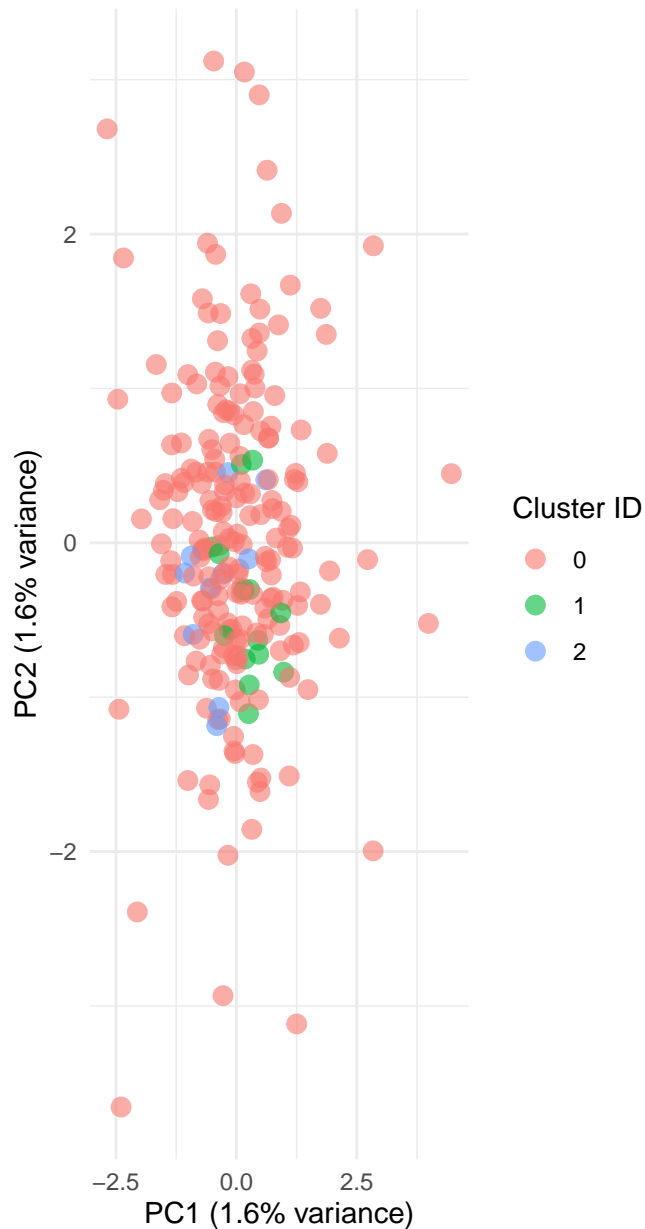
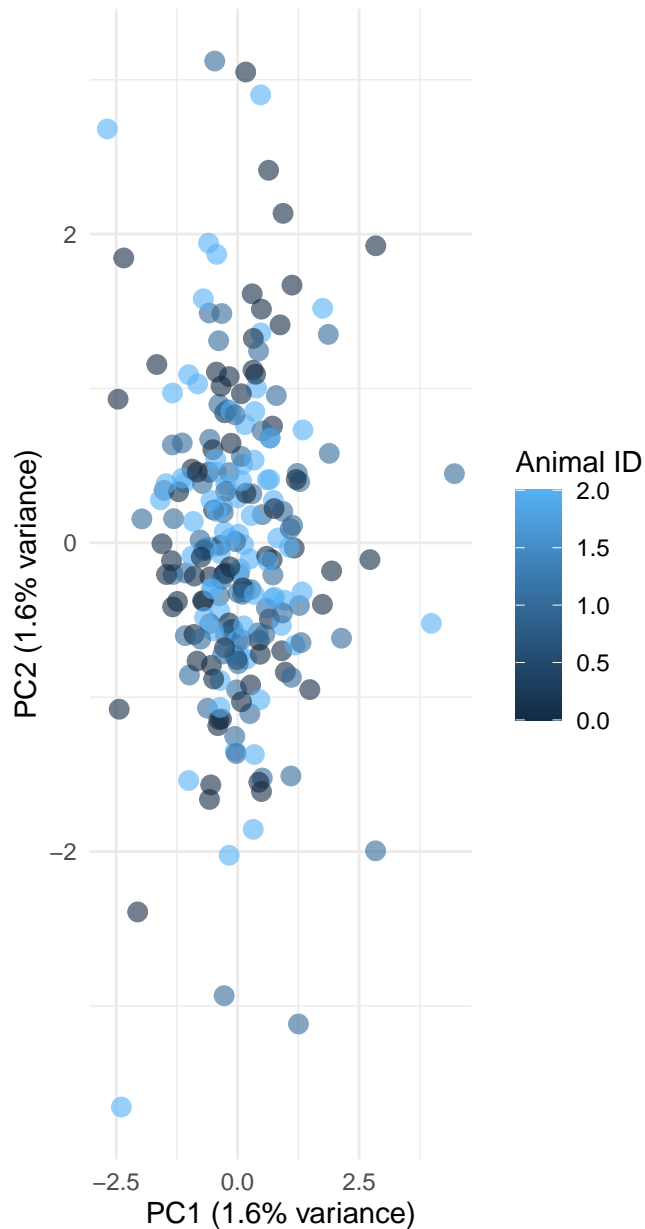


PCA: Clusters



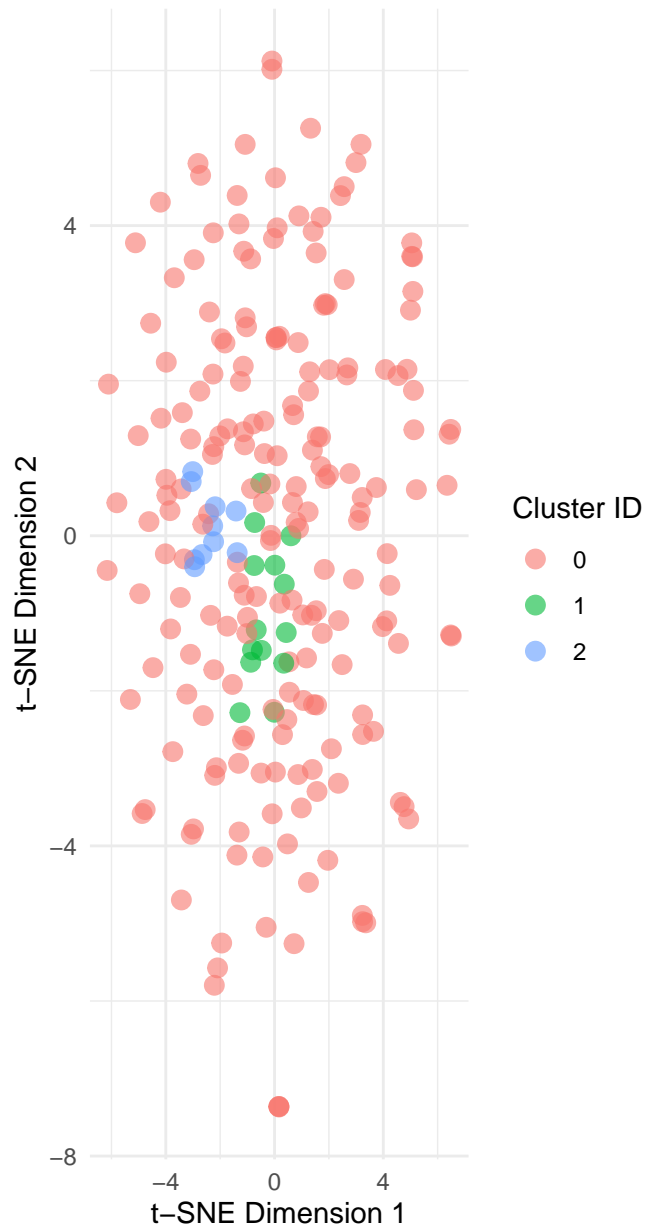
Interpretation: PCA reduces high-dimensional features to 2D.

PCA: Animals



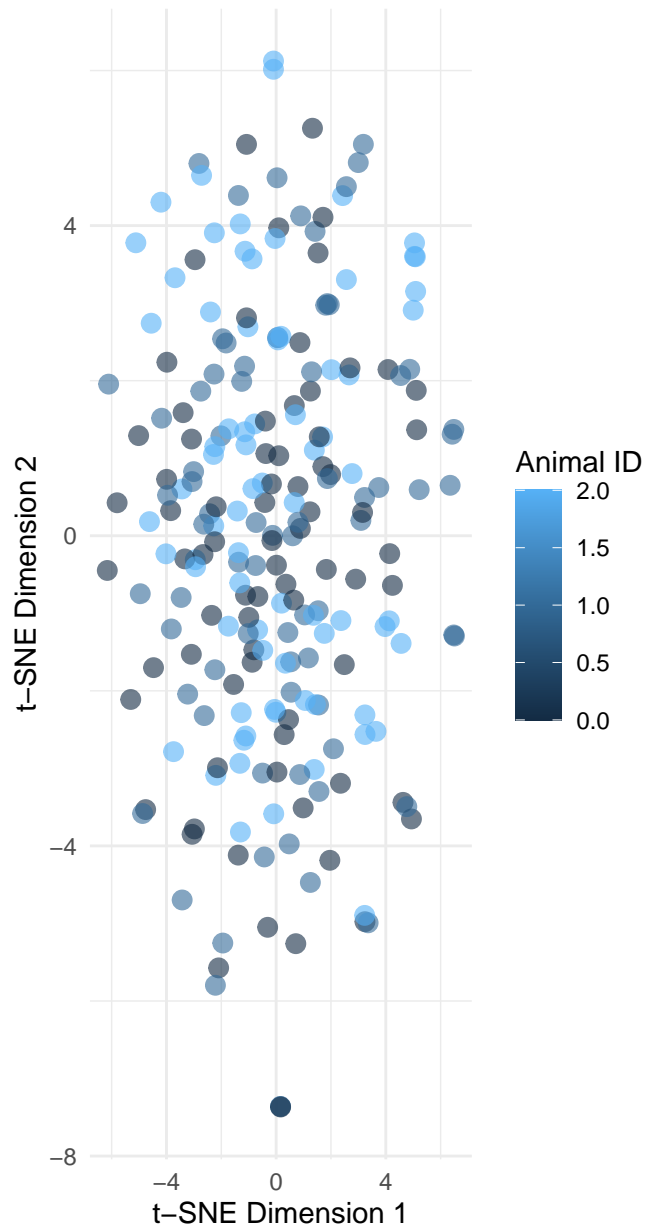
Interpretation: Same PCA space colored by animal ID. Cluster

t-SNE: Clusters

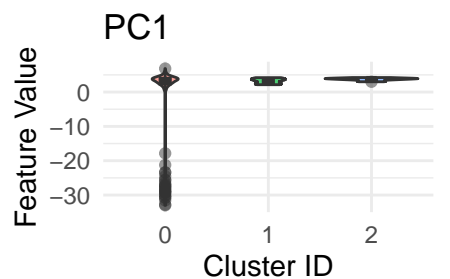


Interpretation: t-SNE is a non-linear dimensionality reduction

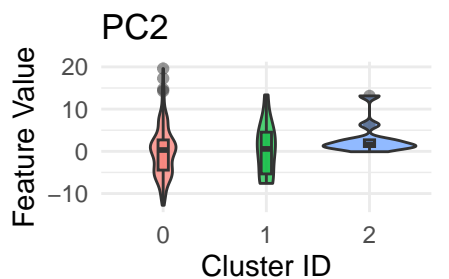
t-SNE: Animals



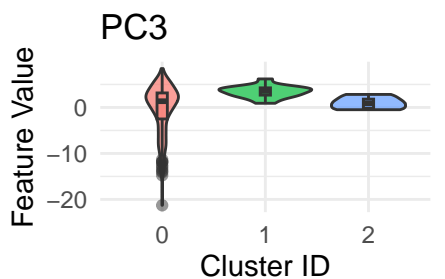
Interpretation: Same t-SNE space colored by animal ID. Clust



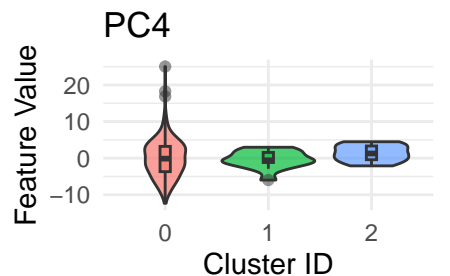
Interpretation: Violin plots show the distrib



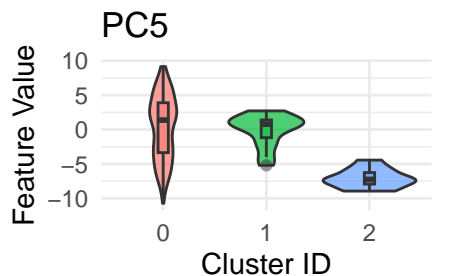
Interpretation: Violin plots show the distrib



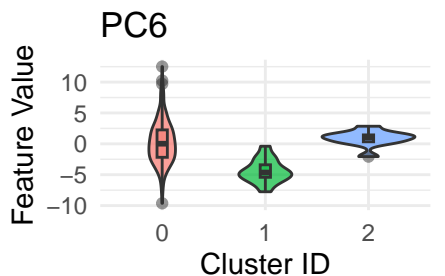
Interpretation: Violin plots show the distrib



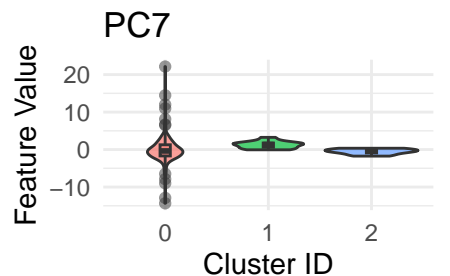
Interpretation: Violin plots show the distrib



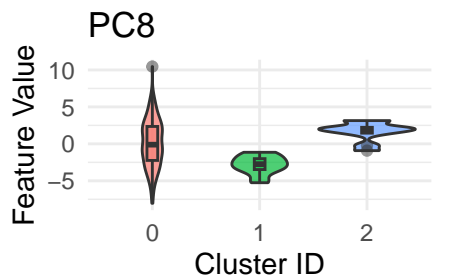
Interpretation: Violin plots show the distrib



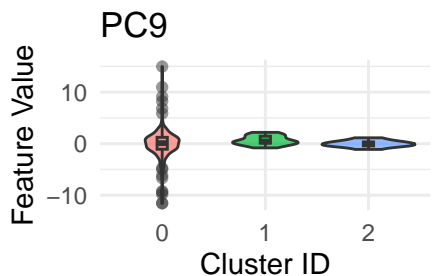
Interpretation: Violin plots show the distrib



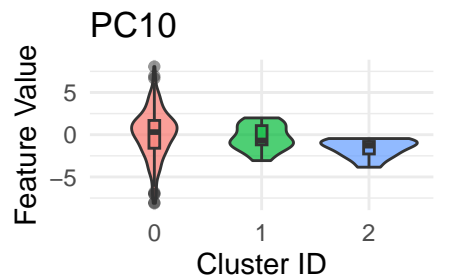
Interpretation: Violin plots show the distrib



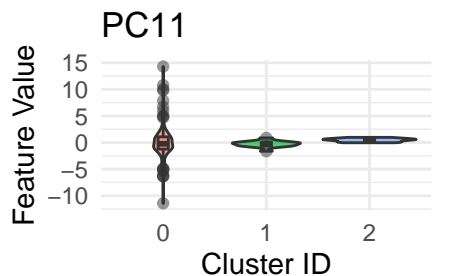
Interpretation: Violin plots show the distrib



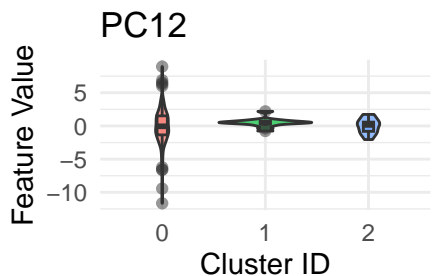
Interpretation: Violin plots show the distrib



Interpretation: Violin plots show the distrib

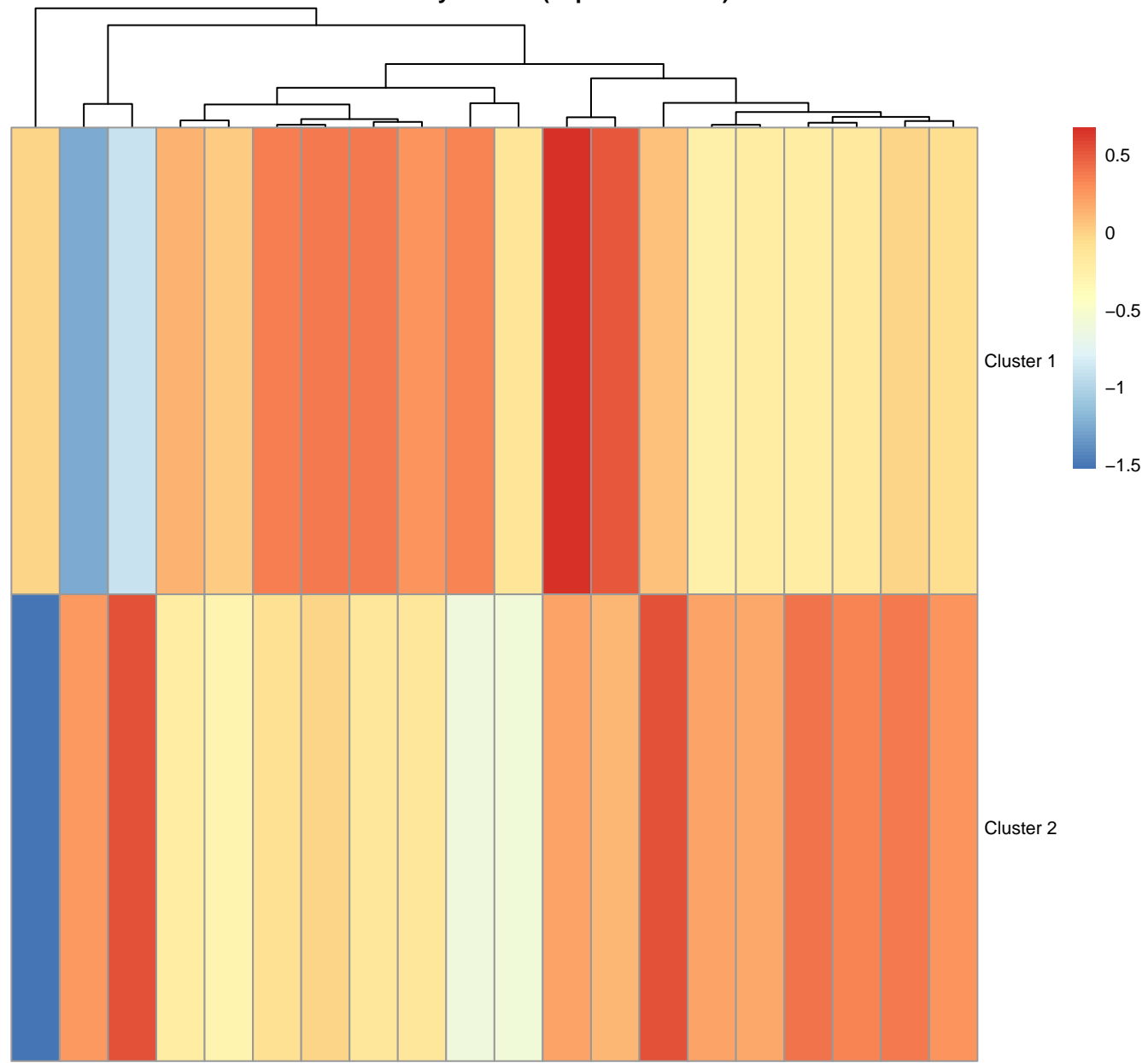


Interpretation: Violin plots show the distrib



Interpretation: Violin plots show the distrib

Feature Means by Cluster (Top 20 Features)



Attention: Heatmap shows mean feature values per cluster. Colors: Red=high, blue=low, white=average. Similar color patterns indicate similar feature