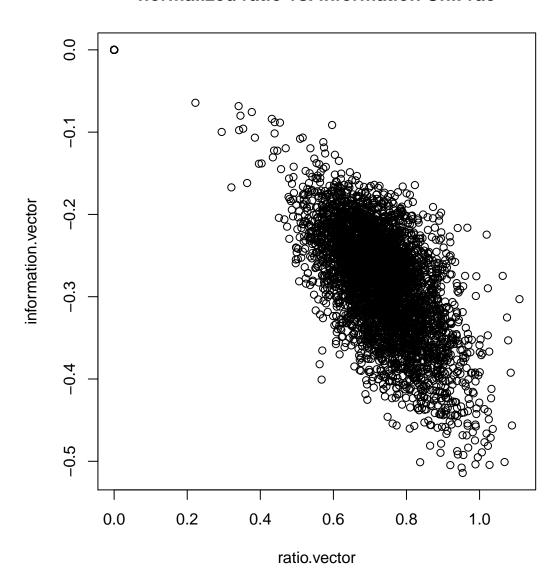
# weighted vs. information UniFrac



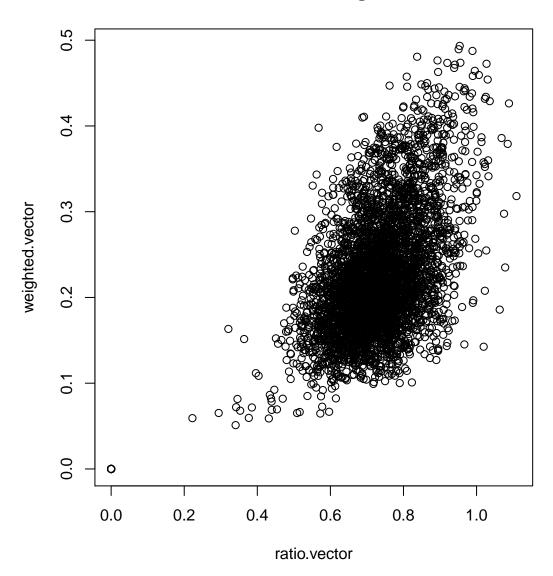
### unweighted vs. weighted UniFrac



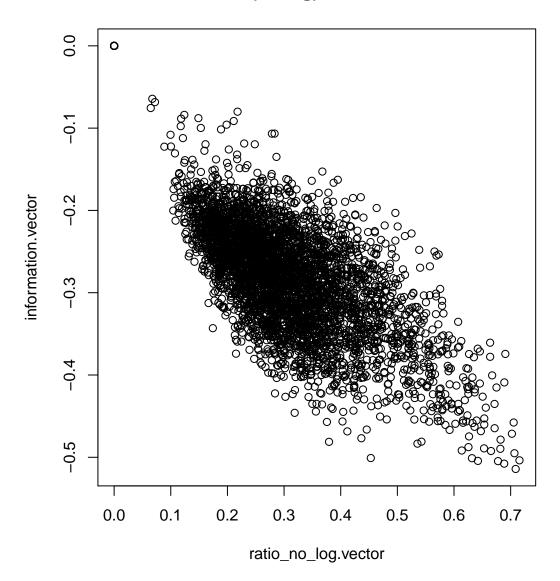
#### normalized ratio vs. information UniFrac



# normalized ratio vs. weighted UniFrac



# normalized ratio (no log) vs. information UniFrac



# normalized ratio (no log) vs. weighted UniFrac

