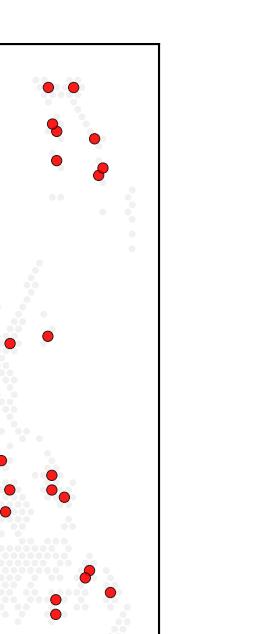
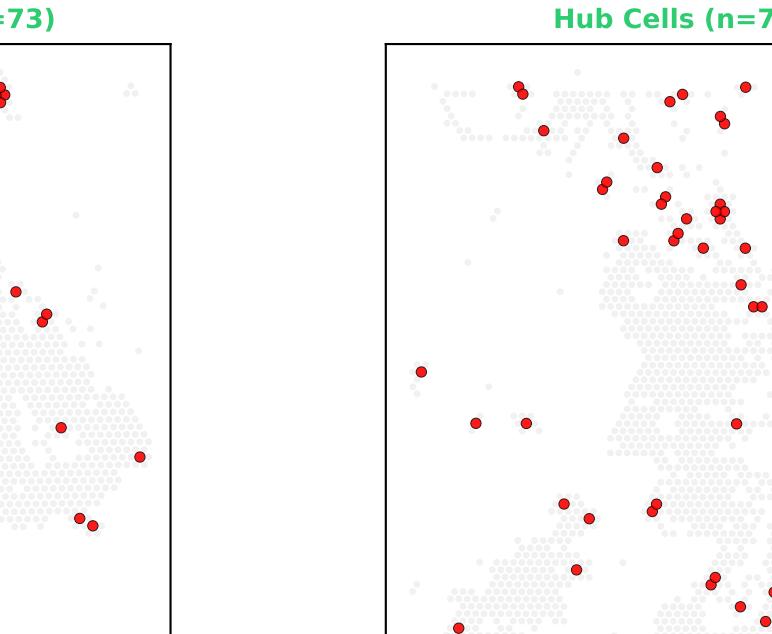
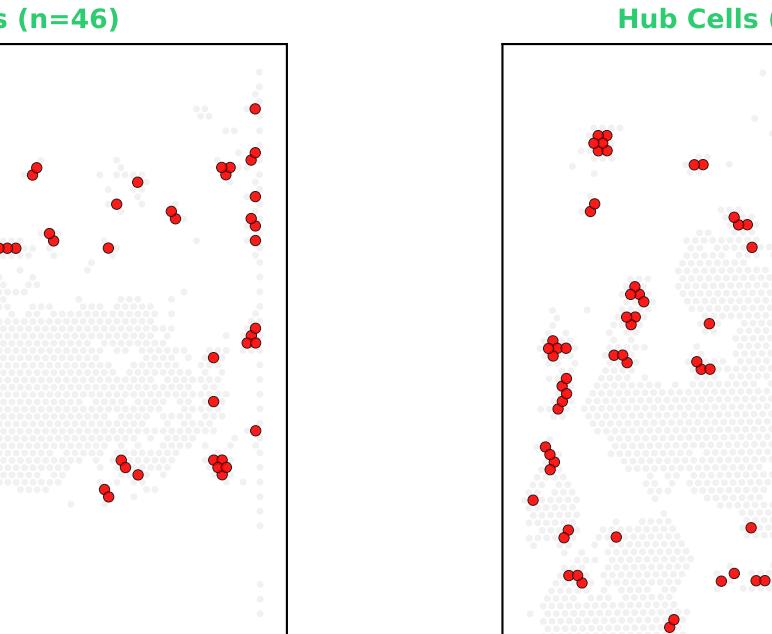
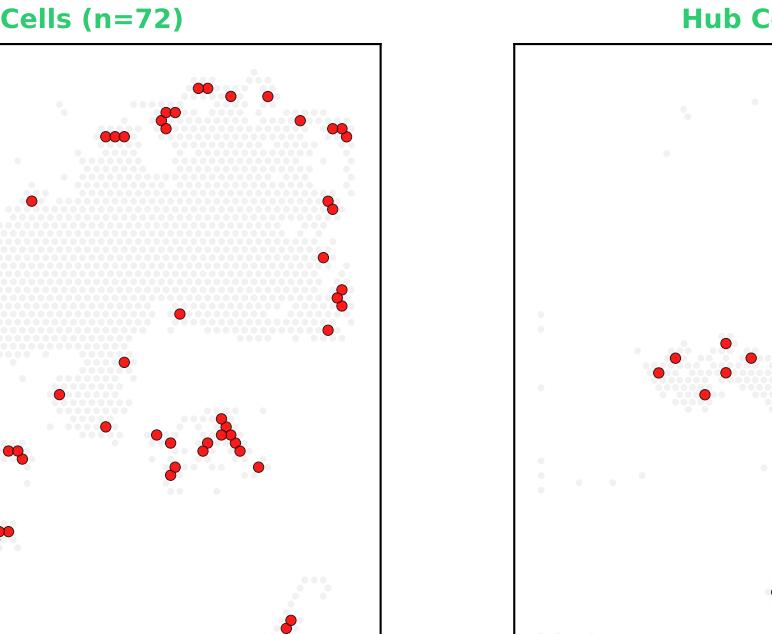
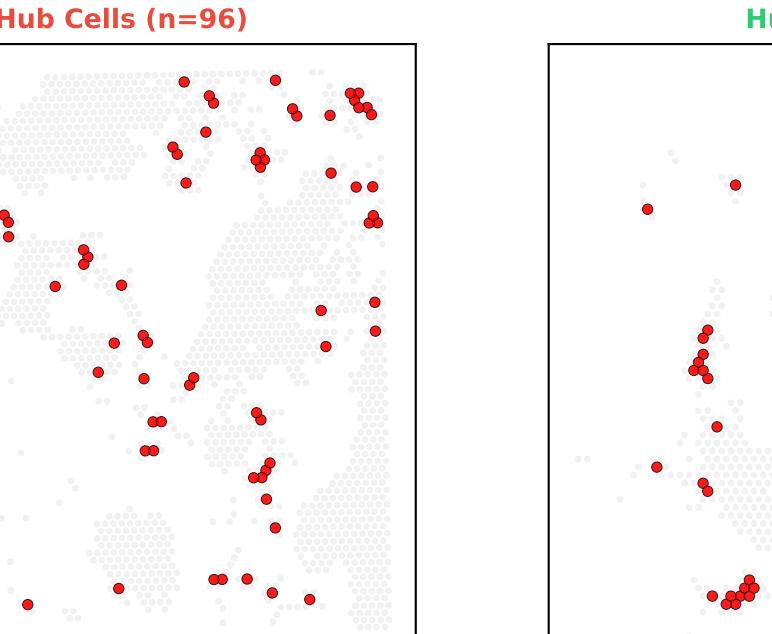
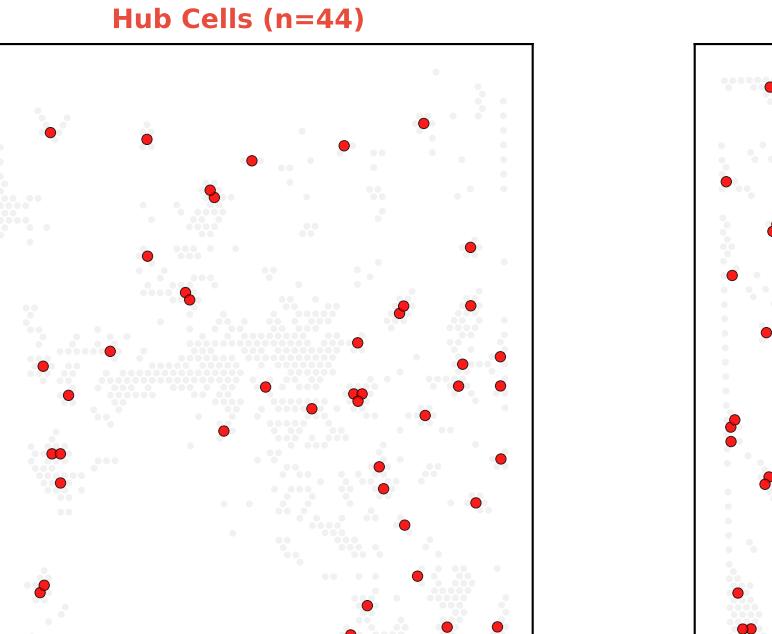
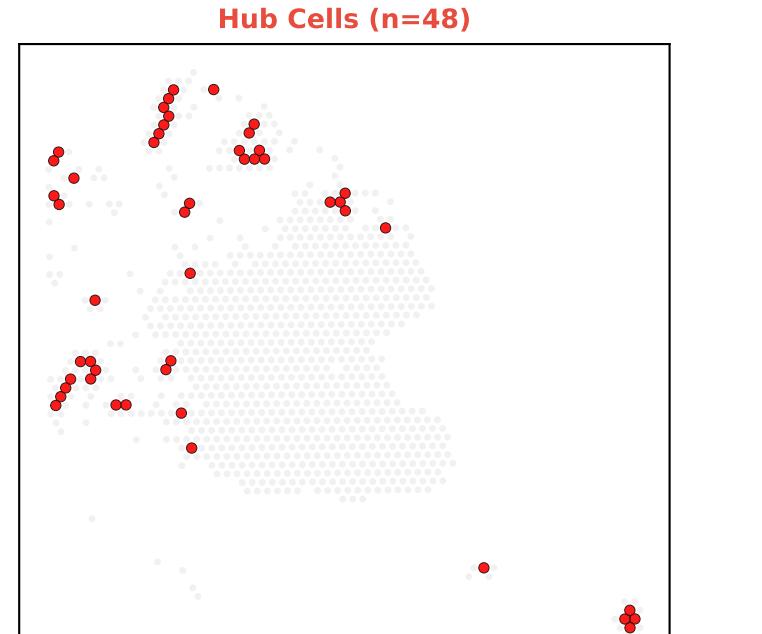
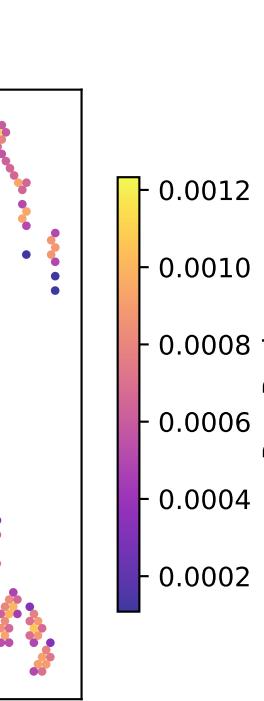
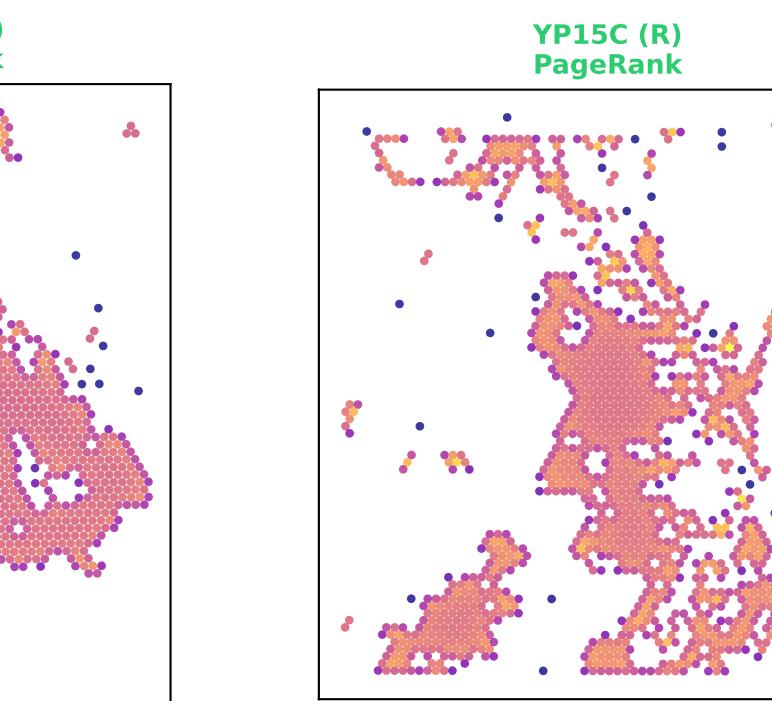
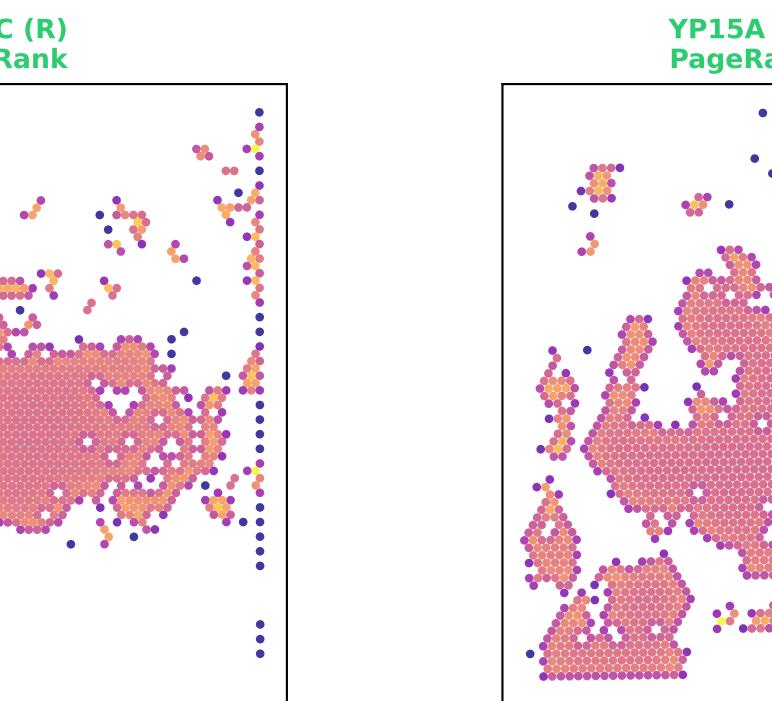
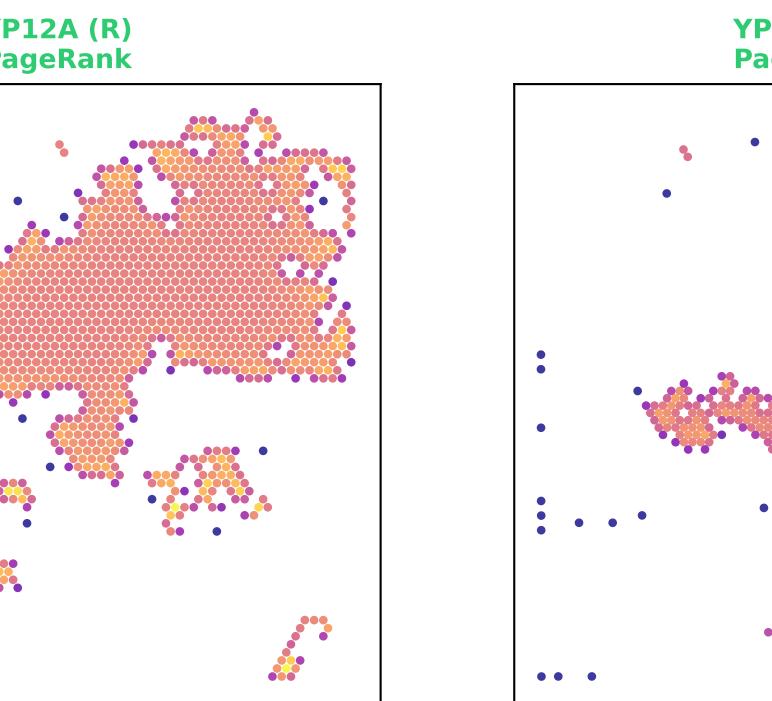
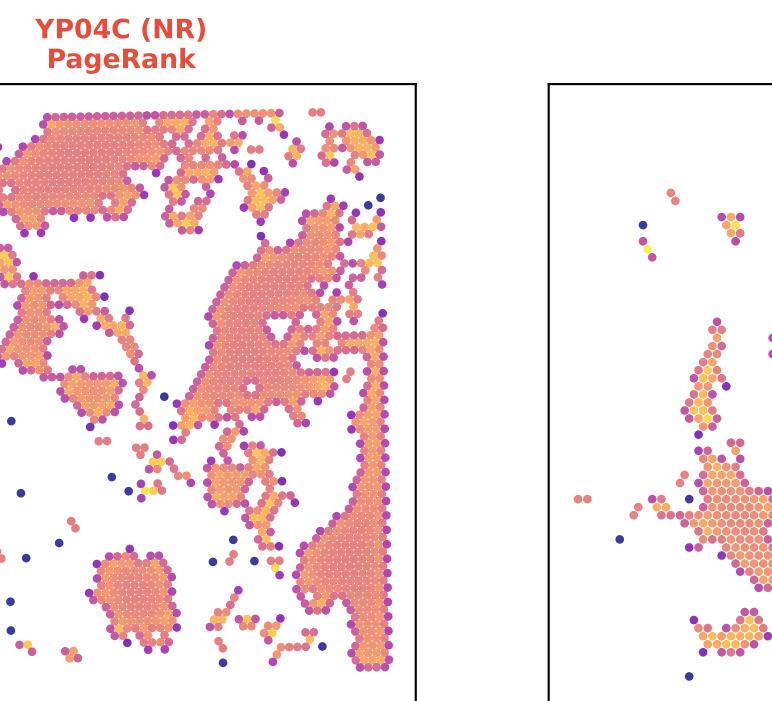
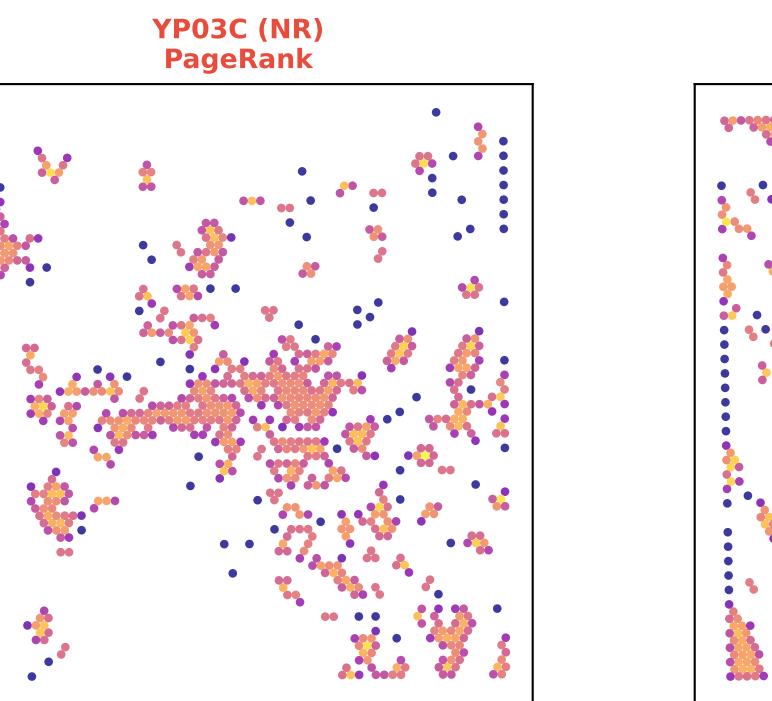
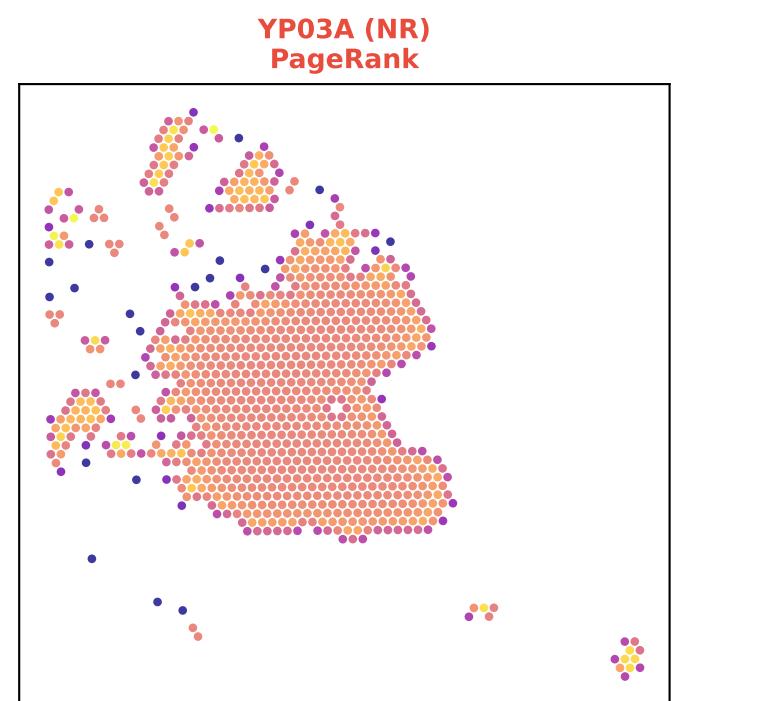


**Spatial Hub Cell Distribution: All Samples**  
**(Green = Responders, Red = Non-Responders)**



*Hub cells (red) = top 5% by PageRank = most influential cells in tissue network  
Look for: clustering patterns, boundary vs interior localization, immune access*