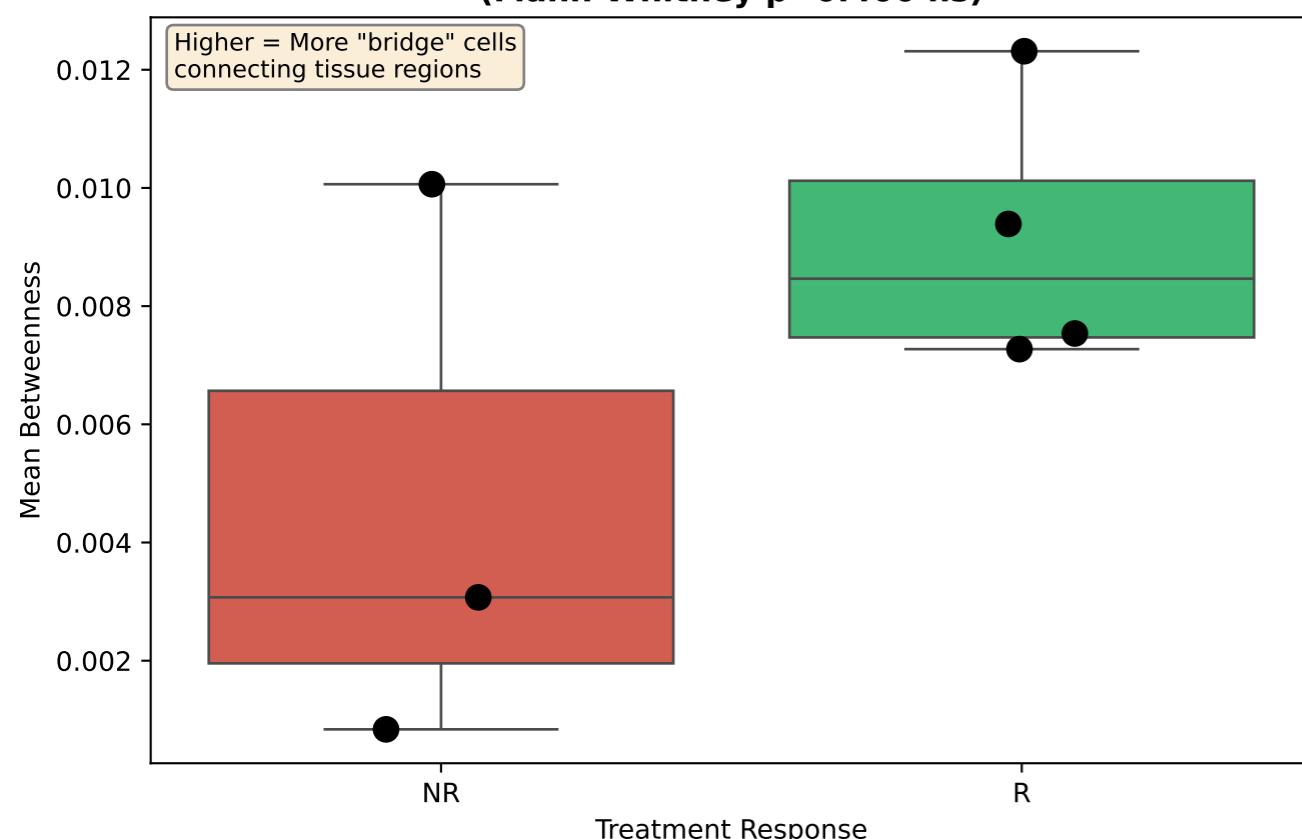


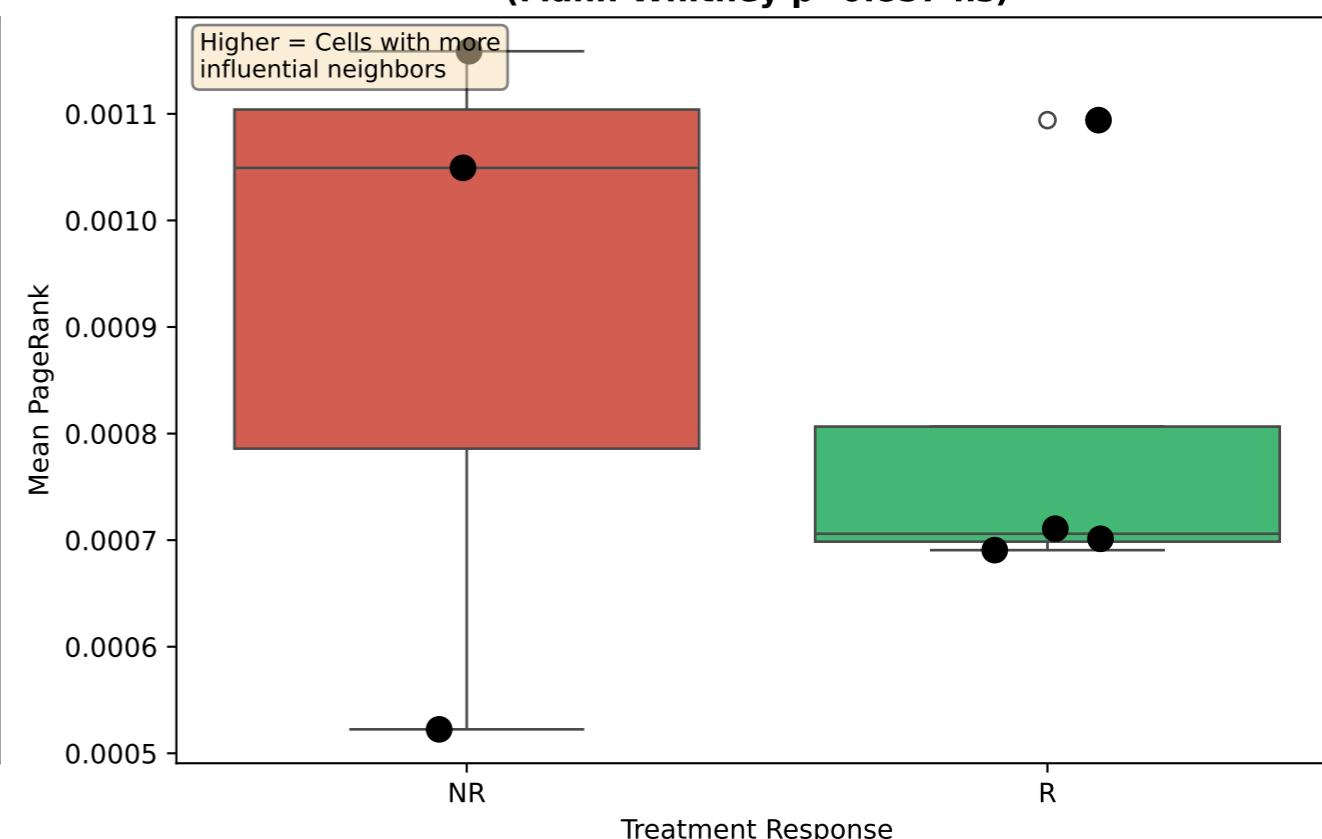
# Graph Centrality Analysis: Tissue Network Properties

## Cross-domain: Graph theory algorithms from social network analysis

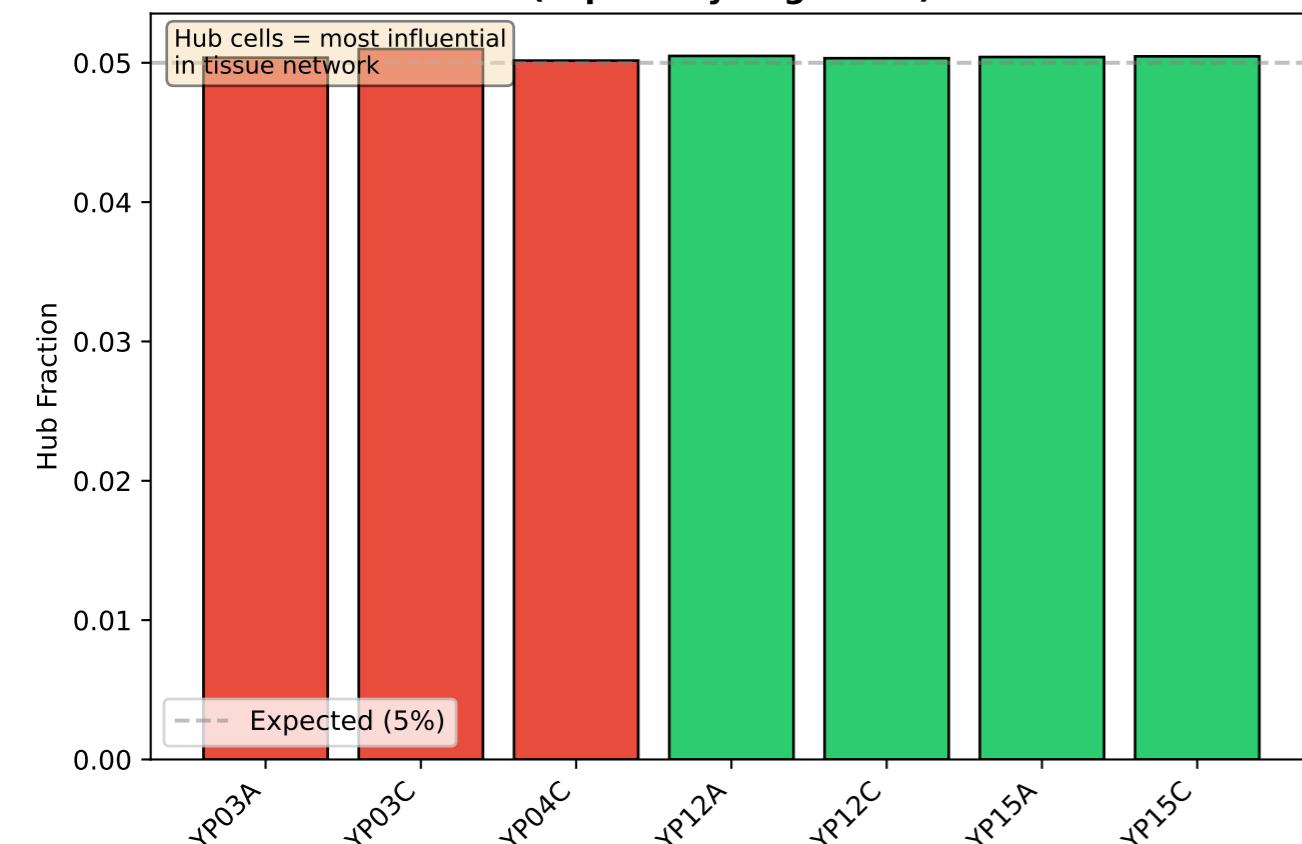
**Mean Betweenness Centrality  
(Mann-Whitney p=0.400 ns)**



**Mean PageRank (Cell Influence)  
(Mann-Whitney p=0.857 ns)**



**Hub Cell Fraction per Sample  
(Top 5% by PageRank)**



**Dominant Hub Cell Type per Sample  
(Which cell type has most hubs?)**

