

# **Visual Analysis of Probabilistic Infection Contagion in Hospitals**

## Supplemental Material

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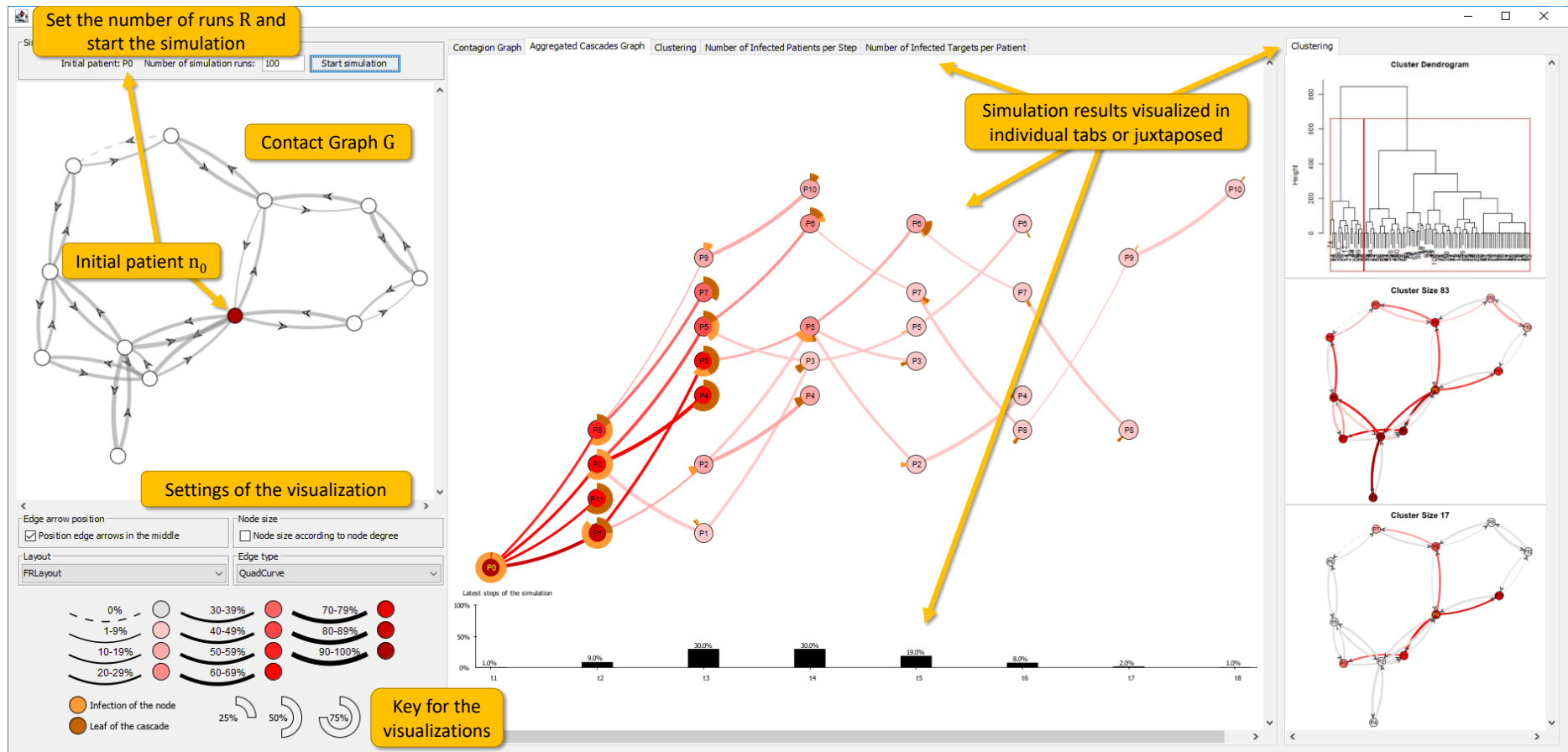


Figure 1: Main interface

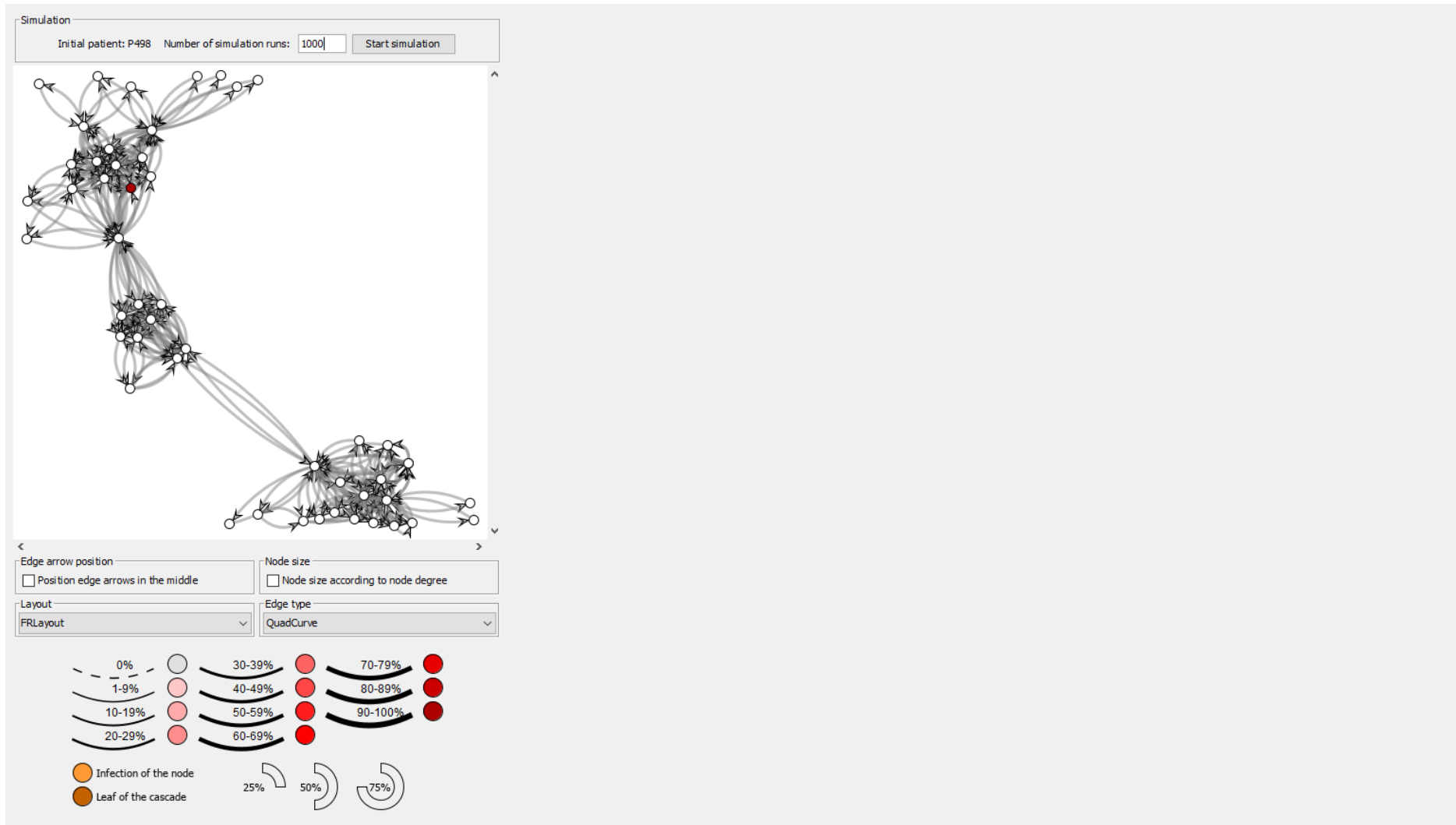


Figure 2: Use Case: Load the contact graph and set the number of simulation runs  $R$  before starting the simulation

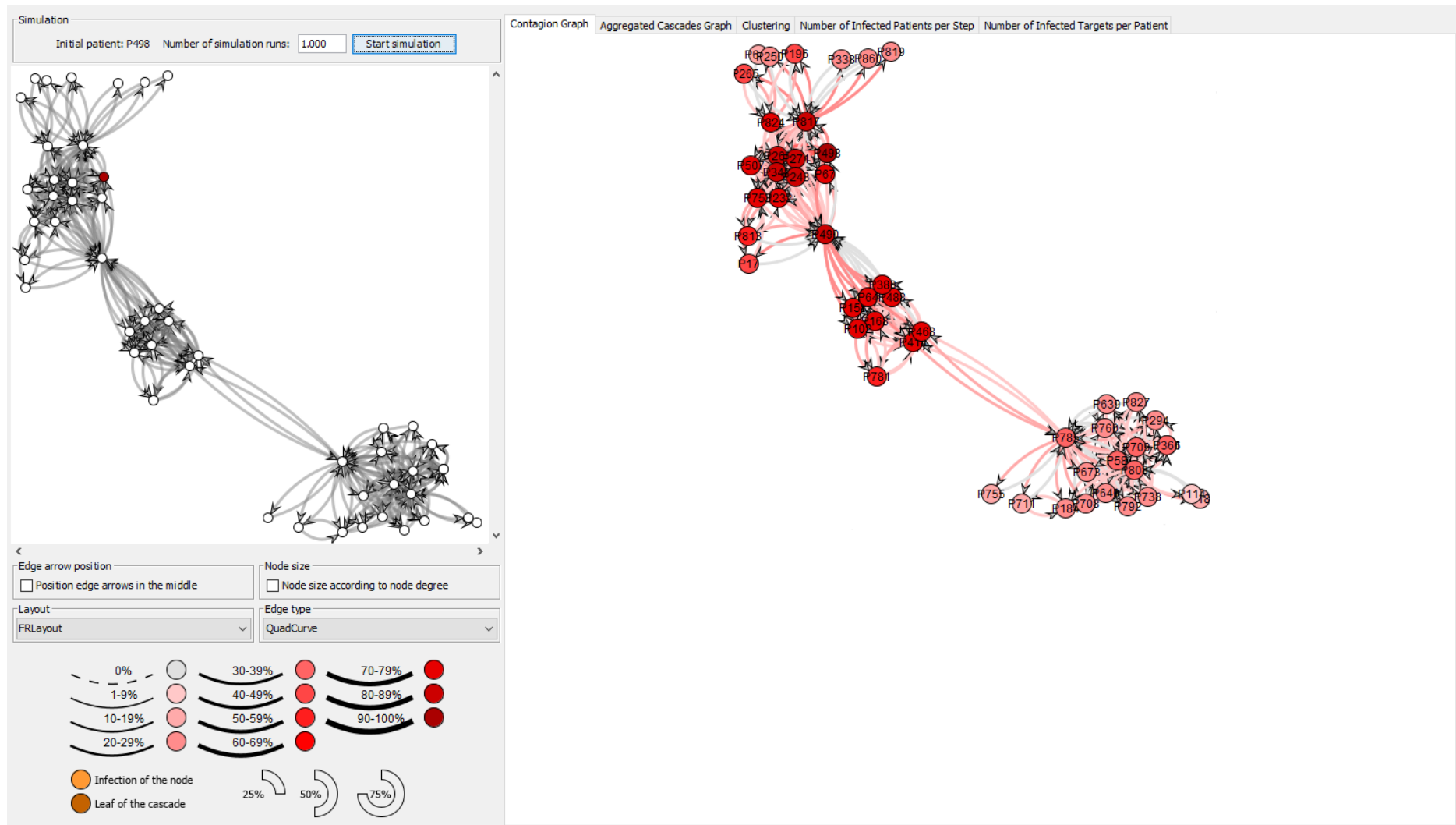


Figure 3: Use Case: The *Contagion Graph View* showing all simulation runs combined

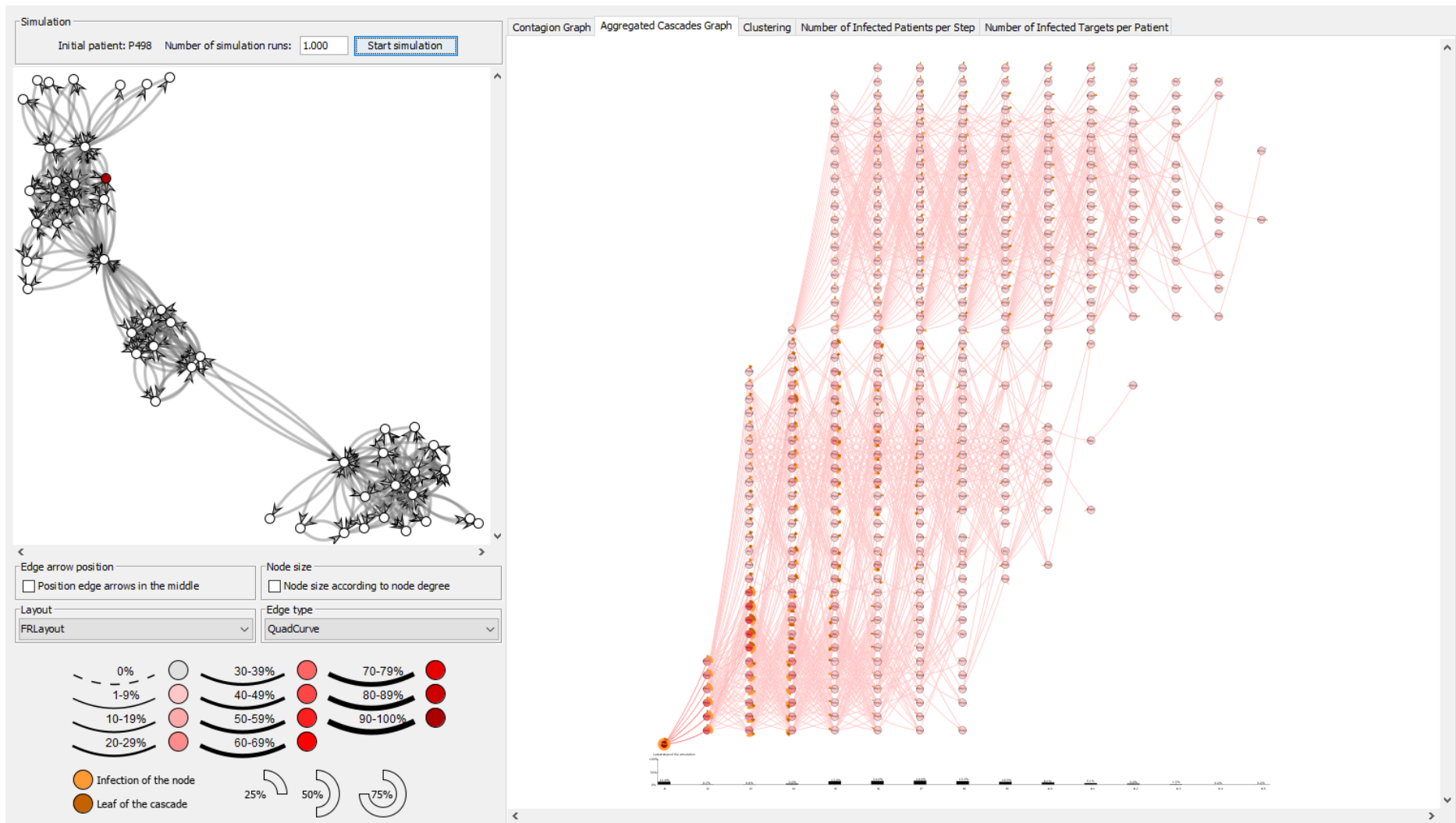


Figure 4: Use Case: The *Aggregated Cascades Graph View* showing all simulation runs combined (together with the supportive visualization of the *Length of the Contagion*)

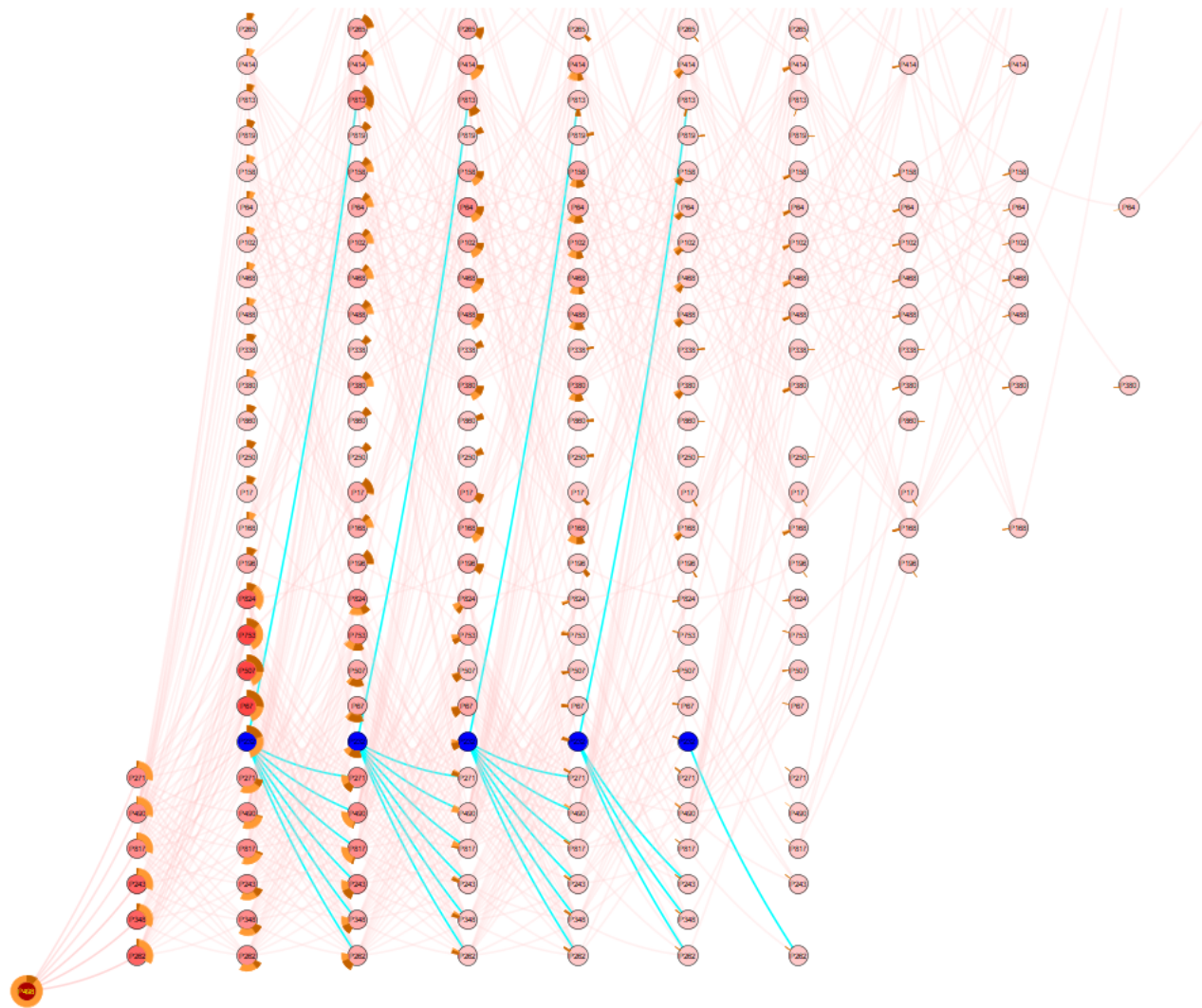


Figure 5: Use Case: The *Aggregated Cascades Graph View* showing all simulation runs combined (together with the supportive visualization of the *Length of the Contagion*) — Zoom in and highlighting of nodes with infected targets

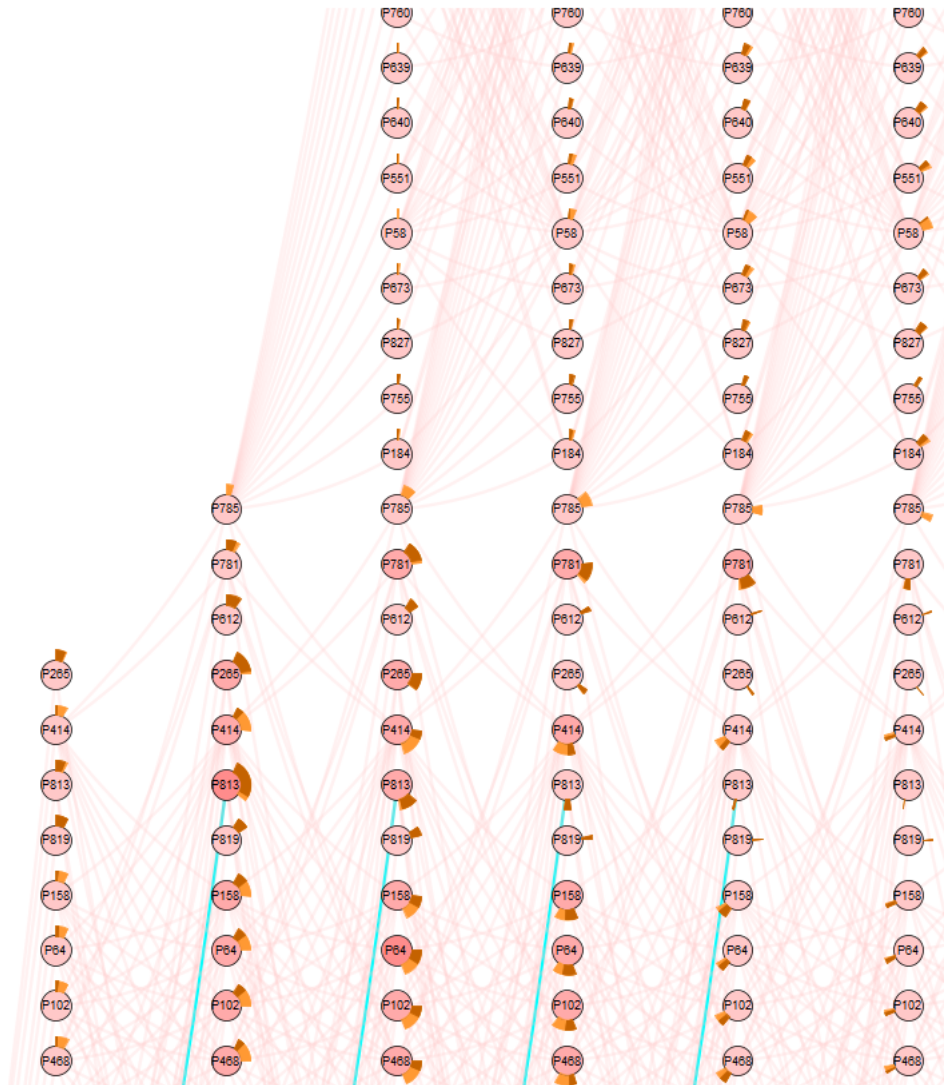


Figure 6: Use Case: The *Aggregated Cascades Graph View* showing all simulation runs combined (together with the supportive visualization of the *Length of the Contagion*) — Zoom in



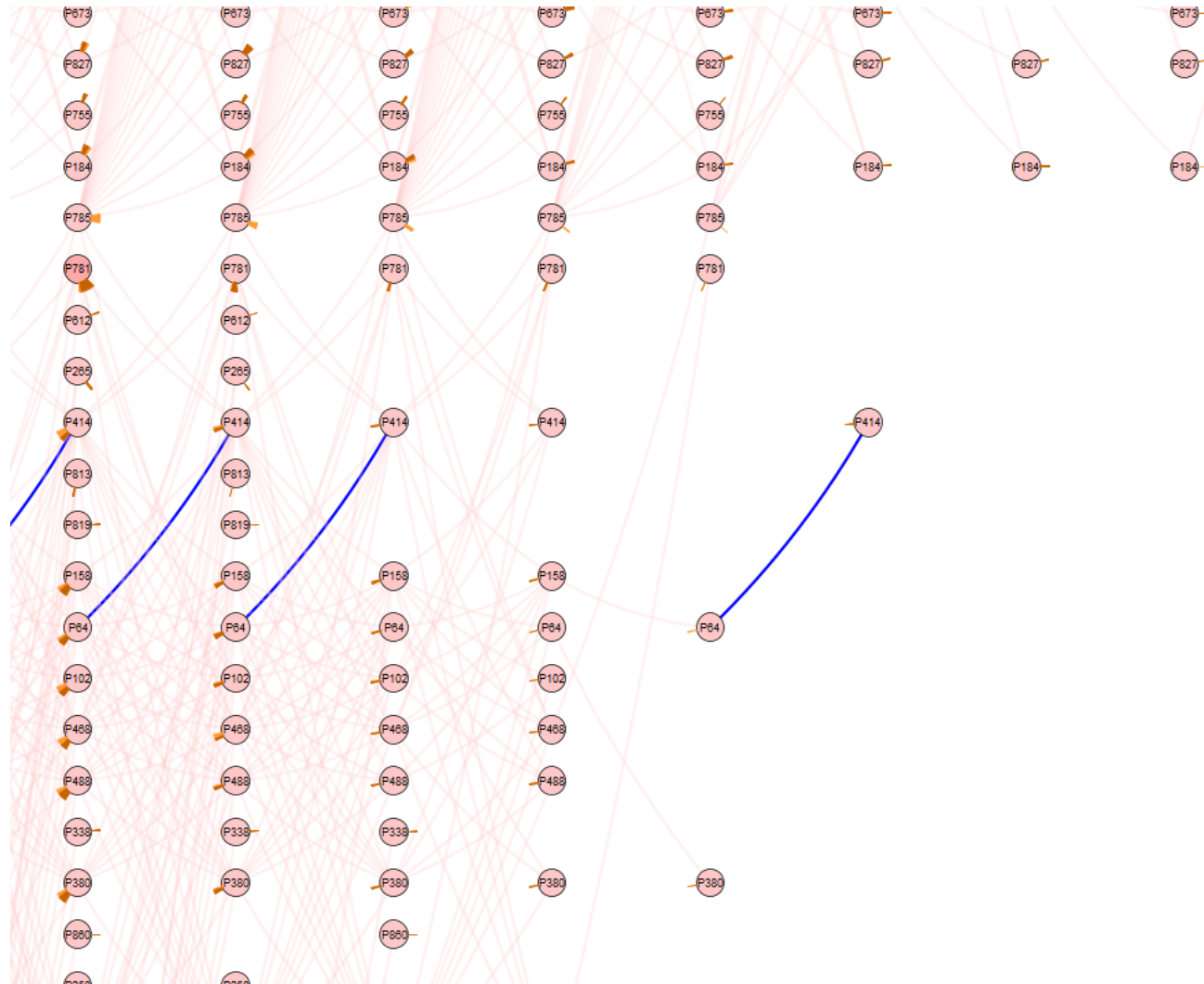


Figure 7: Use Case: The *Aggregated Cascades Graph View* showing all simulation runs combined (together with the supportive visualization of the *Length of the Contagion*) — Zoom in and highlighting of transmission pattern



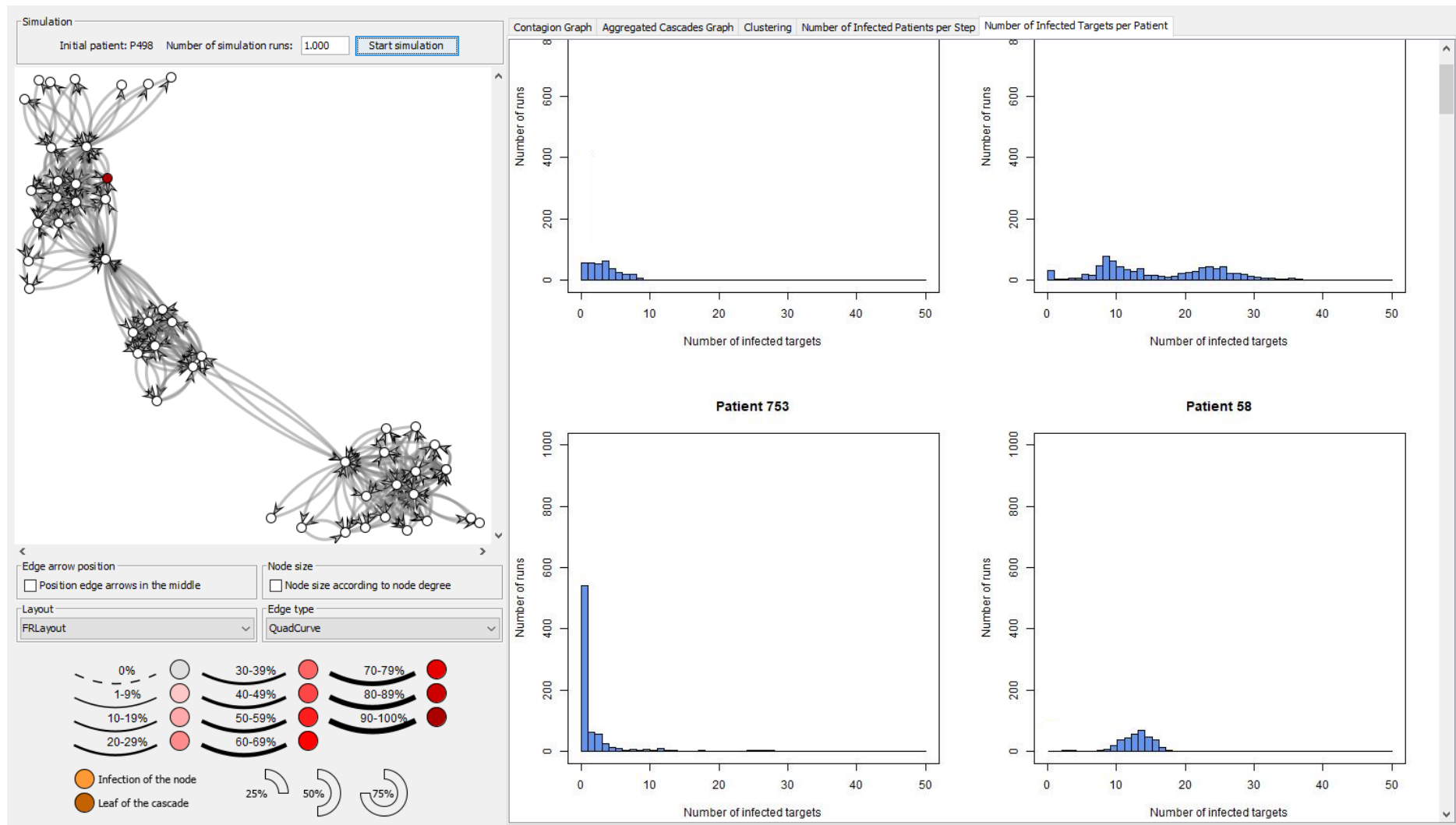


Figure 8: Use Case: The Number of Infected Targets per Patient

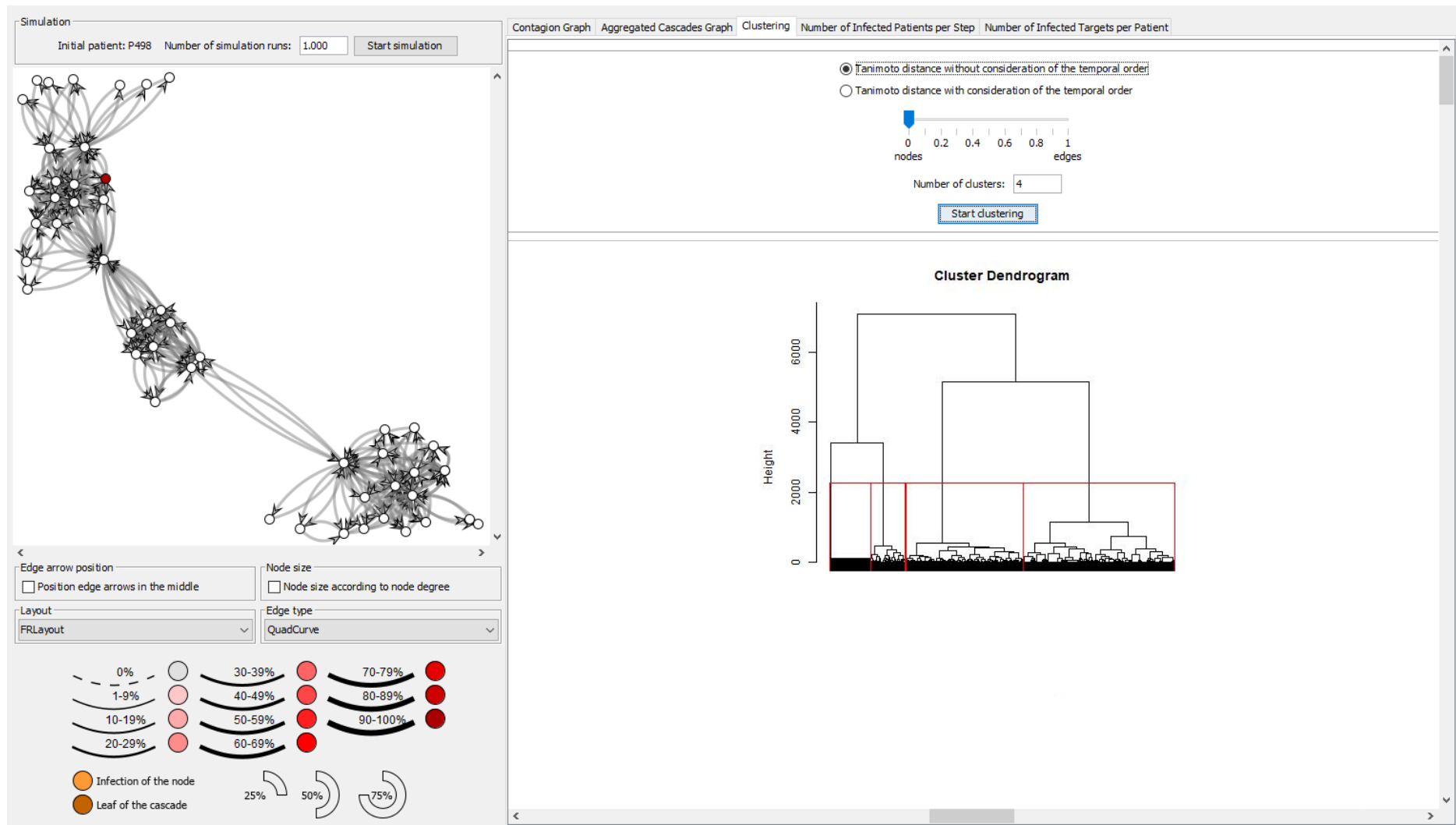


Figure 9: Use Case: Set similarity function for clustering and view cluster dendrogram for the clustering results

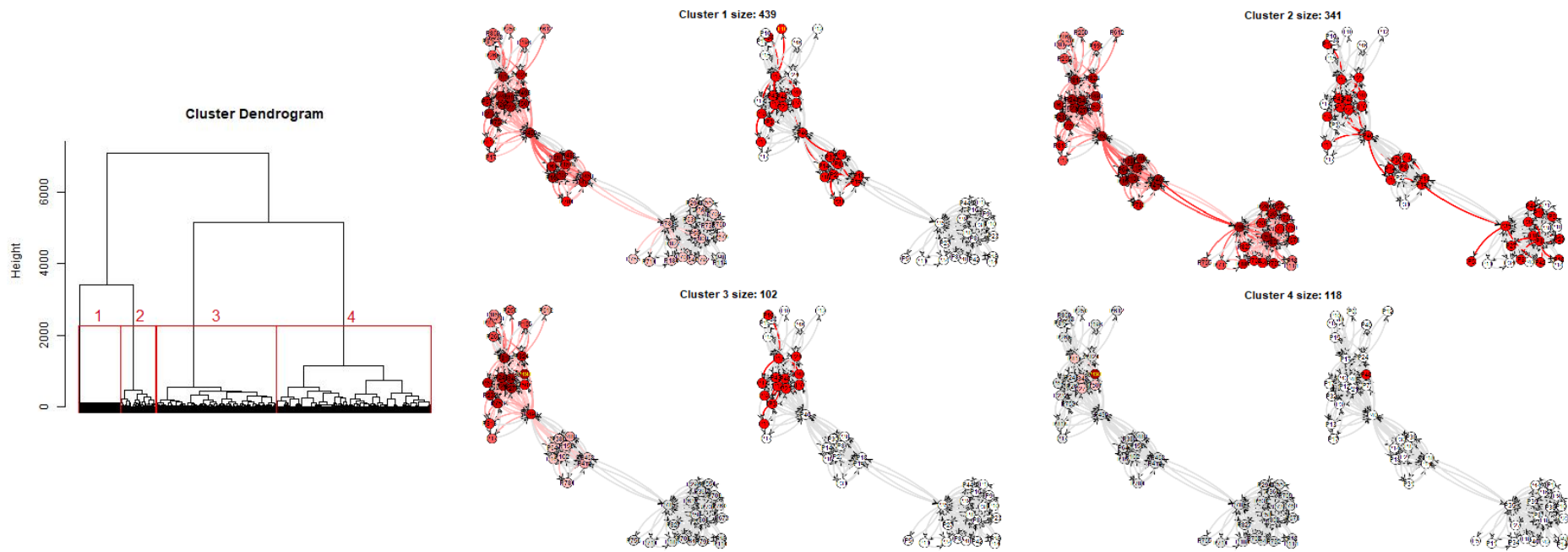


Figure 10: Use Case: Cluster dendrogram, cluster summaries (left), and cluster representatives (right) visualized with the *Contagion Graph View*