FTIR...Raman Particle Overlay (aligned coordinates)
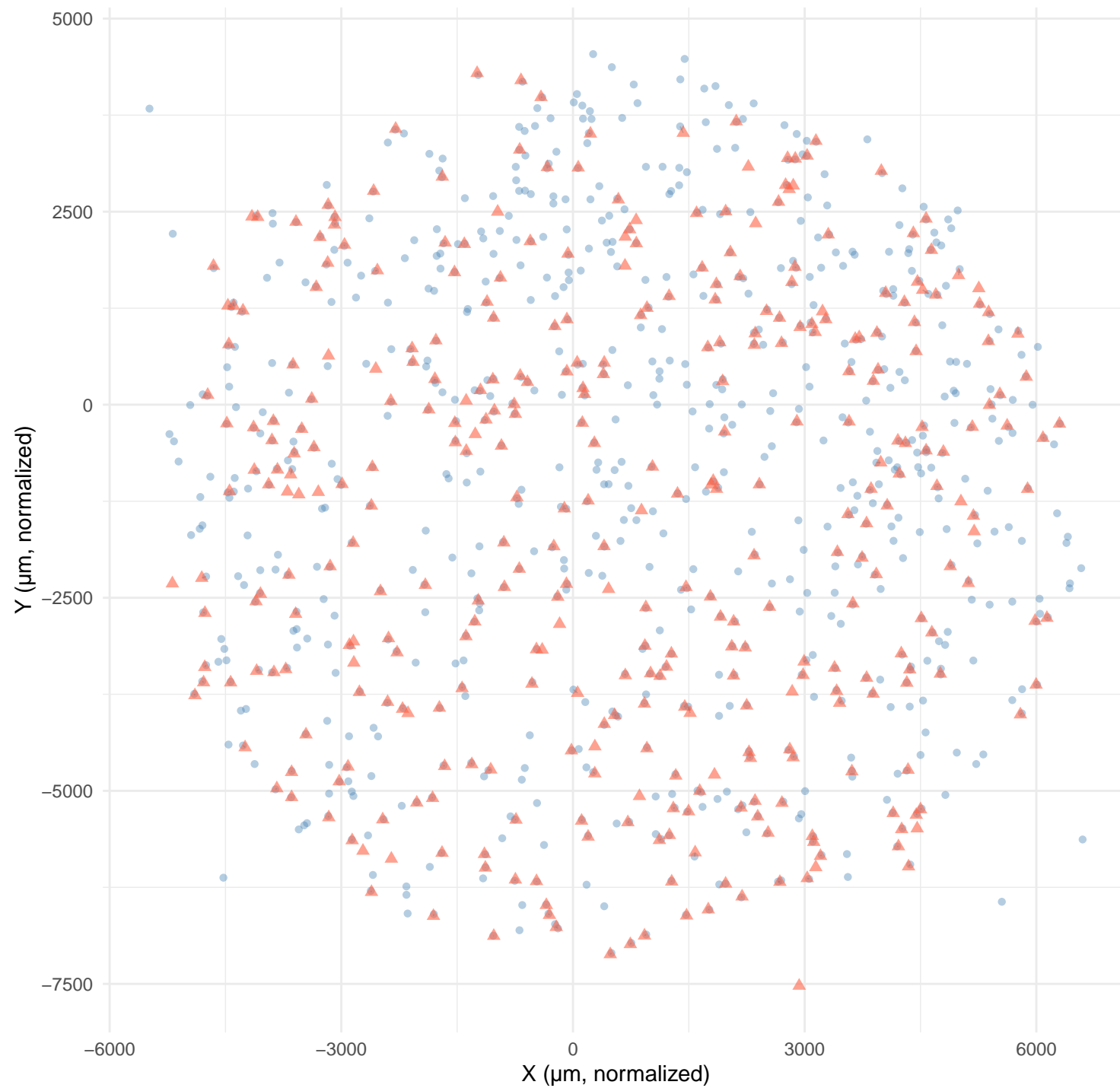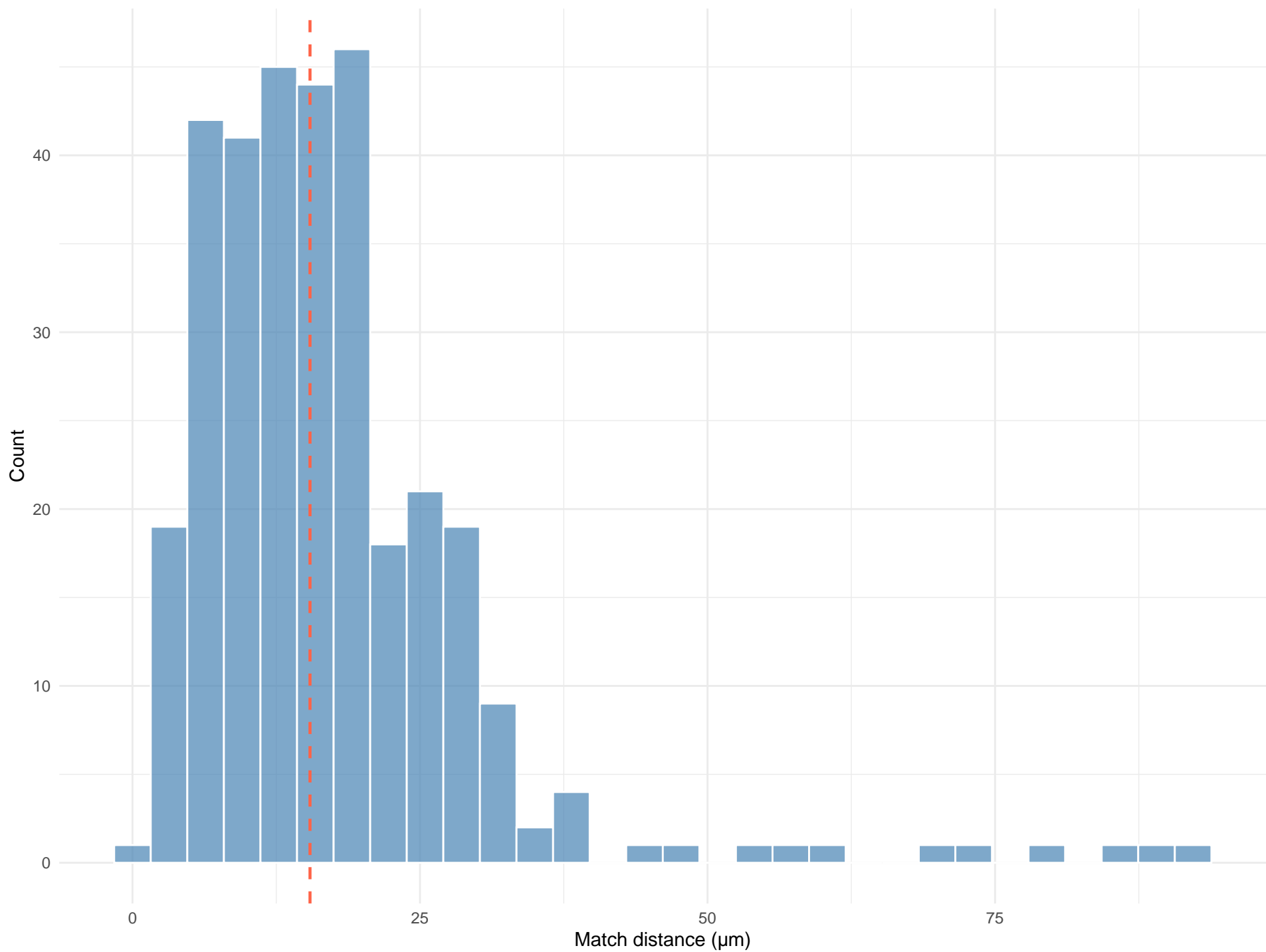
Red triangles = FTIR, Blue circles = Raman, Lines = matched pairs
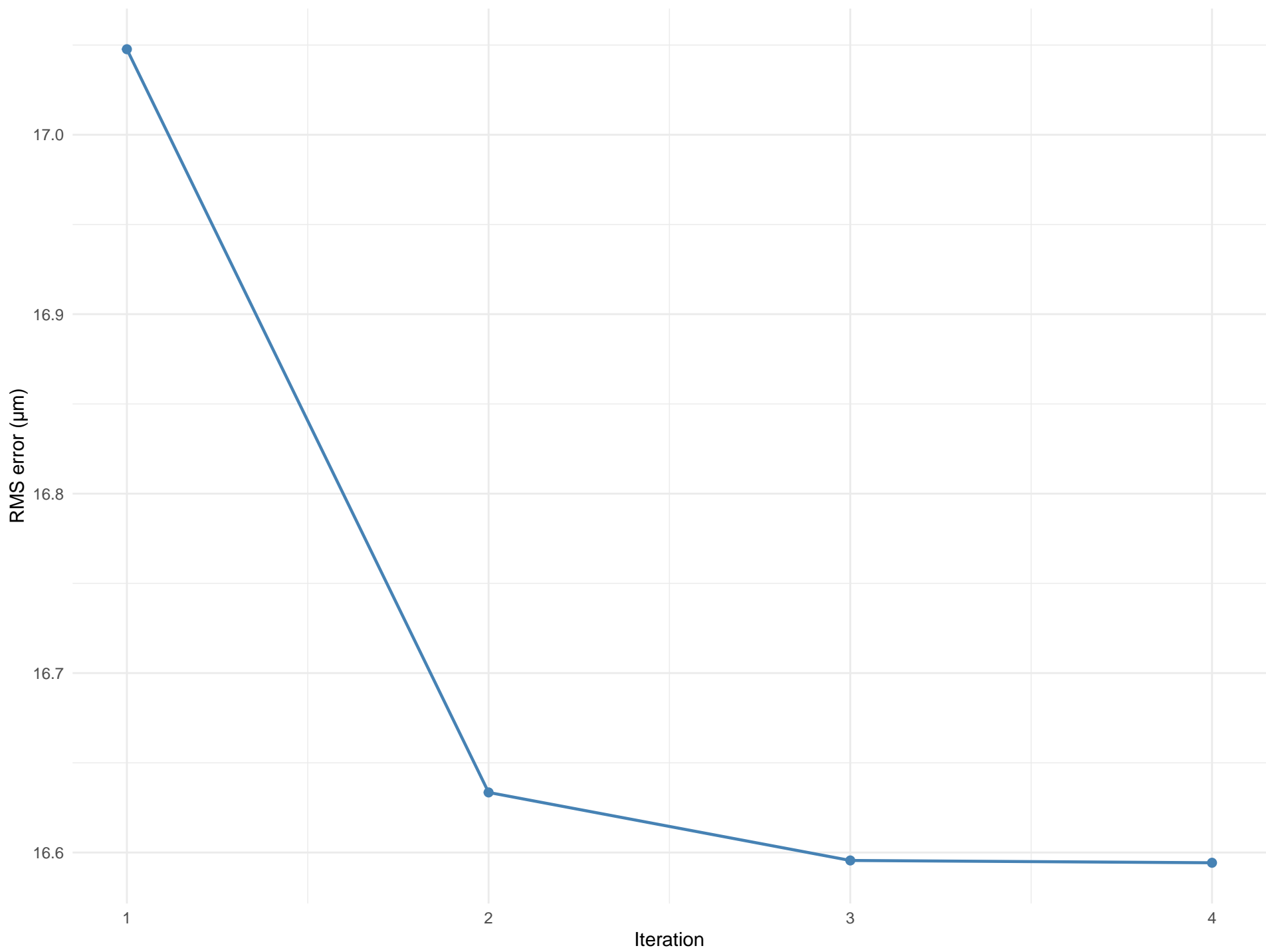
Match Distance Distribution
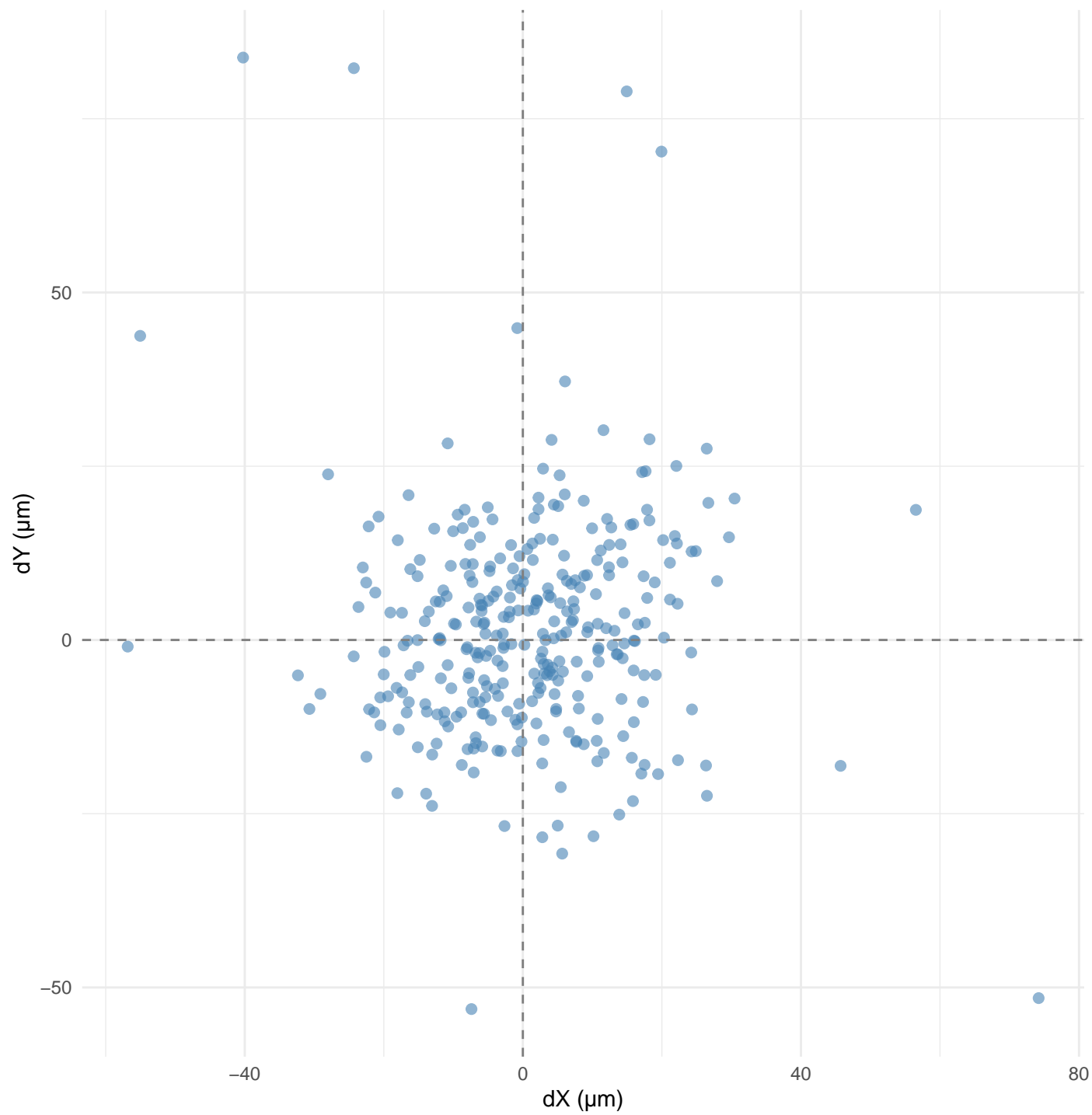Median = 15.44 µm, n = 322 pairs

ICP Convergence
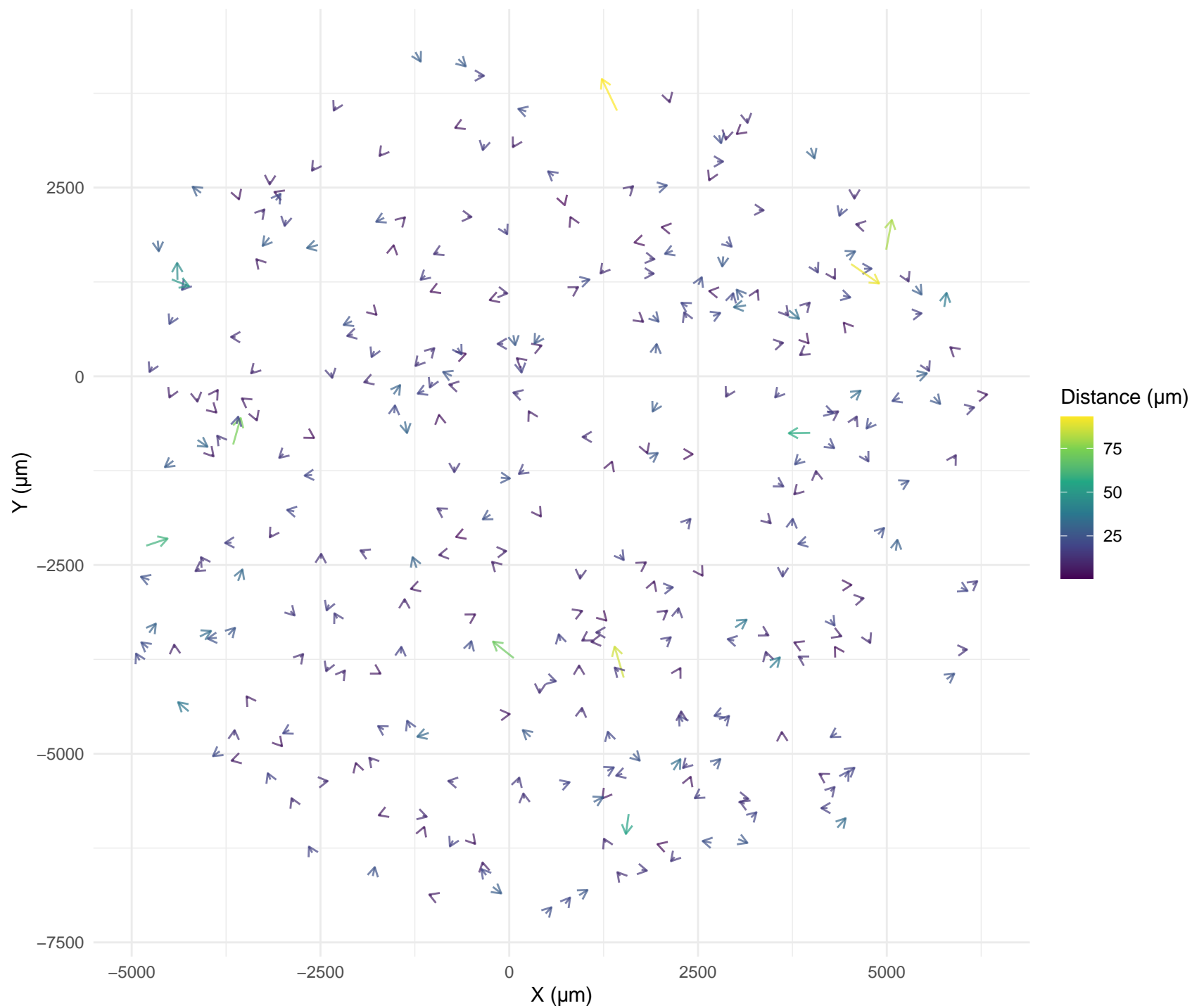Converged: TRUE, Iterations: 4

Alignment Residuals
Offset from FTIR (transformed) to Raman (nearest match)
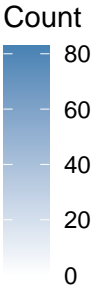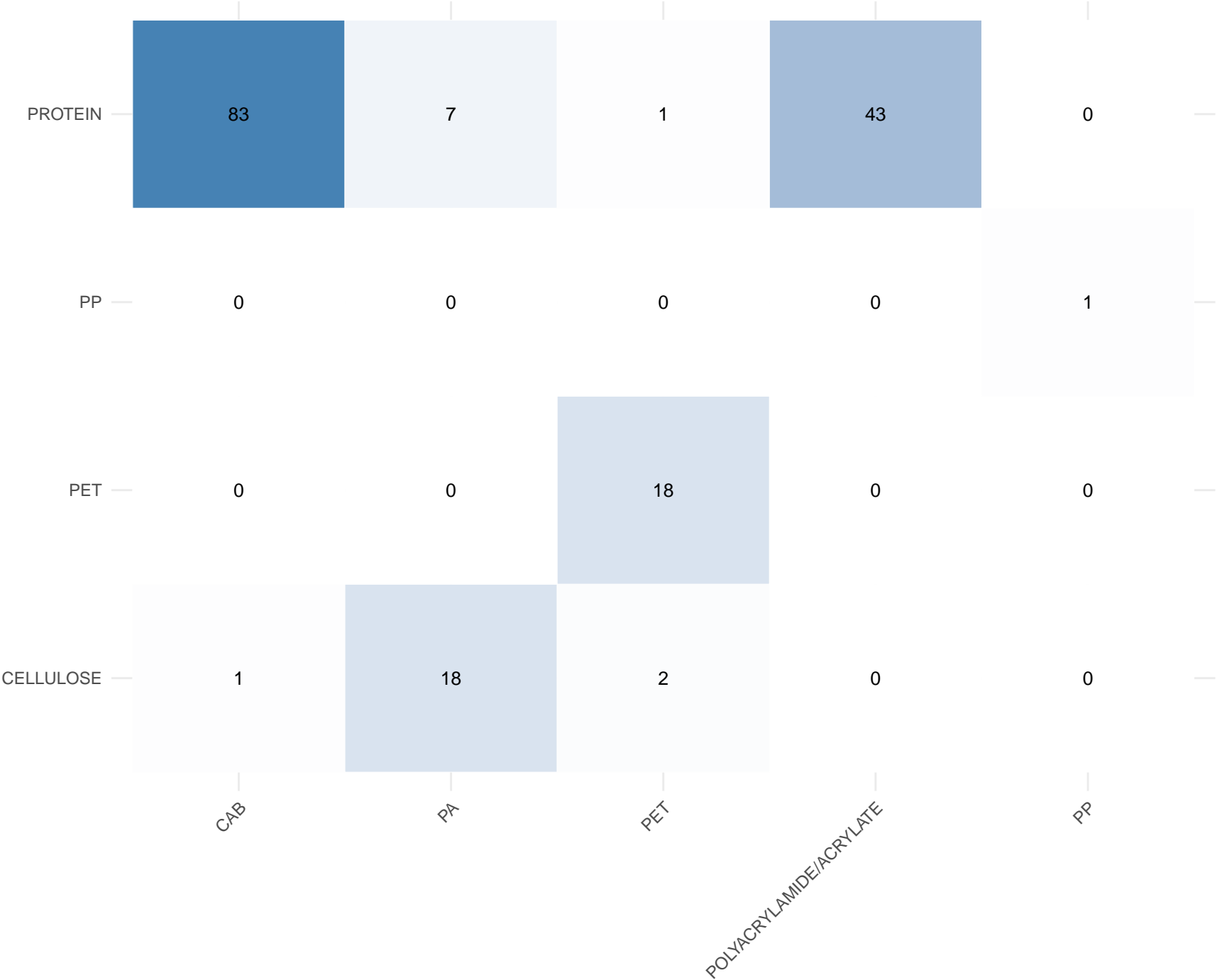
Residual Vector Field

Arrows magnified 5x | Systematic patterns indicate local distortion
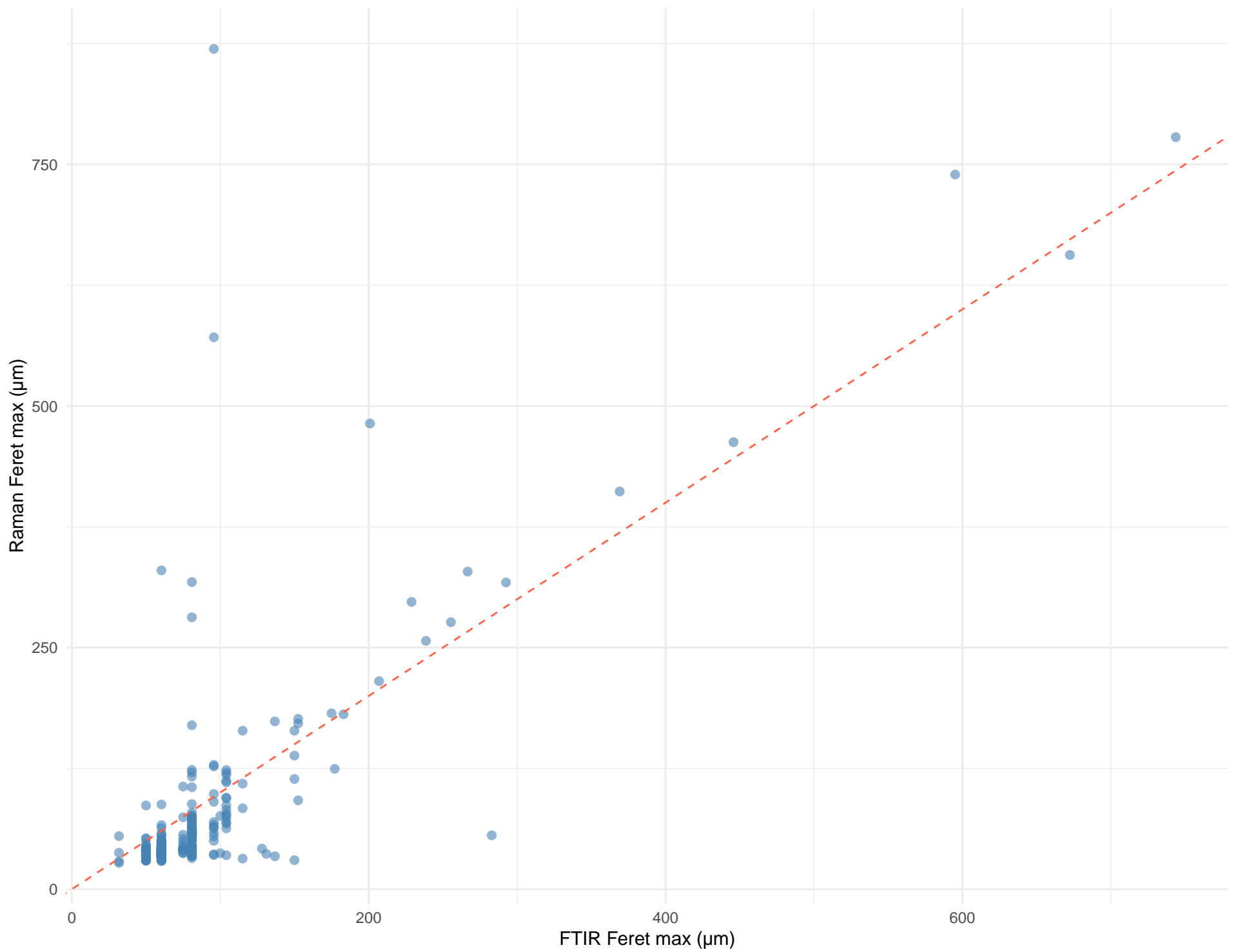
Material Confusion Matrix (FTIR vs Raman)
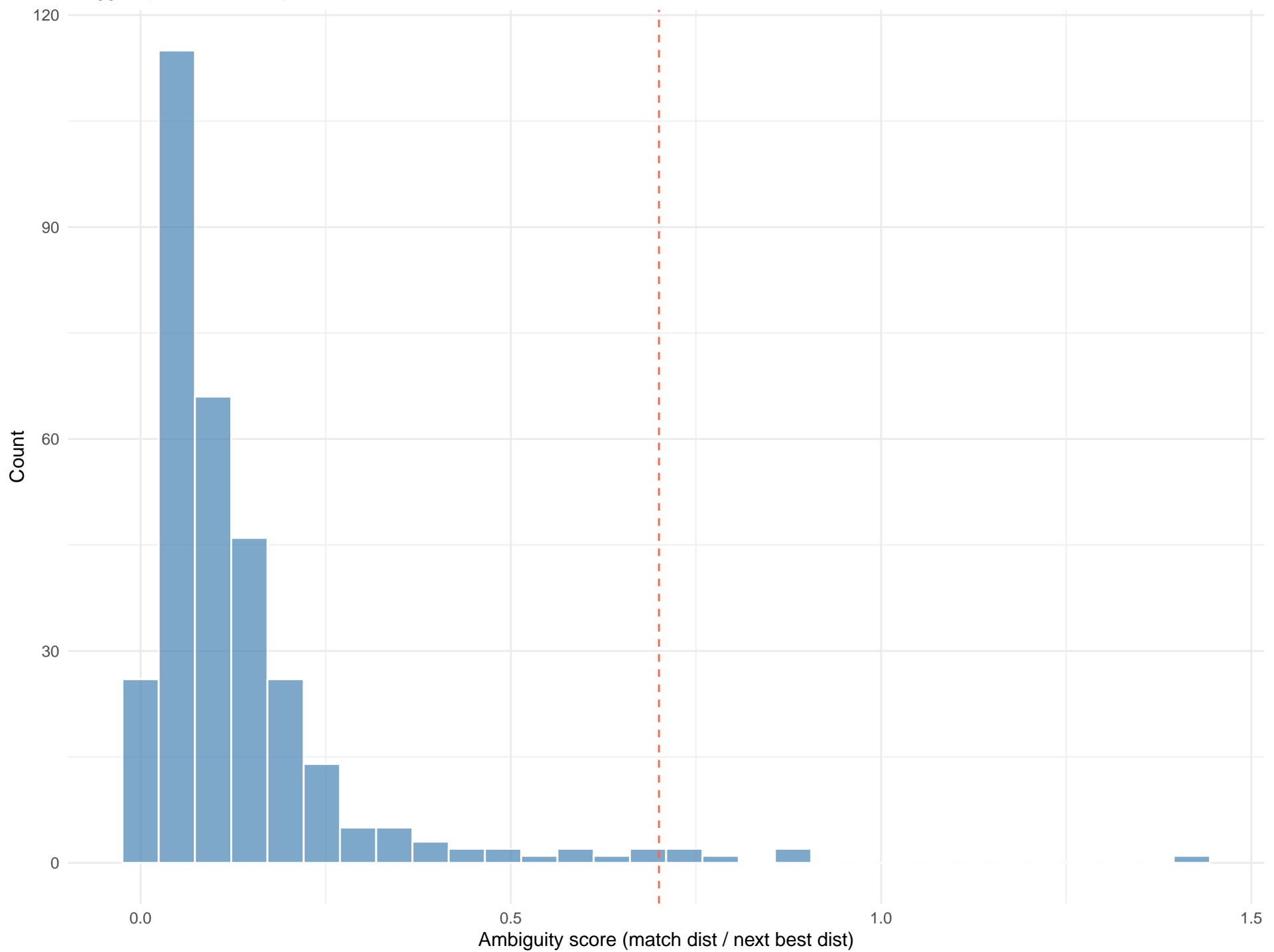
Exact: 0% | Family: 11.5% | Family+: 11.5%

Particle Size Comparison (matched pairs)

Match Ambiguity Score Distribution
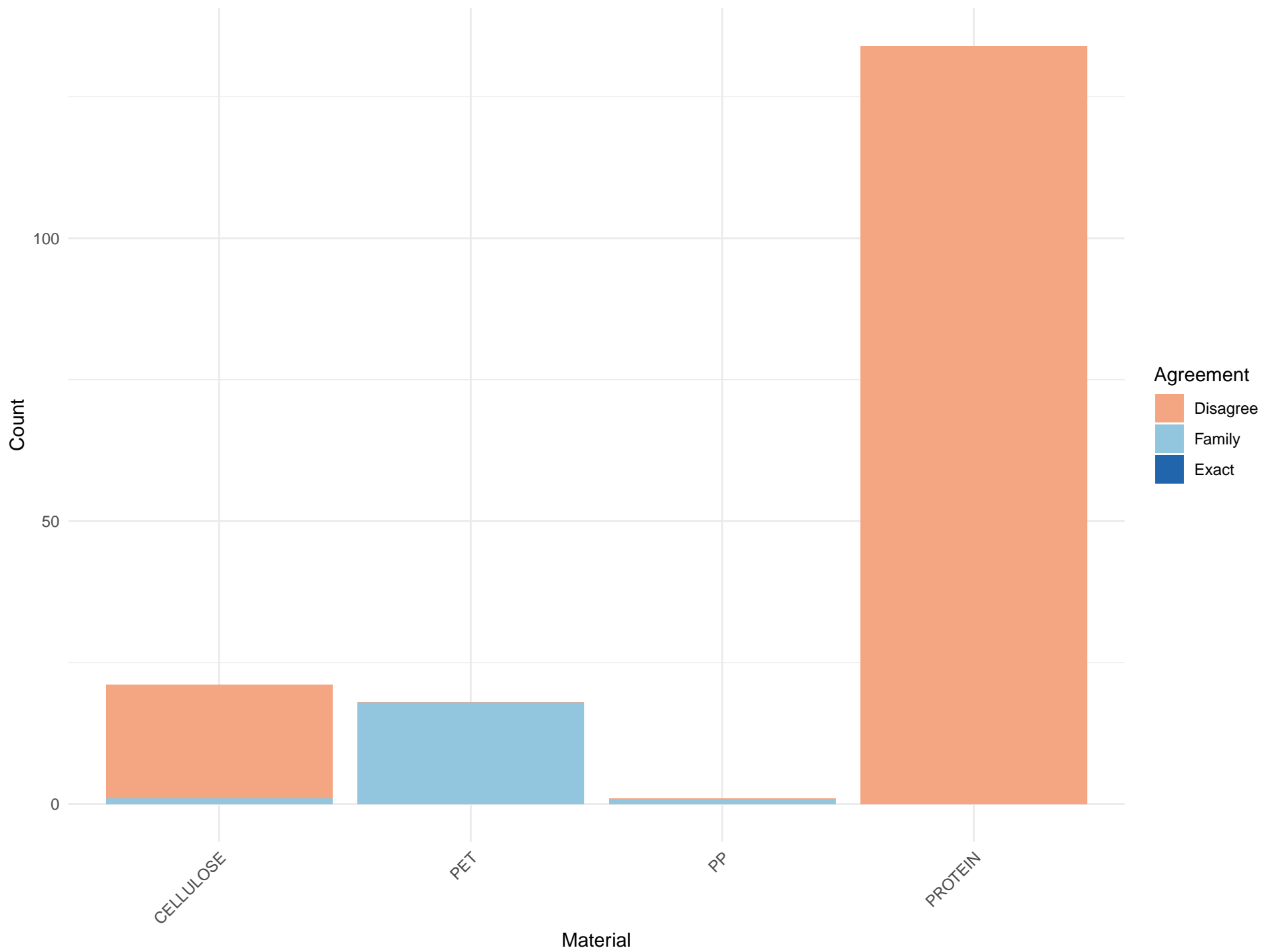
Flagged (>0.7): 7 of 322 pairs

Count

Ambiguity score (match dist / next best dist)

Tiered Agreement by Material

Overall: Exact 0%, Family+ 11.5%
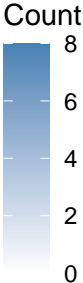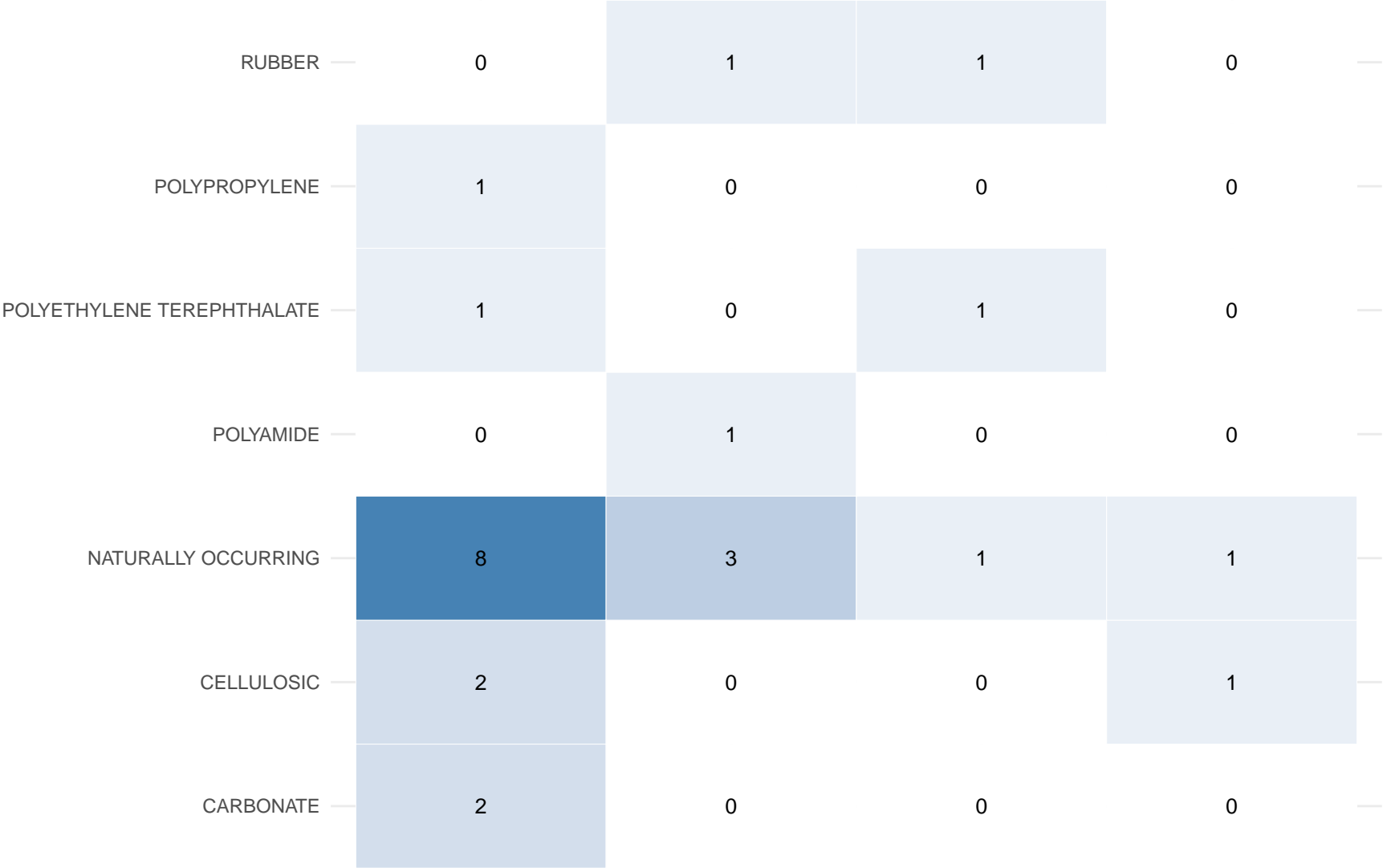
LDIR...Raman Particle Overlay (aligned coordinates)
Green triangles = LDIR, Blue circles = Raman

Material Confusion Matrix (LDIR vs Raman)

Exact: 0% | Family: 16.7% | Family+: 16.7%