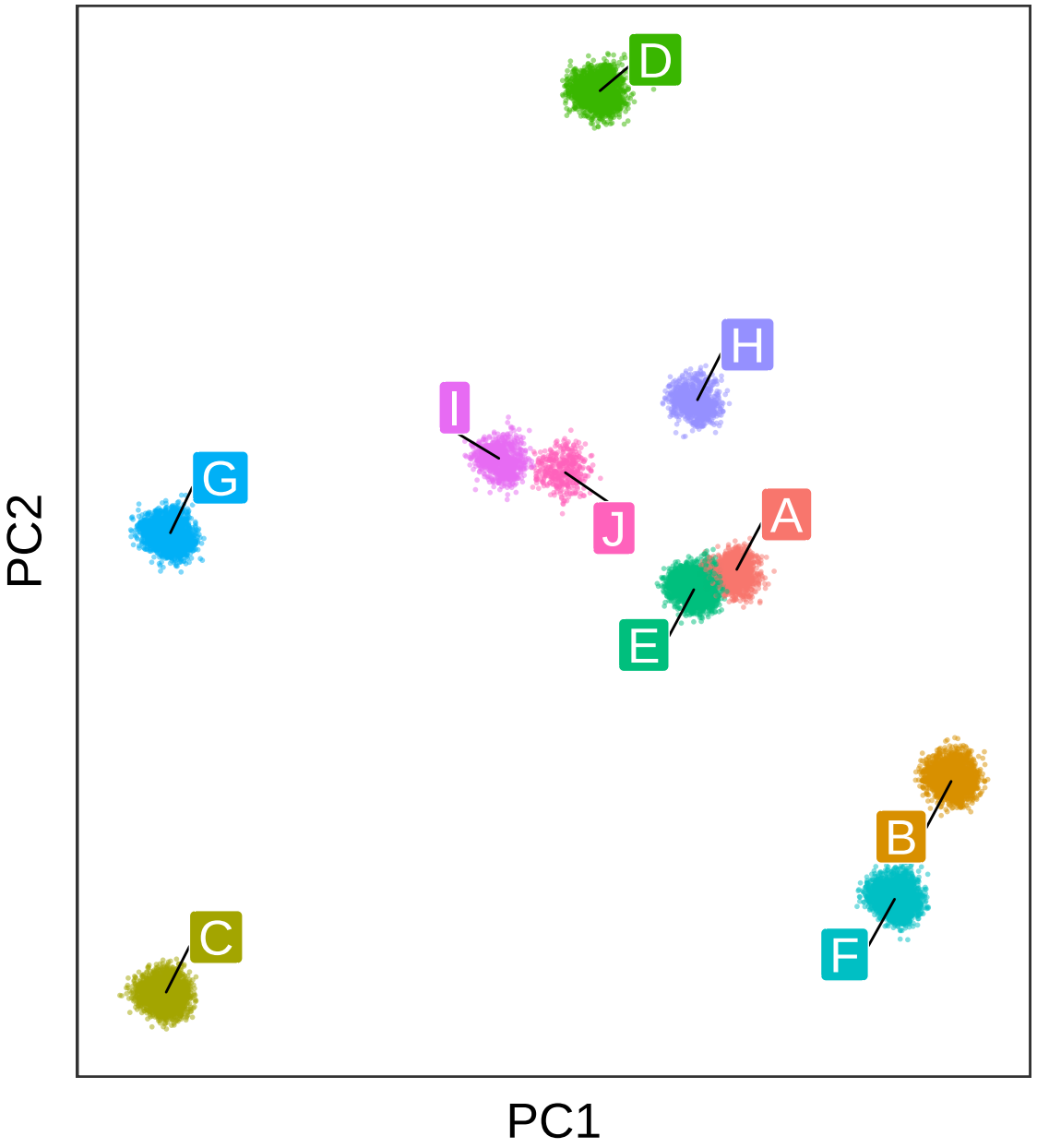
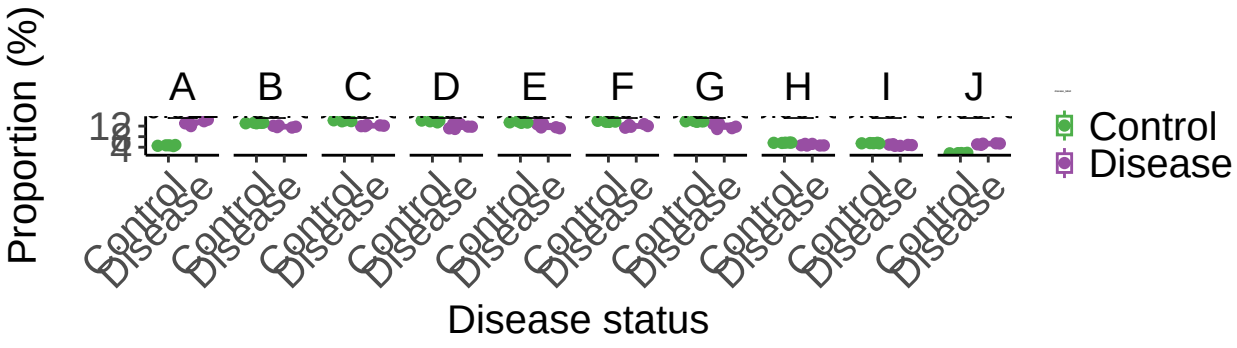
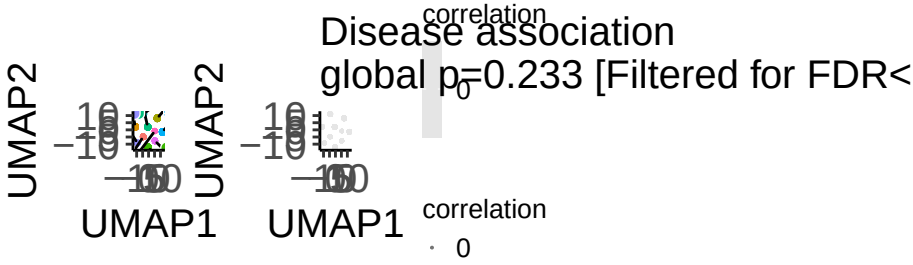
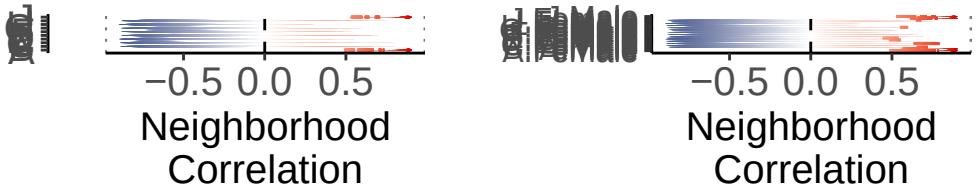
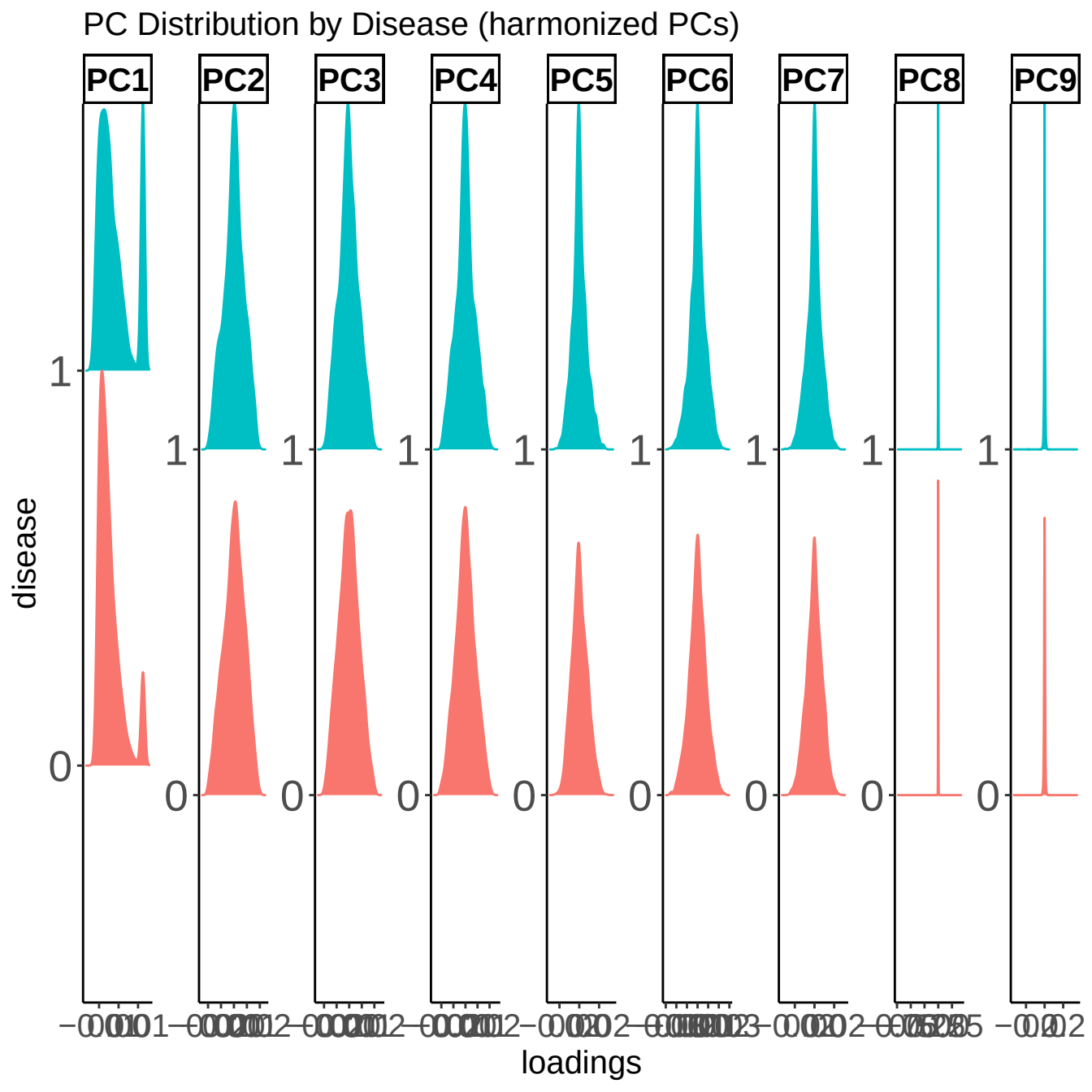

D
H
I
G
J
A
E
B
F
C
PC2
PC1

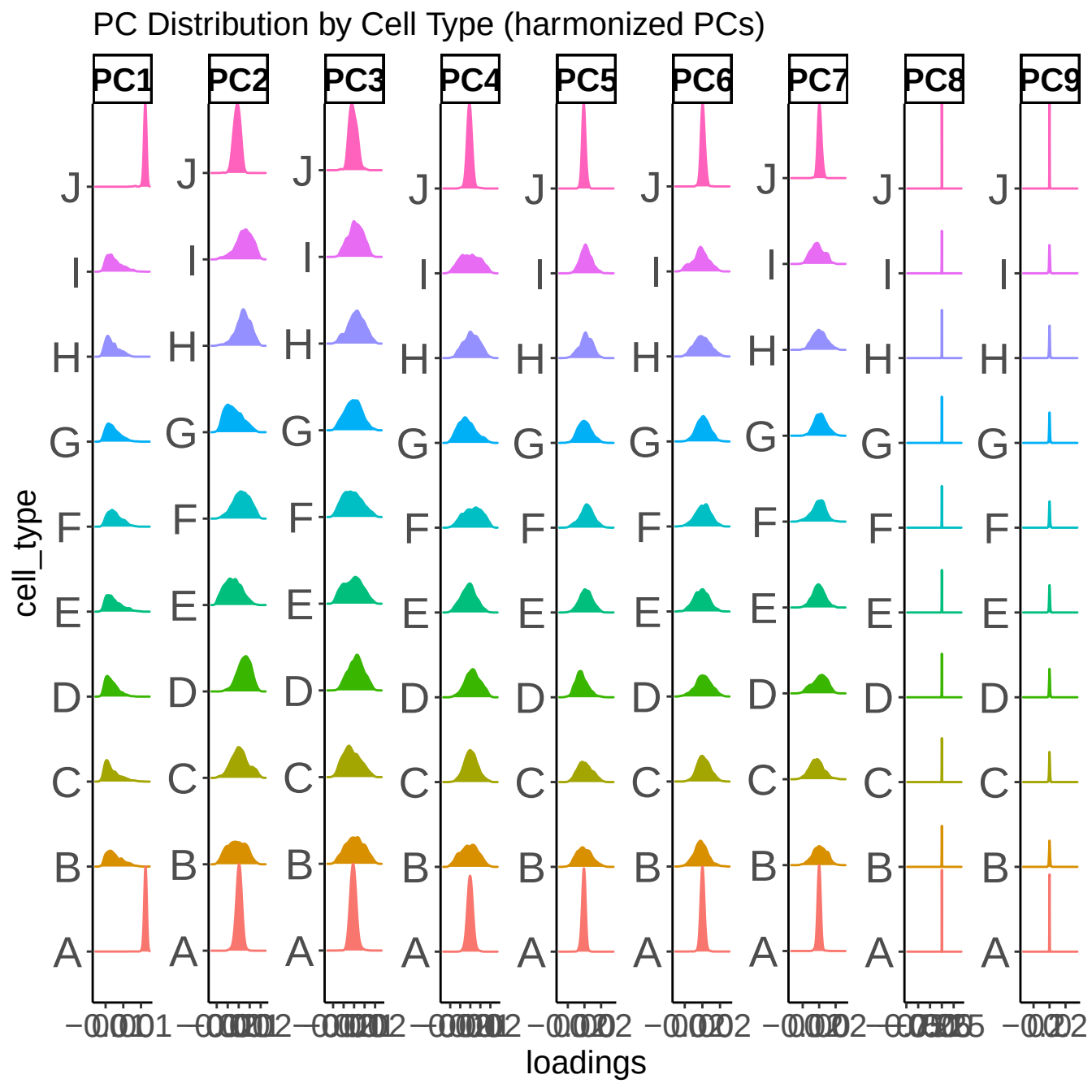

Proportion (%)
A B C D E F G H I J
Control
Disease
Disease status

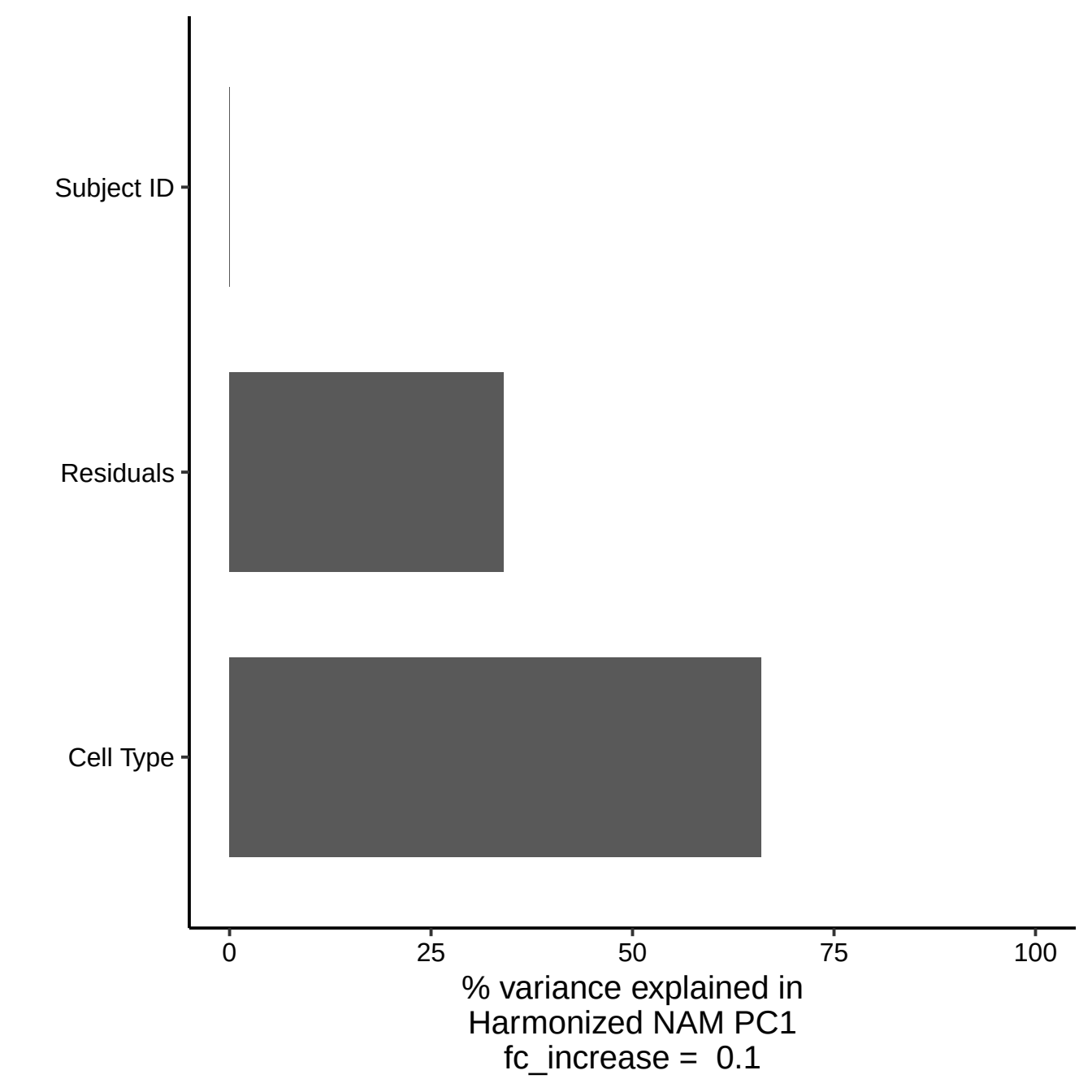
Proportion (%)
A B C D E F G H I J
Control
Disease
Disease status


Disease association
global p0=0.233 [Filtered for FDR<0.
correlation
UMAP2
UMAP1
UMAP1
correlation
0


−0.5 0.0 0.5
Neighborhood Correlation
−0.5 0.0 0.5
Neighborhood Correlation


PC Distribution by Disease (harmonized PCs)
PC1
PC2
PC3
PC4
PC5
PC6
PC7
PC8
PC9
disease
1
0
loadings


PC Distribution by Cell Type (harmonized PCs)
PC1
PC2
PC3
PC4
PC5
PC6
PC7
PC8
PC9
cell_type
J
I
H
G
F
E
D
C
B
A
loadings


Subject ID
Residuals
Cell Type
0
25
50
75
100
% variance explained in
Harmonized NAM PC1
fc_increase = 0.1