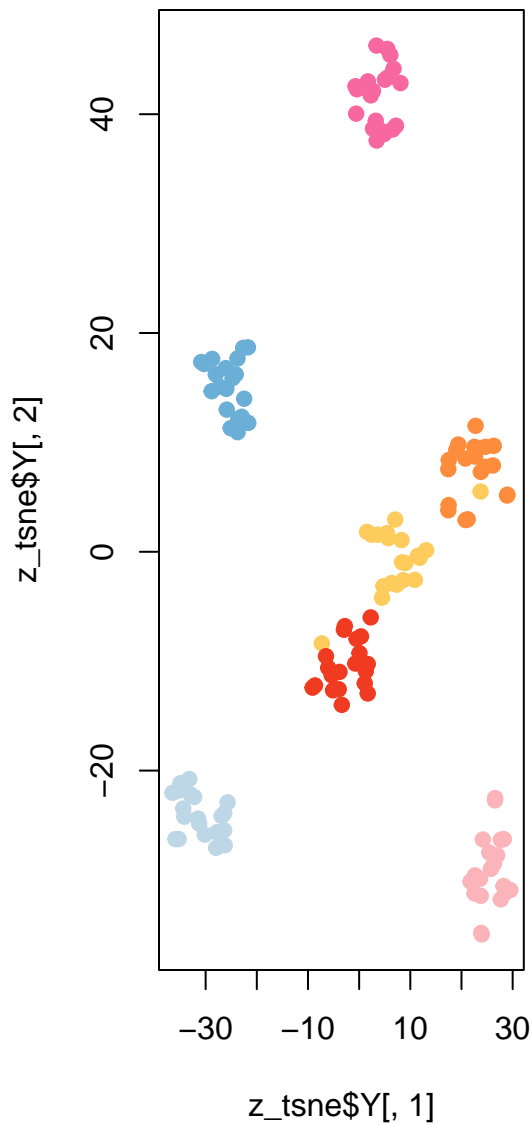**PCA, true labels**
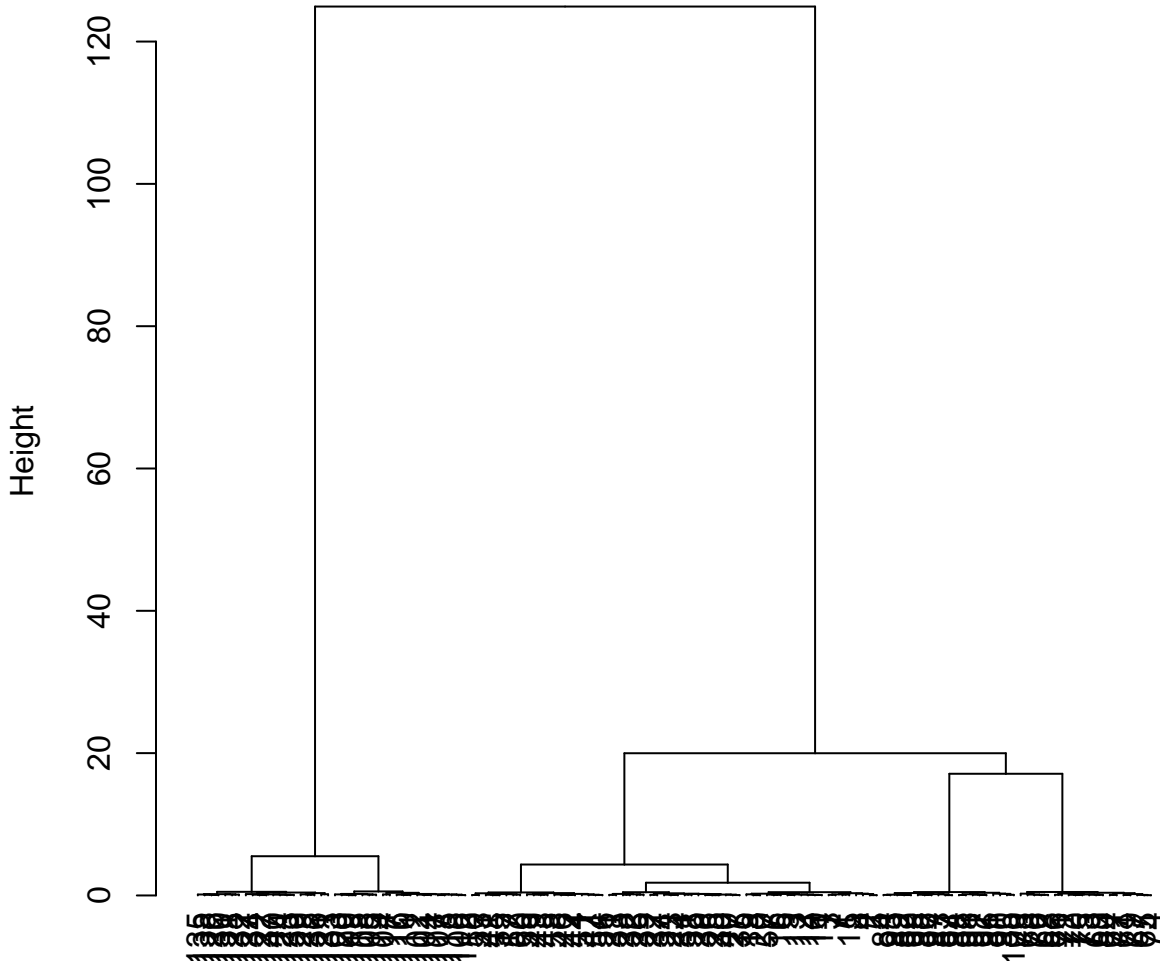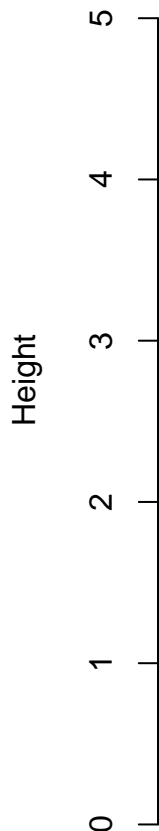
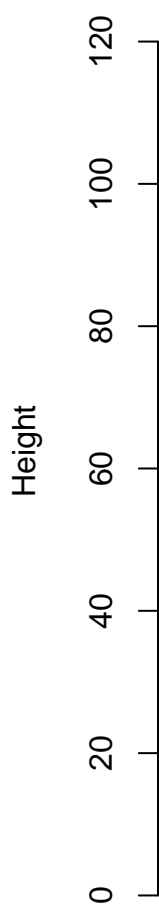**TSNE, true labels, perplexity 5**

Dendrogram: Ward criterion

Dendrogram, First cluster group

Dendrogram: Ward criterion

Dendrogram: Ward criterion

Height

Hierarchical Clustering, 2 clusters

z[, 2]

z[, 1]

Dendrogram: Ward criterion
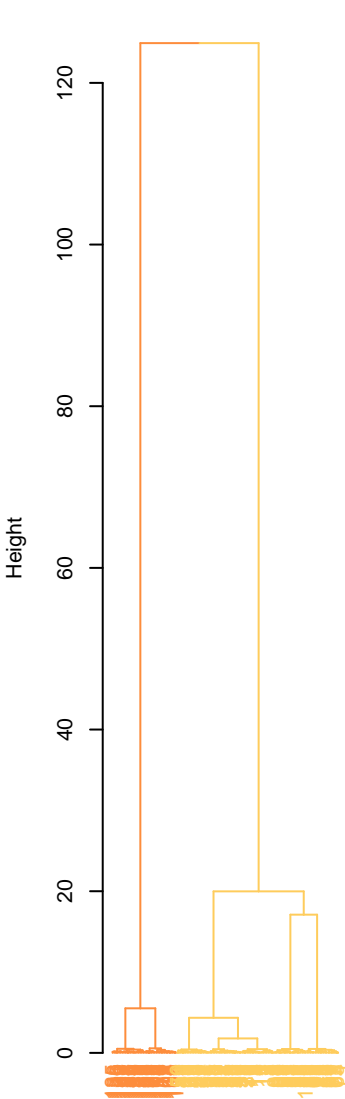
Height

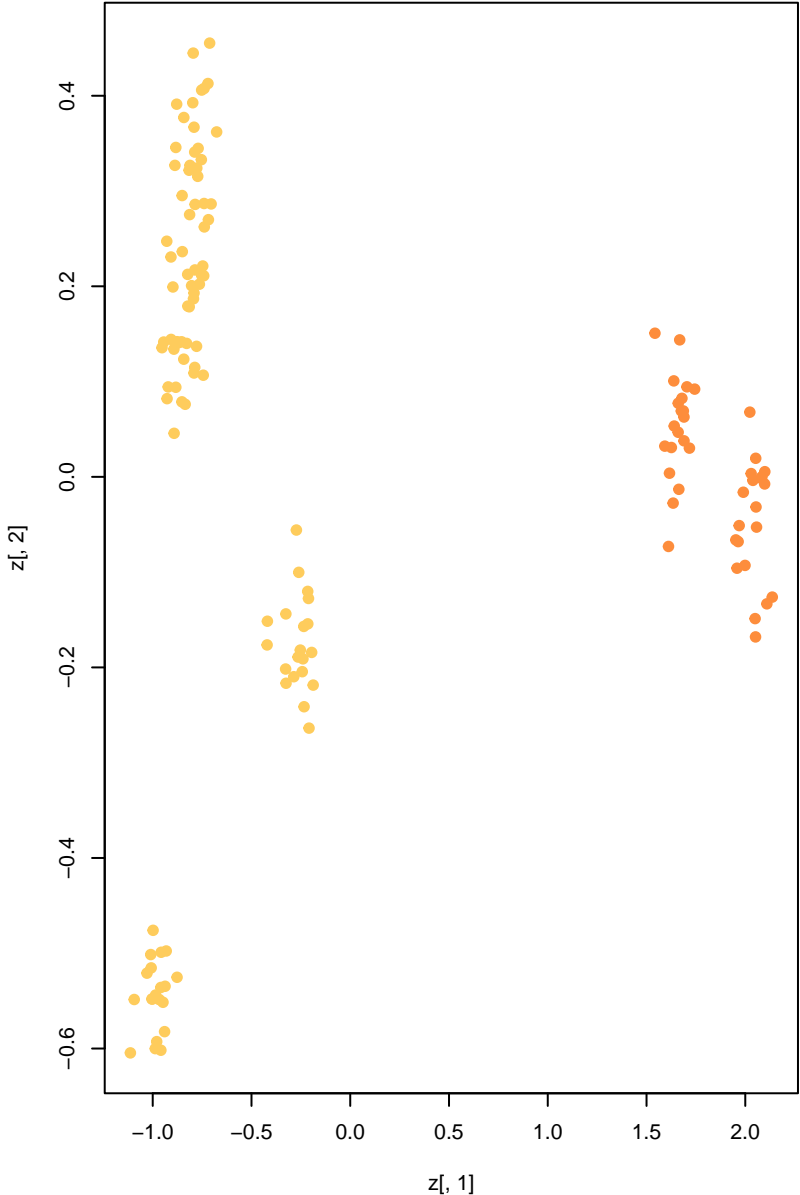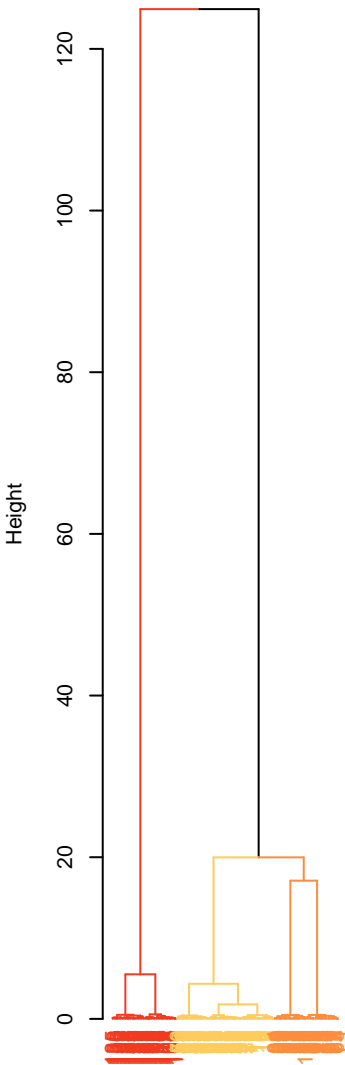**Hierarchical Clustering, 3 clusters**
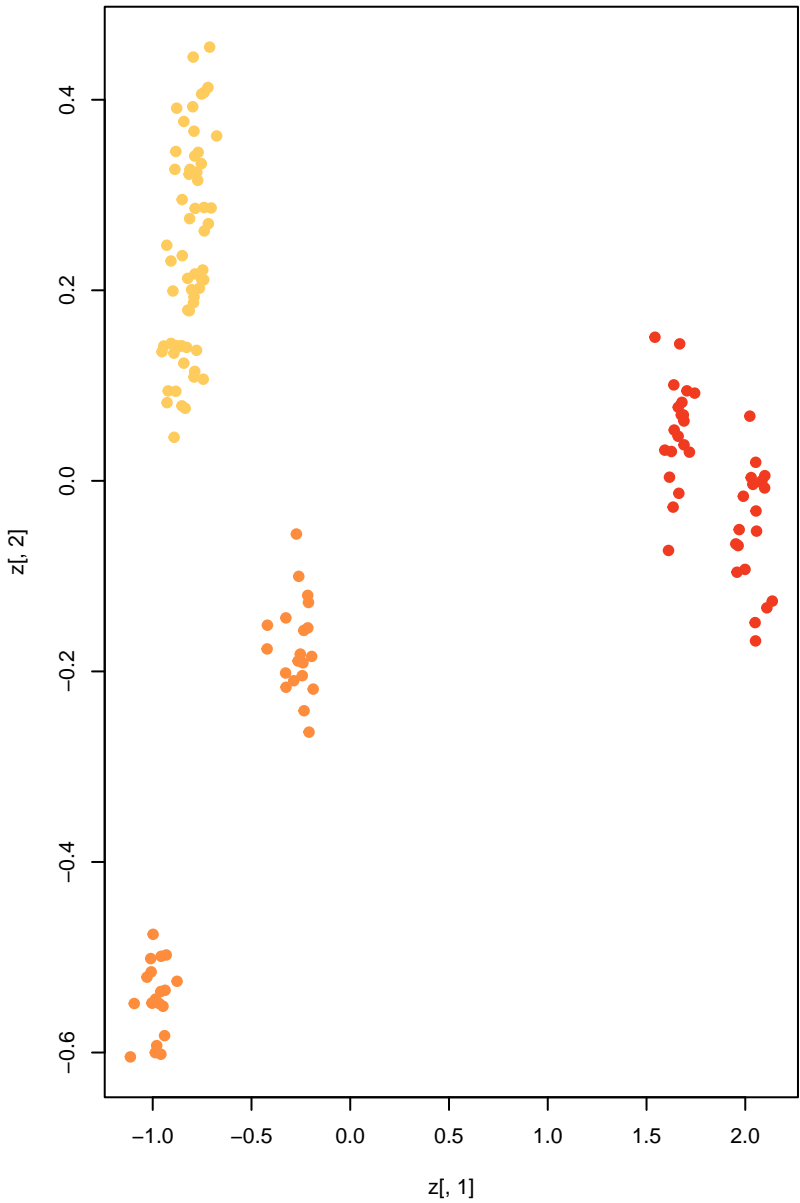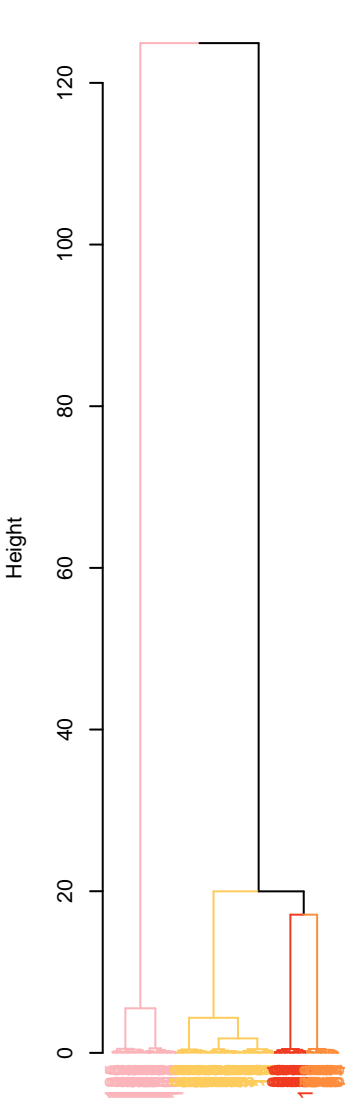
z[, 2]

z[, 1]

Dendrogram: Ward criterion

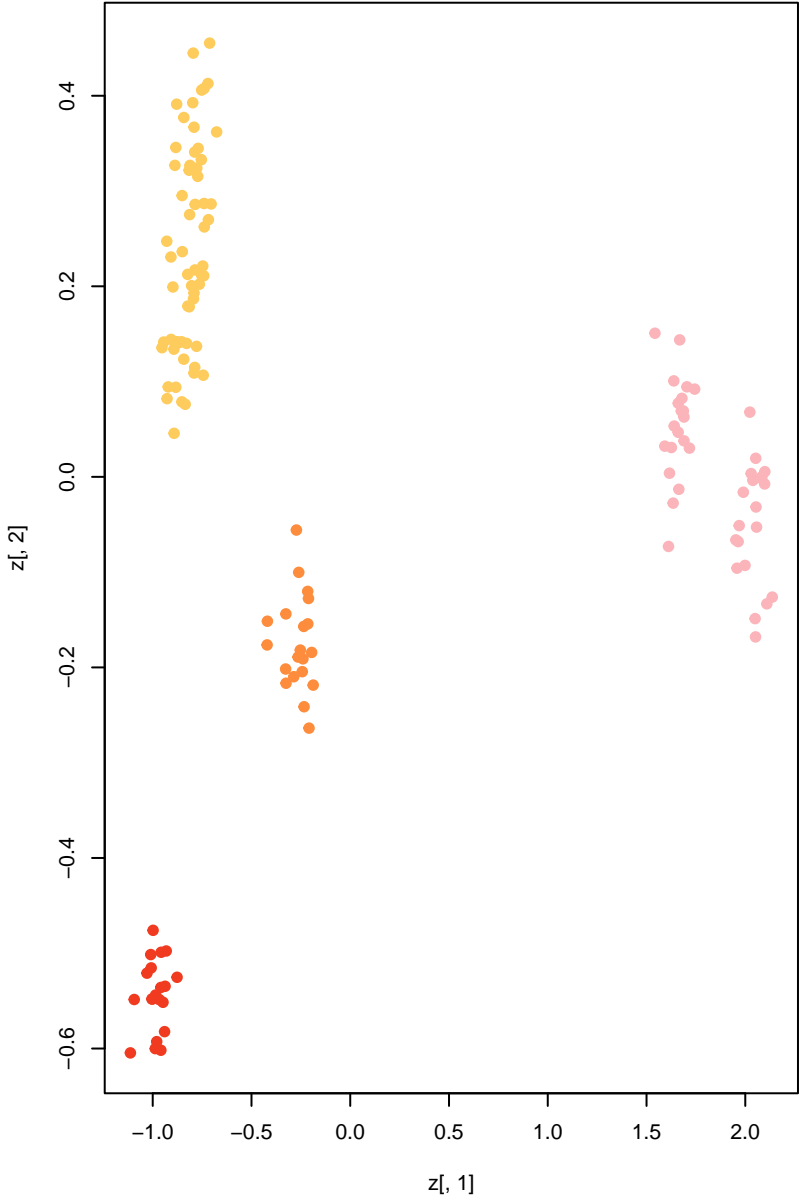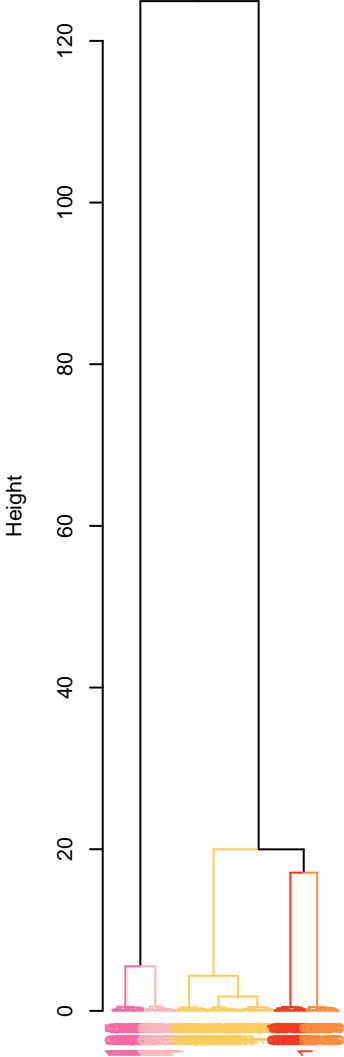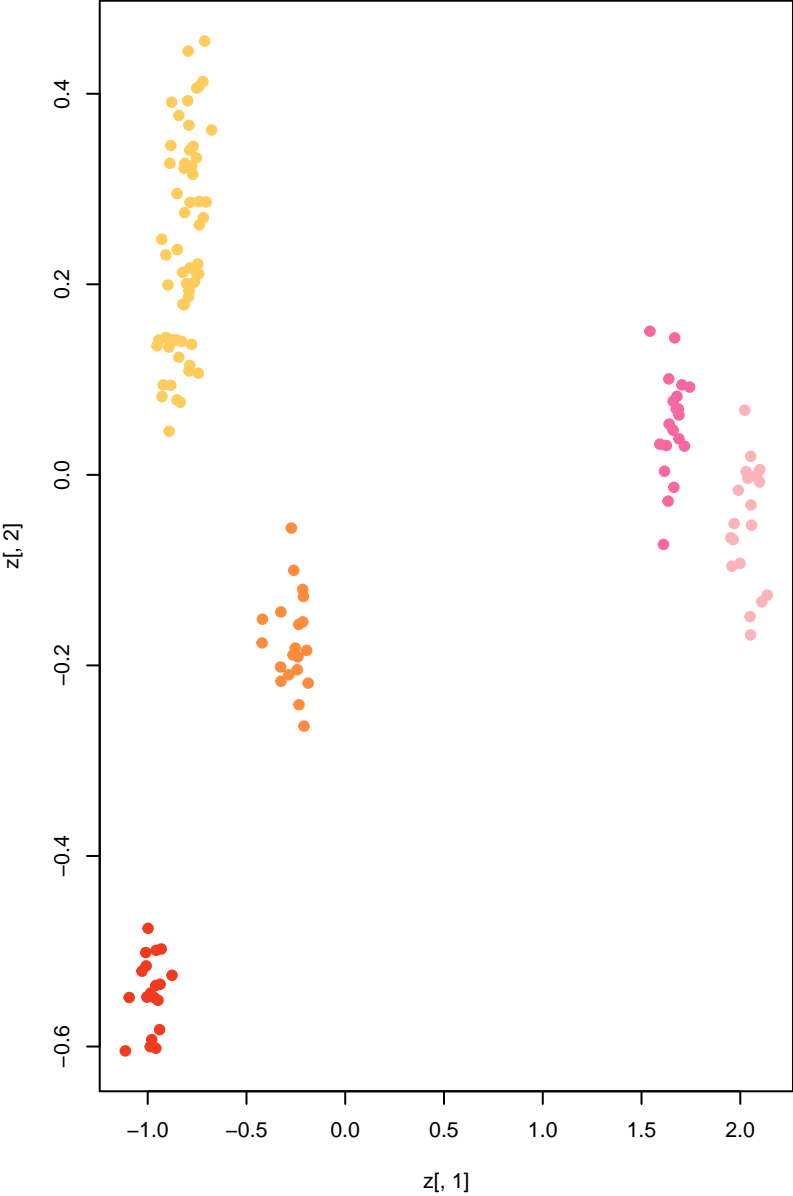**Hierarchical Clustering, 4 clusters**

Dendrogram: Ward criterion

Hierarchical Clustering, 5 clusters

Dendrogram: Ward criterion

Height

Hierarchical Clustering, 6 clusters

z[, 2]

z[, 1]

Dendrogram: Ward criterion

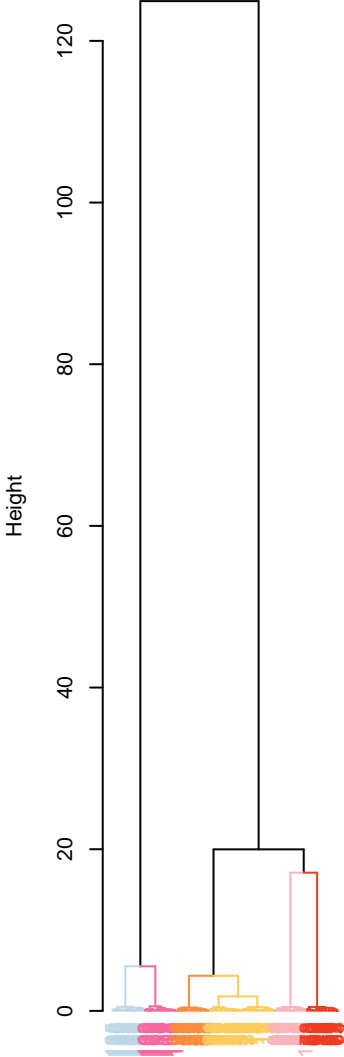**Hierarchical Clustering, 7 clusters**

Height

z[, 2]

z[, 1]

Dendrogram: Ward criterion

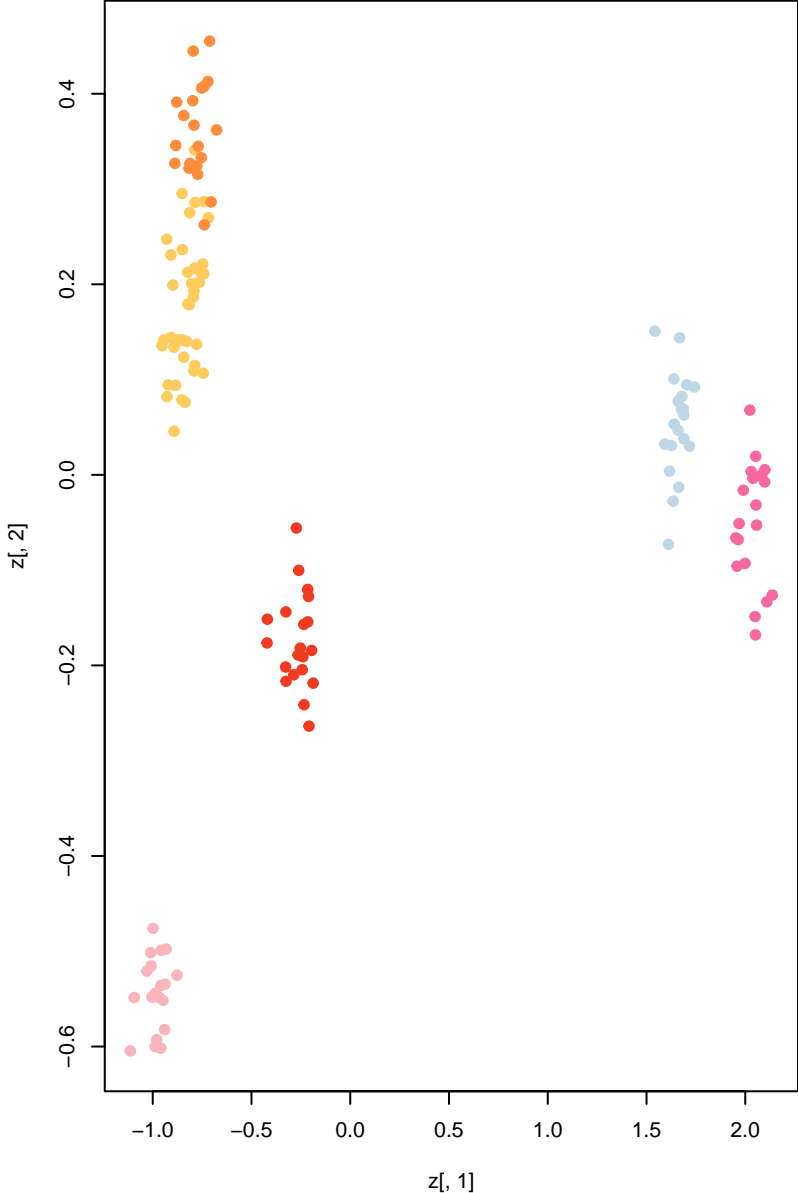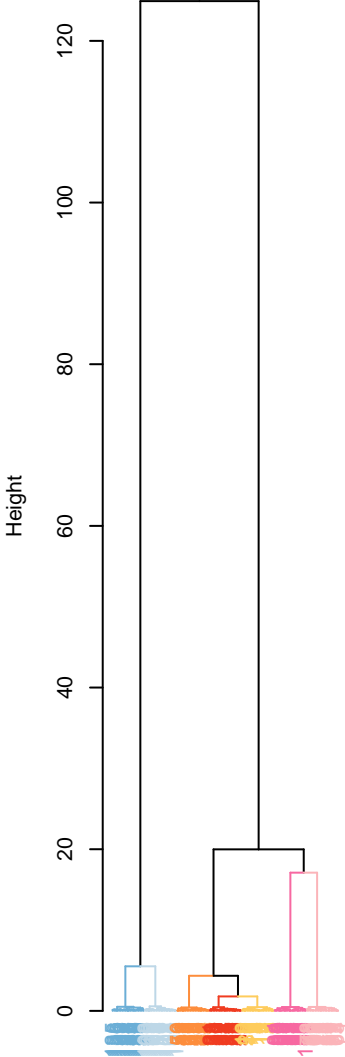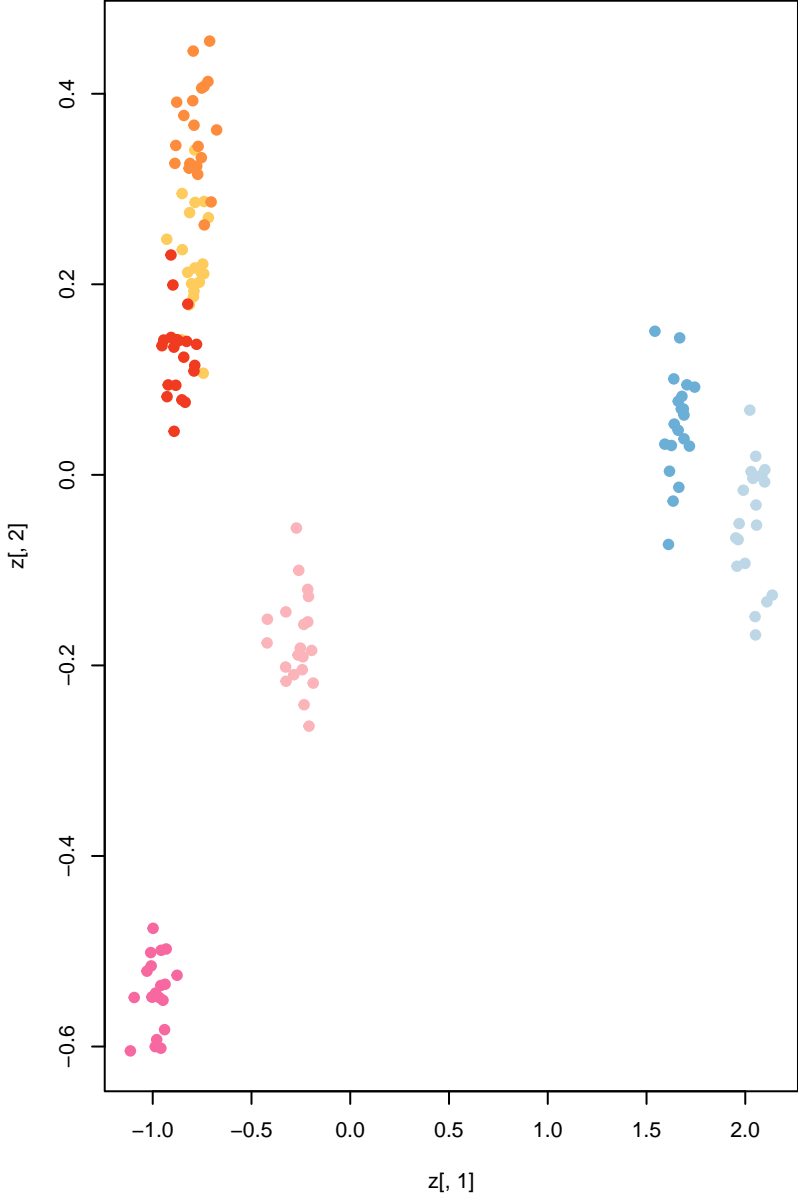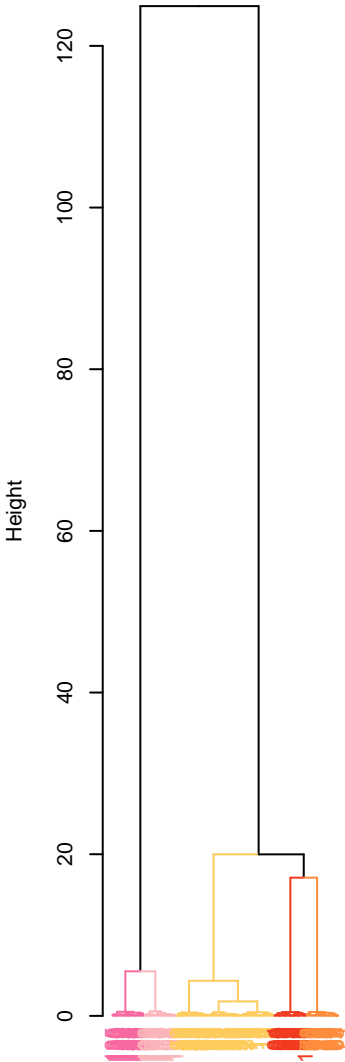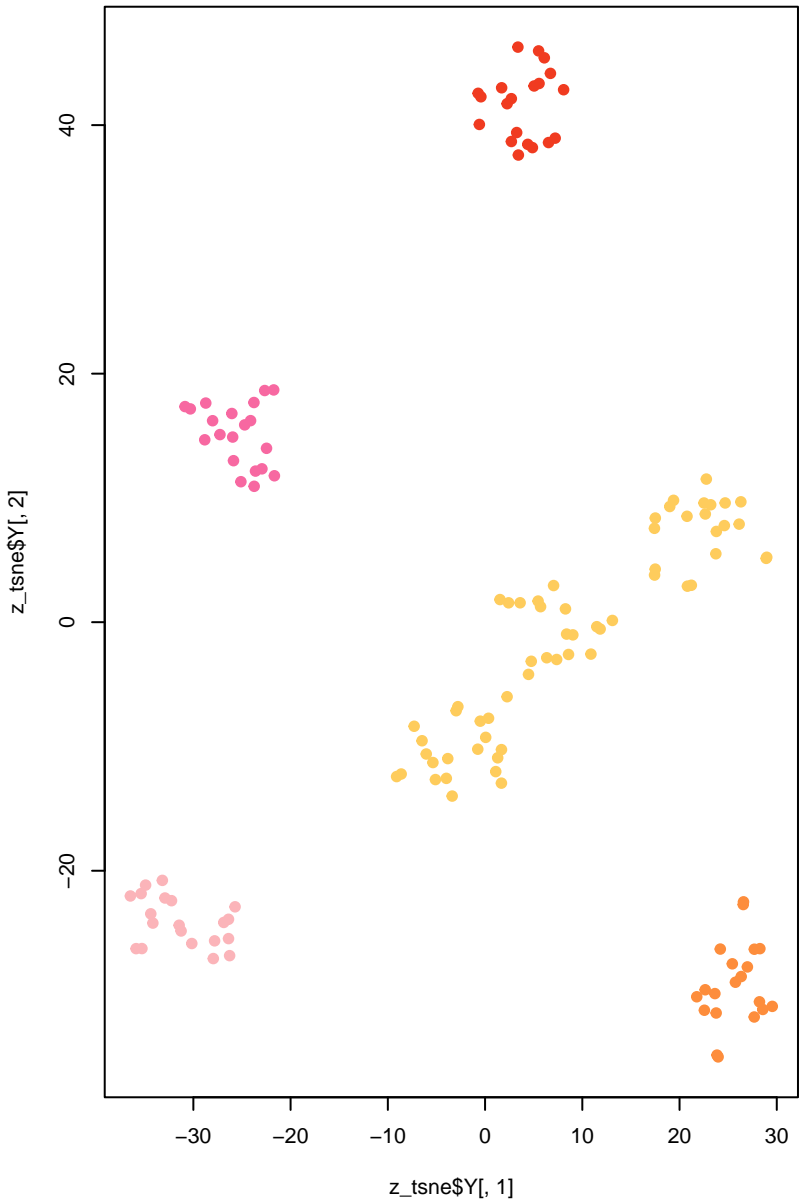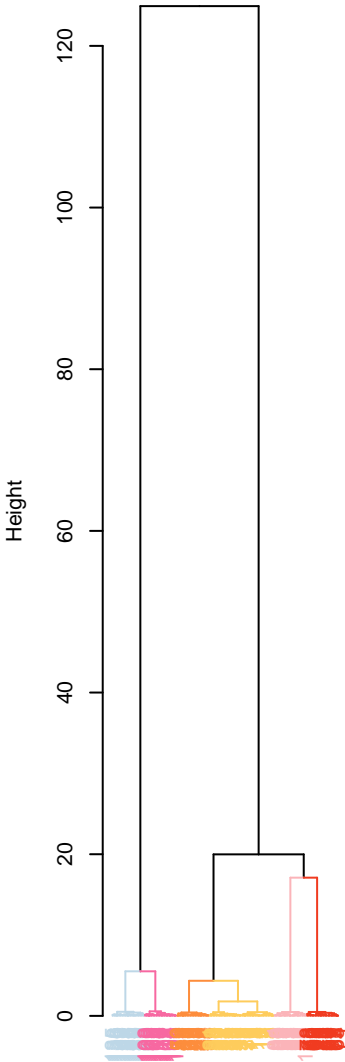**Hierarchical Clustering, 5 clusters**
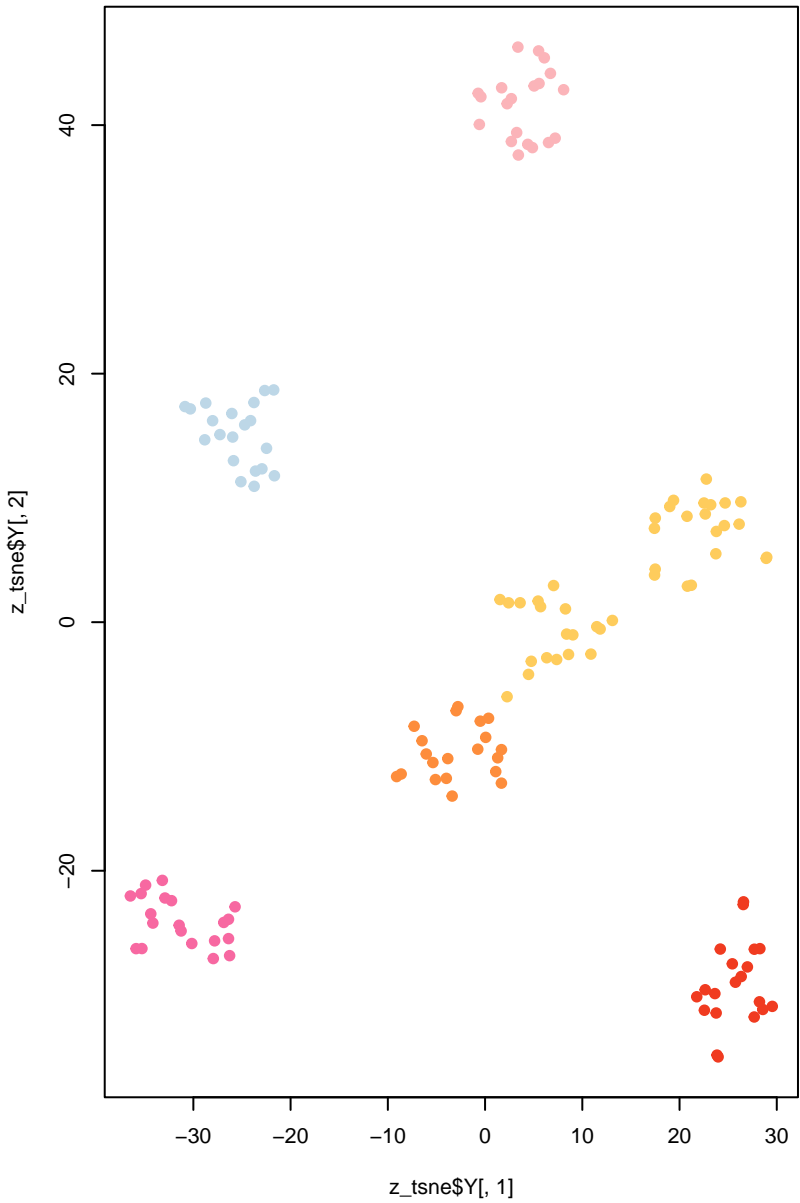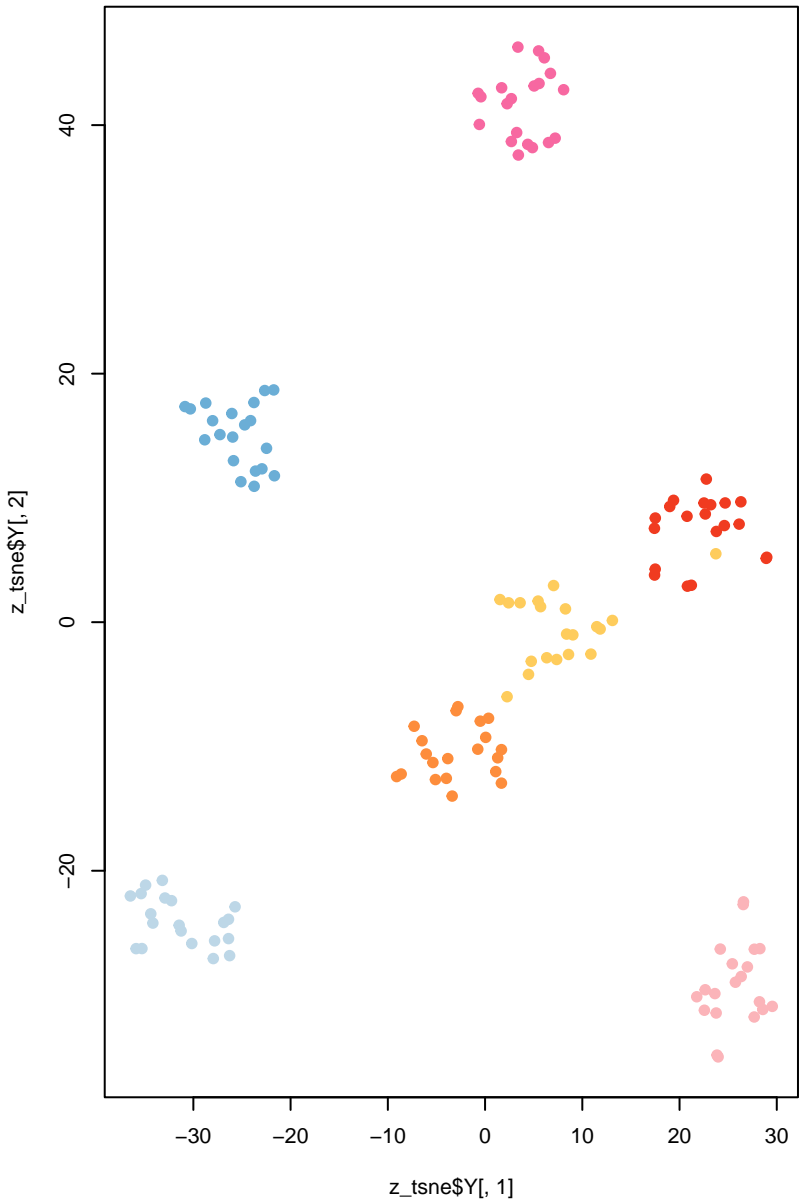
Dendrogram: Ward criterion

Height

Hierarchical Clustering, 6 clusters

z_tsne$Y[, 2]

z_tsne$Y[, 1]

Dendrogram: Ward criterion

Hierarchical Clustering, 7 clusters

Height

z_tsne$Y[, 2]

z_tsne$Y[, 1]
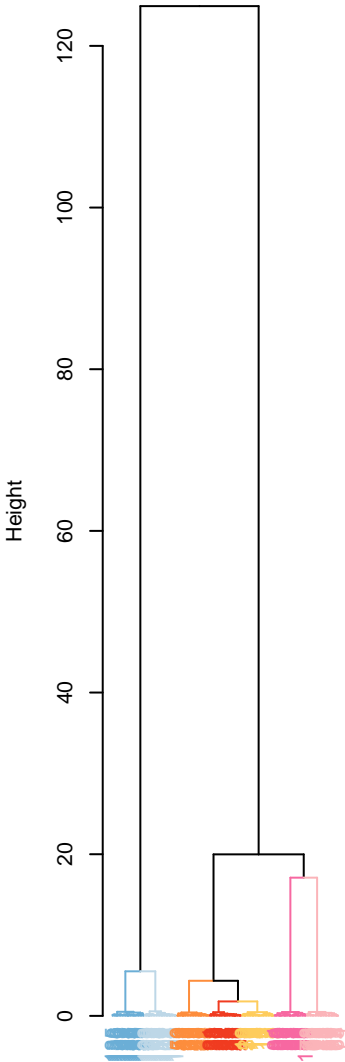
Hierarchical Clustering, 8 clusters