**Unweighted UniFrac** principal coordinates analysis 0.08 Second Component 0.095 variance explained 90.0 0.04 Cheek 0.02 Tongue 0.00 -0.02-0.04-0.020.00 0.02 0.04

First Component 0.169 variance explained

**Weighted UniFrac** principal coordinates analysis 0.2 0.1 Cheek Tongue -0.2

Second Component 0.161 variance explained

-0.4

First Component 0.523 variance explained

0.0

0.2

0.4

-0.2

Information UniFrac principal coordinates analysis 0.05 0.00 Cheek Tongue -0.05-0.10

Second Component 0.292 variance explained

-0.05

First Component 0.332 variance explained

0.05

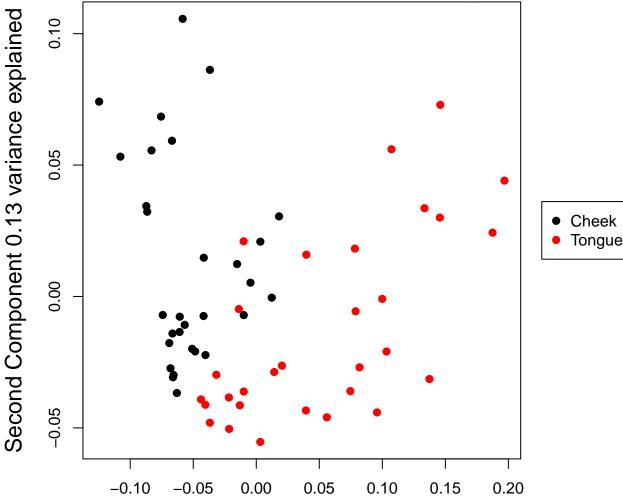
0.10

0.00

**Centered Log Ratio UniFrac** principal coordinates analysis 0.05 Second Component 0.133 variance explained 0.00 -0.05Cheek Tongue -0.15-0.050.00 0.05 0.10

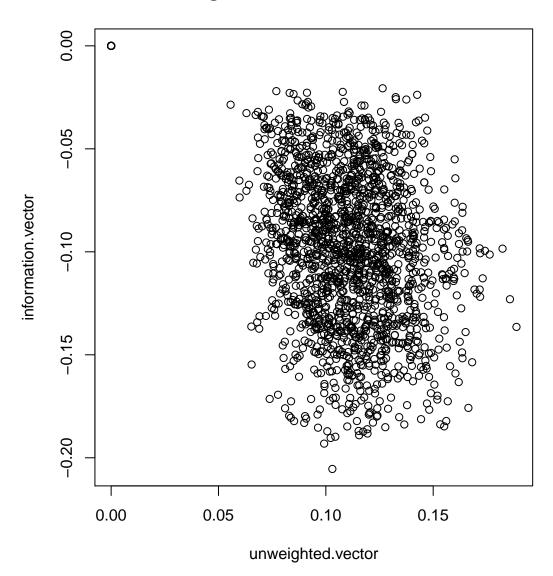
First Component 0.37 variance explained

Centered Ratio UniFrac principal coordinates analysis

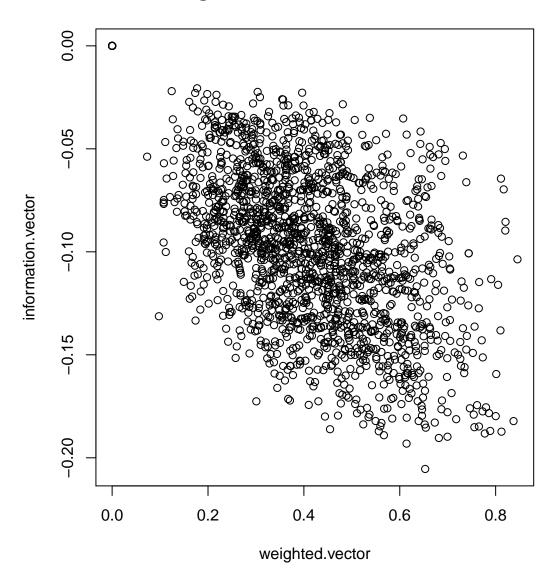


First Component 0.506 variance explained

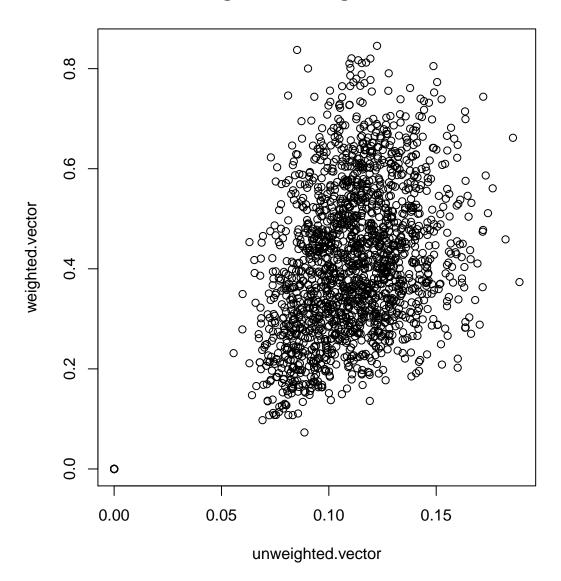
# unweighted vs. information UniFrac



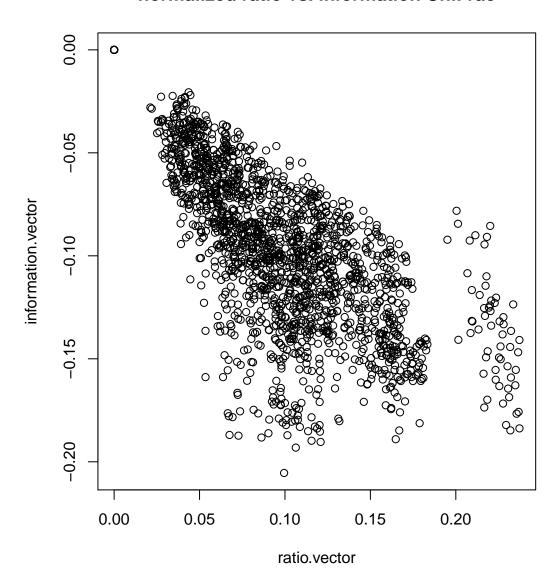
# weighted vs. information UniFrac



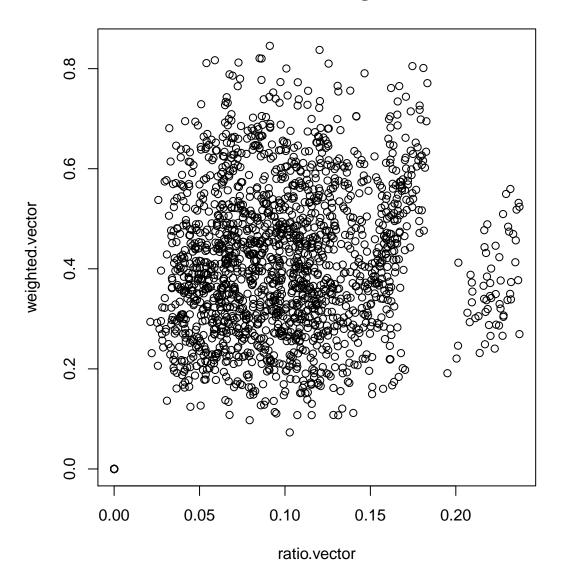
# unweighted vs. weighted UniFrac



## normalized ratio vs. information UniFrac



# normalized ratio vs. weighted UniFrac



# normalized no log ratio vs. weighted UniFrac

