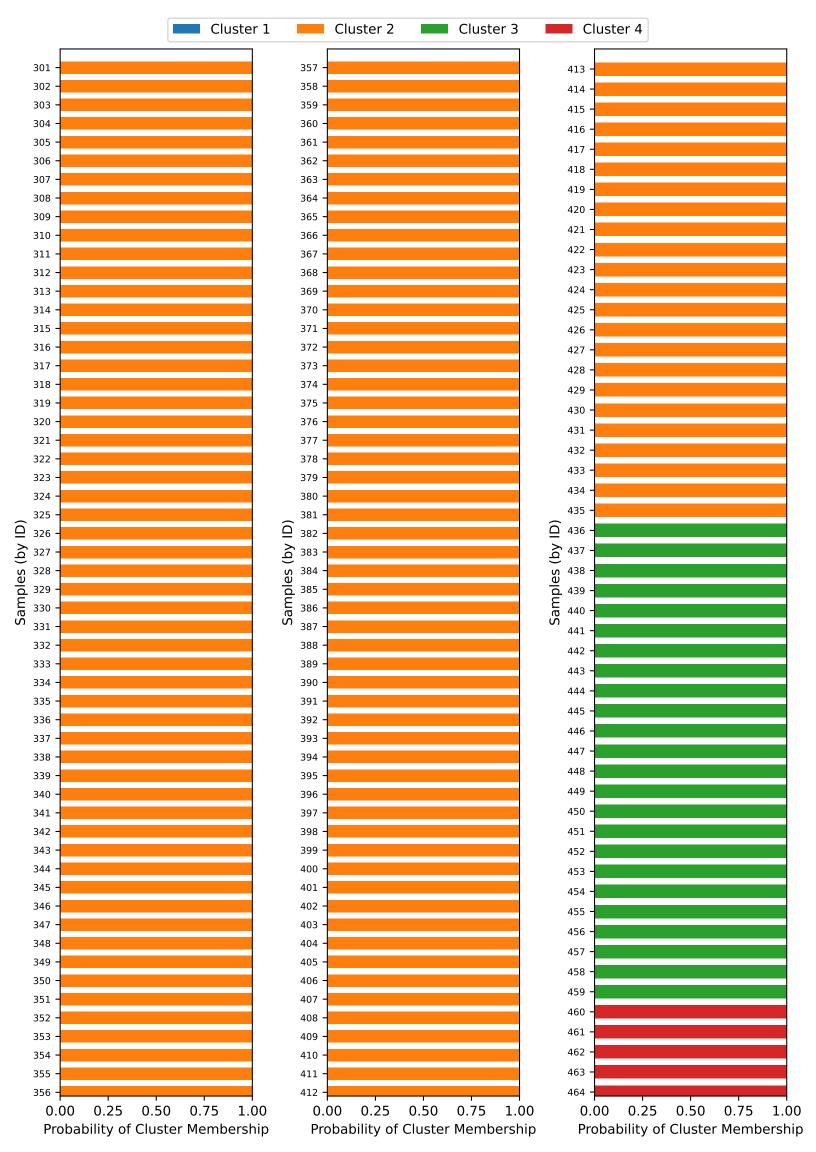
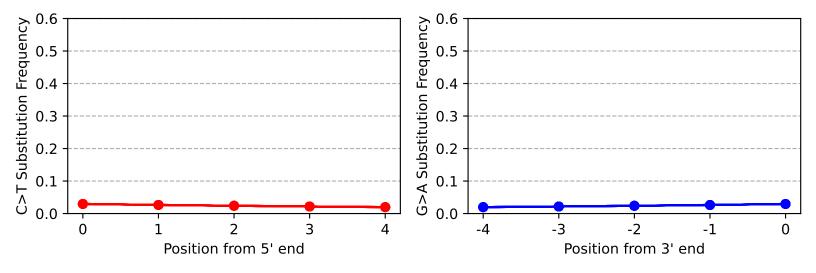
PCA Result Colour Coded Based on GMM Cluster Assignment Cluster 1 • 0 1.0 Cluster 2 0.5 PC2 (2.39%) Cluster 3 0 0.0 -0.5Cluster 4 -1.05 0 PC1 (95.00%)

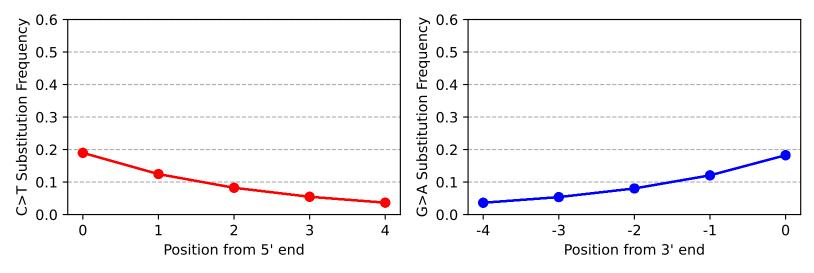




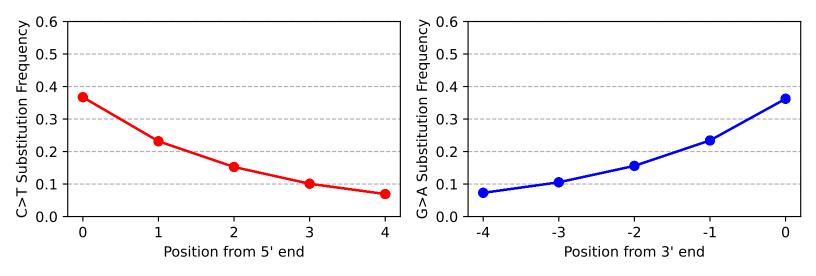
Representative Substitution Frequencies for Cluster 1 (GMM)



Representative Substitution Frequencies for Cluster 2 (GMM)



Representative Substitution Frequencies for Cluster 3 (GMM)



Representative Substitution Frequencies for Cluster 4 (GMM)

