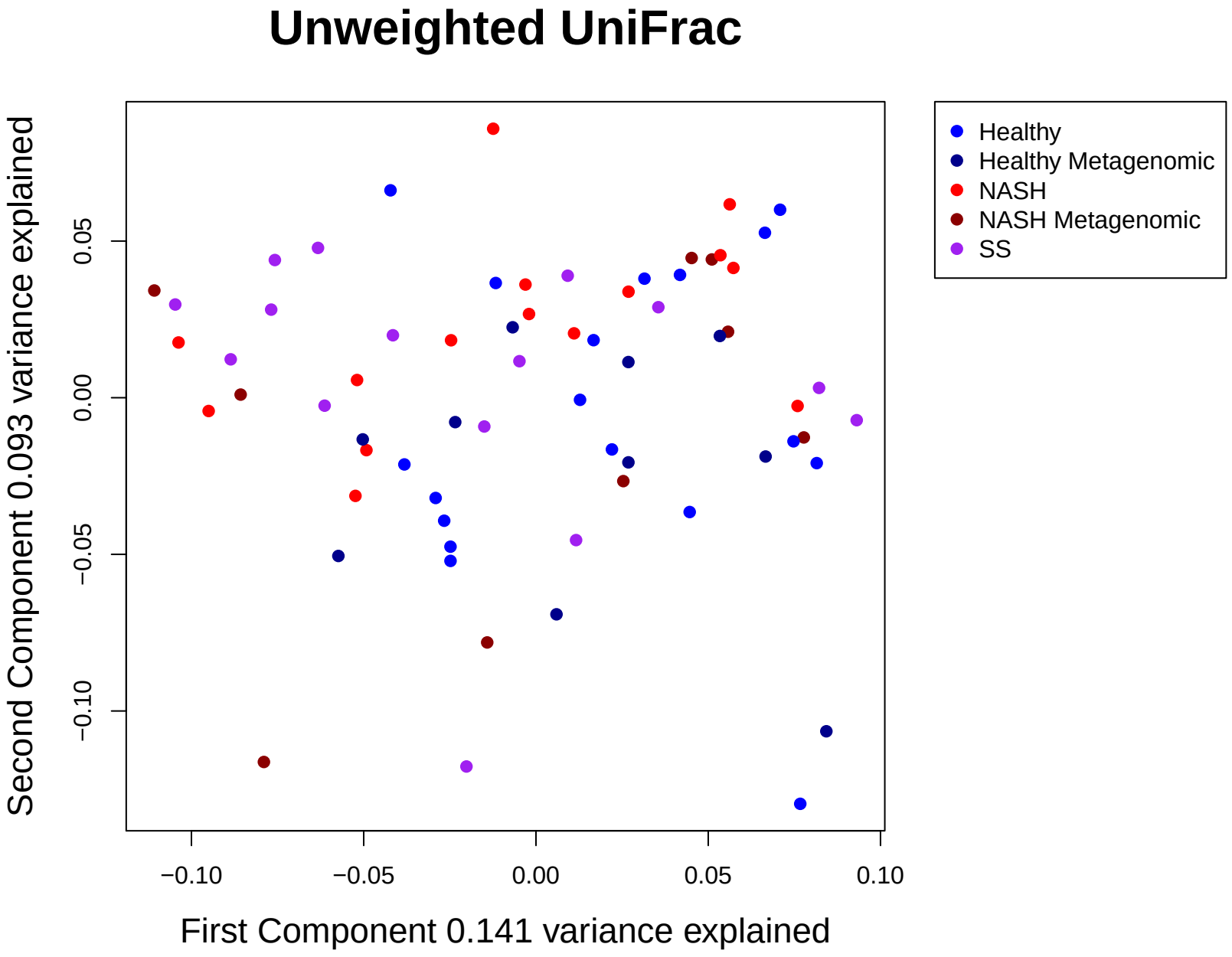
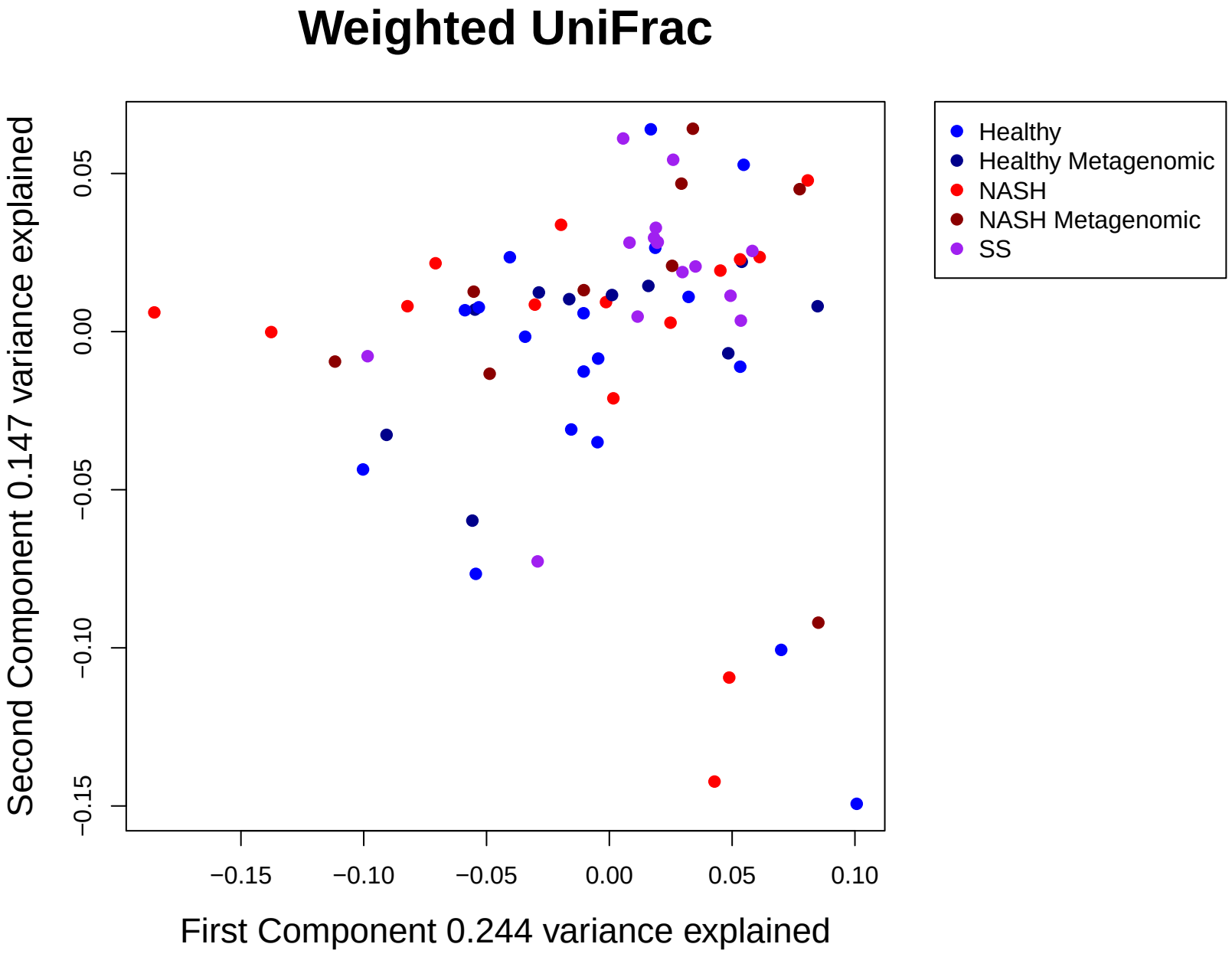
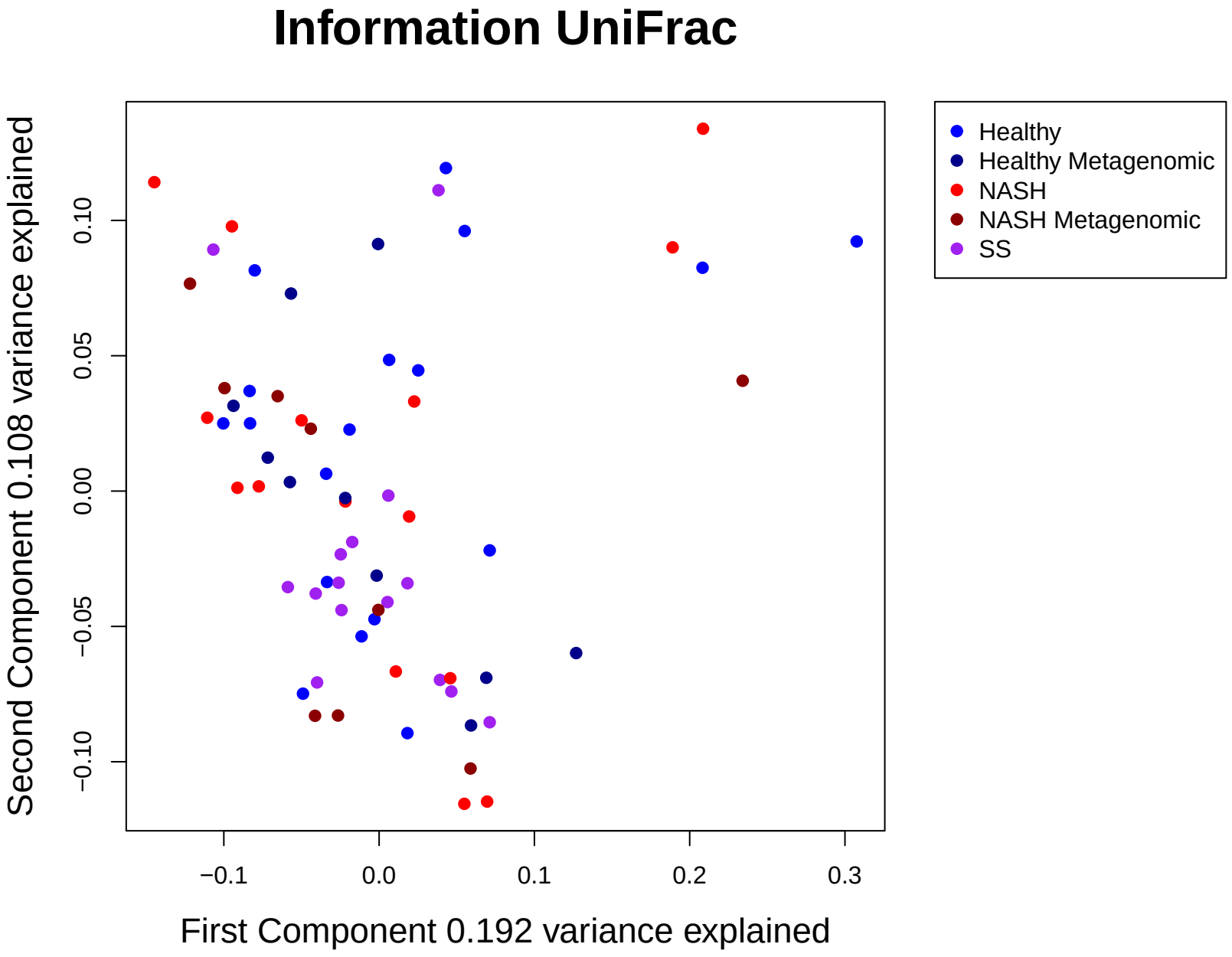
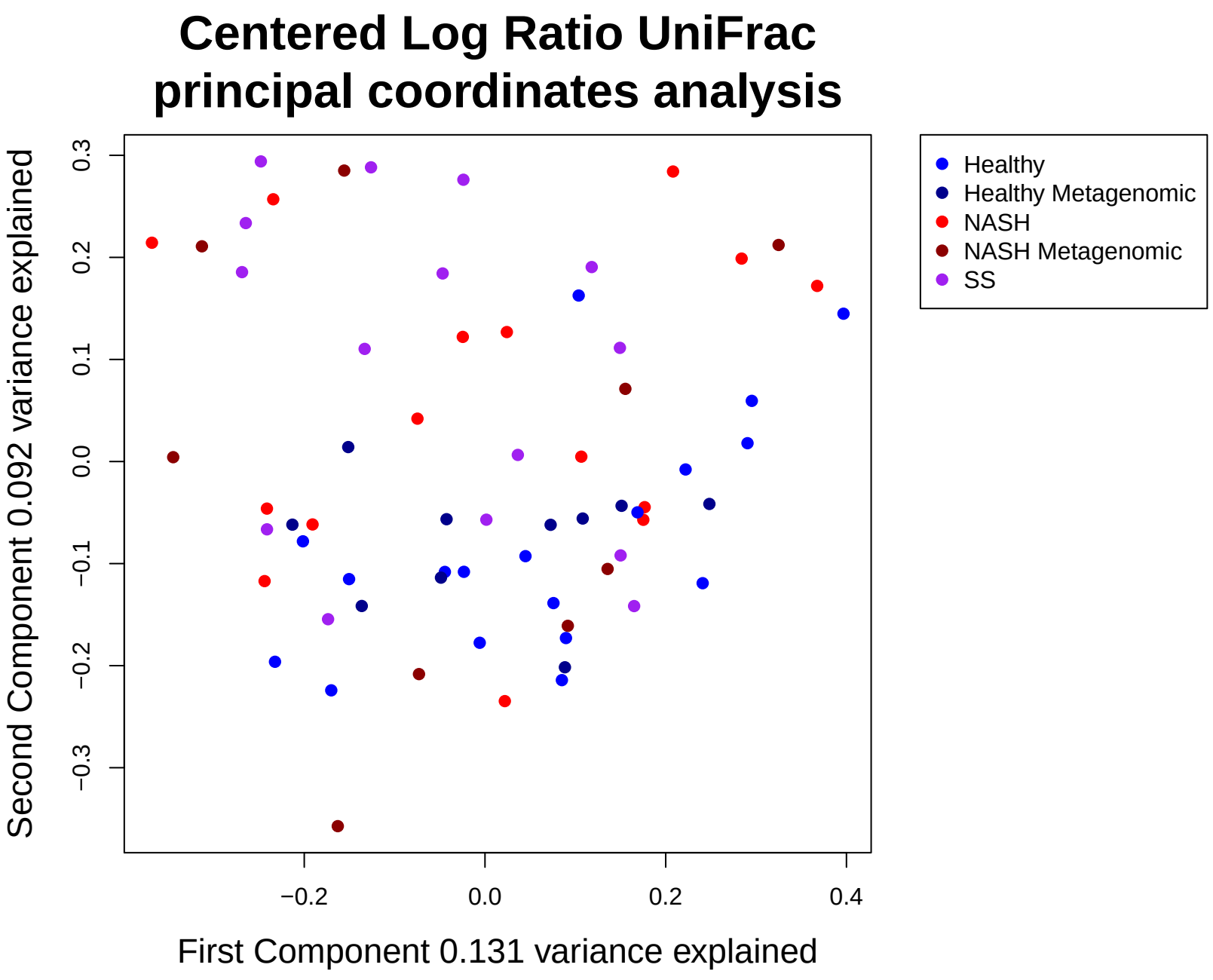
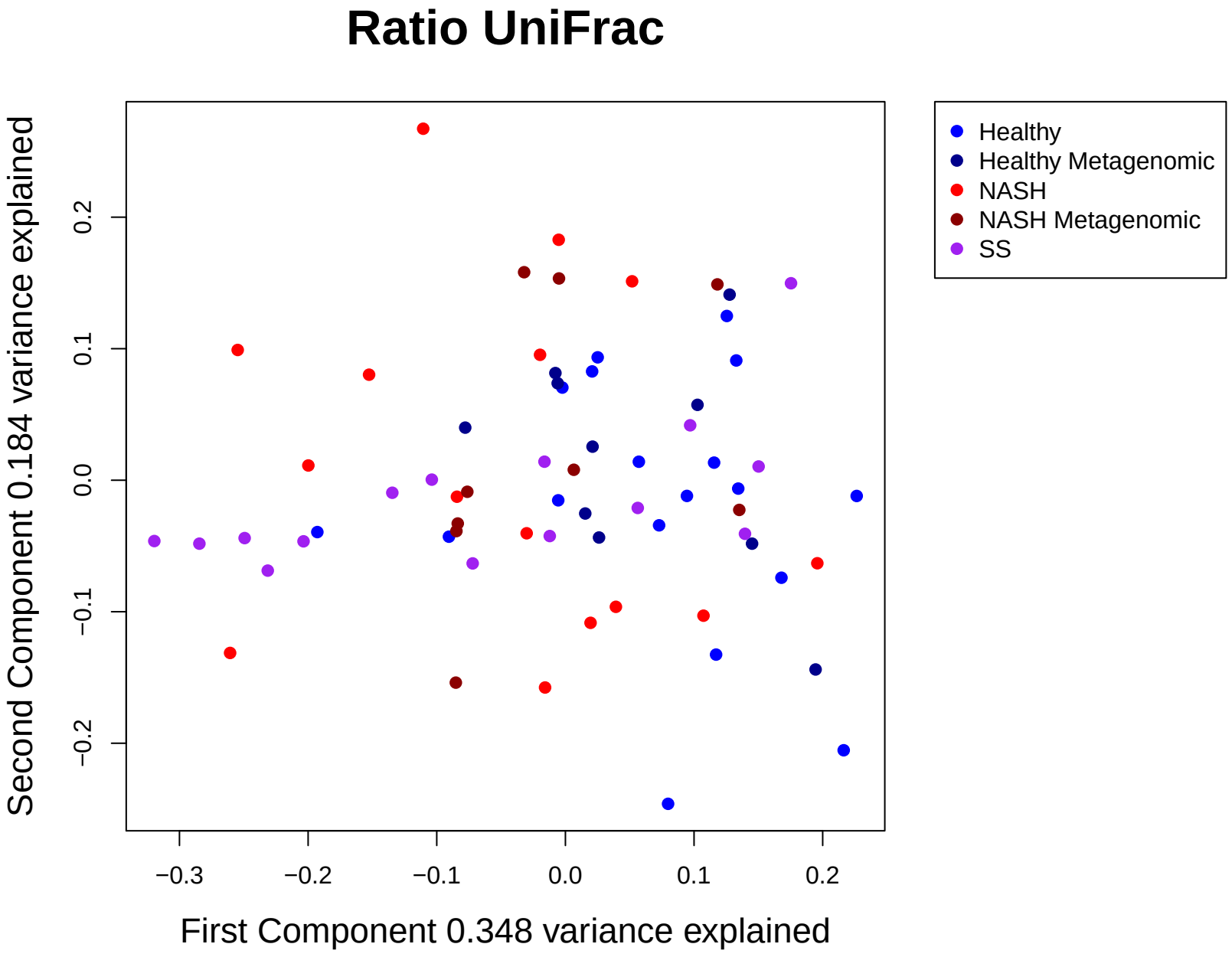
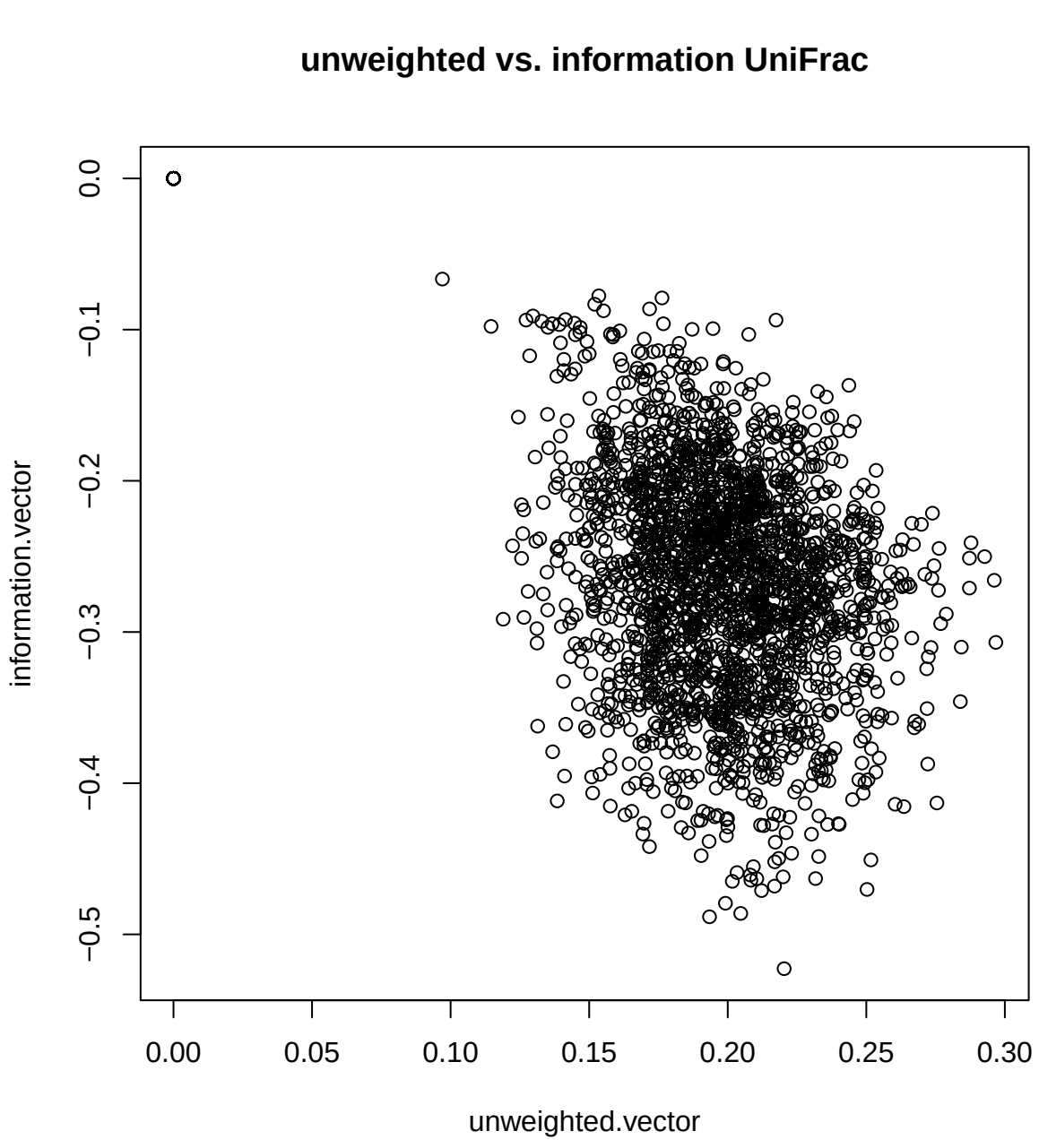

Unweighted UniFrac
Second Component 0.093 variance explained
First Component 0.141 variance explained
0.05
0.00
−0.05
−0.10
−0.10
−0.05
0.00
0.05
0.10
Healthy
Healthy Metagenomic
NASH
NASH Metagenomic
SS

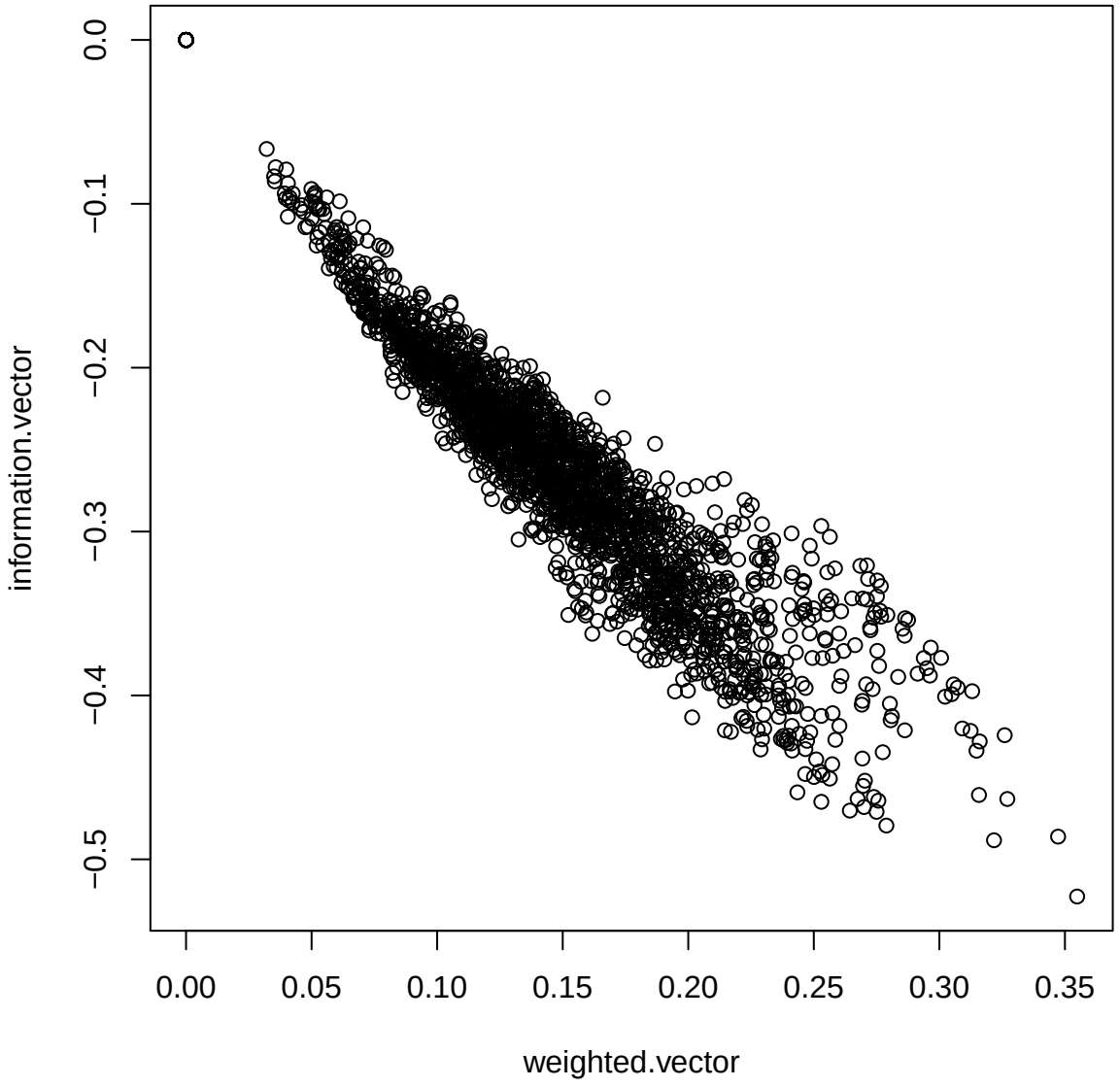

Weighted UniFrac
Second Component 0.147 variance explained
First Component 0.244 variance explained
0.05
0.00
−0.05
−0.10
−0.15
−0.15
−0.10
−0.05
0.00
0.05
0.10
Healthy
Healthy Metagenomic
NASH
NASH Metagenomic
SS

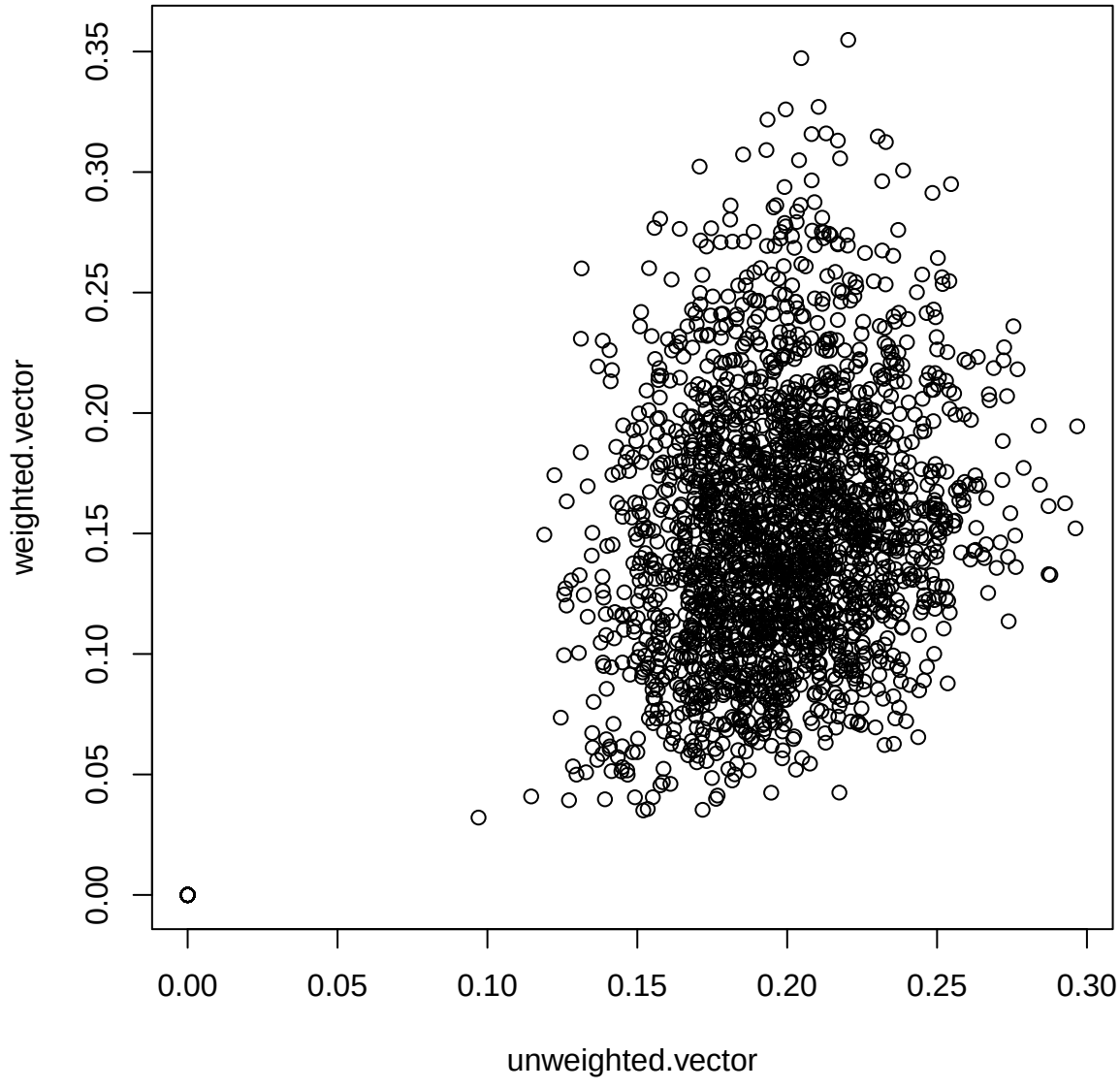

Information UniFrac
Second Component 0.108 variance explained
First Component 0.192 variance explained
Healthy
Healthy Metagenomic
NASH
NASH Metagenomic
SS
0.10
0.05
0.00
−0.05
−0.10
−0.1
0.0
0.1
0.2
0.3

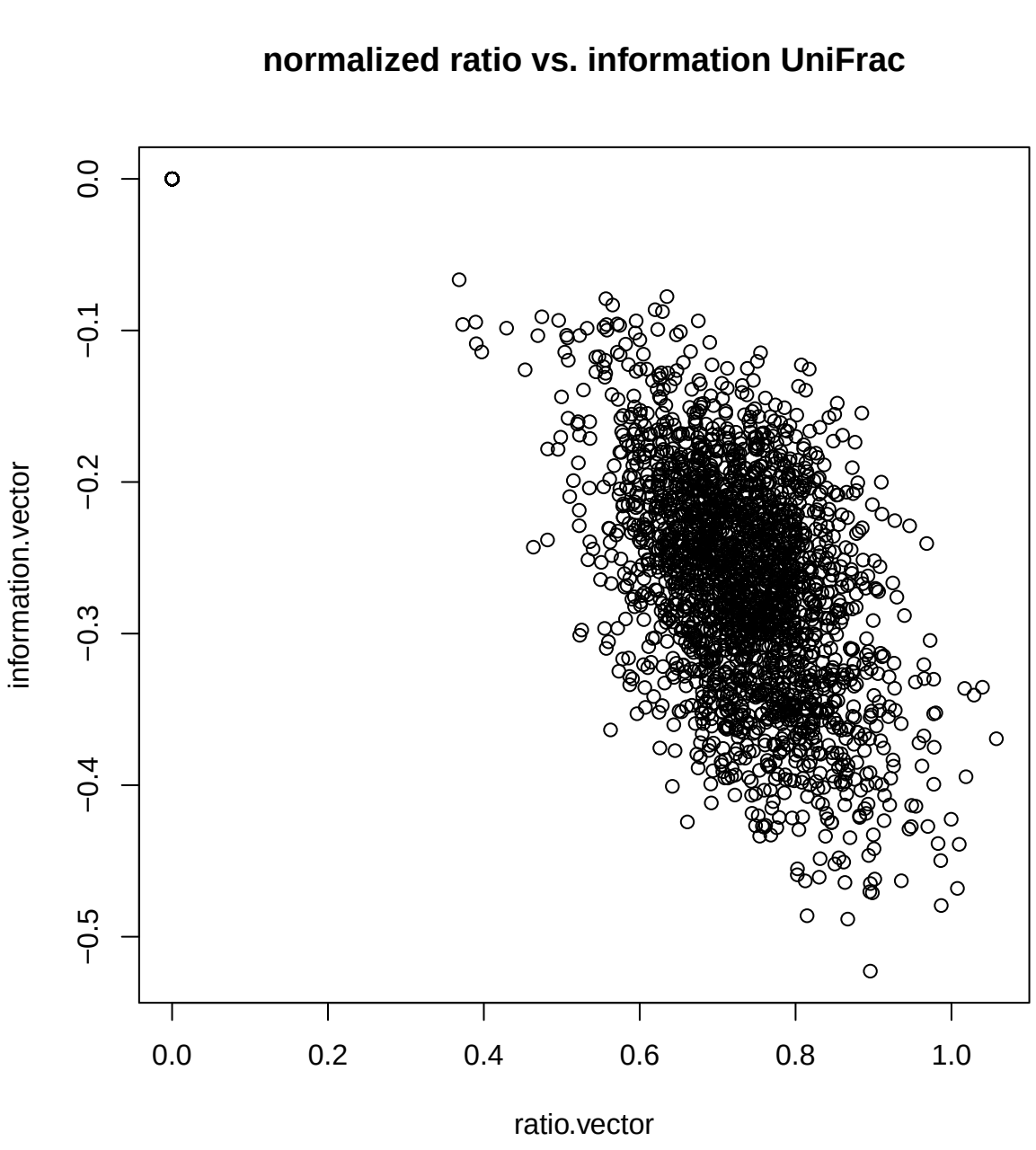

Centered Log Ratio UniFrac
principal coordinates analysis
Second Component 0.092 variance explained
First Component 0.131 variance explained
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
Healthy
Healthy Metagenomic
NASH
NASH Metagenomic
SS

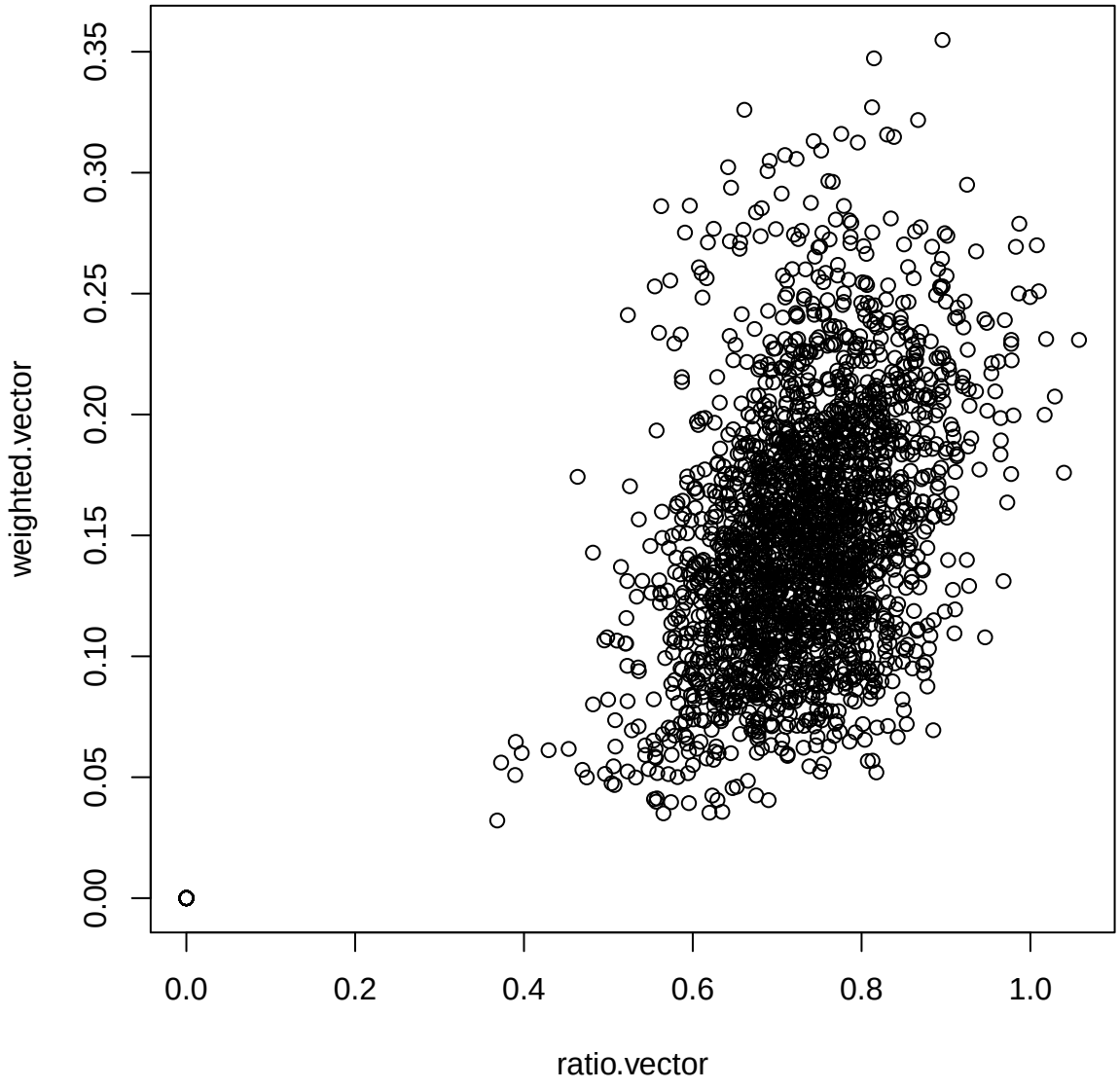

Ratio UniFrac
Second Component 0.184 variance explained
First Component 0.348 variance explained
Healthy
Healthy Metagenomic
NASH
NASH Metagenomic
SS
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
−0.1
0.0
0.1
0.2

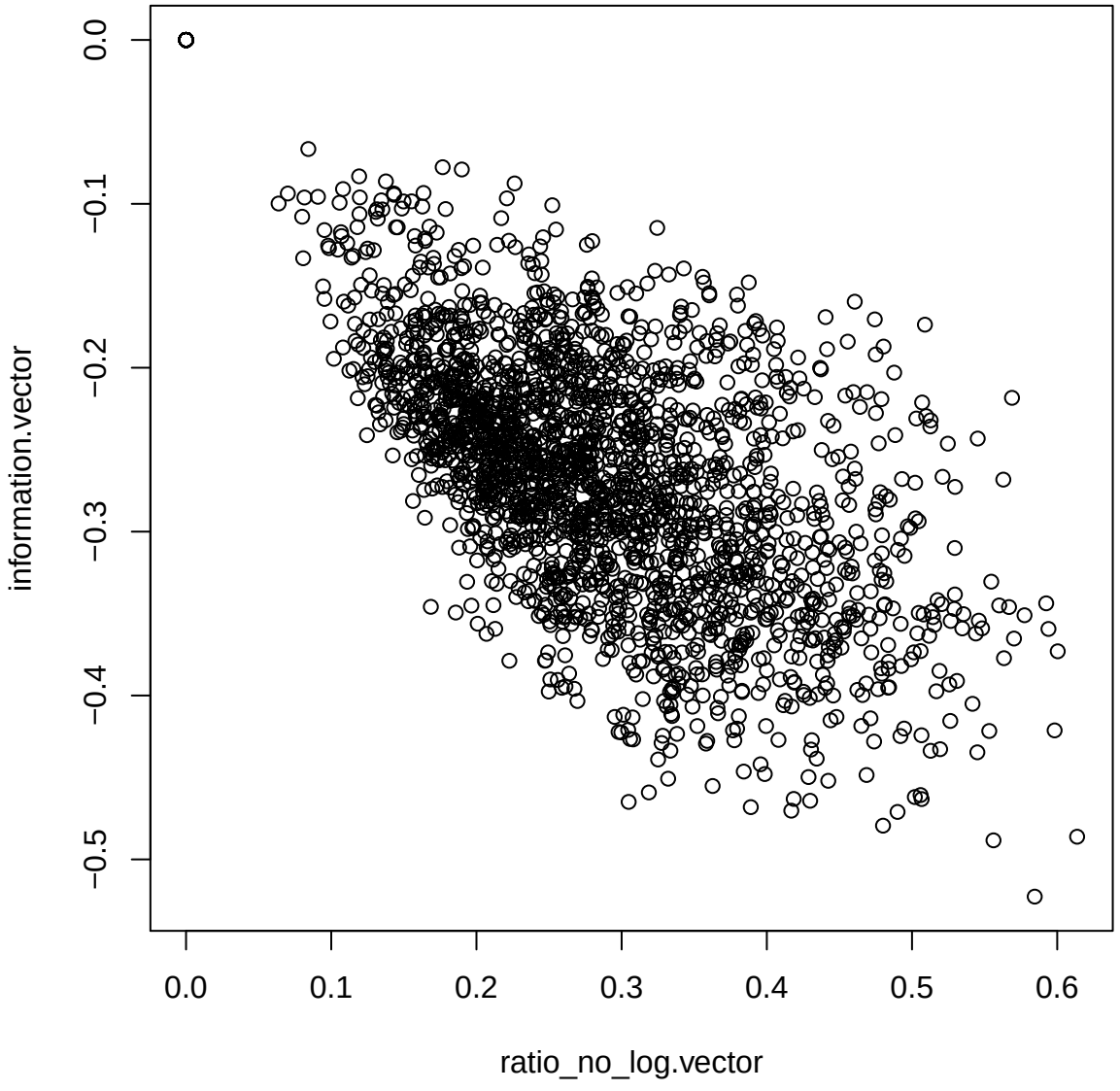

unweighted vs. information UniFrac
information.vector
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
0.00
0.05
0.10
0.15
0.20
0.25
0.30
unweighted.vector

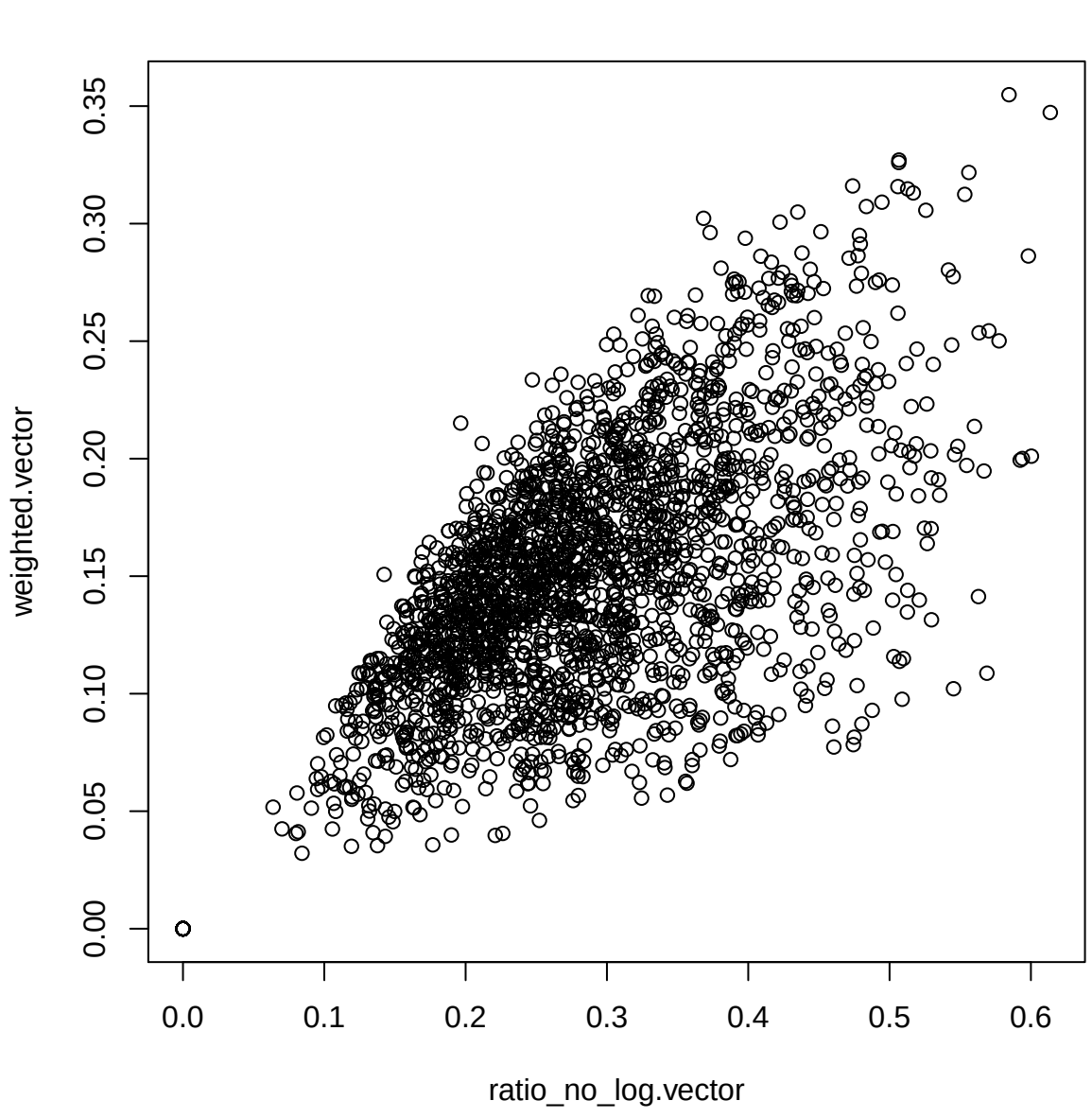

weighted vs. information UniFrac
information.vector
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
weighted.vector


unweighted vs. weighted UniFrac
weighted.vector
unweighted.vector
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35


normalized ratio vs. information UniFrac
information.vector
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
ratio.vector
0.0
0.2
0.4
0.6
0.8
1.0


normalized ratio vs. weighted UniFrac
weighted.vector
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
ratio.vector
0.0
0.2
0.4
0.6
0.8
1.0


normalized ratio (no log) vs. information UniFrac
information.vector
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
0.0
0.1
0.2
0.3
0.4
0.5
0.6
ratio_no_log.vector


normalized ratio (no log) vs. weighted UniFrac
weighted.vector
ratio_no_log.vector
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.0
0.1
0.2
0.3
0.4
0.5
0.6