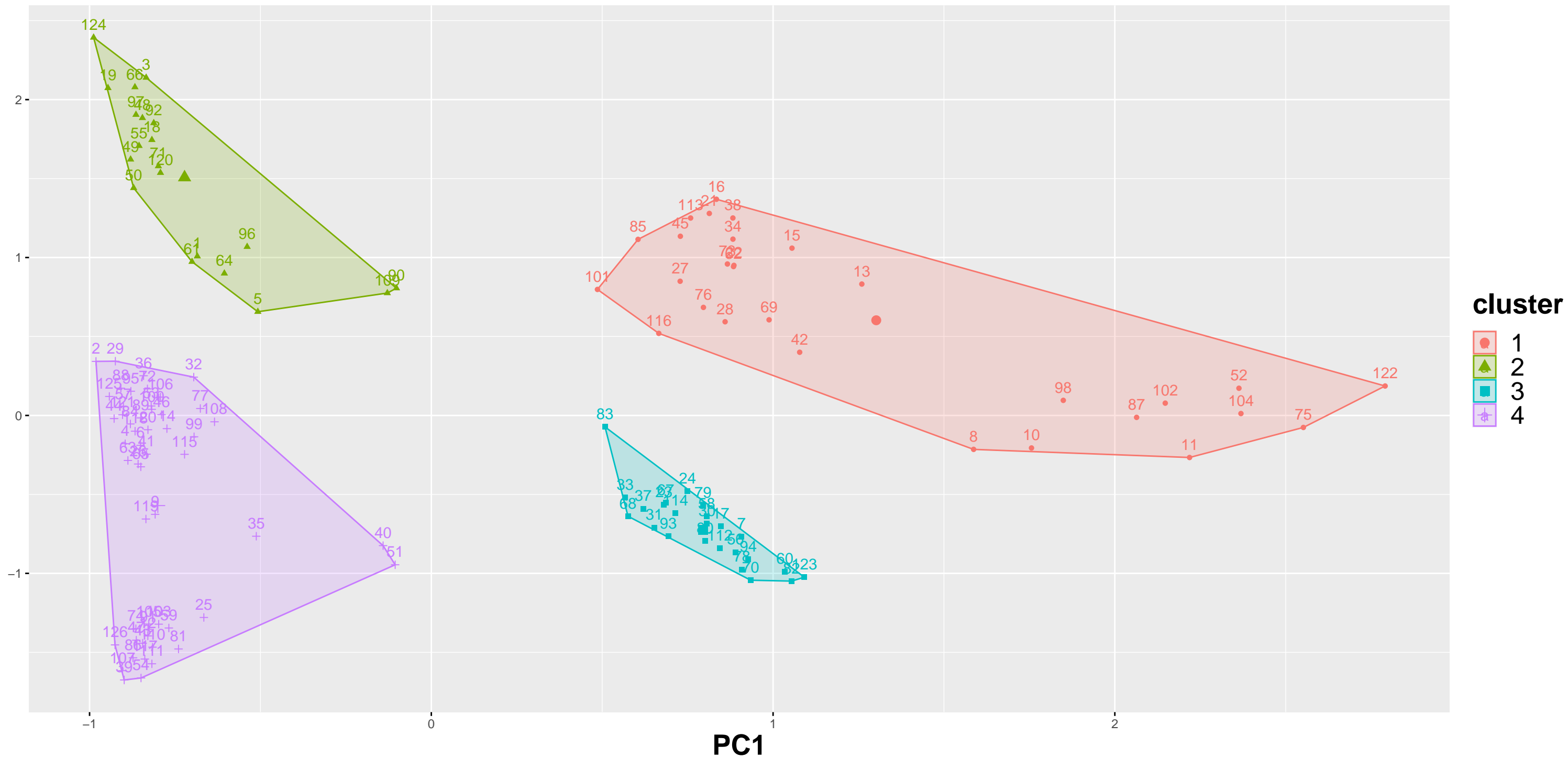


Best K-means clustering plot

PC2



This PCA plot displays the first two principal components (PC1 and PC2) for 30 soil samples. The samples are categorized into three groups based on their color: Soils (orange), Sediments (green), and Shales (yellow). The x-axis represents PC1 (25.54 %) and the y-axis represents PC2 (18.82 %). The plot shows three distinct clusters of samples, indicating significant differences in their chemical and mineralogical compositions. The Soils cluster is located on the left, the Sediments cluster is in the center, and the Shales cluster is on the right. Each sample is labeled with its name, and the labels are color-coded to match the sample color.

a	hom1
a	hz
a	hom2

Heterozygosity between the Kmeans-based groups

Proportion of heterozygous sites

