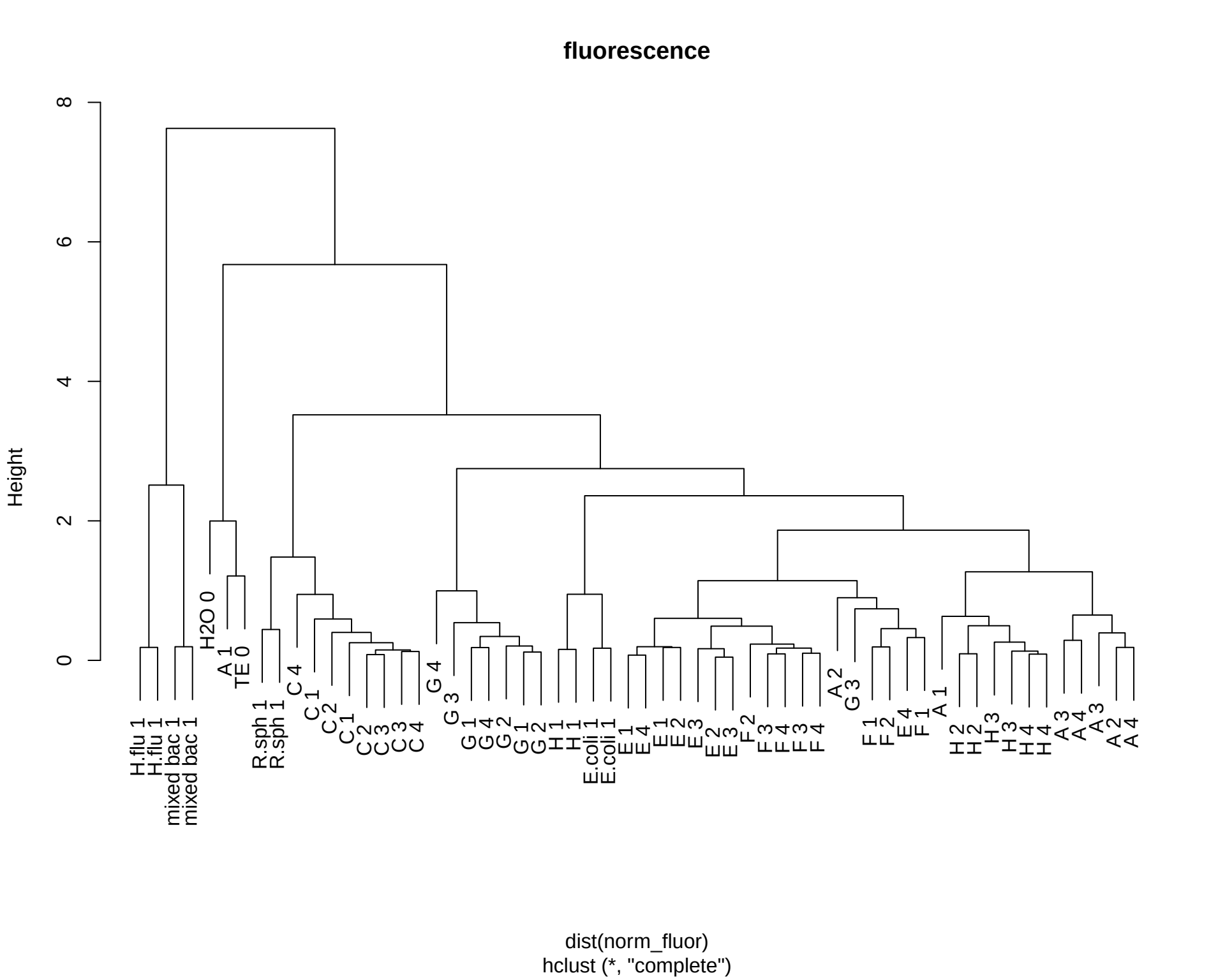
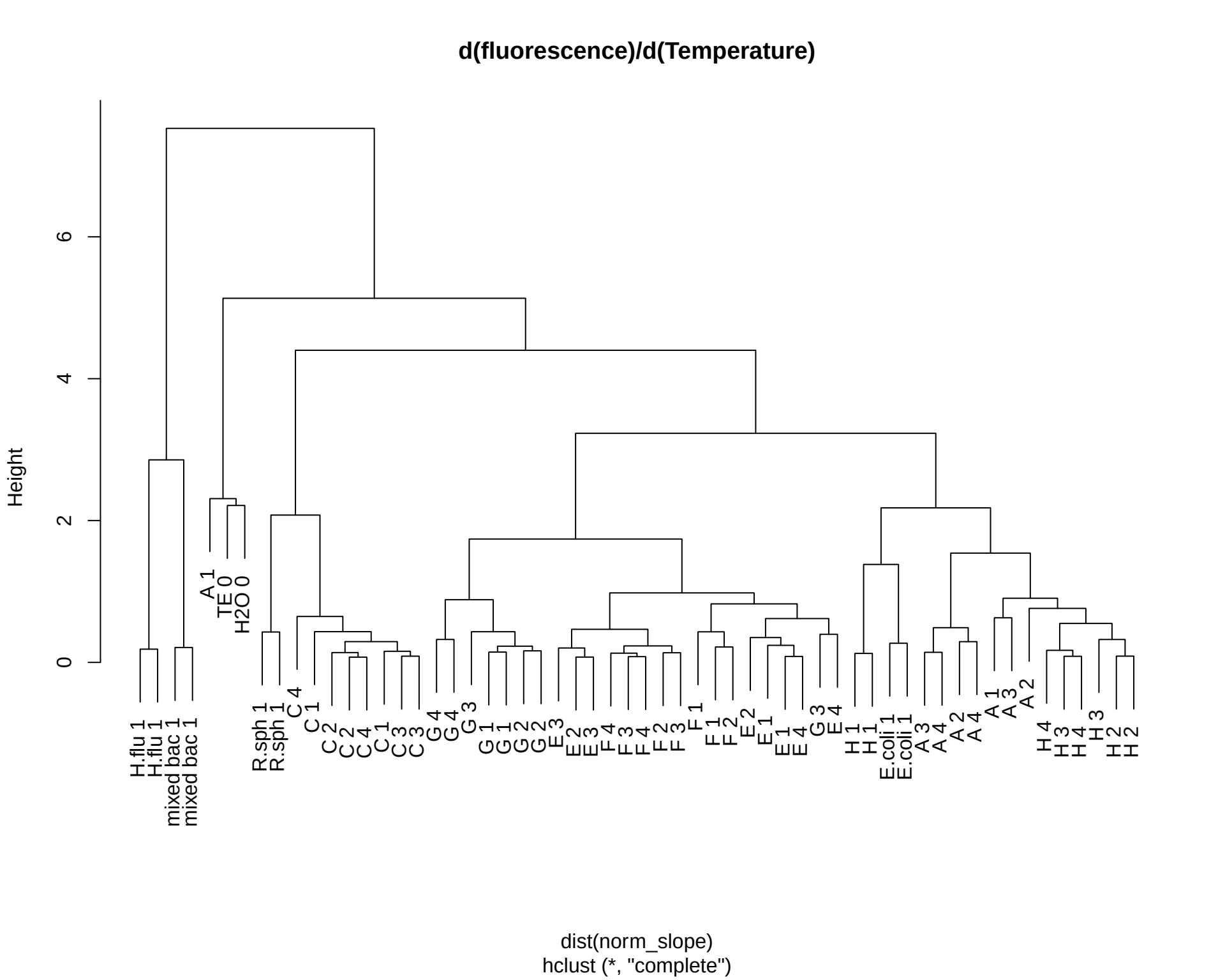
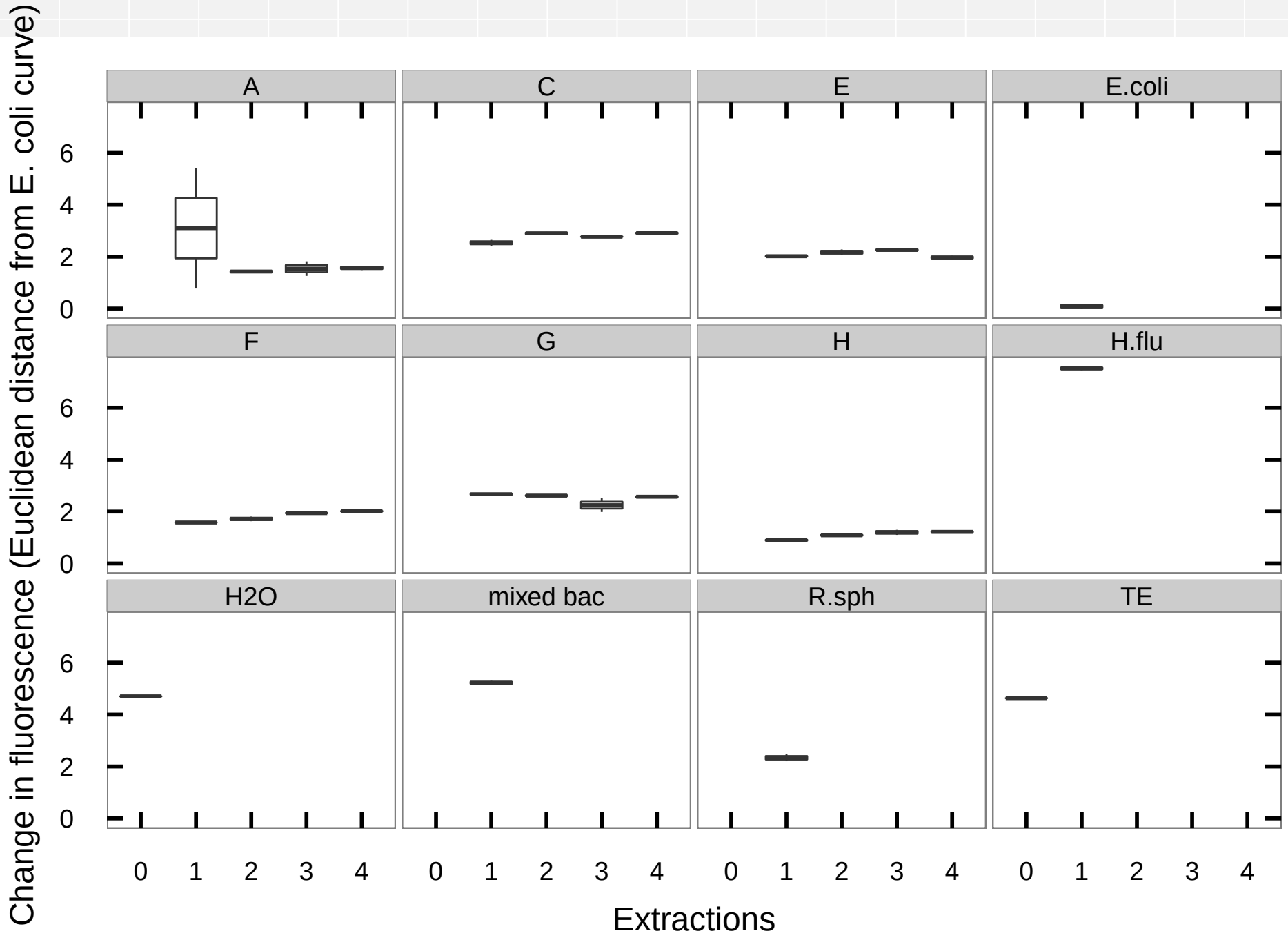
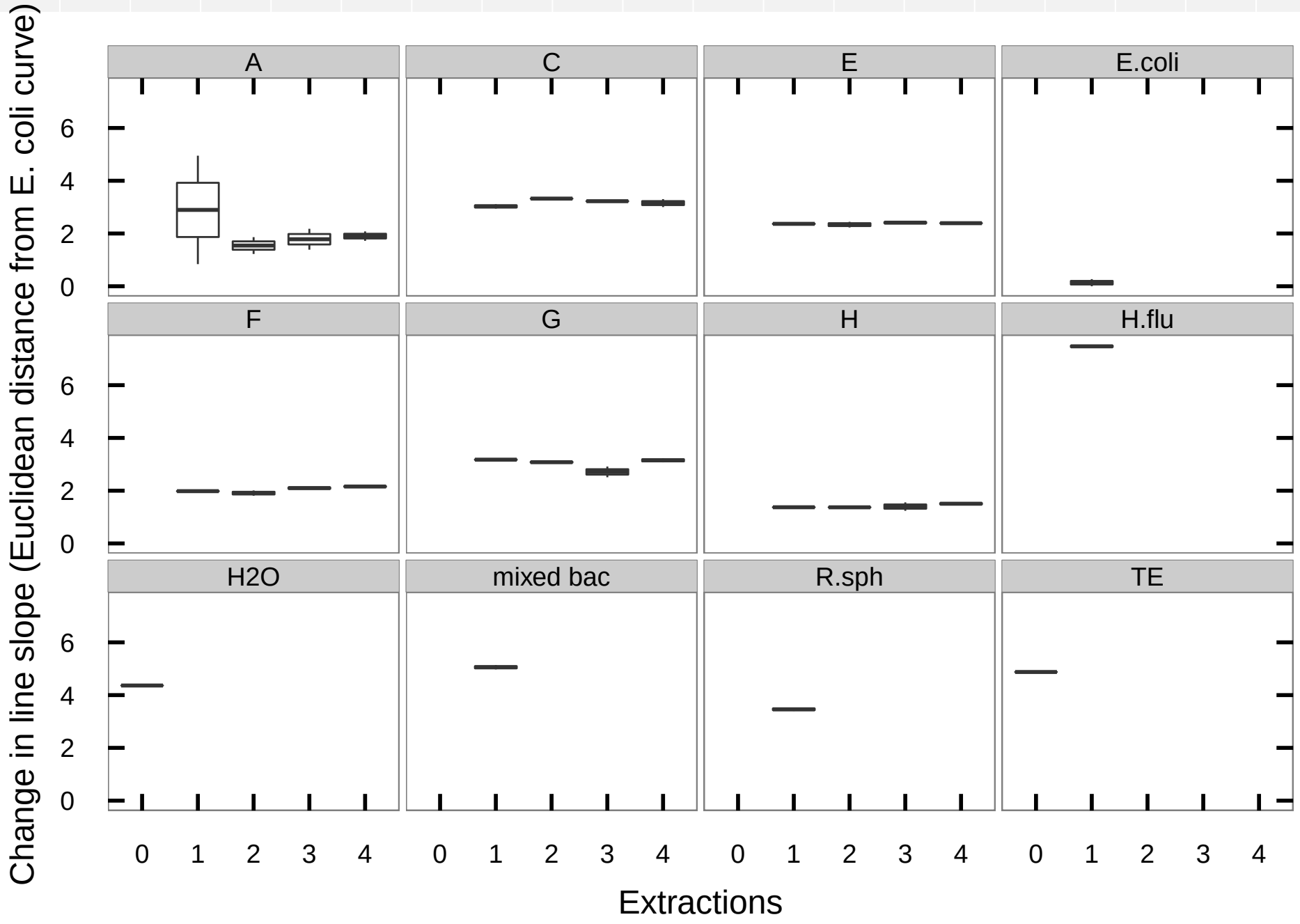
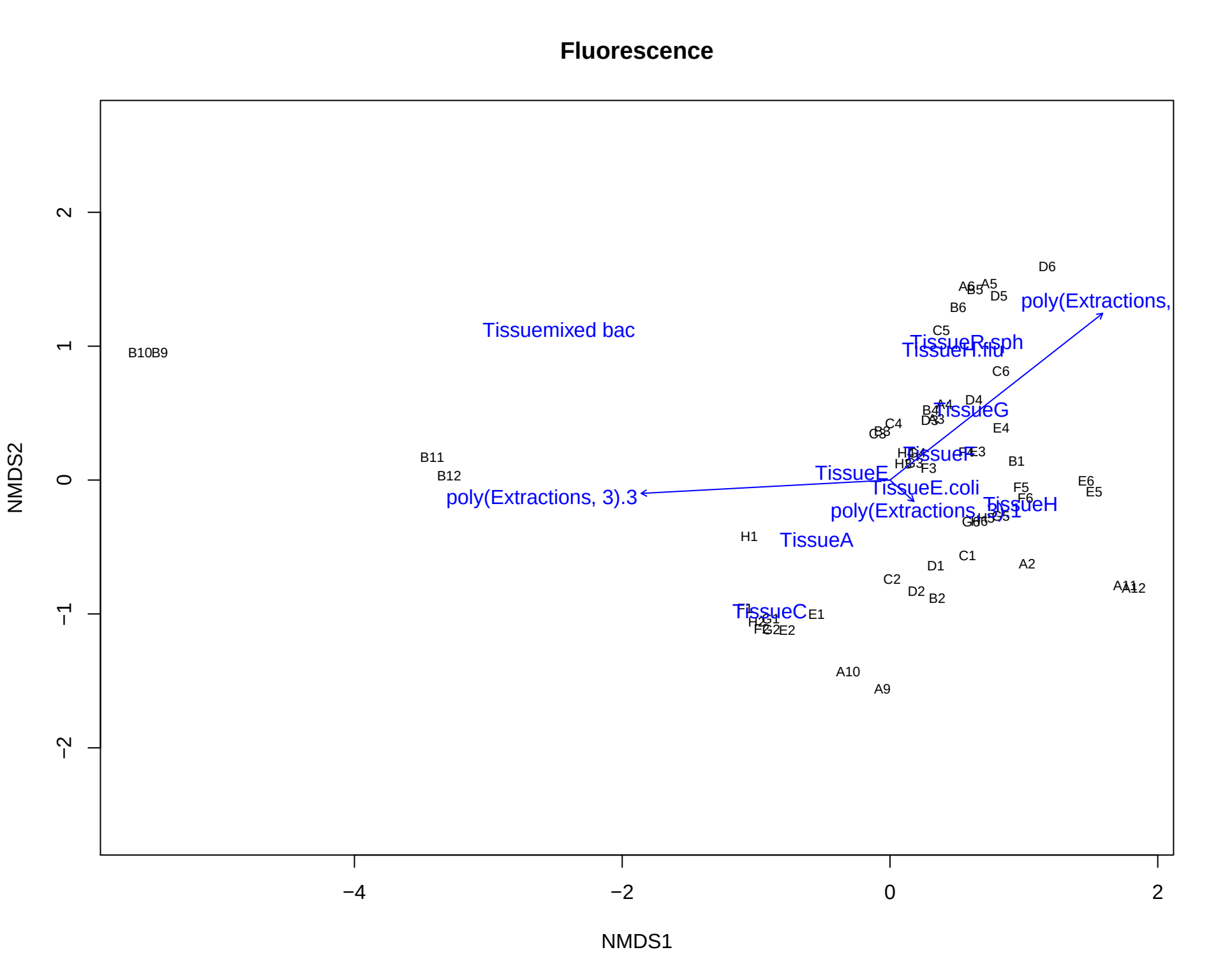
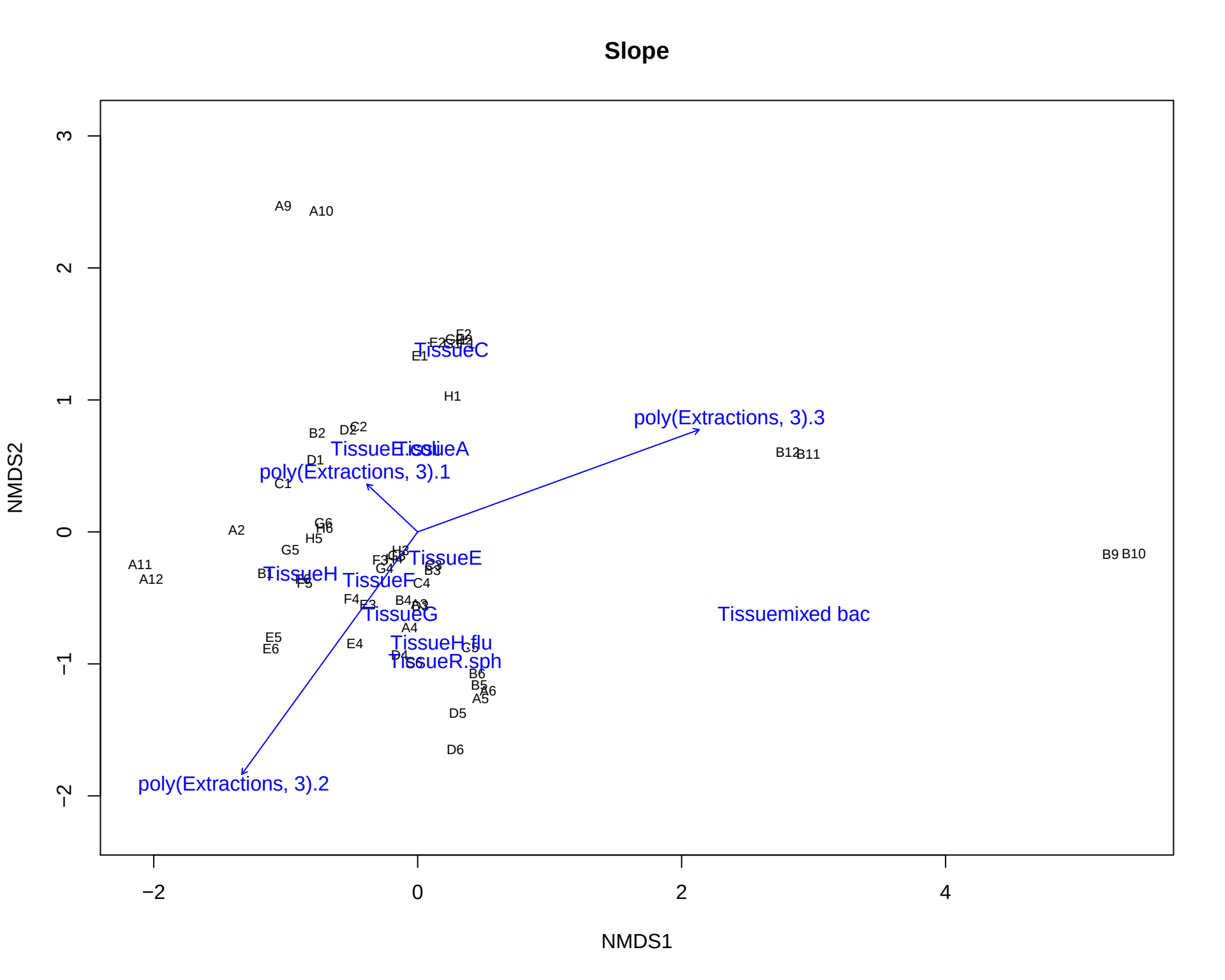

fluorescence
Height
0
2
4
6
8
H.flu 1
H.flu 1
mixed bac 1
mixed bac 1
H2O 0
A 1
TE 0
R.sph 1
R.sph 1
C 4
C 1
C 2
C 1
C 2
C 3
C 3
C 4
G 4
G 3
G 1
G 4
G 2
G 1
G 2
H 1
H 1
E.coli 1
E.coli 1
E 1
E 4
E 1
E 2
E 3
E 2
E 3
F 2
F 3
F 4
F 3
F 4
A 2
G 3
F 1
F 2
E 4
F 1
A 1
H 2
H 2
H 3
H 3
H 4
H 4
A 3
A 4
A 3
A 2
A 4
dist(norm_fluor)
hclust (*, "complete")

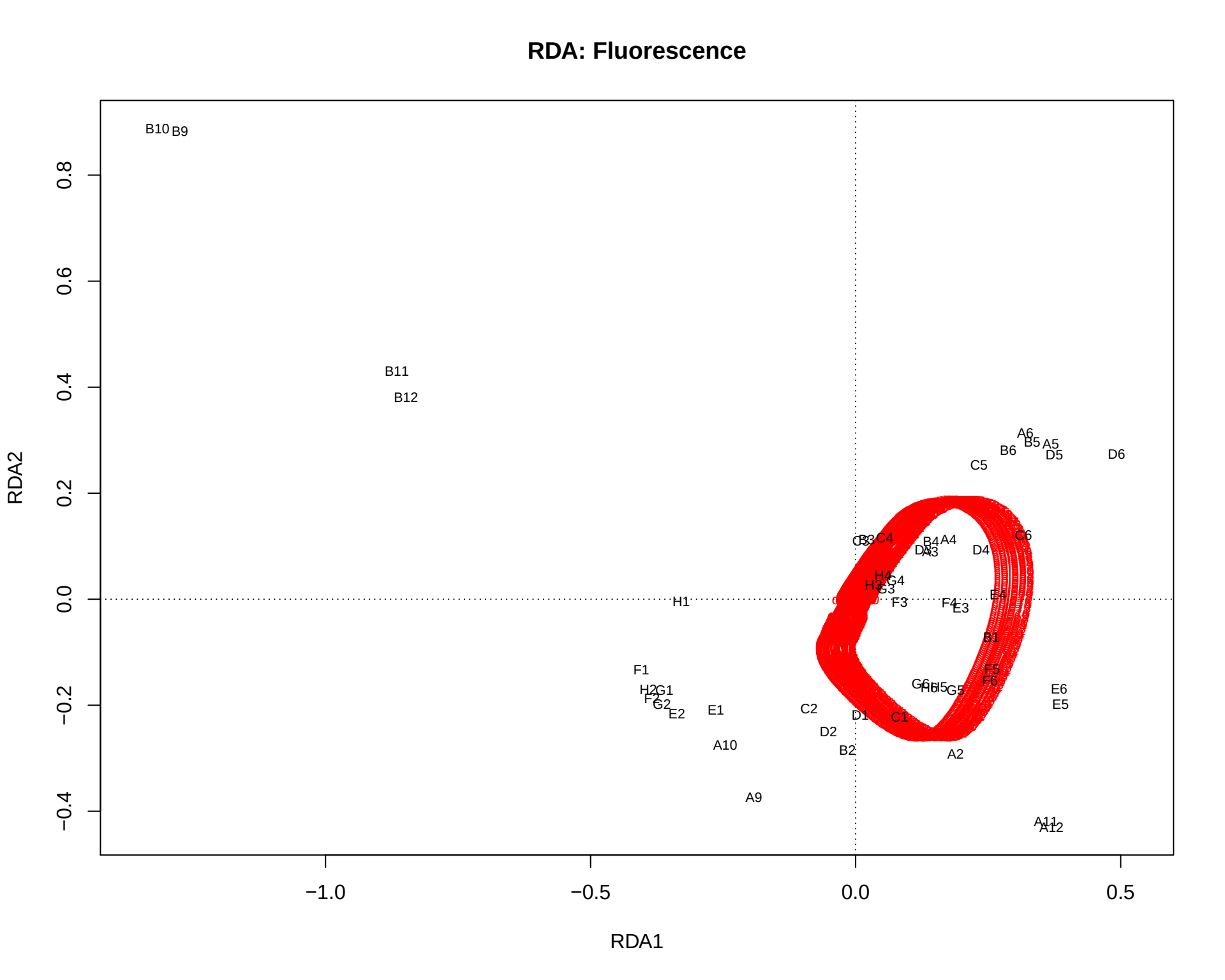

d(fluorescence)/d(Temperature)
Height
0
2
4
6
H.flu 1
H.flu 1
mixed bac 1
mixed bac 1
A 1
TE 0
H2O 0
R.sph 1
R.sph 1
C 4
C 1
C 2
C 2
C 4
C 1
C 3
C 3
G 4
G 4
G 3
G 1
G 1
G 2
G 2
E 3
E 2
E 3
F 4
F 3
F 4
F 2
F 3
F 1
F 1
F 2
E 2
E 1
E 1
E 4
G 3
E 4
H 1
H 1
E.coli 1
E.coli 1
A 3
A 4
A 2
A 4
A 1
A 3
A 2
H 4
H 3
H 4
H 3
H 2
H 2
dist(norm_slope)
hclust (*, "complete")

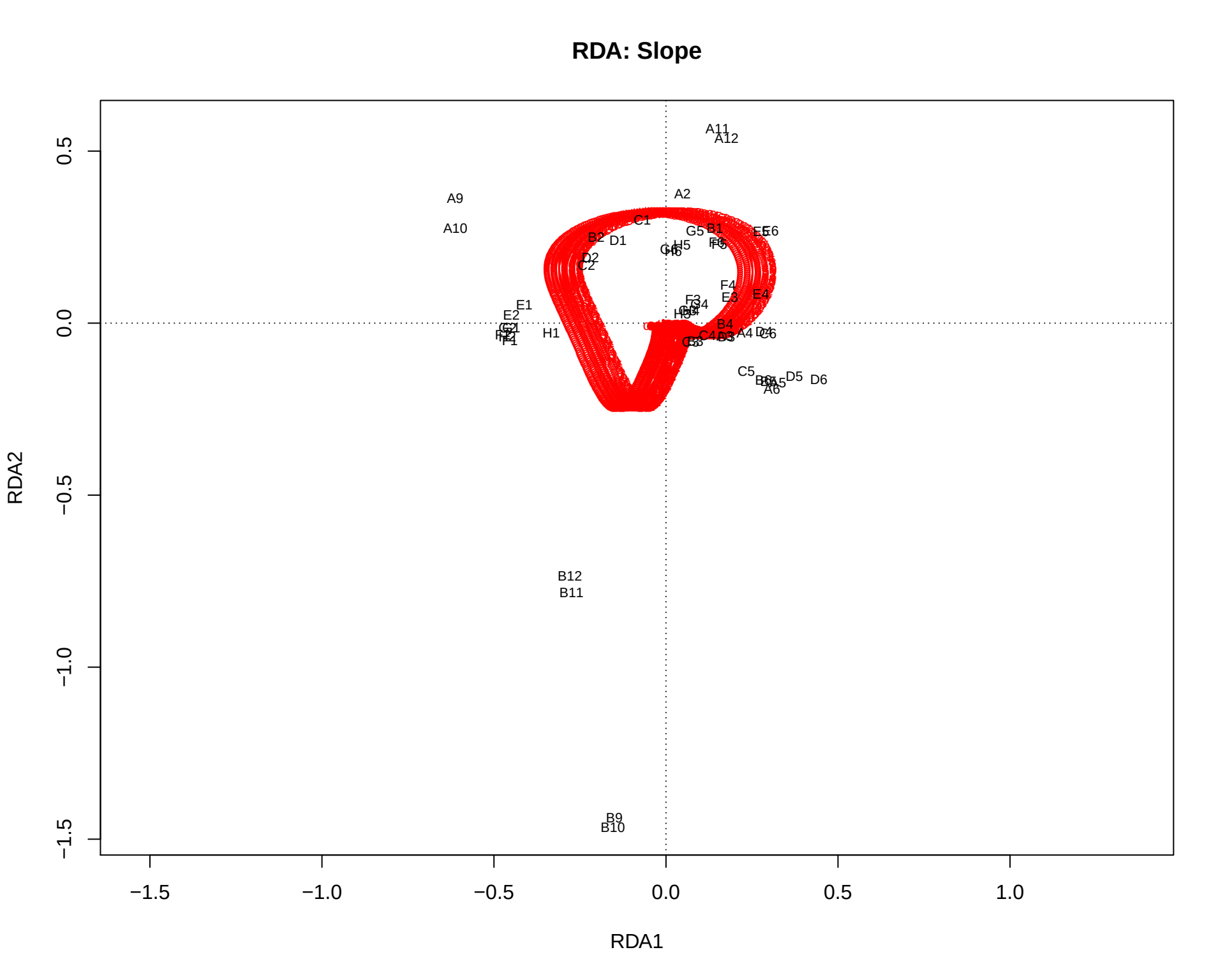

A
C
E
E.coli
F
G
H
H.flu
H2O
mixed bac
R.sph
TE
Change in fluorescence (Euclidean distance from E. coli curve)
0
2
4
6
0
1
2
3
4
Extractions


A
C
E
E.coli
F
G
H
H.flu
H2O
mixed bac
R.sph
TE
Change in line slope (Euclidean distance from E. coli curve)
Extractions
0
2
4
6
0
1
2
3
4


Fluorescence
NMDS1
NMDS2
−4
−2
0
2
−2
−1
0
1
2
Tissuemixed bac
poly(Extractions,
TissueR.sph
TissueH.flu
TissueG
TissueF
TissueE
TissueE.coli
TissueH
poly(Extractions, 3).3
poly(Extractions, 3).1
TissueA
TissueC
B10B9
B11
B12
H1
A10
A9
D6
B6
C5
C6
E4
B1
F5
E6
E5
C1
A2
D1
C2
D2
B2
E1
E2


Slope
NMDS1
NMDS2
−2
0
2
4
3
2
1
0
−1
−2
A9
A10
TissueC
H1
poly(Extractions, 3).3
B2
D2
C2
TissueA
D1
poly(Extractions, 3).1
C1
B12
B11
A2
G6
H6
H5
G5
TissueE
A11
A12
B1
TissueH
TissueF
C4
F4
F3
B4
TissueG
Tissuemixed bac
A4
E5
E6
E4
TissueH.flu
TissueR.sph
B6
B5
A6
A5
D5
D6
B9
B10
poly(Extractions, 3).2


RDA: Fluorescence
RDA2
RDA1
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−1.0
−0.5
0.0
0.5
B10
B9
B11
B12
A6
B5
A5
B6
D5
D6
C5
C6
C4
B4
A4
D4
A3
H4
G4
G3
H1
F3
F4
E3
F4
B1
F1
F5
F6
G6
H6
H5
G5
E6
E5
H2
G1
F2
G2
E2
E1
C2
D1
C1
D2
A10
B2
A2
A9
A11
A12


RDA: Slope
RDA1
RDA2
−1.5
−1.0
−0.5
0.0
0.5
1.0
A11
A12
A9
A2
A10
C1
B2
D1
G5
B1
E5
E6
D2
C2
F4
E3
E4
E1
E2
H1
B4
C4
A4
C6
C5
D5
D6
A6
B12
B11
B9
B10