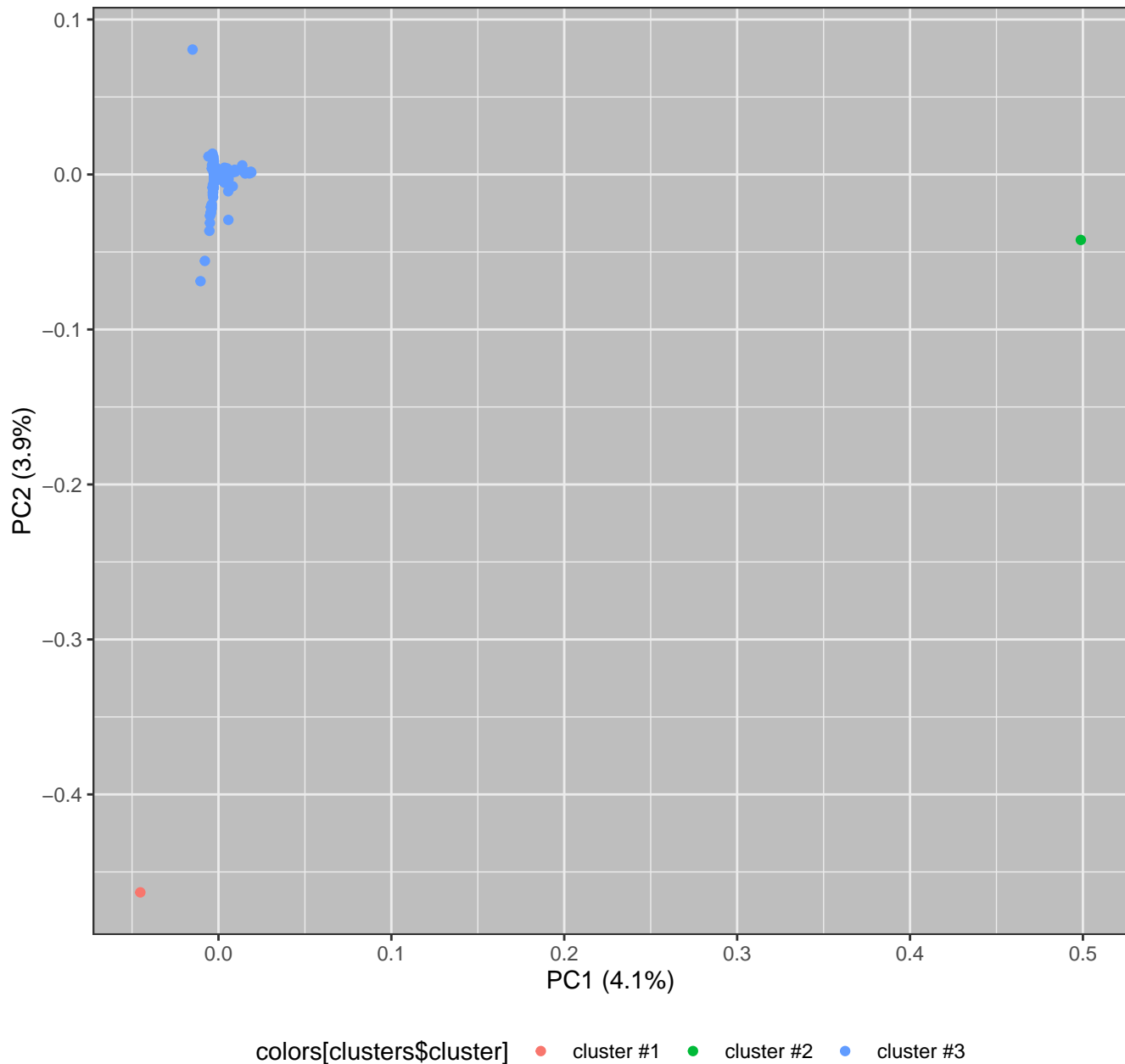


A PCA plot showing the first two principal components, PC1 (4.1%) on the x-axis and PC2 (3.2%) on the y-axis. The plot displays two distinct clusters of data points. The first cluster, colored red, is located in the upper left quadrant, centered around PC1 = -0.05 and PC2 = 0.8. The second cluster, colored teal, is located in the lower right quadrant, centered around PC1 = 0.5 and PC2 = -0.2. The background is a light gray grid.

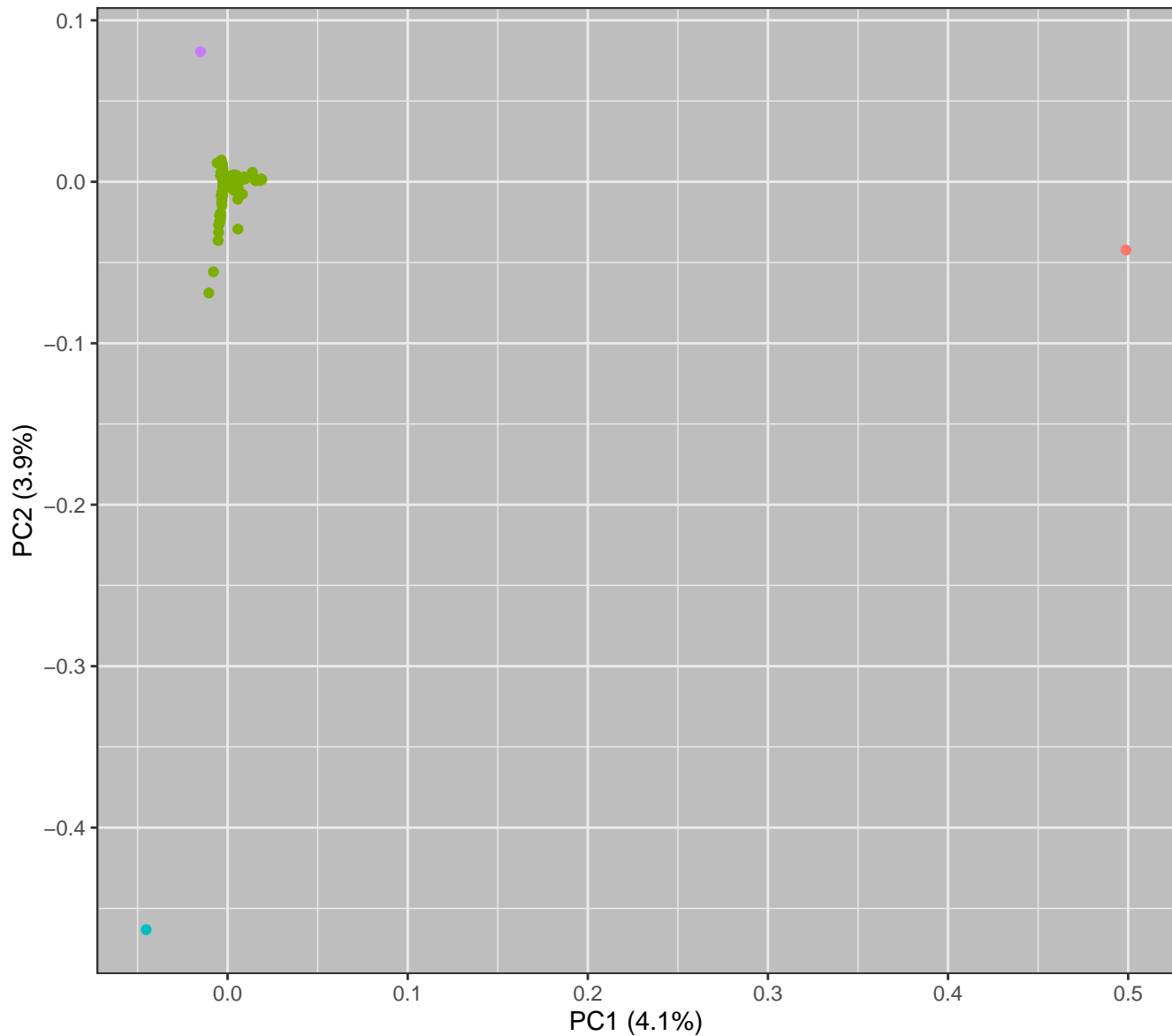
cluster #1

cluster #2

Kmeans: K = 3

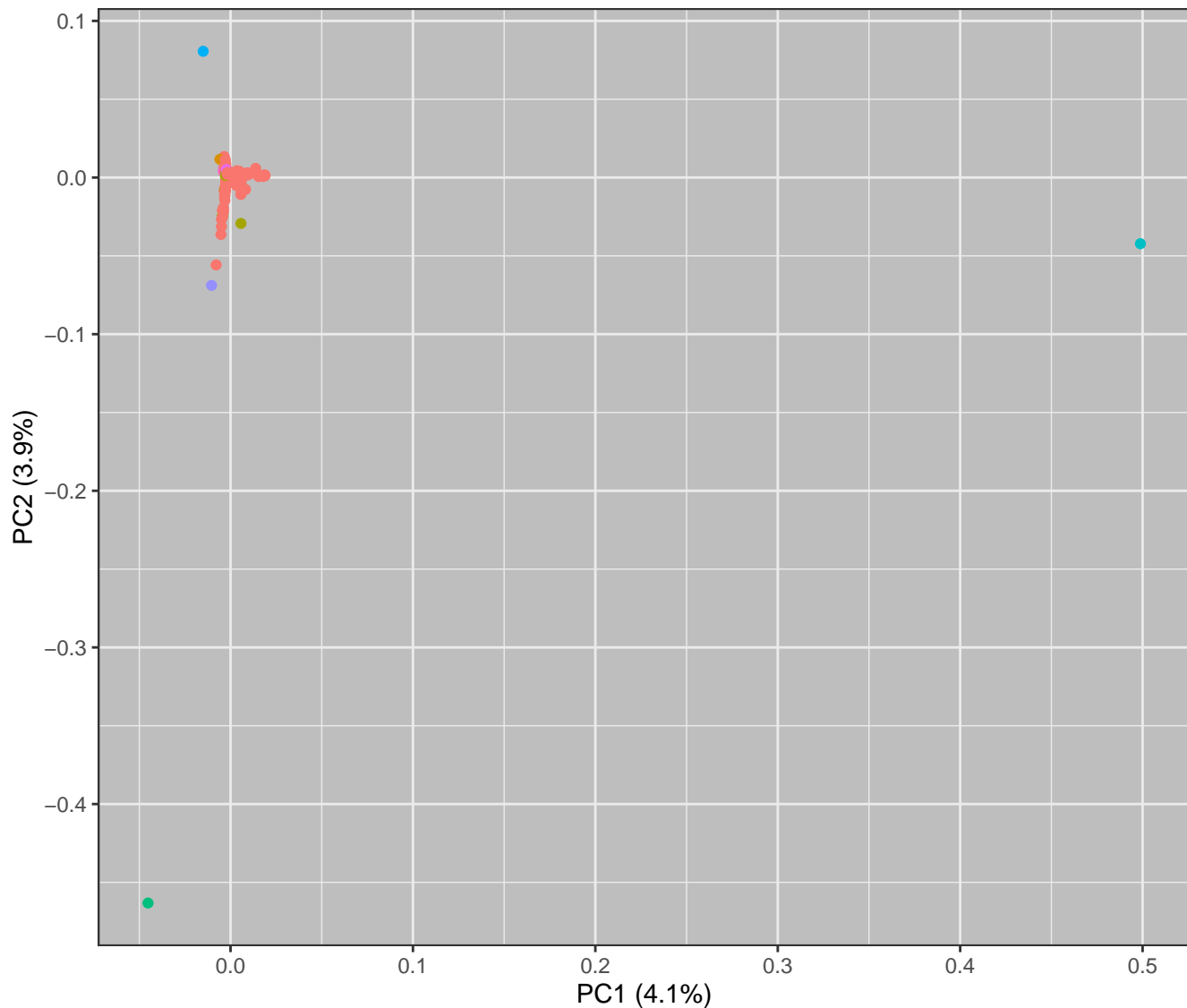


Kmeans: K = 4



colors[clusters\$cluster] ● cluster #1 ● cluster #2 ● cluster #3 ● cluster #4

Kmeans: K = 10



colors[clusters\$cluster]

cluster #1

cluster #2

cluster #4

cluster #6

cluster #8

cluster #10

cluster #3

cluster #5

cluster #7

cluster #9