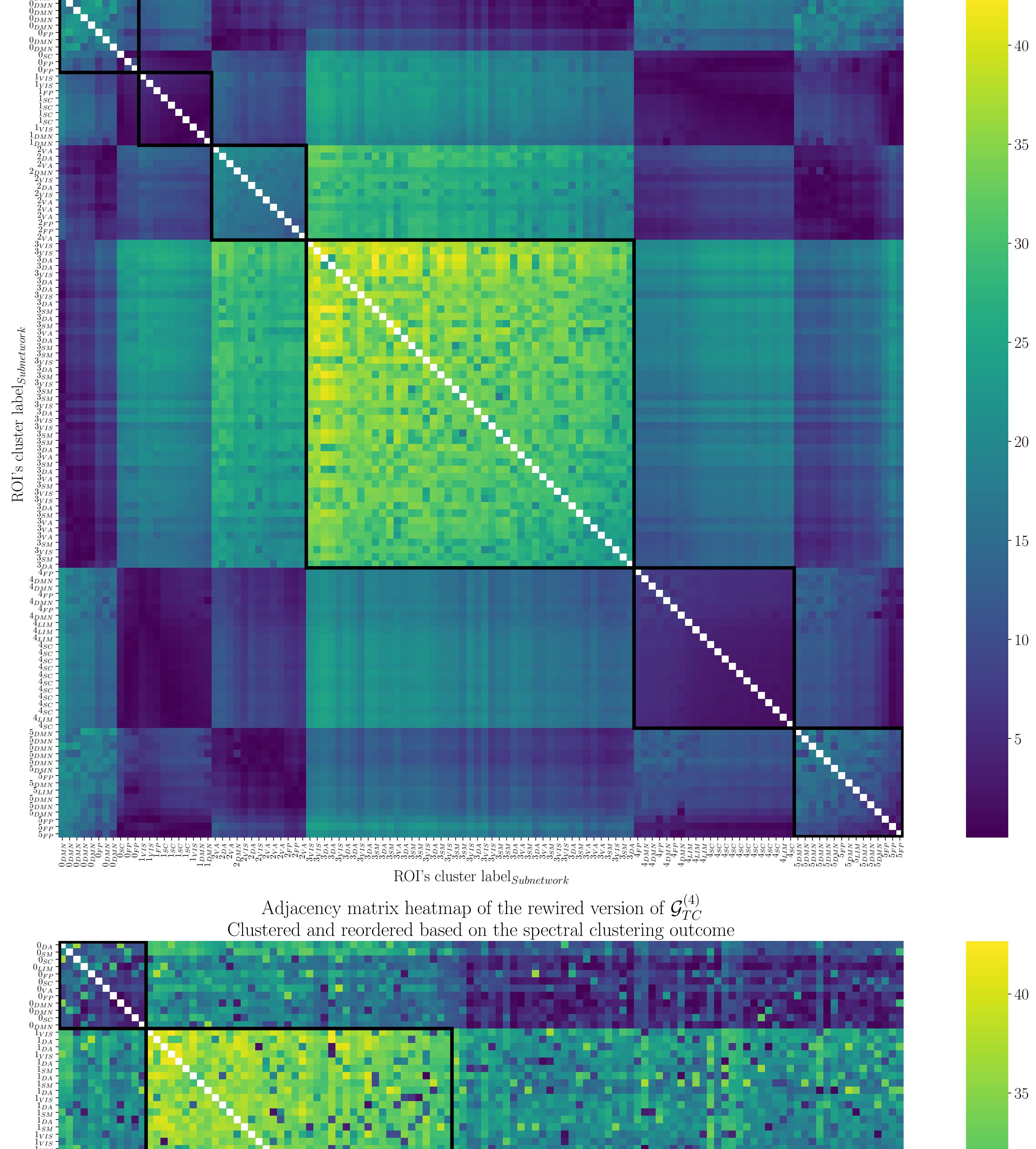
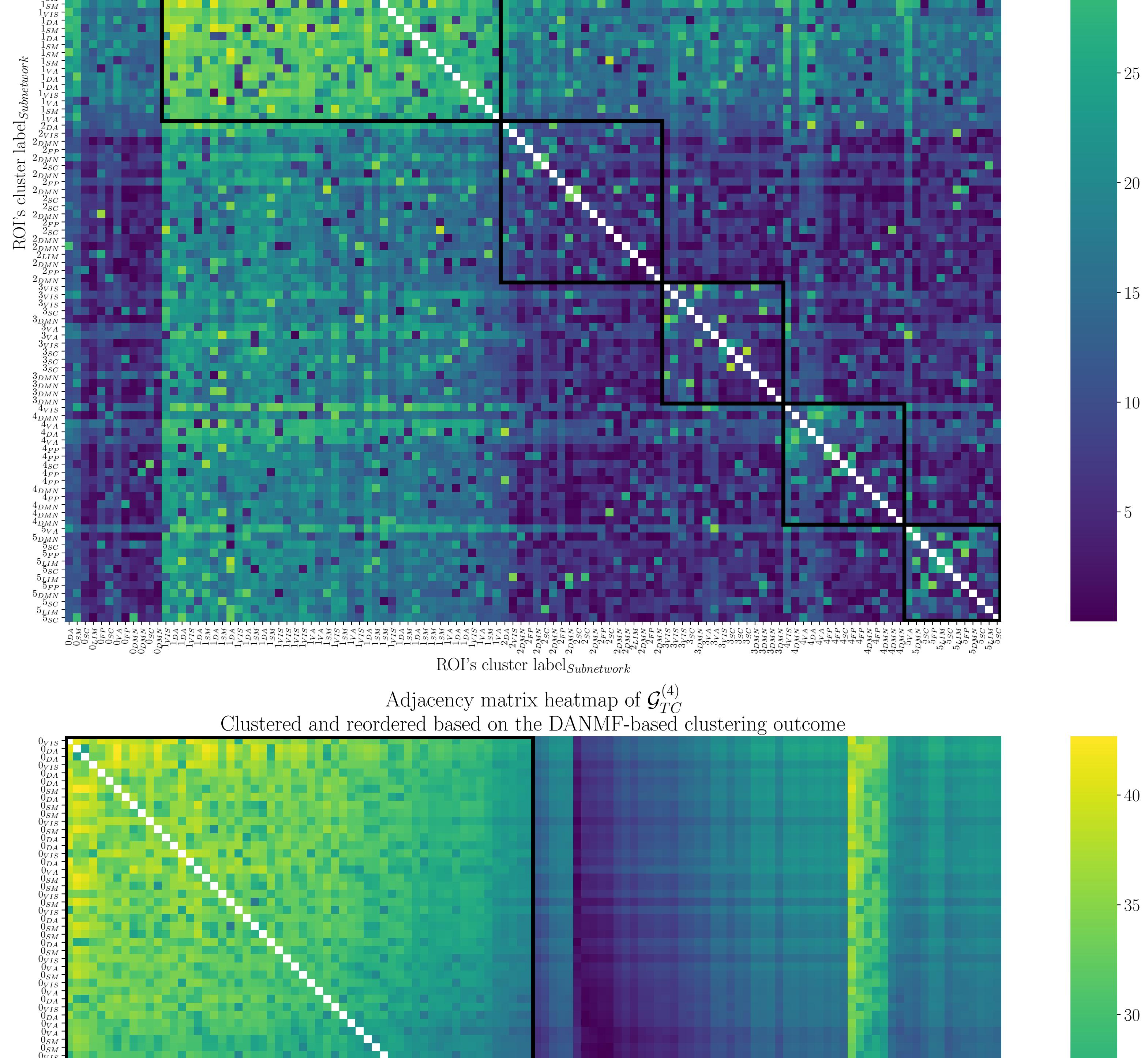


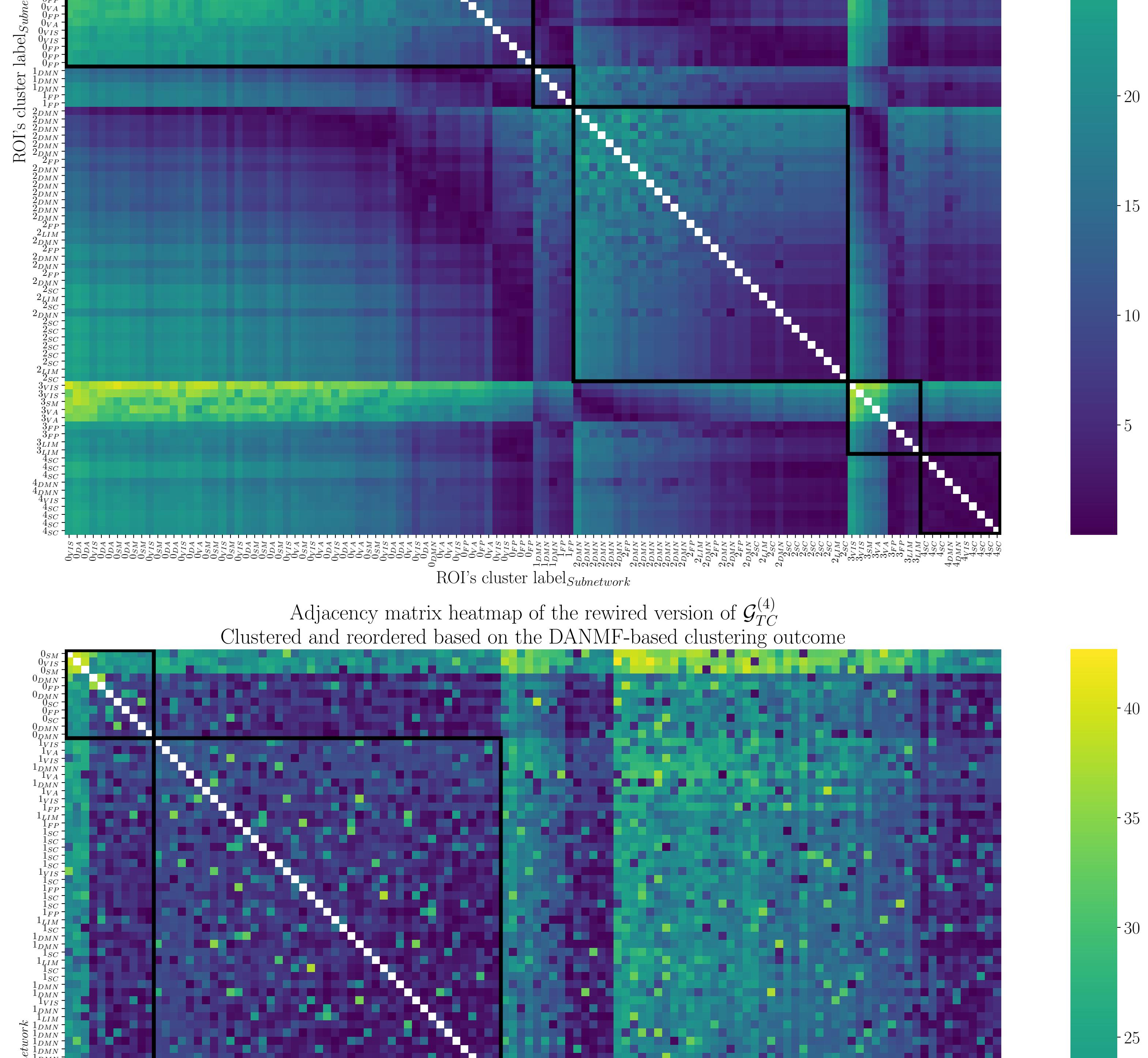
Adjacency matrix heatmap of  $\mathcal{G}_{TC}^{(4)}$   
Clustered and reordered based on the spectral clustering outcome



Adjacency matrix heatmap of the rewired version of  $\mathcal{G}_{TC}^{(4)}$   
Clustered and reordered based on the spectral clustering outcome



Adjacency matrix heatmap of  $\mathcal{G}_{TC}^{(4)}$   
Clustered and reordered based on the DANMF-based clustering outcome



Adjacency matrix heatmap of the rewired version of  $\mathcal{G}_{TC}^{(4)}$   
Clustered and reordered based on the DANMF-based clustering outcome

