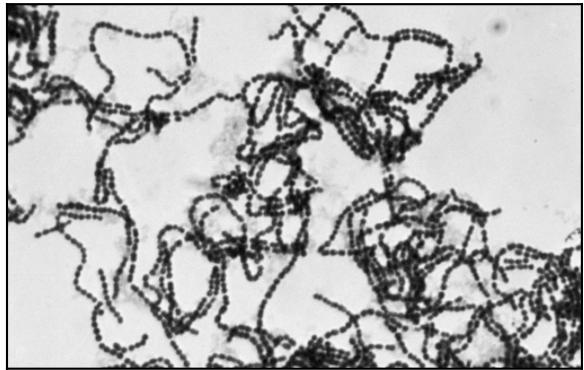
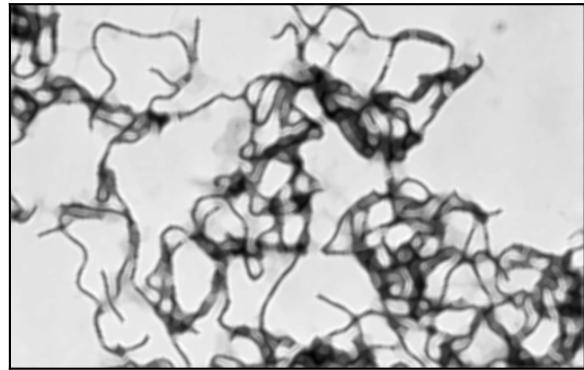


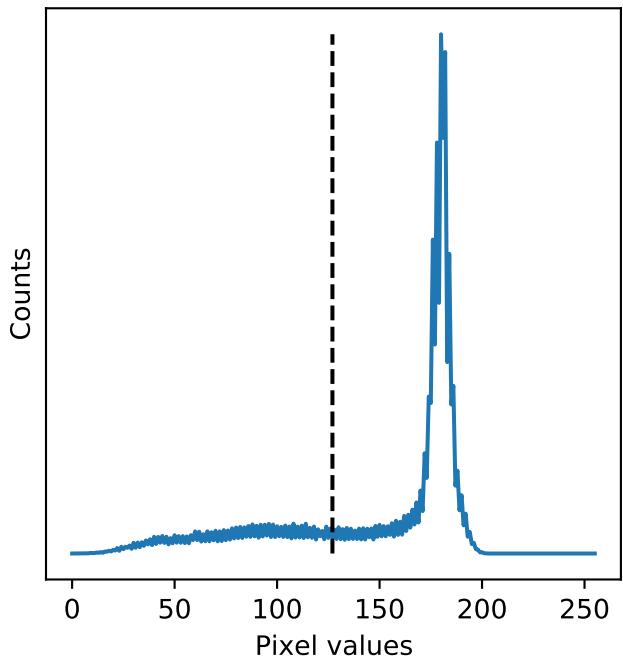
Original Image



Processed Image



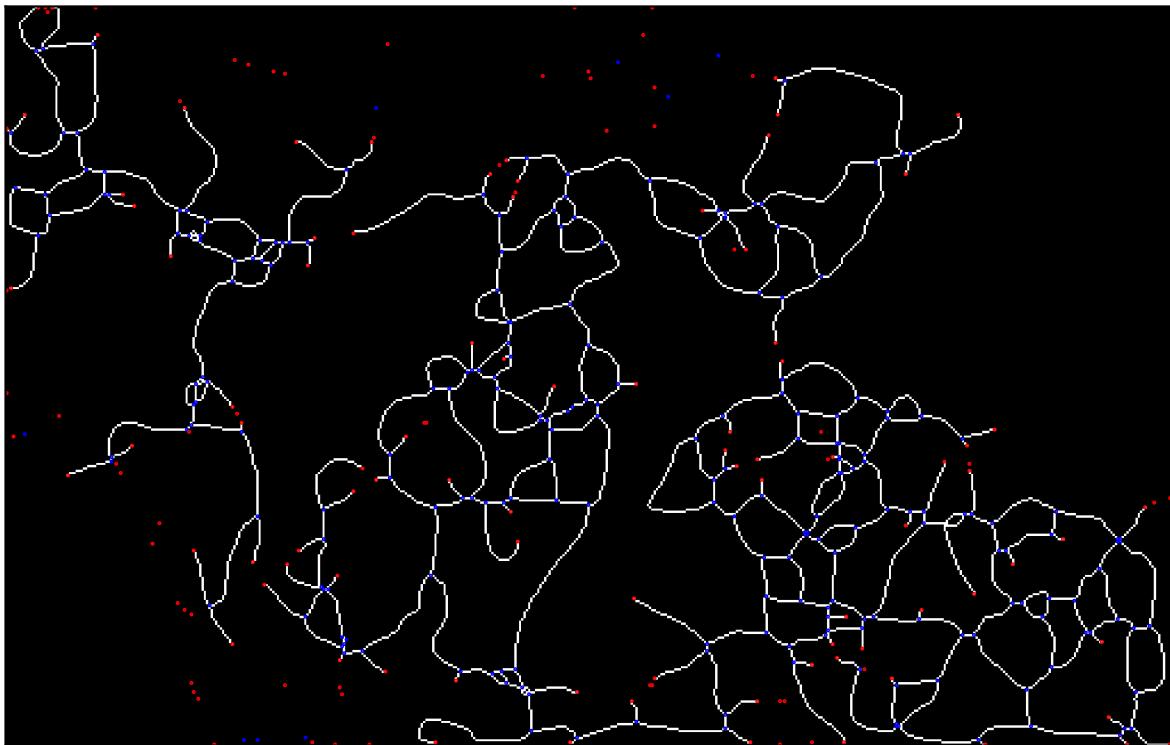
Histogram of Processed Image



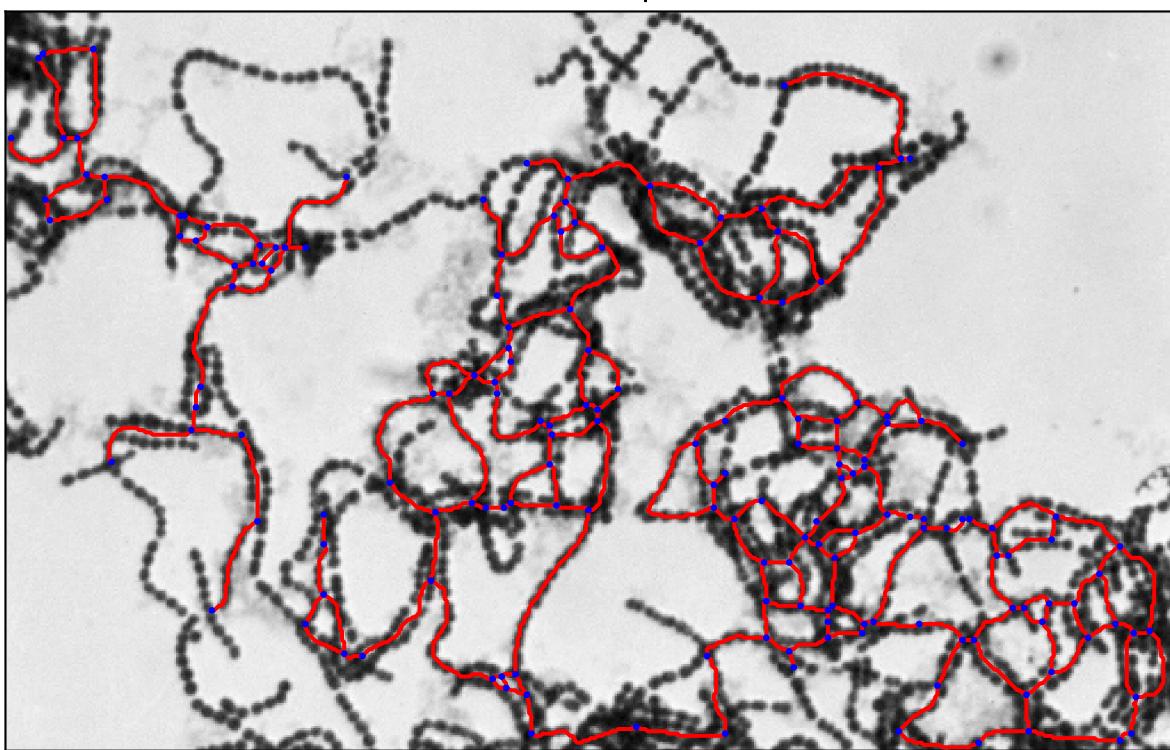
Binary Image



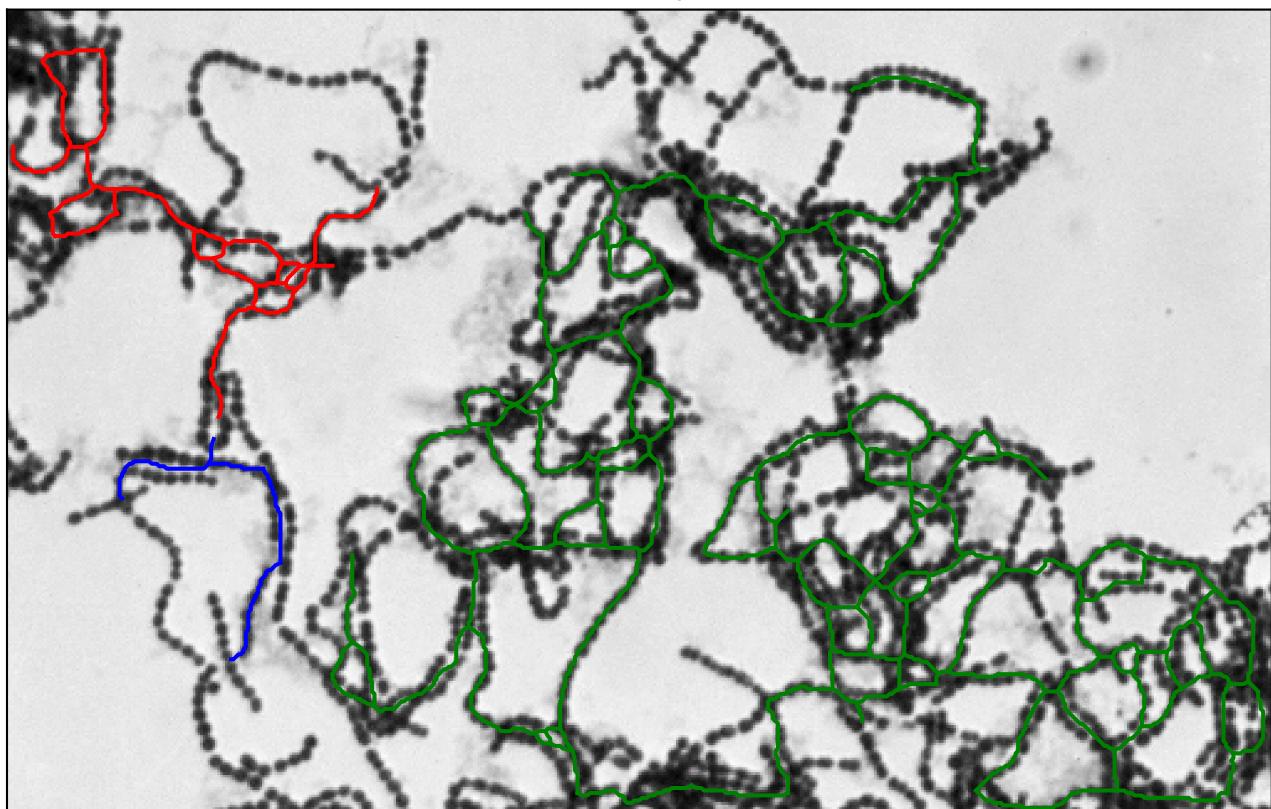
Skeletal Image



Final Graph



Sub Graphs

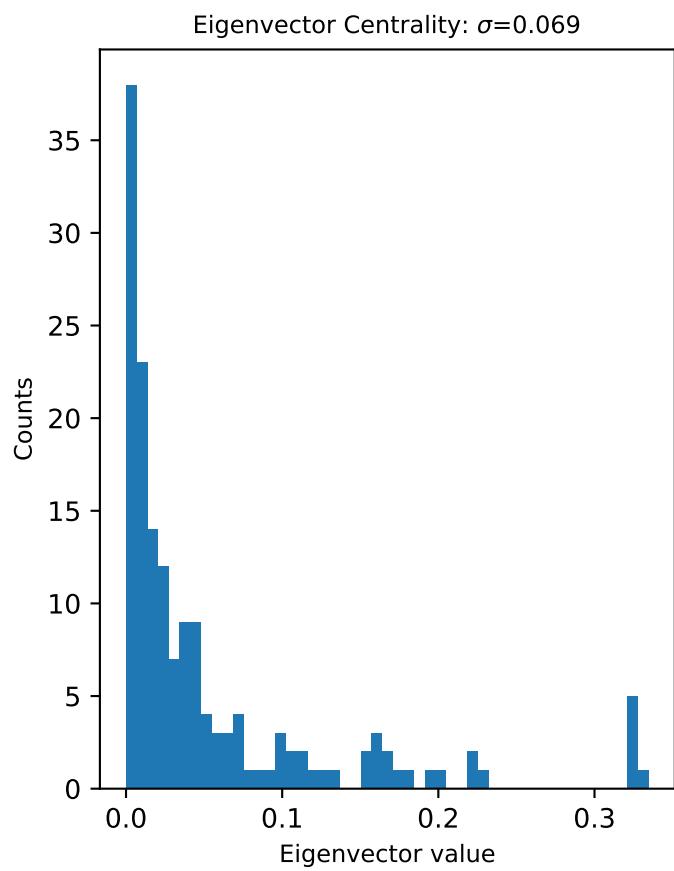
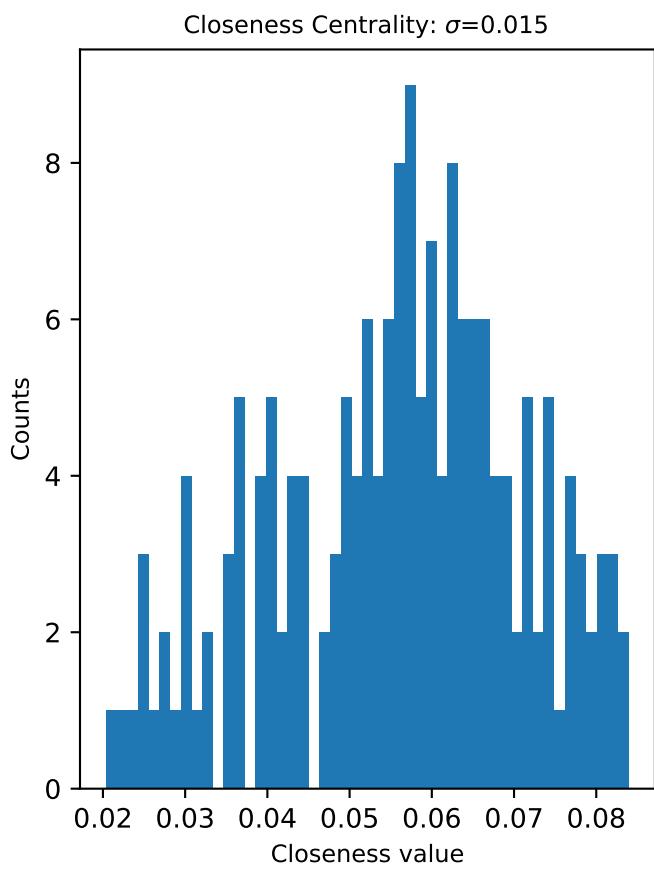
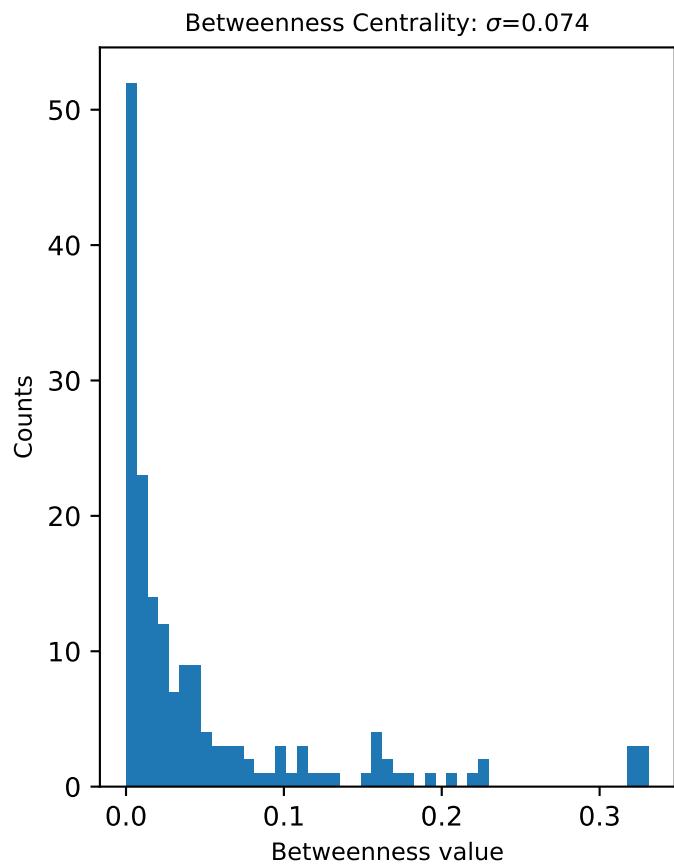
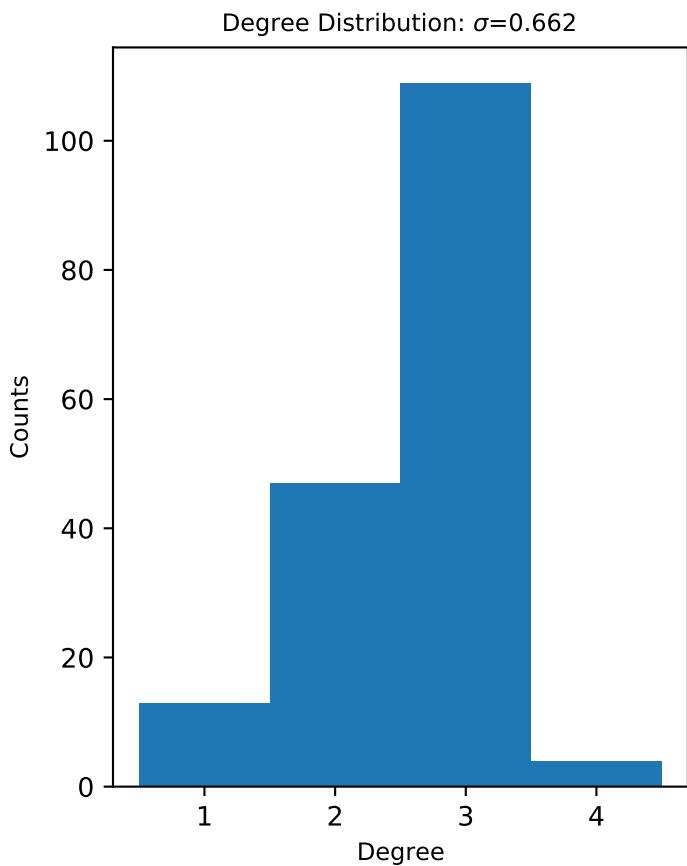


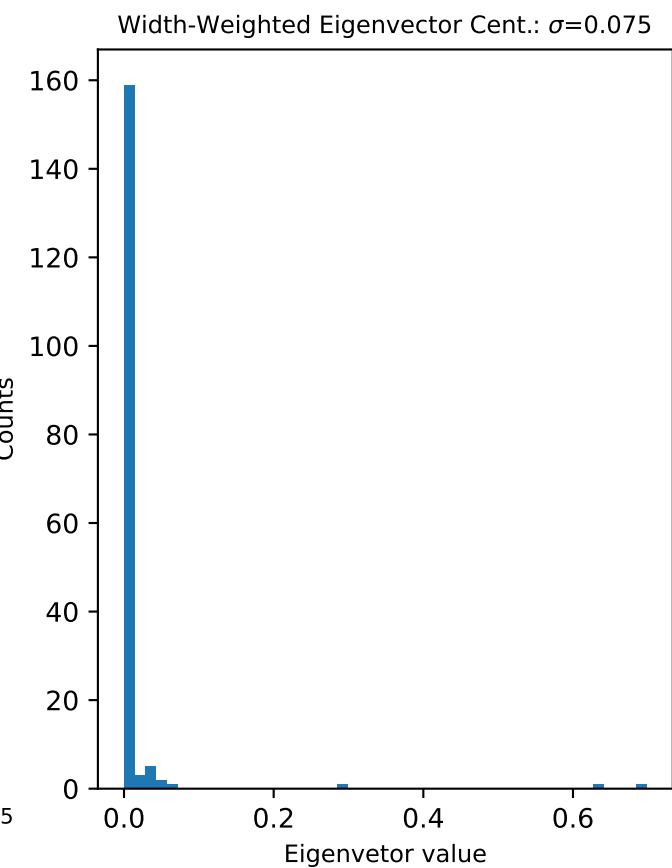
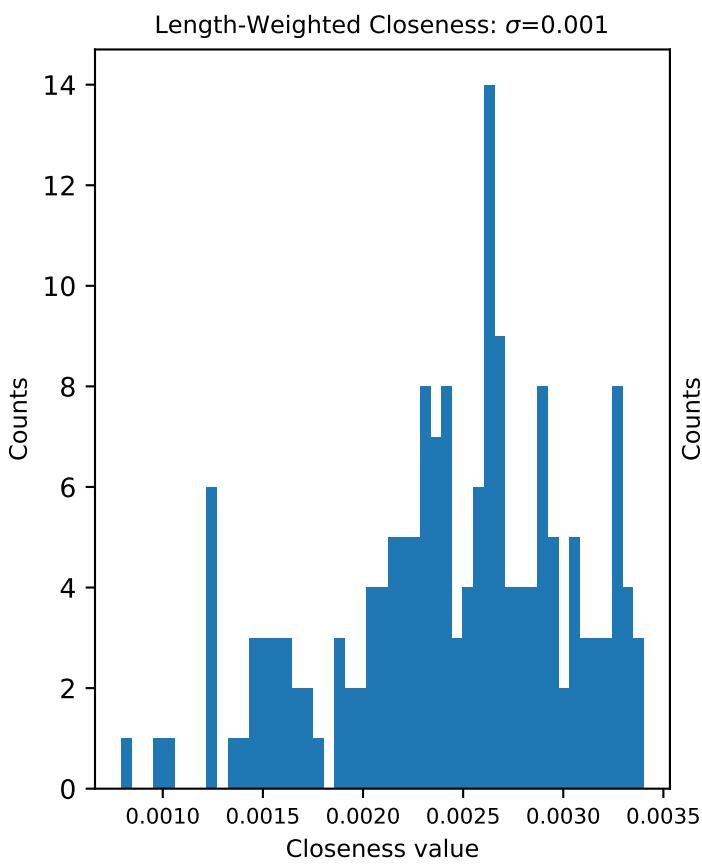
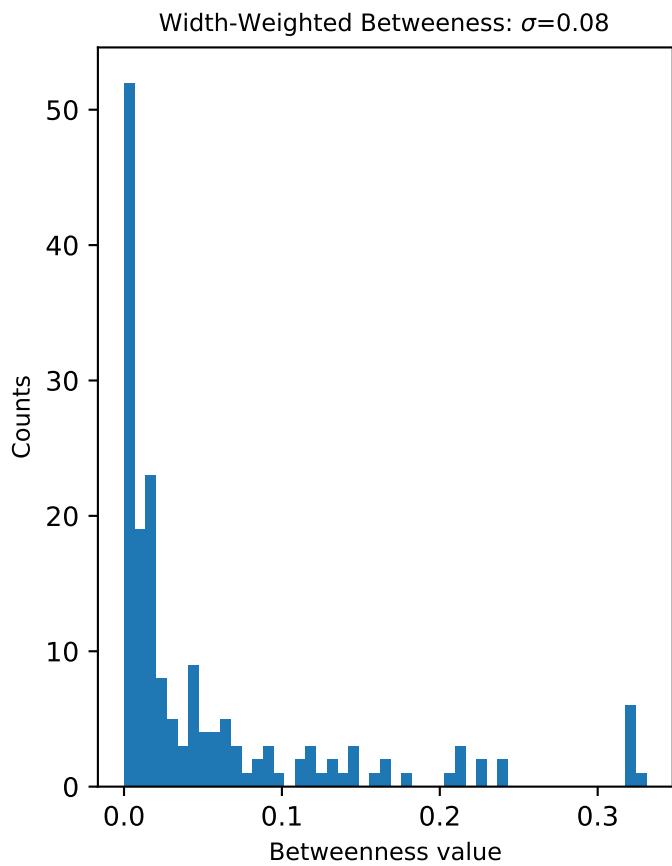
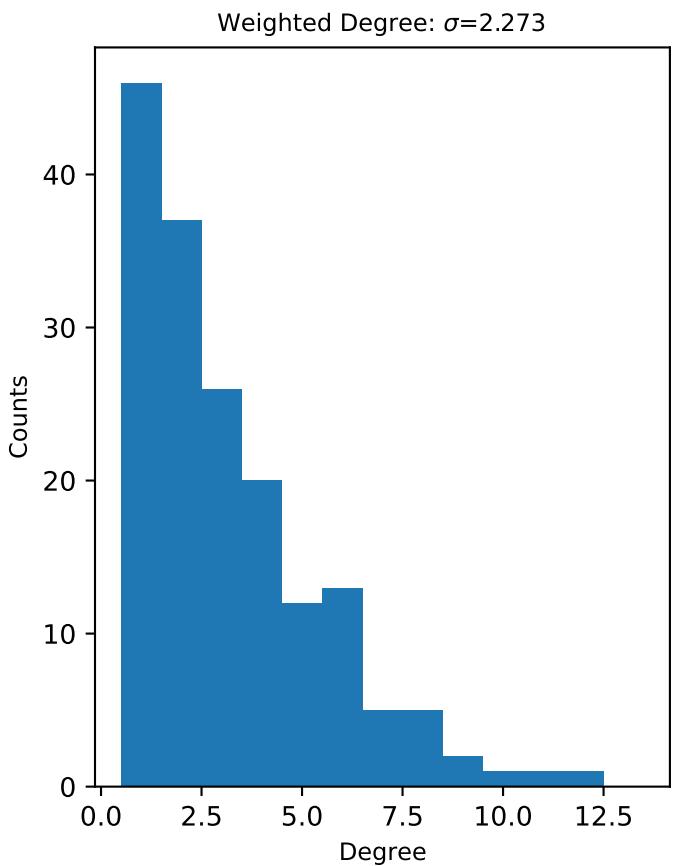
Unweighted GT parameters

| | |
|--------------------------------|-----------------------|
| Number of nodes | 173 |
| Number of edges | 225 |
| Average degree | 2.60116 |
| Network diameter | NaN |
| Graph density | 0.01512 |
| Global efficiency | 0.09515 |
| Wiener Index | inf |
| Average clustering coefficient | 0.07225 |
| Average nodal connectivity | NaN |
| Assortativity coefficient | 0.04323 |
| Average betweenness centrality | 0.04932 |
| Average closeness centrality | 0.05599 |
| Average eigenvector centrality | 0.03327 |
| Subgraph Count | 3 |
| Large Subgraph Node Count | 140 |
| Large Subgraph Edge Count | 184 |
| Small Subgraph Node Count | 6 |
| Small Subgraph Edge Count | 5 |
| Graph Conductance (max) | 0.035752791168084365 |
| Graph Conductance (min) | 0.0003195655190771628 |

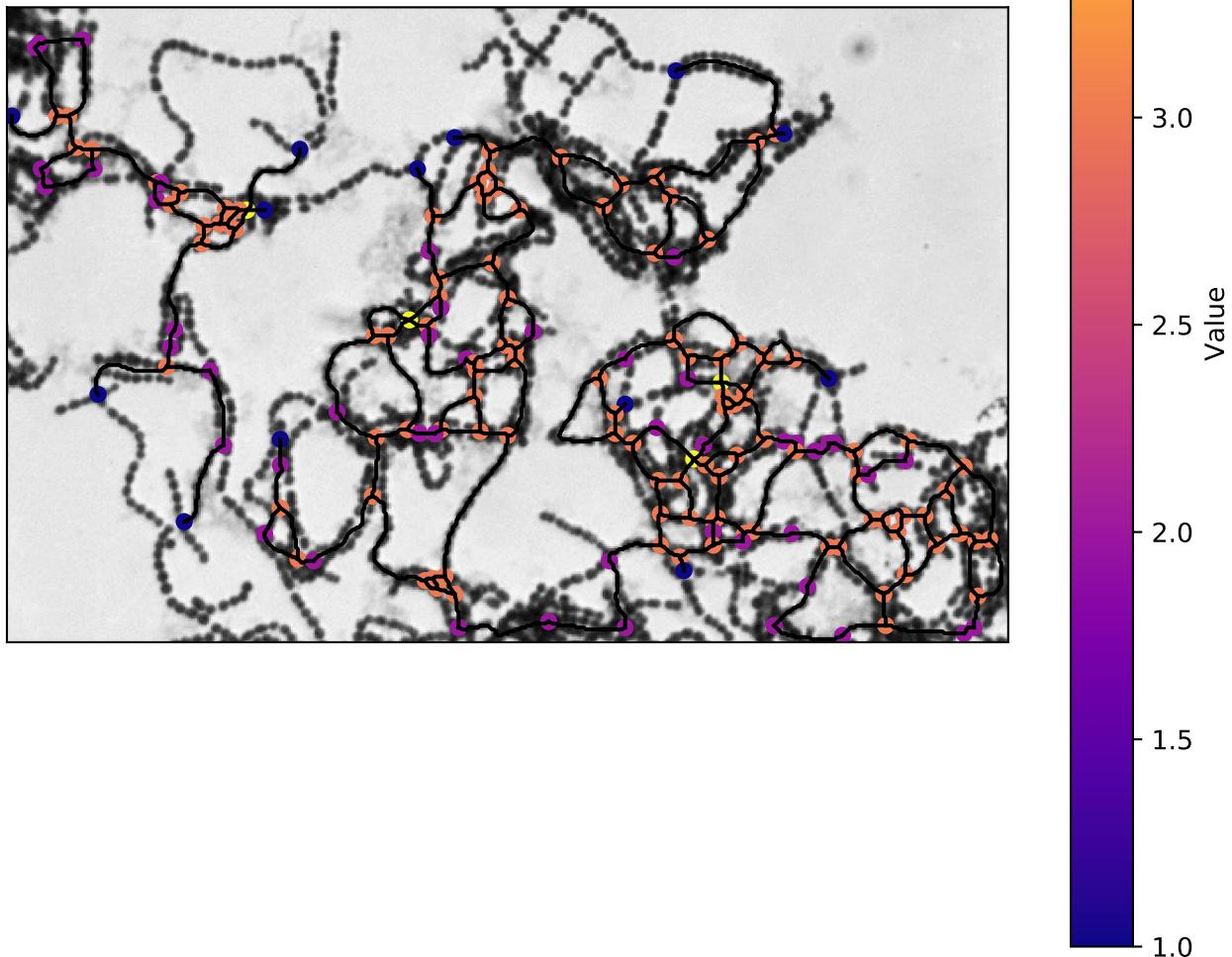
Weighted GT Parameters

| | |
|---|---------|
| Weighted average degree | 3.1168 |
| Length-weighted Wiener Index | inf |
| Max flow between periphery | NaN |
| Weighted assortativity coefficient | 0.45536 |
| Width-weighted average betweenness centrality | 0.05394 |
| Length-weighted average closeness centrality | 0.00244 |
| Width-weighted average eigenvector centrality | 0.01192 |

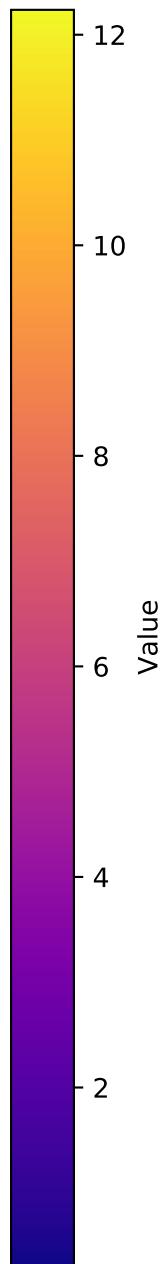
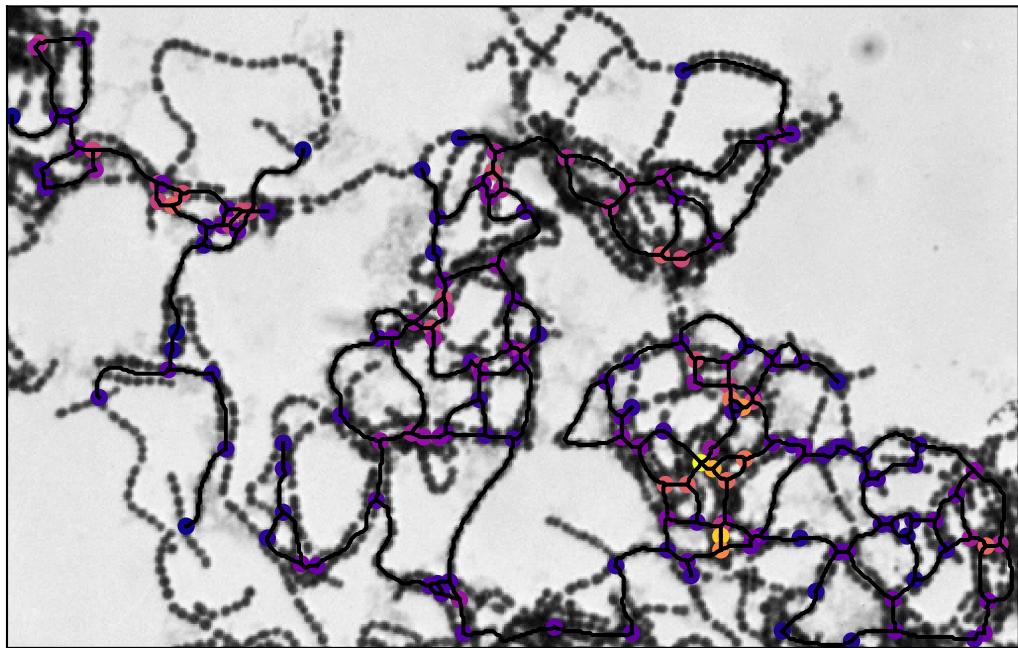




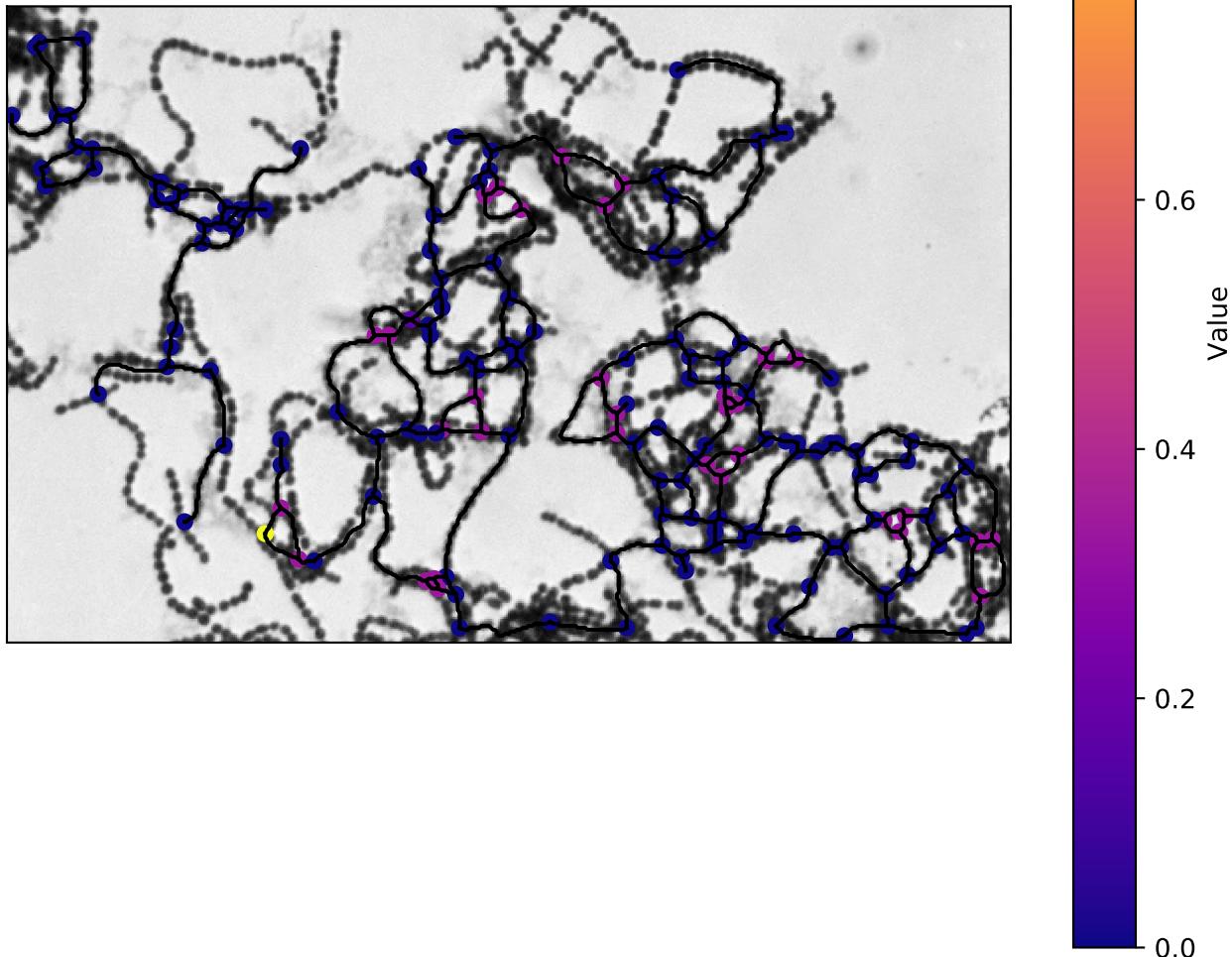
Degree Heatmap



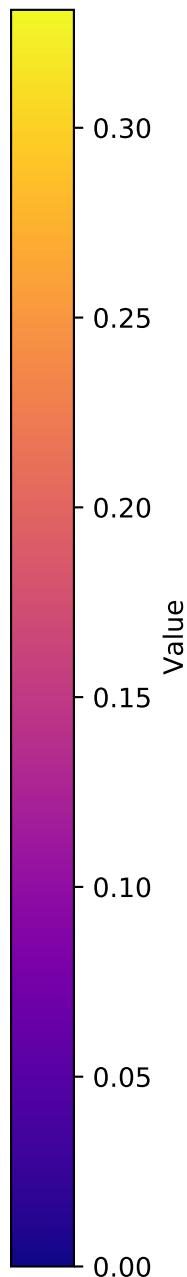
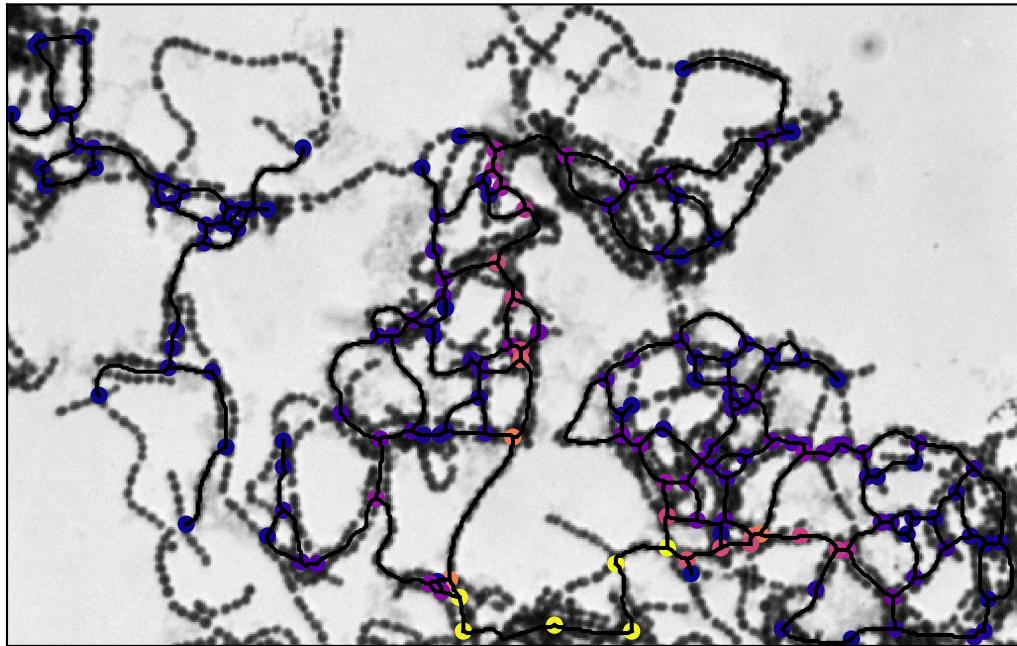
Weighted Degree Heatmap



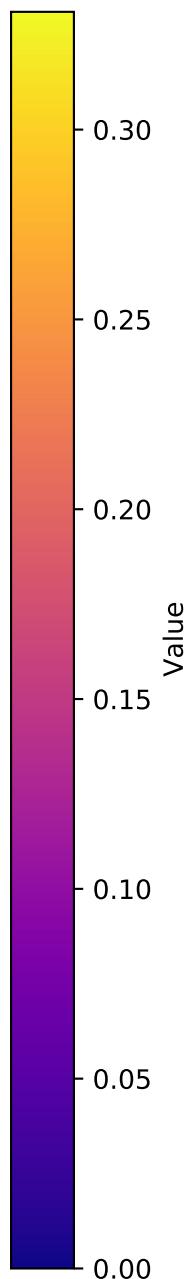
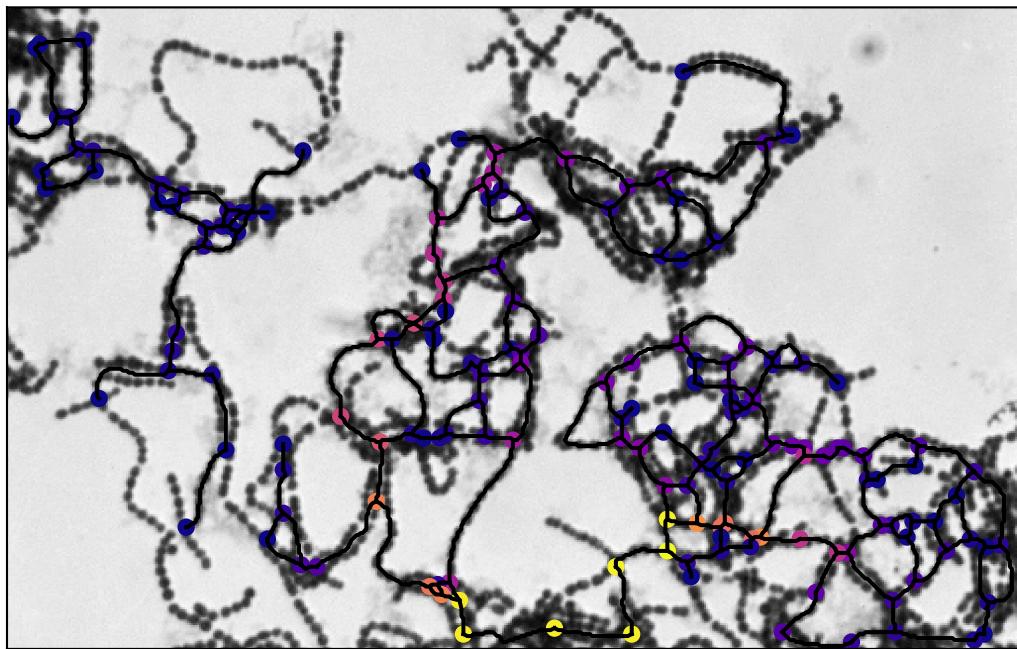
Clustering Coefficient Heatmap



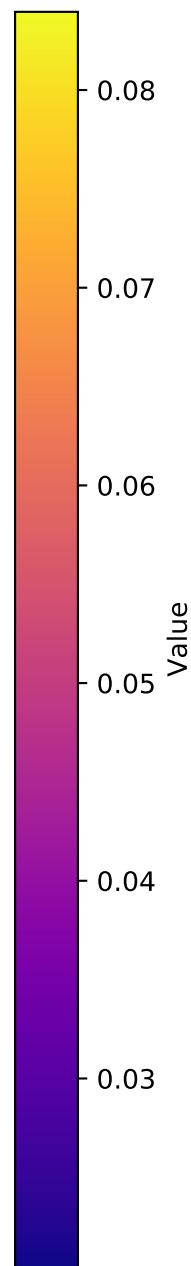
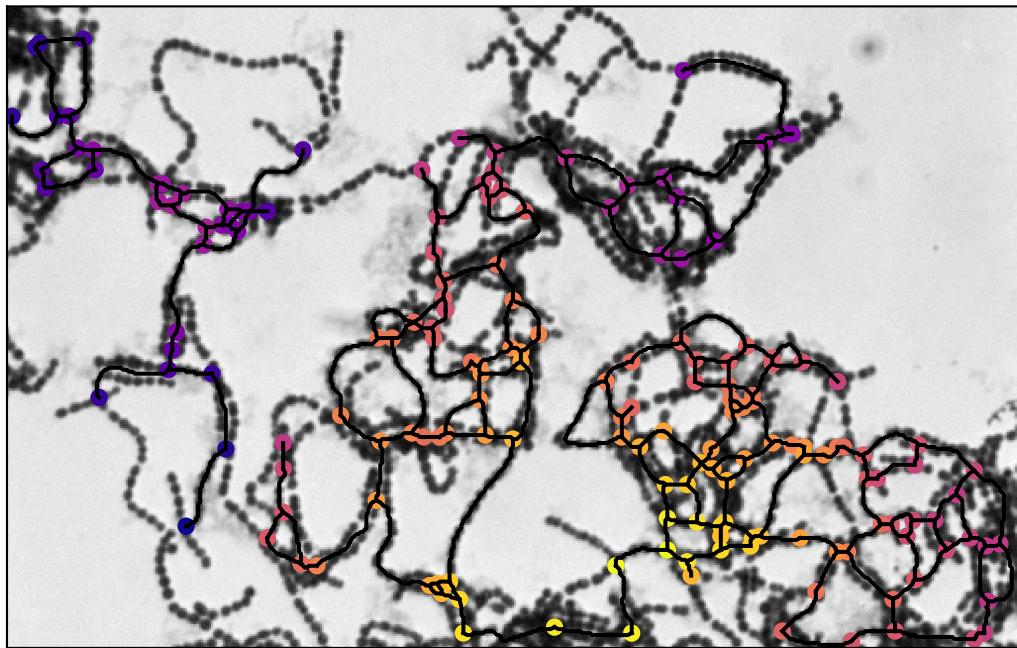
Betweenness Centrality Heatmap



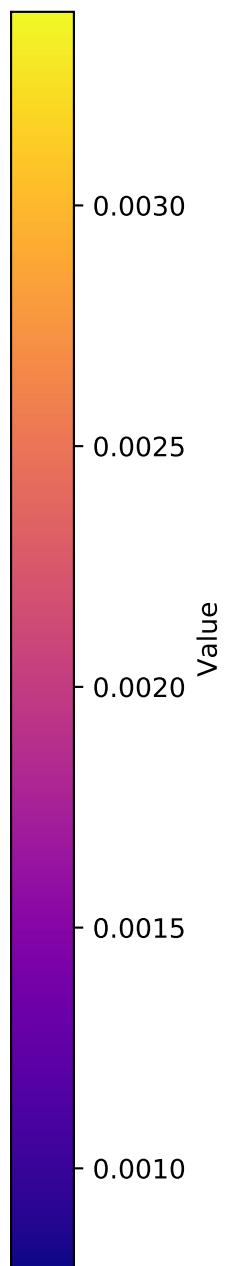
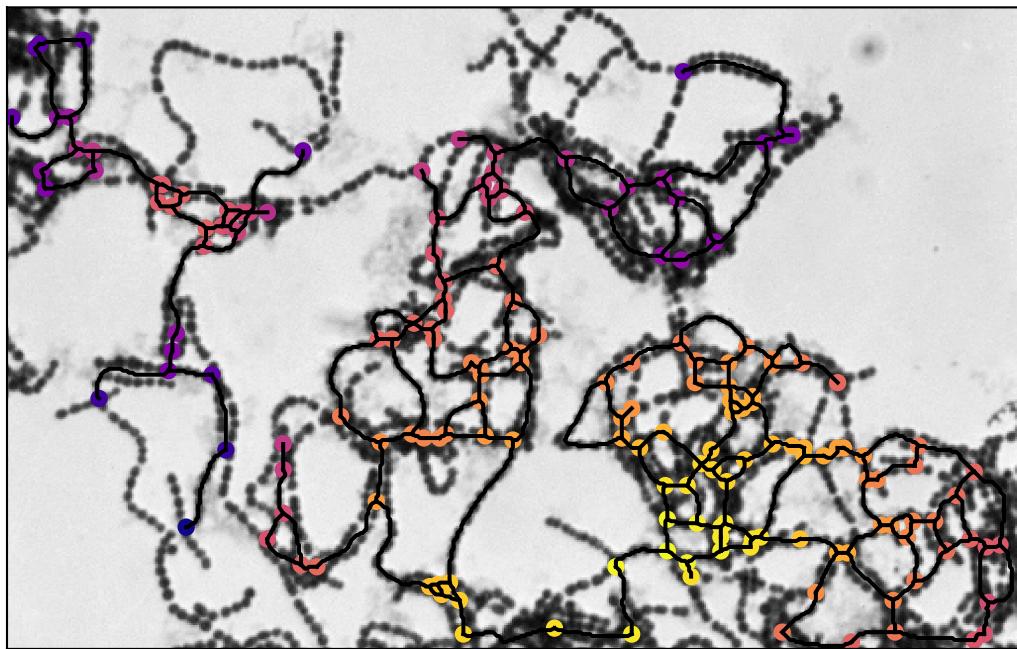
Width-Weighted Betweenness Centrality Heatmap



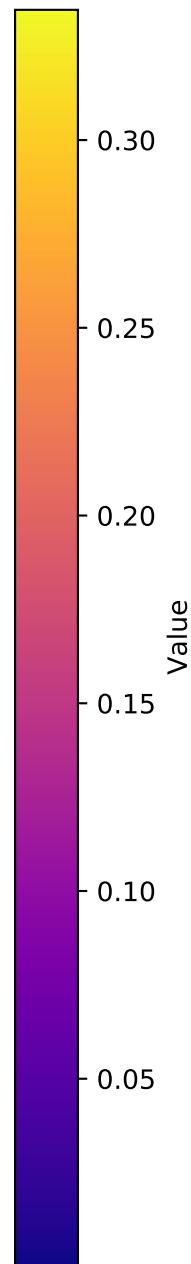
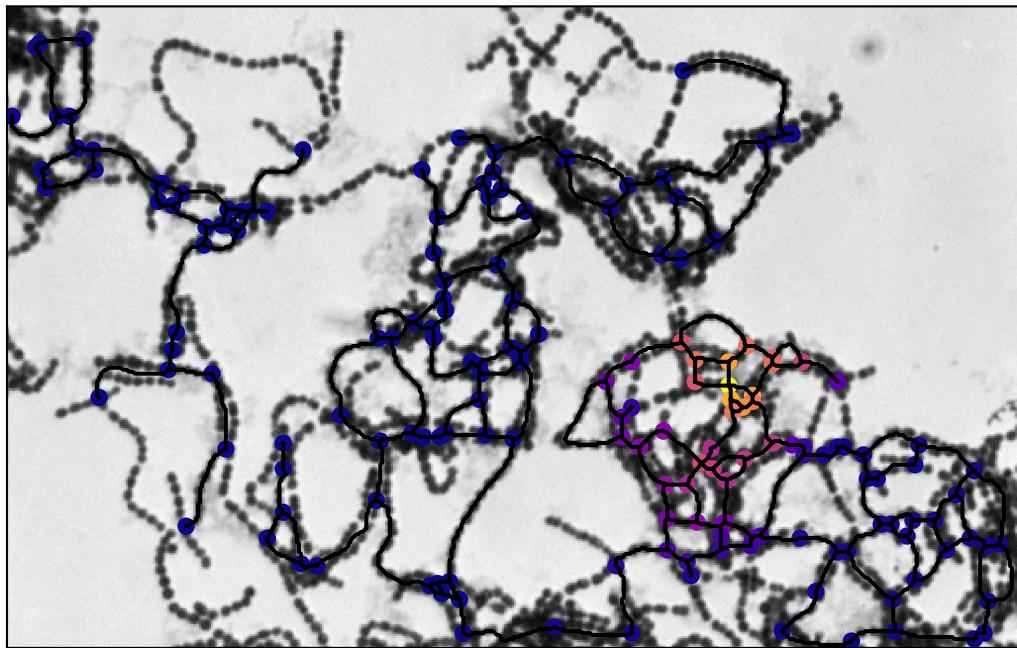
Closeness Centrality Heatmap



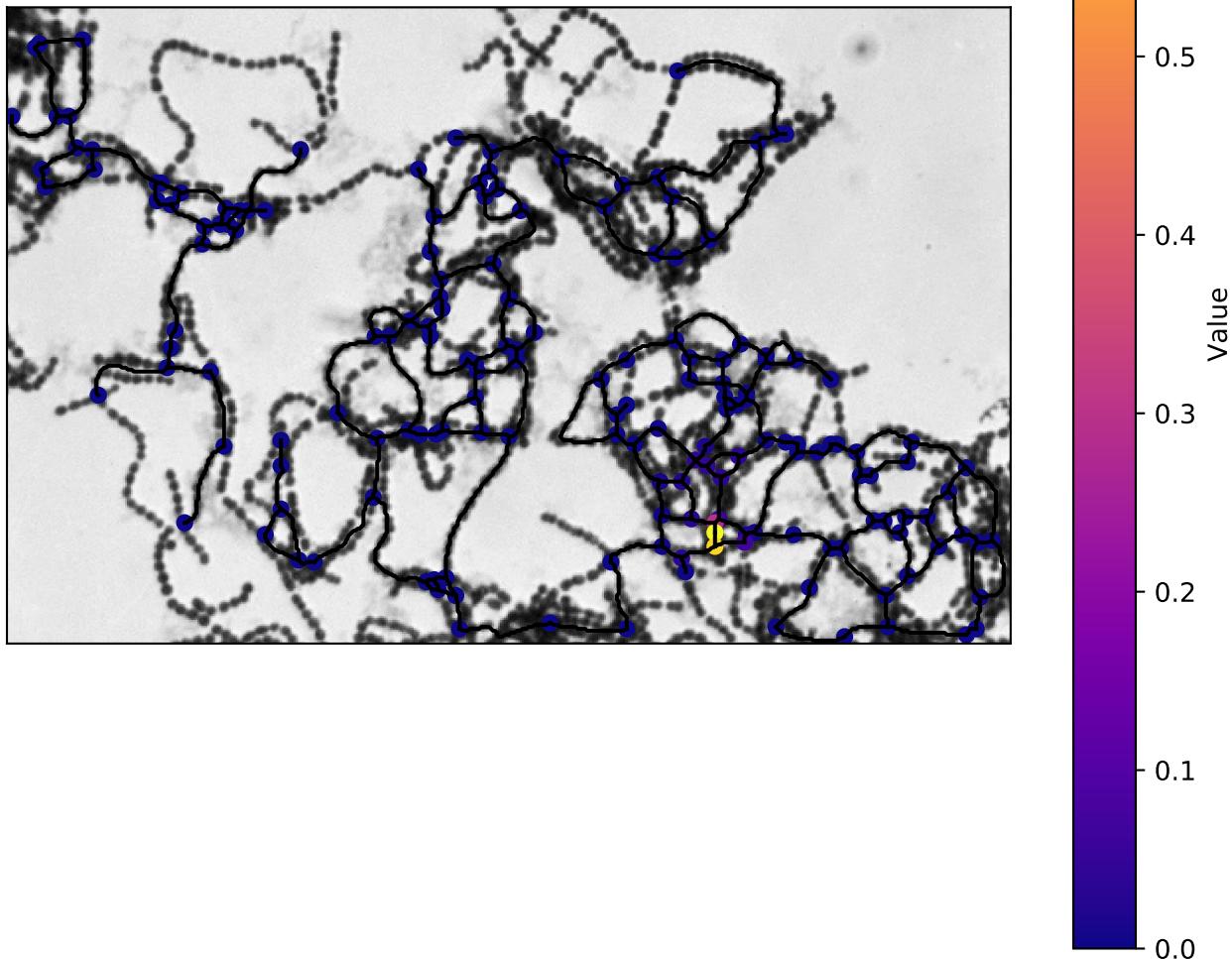
Length-Weighted Closeness Centrality Heatmap



Eigenvector Centrality Heatmap



Width-Weighted Eigenvector Centrality Heatmap



Run Info

streptococci || 2024-01-31 13:20:25

|| Global Threshold (127) || Median Filter || Gaussian Blur, 3 bit kernel || Dark Foreground || Sobel Gradient || Low-pass filter
|| Merge Nodes || Prune Dangling Edges || Remove Objects of Size 500 || Remove Self Loops