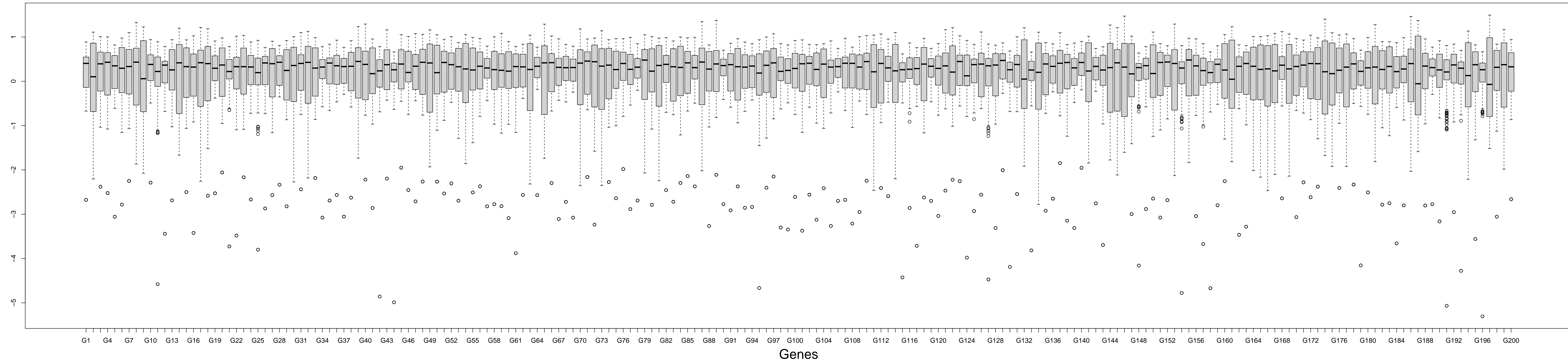
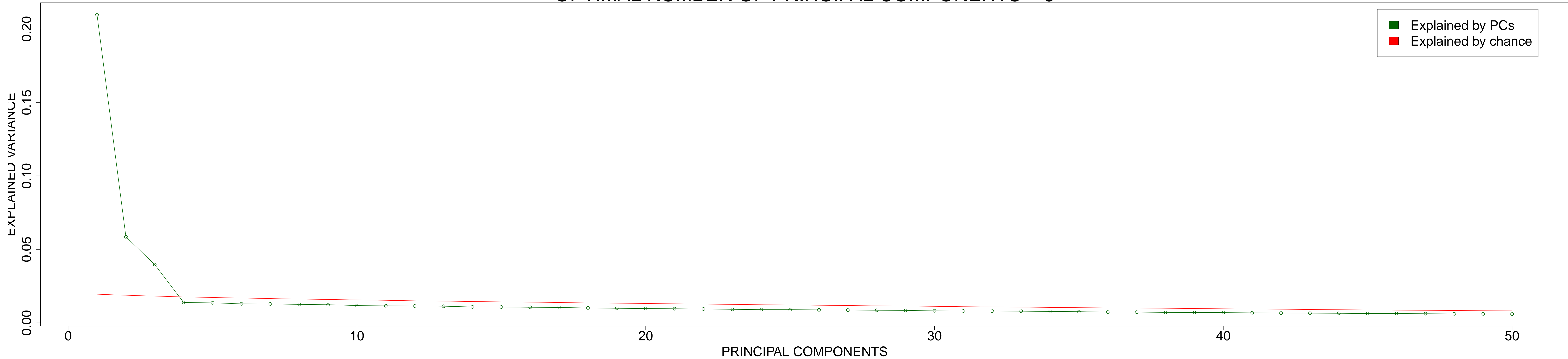
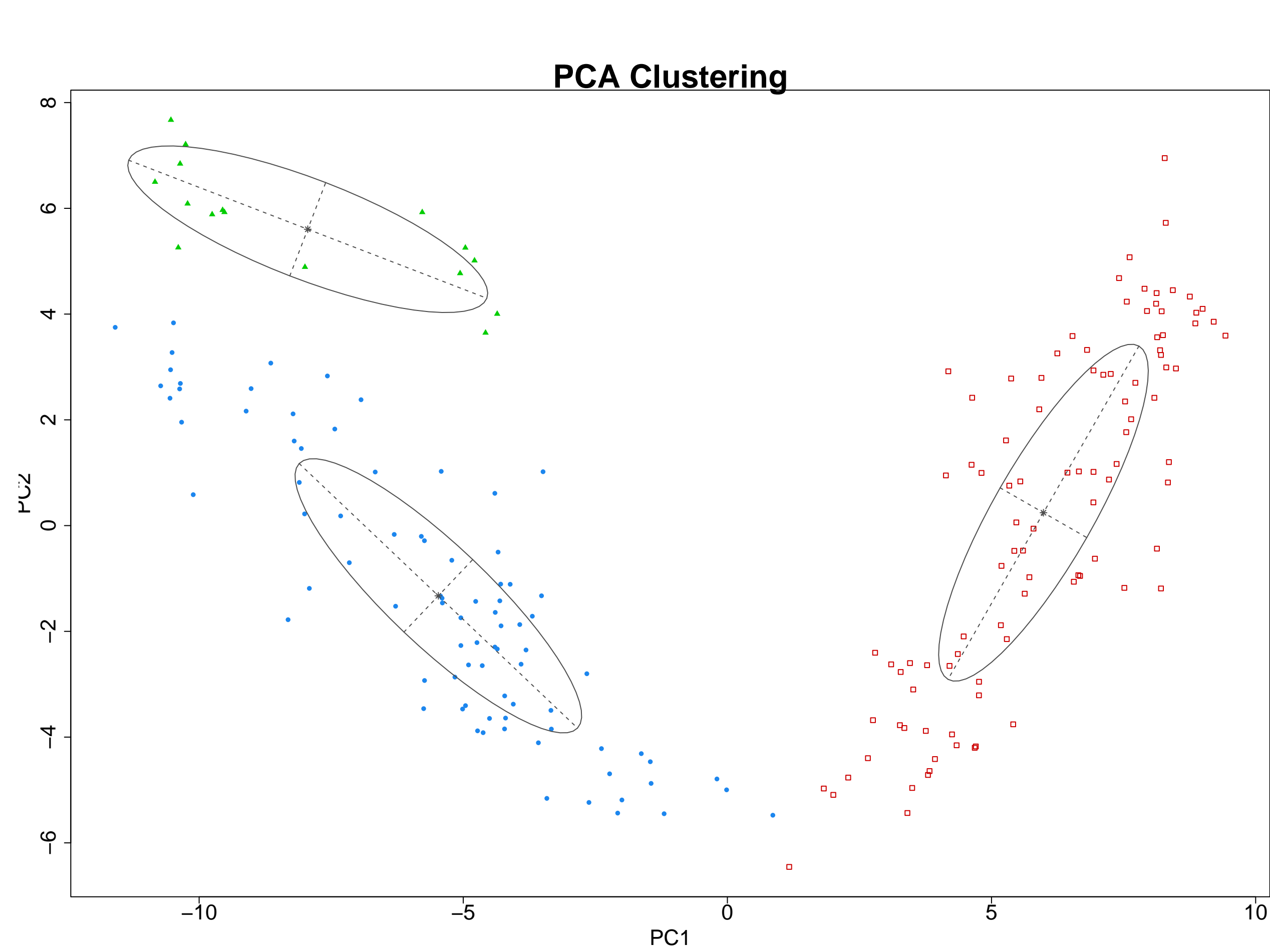
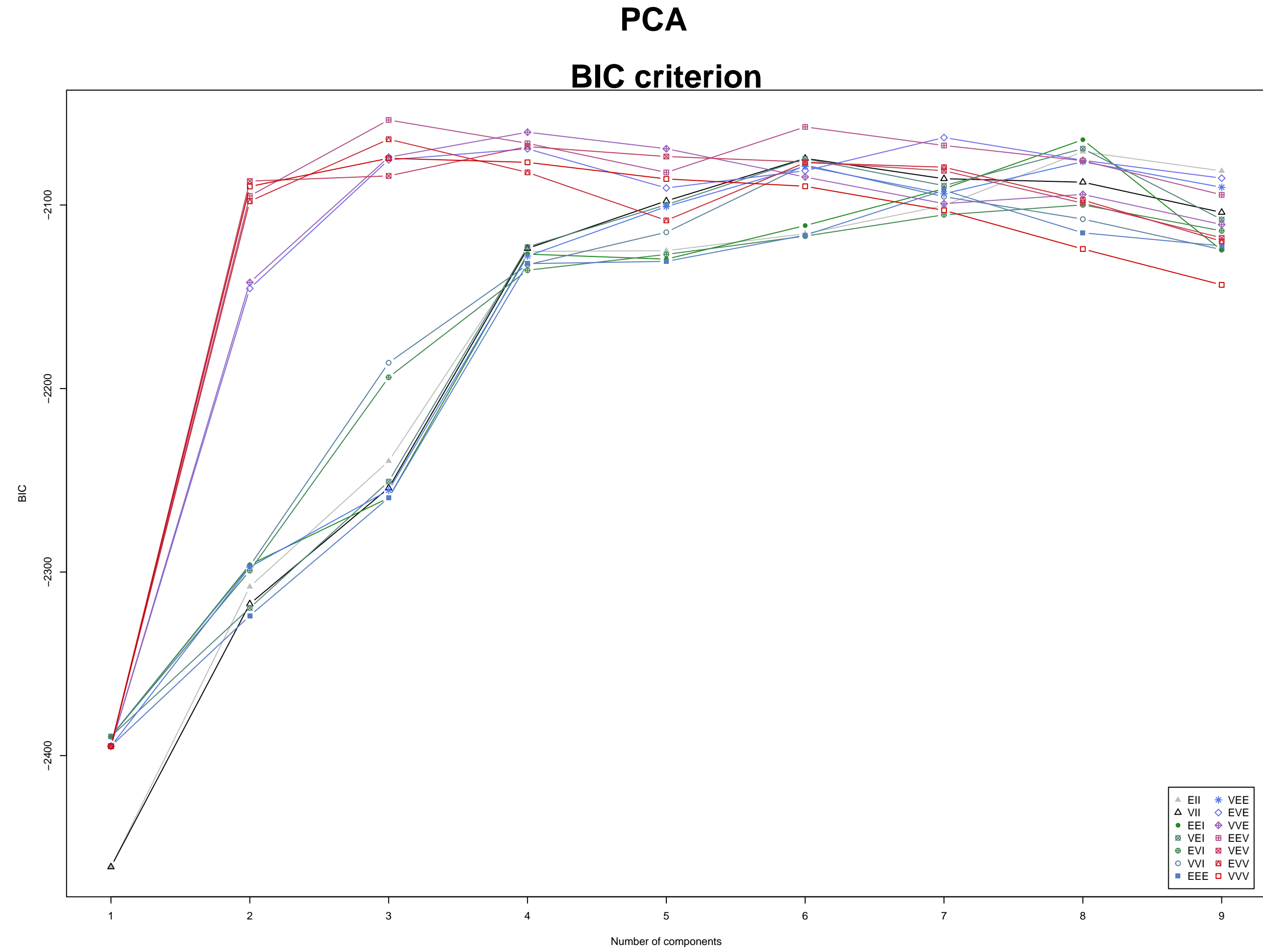
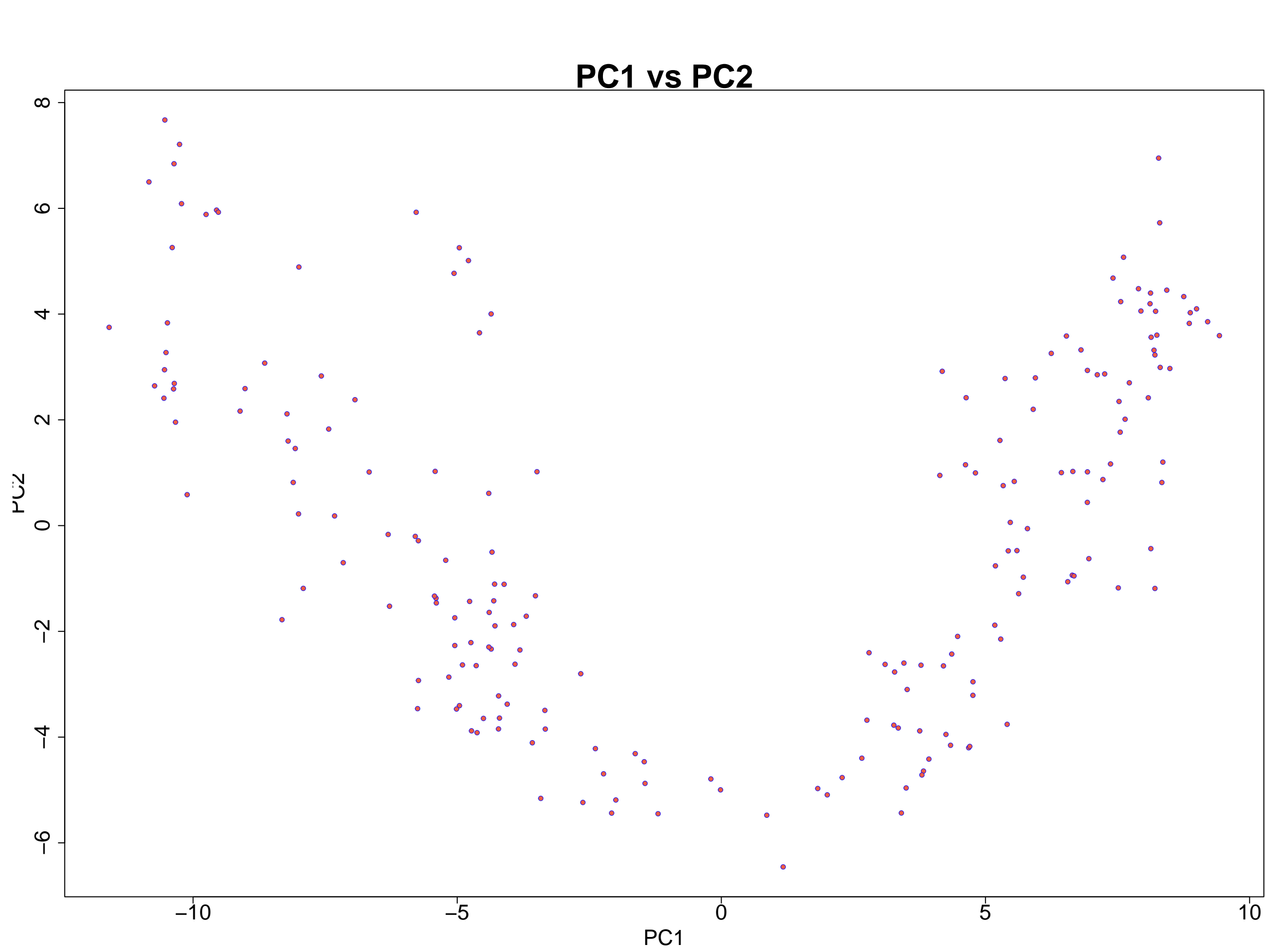


Barplot of Centered and Scaled Dataset 4

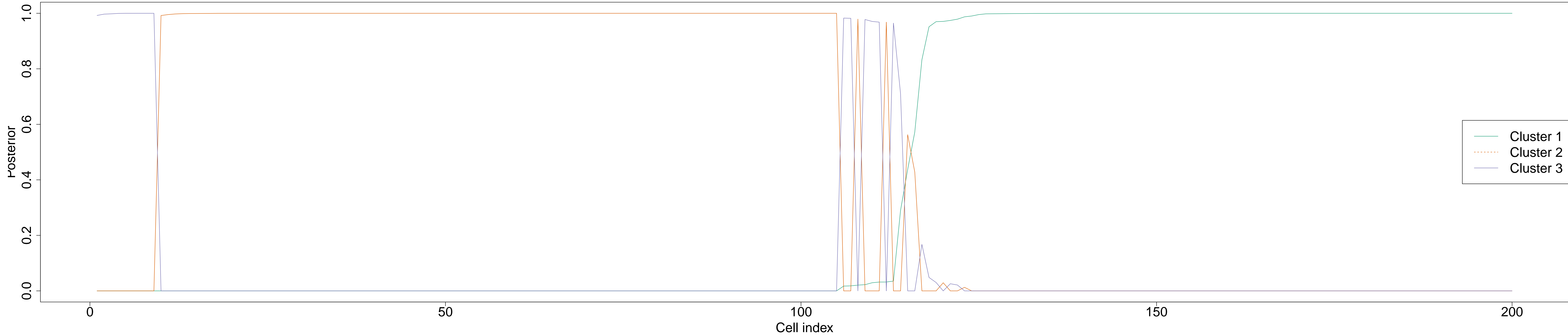


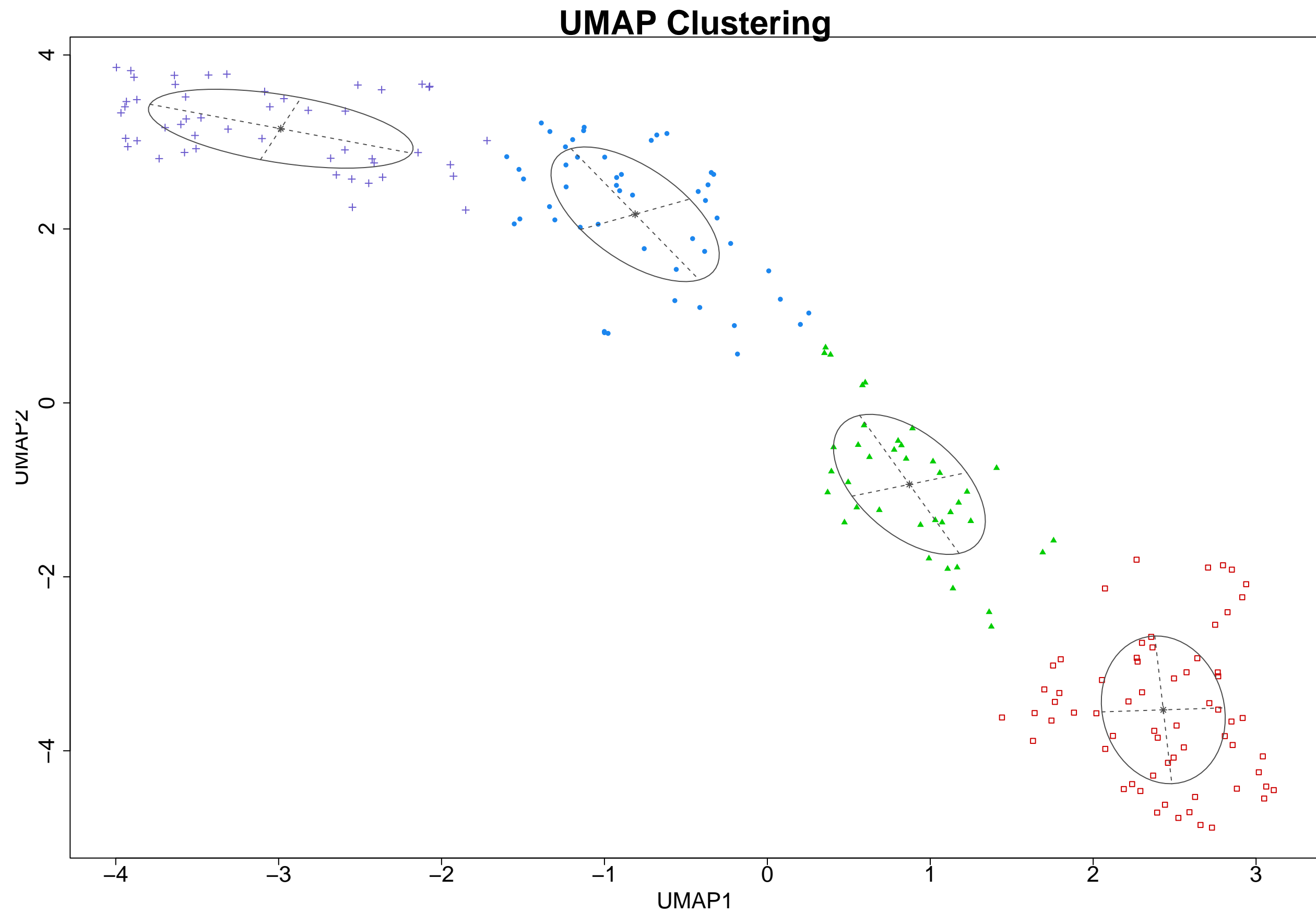
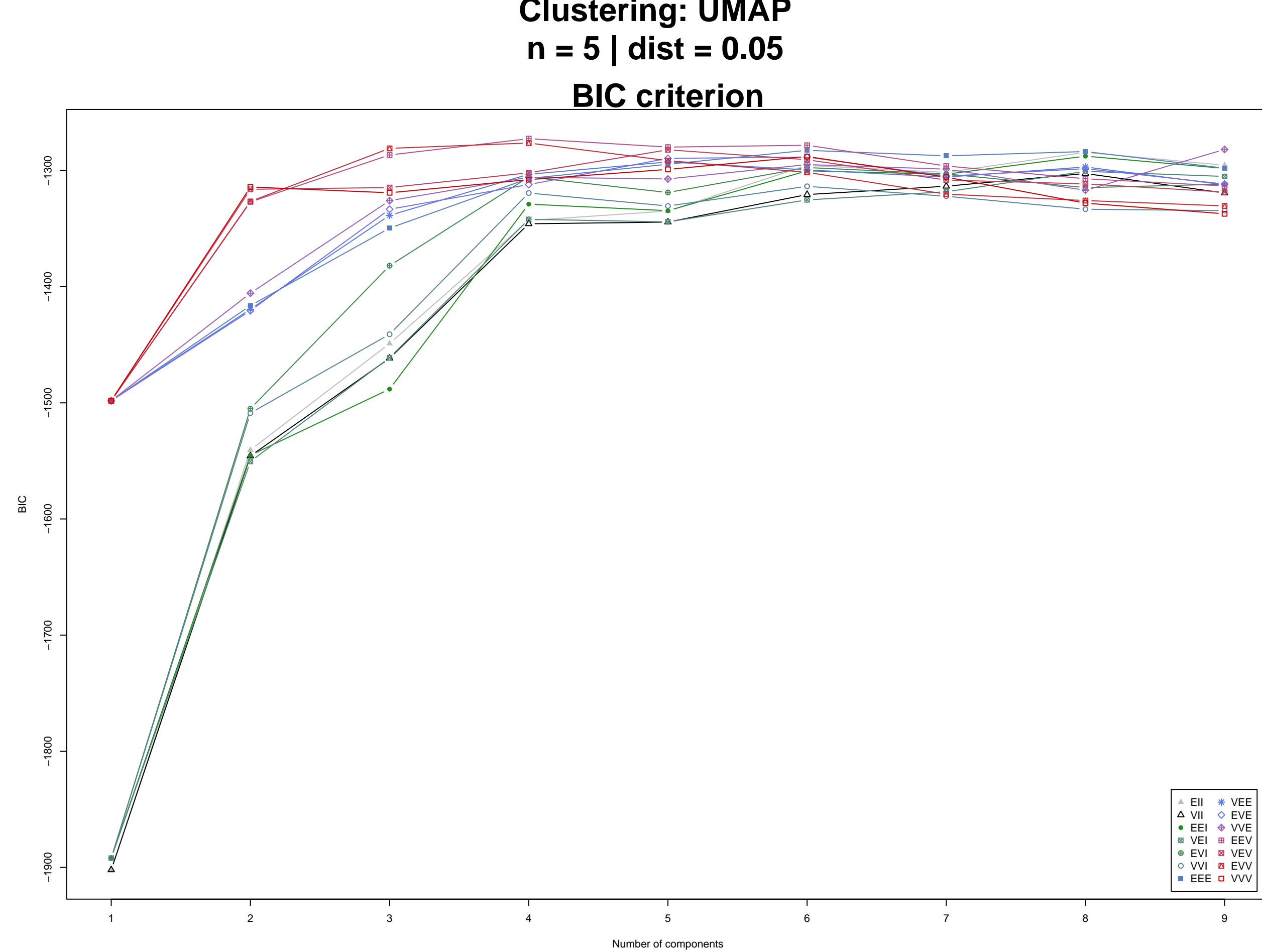
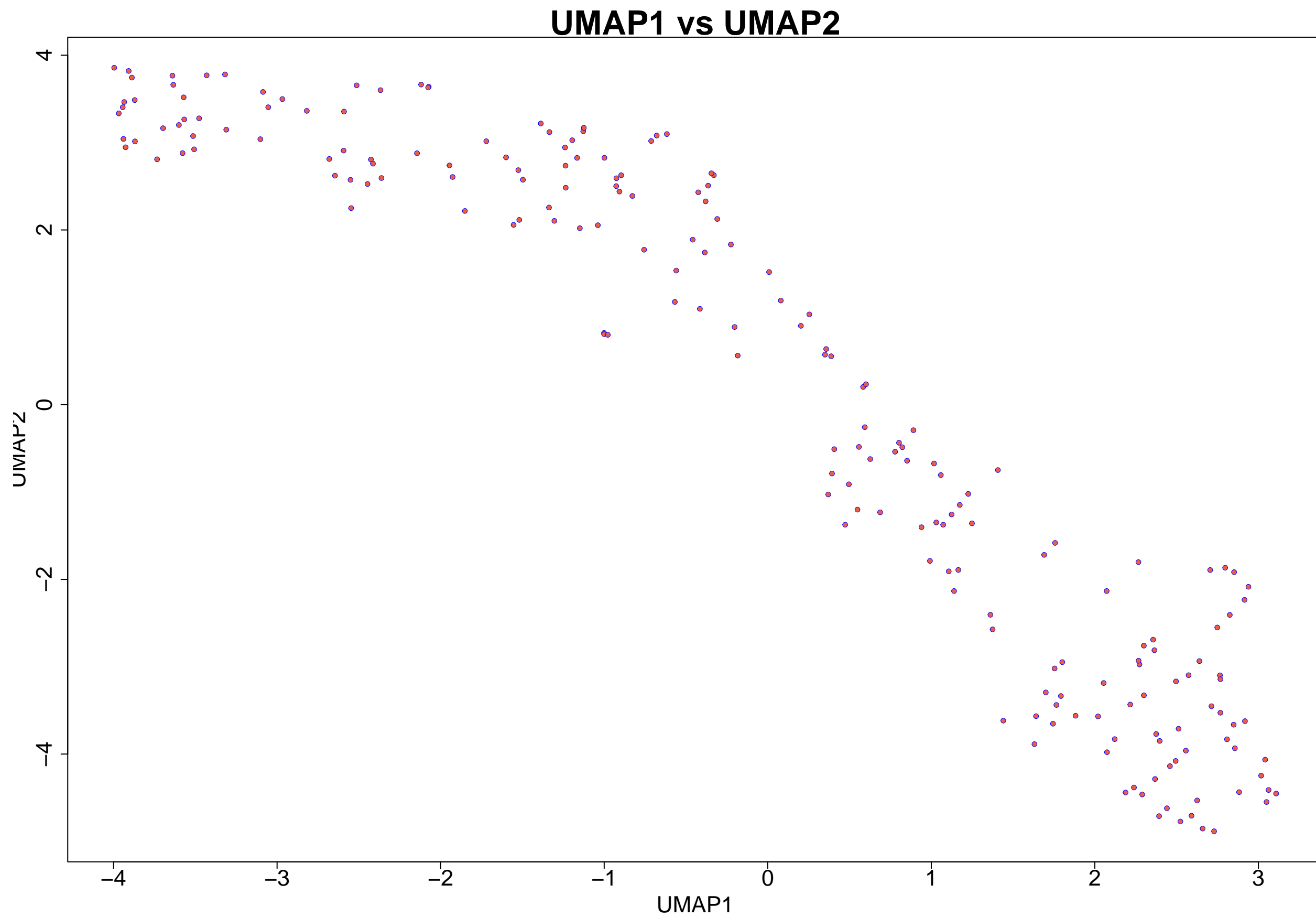
OPTIMAL NUMBER OF PRINCIPAL COMPONENTS = 3



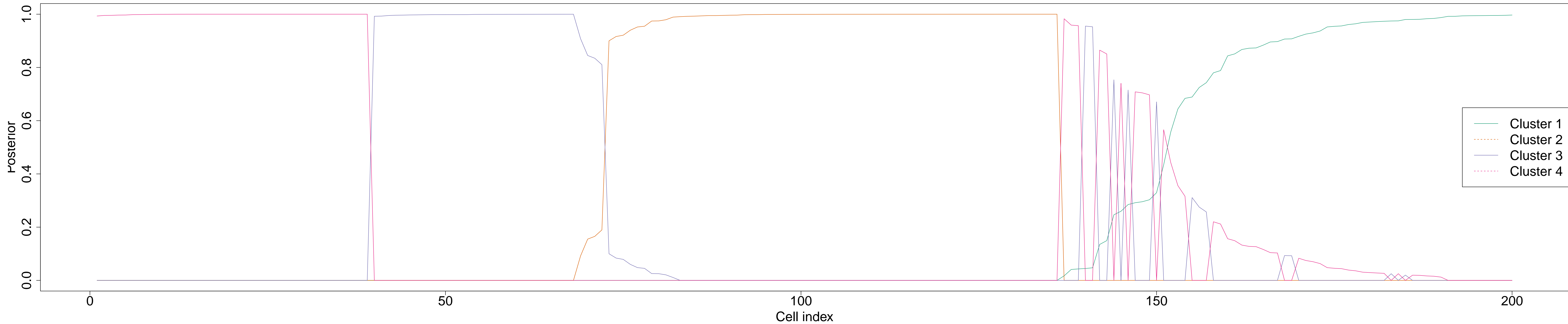


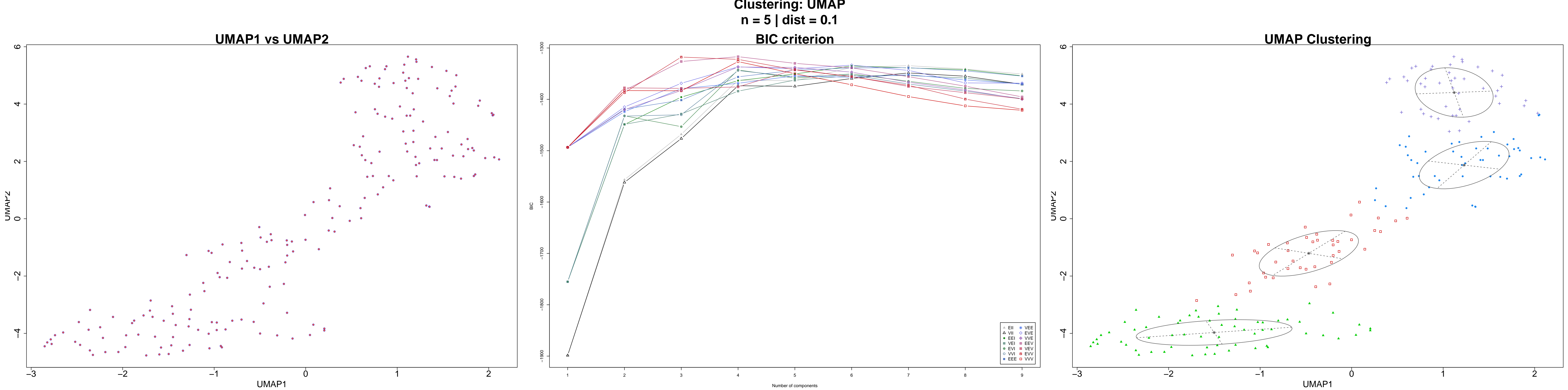
PCA Trajectory plot



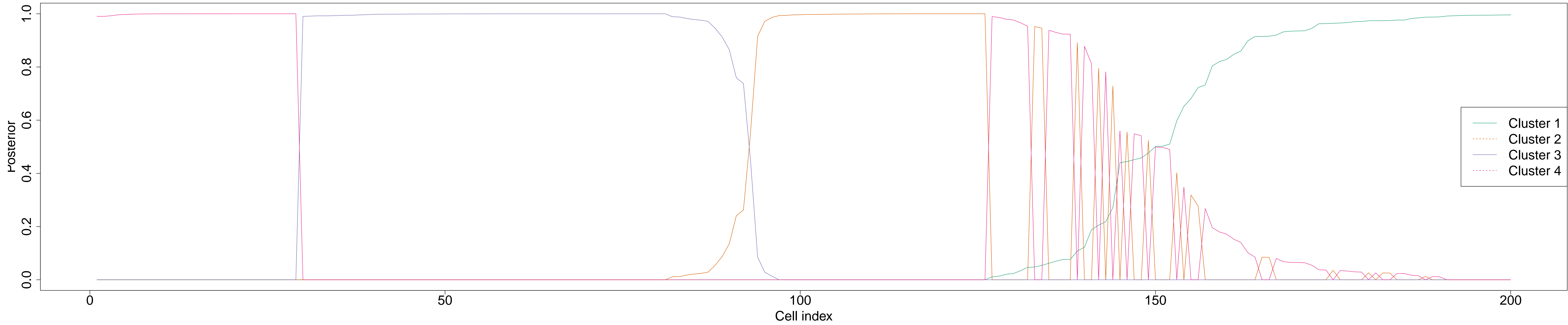


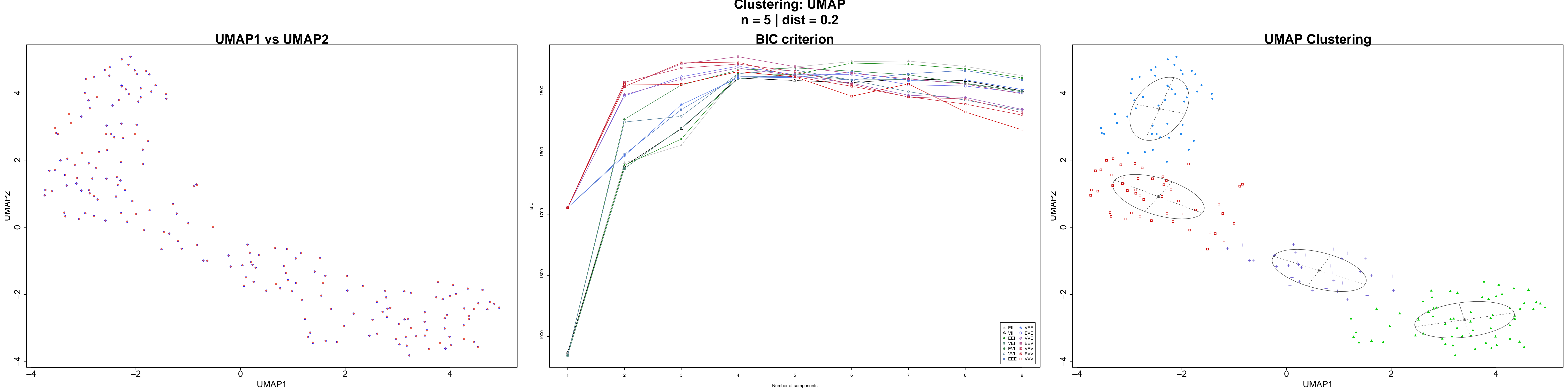
UMAP Trajectory plot



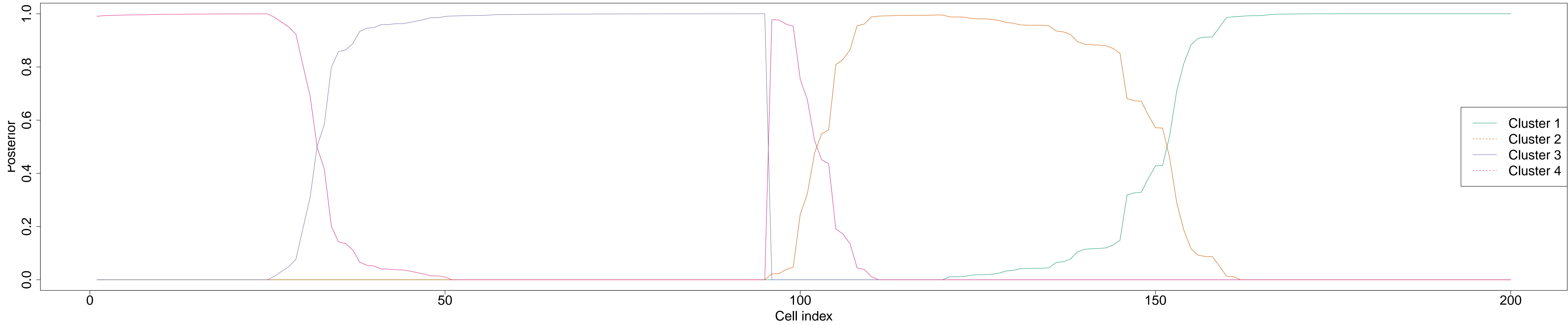


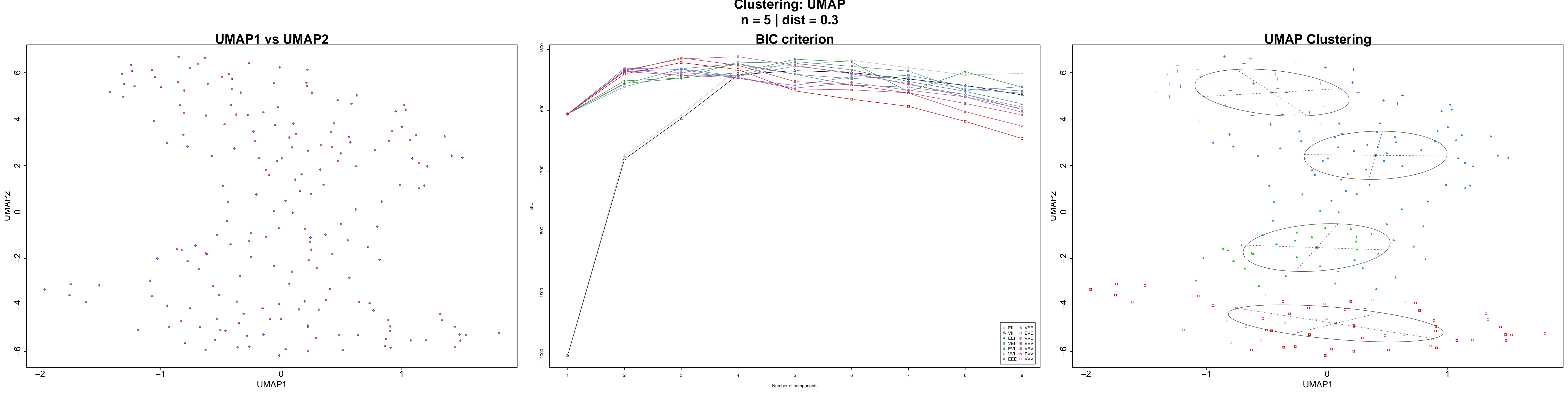
UMAP Trajectory plot



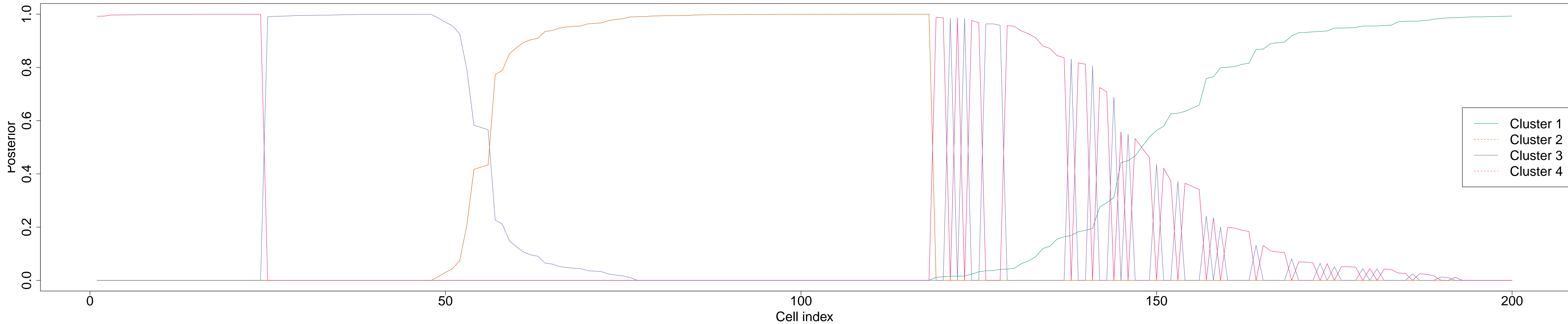


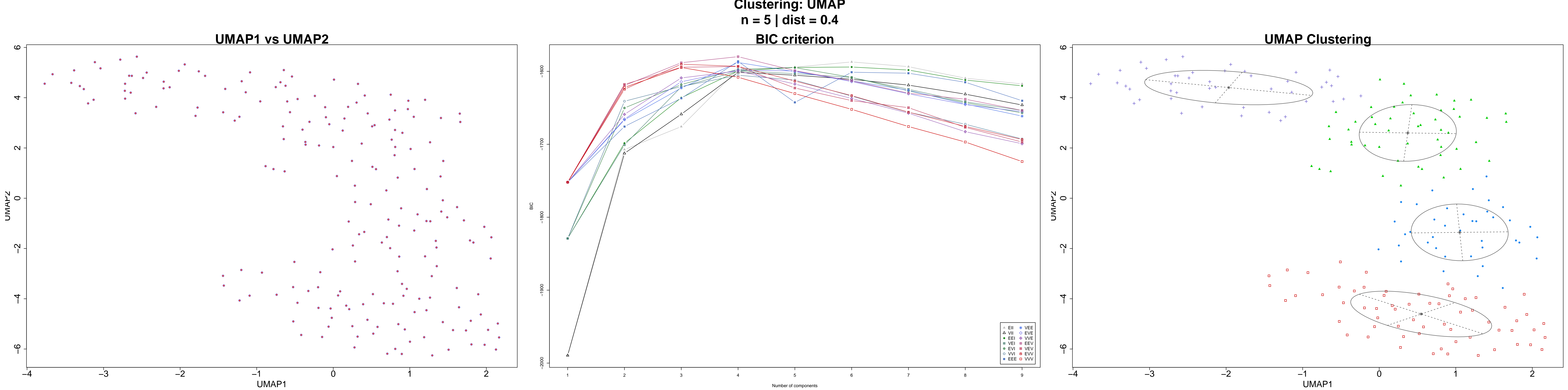
UMAP Trajectory plot



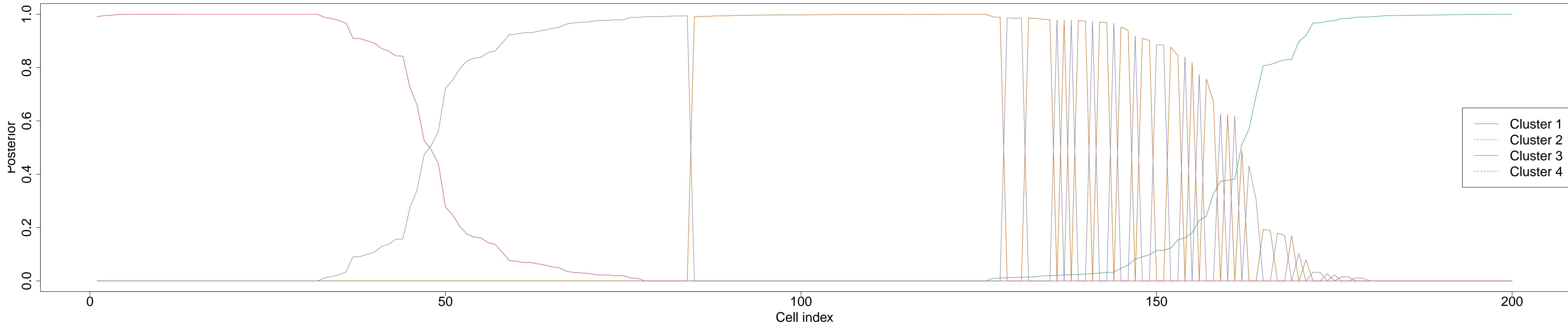


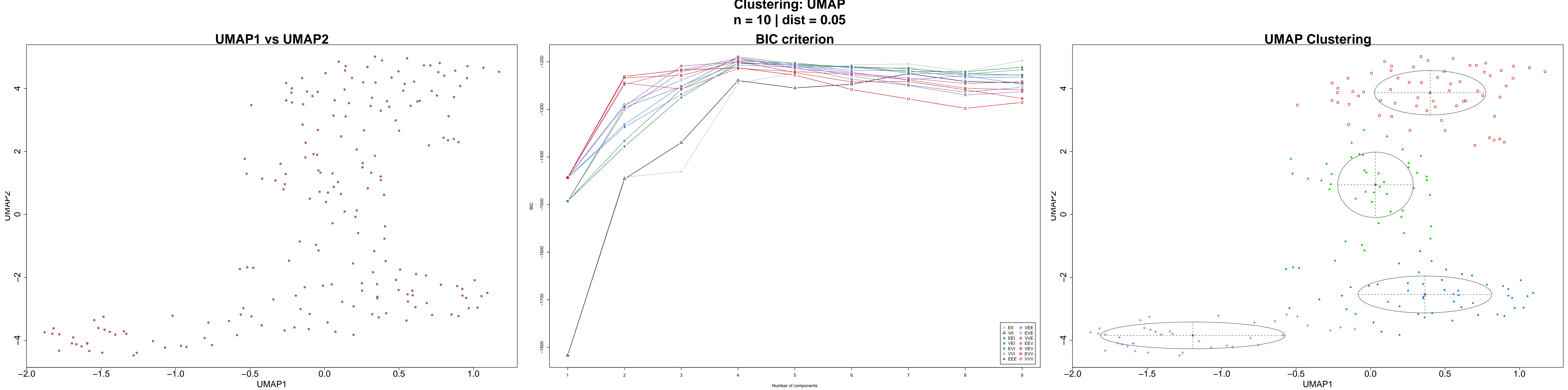
UMAP Trajectory plot



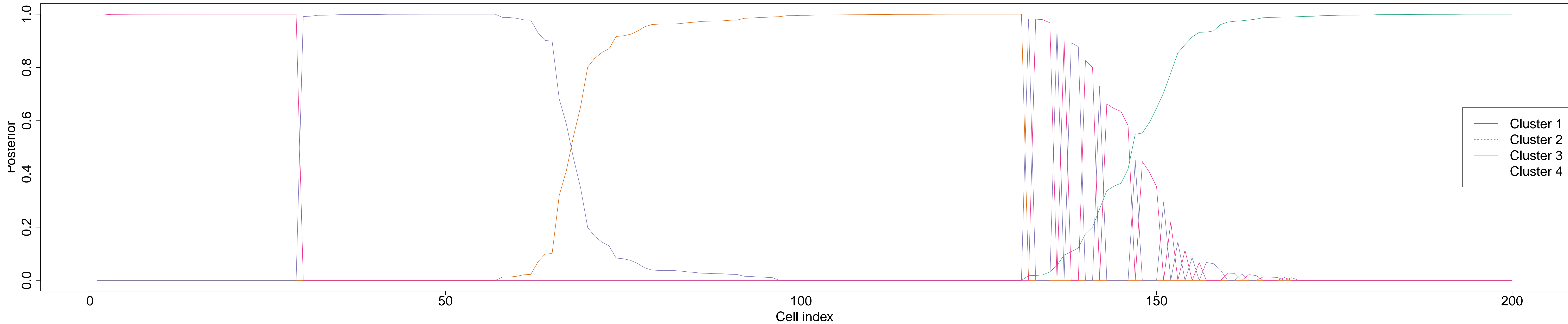


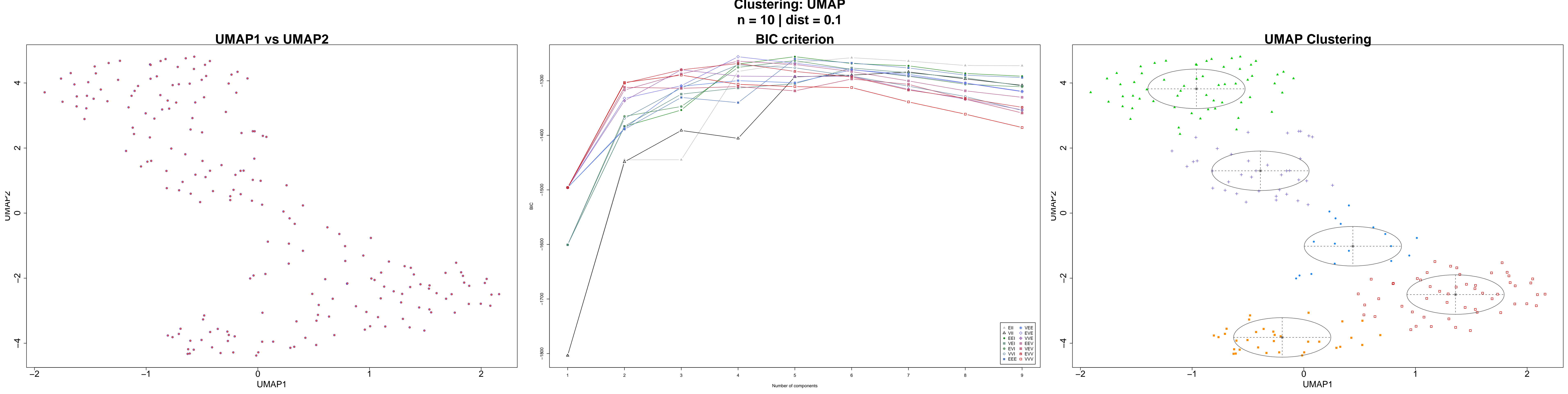
UMAP Trajectory plot



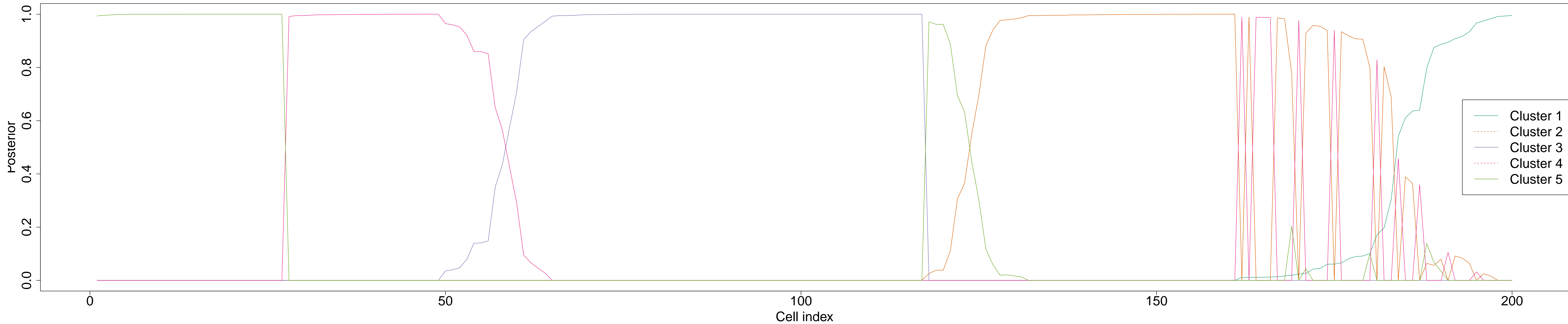


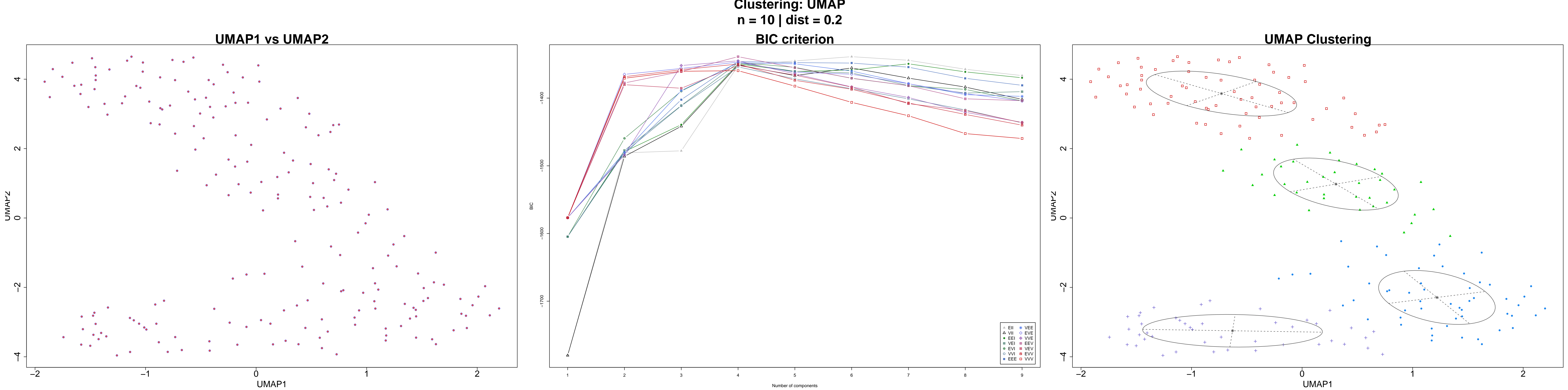
UMAP Trajectory plot



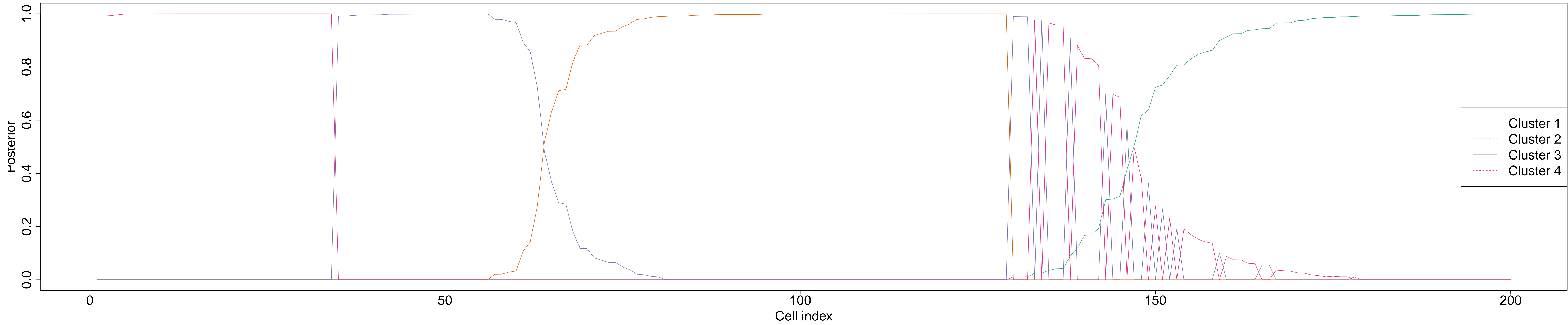


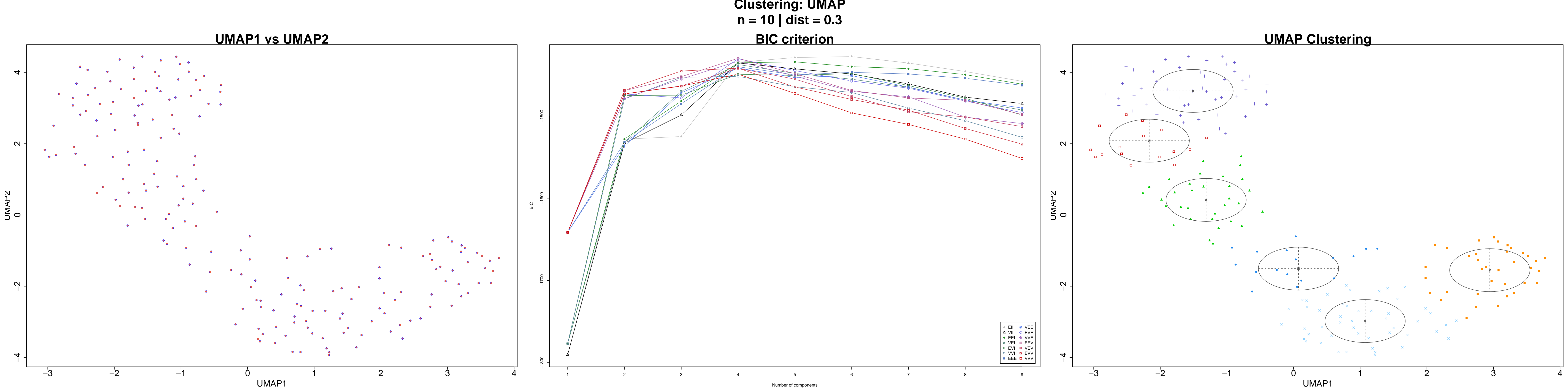
UMAP Trajectory plot



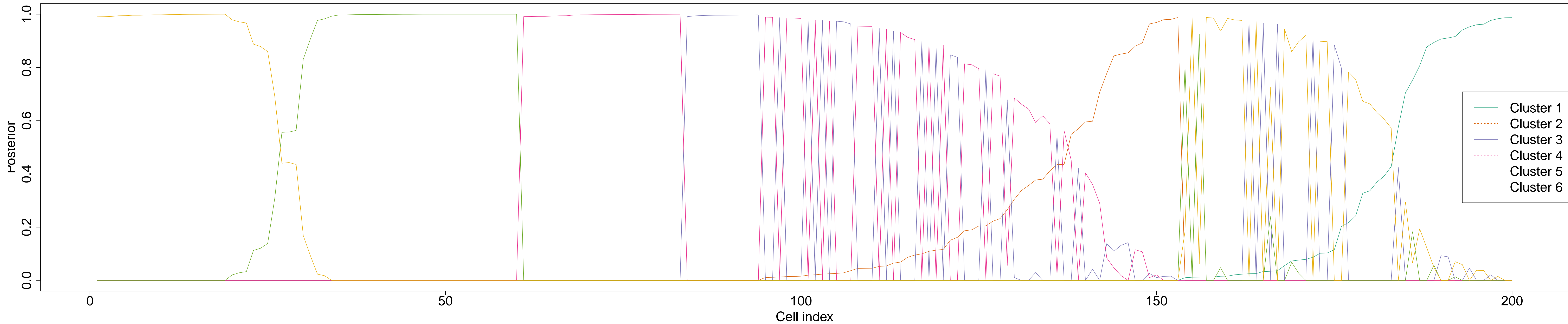


UMAP Trajectory plot



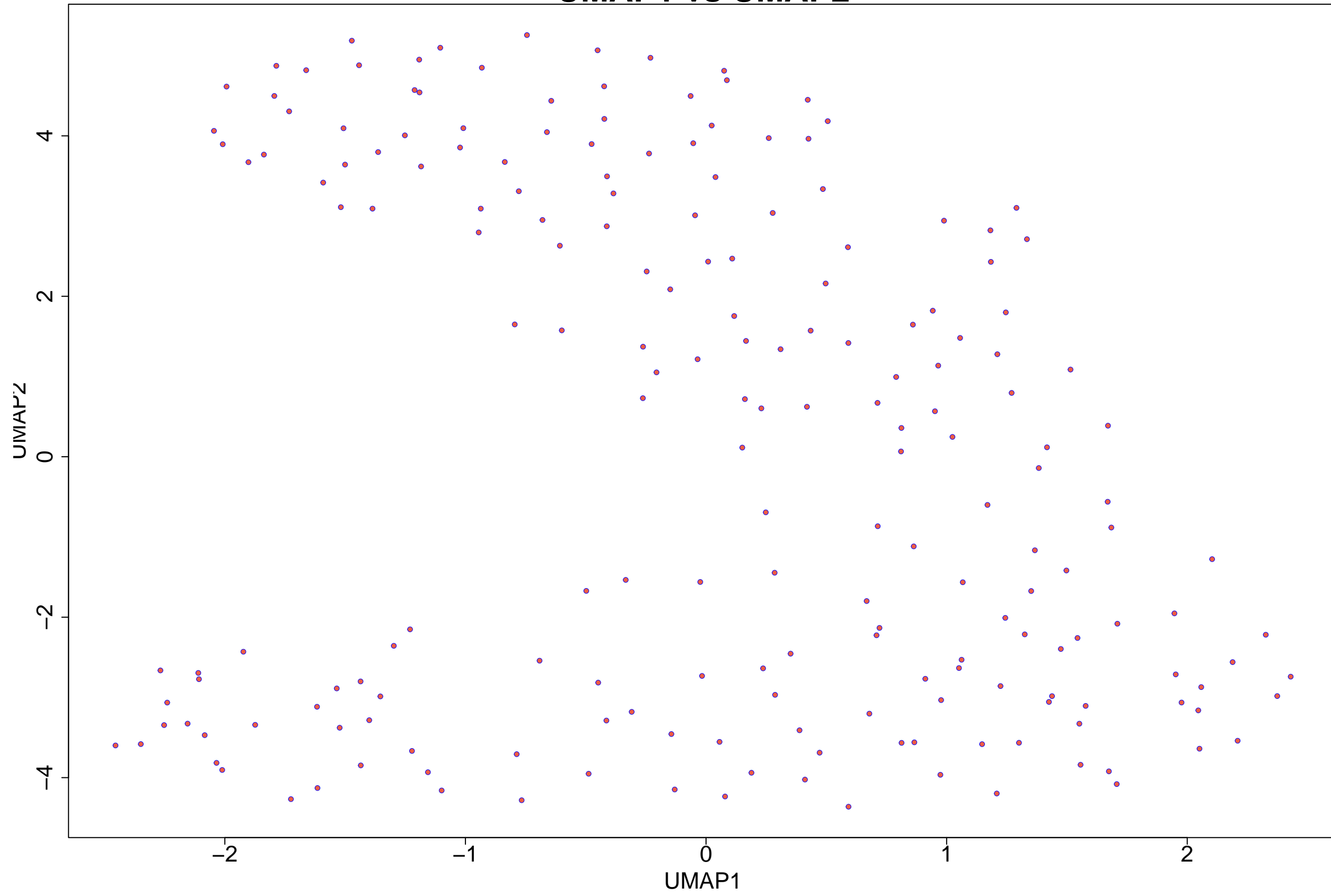


UMAP Trajectory plot

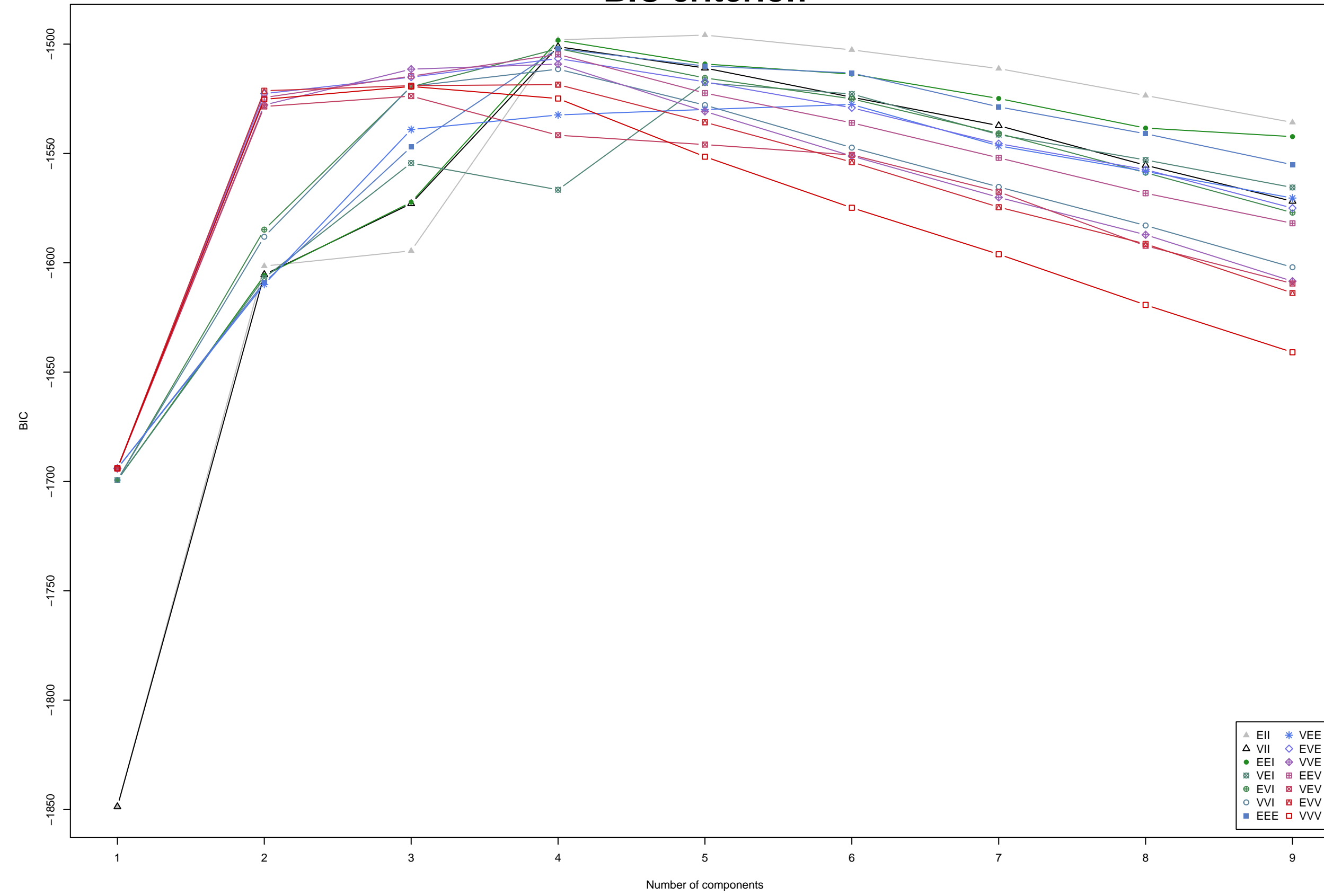


Clustering: UMAP
n = 10 | dist = 0.4

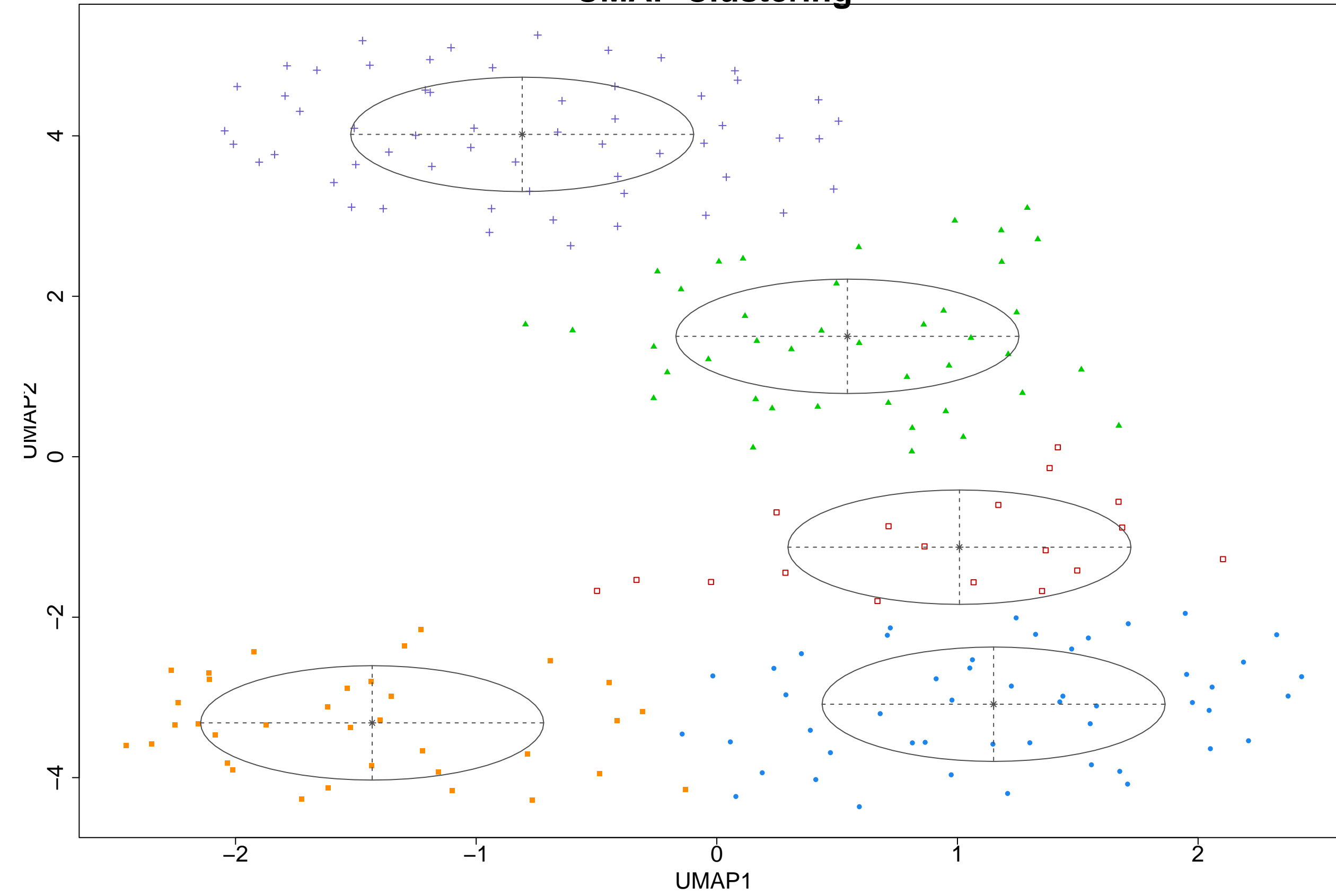
UMAP1 vs UMAP2



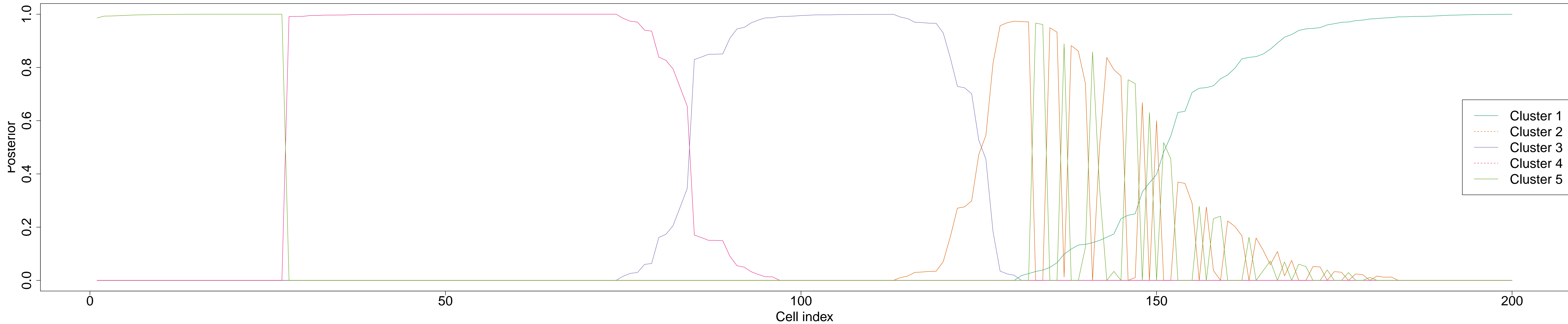
BIC criterion

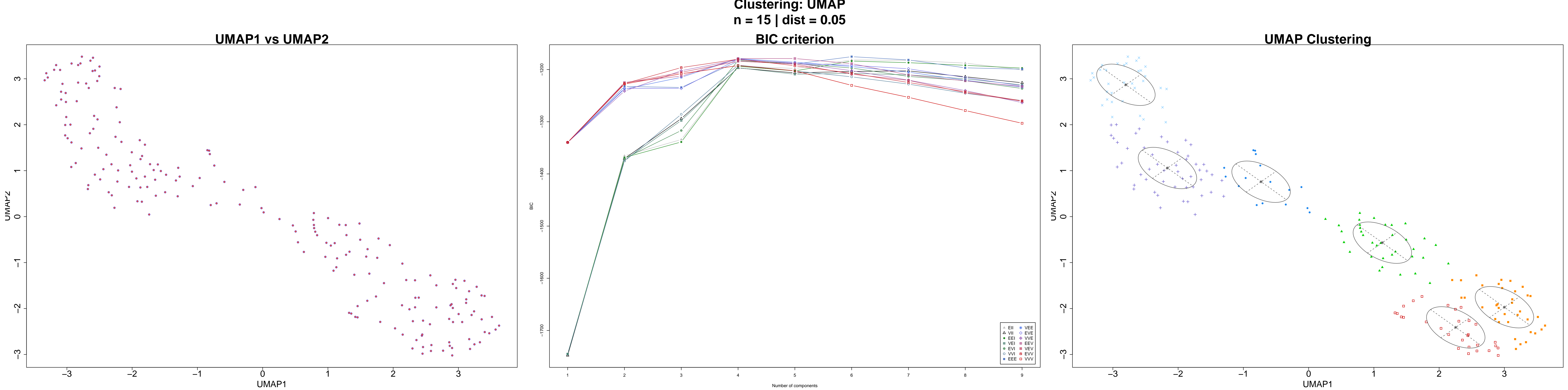


UMAP Clustering

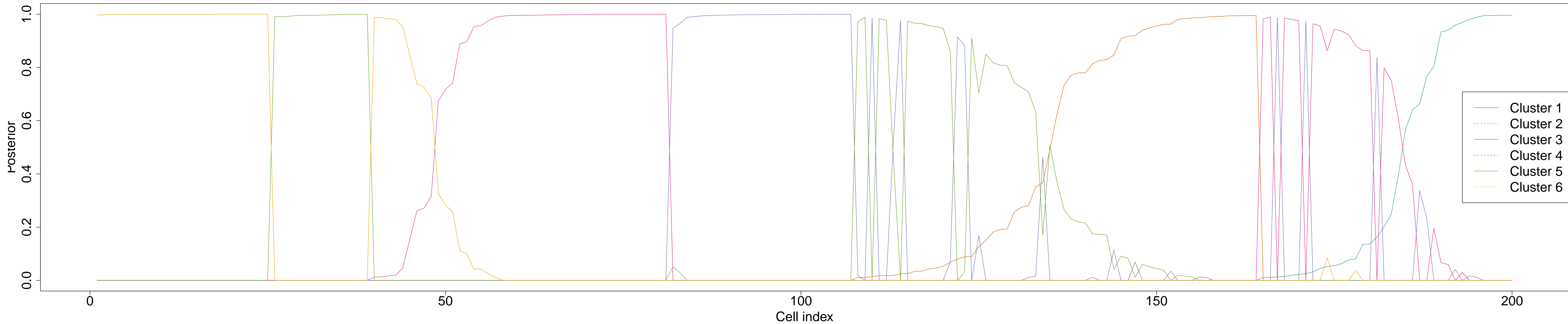


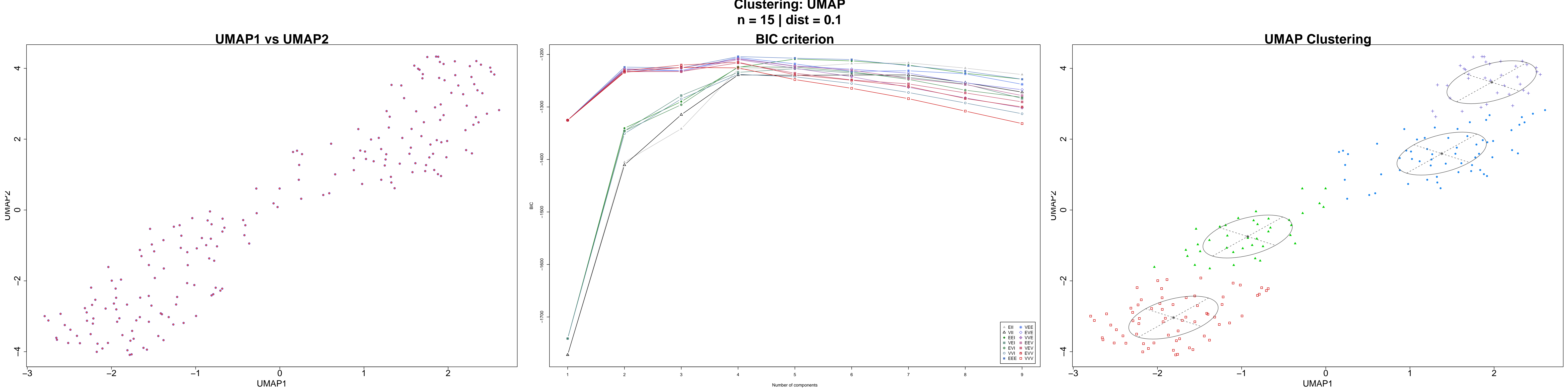
UMAP Trajectory plot



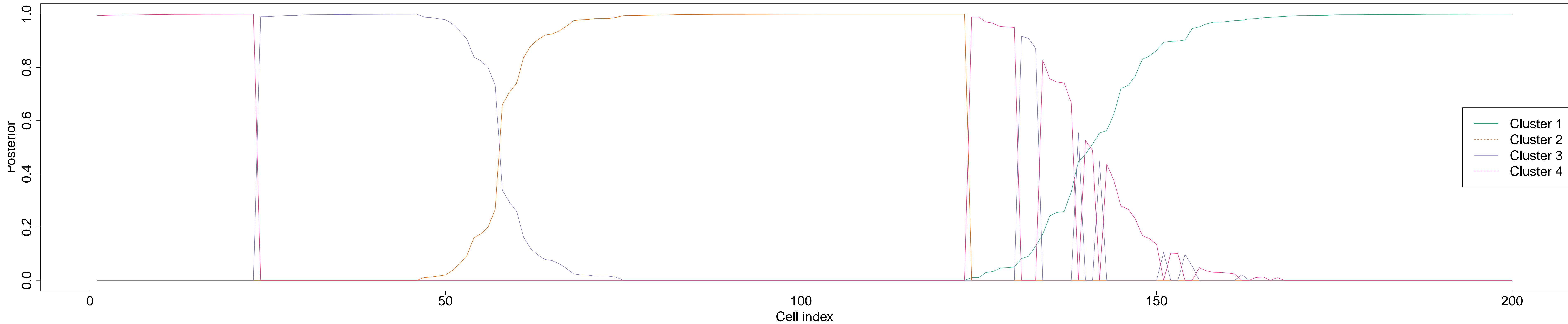


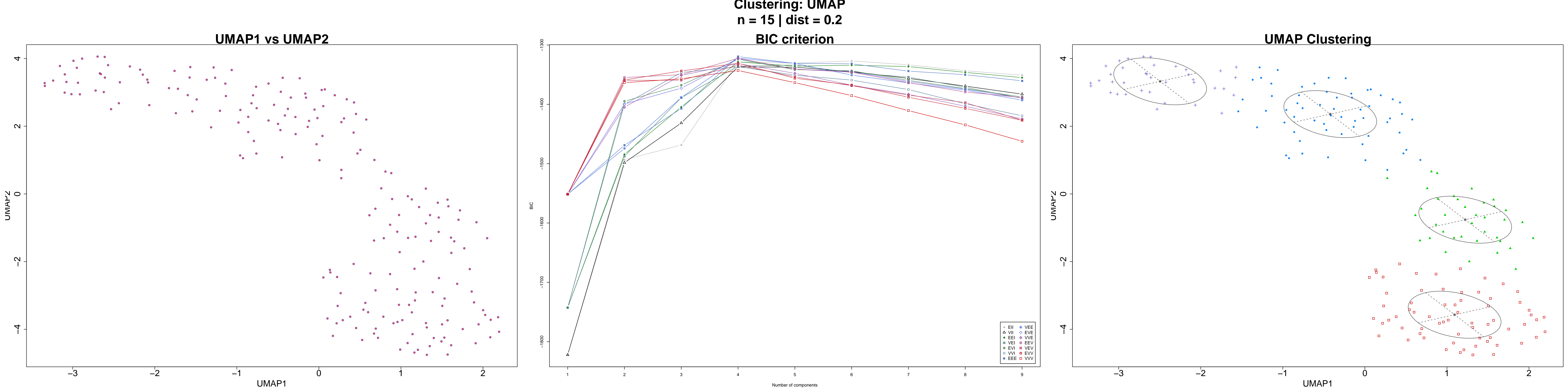
UMAP Trajectory plot



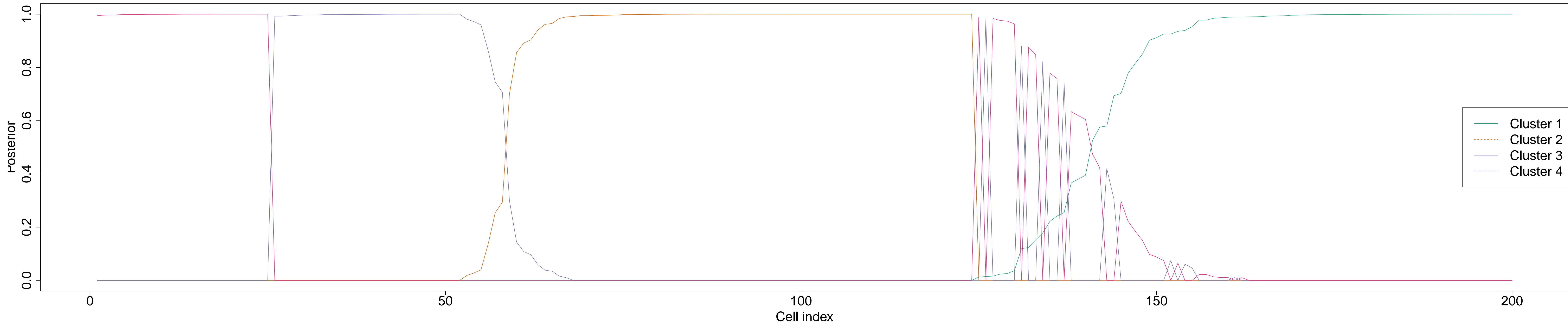


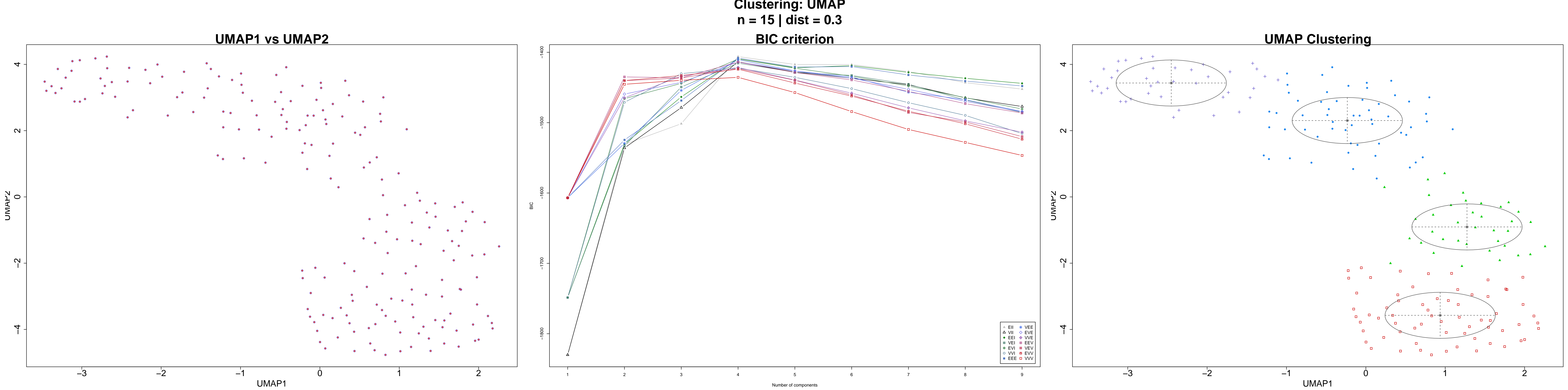
UMAP Trajectory plot



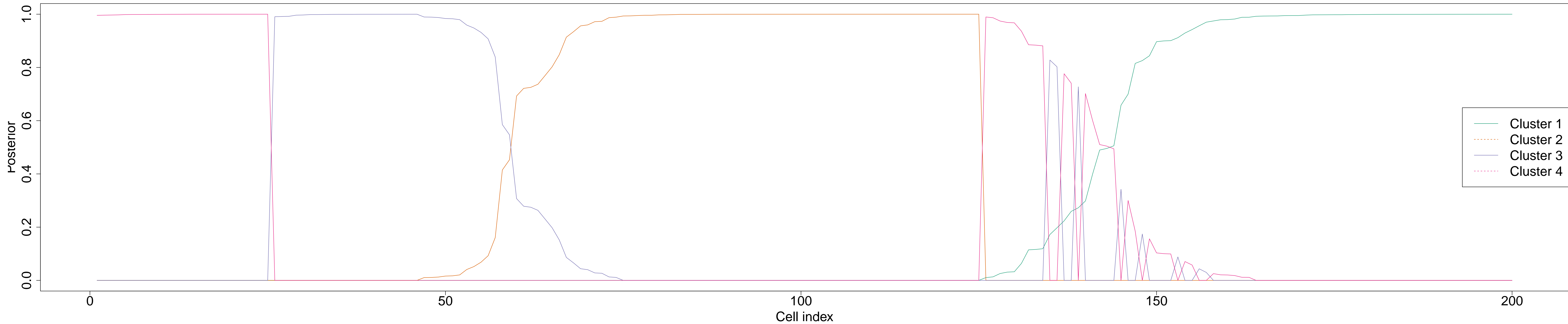


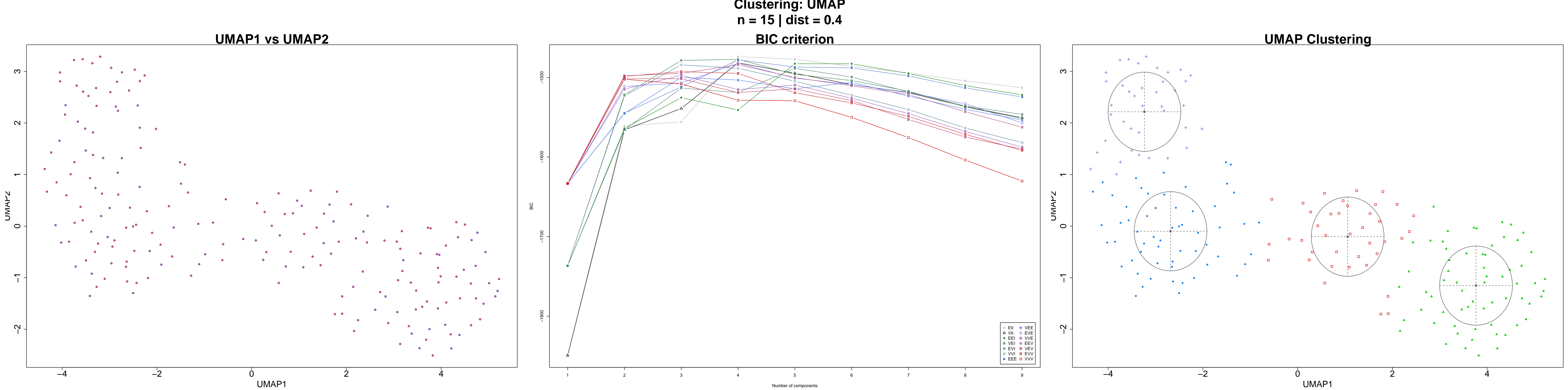
UMAP Trajectory plot



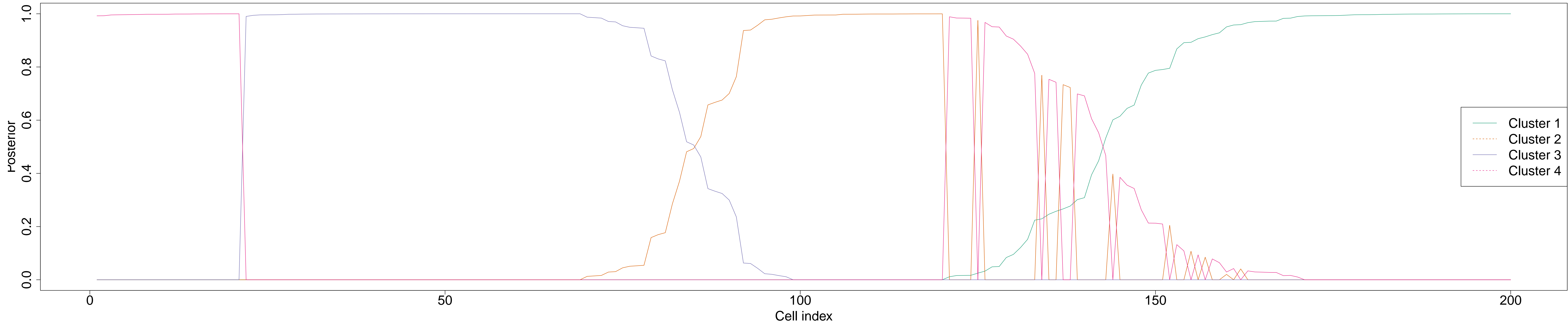


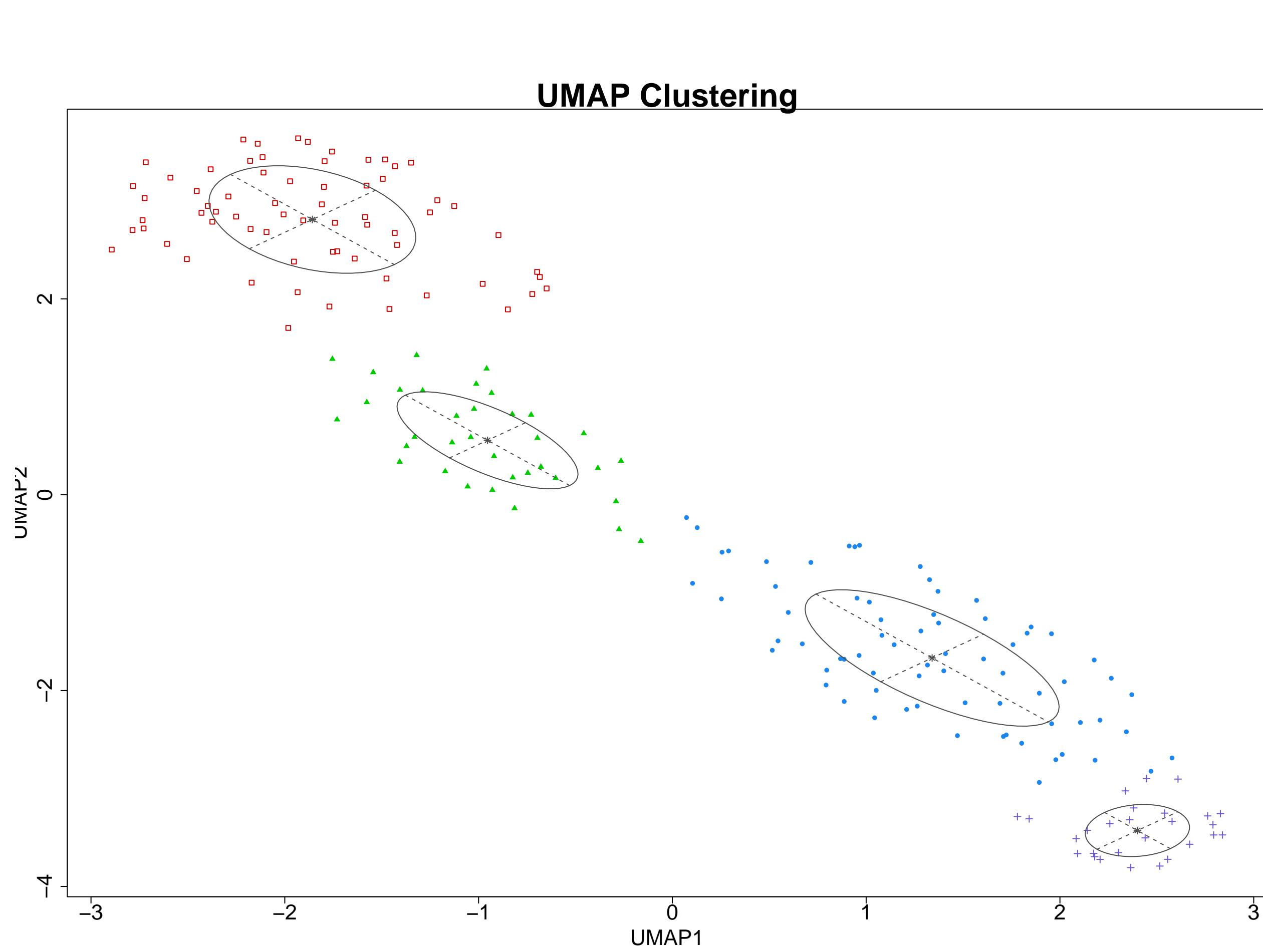
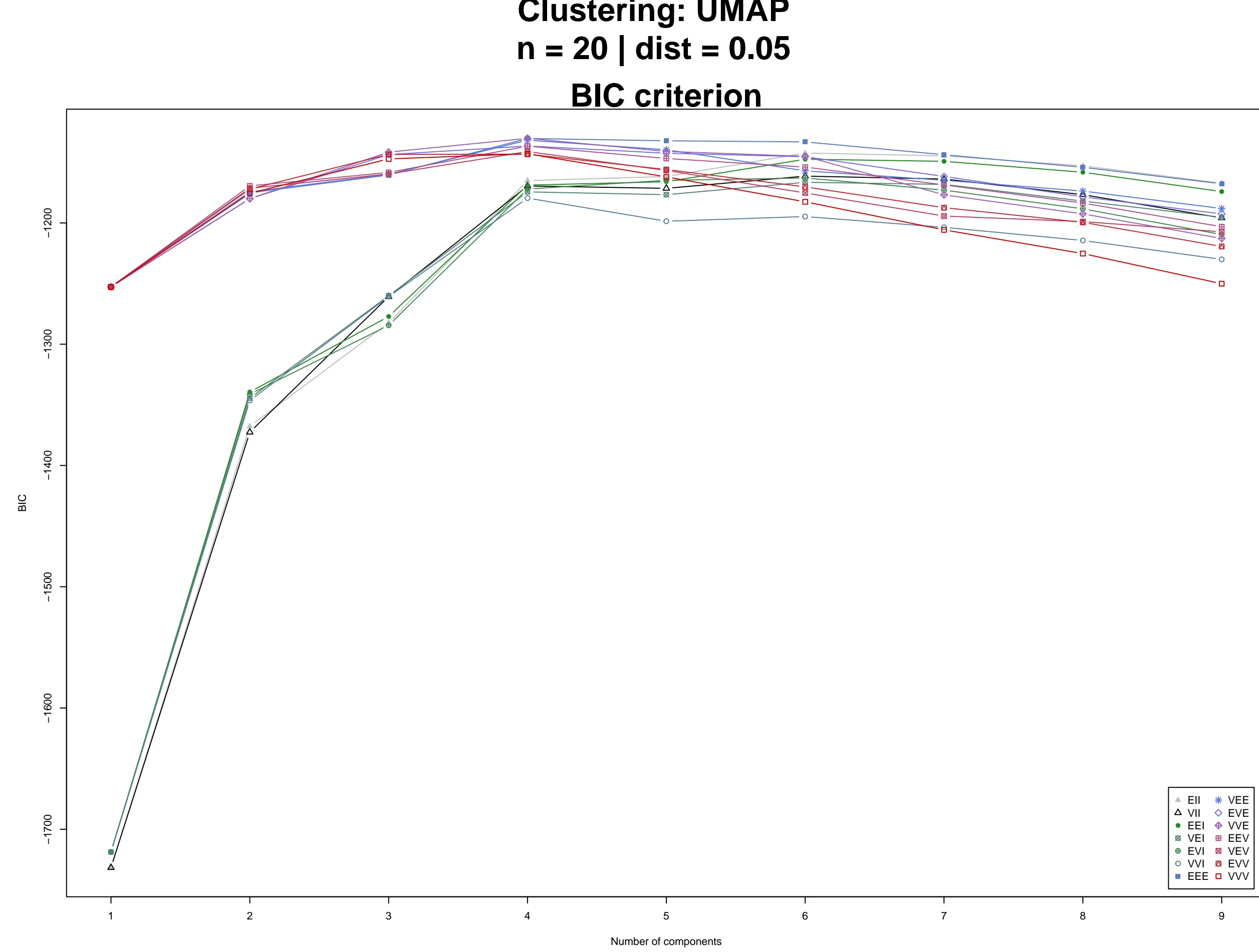
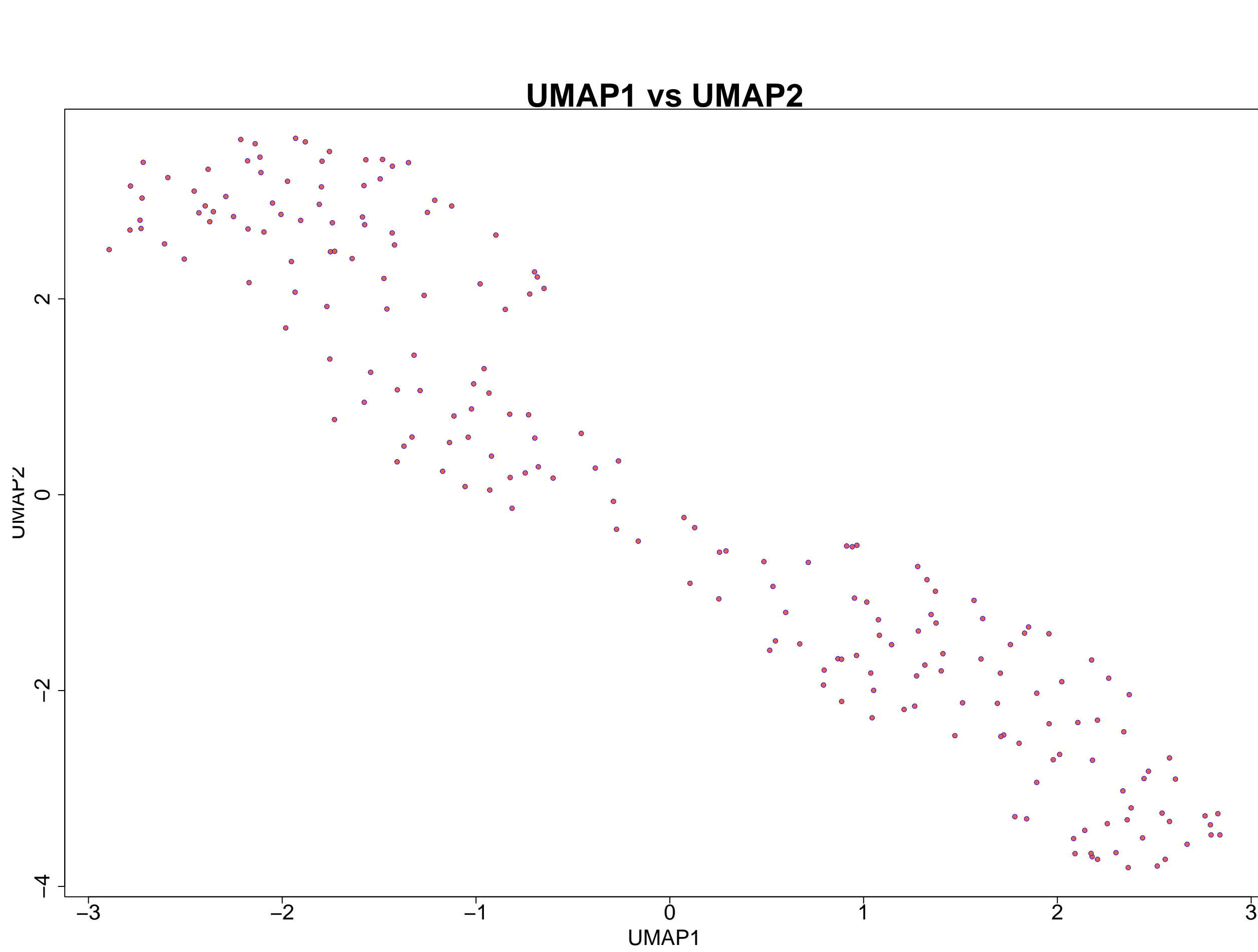
UMAP Trajectory plot



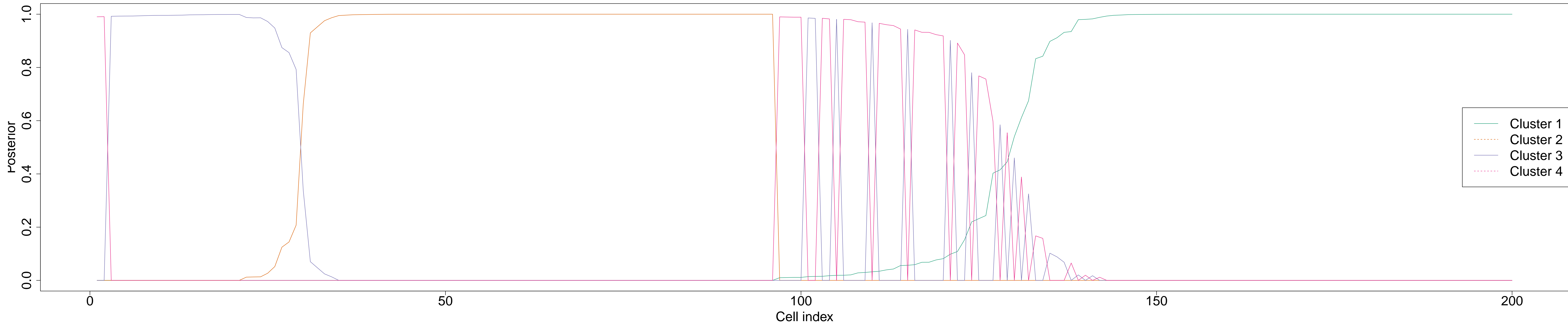


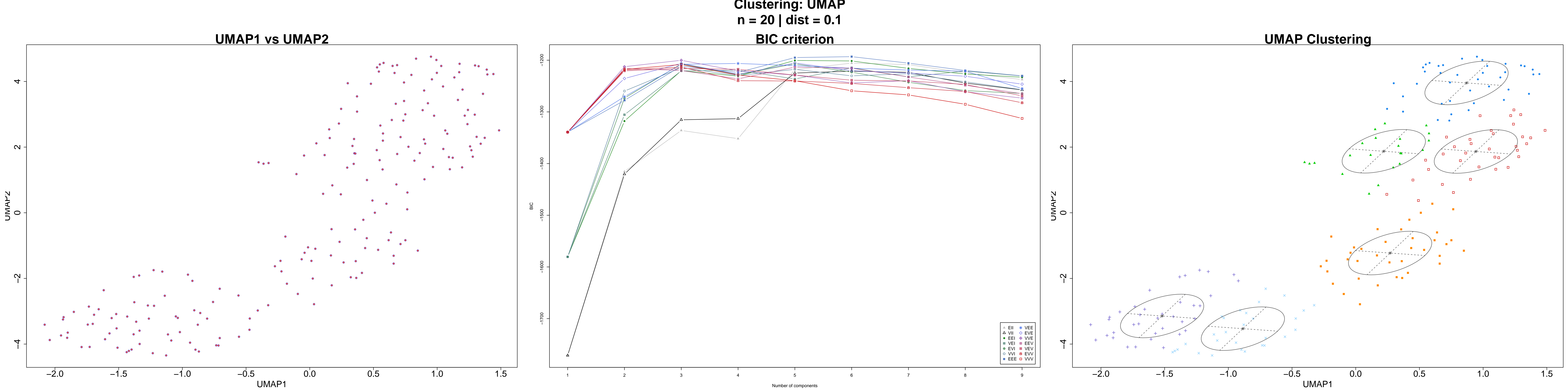
UMAP Trajectory plot



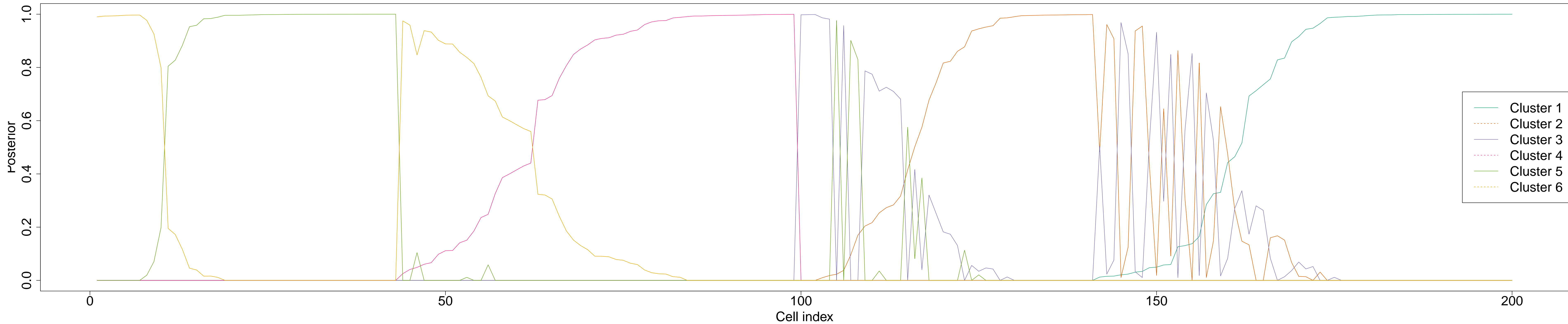


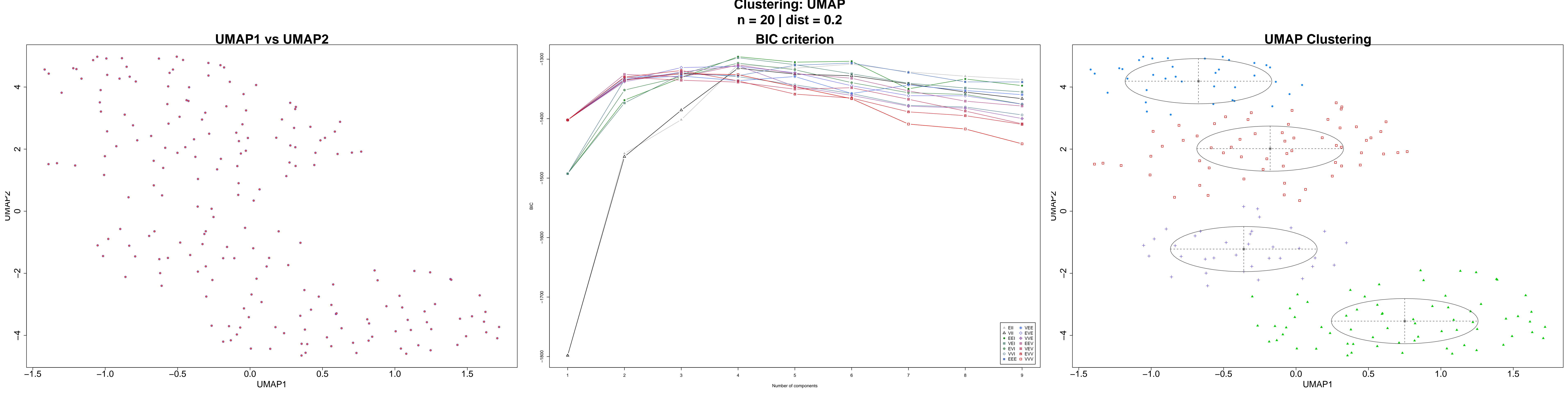
UMAP Trajectory plot



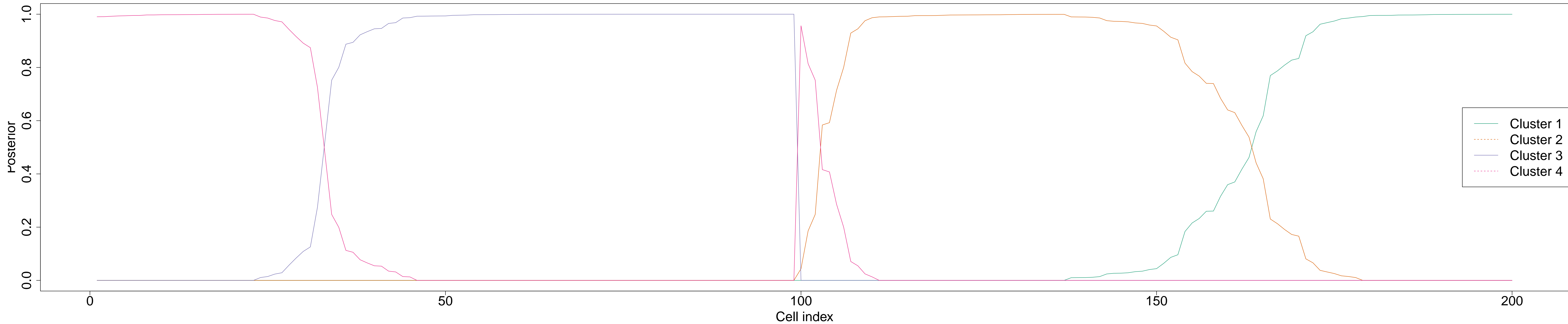


UMAP Trajectory plot



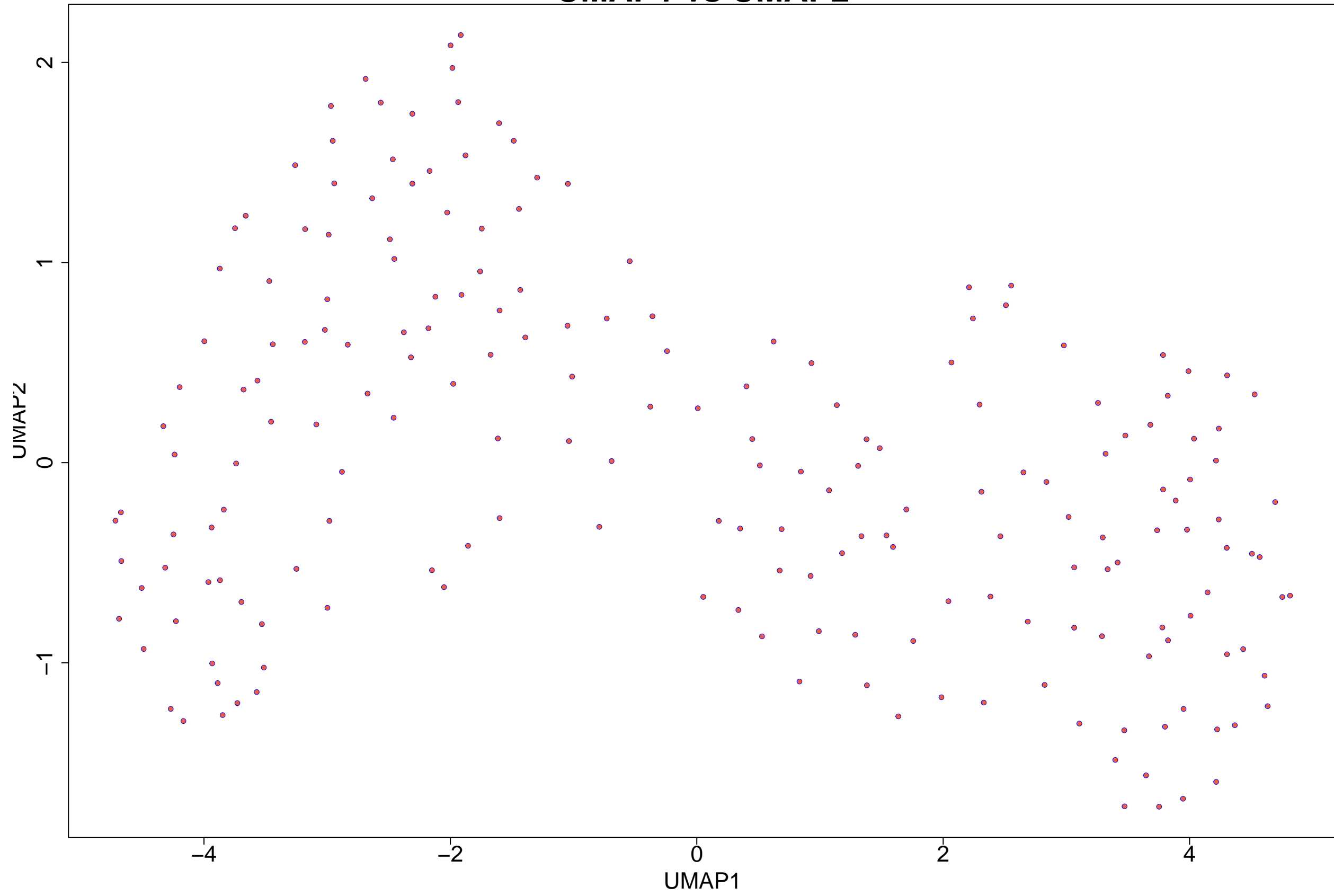


UMAP Trajectory plot

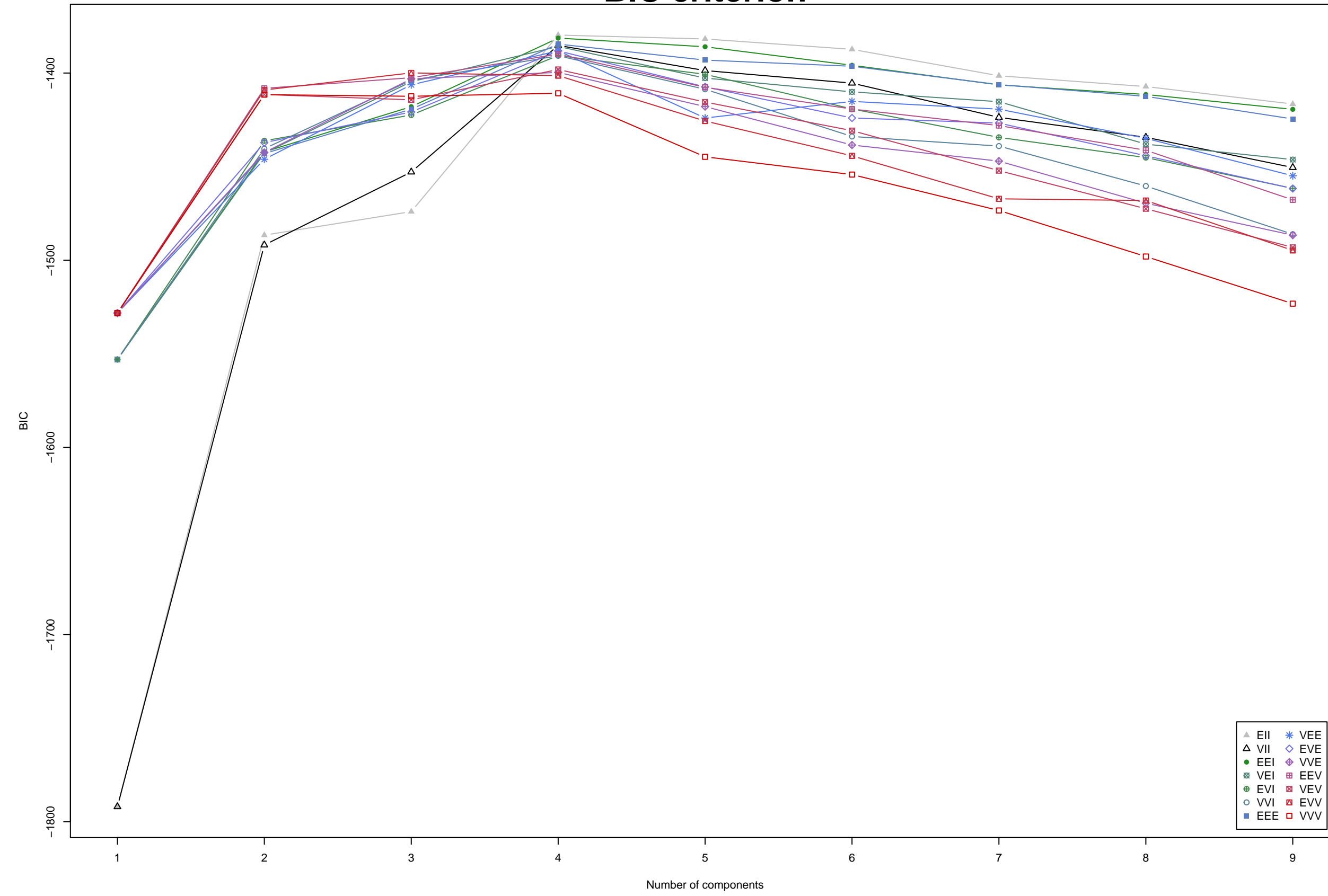


Clustering: UMAP
n = 20 | dist = 0.3

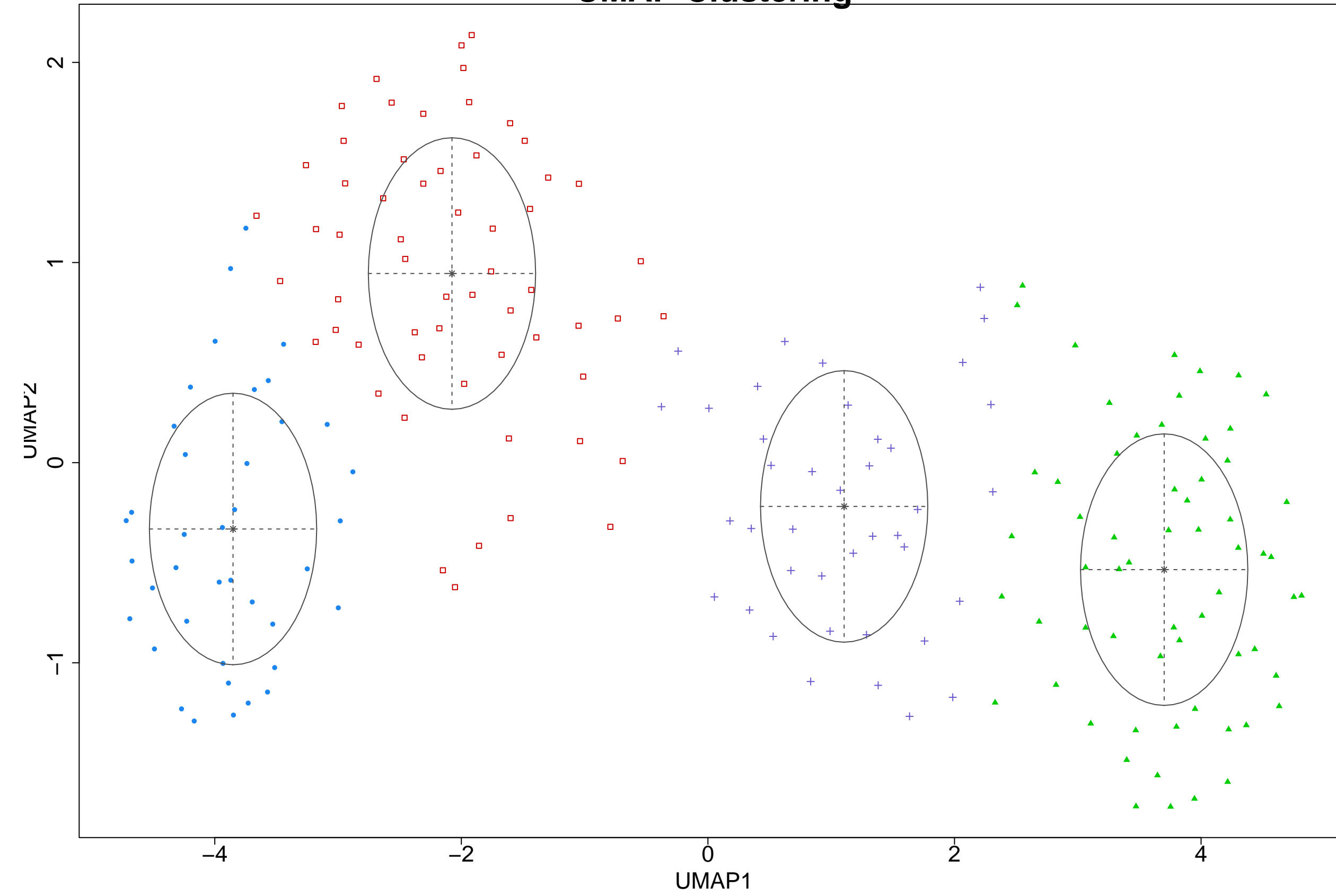
UMAP1 vs UMAP2



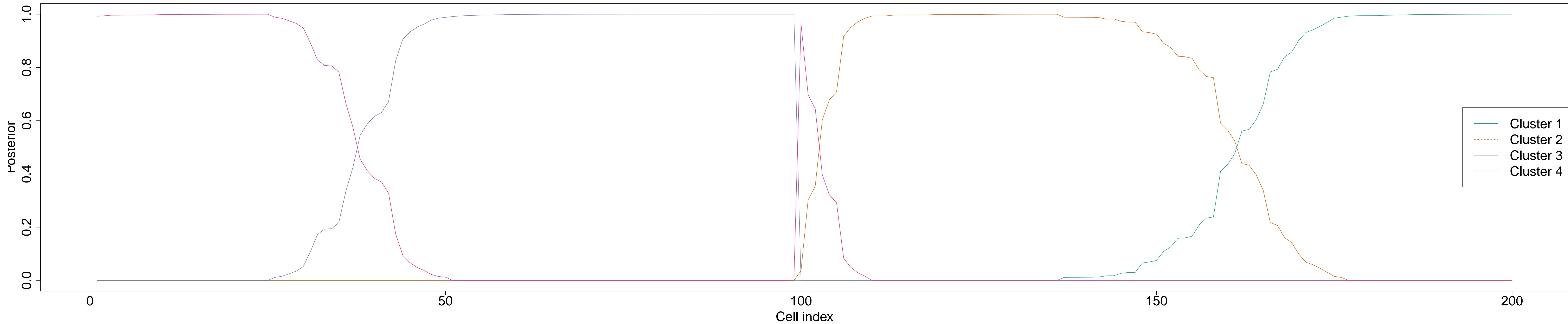
BIC criterion



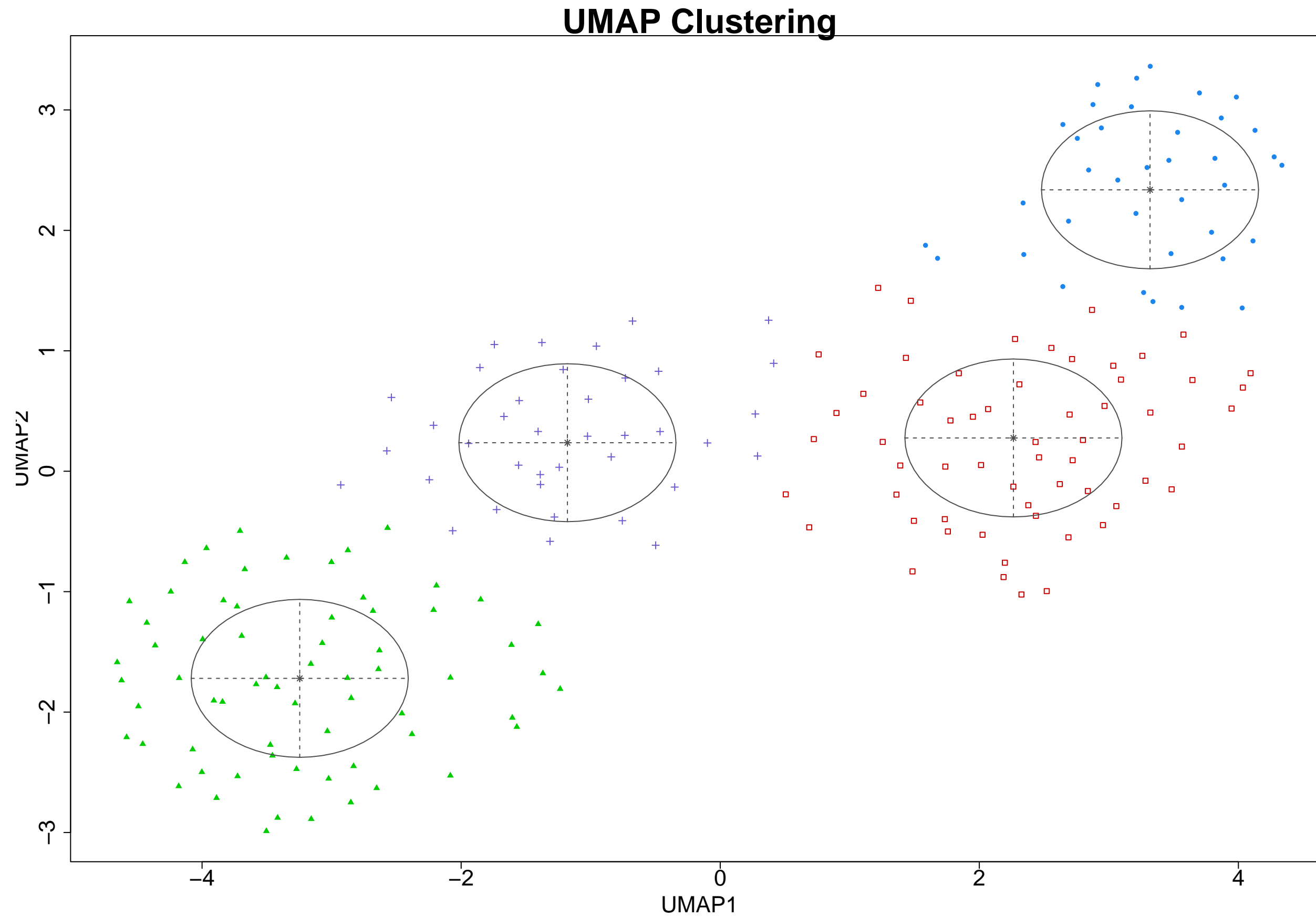
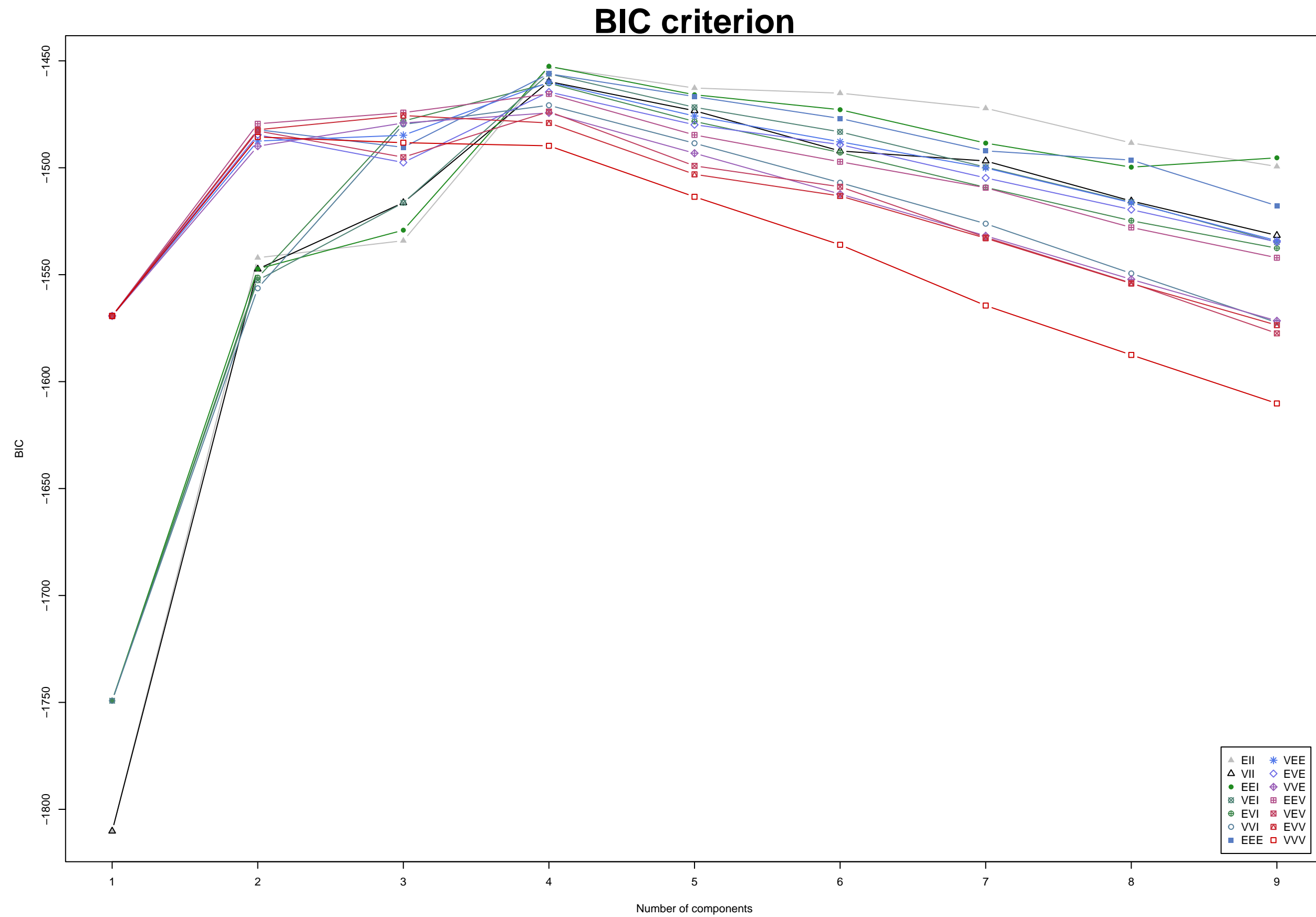
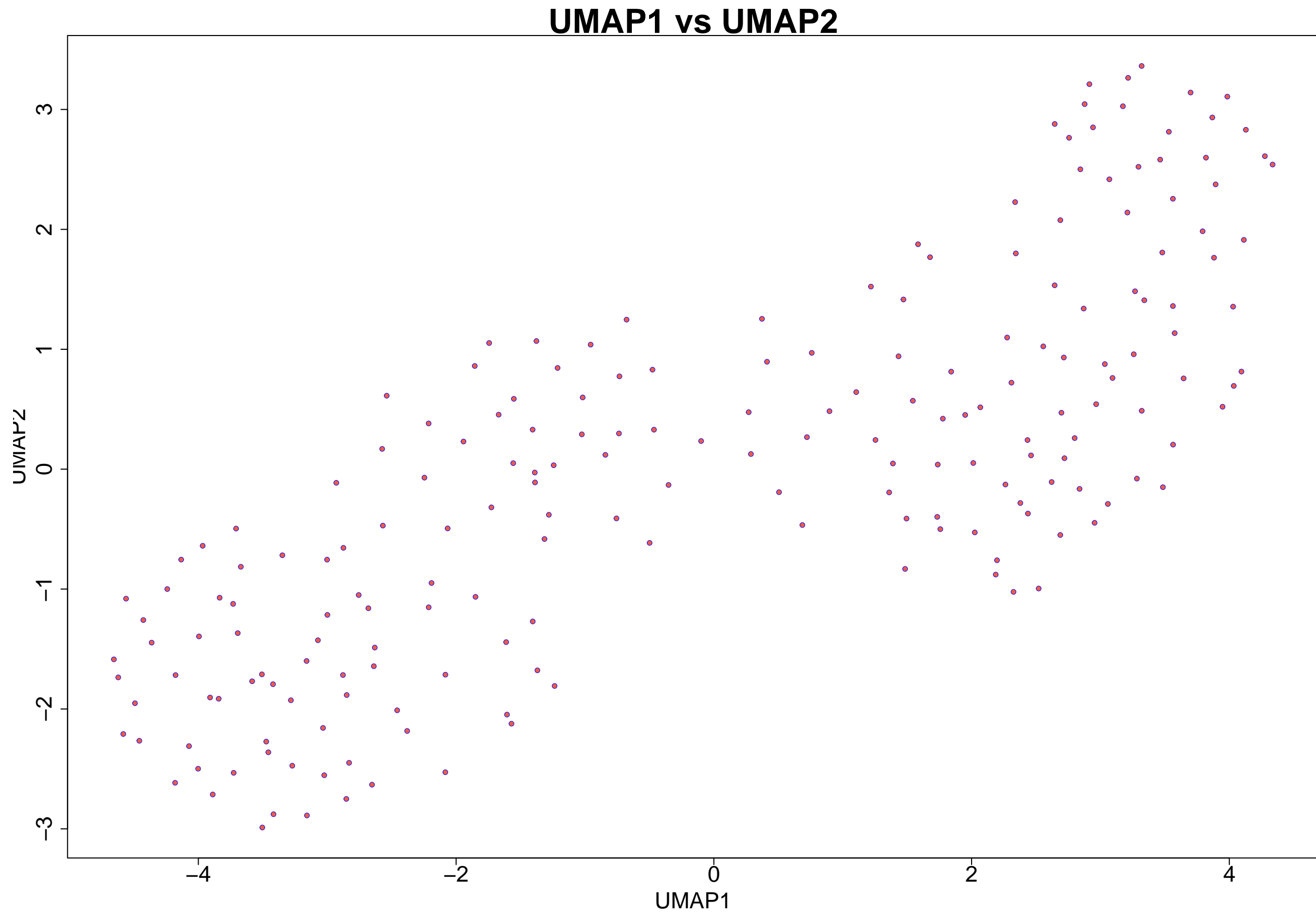
UMAP Clustering



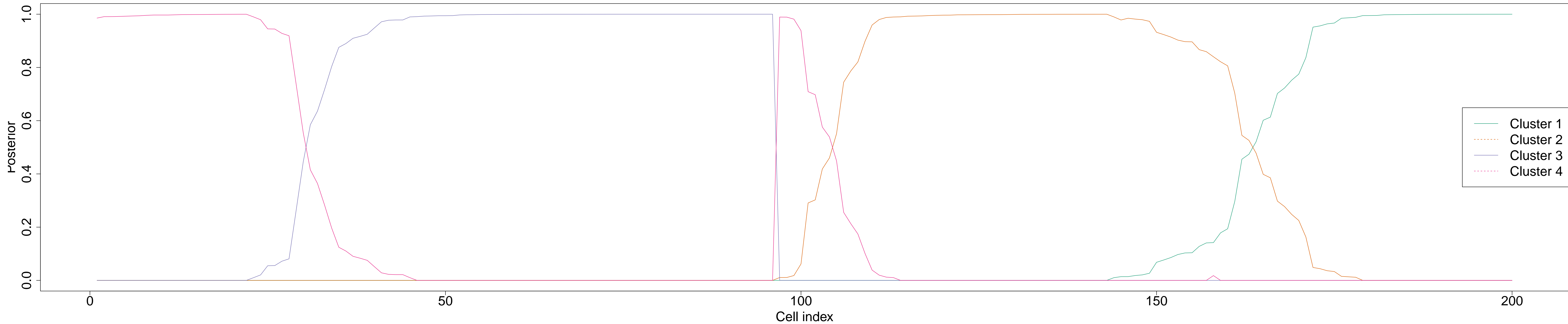
UMAP Trajectory plot

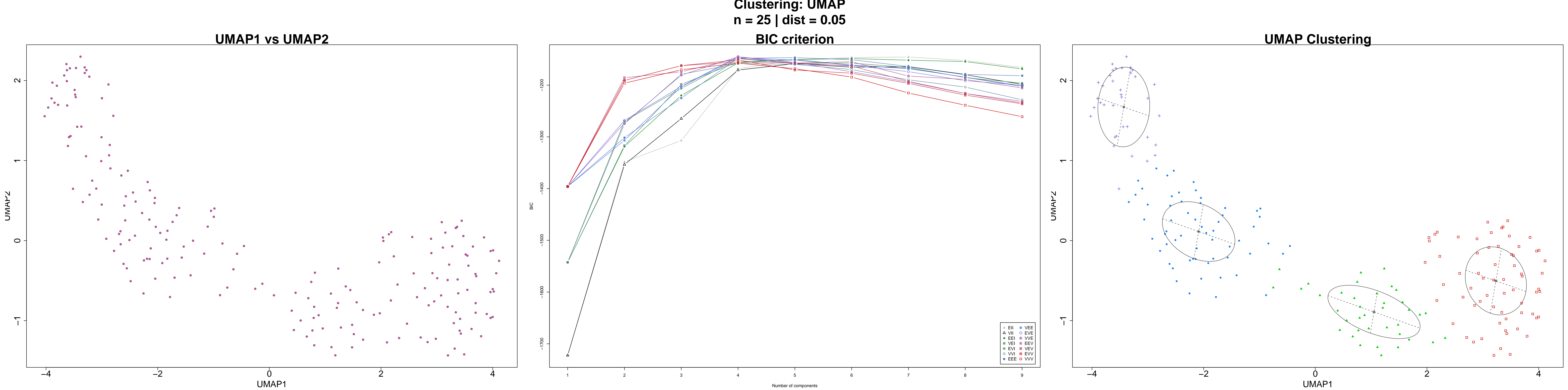


Clustering: UMAP
n = 20 | dist = 0.4

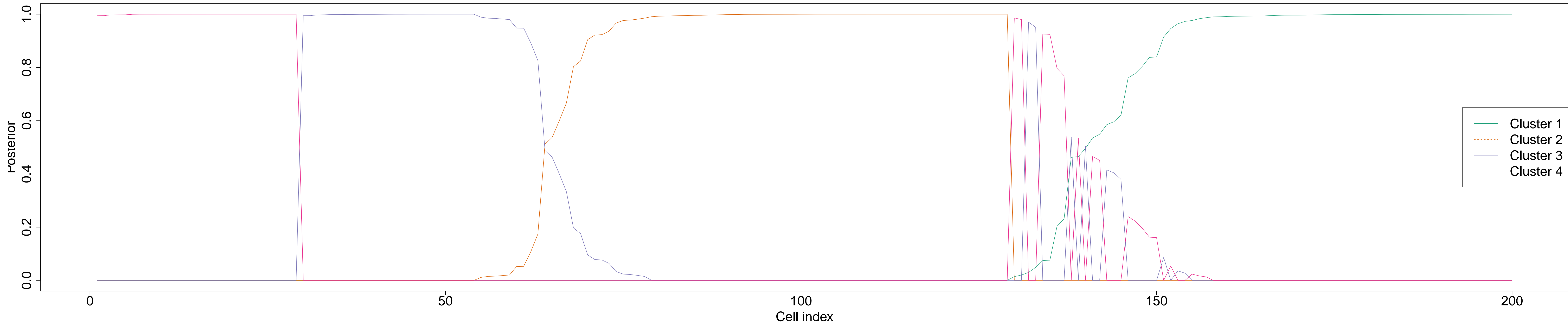


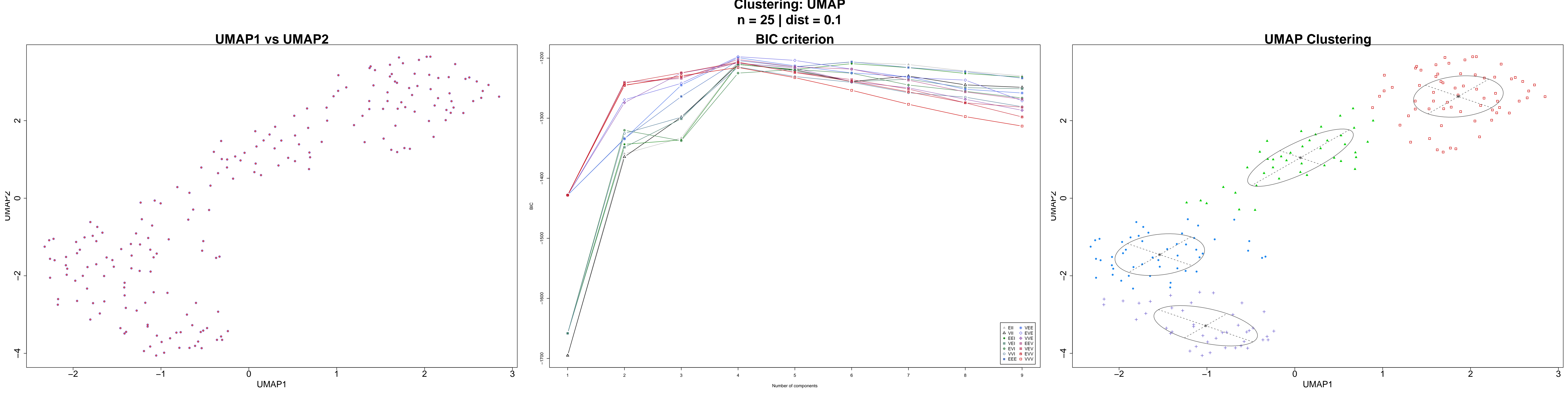
UMAP Trajectory plot



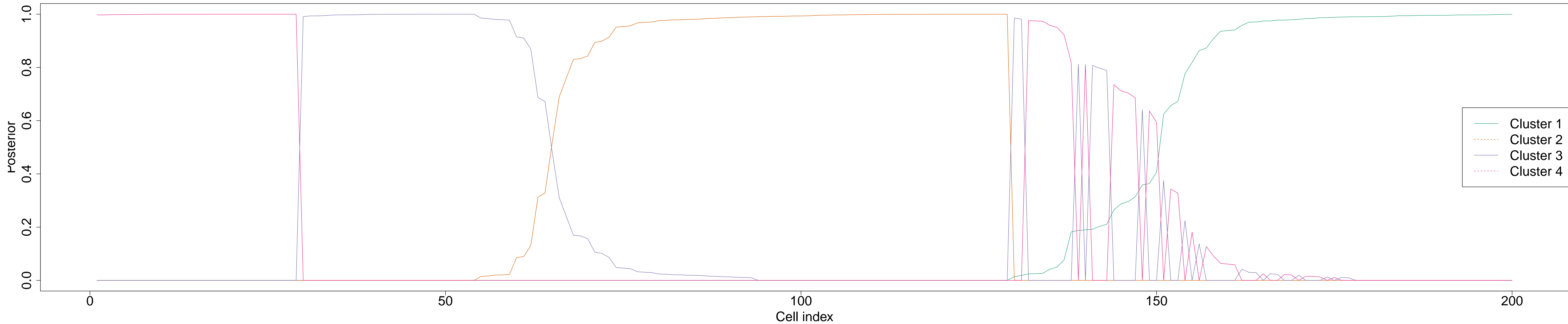


UMAP Trajectory plot

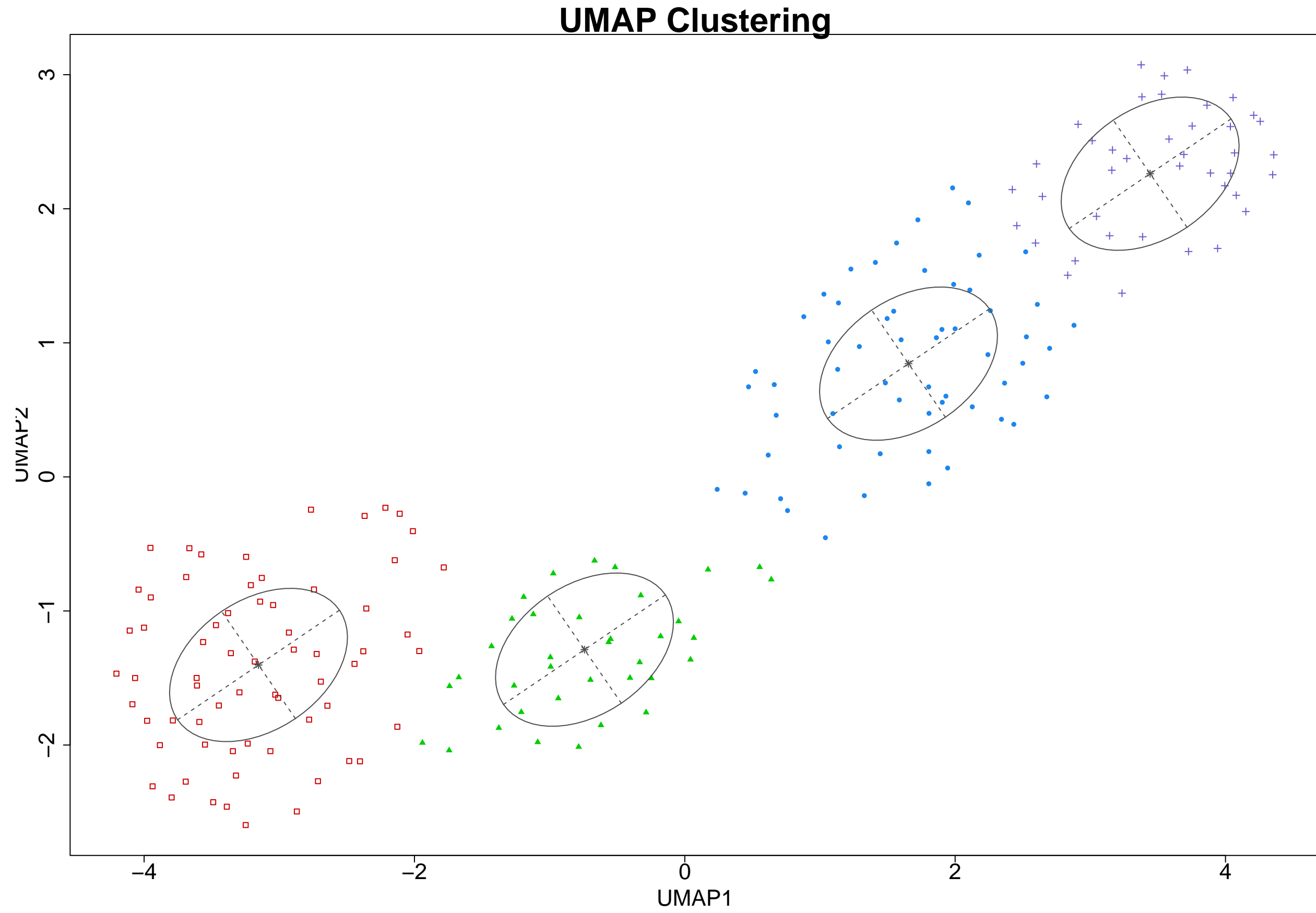
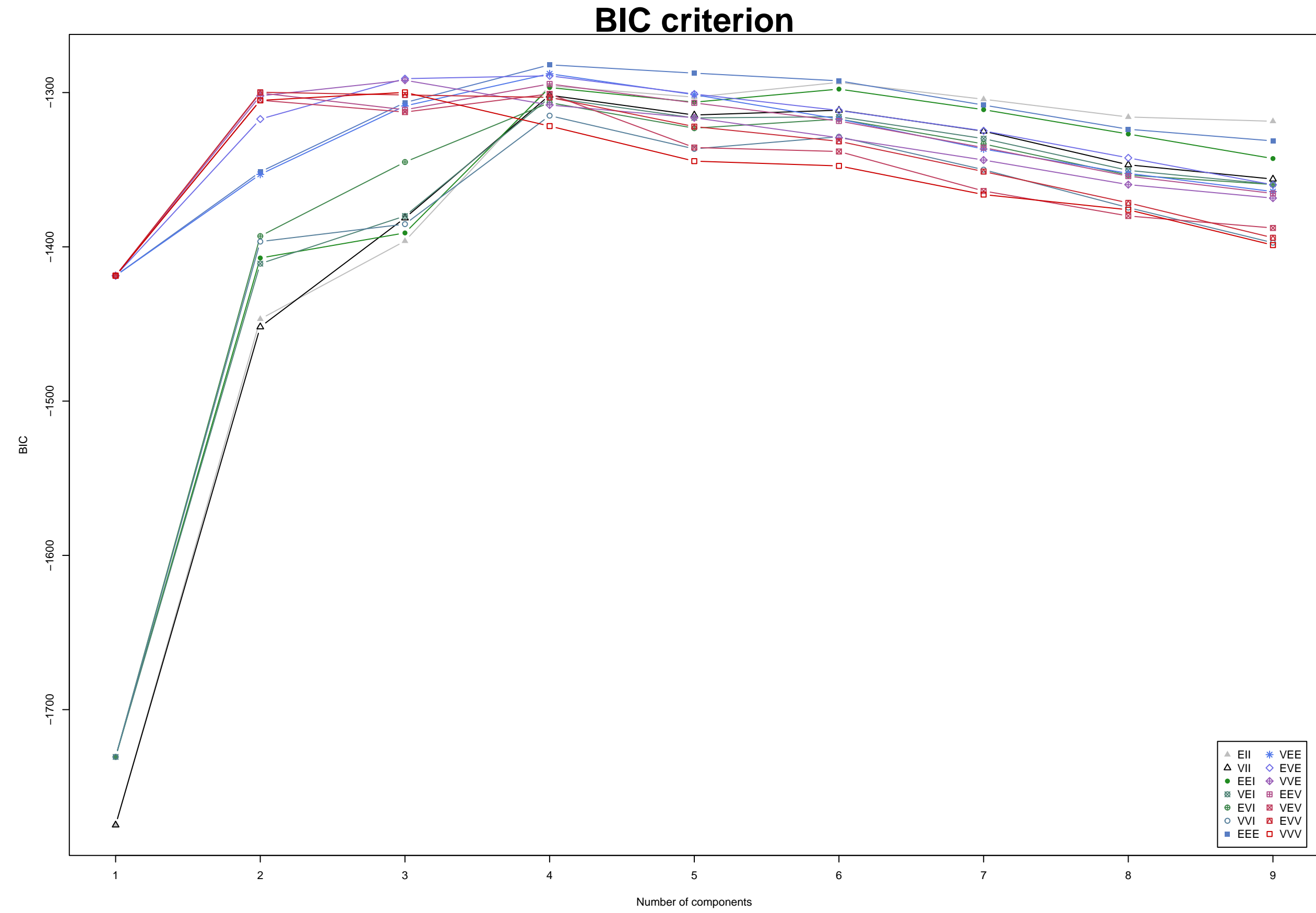
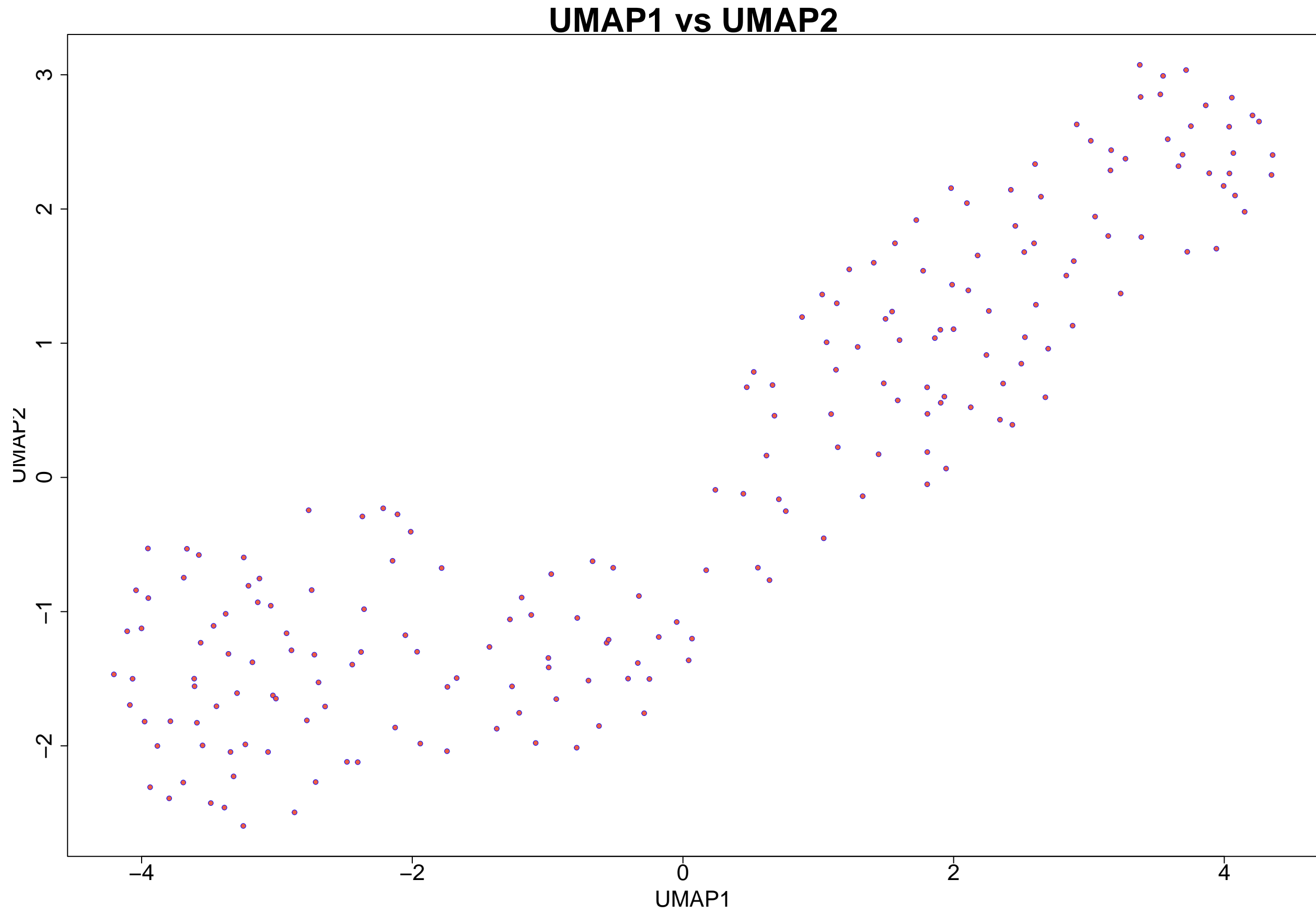




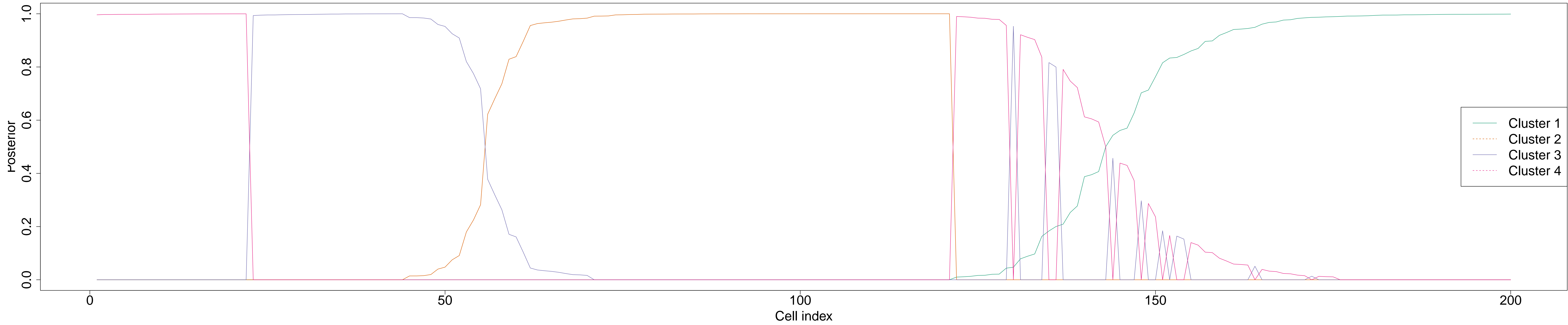
UMAP Trajectory plot

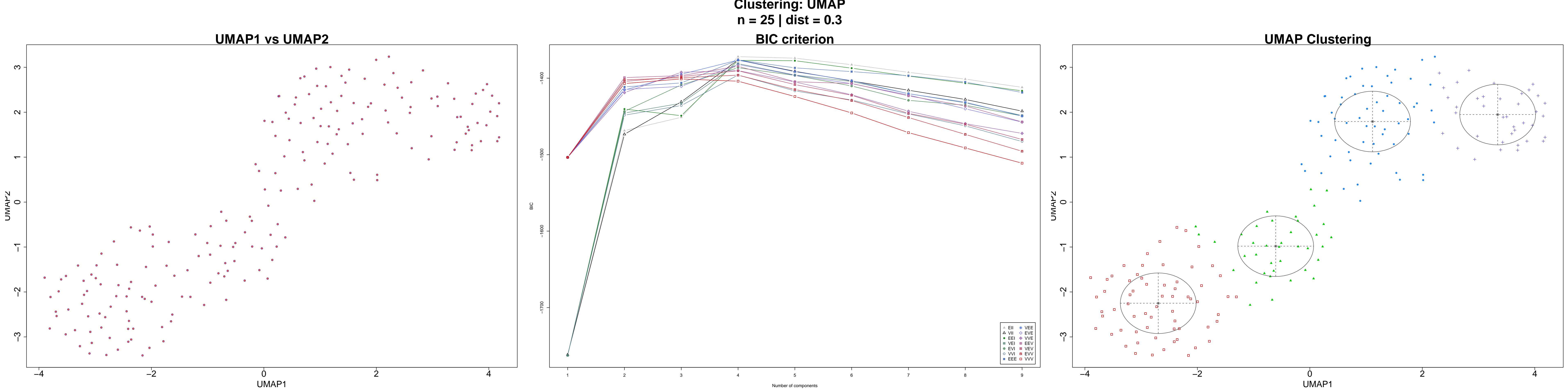


Clustering: UMAP
n = 25 | dist = 0.2

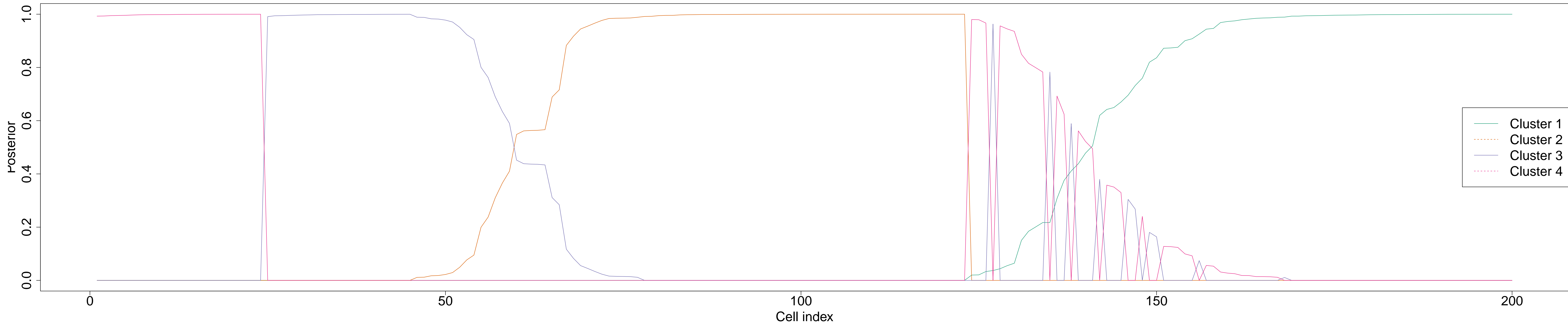


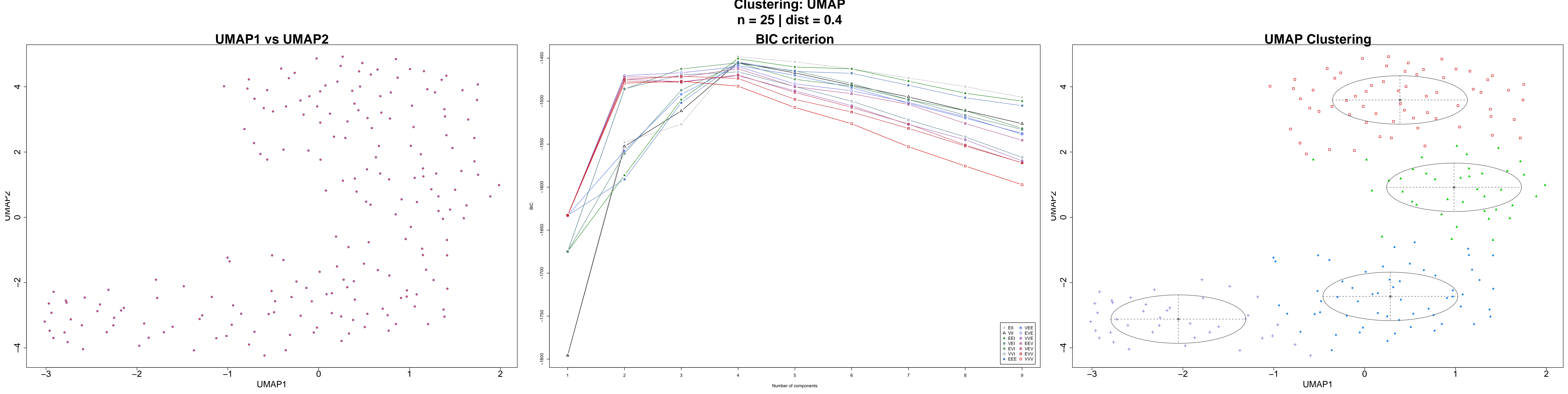
UMAP Trajectory plot



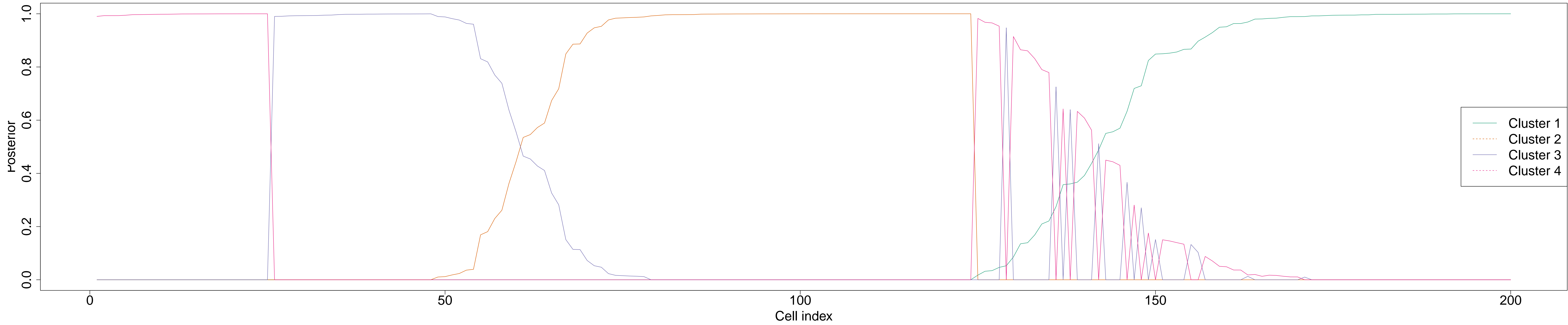


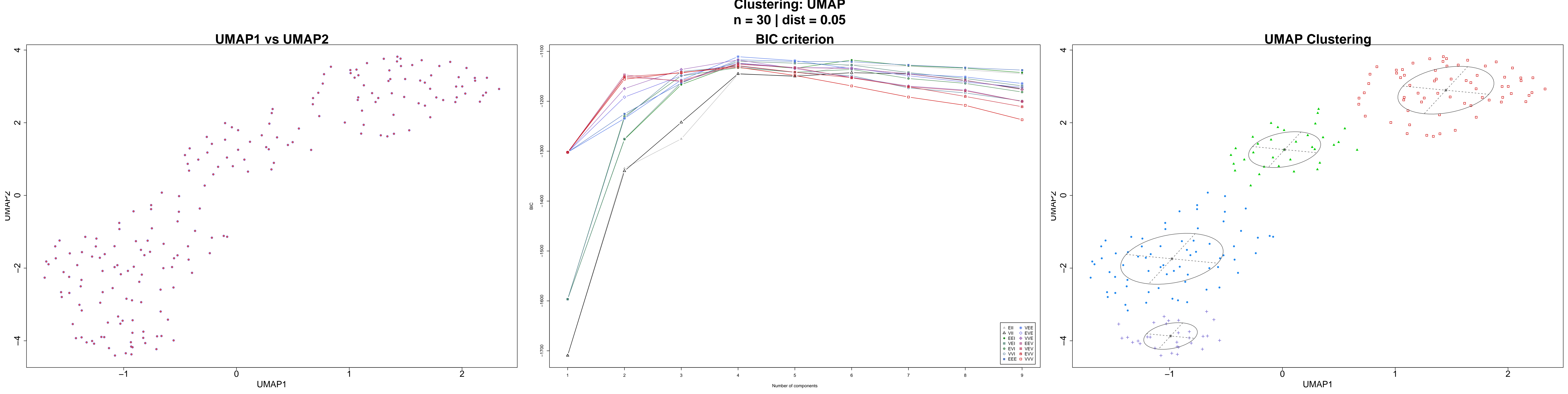
UMAP Trajectory plot



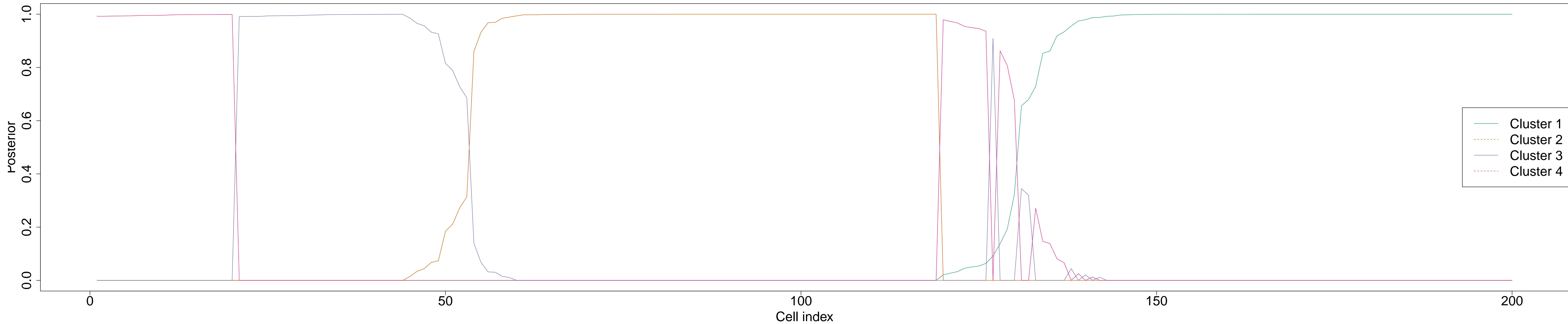


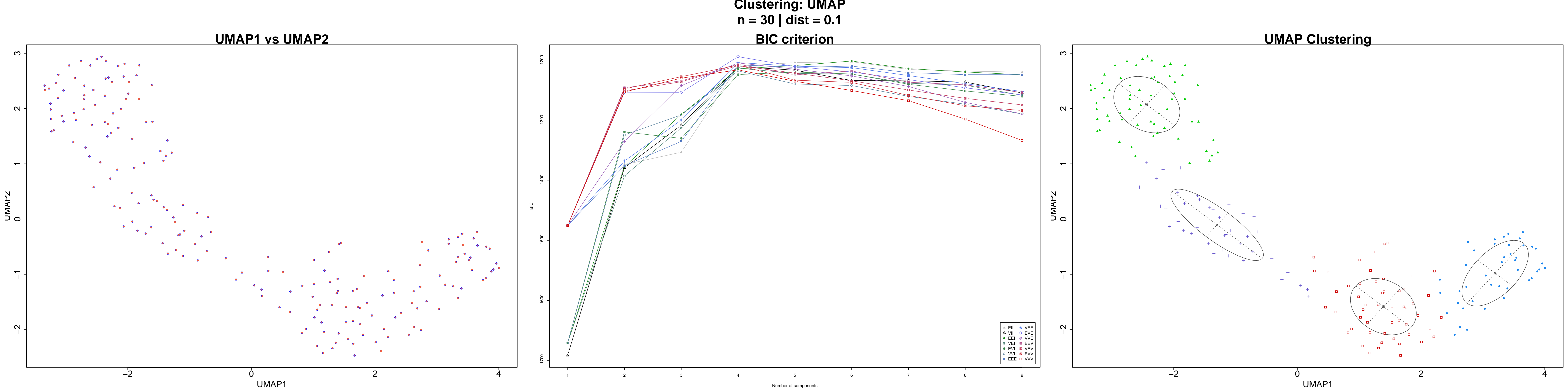
UMAP Trajectory plot



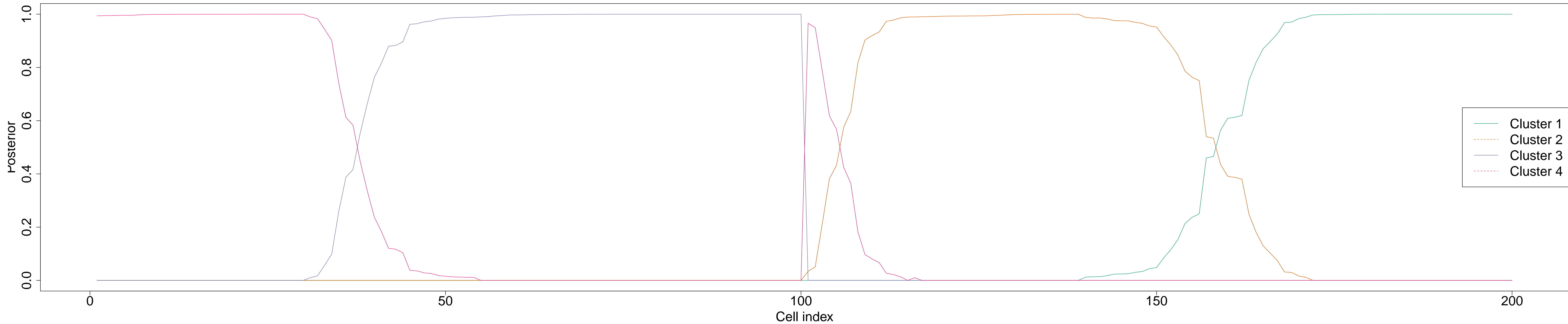


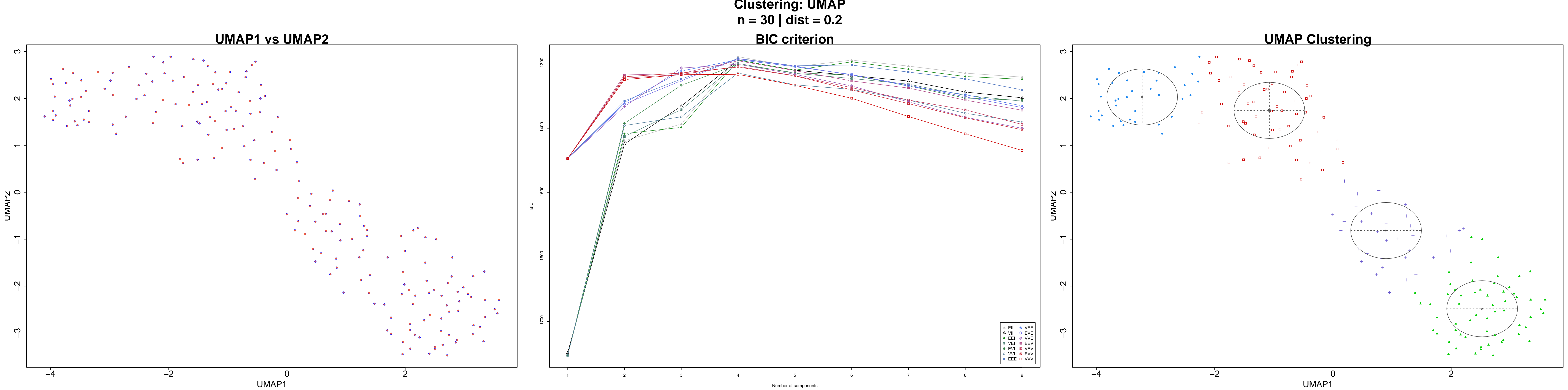
UMAP Trajectory plot



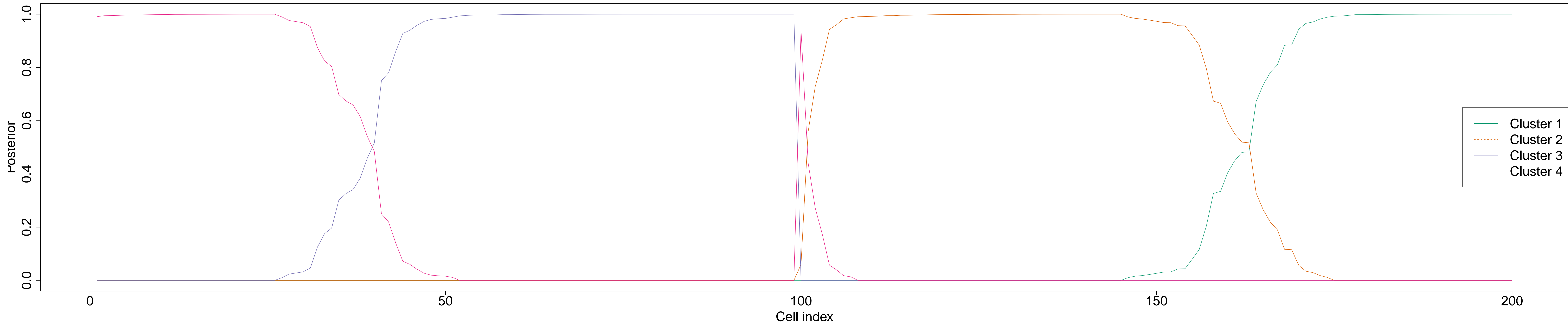


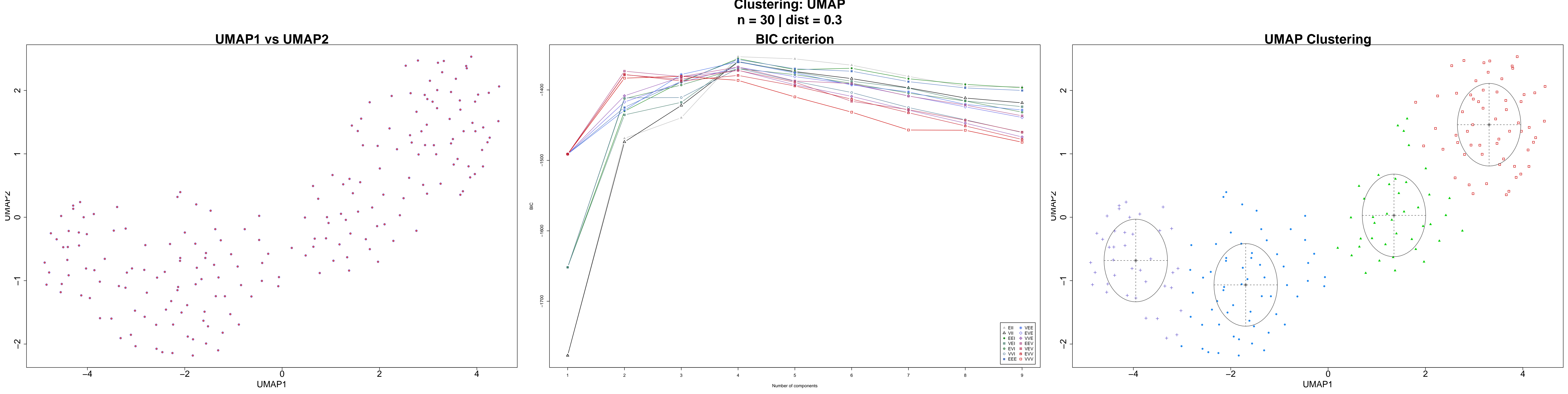
UMAP Trajectory plot



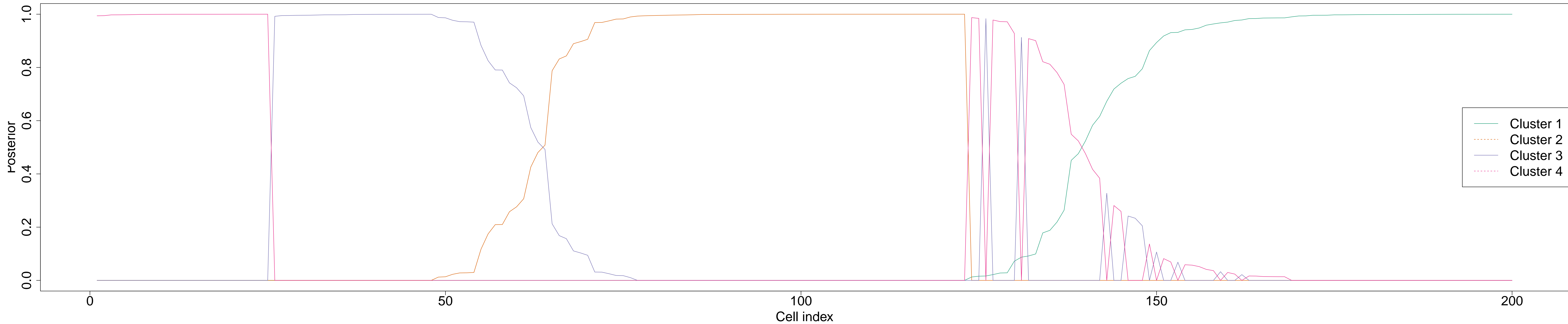


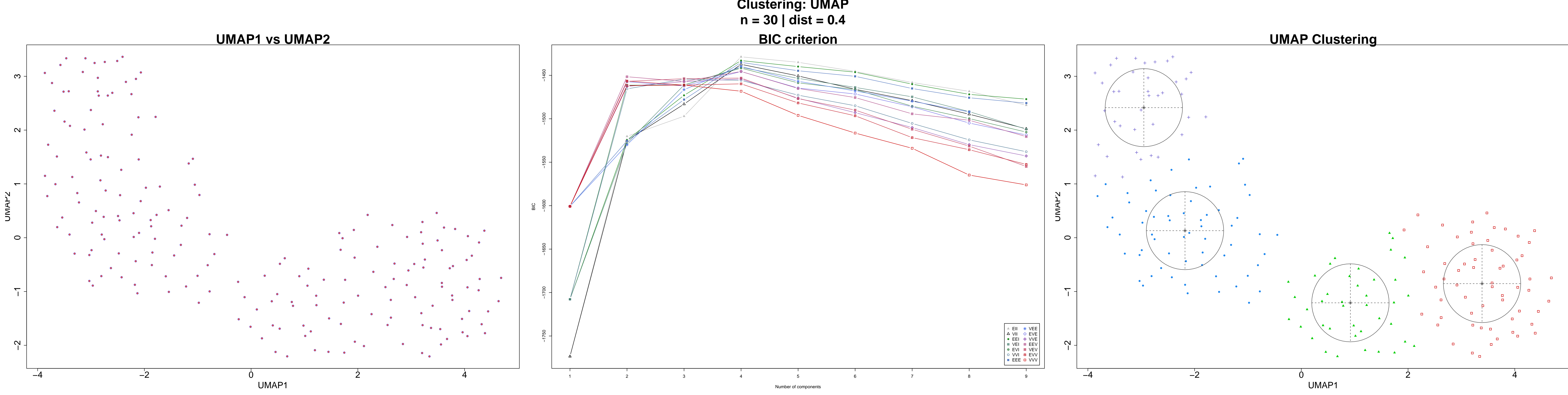
UMAP Trajectory plot



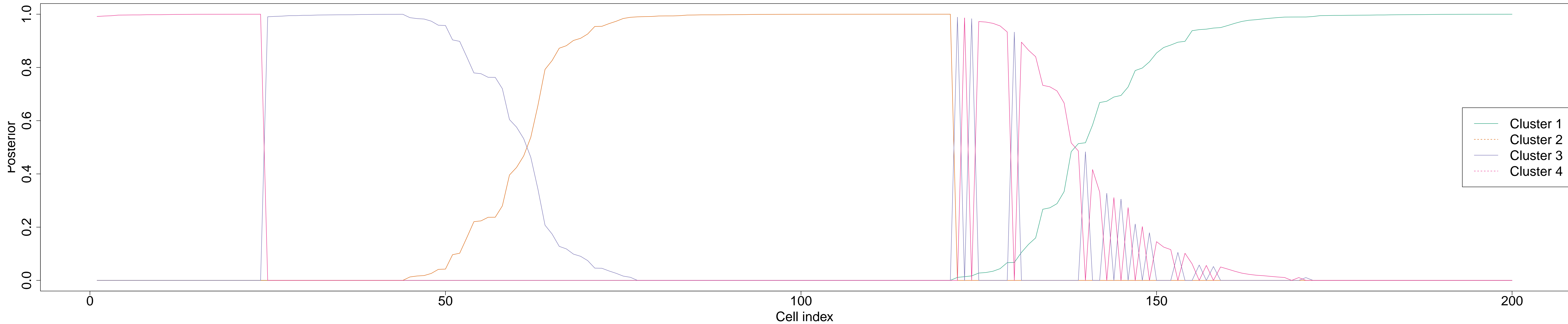


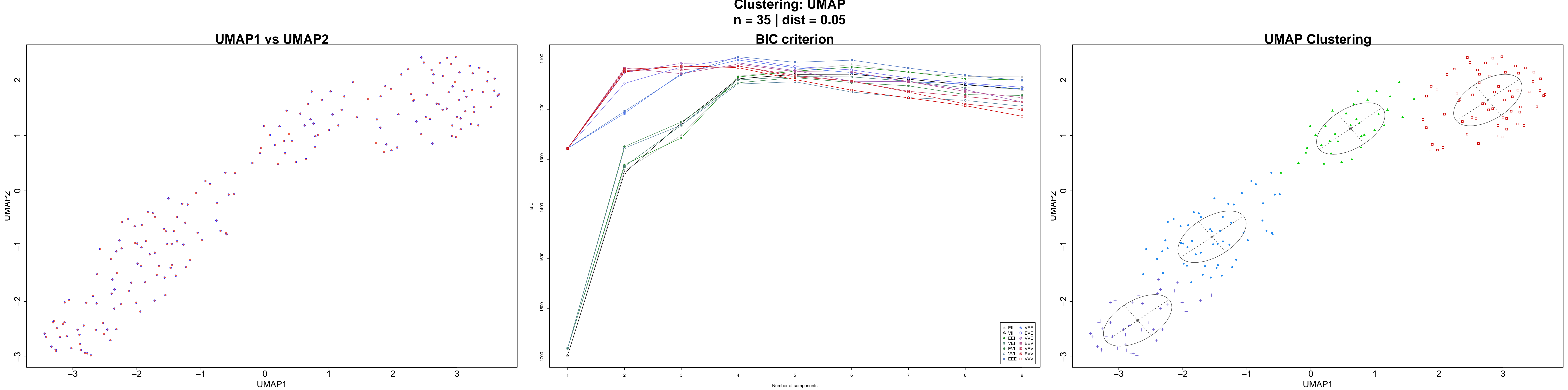
UMAP Trajectory plot



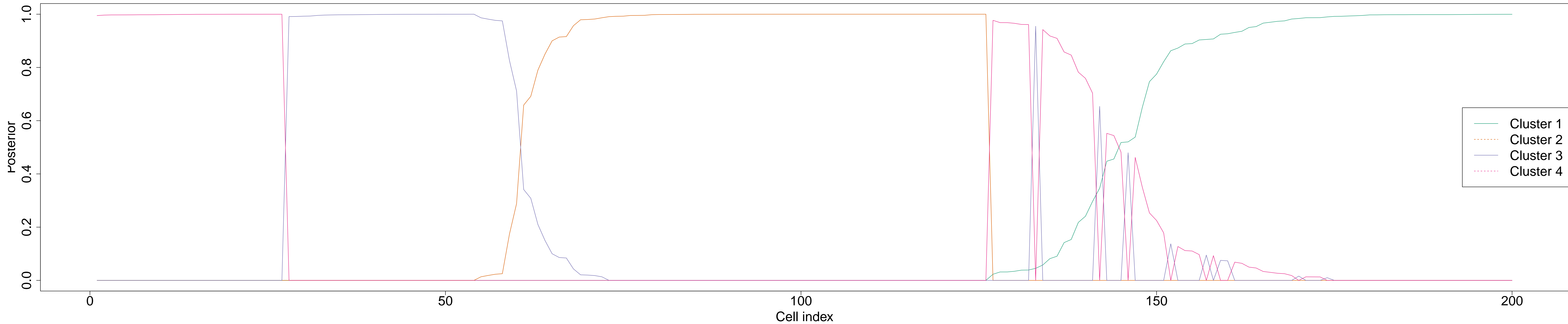


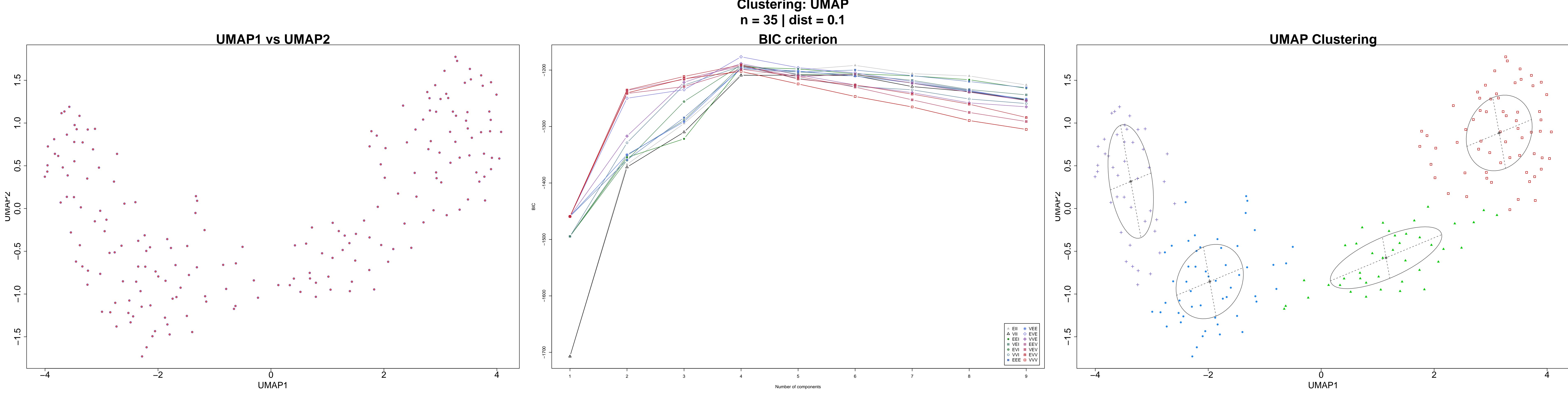
UMAP Trajectory plot



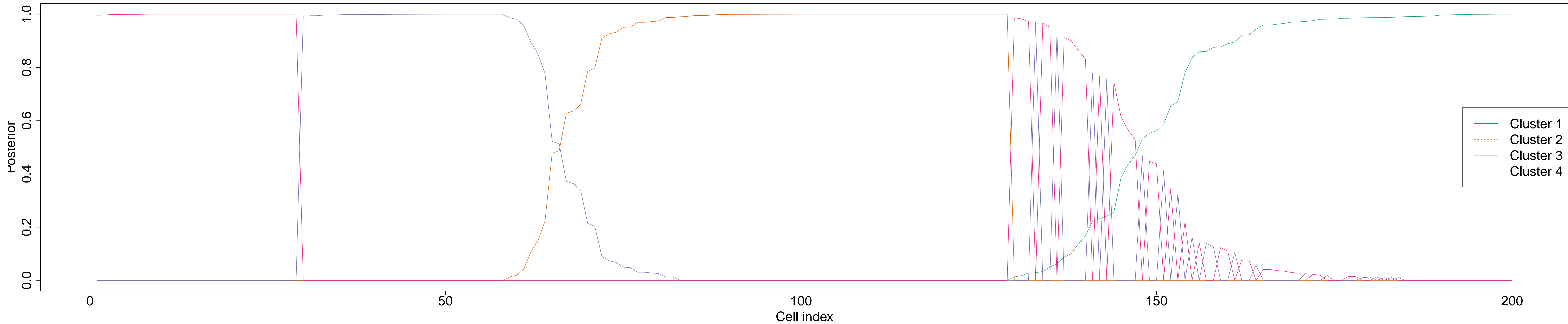


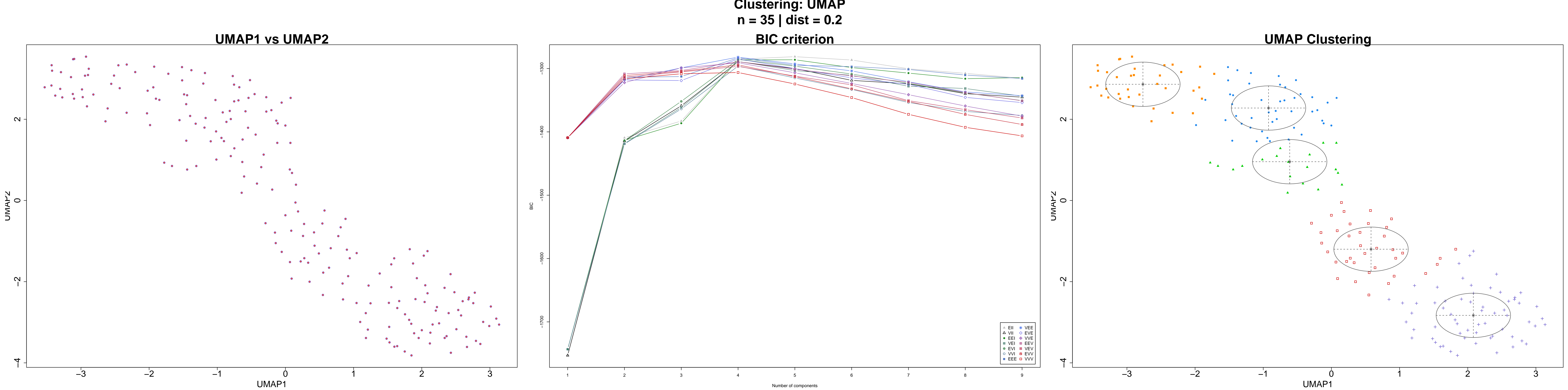
UMAP Trajectory plot



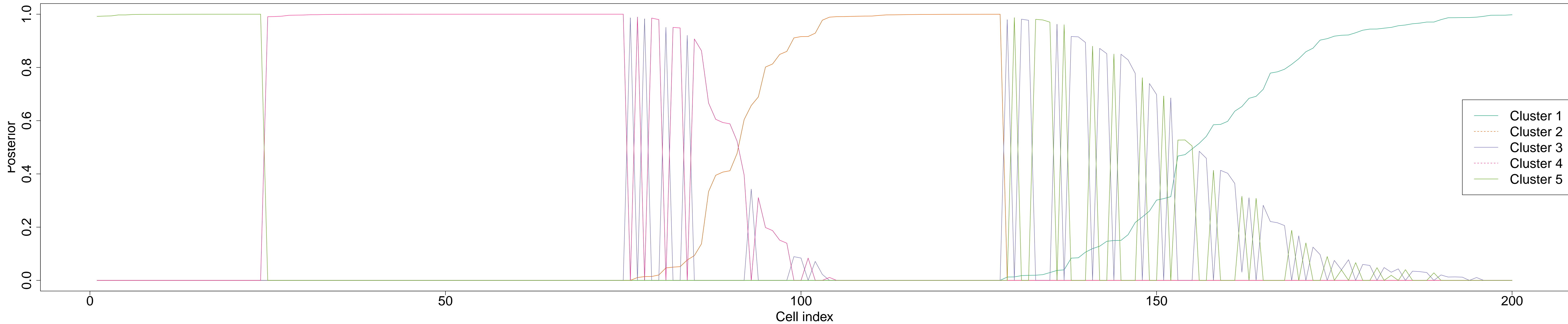


UMAP Trajectory plot

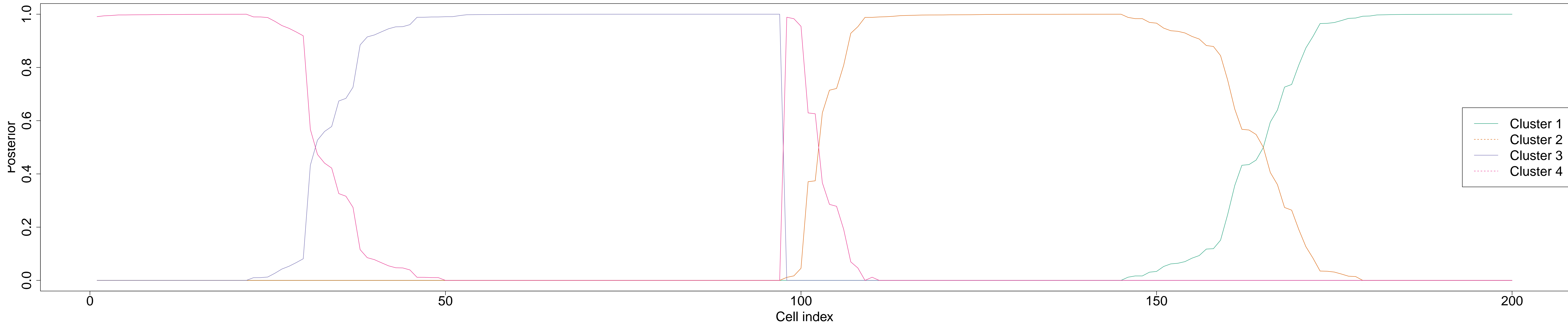


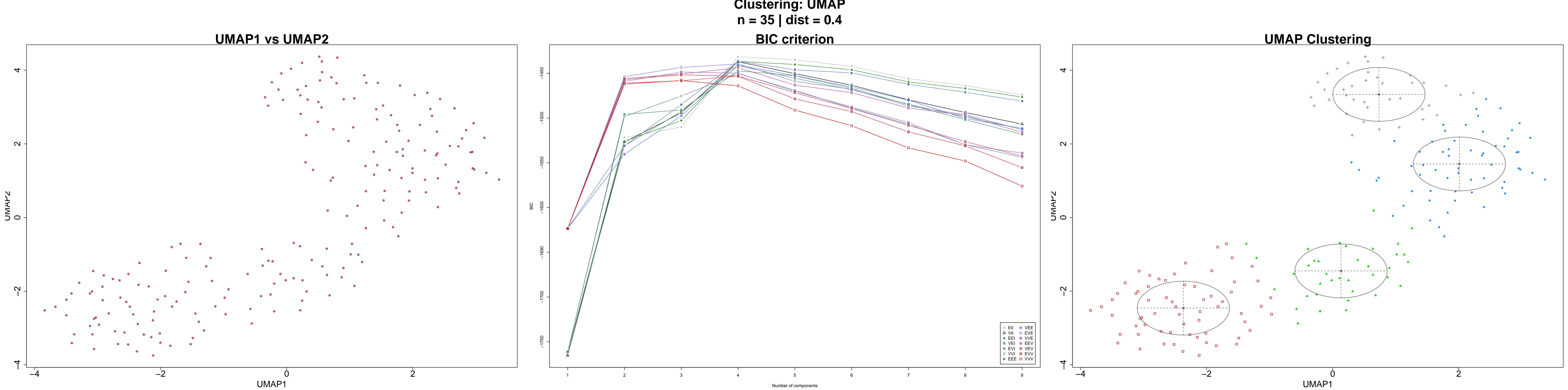


UMAP Trajectory plot

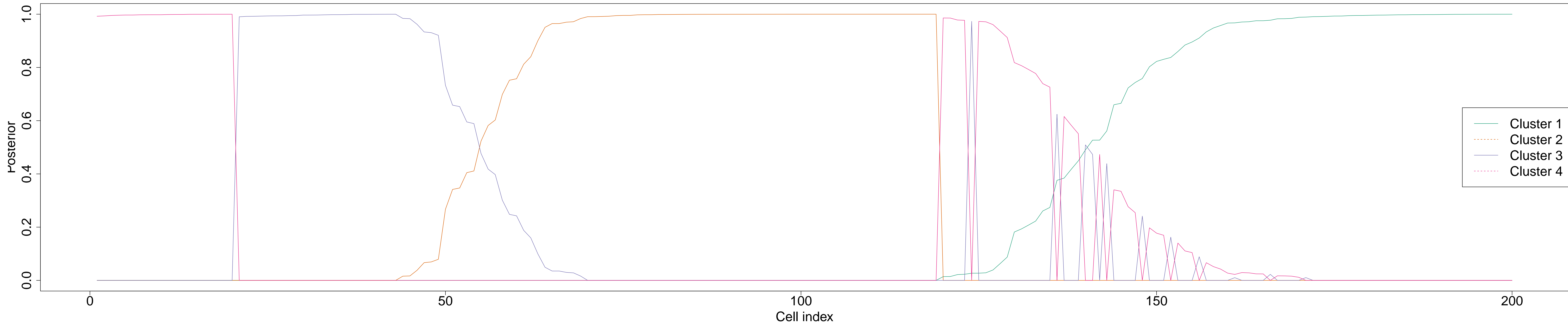


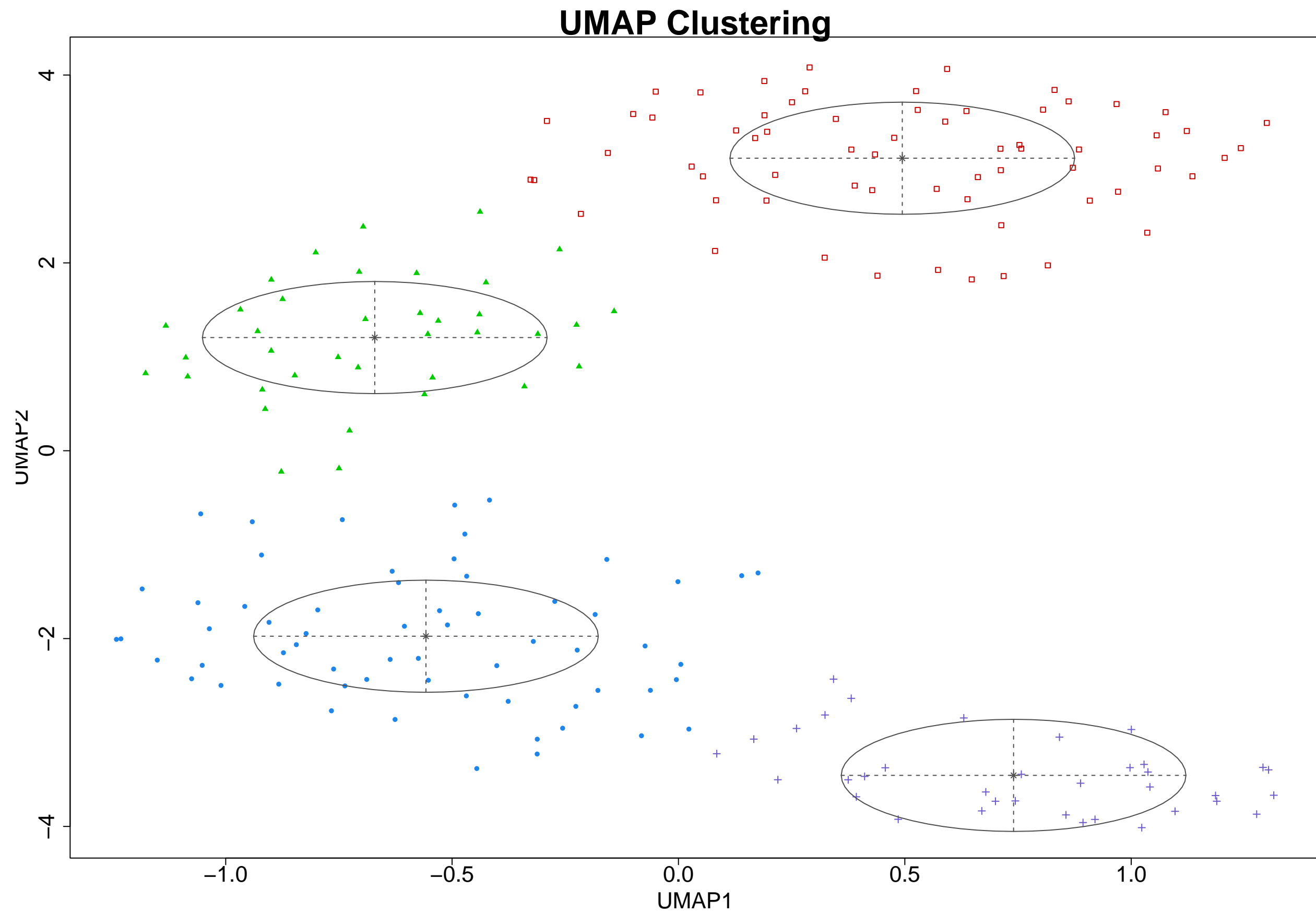
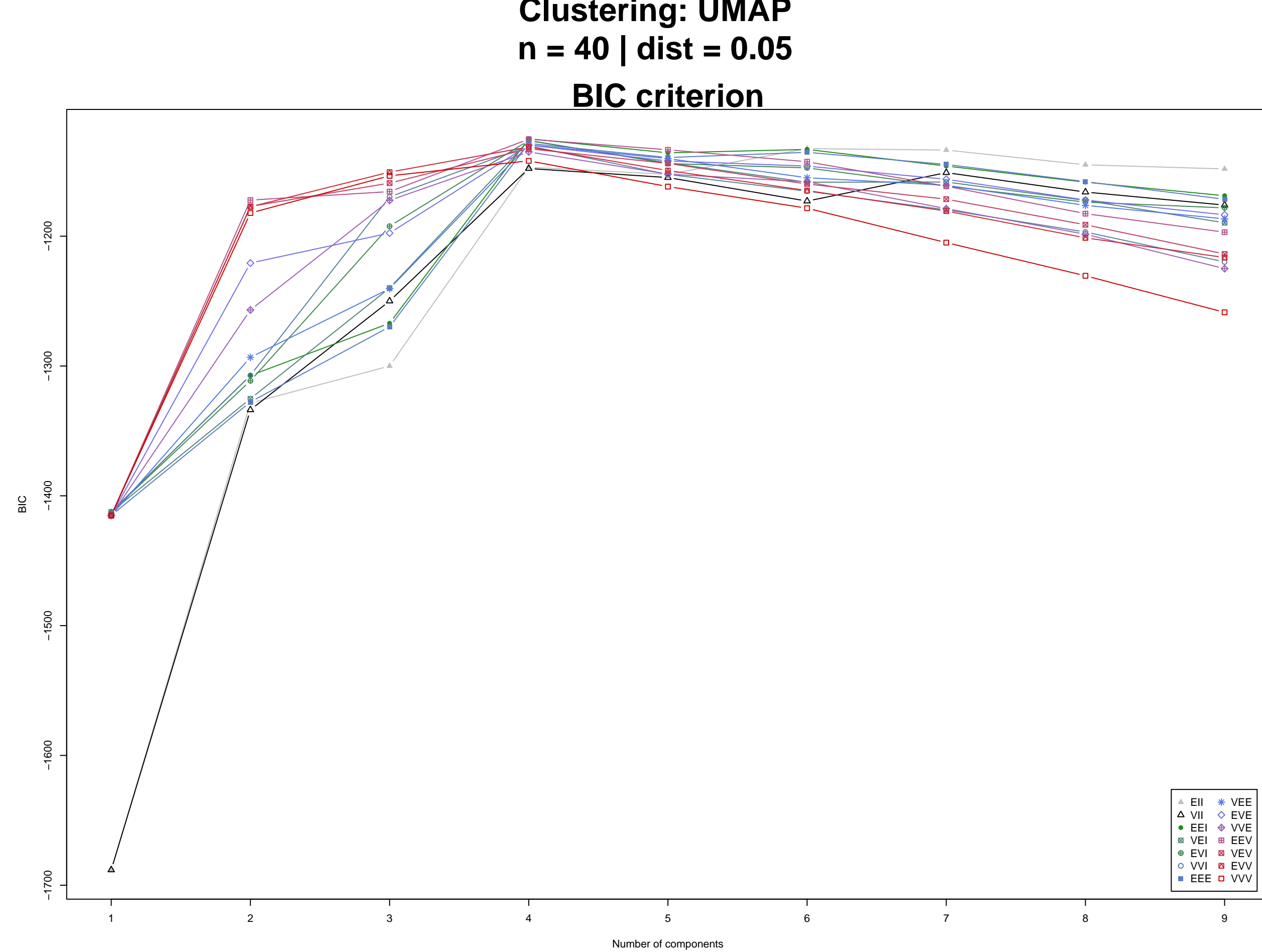
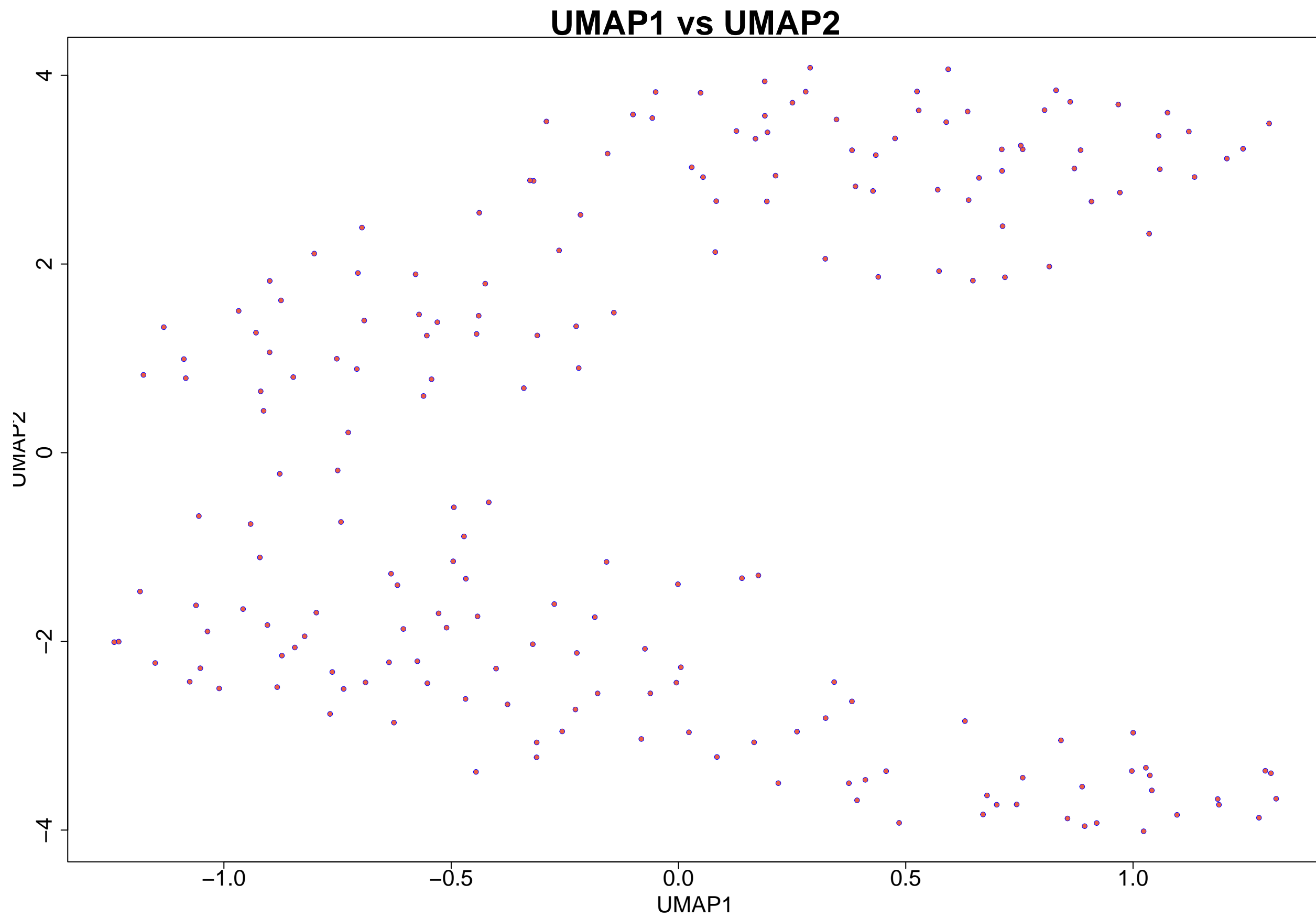
UMAP Trajectory plot



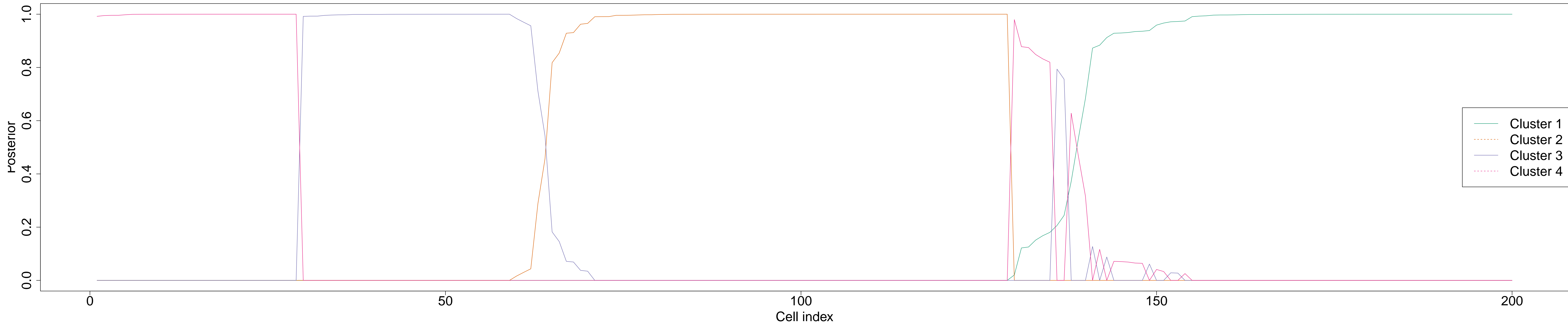


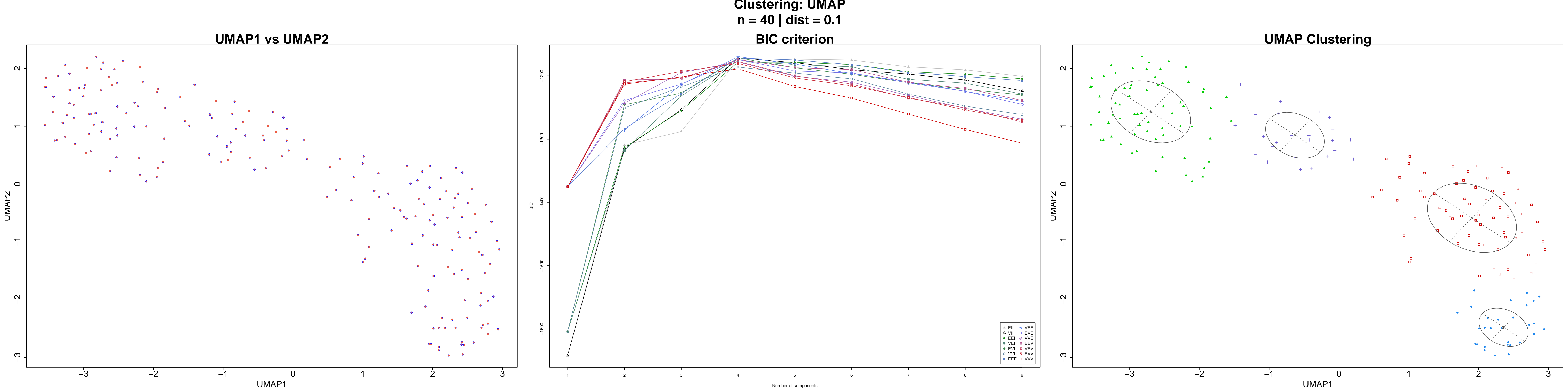
UMAP Trajectory plot



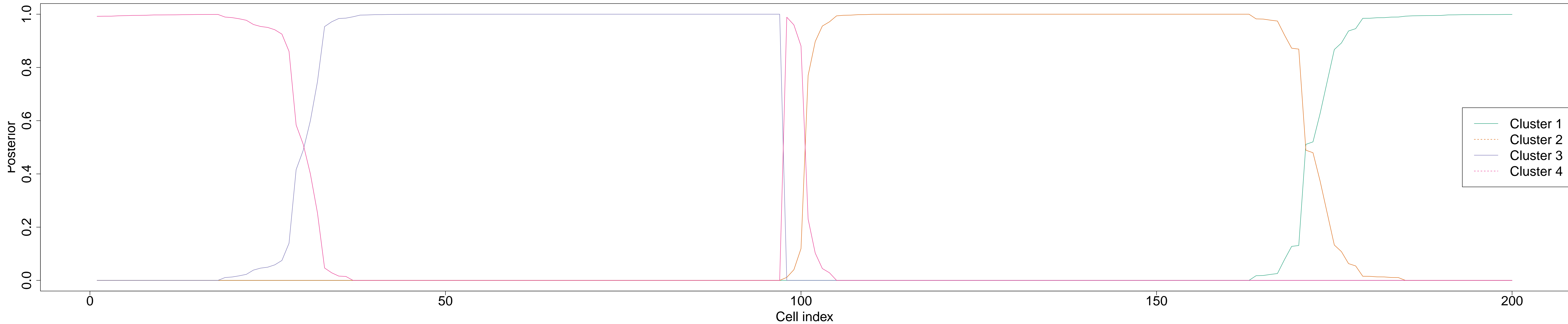


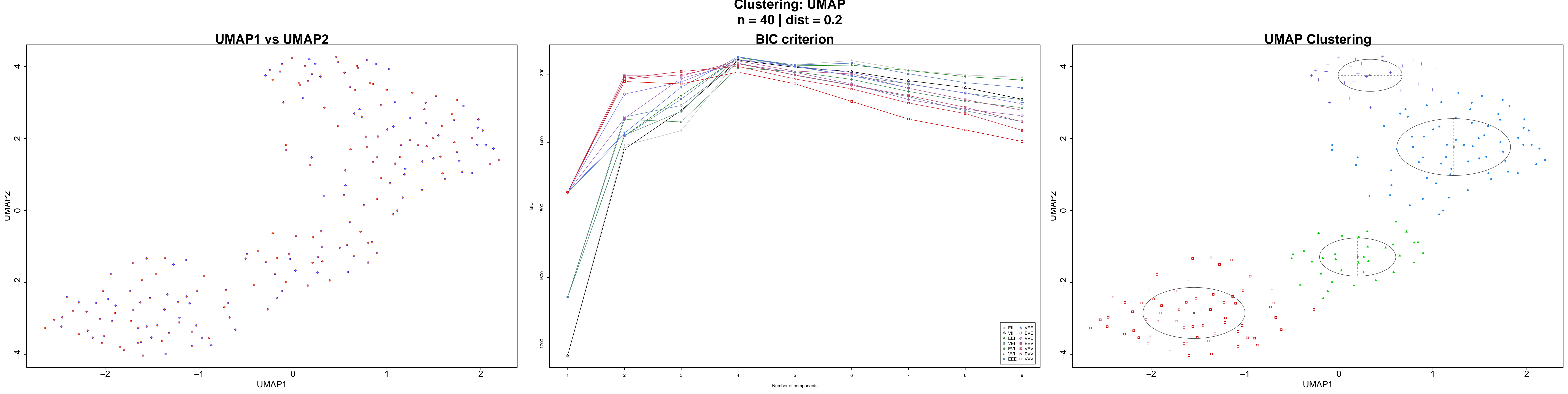
UMAP Trajectory plot



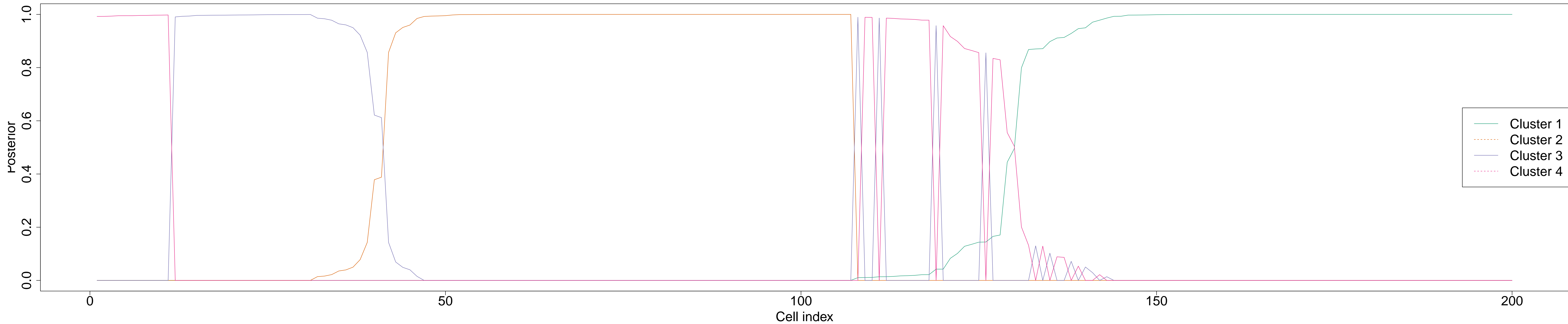


UMAP Trajectory plot



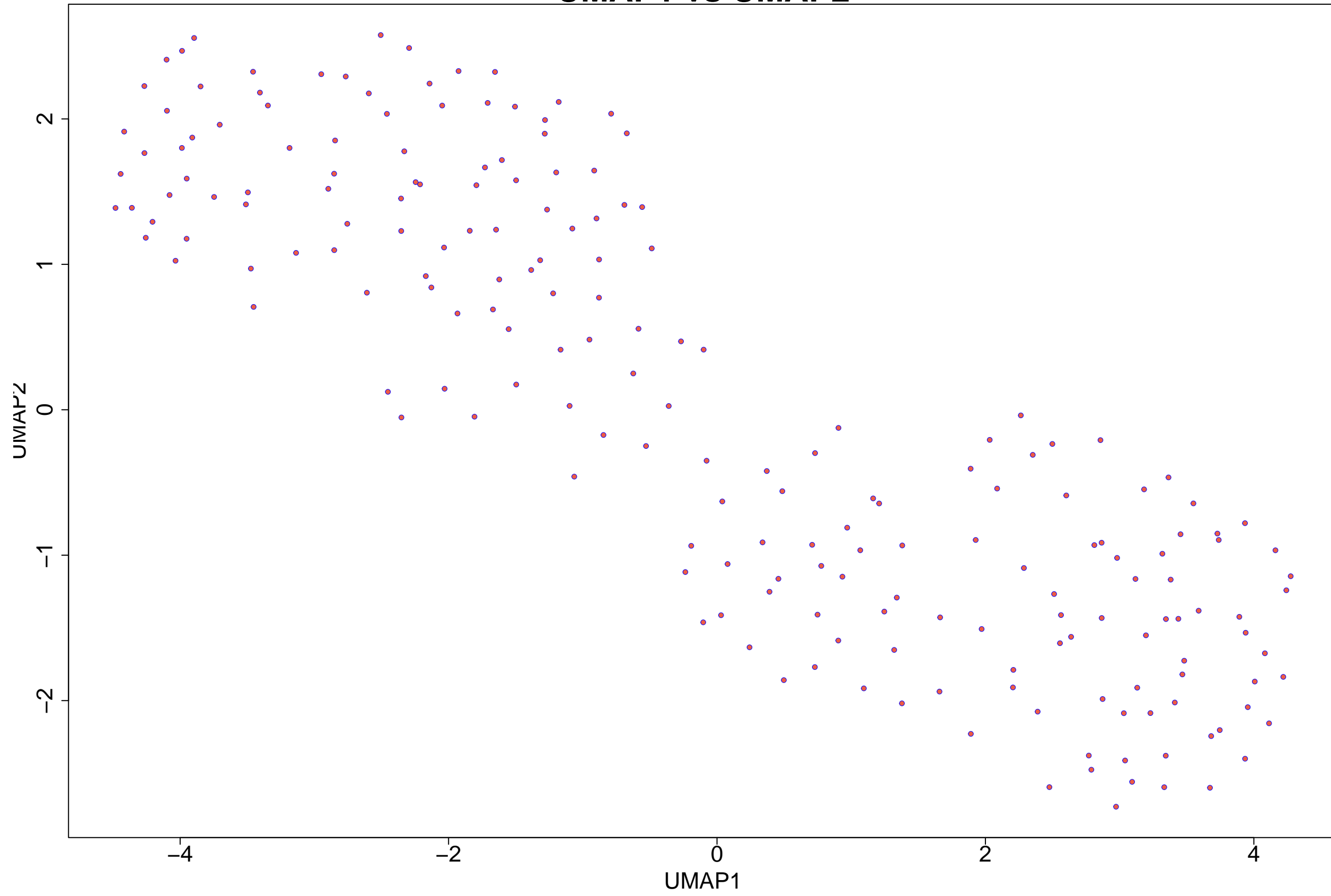


UMAP Trajectory plot

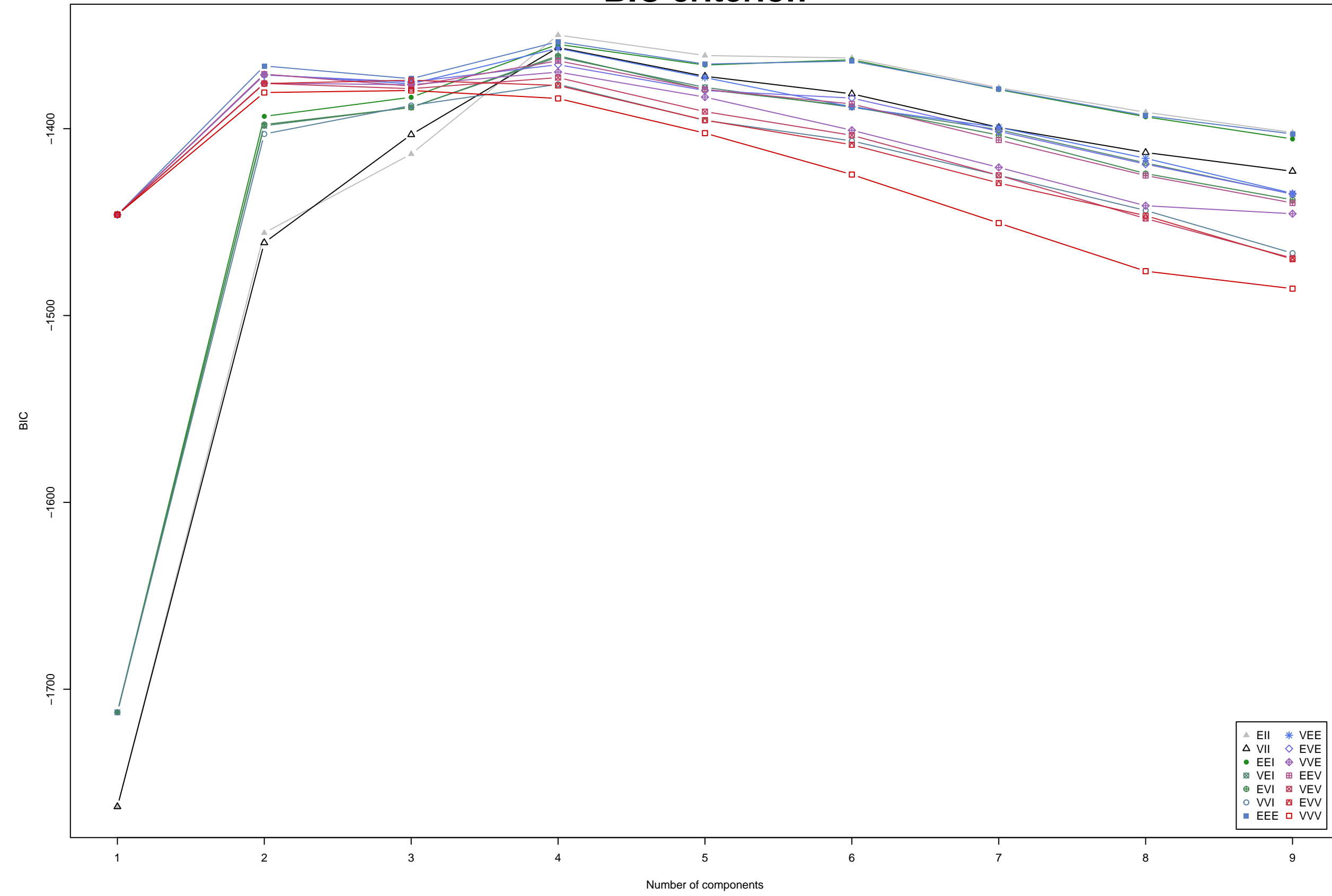


Clustering: UMAP
n = 40 | dist = 0.3

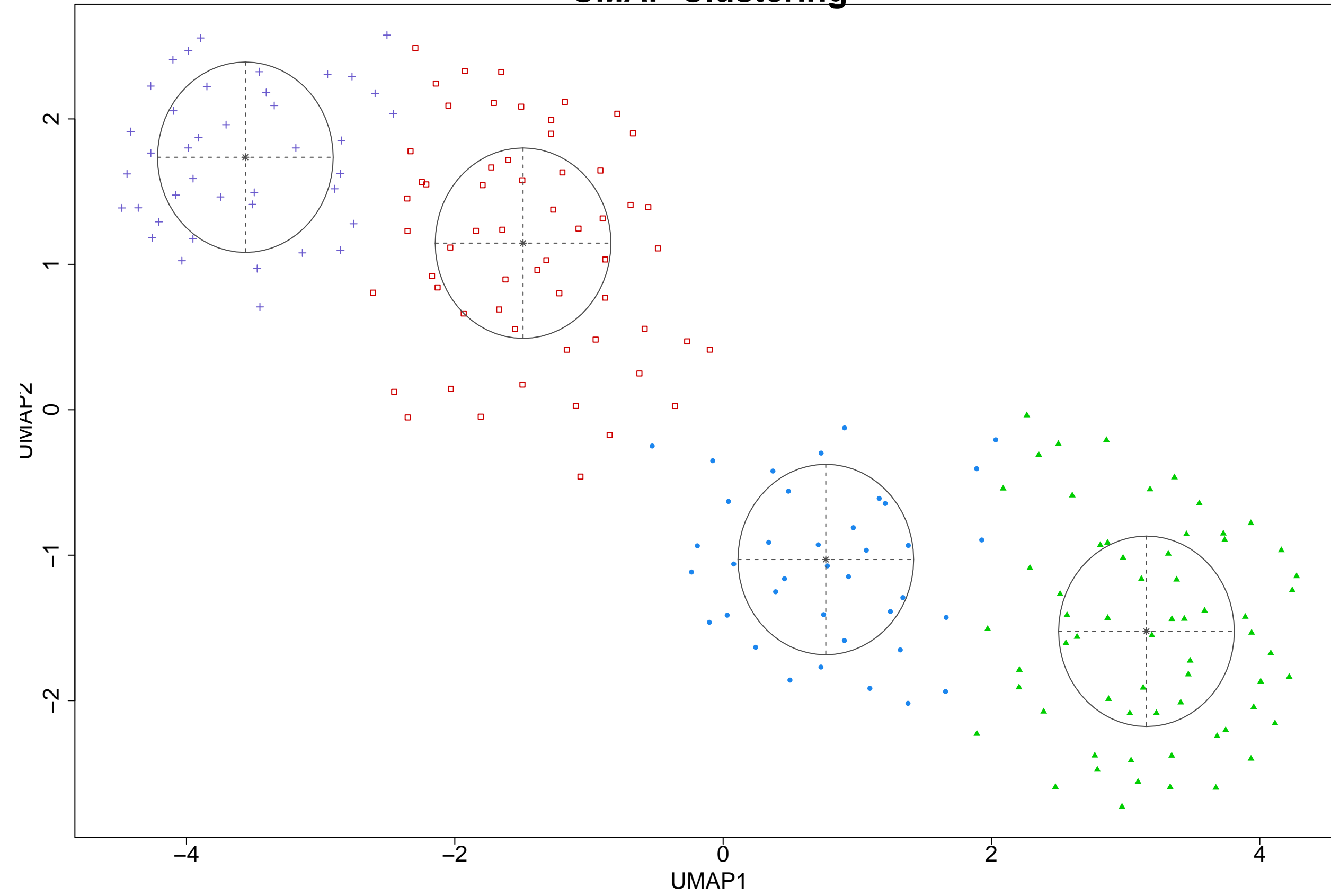
UMAP1 vs UMAP2



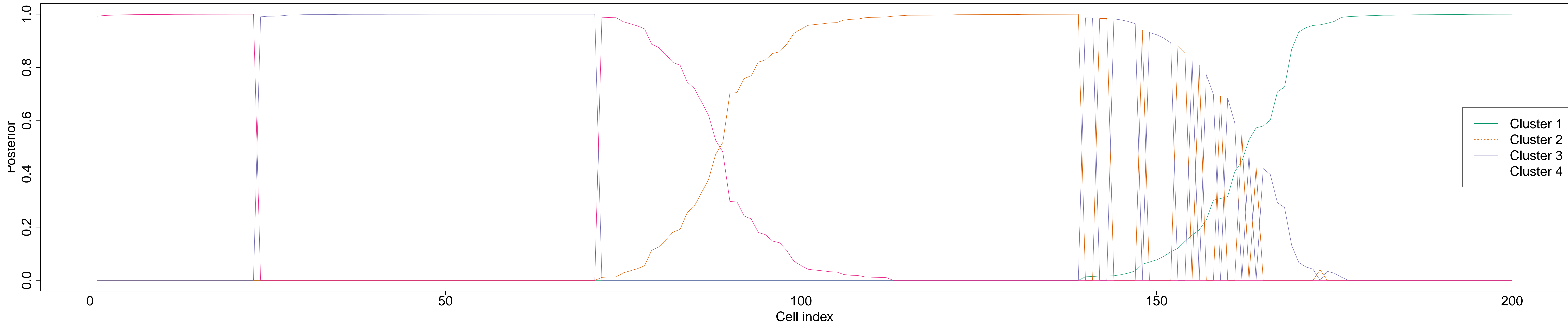
BIC criterion



UMAP Clustering

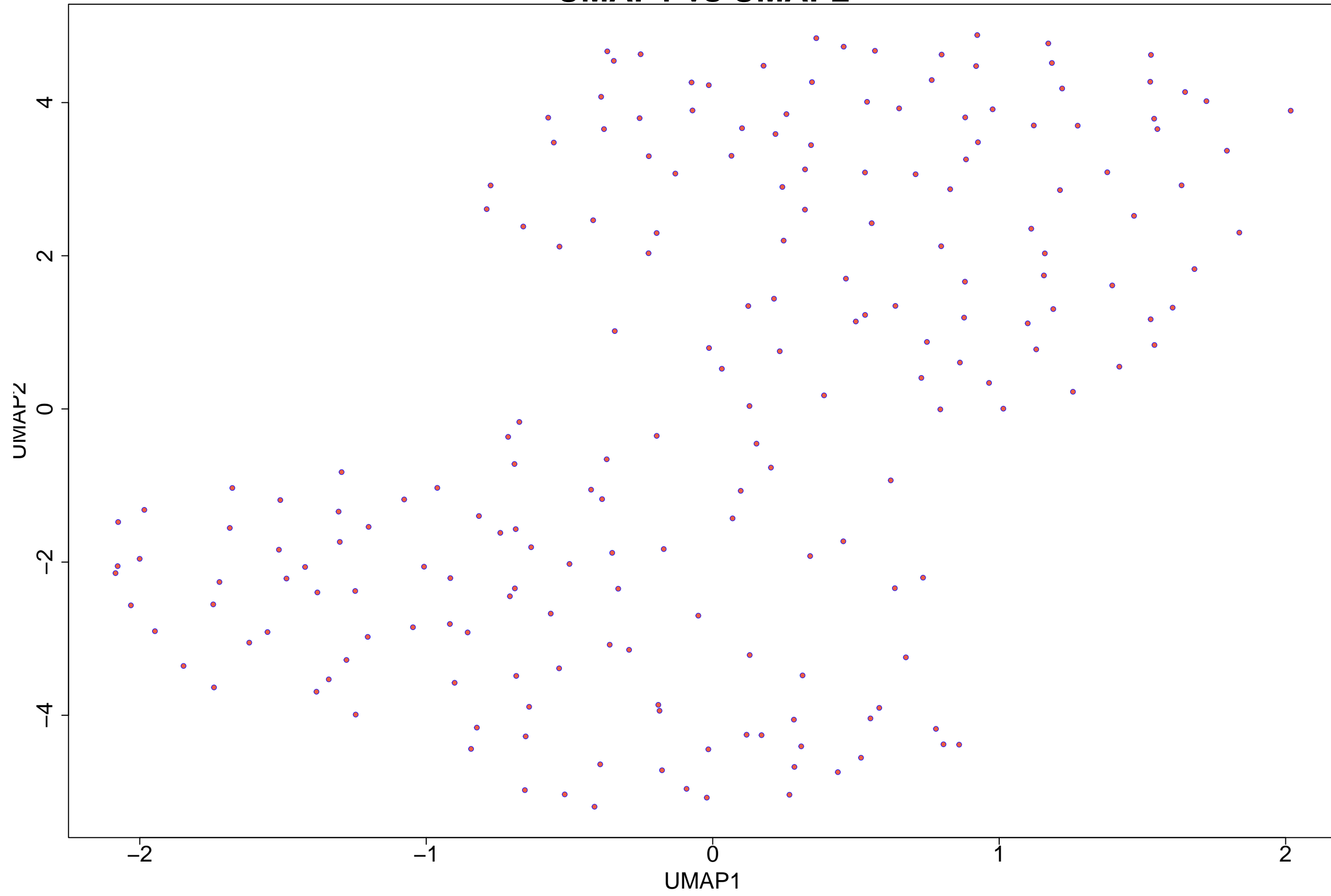


UMAP Trajectory plot

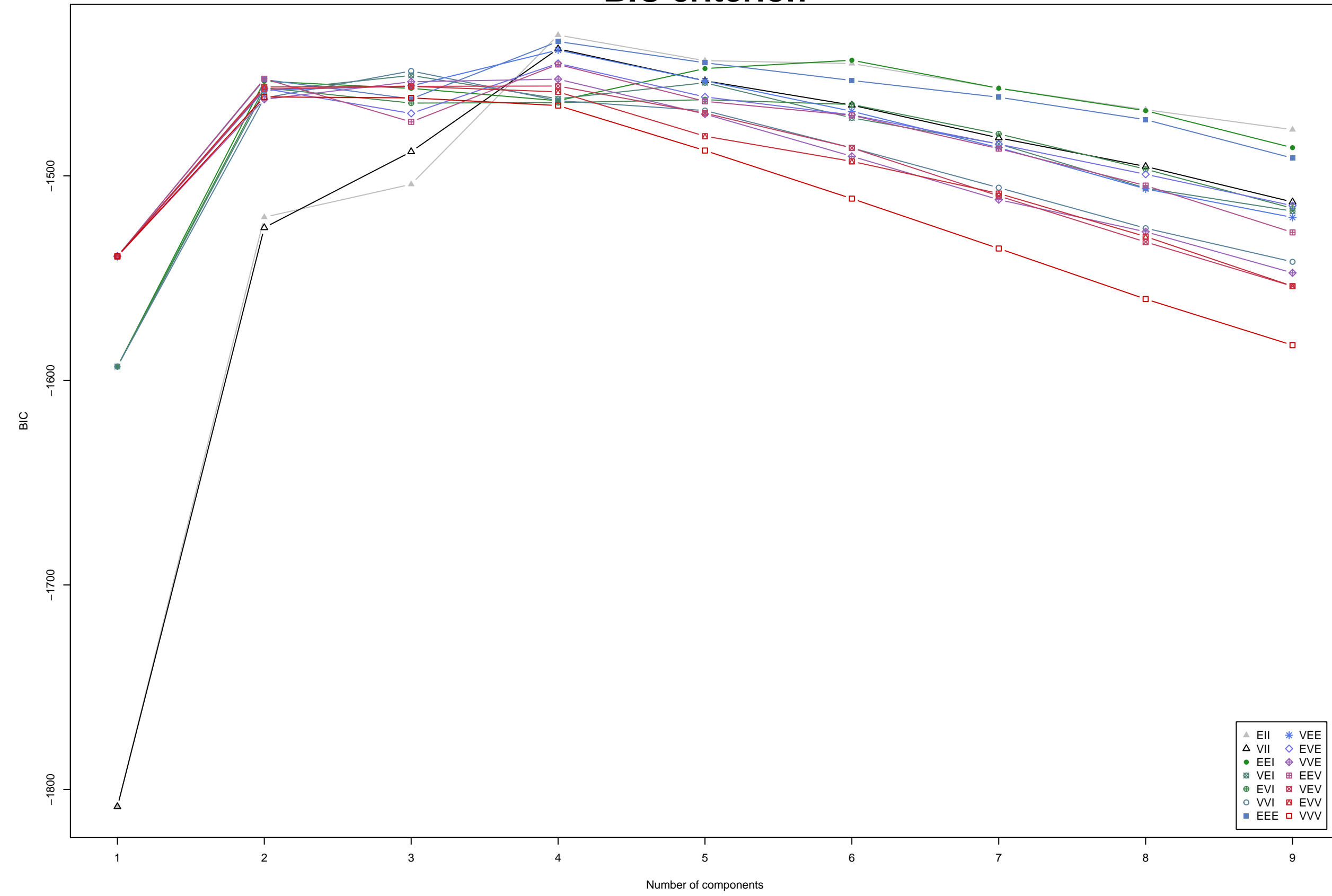


Clustering: UMAP
n = 40 | dist = 0.4

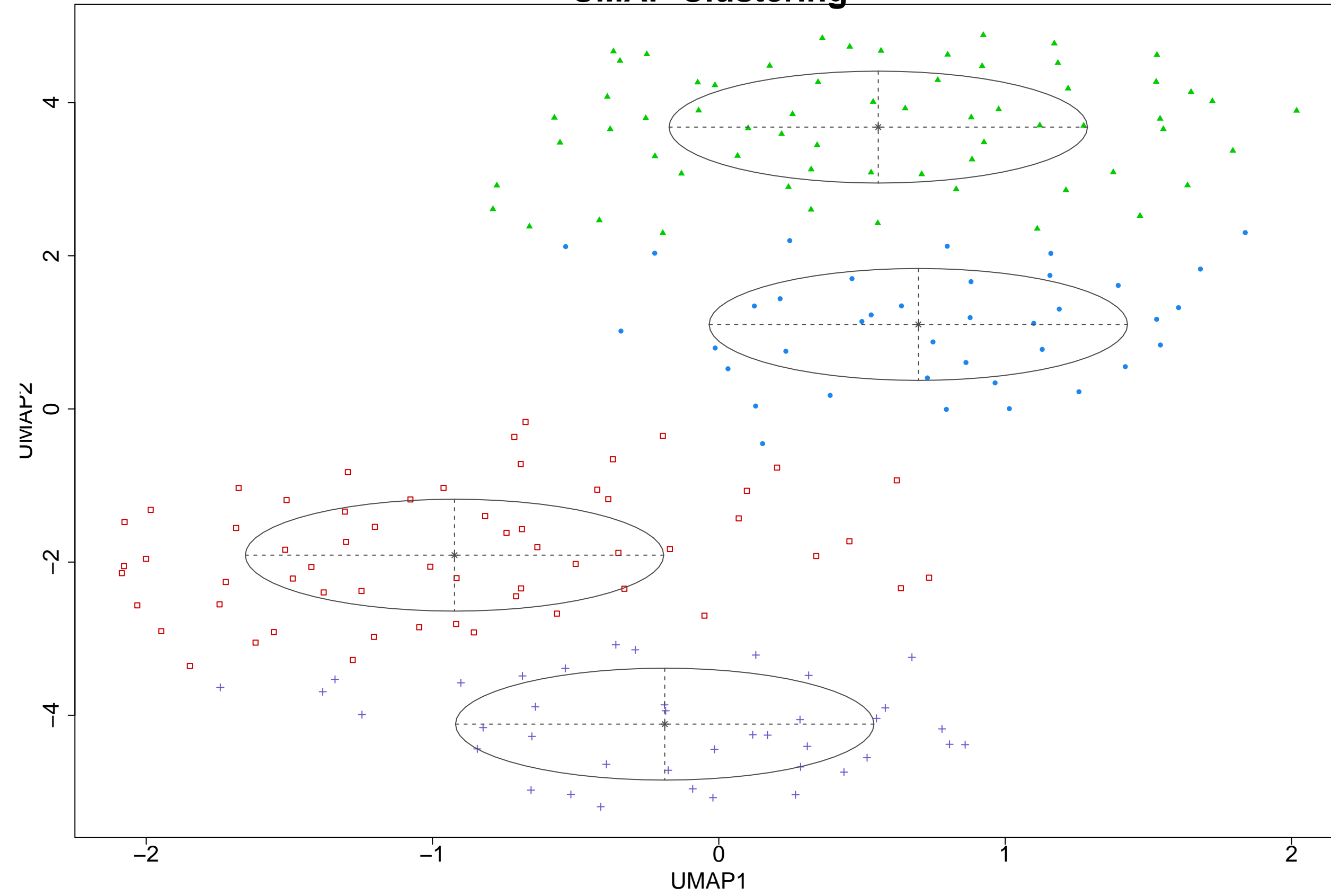
UMAP1 vs UMAP2



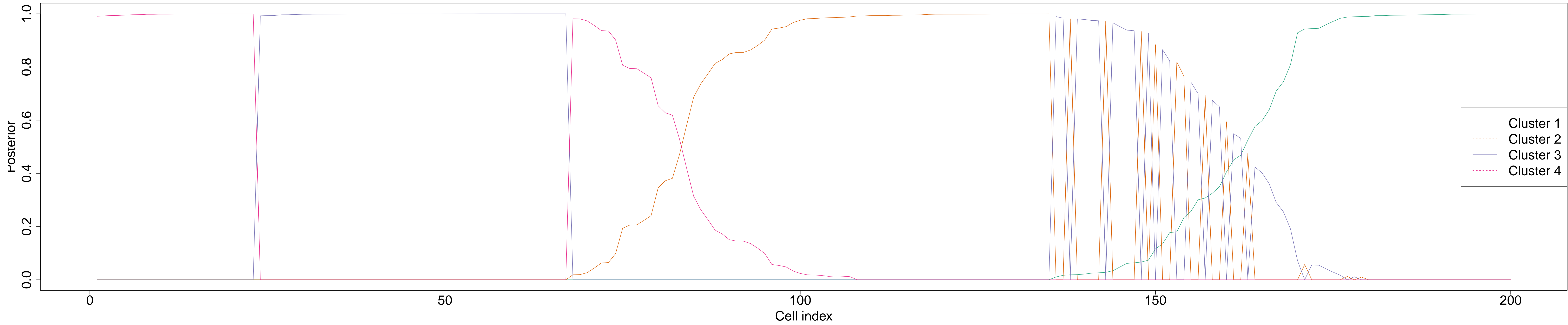
BIC criterion

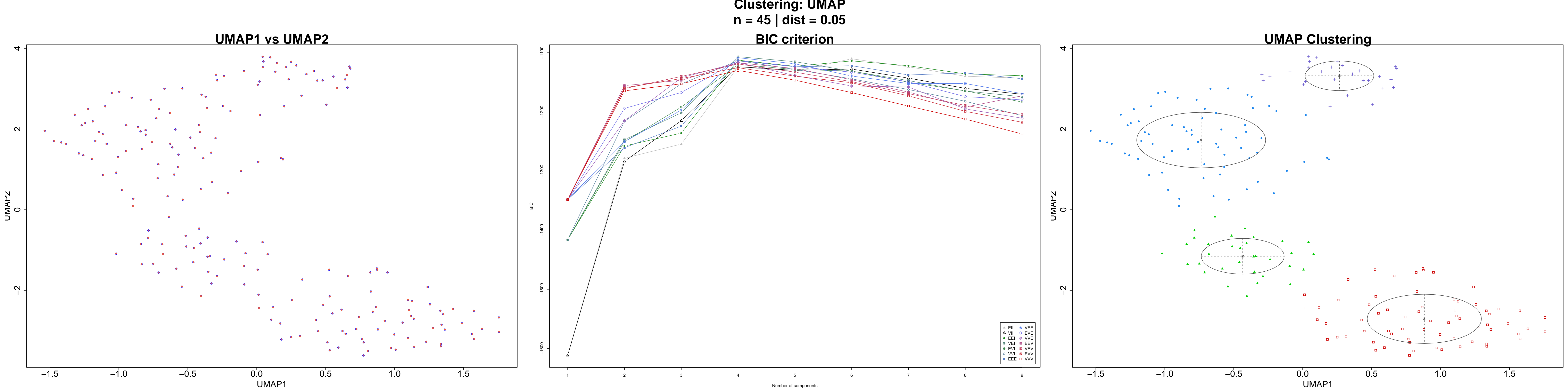


UMAP Clustering

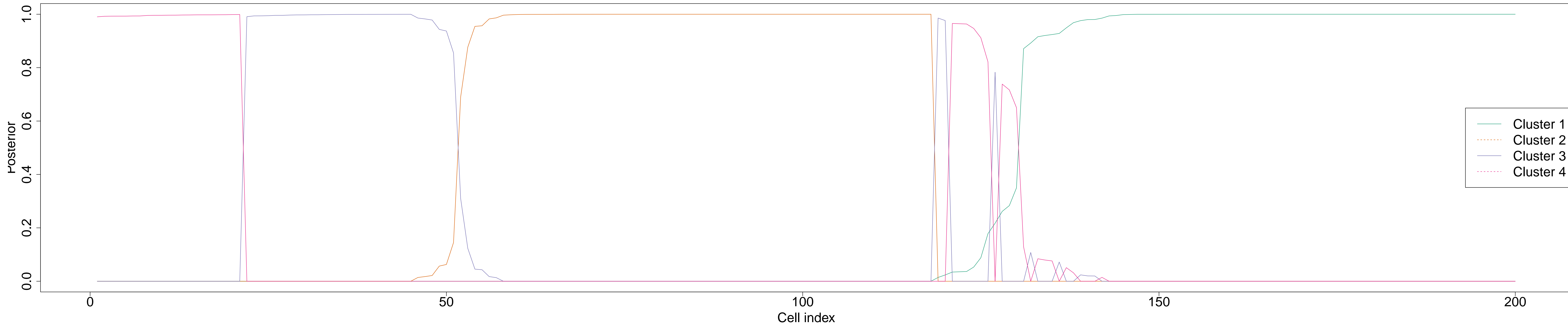


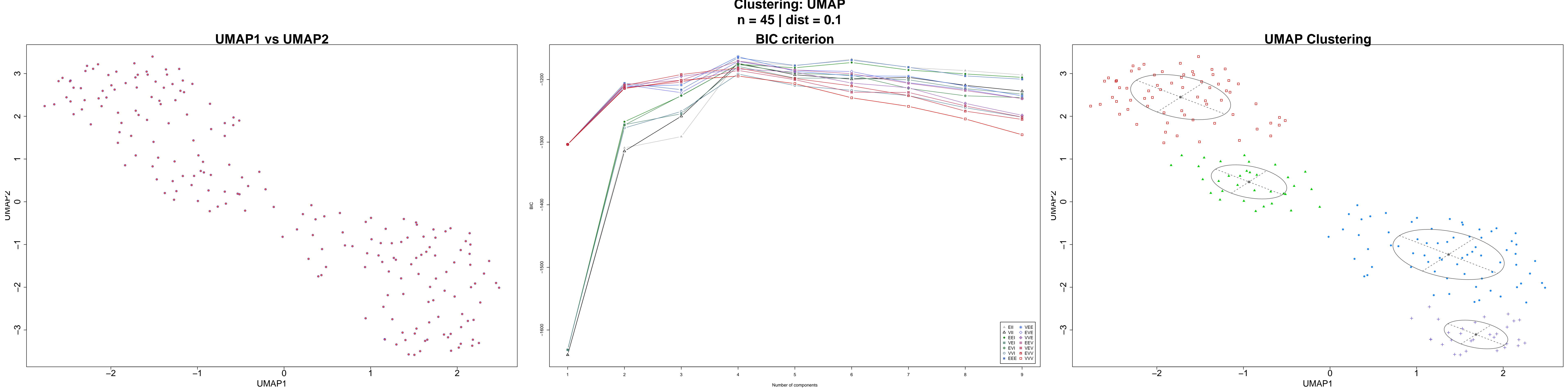
UMAP Trajectory plot



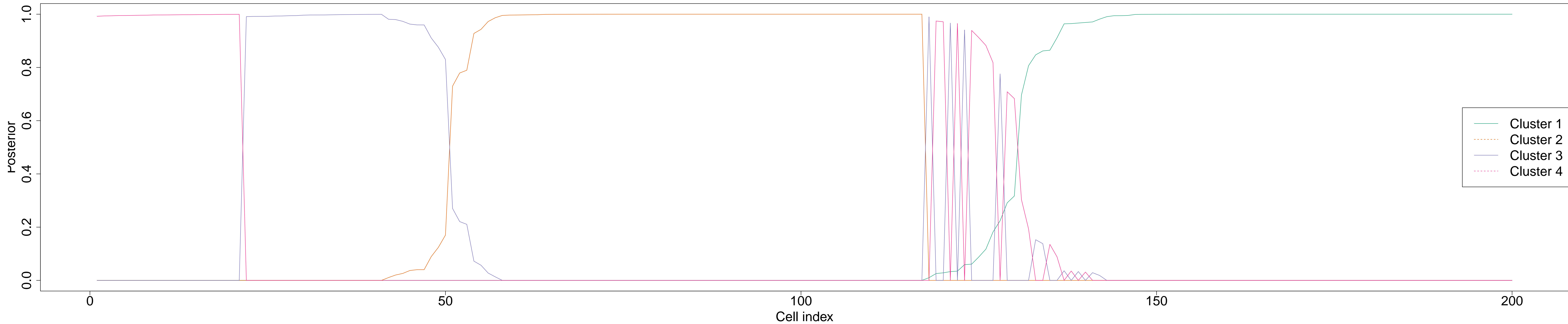


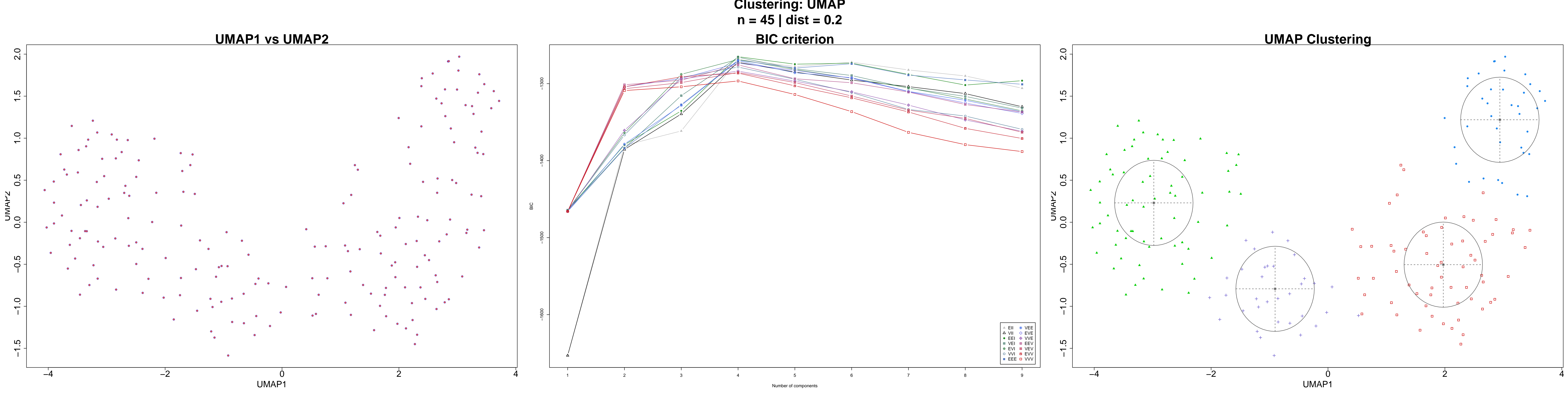
UMAP Trajectory plot



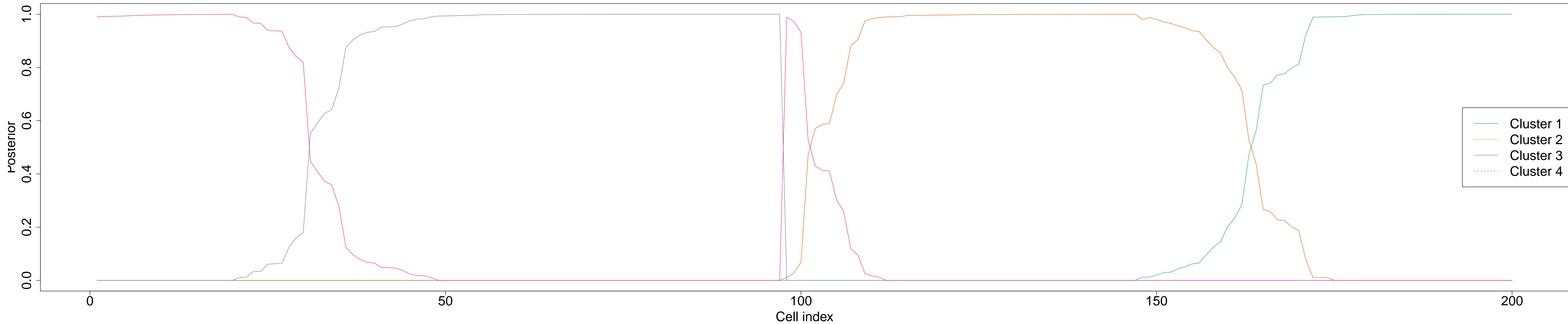


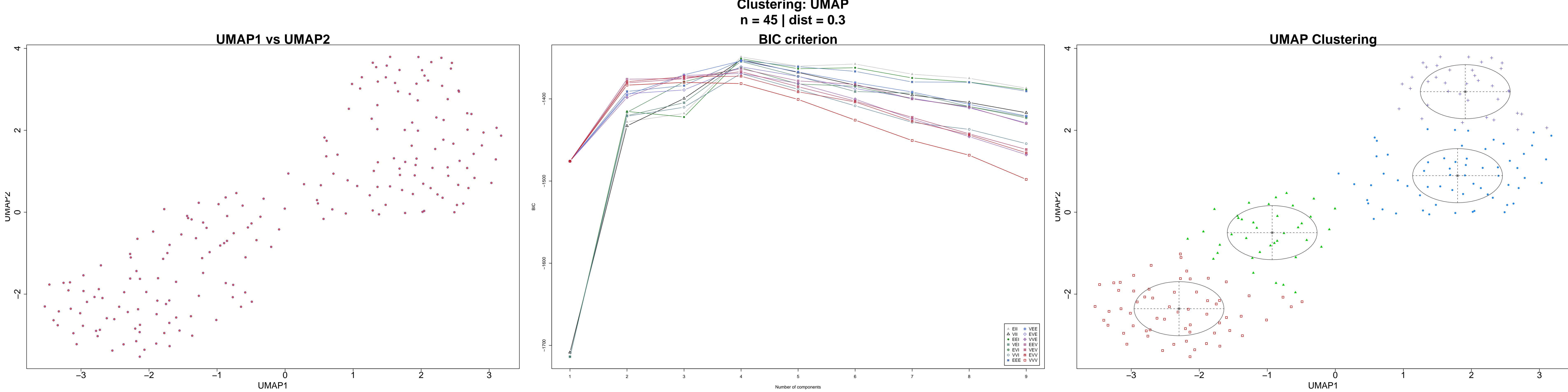
UMAP Trajectory plot



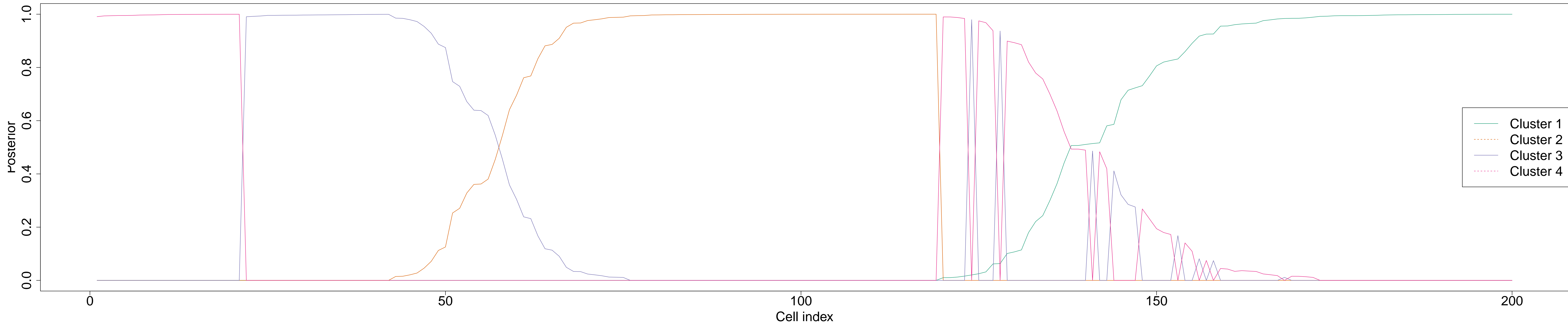


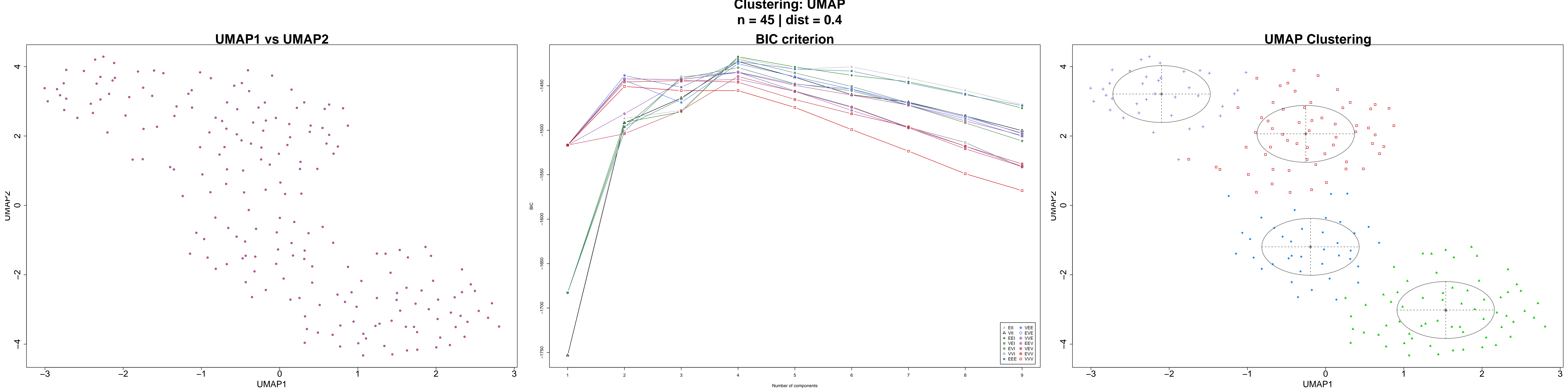
UMAP Trajectory plot



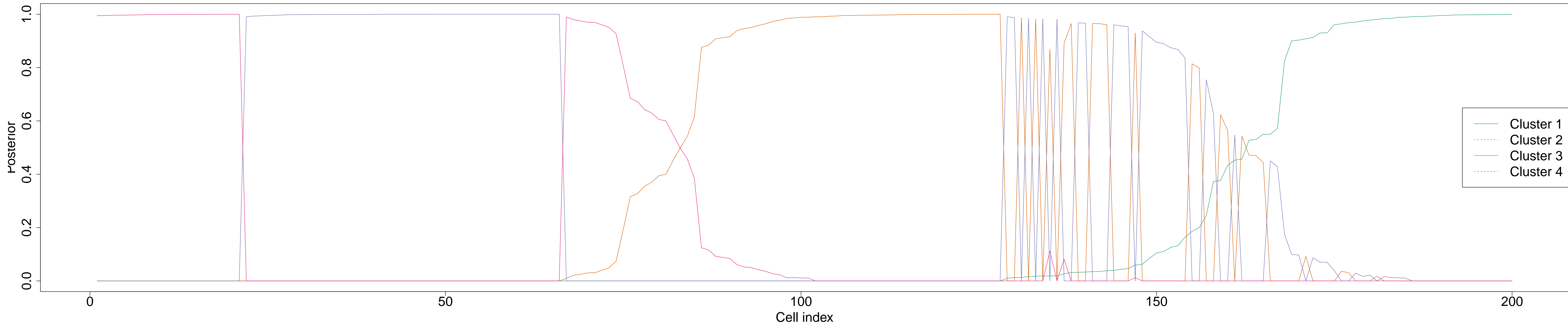


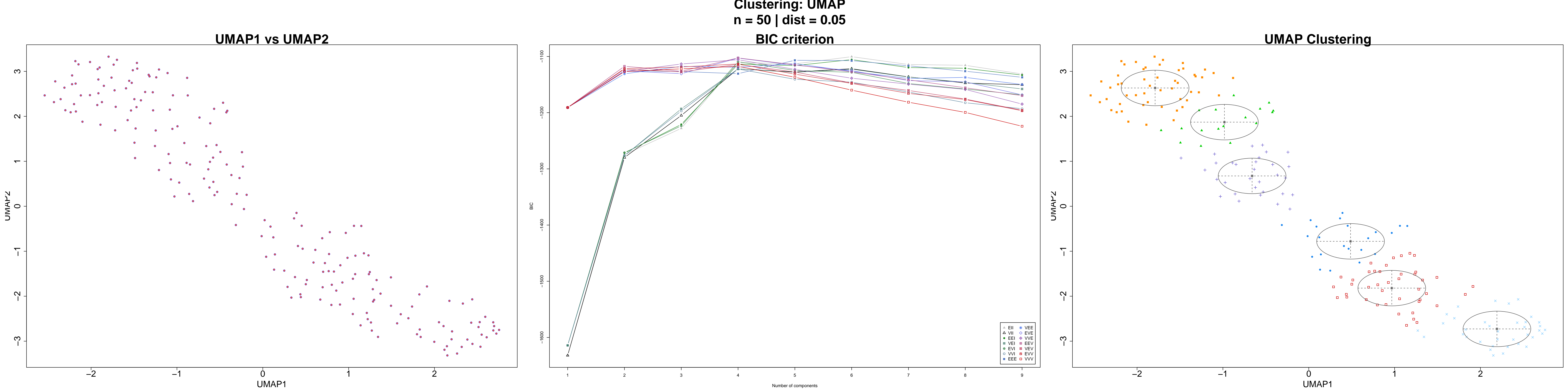
UMAP Trajectory plot



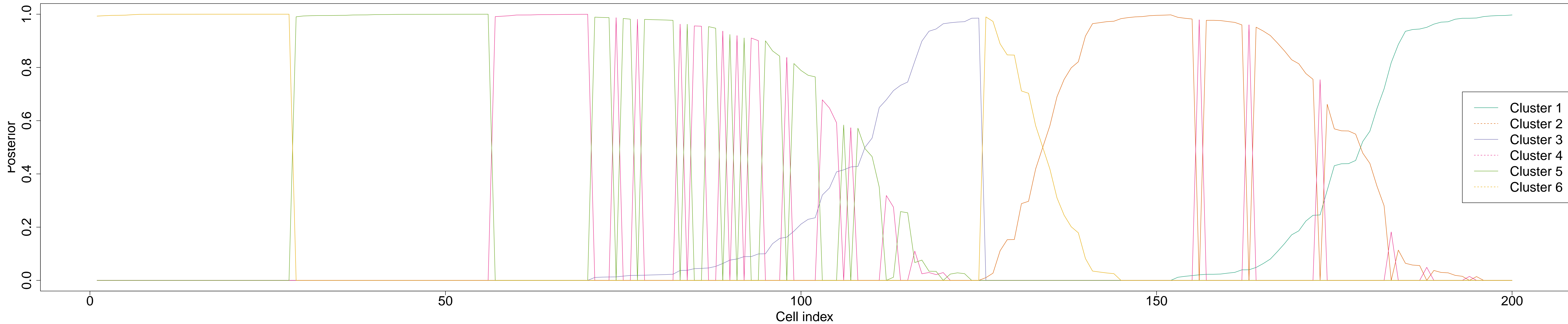


UMAP Trajectory plot



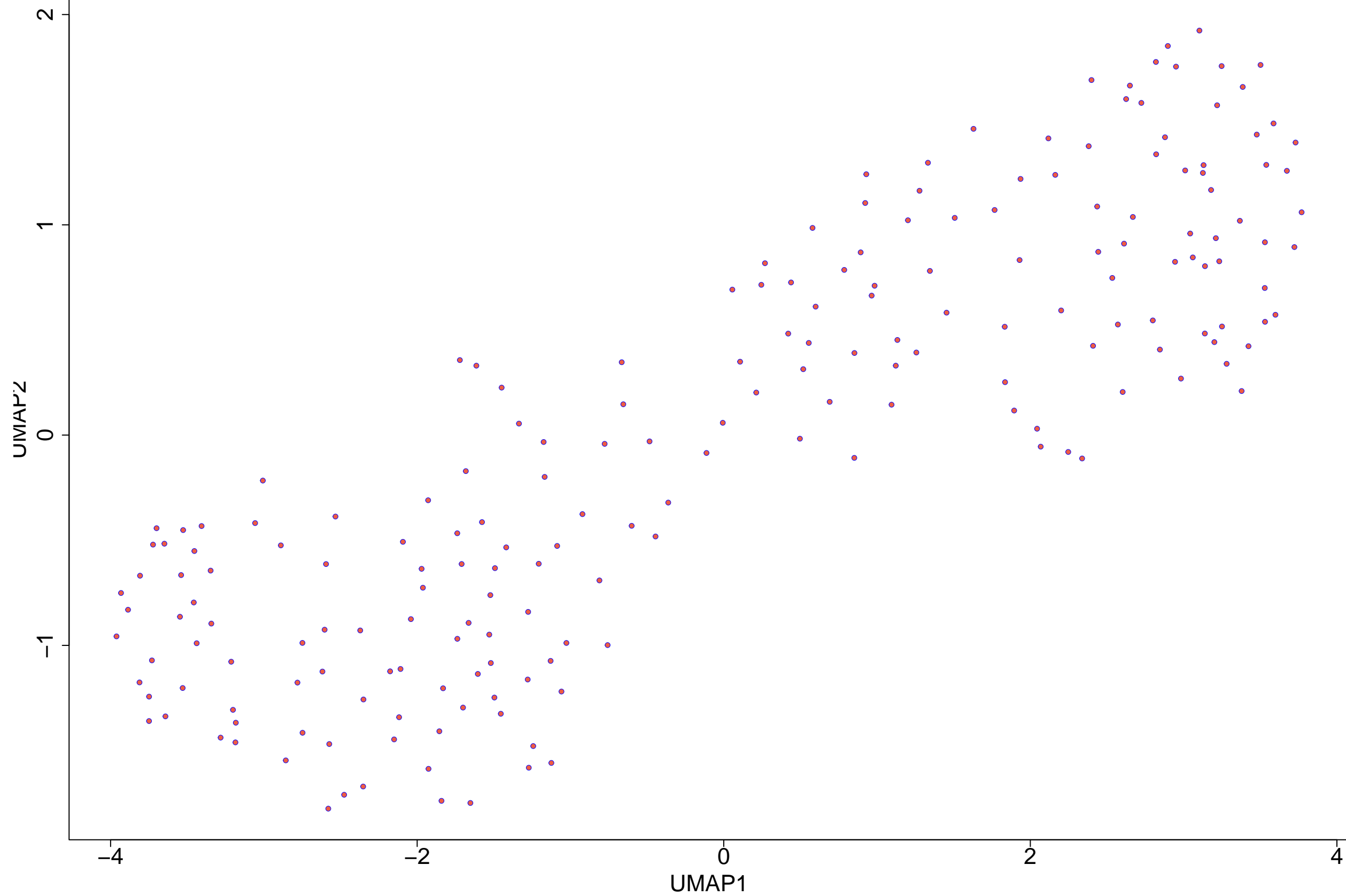


UMAP Trajectory plot

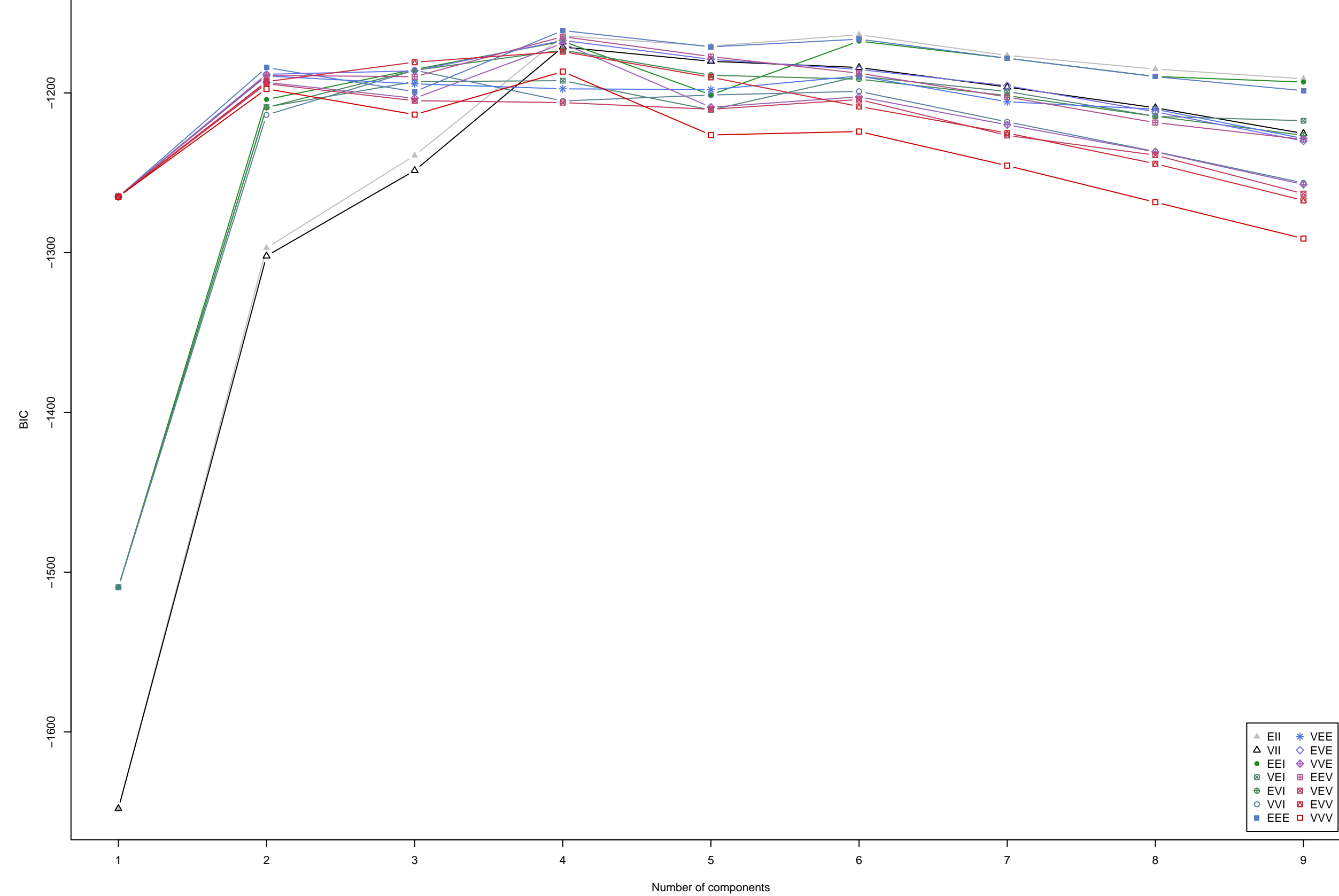


Clustering: UMAP
n = 50 | dist = 0.1

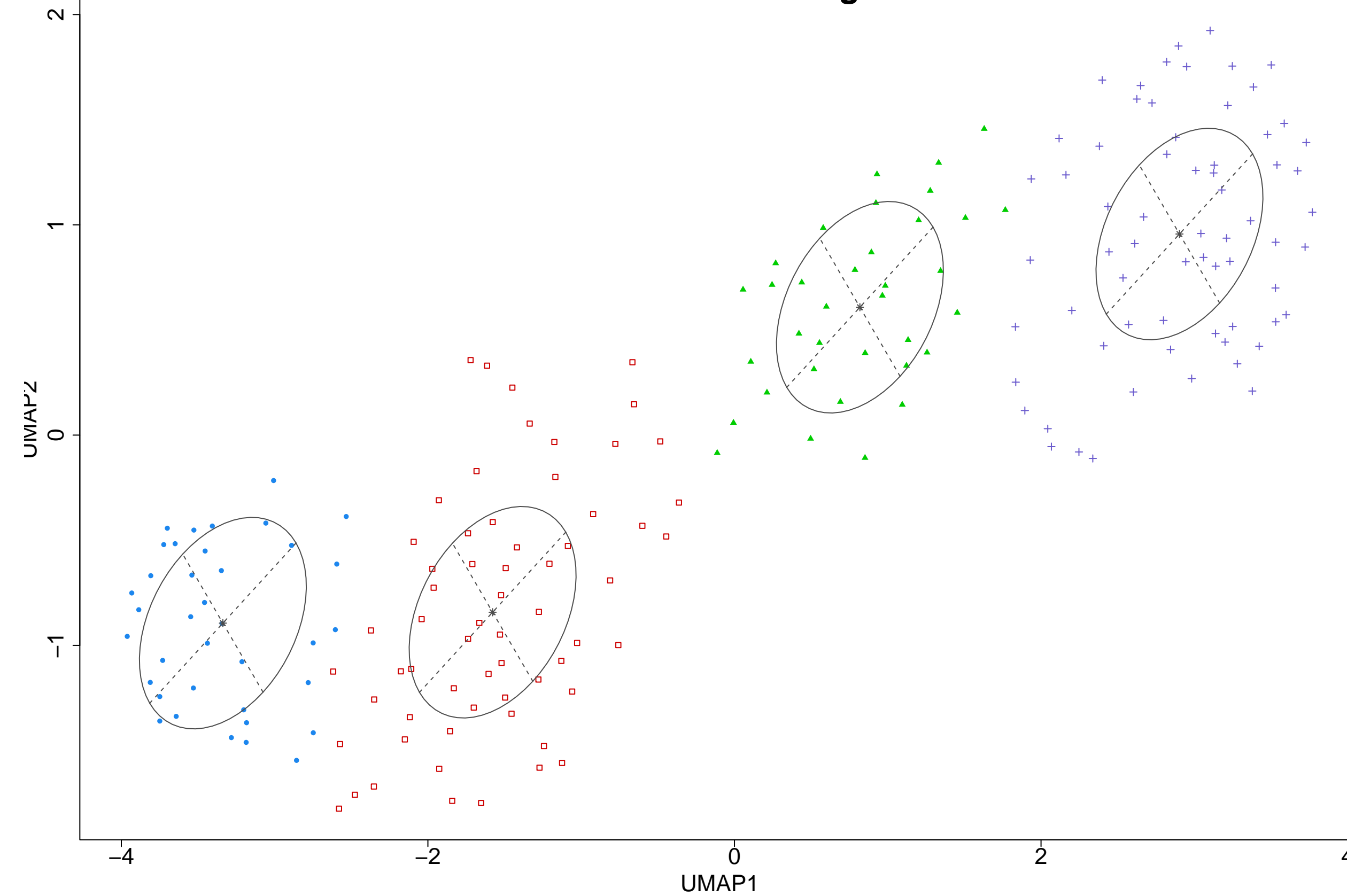
UMAP1 vs UMAP2



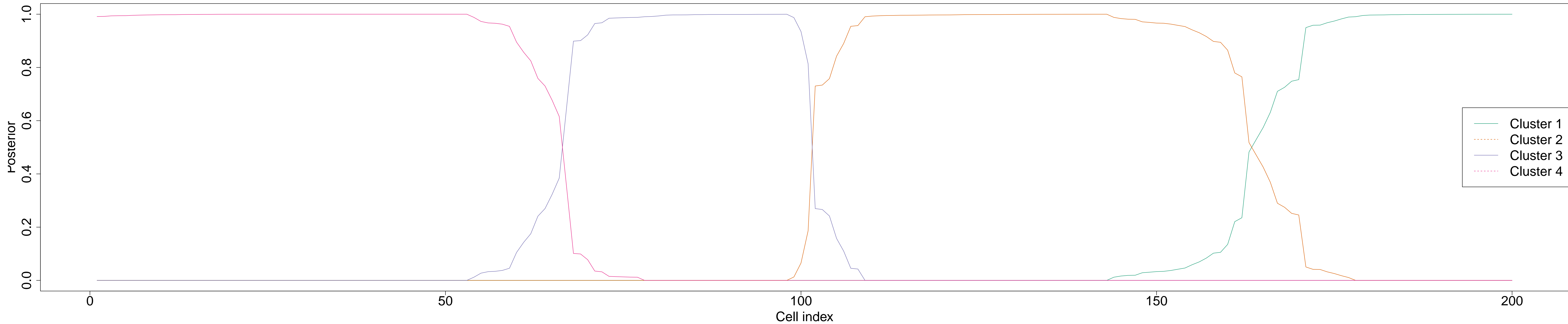
BIC criterion



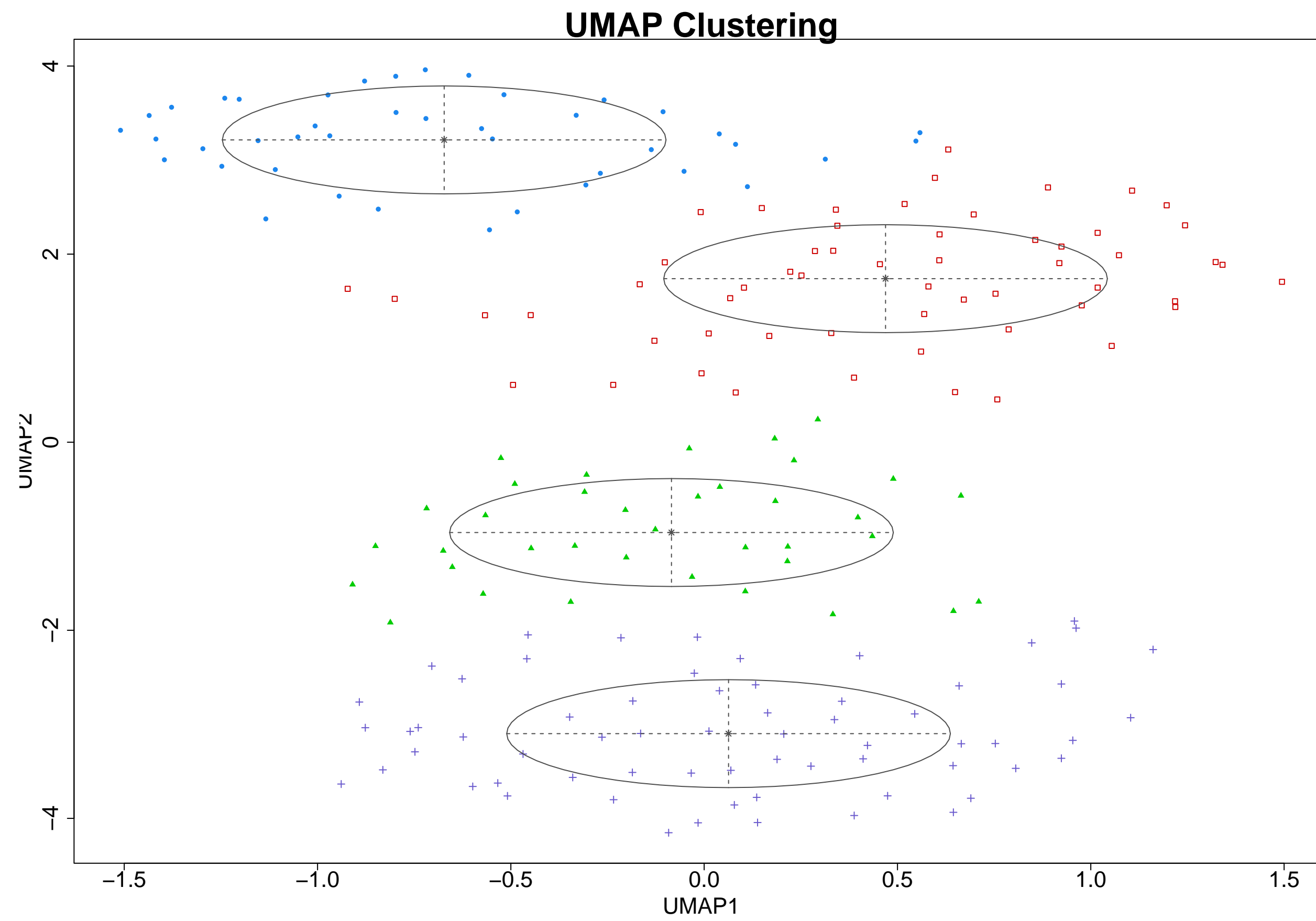
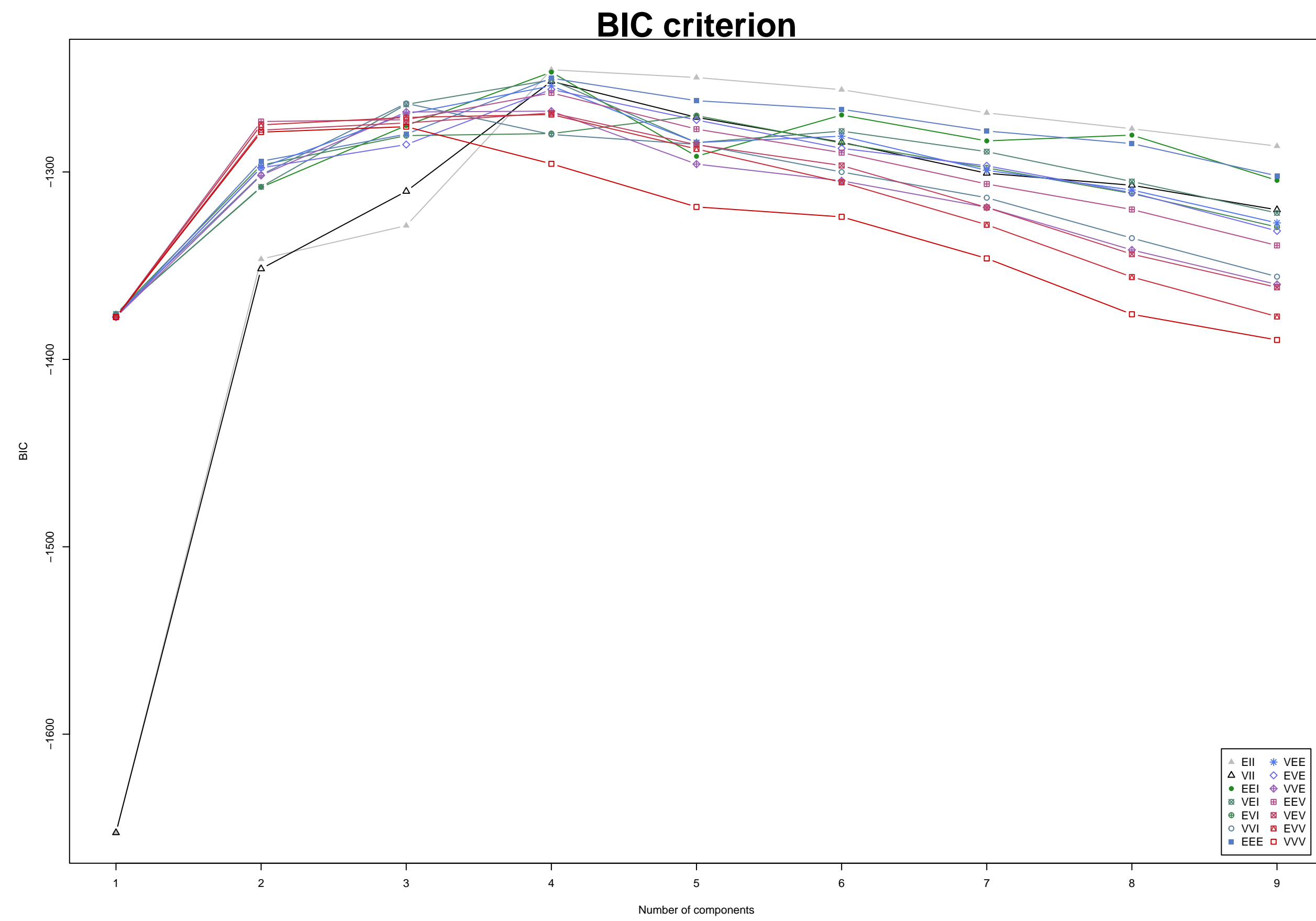
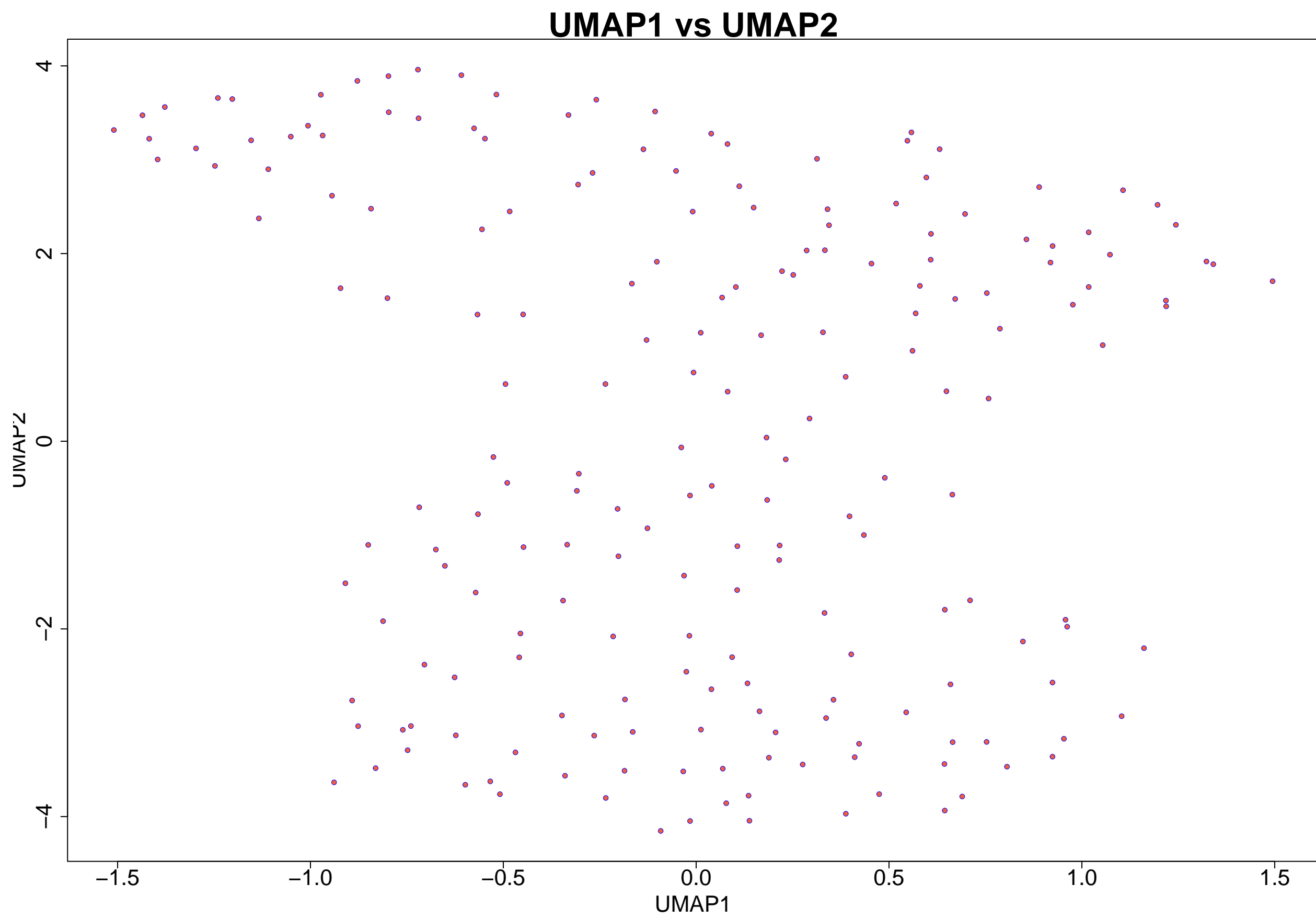
UMAP Clustering



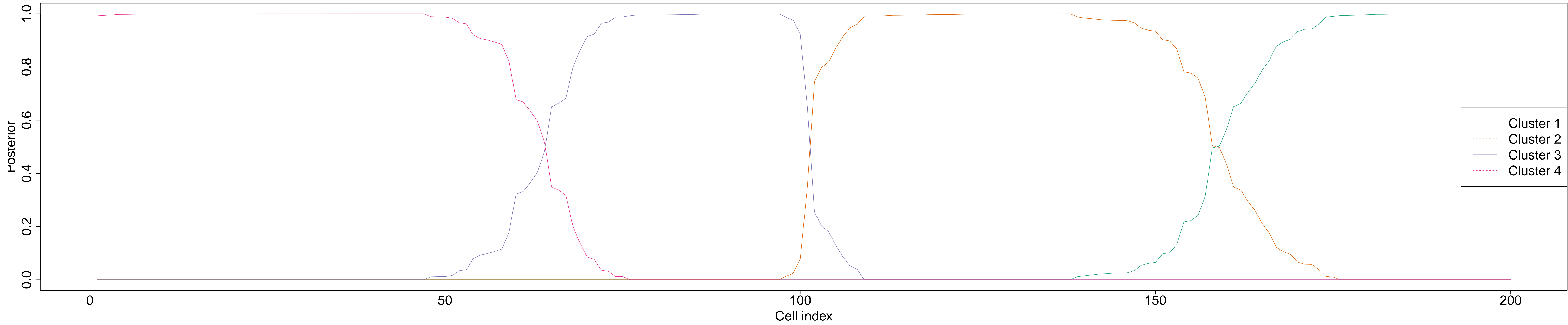
UMAP Trajectory plot

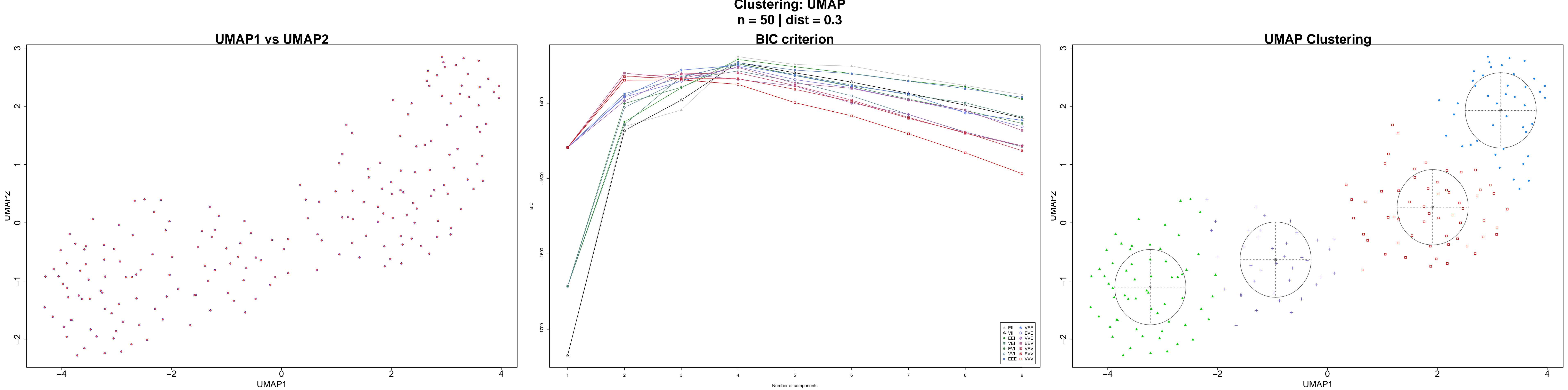


Clustering: UMAP
n = 50 | dist = 0.2

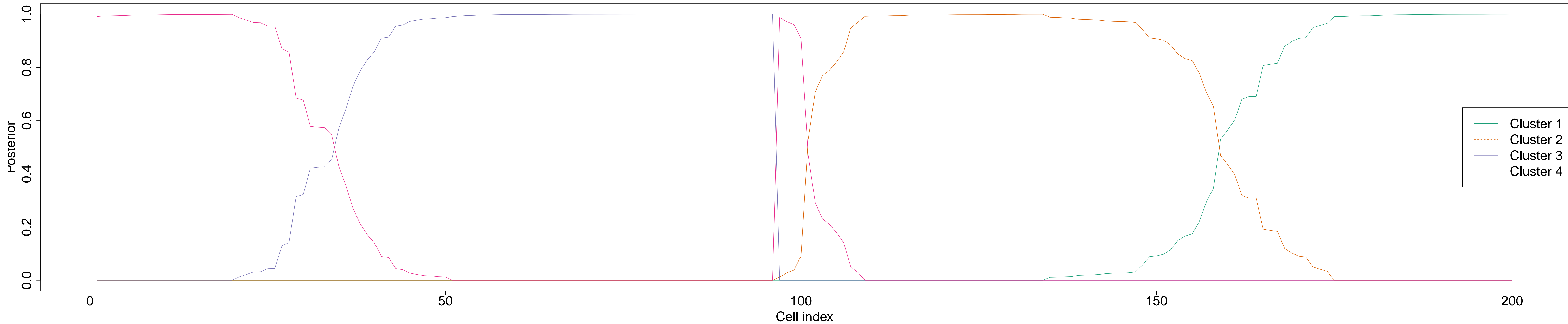


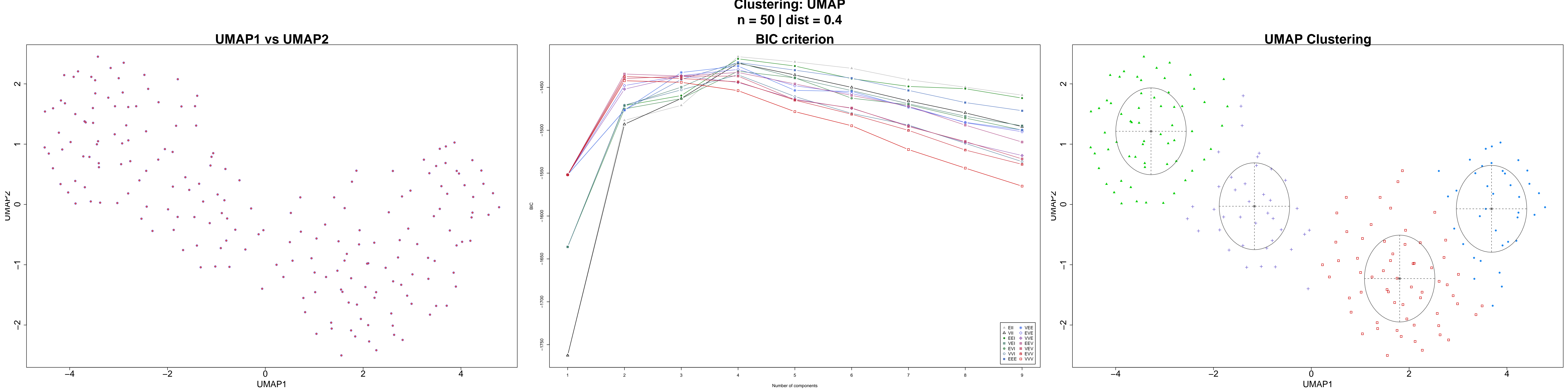
UMAP Trajectory plot



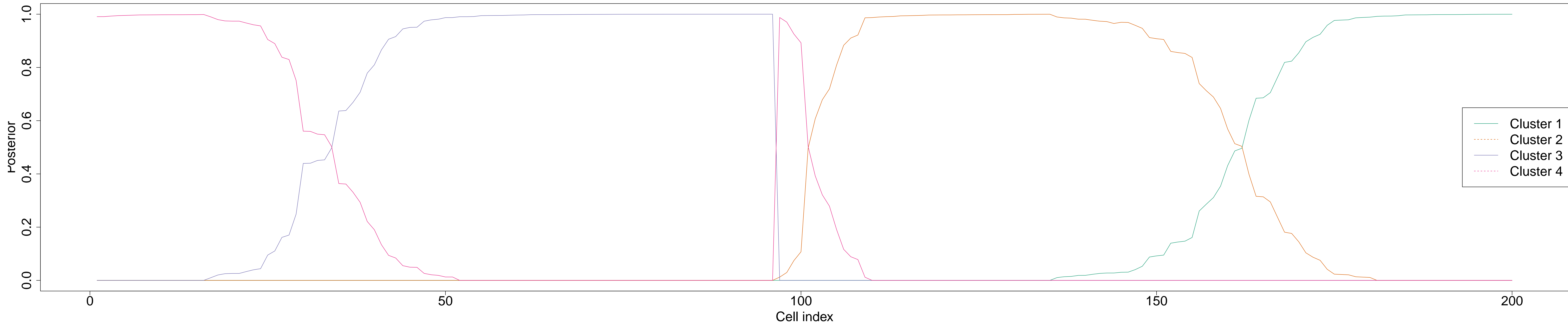


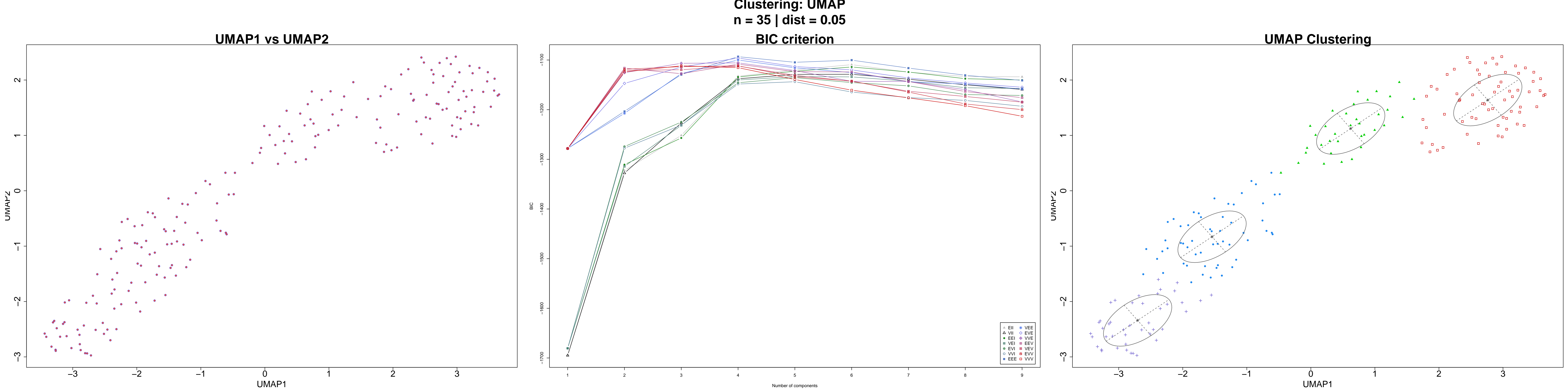
UMAP Trajectory plot



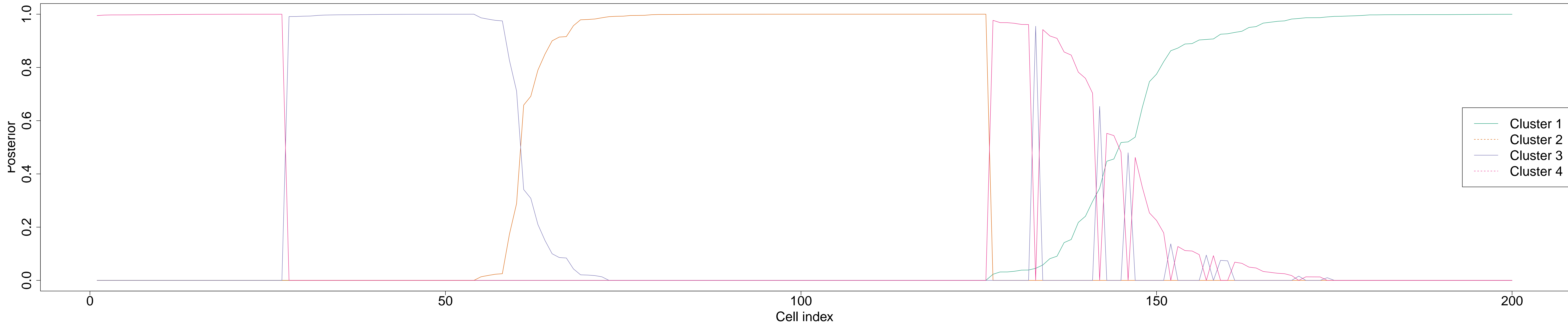


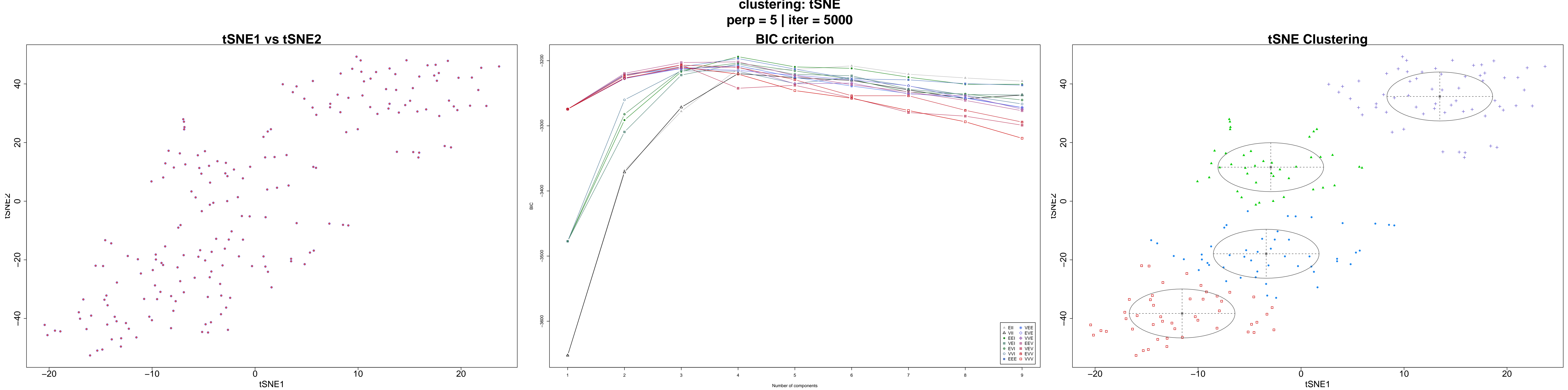
UMAP Trajectory plot



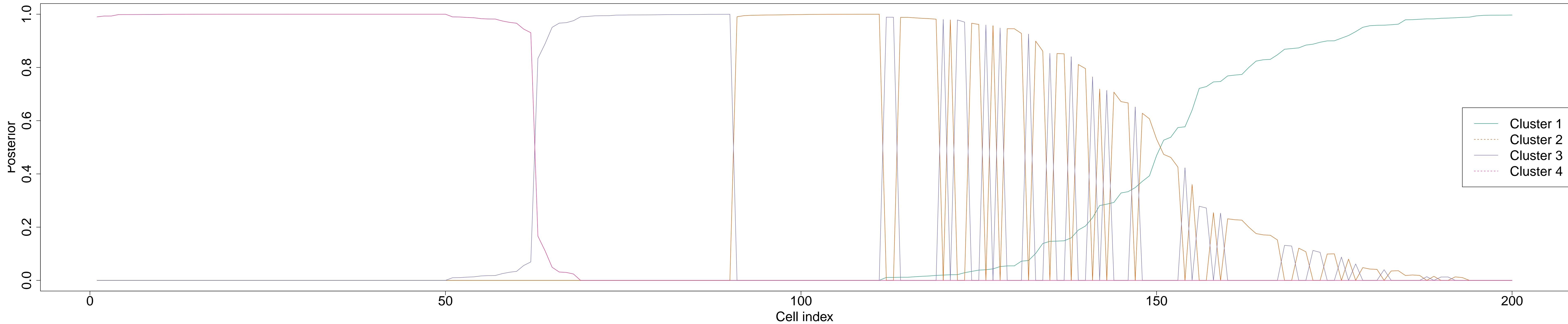


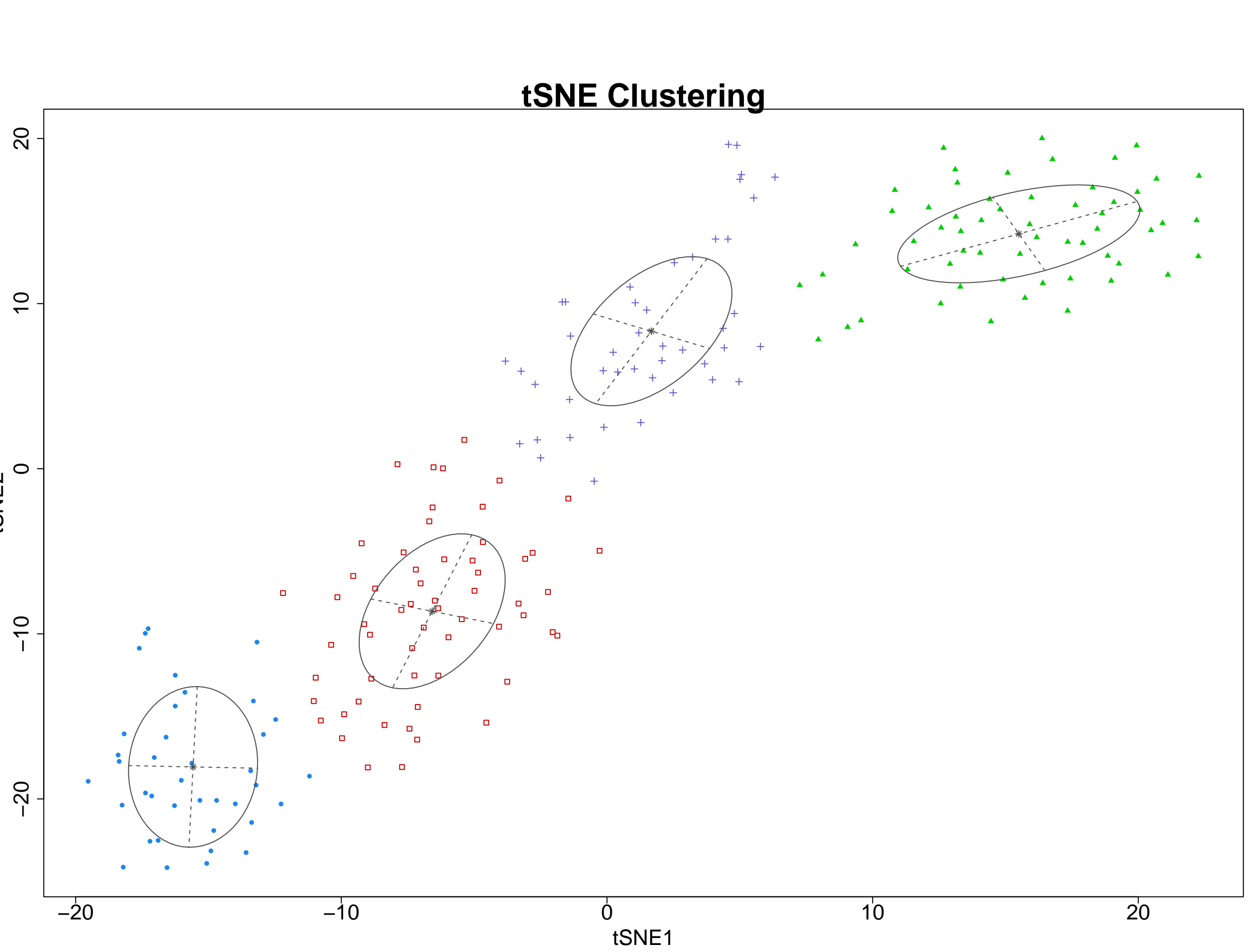
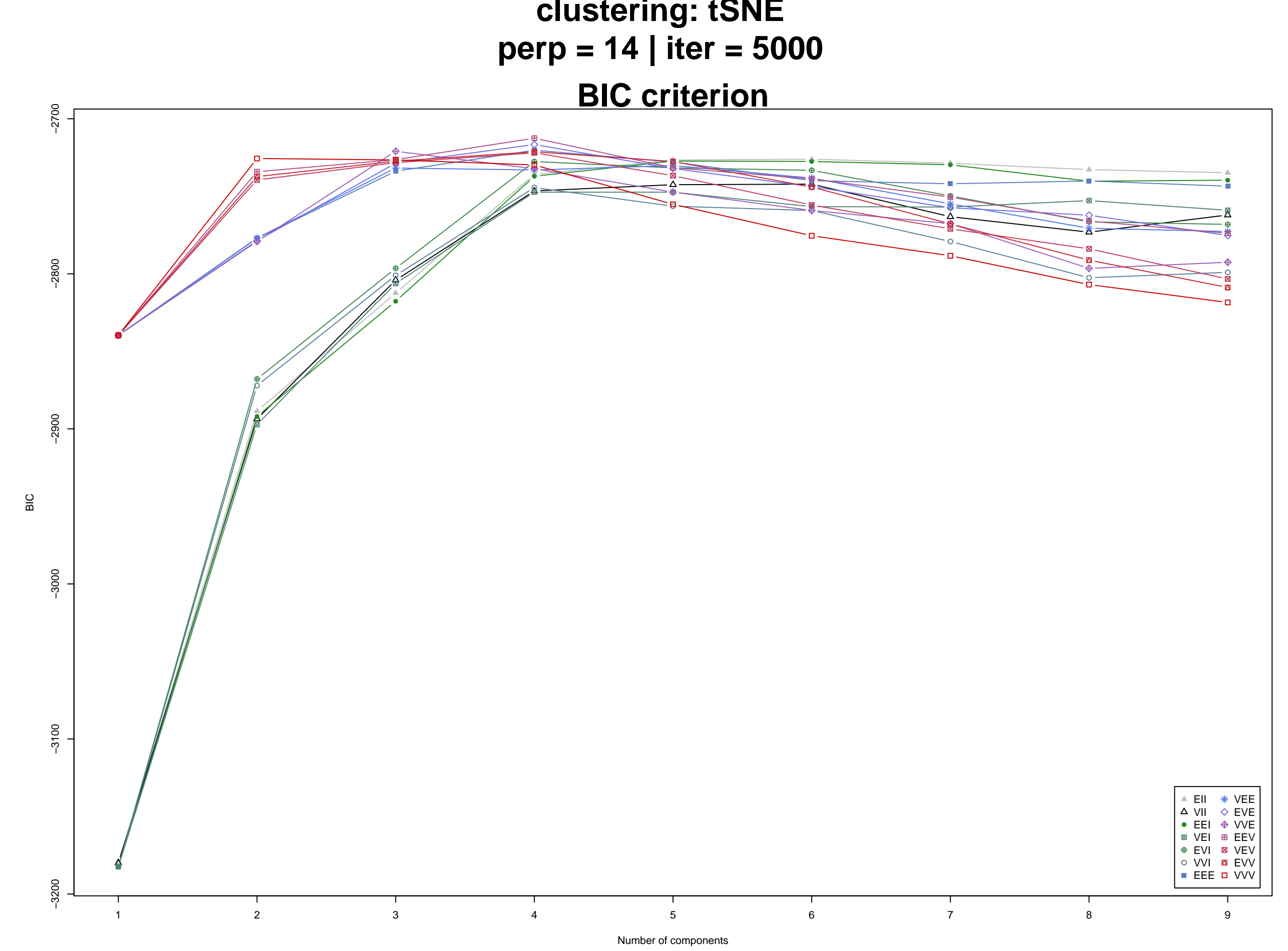
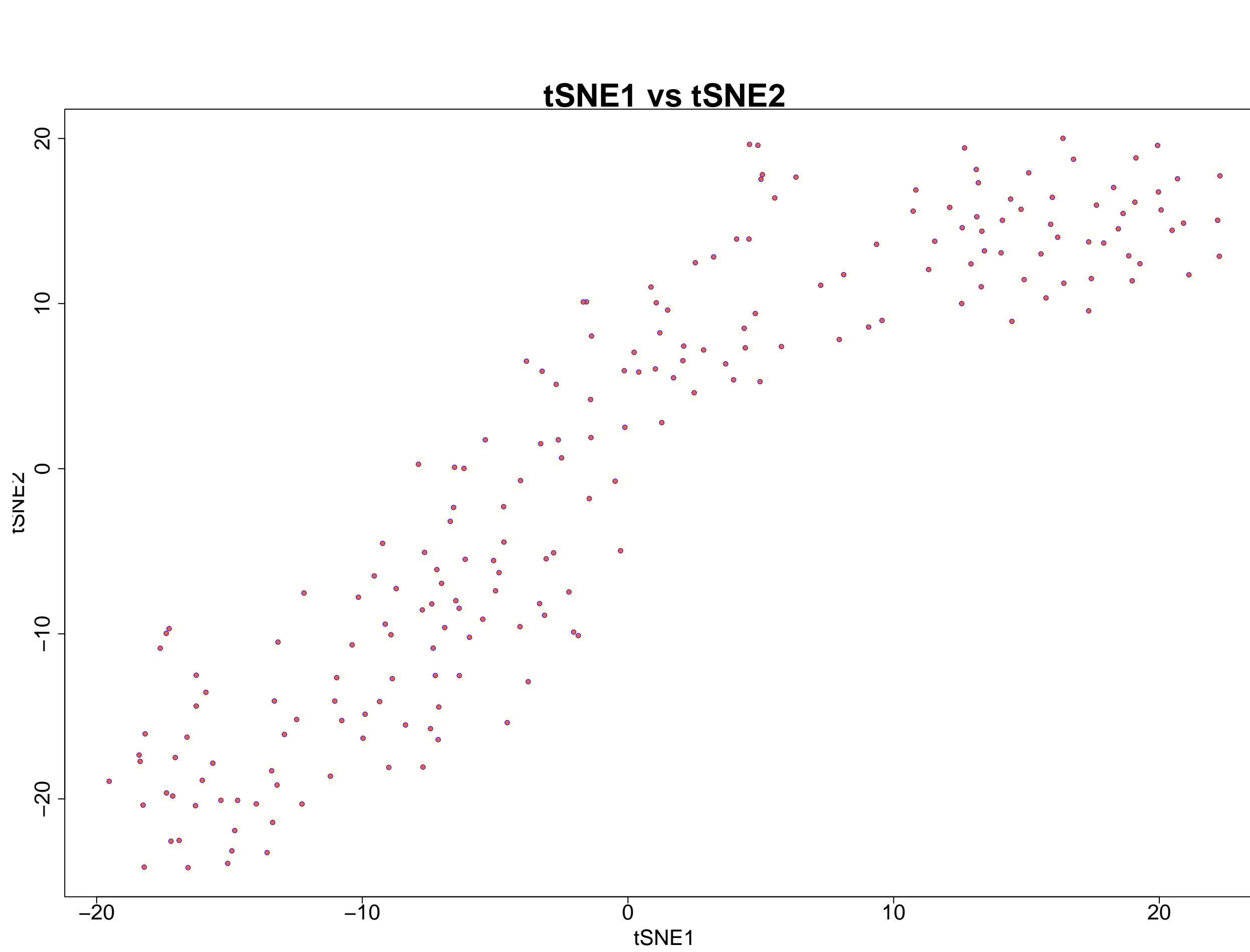
UMAP Trajectory plot



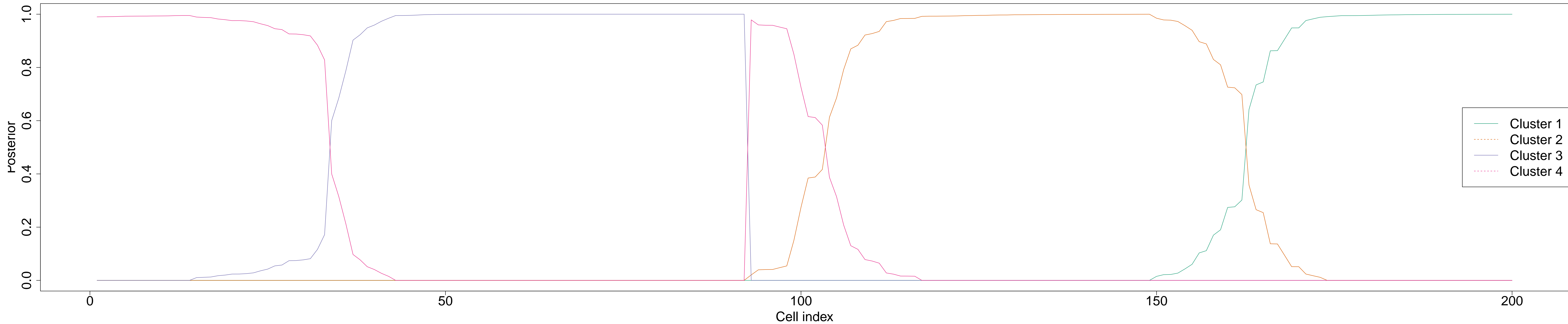


tSNE Trajectory plot

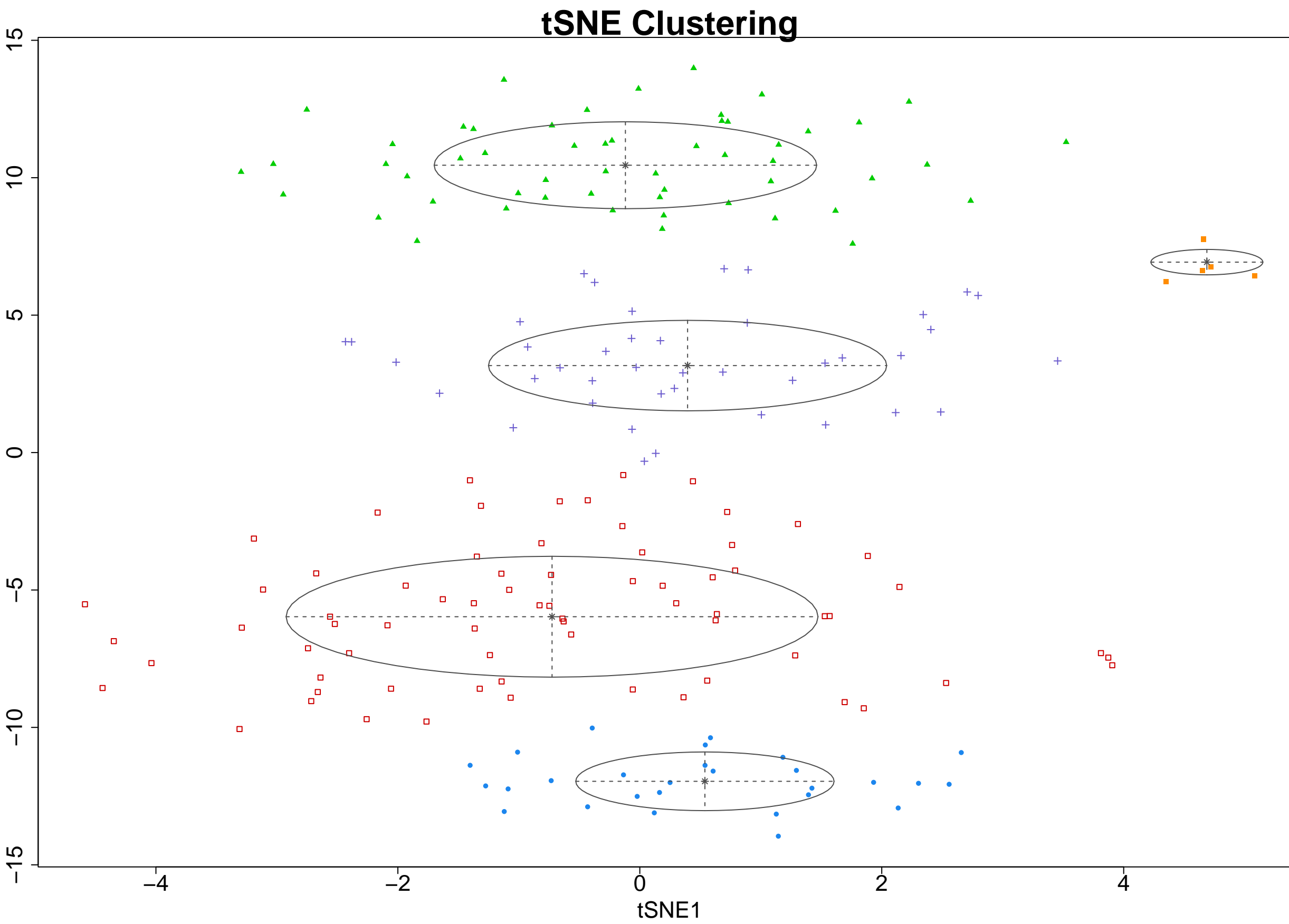
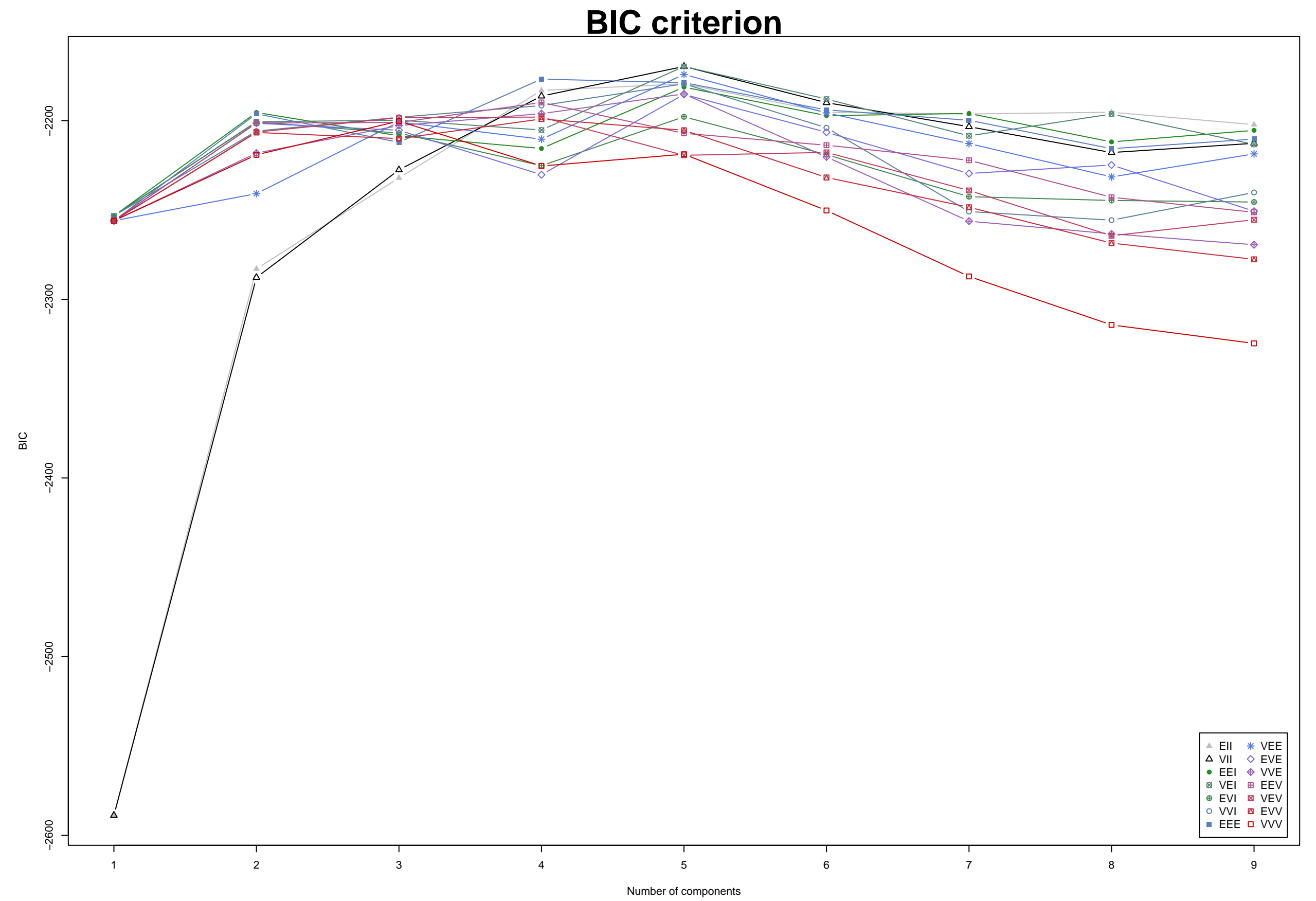
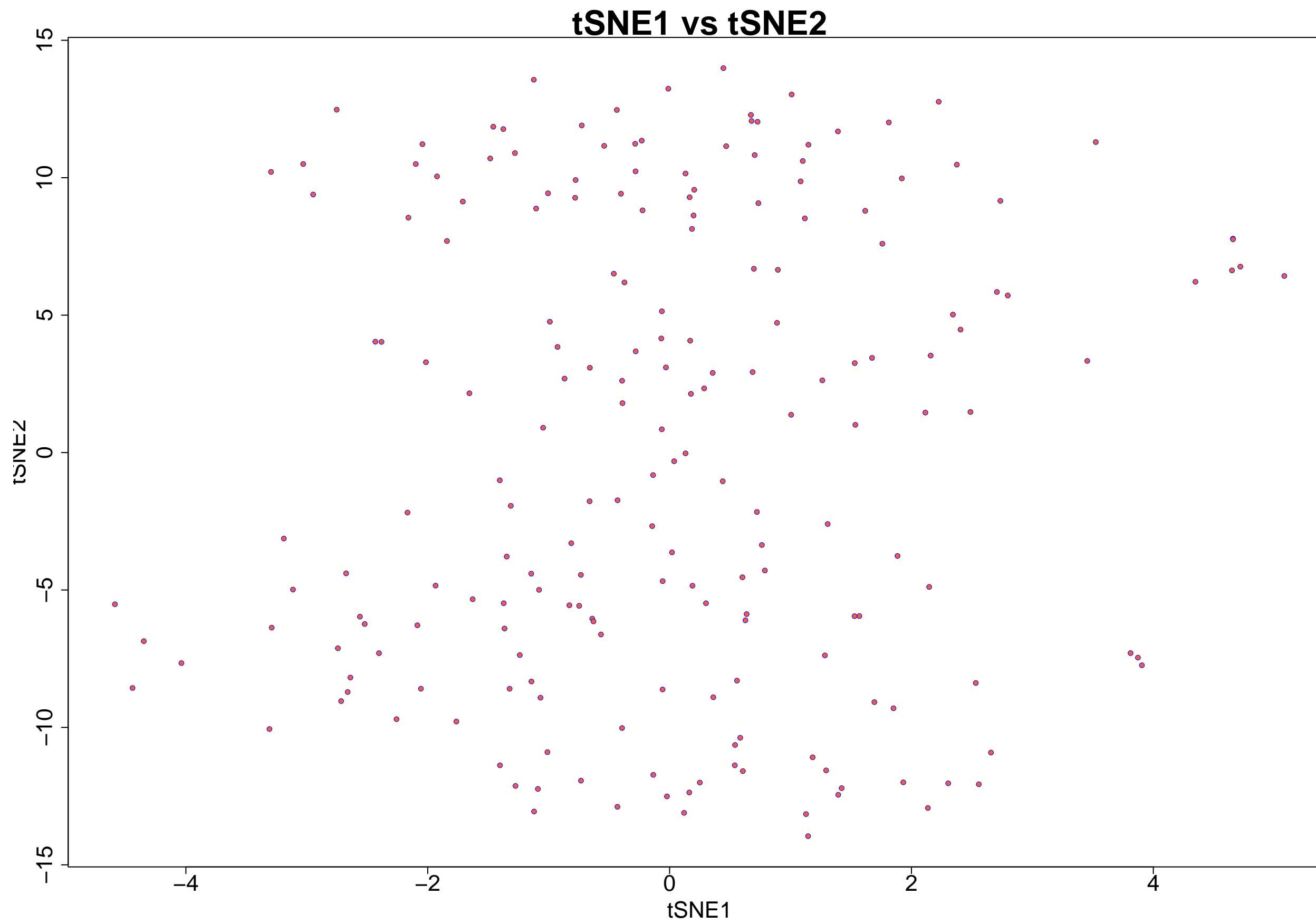




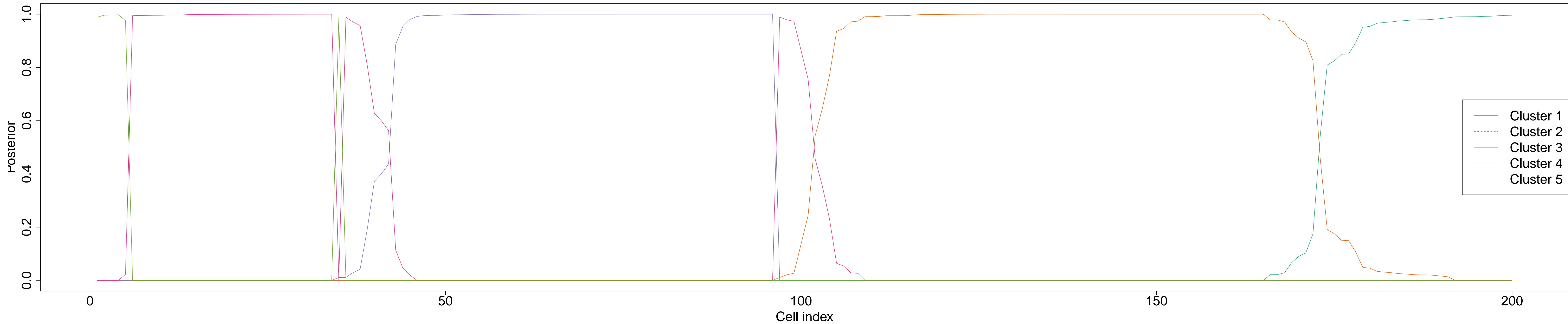
tSNE Trajectory plot

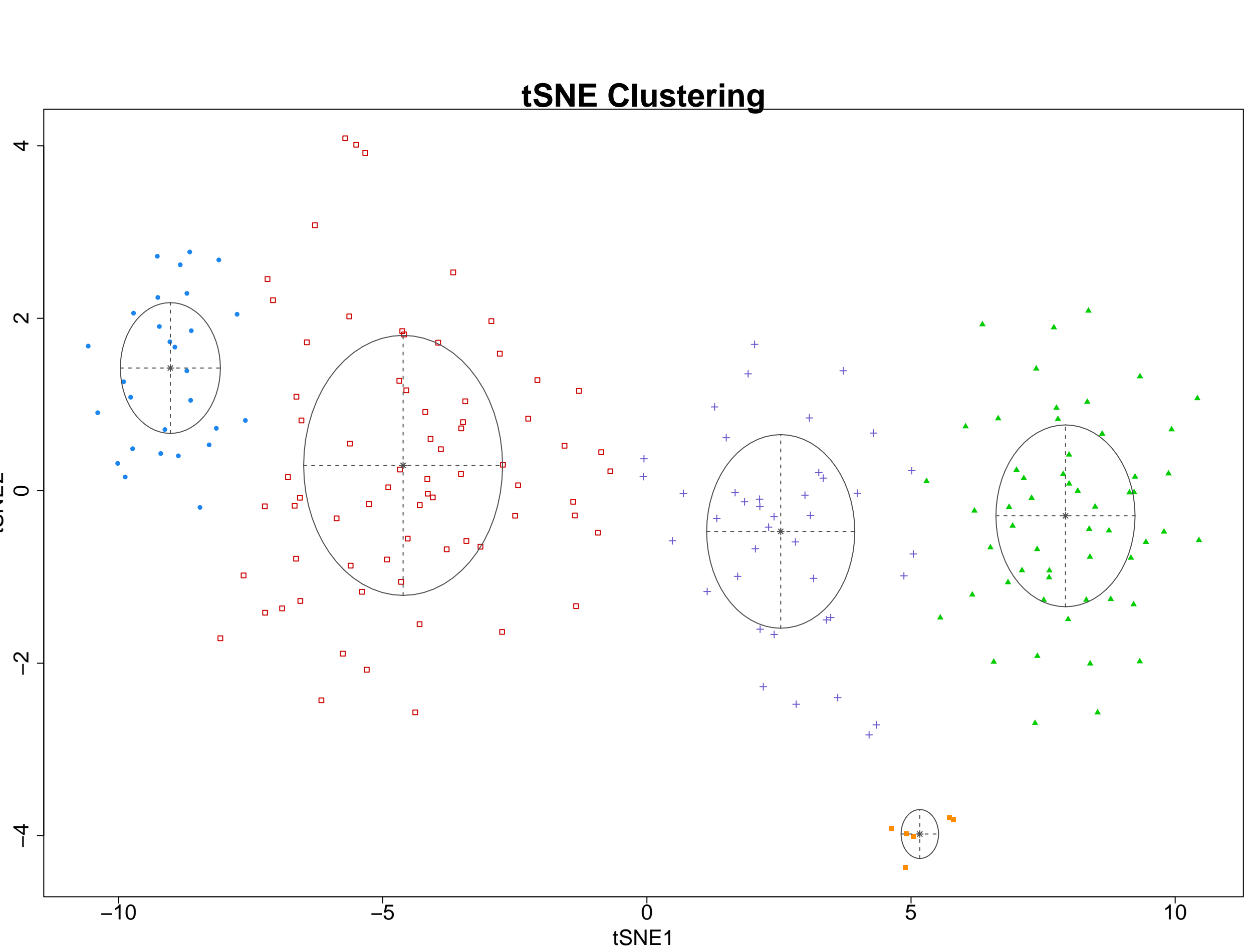
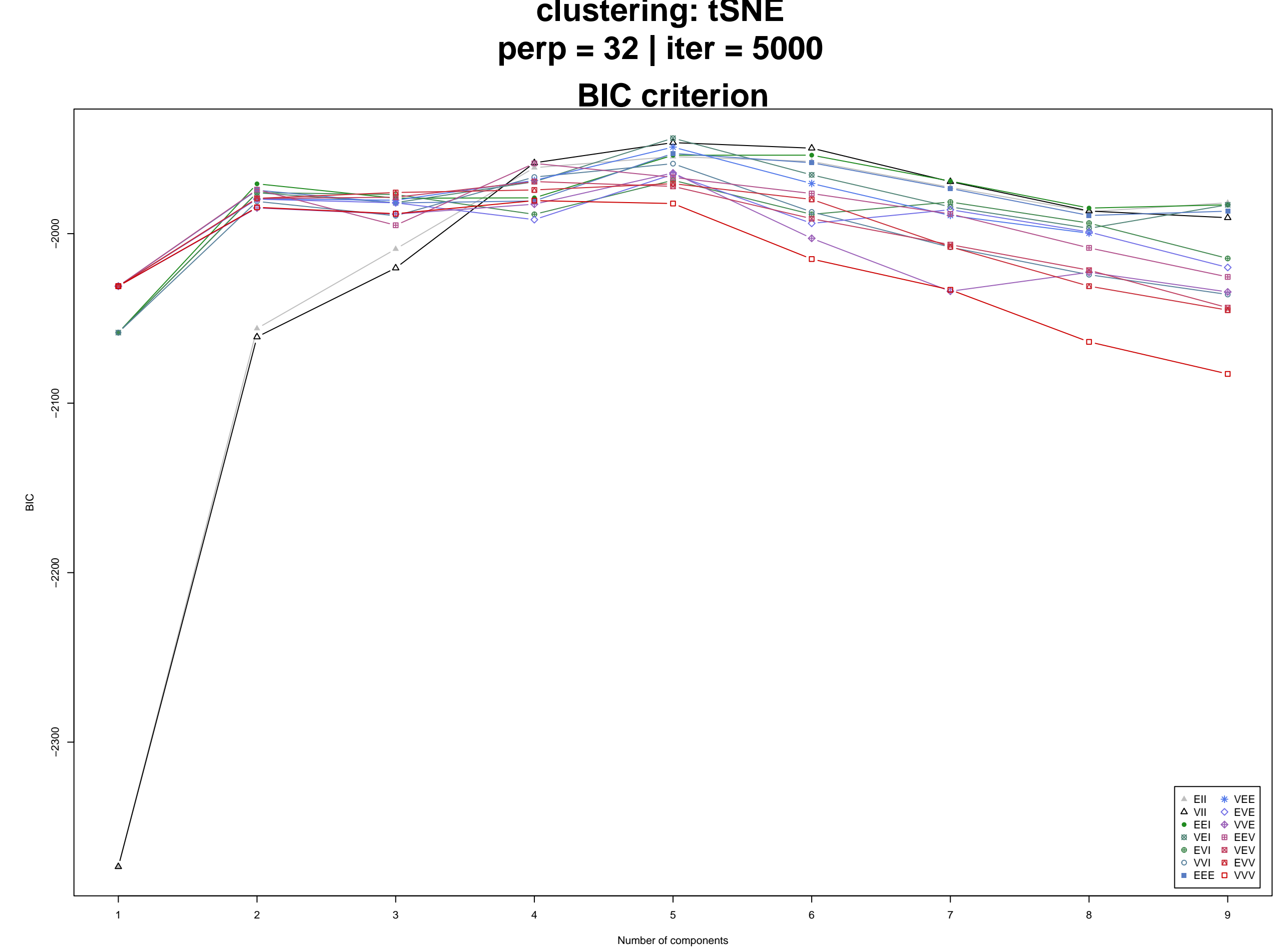
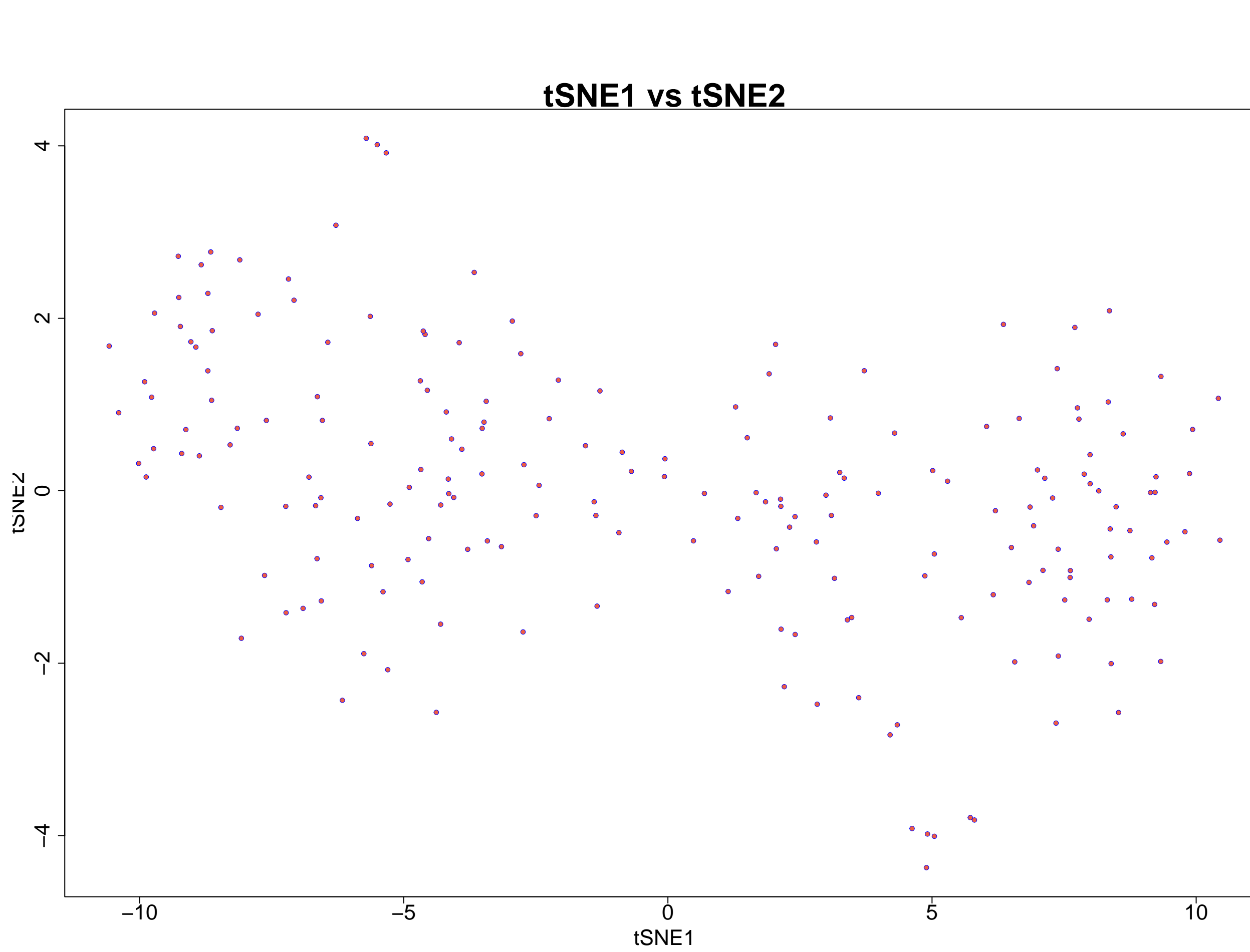


clustering: tSNE
perp = 23 | iter = 5000

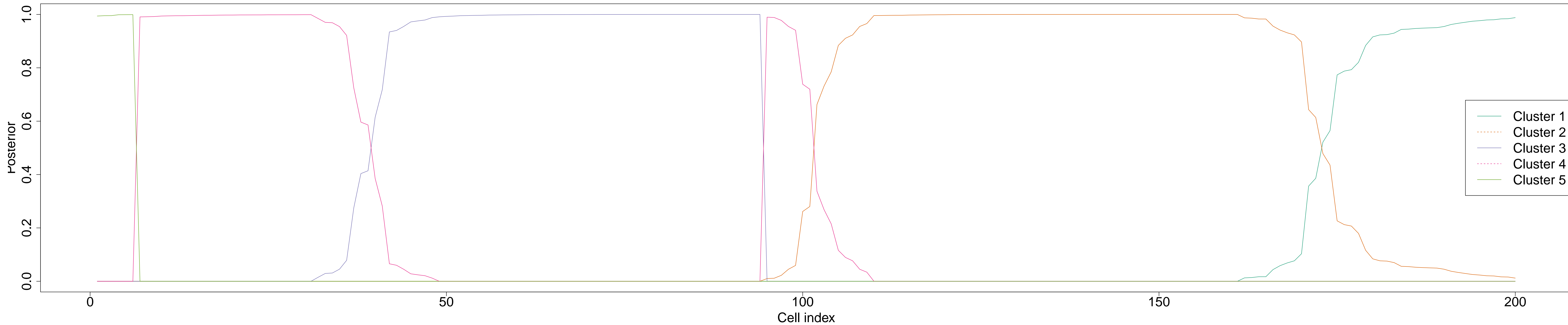


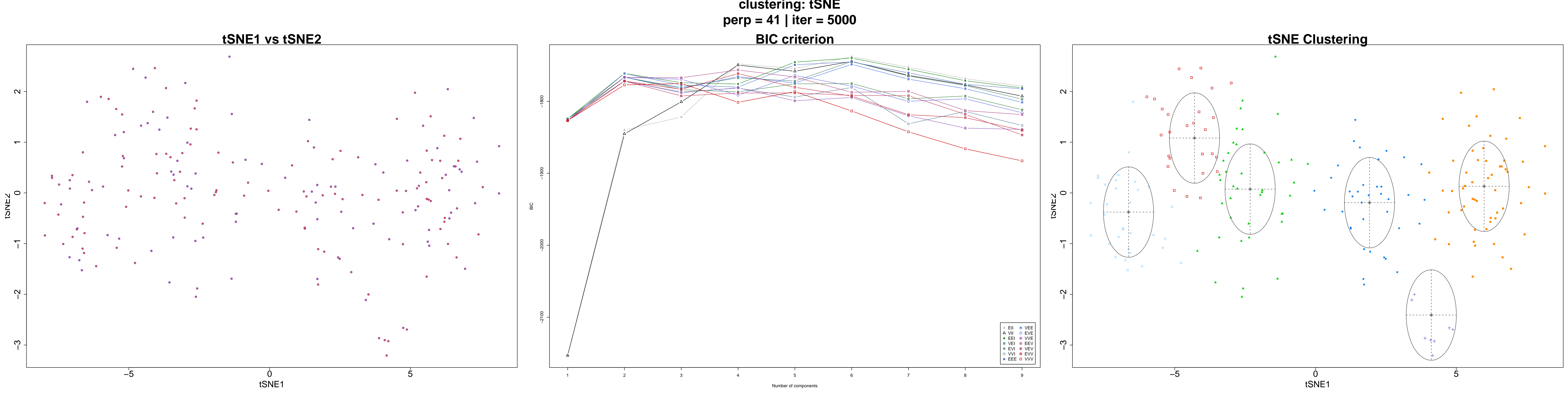
tSNE Trajectory plot



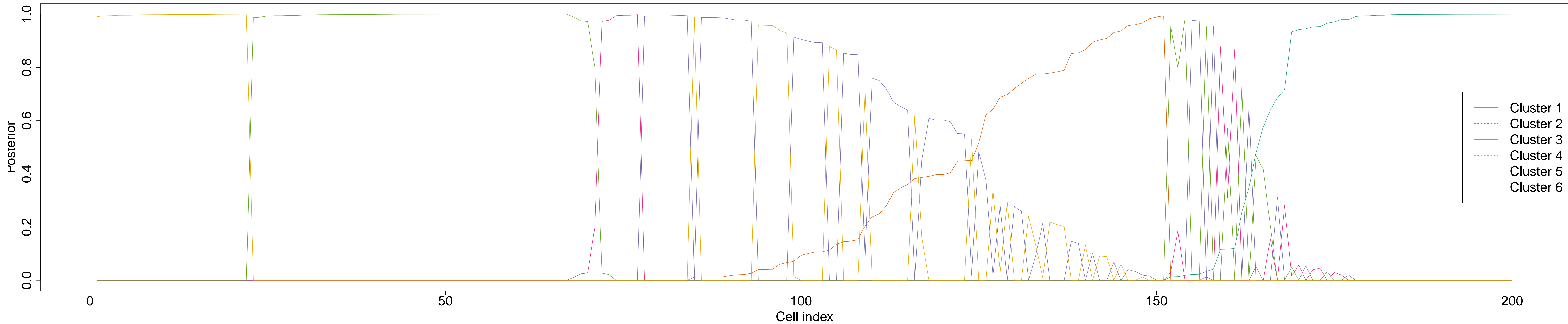


tSNE Trajectory plot

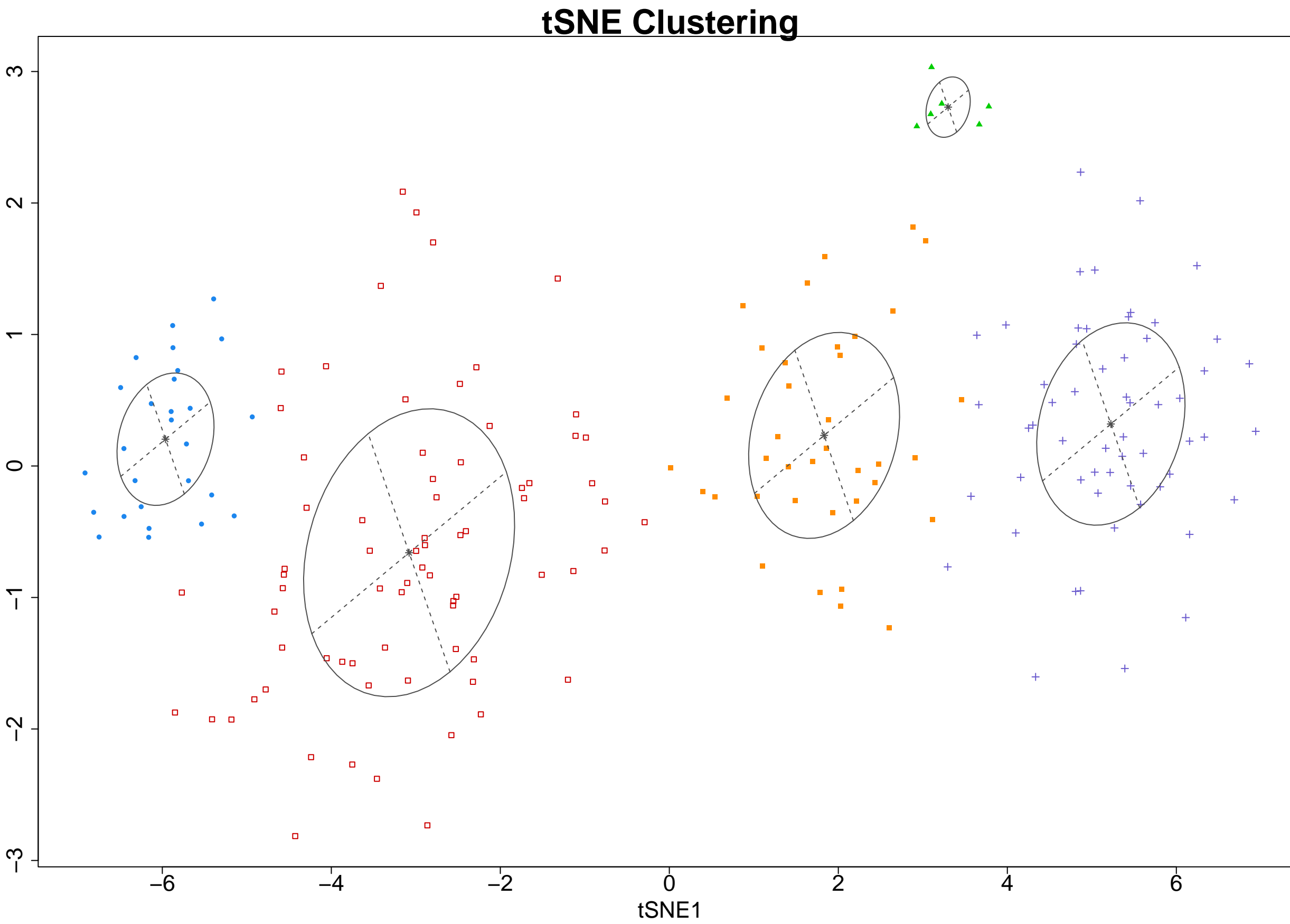
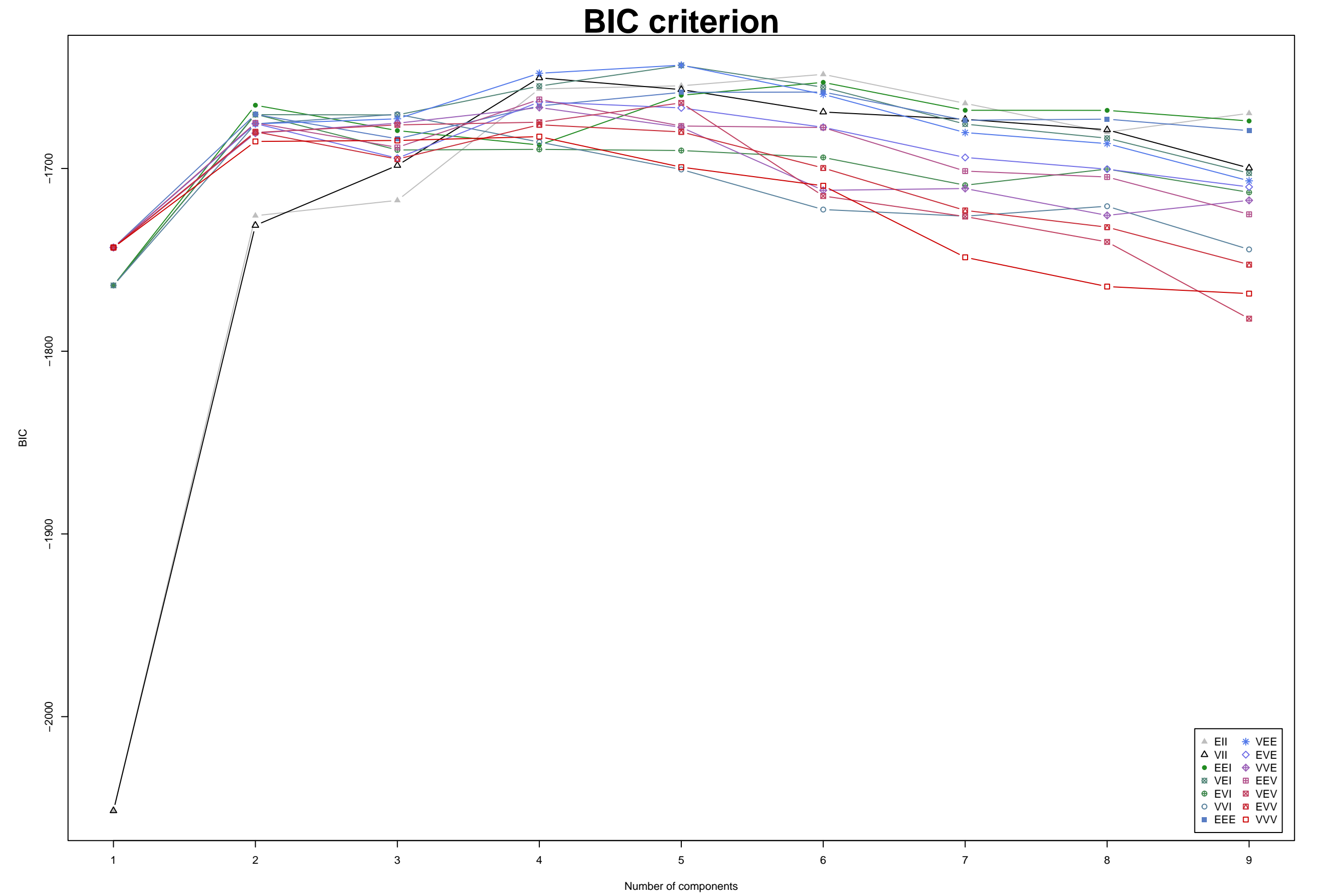
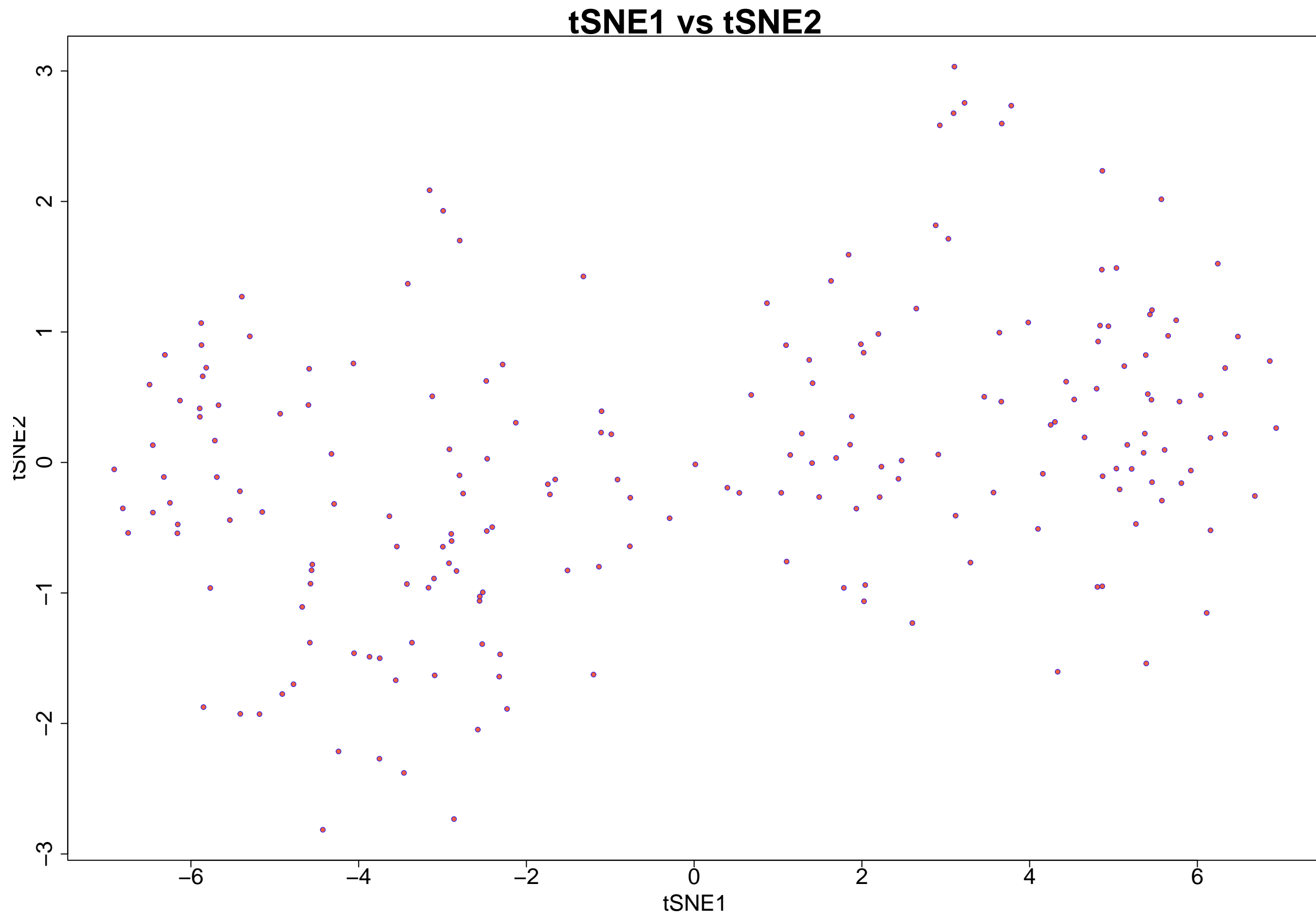




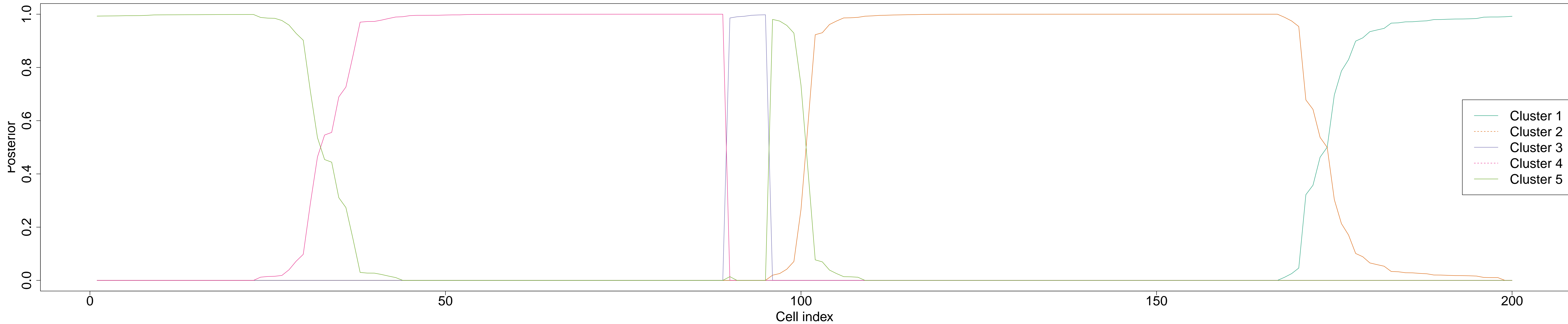
tSNE Trajectory plot

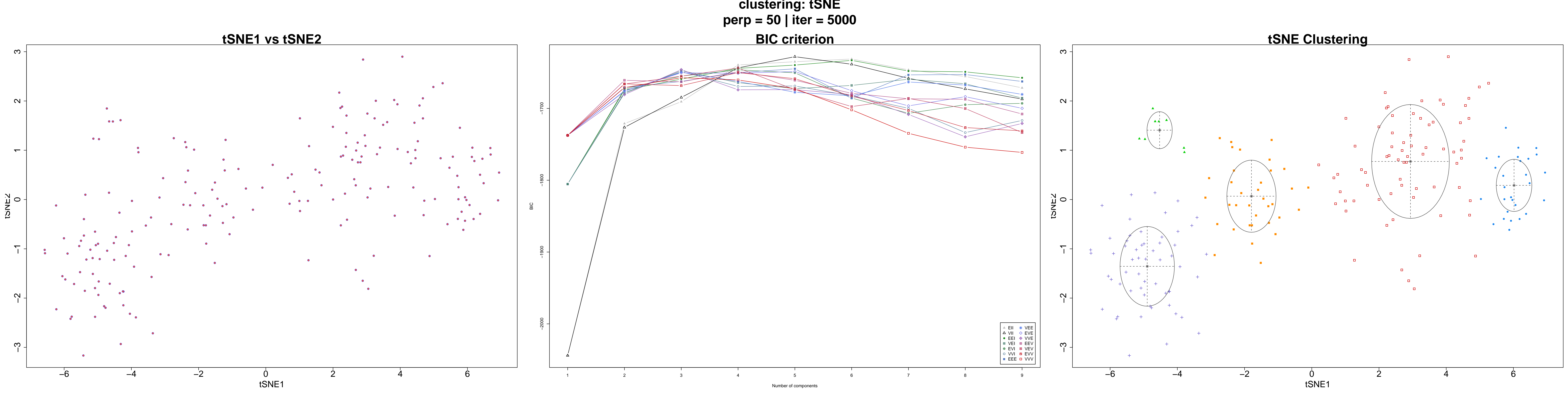


clustering: tSNE
perp = 50 | iter = 5000



tSNE Trajectory plot





tSNE Trajectory plot

