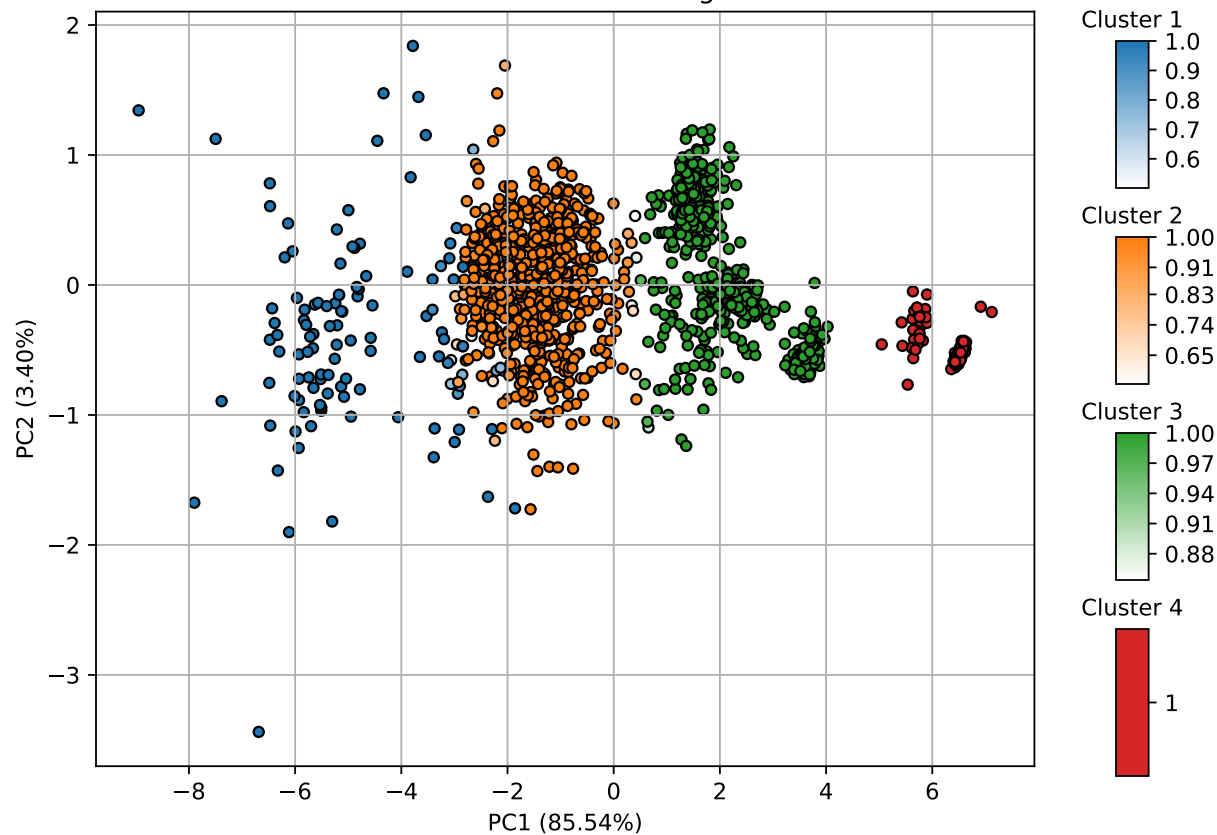
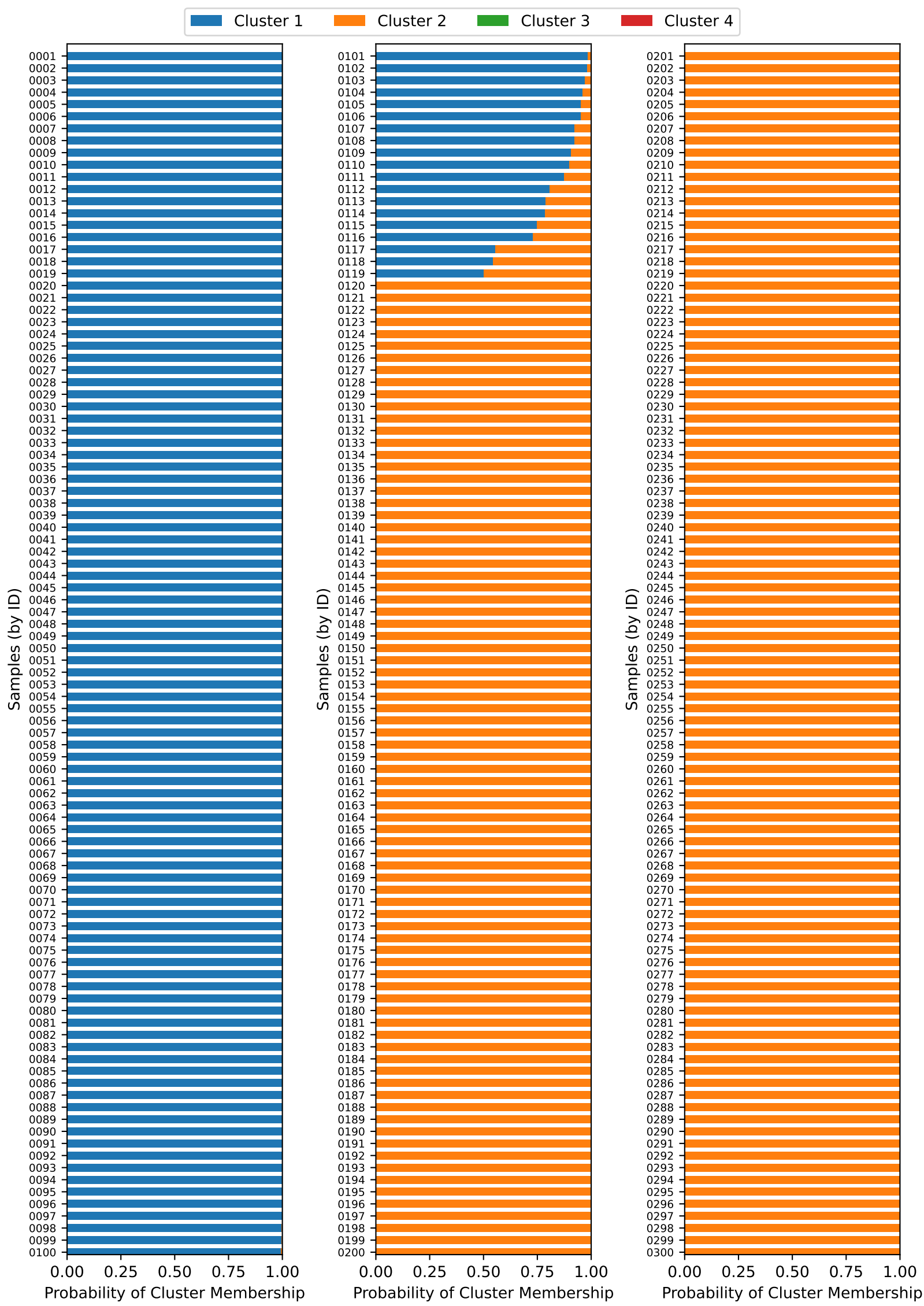
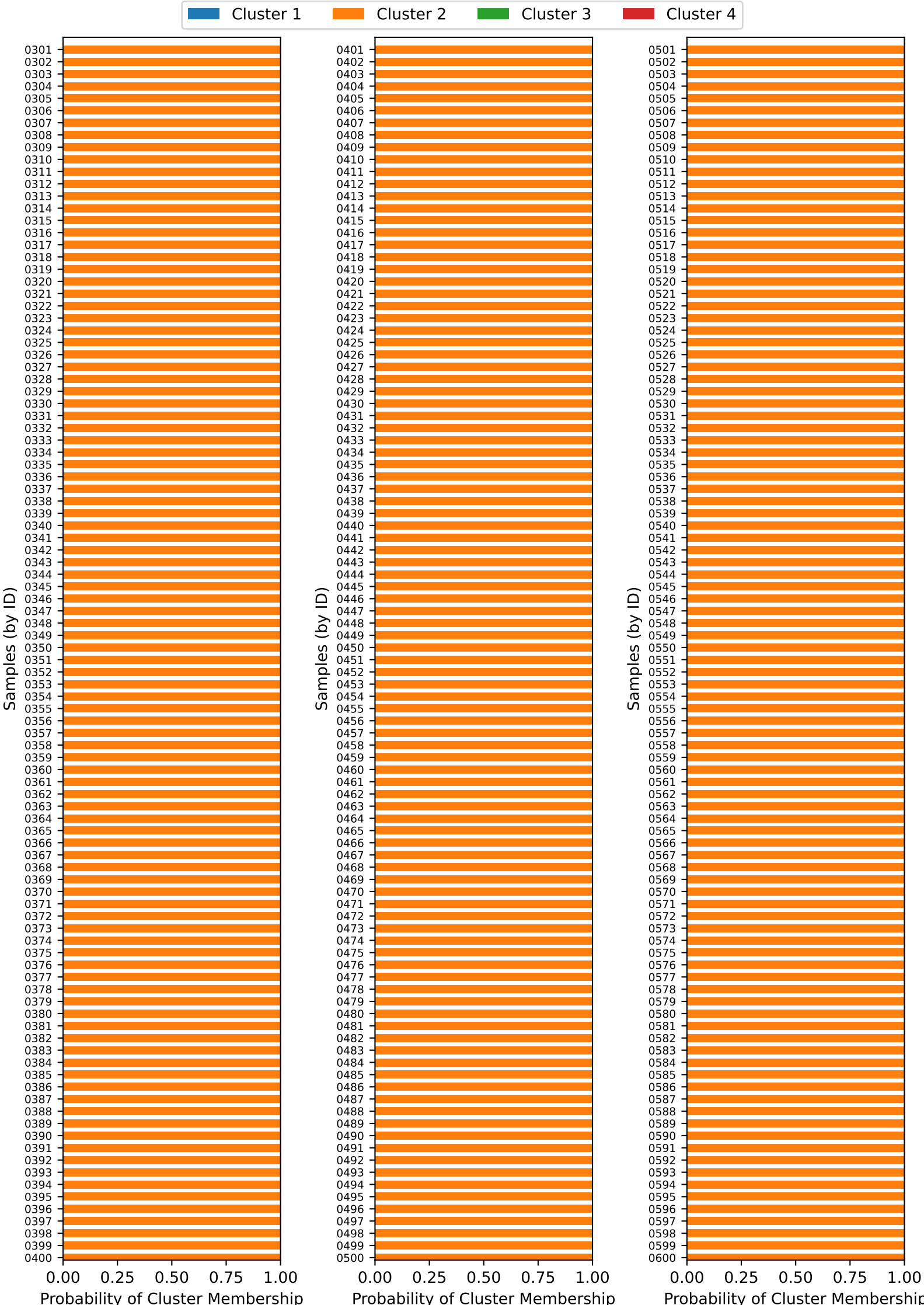
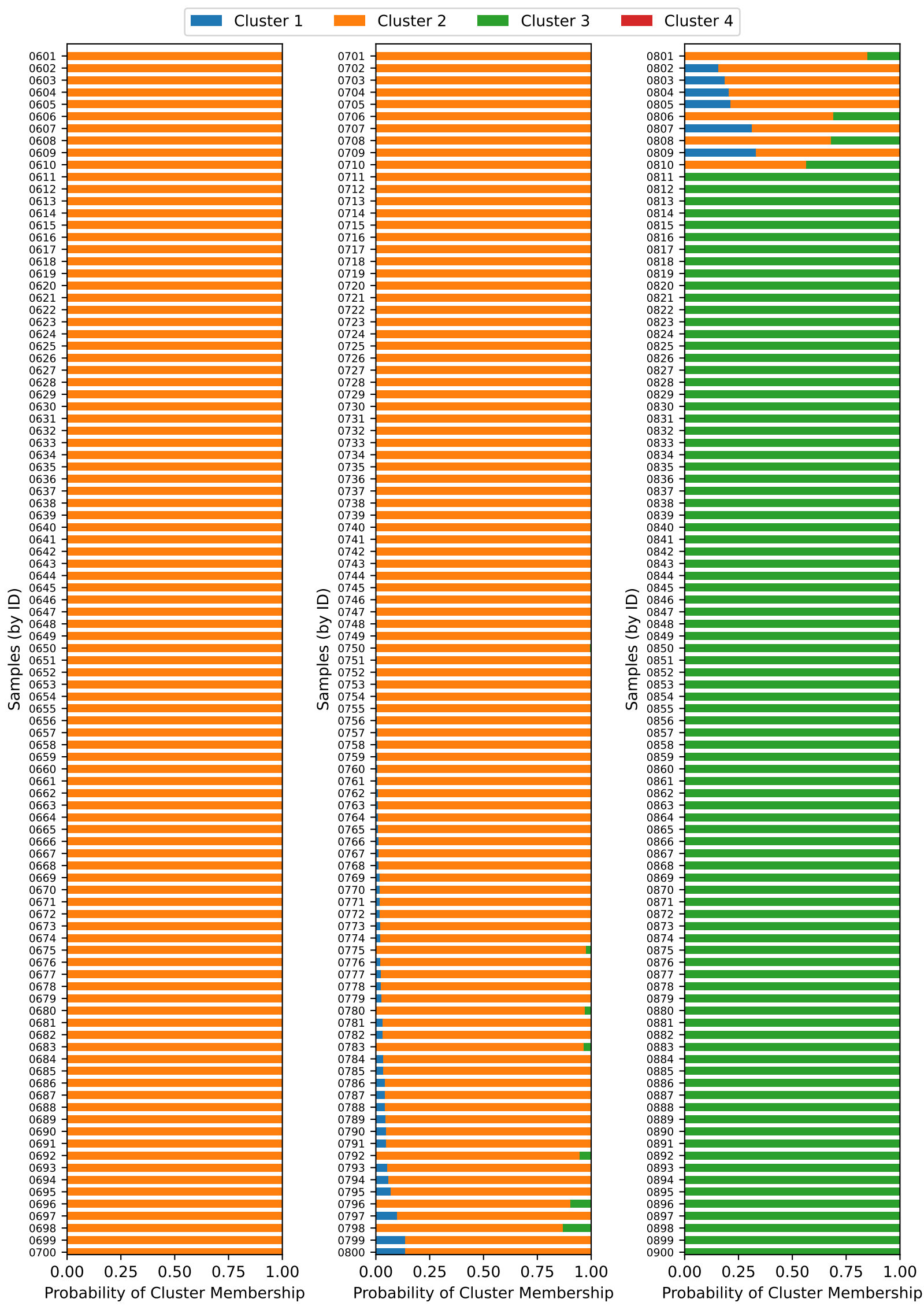


PCA Result Colour Coded  
Based on GMM Cluster Assignment





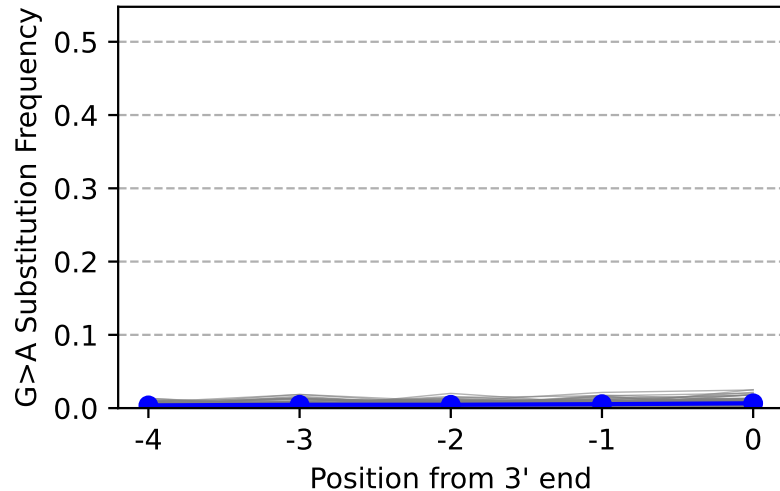
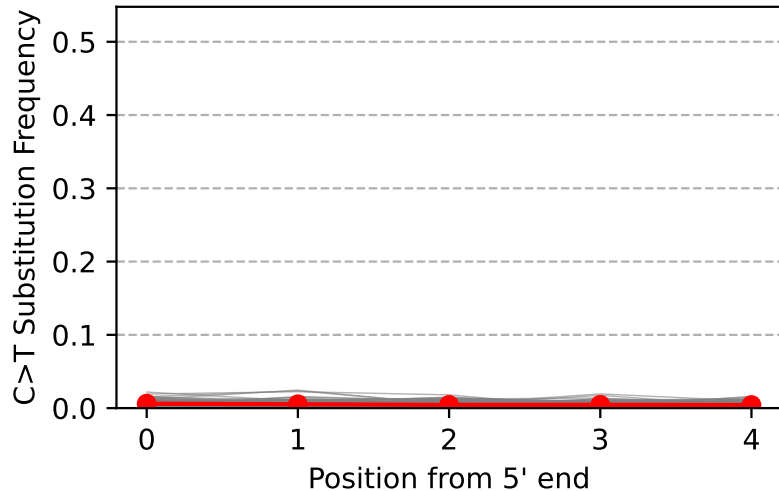




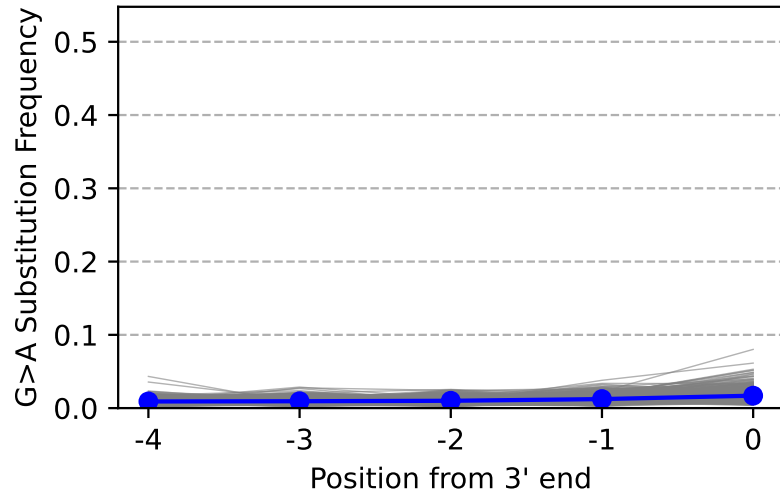
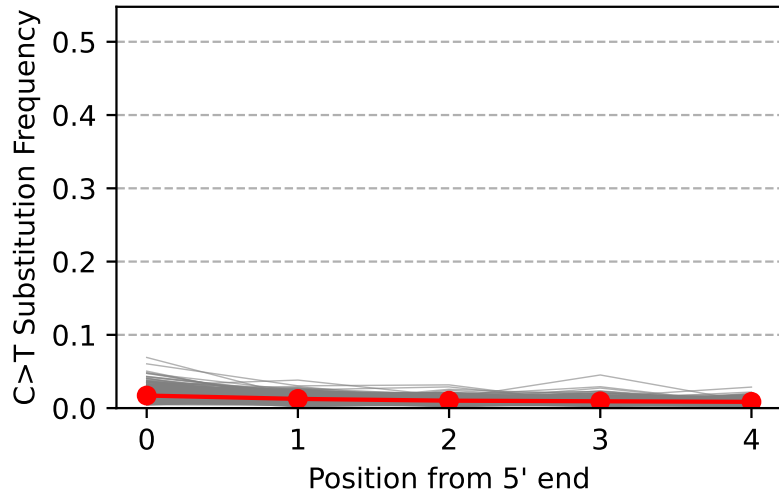




# Representative Substitution Frequencies for Cluster 1 (GMM)

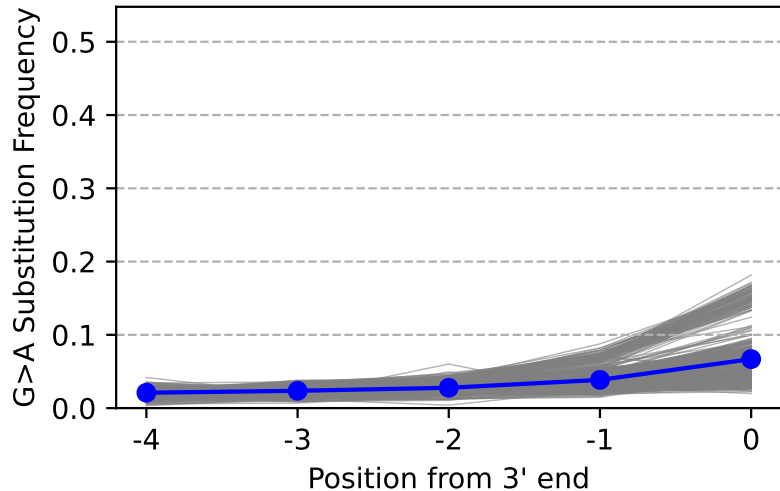
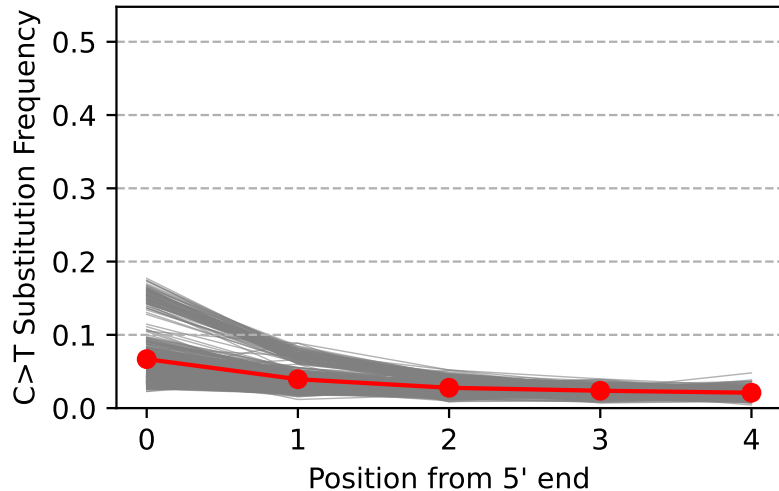


## Representative Substitution Frequencies for Cluster 2 (GMM)

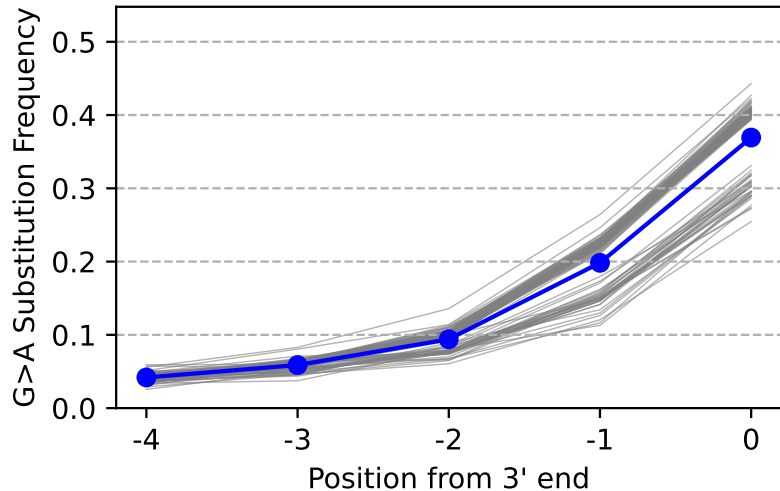
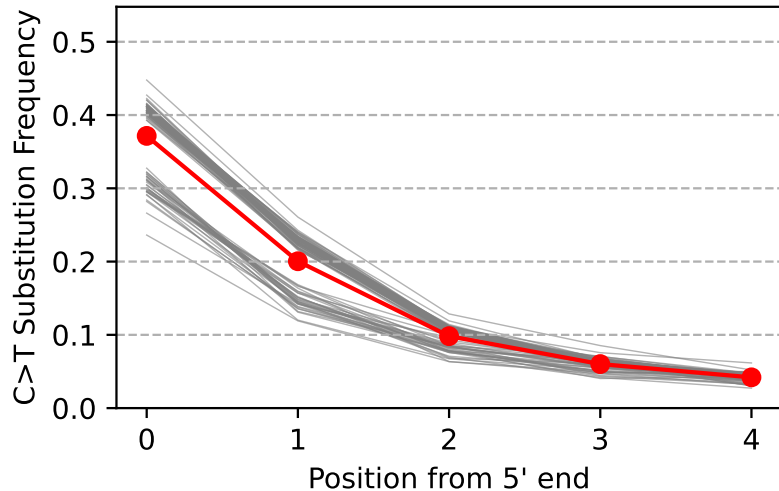




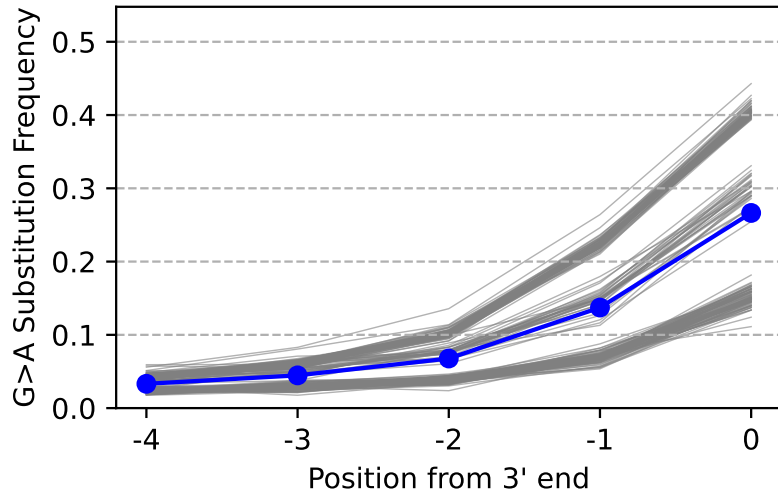
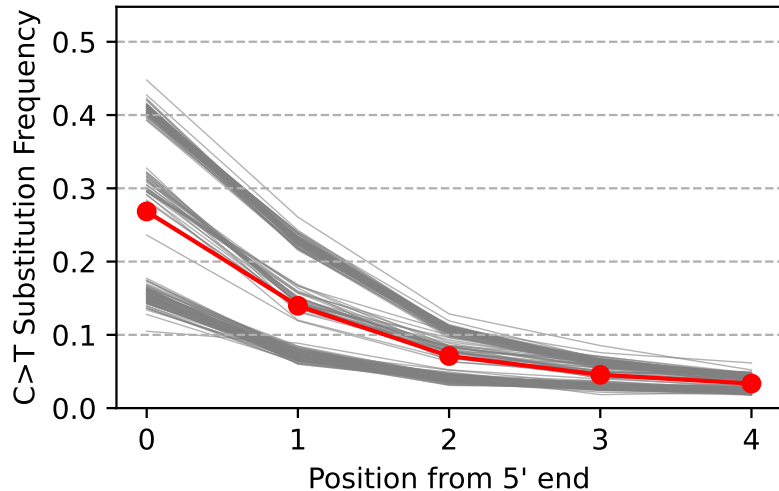
# Representative Substitution Frequencies for Cluster 3 (GMM)



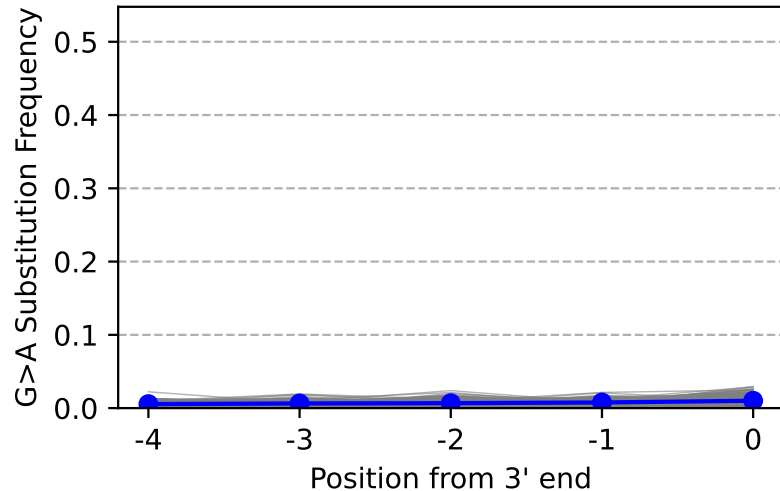
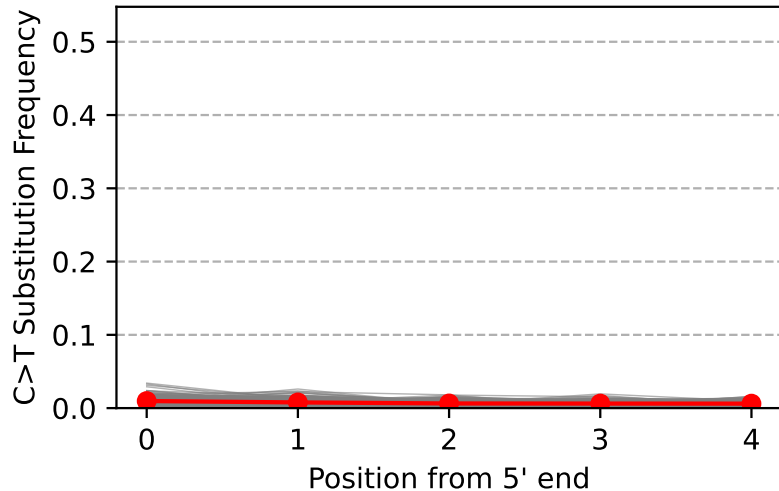
# Representative Substitution Frequencies for Cluster 4 (GMM)



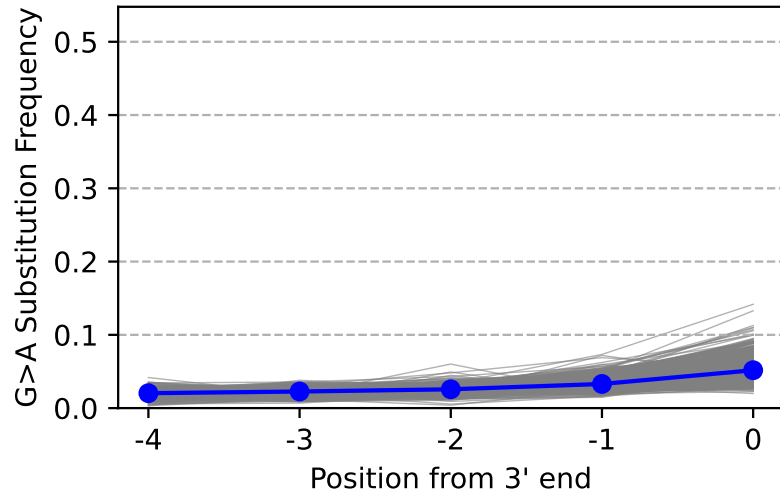
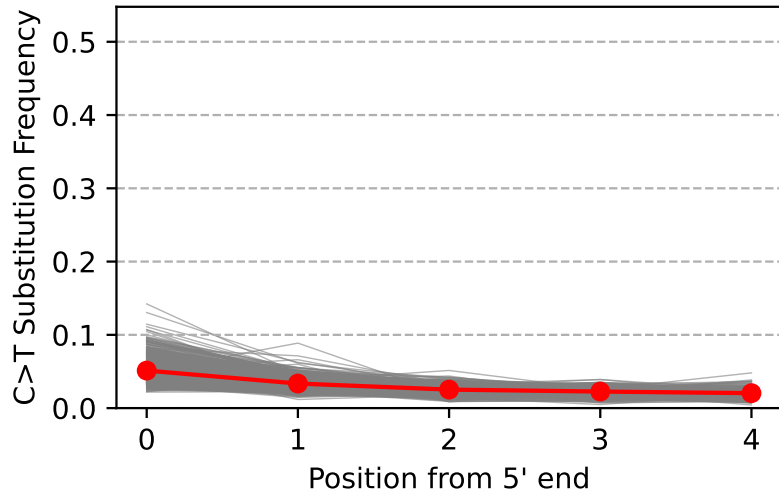
# Representative Substitution Frequencies for Cluster 1 (DTW)



## Representative Substitution Frequencies for Cluster 2 (DTW)



# Representative Substitution Frequencies for Cluster 3 (DTW)



## Representative Substitution Frequencies for Cluster 4 (DTW)

