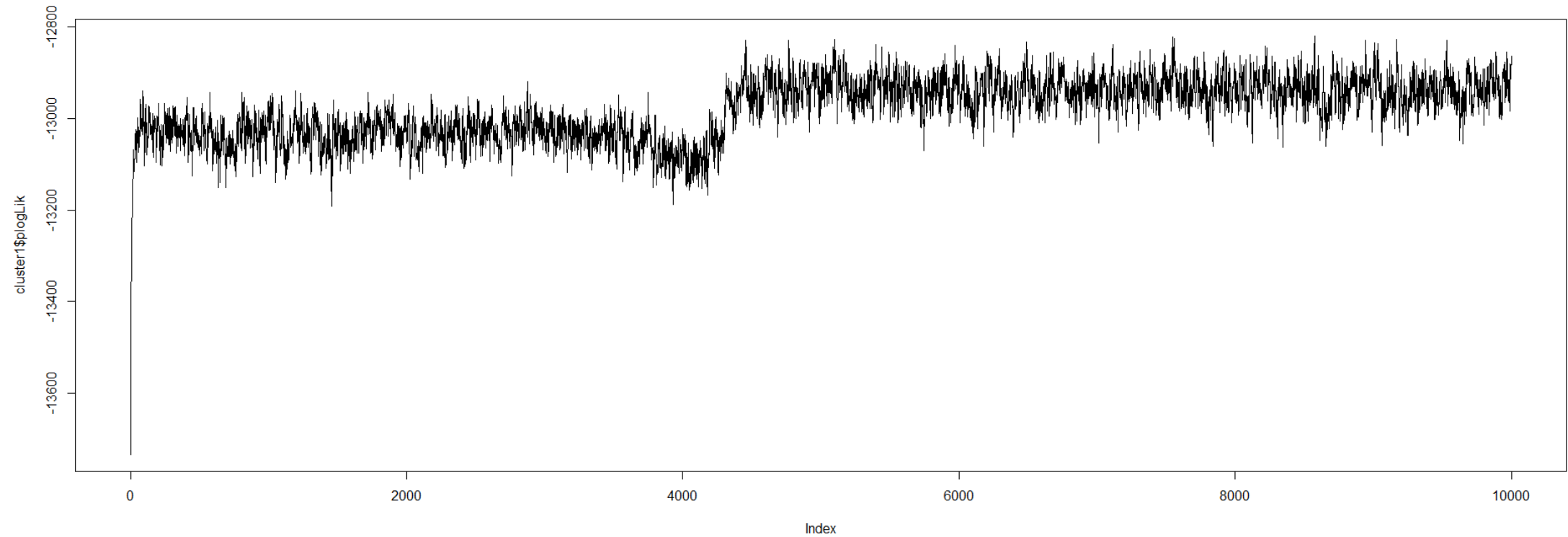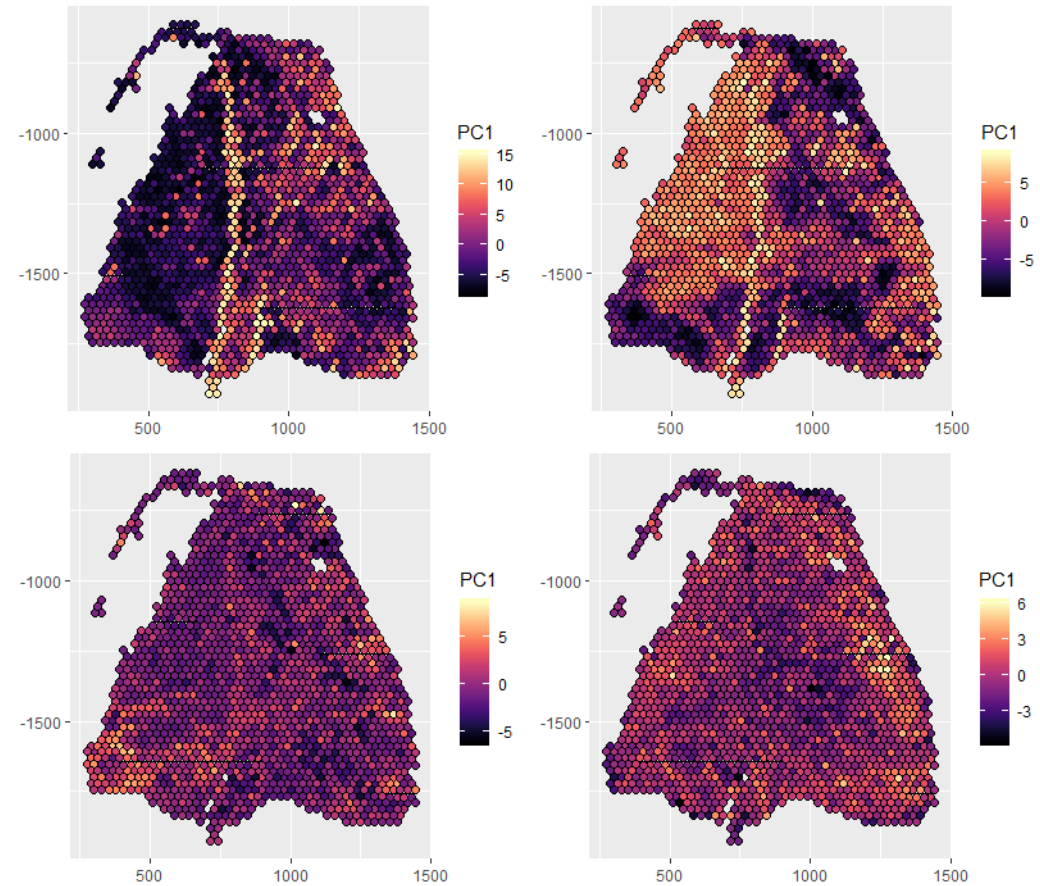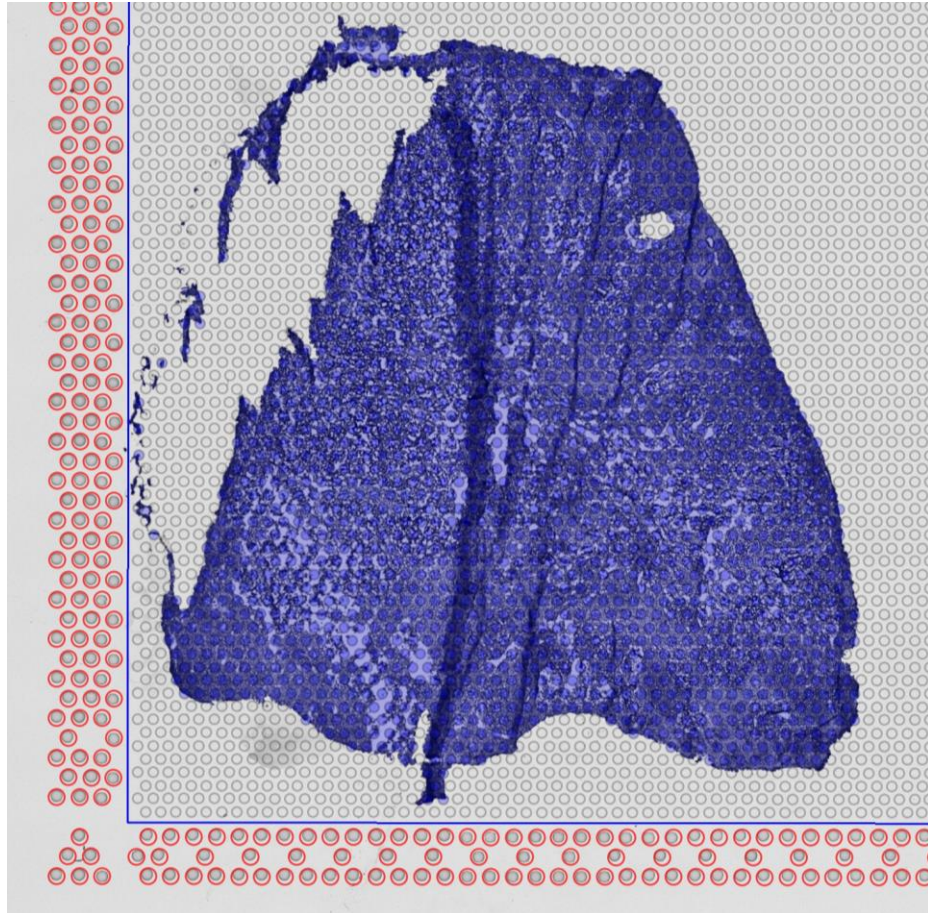# Spatial clustering

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# Performance

- R: ~2 iterations per second
- Rcpp: ~100 iterations per second
  - <3 hours to run 1M iterations

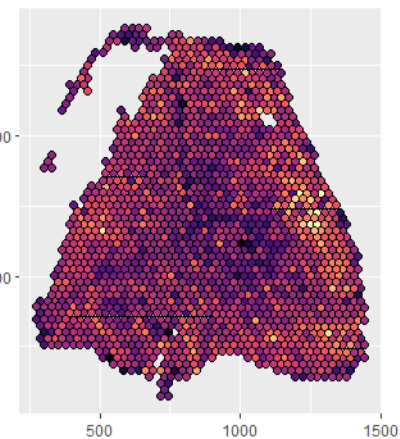# Pseudo-log-likelihood
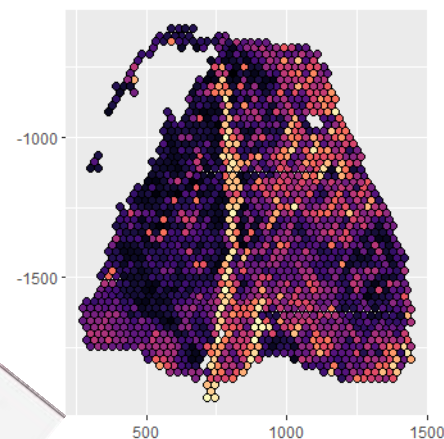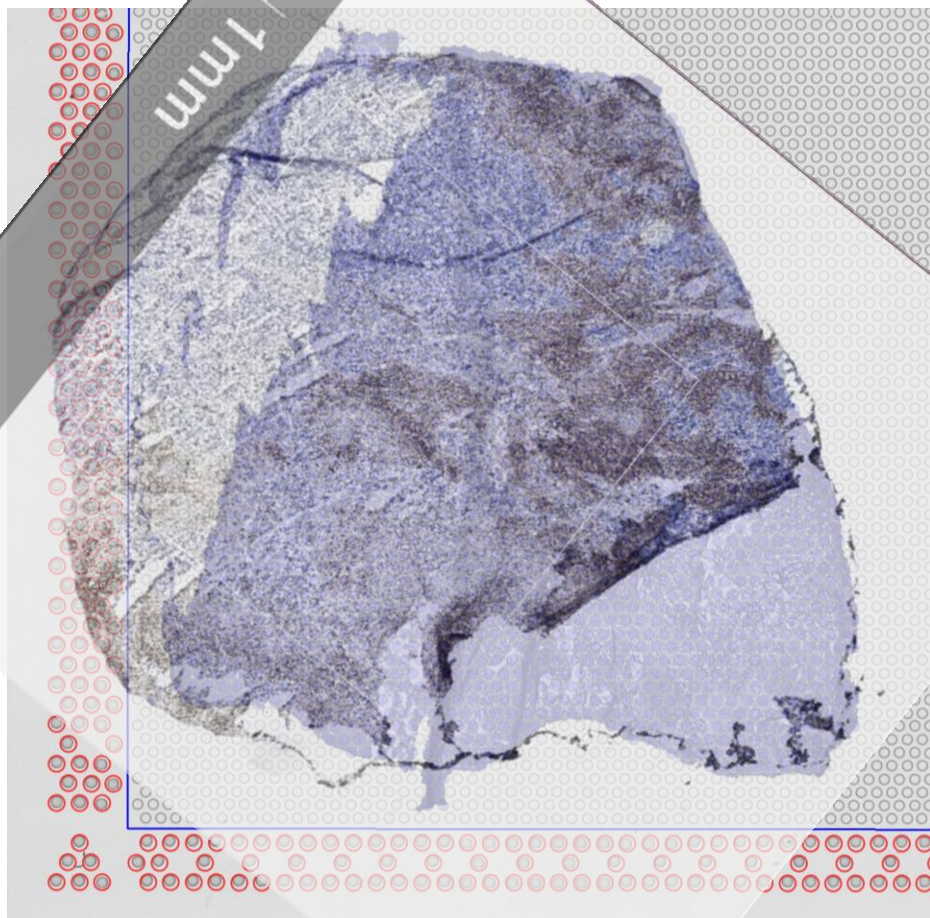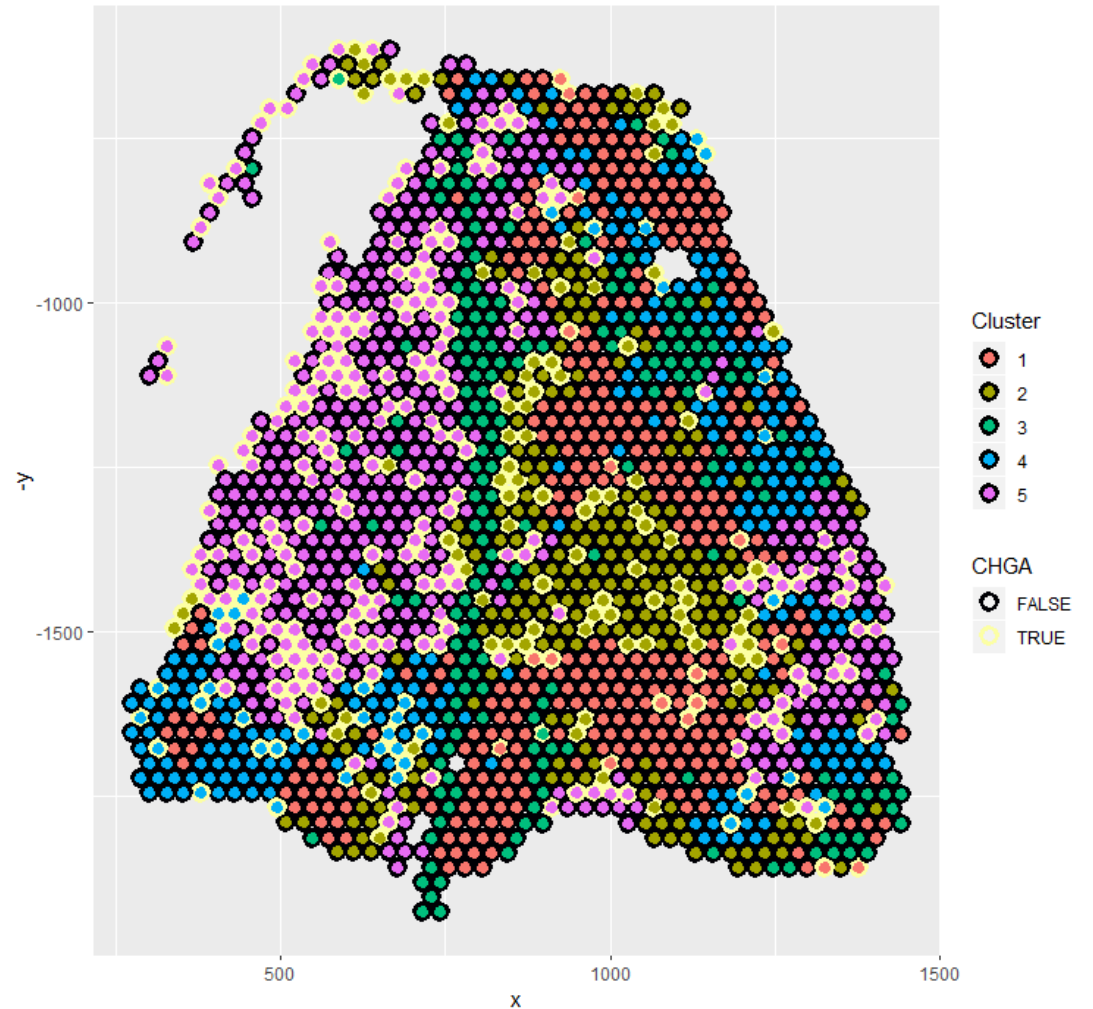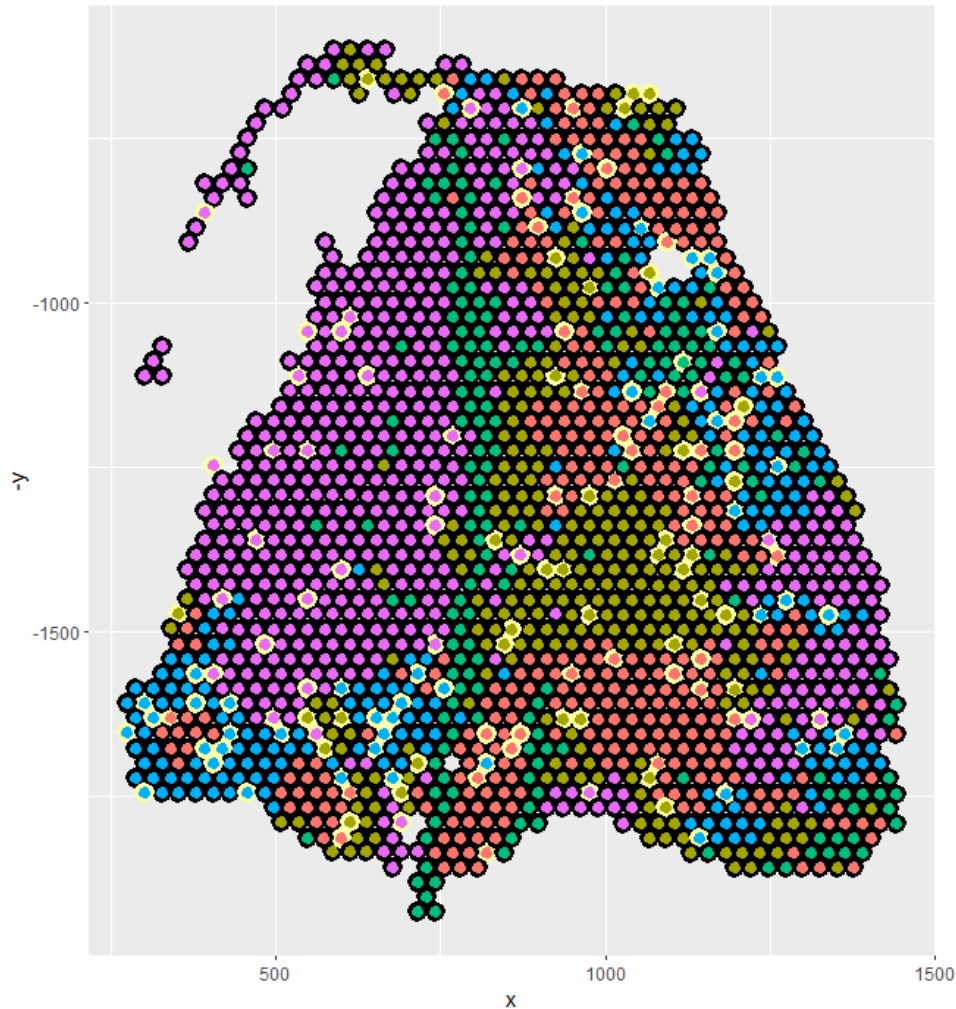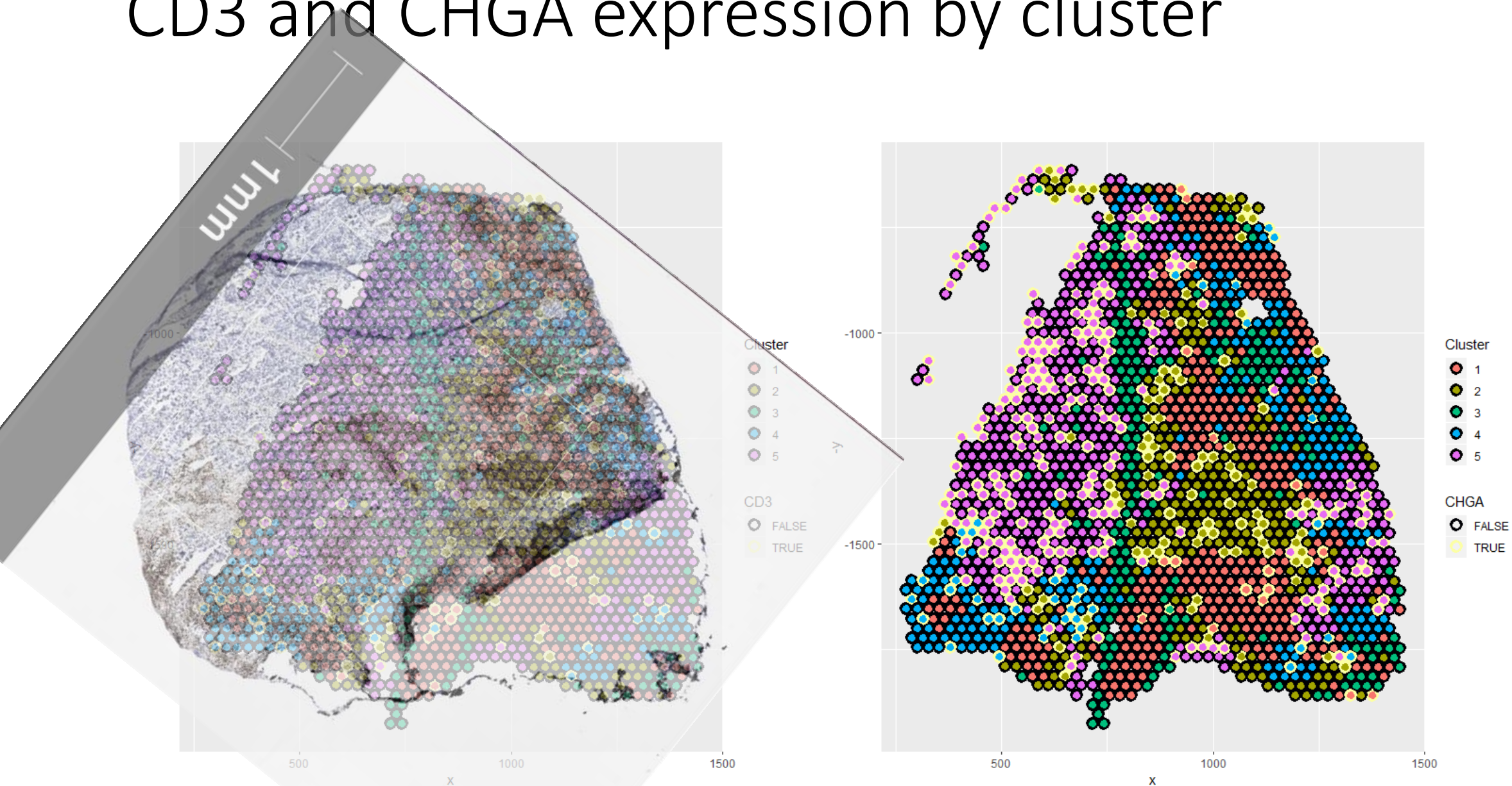
# Sample 28C (Immune Infiltrated)

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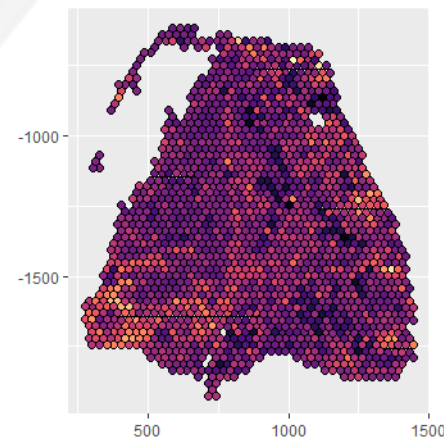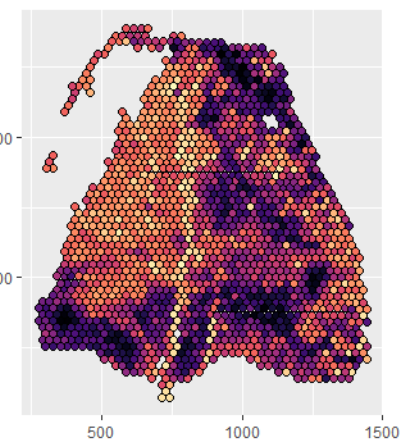
# CD3 and CHGA expression by cluster

# CD3 and CHGA expression by cluster

# Deconvolution

- Will run deconvolution on this sample with a range of smoothing parameters