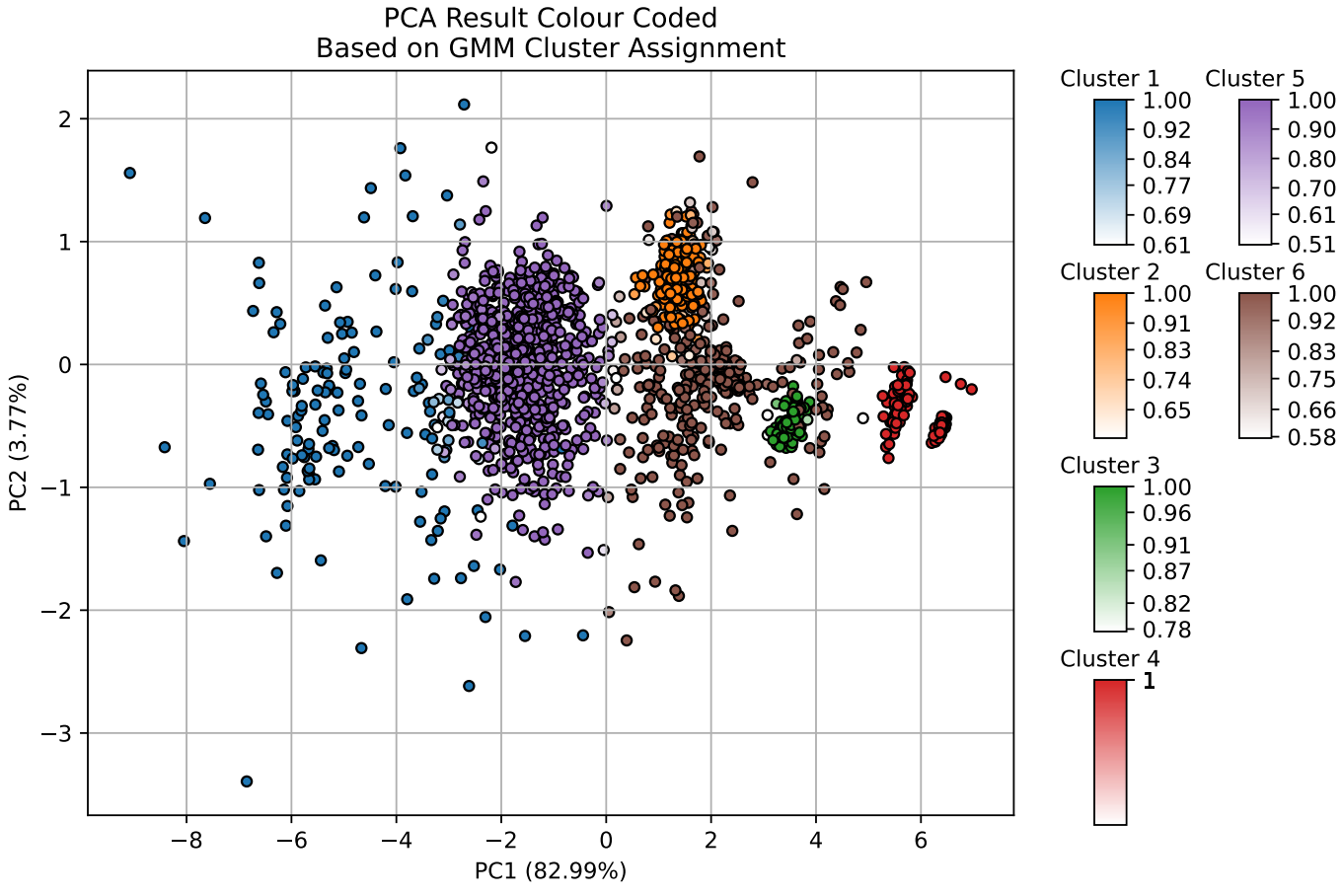
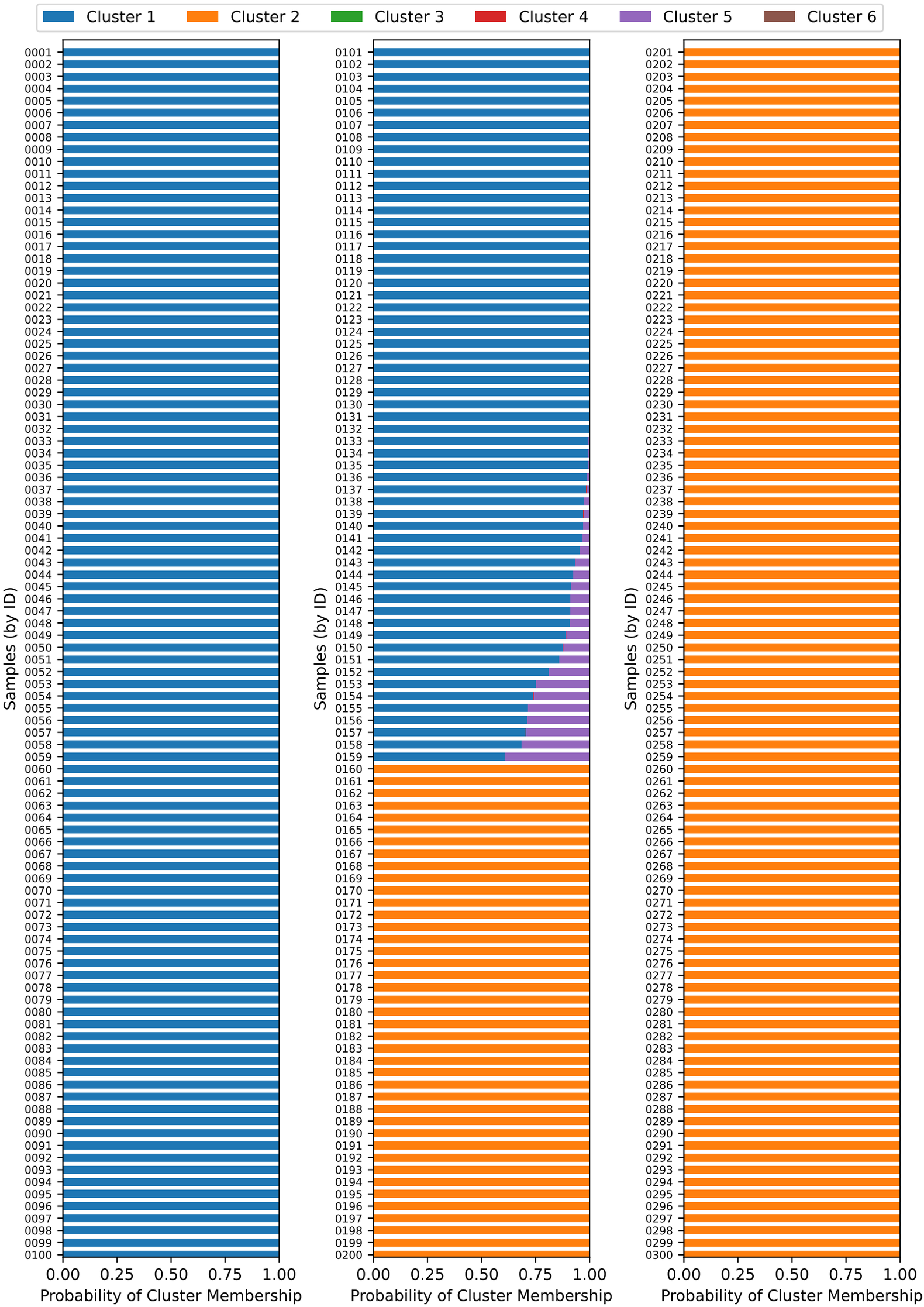
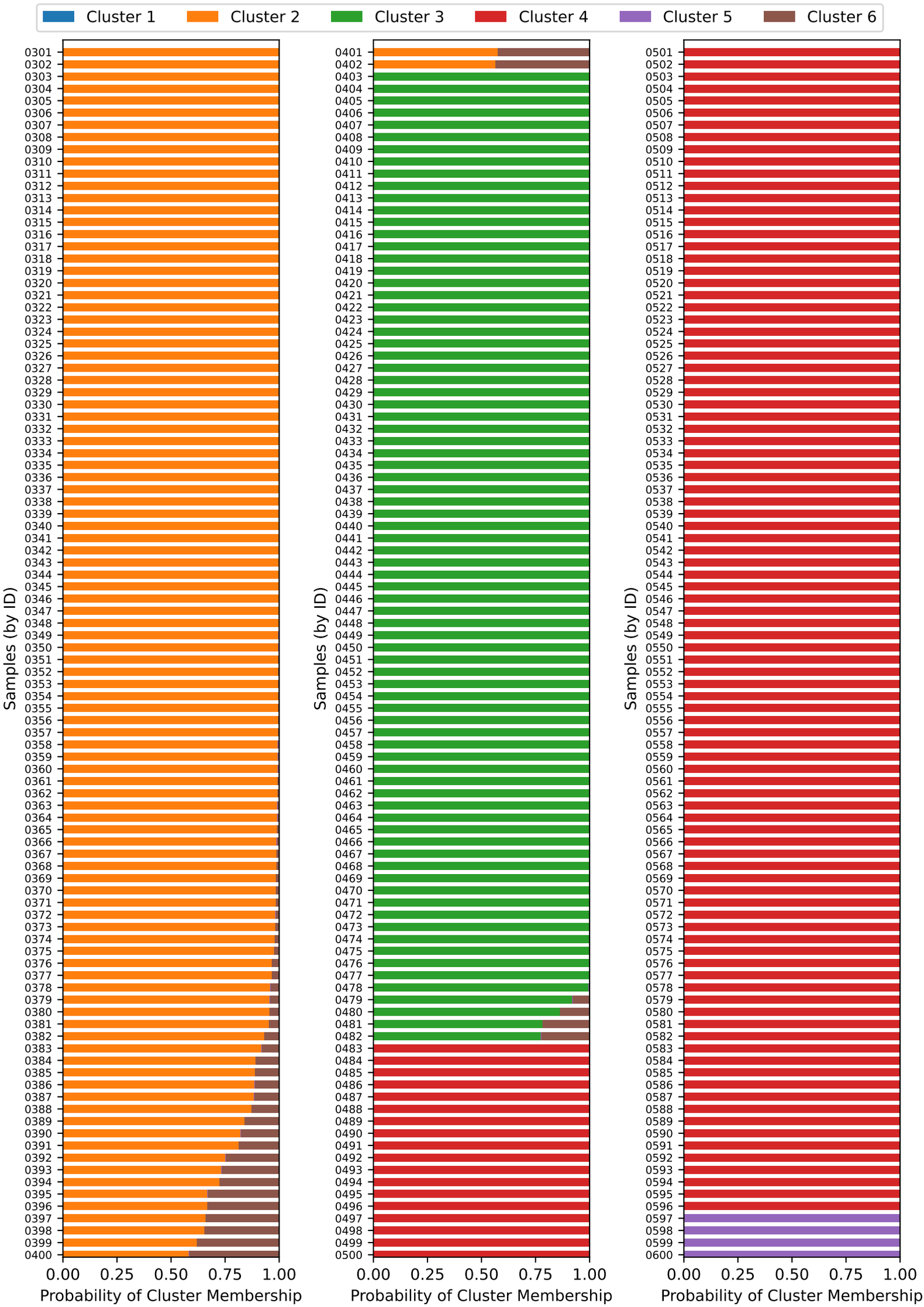
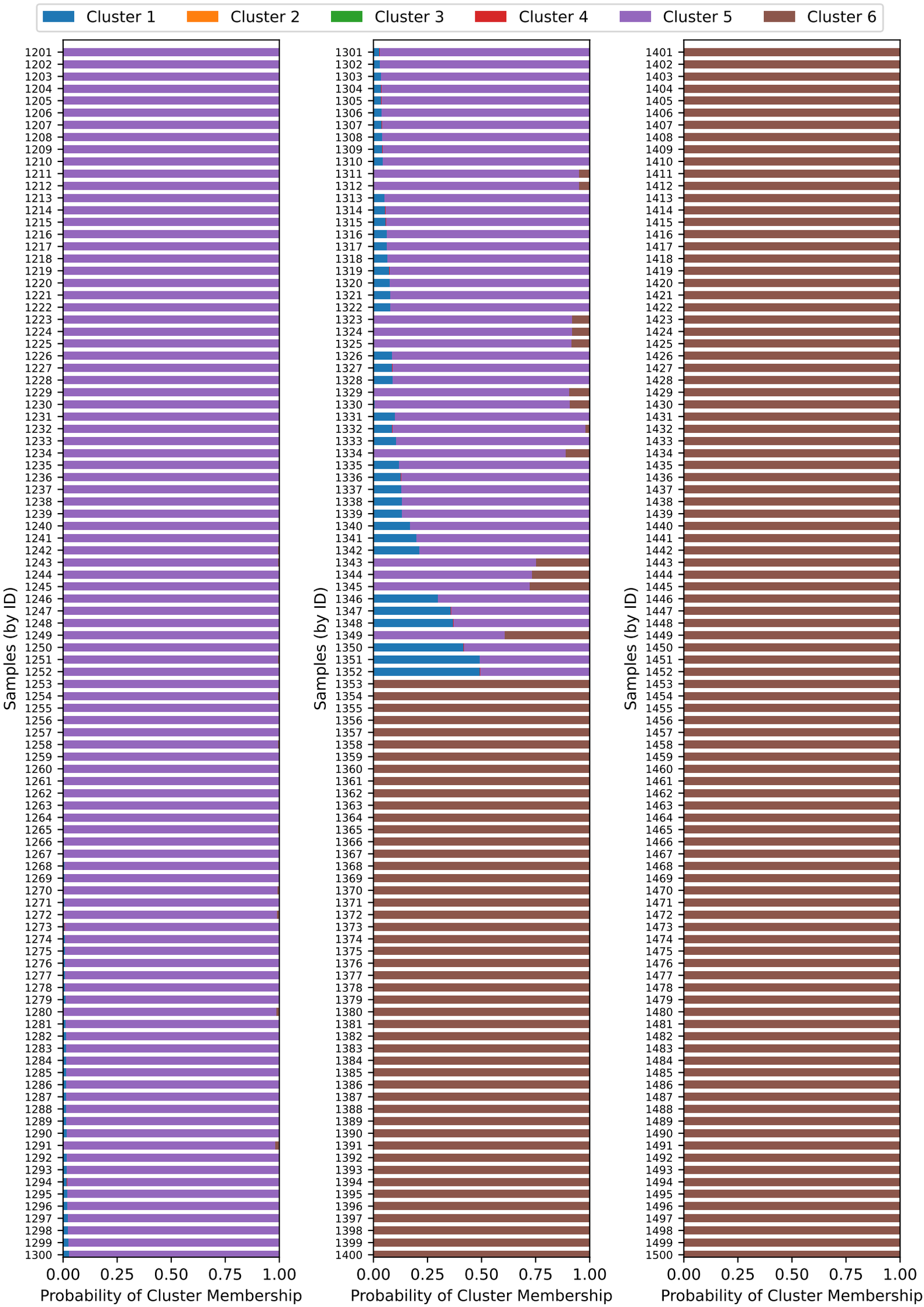

PCA Result Colour Coded
Based on GMM Cluster Assignment
PC1 (82.99%)
PC2 (3.77%)
Cluster 1
Cluster 5
Cluster 2
Cluster 6
Cluster 3
Cluster 4

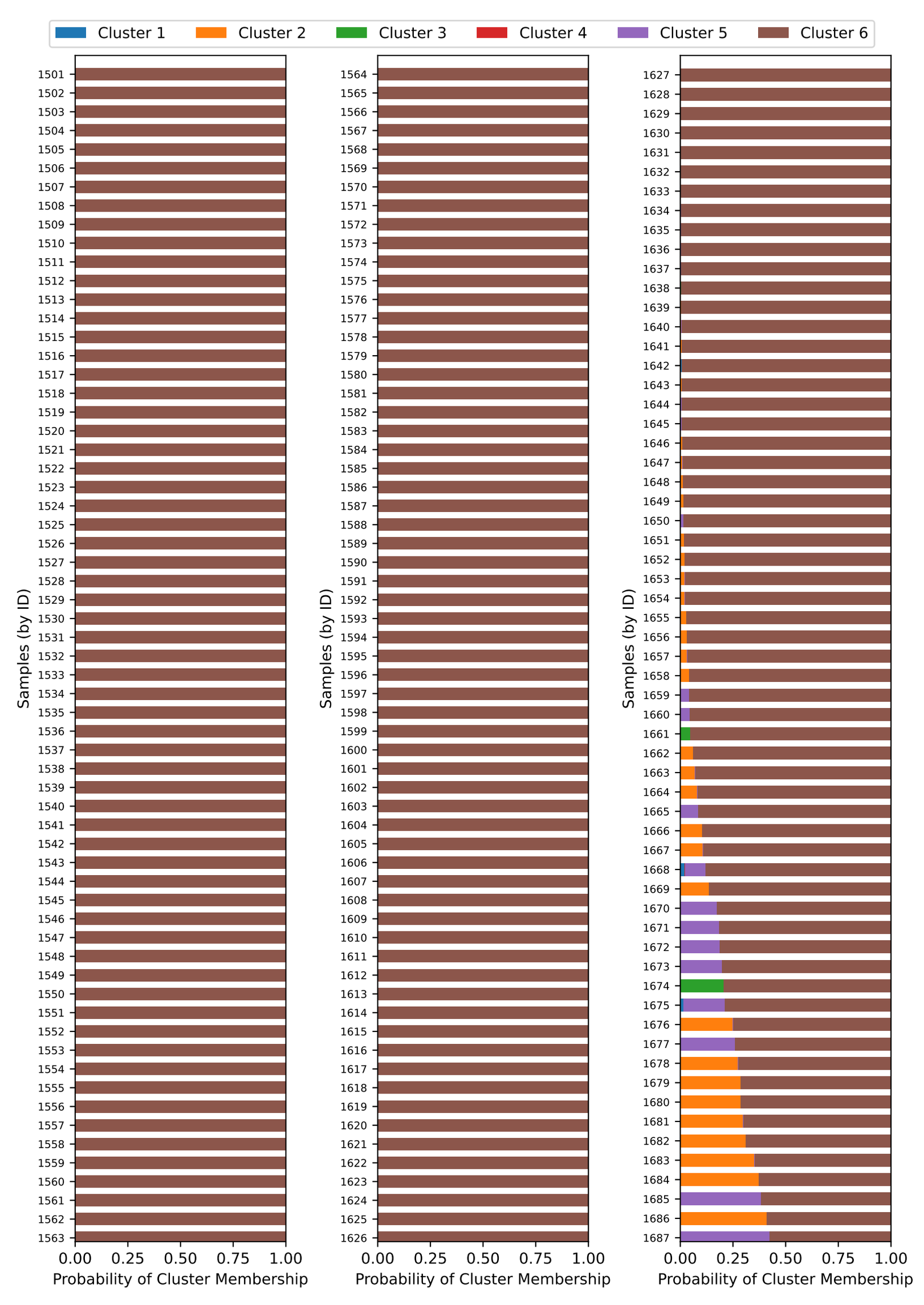

Cluster 1
Cluster 2
Cluster 3
Cluster 4
Cluster 5
Cluster 6
Samples (by ID)
Probability of Cluster Membership
0.00
0.25
0.50
0.75
1.00

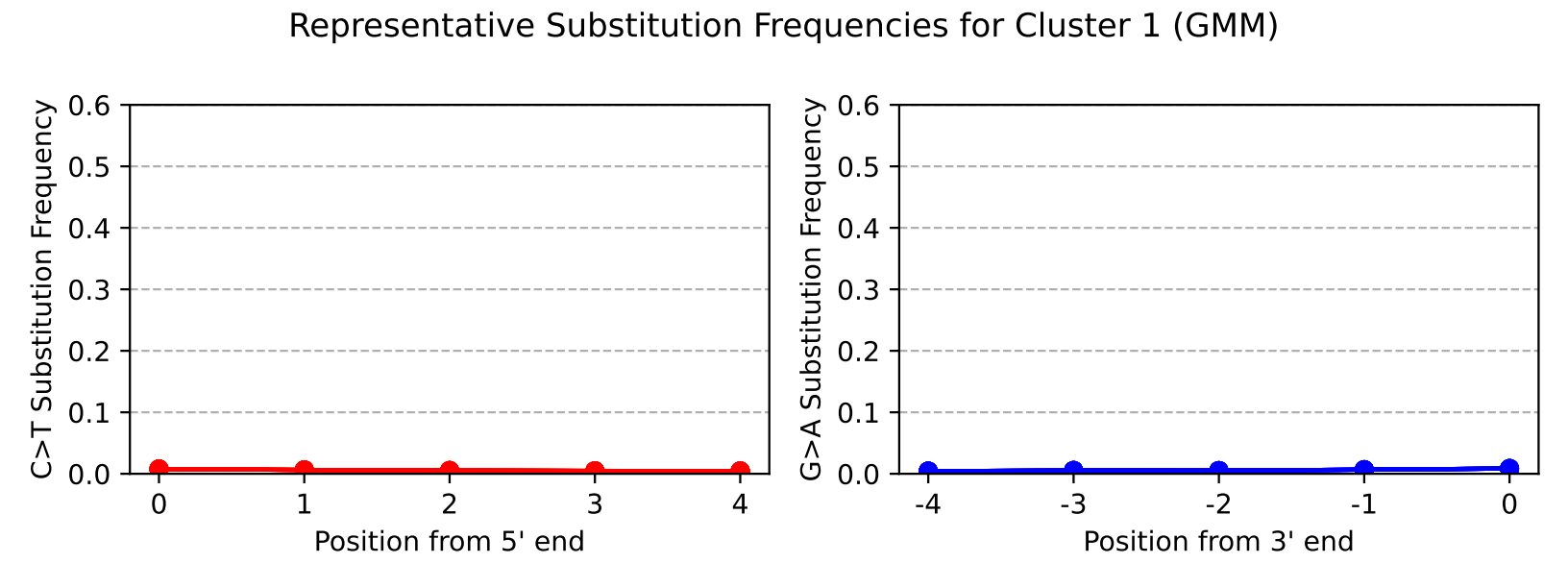

Cluster 1
Cluster 2
Cluster 3
Cluster 4
Cluster 5
Cluster 6
Samples (by ID)
Probability of Cluster Membership
0.00
0.25
0.50
0.75
1.00

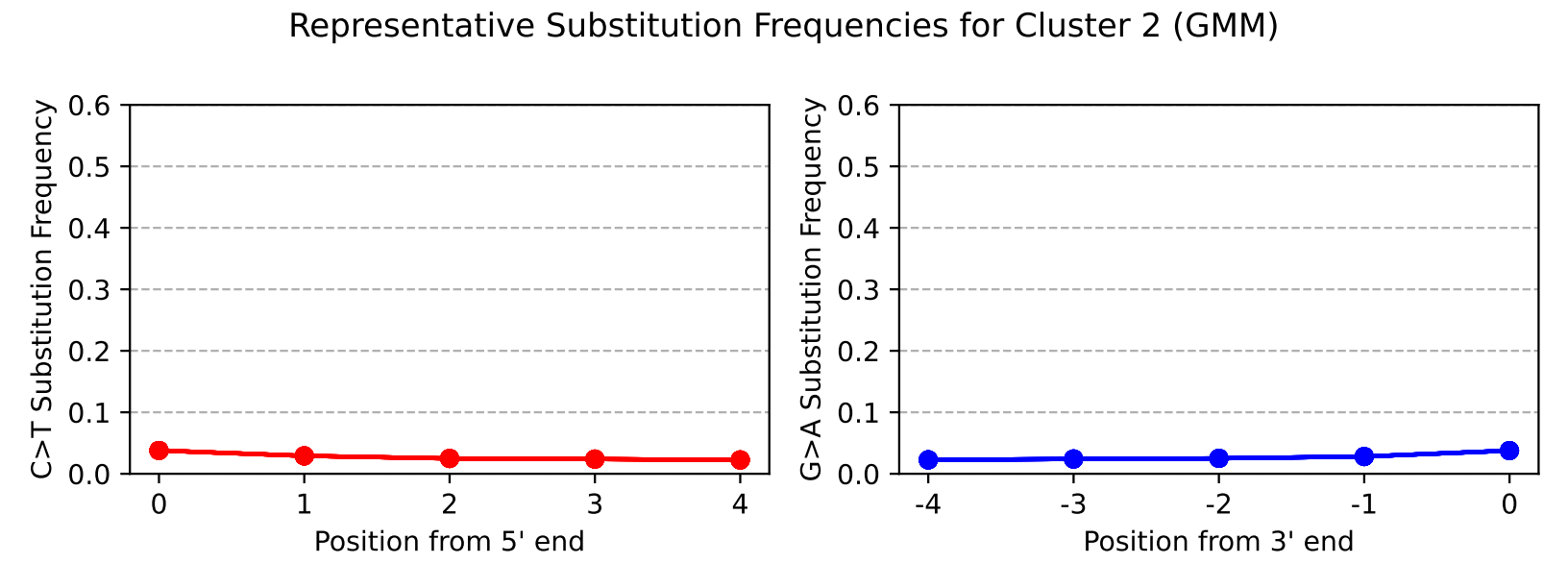
Cluster 1
Cluster 2
Cluster 3
Cluster 4
Cluster 5
Cluster 6
Samples (by ID)
Probability of Cluster Membership
0.00
0.25
0.50
0.75
1.00

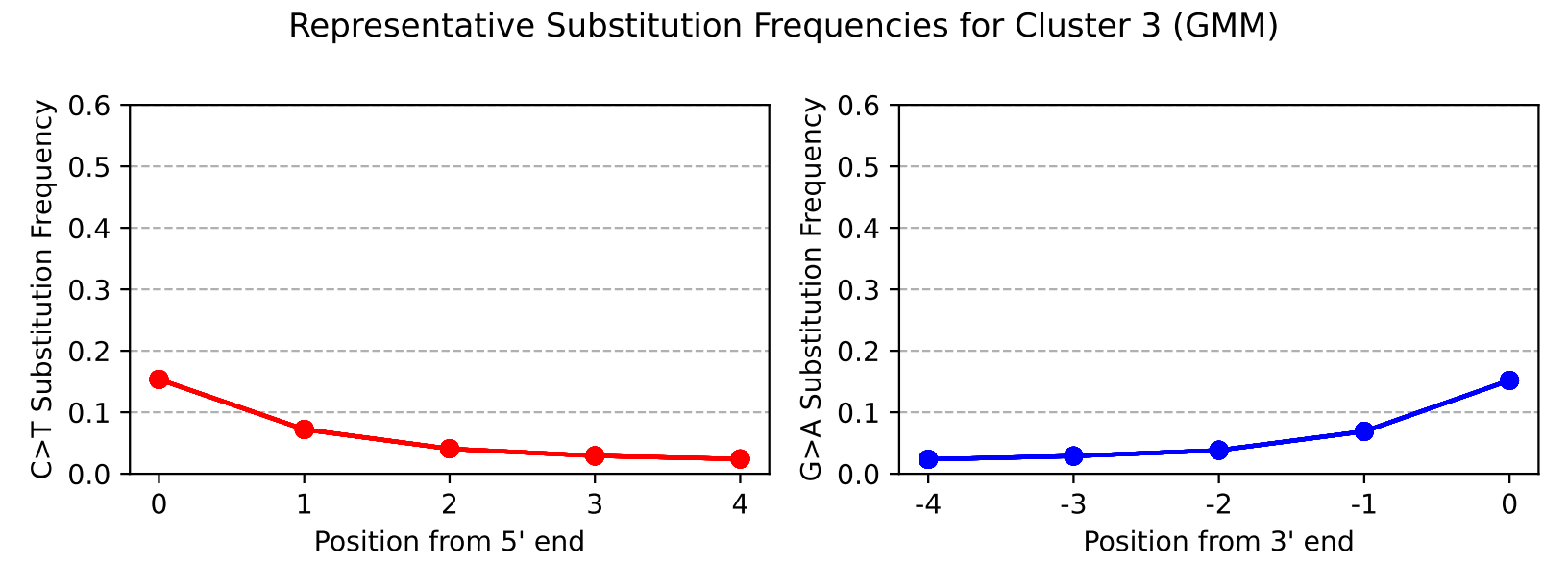
Cluster 1
Cluster 2
Cluster 3
Cluster 4
Cluster 5
Cluster 6
Samples (by ID)
Probability of Cluster Membership
0.00
0.25
0.50
0.75
1.00

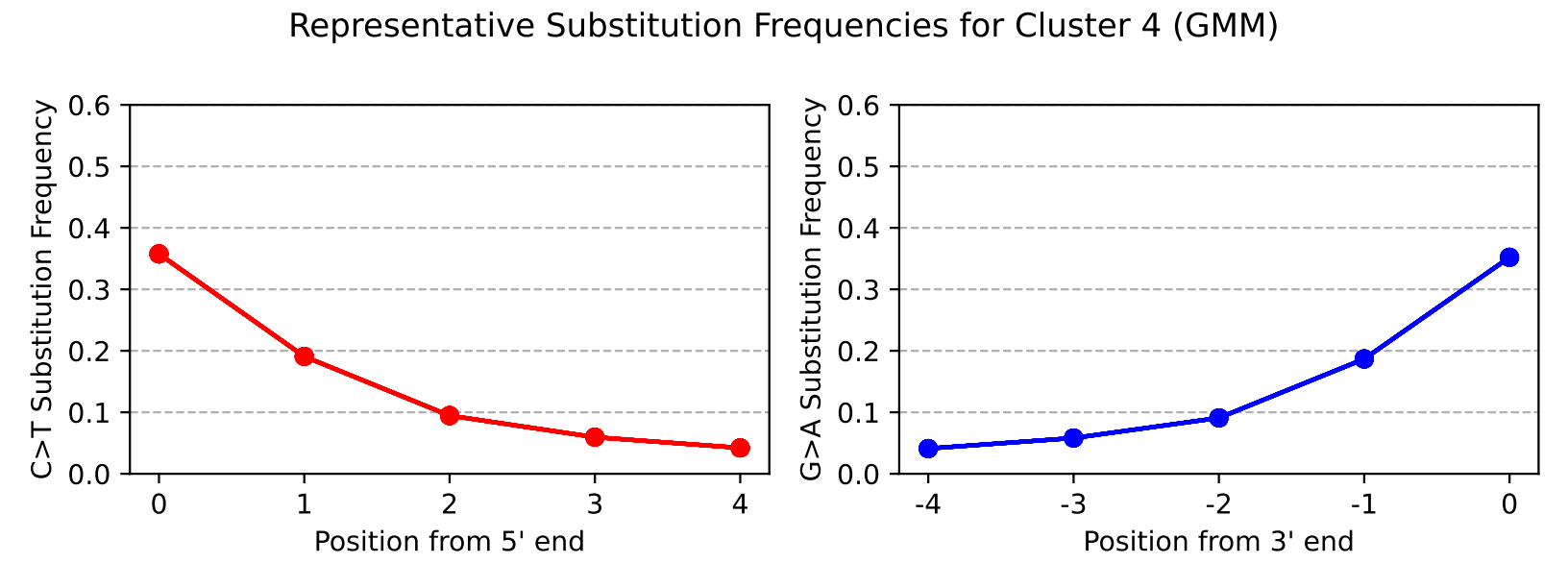

Cluster 1
Cluster 2
Cluster 3
Cluster 4
Cluster 5
Cluster 6
Samples (by ID)
Probability of Cluster Membership
0.00
0.25
0.50
0.75
1.00

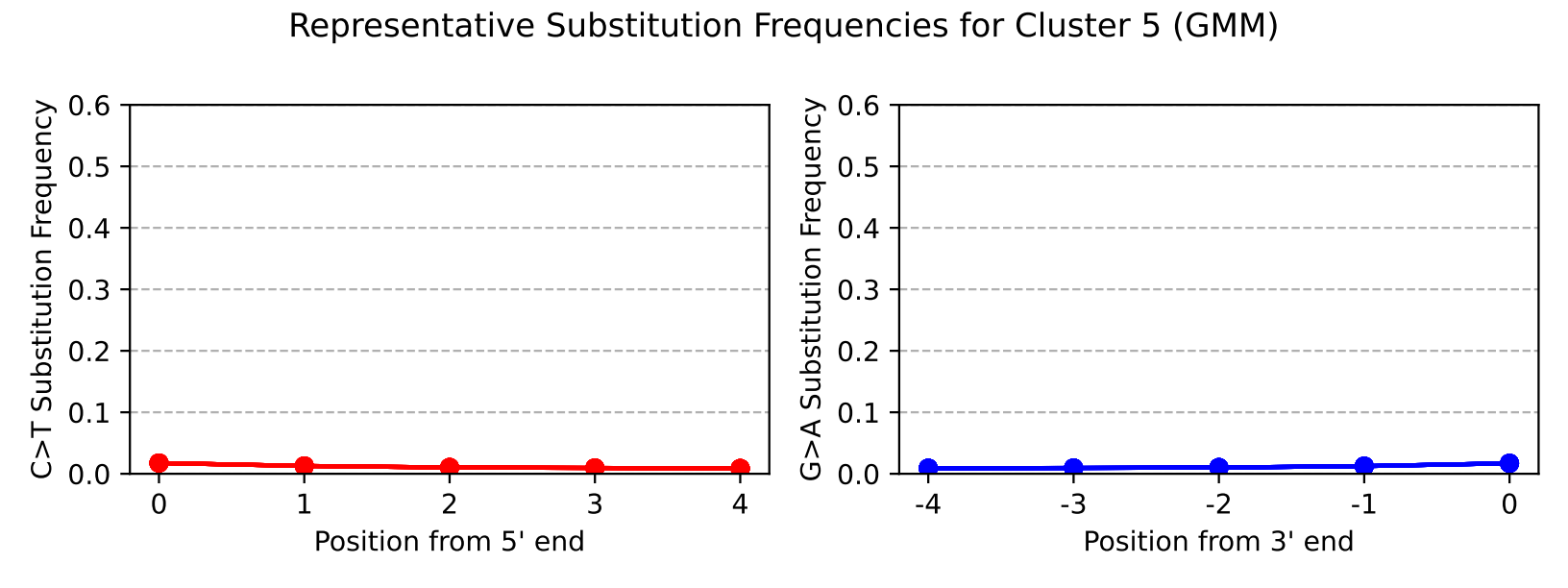

Cluster 1
Cluster 2
Cluster 3
Cluster 4
Cluster 5
Cluster 6
Samples (by ID)
Probability of Cluster Membership
0.00
0.25
0.50
0.75
1.00

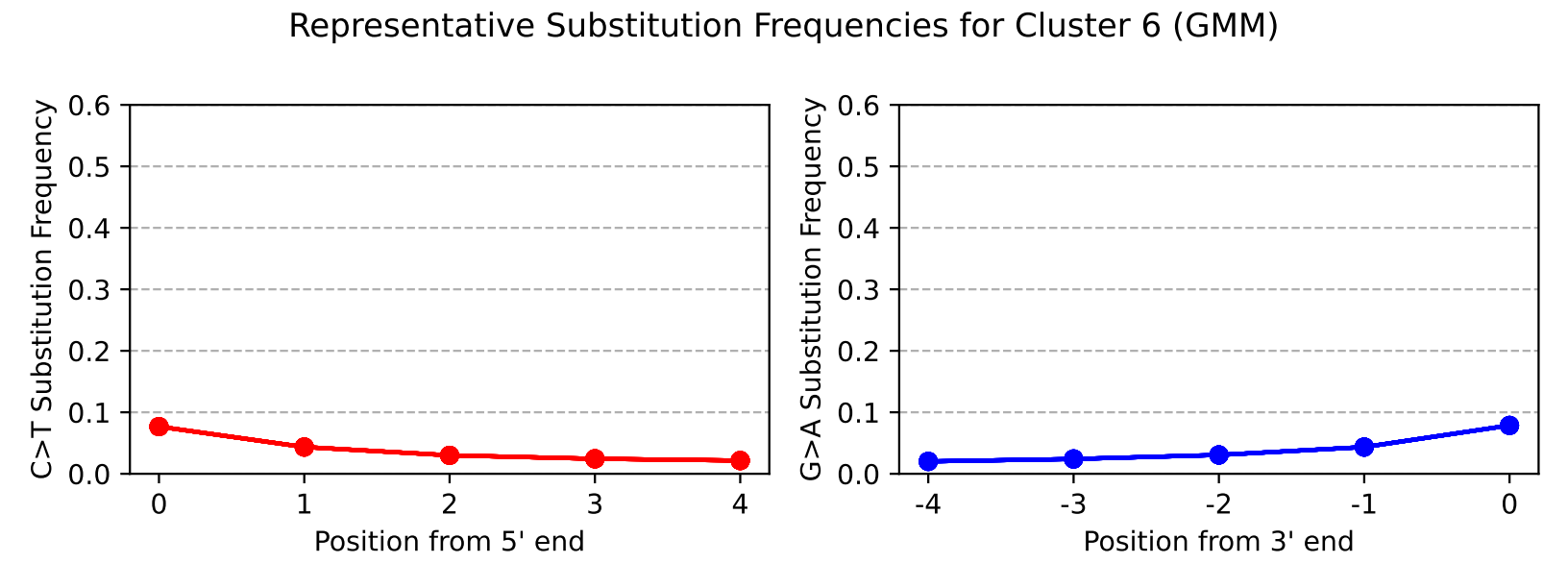

Representative Substitution Frequencies for Cluster 1 (GMM)
C>T Substitution Frequency
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
1
2
3
4
Position from 5' end
G>A Substitution Frequency
0.0
0.1
0.2
0.3
0.4
0.5
0.6
-4
-3
-2
-1
0
Position from 3' end


Representative Substitution Frequencies for Cluster 2 (GMM)
C>T Substitution Frequency
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
1
2
3
4
Position from 5' end
G>A Substitution Frequency
0.0
0.1
0.2
0.3
0.4
0.5
0.6
-4
-3
-2
-1
0
Position from 3' end


Representative Substitution Frequencies for Cluster 3 (GMM)
C>T Substitution Frequency
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
1
2
3
4
Position from 5' end
G>A Substitution Frequency
0.0
0.1
0.2
0.3
0.4
0.5
0.6
-4
-3
-2
-1
0
Position from 3' end


Representative Substitution Frequencies for Cluster 4 (GMM)
C>T Substitution Frequency
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
1
2
3
4
Position from 5' end
G>A Substitution Frequency
0.0
0.1
0.2
0.3
0.4
0.5
0.6
-4
-3
-2
-1
0
Position from 3' end


Representative Substitution Frequencies for Cluster 5 (GMM)
C>T Substitution Frequency
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
1
2
3
4
Position from 5' end
G>A Substitution Frequency
0.0
0.1
0.2
0.3
0.4
0.5
0.6
-4
-3
-2
-1
0
Position from 3' end


Representative Substitution Frequencies for Cluster 6 (GMM)
C>T Substitution Frequency
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
1
2
3
4
Position from 5' end
G>A Substitution Frequency
0.0
0.1
0.2
0.3
0.4
0.5
0.6
-4
-3
-2
-1
0
Position from 3' end