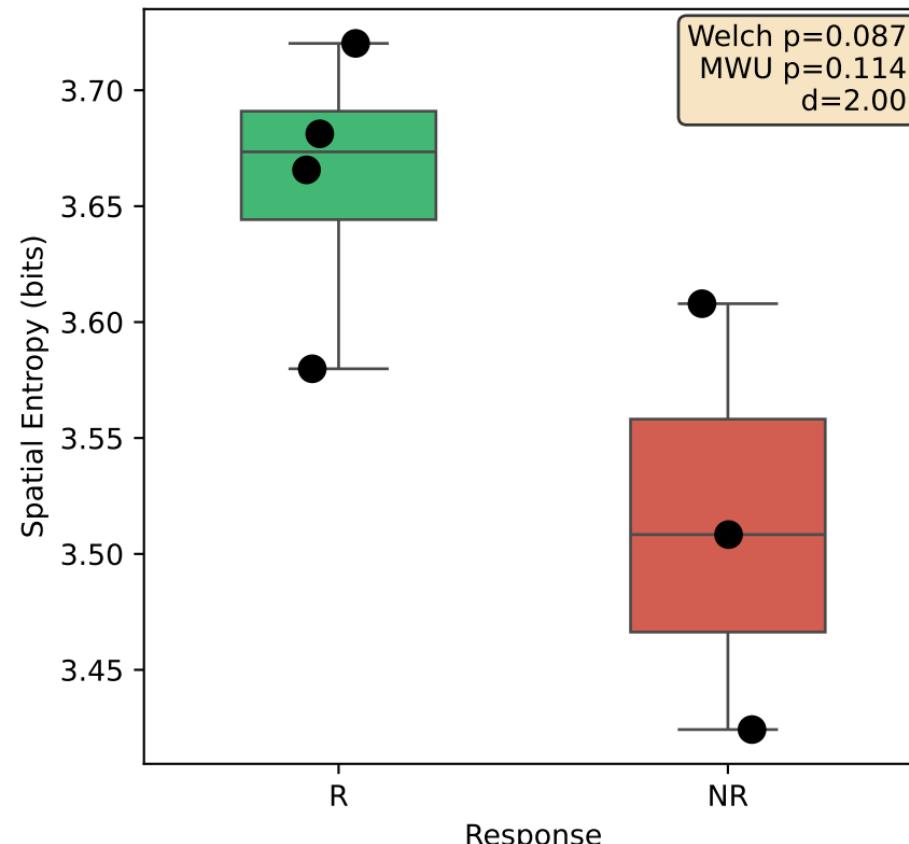
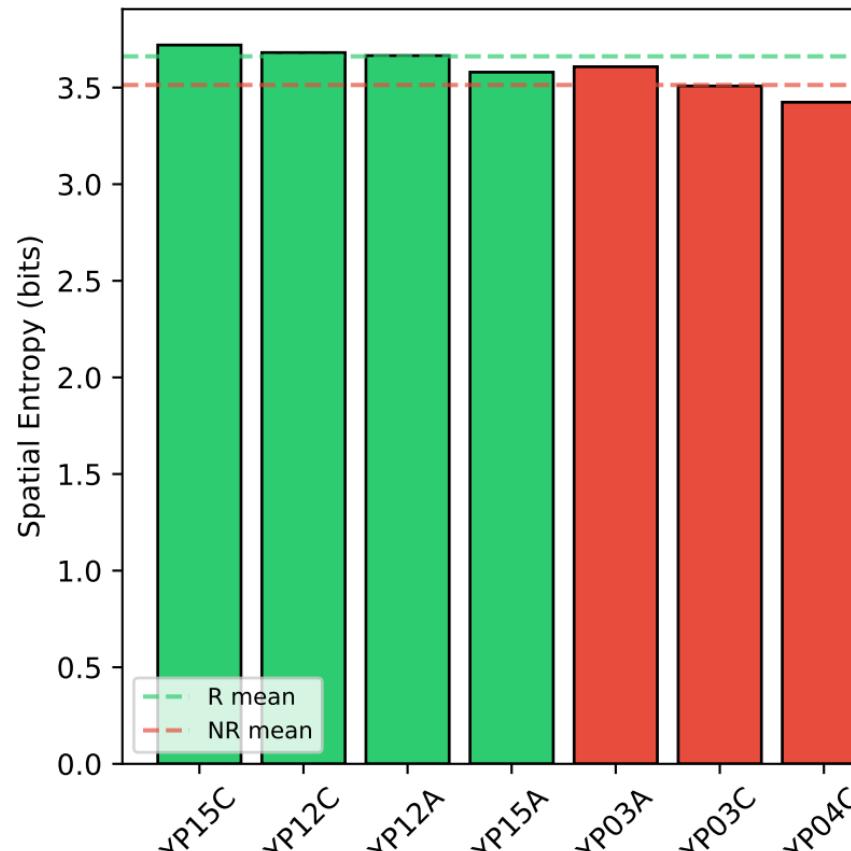


Figure 7: Spatial Entropy - Cell Type Diversity Analysis

A) R vs NR Comparison



B) Per-Sample Values



SPATIAL ENTROPY ANALYSIS

Definition: Shannon entropy of cell type distribution per sample. Higher values indicate more diverse cell populations.

Key Finding:

- Responders show higher spatial entropy
- Effect size $d=2.0$ (LARGE effect)
- Welch $p=0.087$ (trending)

Interpretation:

Responders have more diverse cell type composition, suggesting a more complex tumor microenvironment that may be more amenable to treatment.

Clinical Relevance:

Spatial entropy could serve as a predictive biomarker for treatment response in PDAC.