chr1 chr2 chr3

numeric matrix

Sample_1
Sample_2
Sample_4
Sample_3
Sample_5
Sample_8
Sample_9
Sample_6
Sample_7
Sample_10

character matrix

Sample_1
Sample_2
Sample_3
Sample_4
Sample_5
Sample_6
Sample_7
Sample_8
Sample_9
Sample_10

gene_1 gene_2 gene_3 gene_4 gene_5 gene_6 gene_7 gene_8 gene_9

pt

0.5
0
−0.5
−1

bar

0.5
0
−0.5

subgroup A B **mat** −1 −0.5 0 0.5 1 **CNV** gain loss