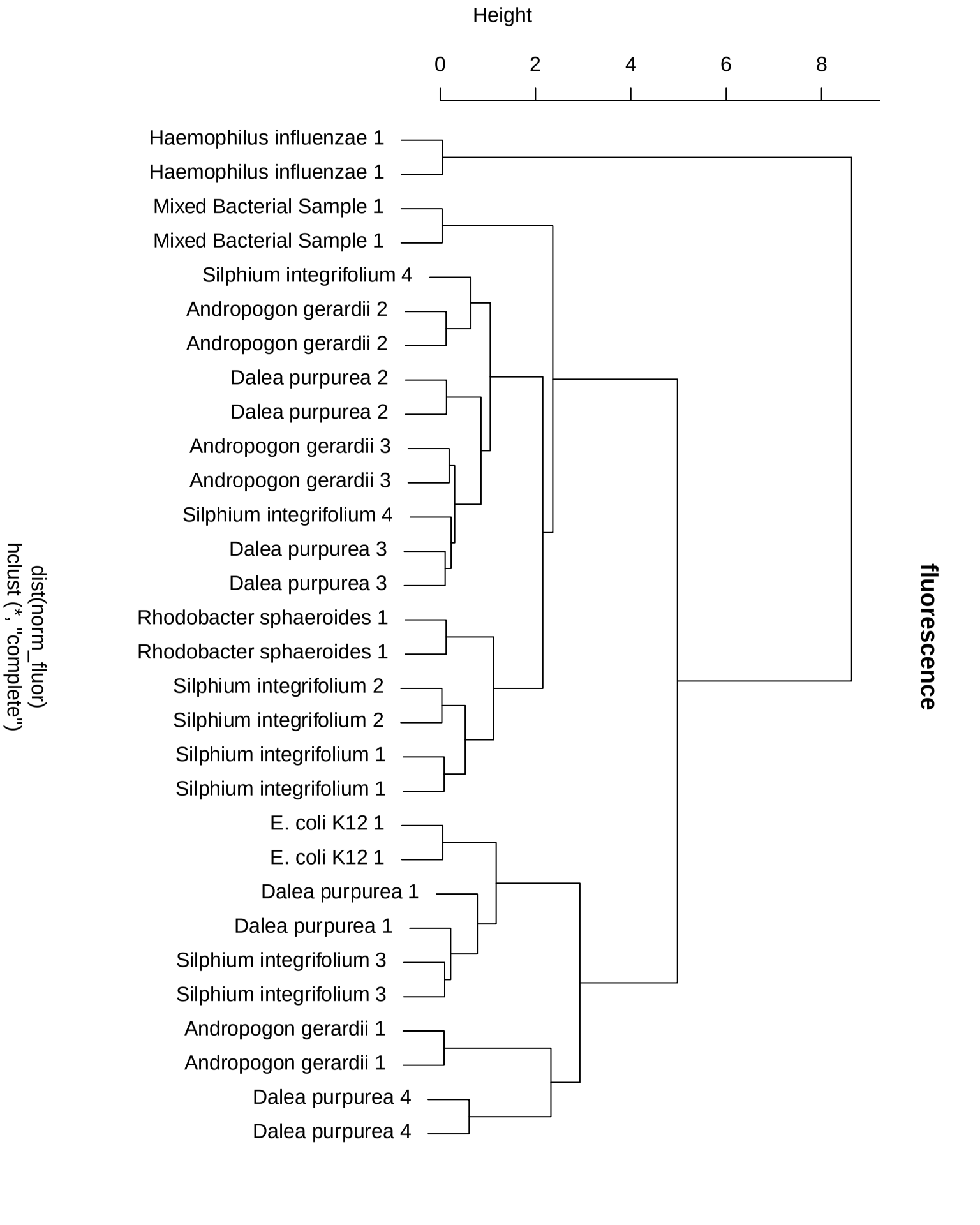
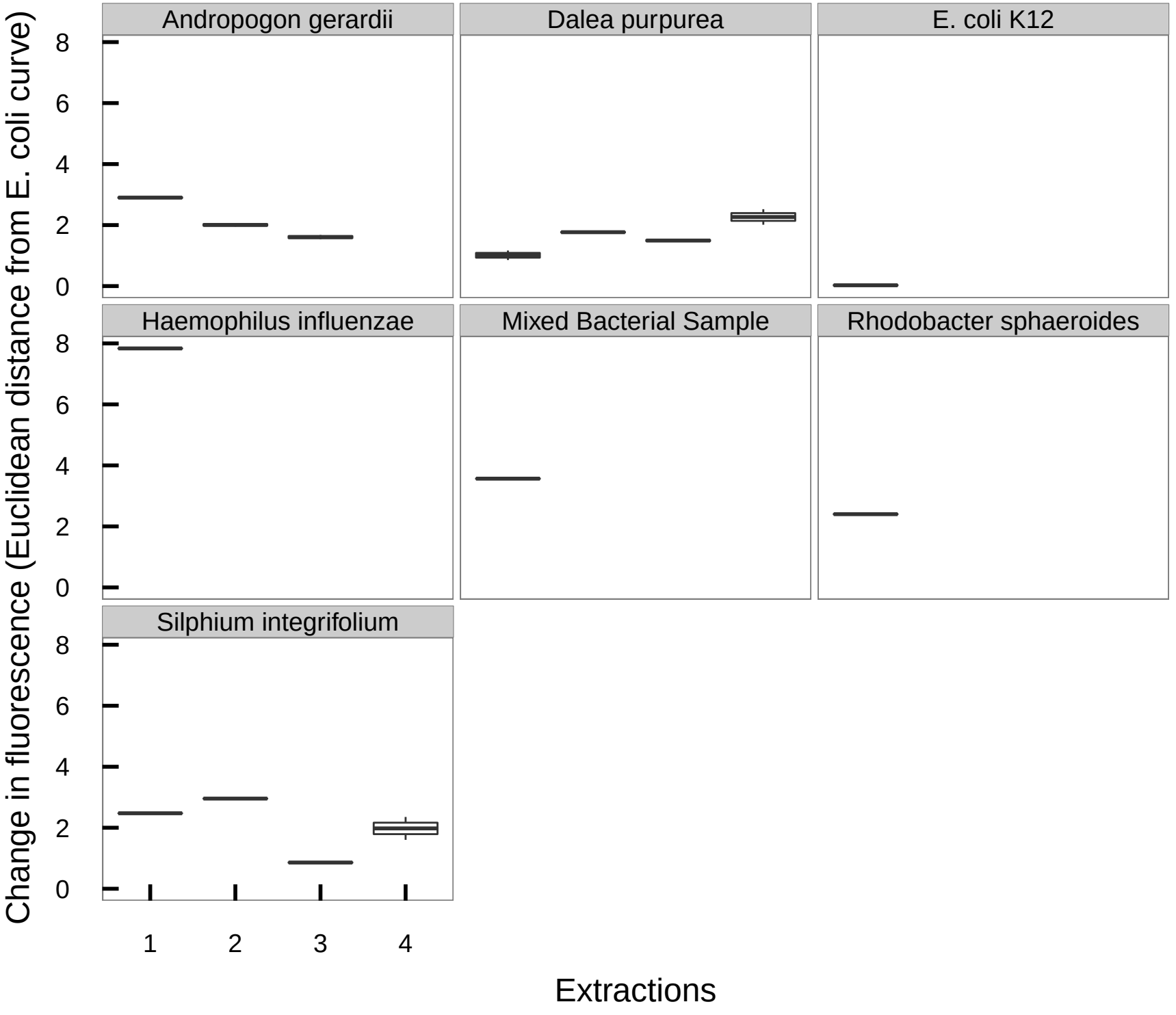
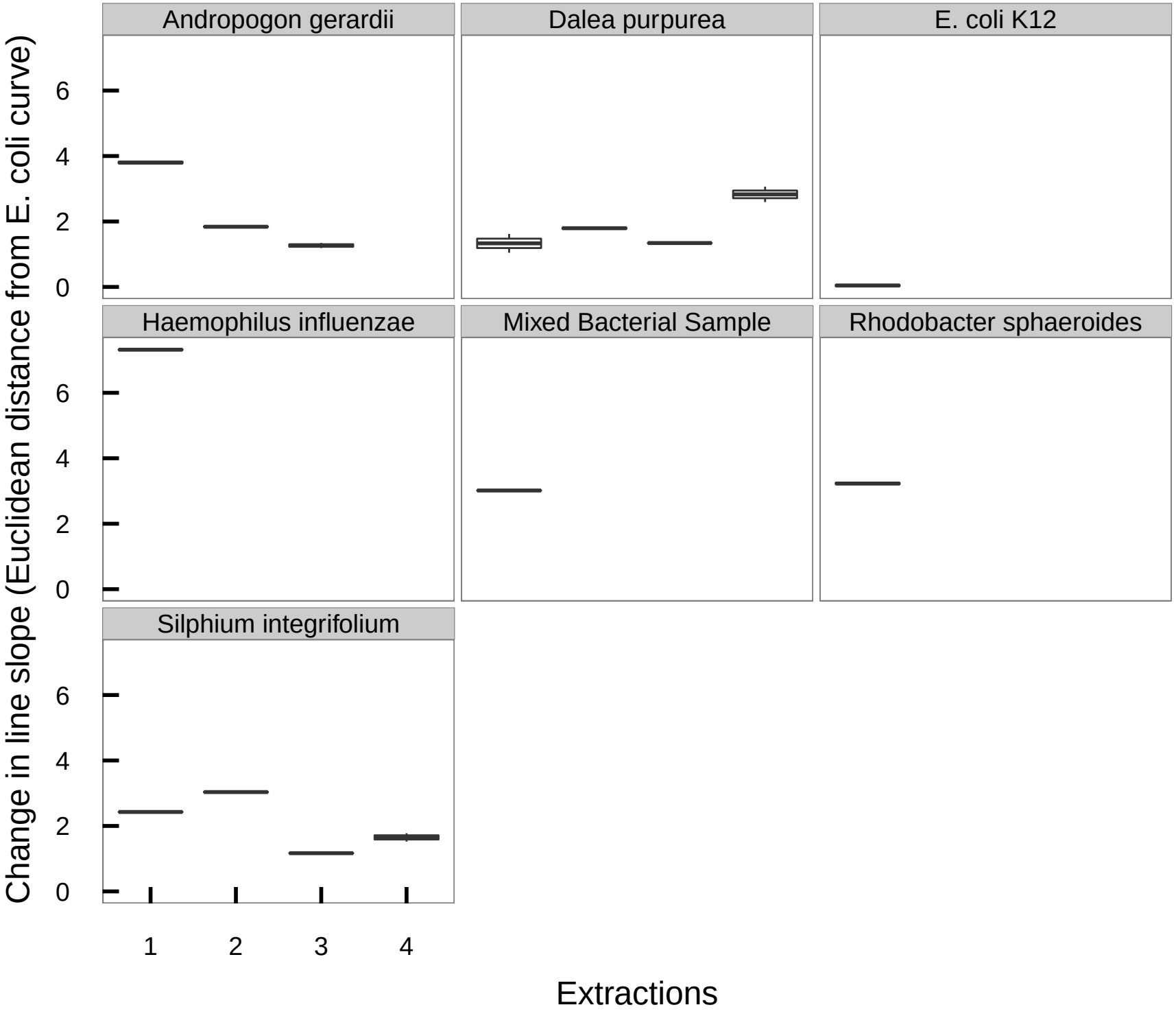
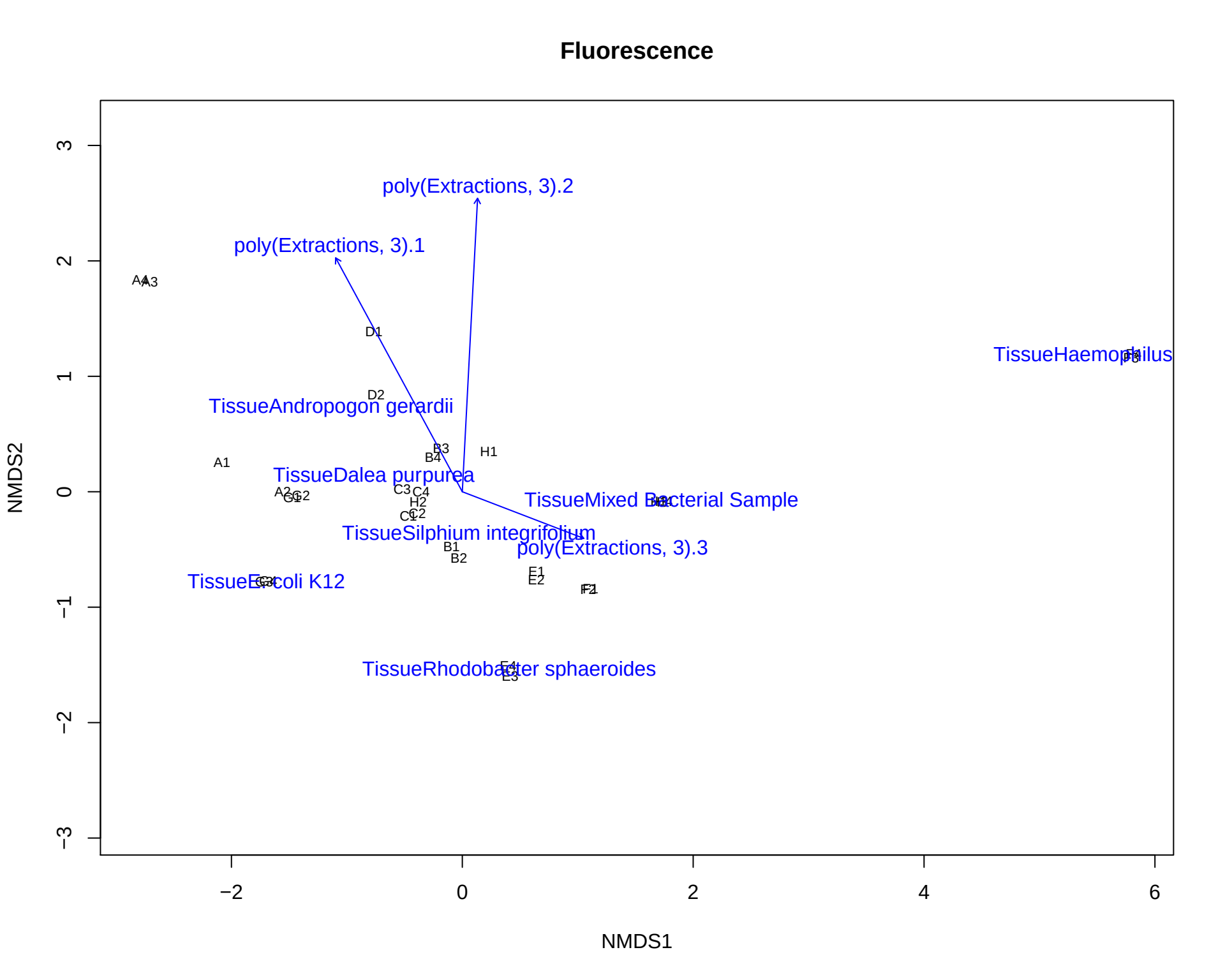
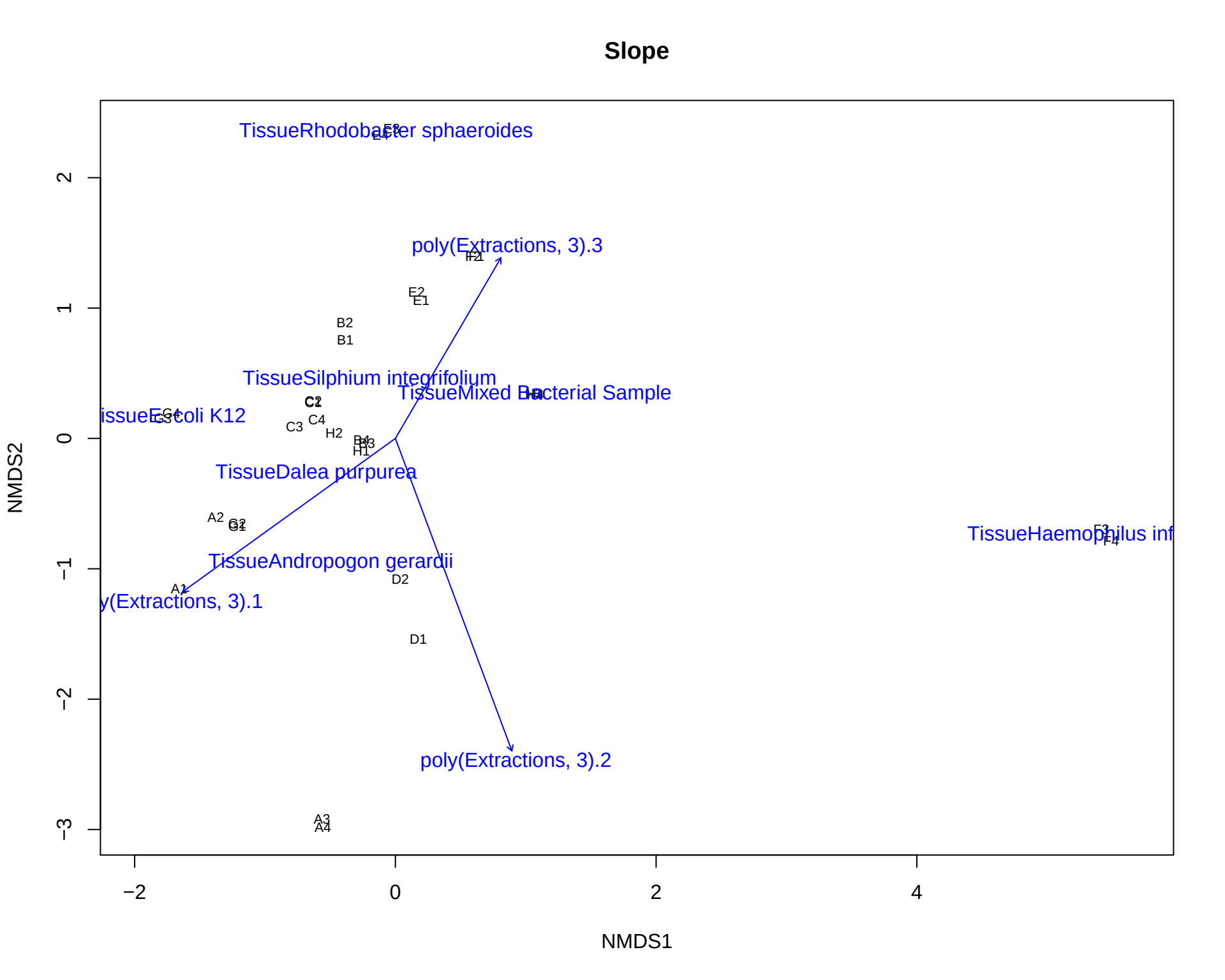

Height
0
2
4
6
8
Haemophilus influenzae 1
Haemophilus influenzae 1
Mixed Bacterial Sample 1
Mixed Bacterial Sample 1
Silphium integrifolium 4
Andropogon gerardii 2
Andropogon gerardii 2
Dalea purpurea 2
Dalea purpurea 2
Andropogon gerardii 3
Andropogon gerardii 3
Silphium integrifolium 4
Dalea purpurea 3
Dalea purpurea 3
Rhodobacter sphaeroides 1
Rhodobacter sphaeroides 1
Silphium integrifolium 2
Silphium integrifolium 2
Silphium integrifolium 1
Silphium integrifolium 1
E. coli K12 1
E. coli K12 1
Dalea purpurea 1
Dalea purpurea 1
Silphium integrifolium 3
Silphium integrifolium 3
Andropogon gerardii 1
Andropogon gerardii 1
Dalea purpurea 4
Dalea purpurea 4
dist(norm_fluor)
hclust (*, "complete")
fluorescence

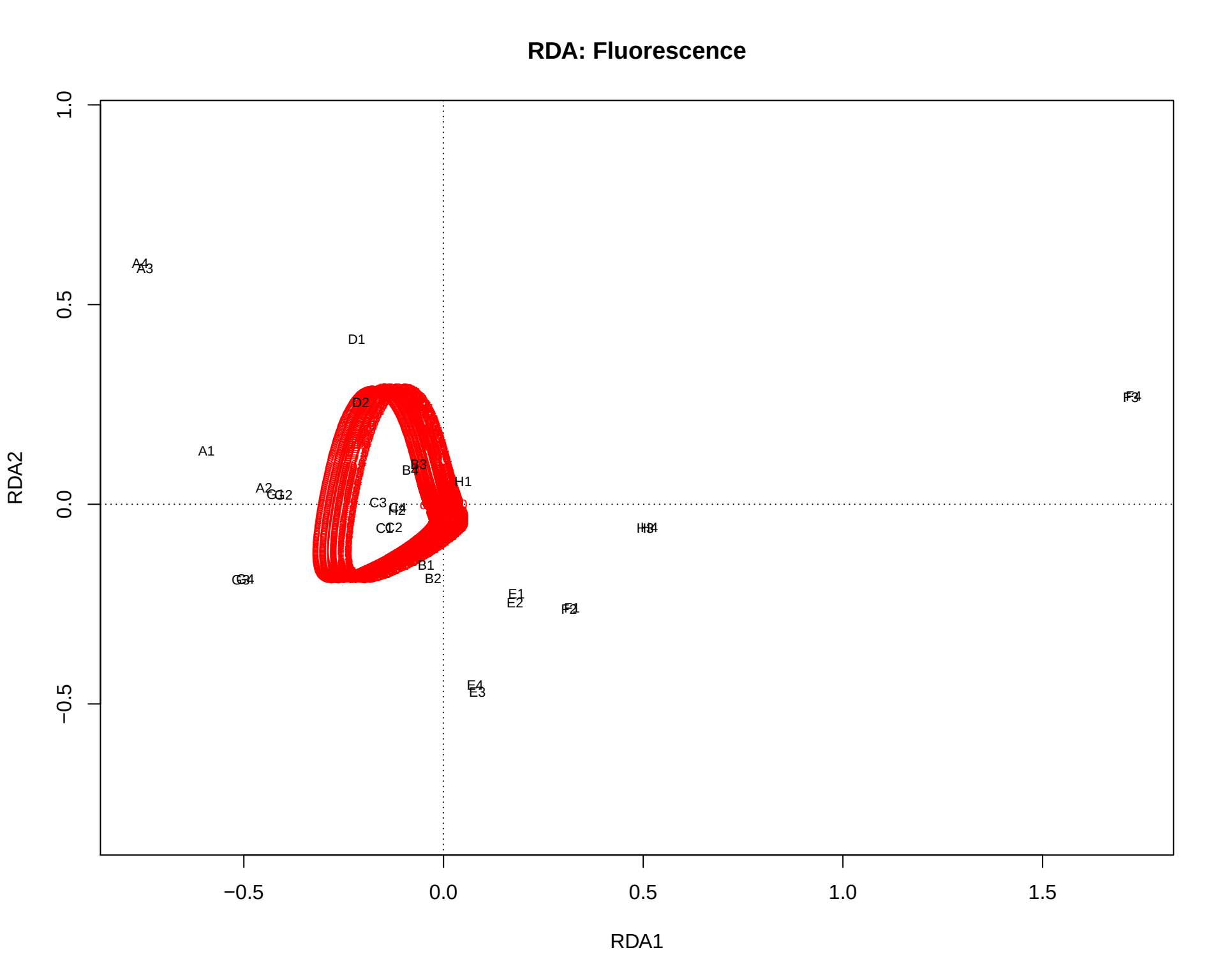
d(fluorescence)/d(Temperature)
Height
0
2
4
6
Haemophilus influenzae 1
Haemophilus influenzae 1
Rhodobacter sphaeroides 1
Rhodobacter sphaeroides 1
Silphium integrifolium 2
Silphium integrifolium 2
Silphium integrifolium 1
Silphium integrifolium 1
Mixed Bacterial Sample 1
Mixed Bacterial Sample 1
Dalea purpurea 2
Dalea purpurea 2
Dalea purpurea 3
Dalea purpurea 3
Andropogon gerardii 3
Andropogon gerardii 3
Andropogon gerardii 2
Andropogon gerardii 2
Silphium integrifolium 4
Silphium integrifolium 4
E. coli K12 1
E. coli K12 1
Dalea purpurea 1
Dalea purpurea 1
Silphium integrifolium 3
Silphium integrifolium 3
Andropogon gerardii 1
Andropogon gerardii 1
Dalea purpurea 4
Dalea purpurea 4
dist(norm_slope)
hclust (*, "complete")

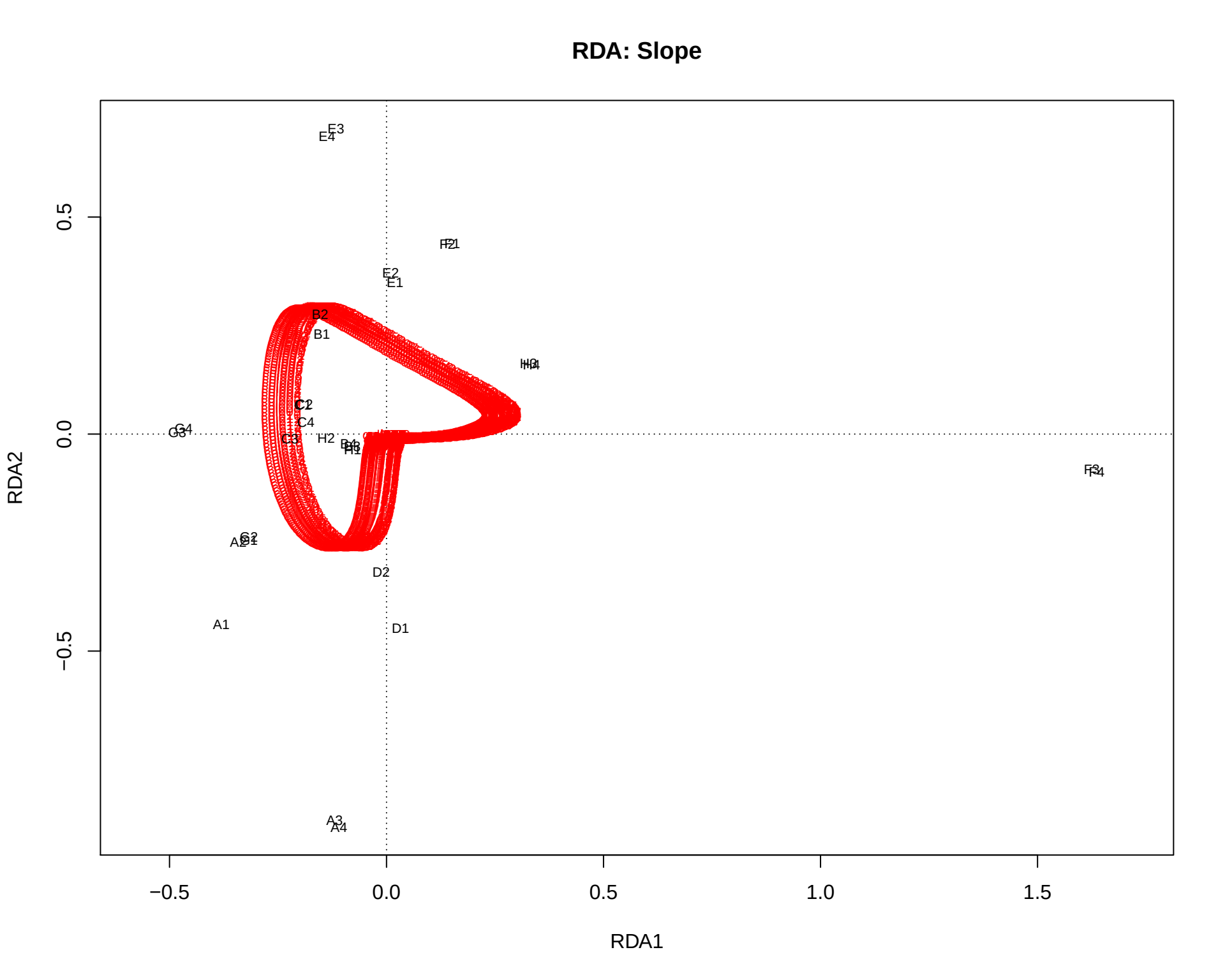

Andropogon gerardii
Dalea purpurea
E. coli K12
Haemophilus influenzae
Mixed Bacterial Sample
Rhodobacter sphaeroides
Silphium integrifolium
Change in fluorescence (Euclidean distance from E. coli curve)
0
2
4
6
8
1
2
3
4
Extractions


Andropogon gerardii
Dalea purpurea
E. coli K12
Haemophilus influenzae
Mixed Bacterial Sample
Rhodobacter sphaeroides
Silphium integrifolium
Change in line slope (Euclidean distance from E. coli curve)
0
2
4
6
1
2
3
4
Extractions


Fluorescence
poly(Extractions, 3).2
poly(Extractions, 3).1
TissueHaemophilus
TissueAndropogon gerardii
TissueDalea purpurea
TissueMixed Bacterial Sample
TissueSilphium integrifolium
poly(Extractions, 3).3
TissueE.coli K12
TissueRhodobacter sphaeroides
NMDS1
NMDS2
−2
0
2
4
6
−3
−2
−1
0
1
2
3


Slope
TissueRhodobacter sphaeroides
poly(Extractions, 3).3
TissueSilphium integrifolium
TissueMixed Bacterial Sample
issueE.coli K12
TissueDalea purpurea
TissueHaemophilus inf
TissueAndropogon gerardii
y(Extractions, 3).1
poly(Extractions, 3).2
NMDS1
NMDS2
−2
0
2
4
−3
−2
−1
0
1
2


RDA: Fluorescence
RDA1
RDA2
−0.5
0.0
0.5
1.0
1.5
A4
A3
D1
D2
A1
A2
B3
B4
H1
C3
C4
H2
C1
C2
B1
B2
E1
E2
E4
E3


RDA: Slope
RDA1
RDA2
−0.5
0.0
0.5
1.0
1.5
E3
E4
E2
E1
B2
B1
C4
H2
D2
D1
A1
A3
A4