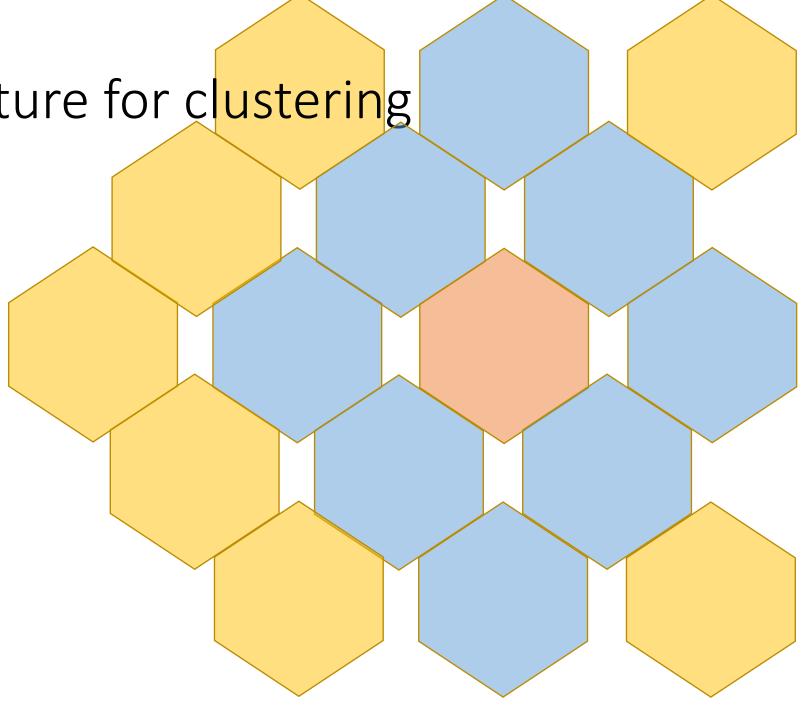
# MCC data spatial clustering and deconvolution

3/23

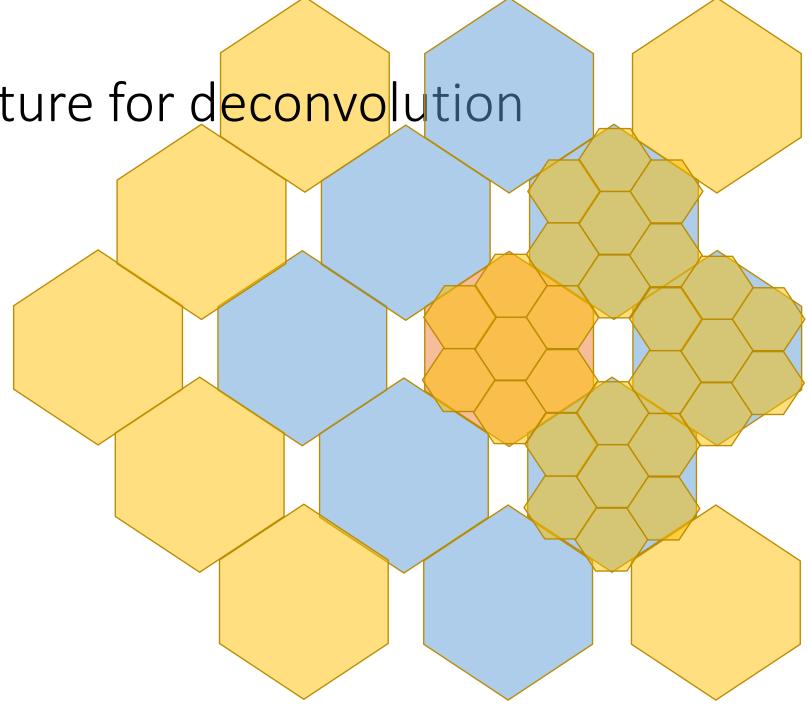
Neighbor structure for clustering

 For any given capture location (orange), we have up to 8 neighboring capture locations (blue) if we use L₁ distance



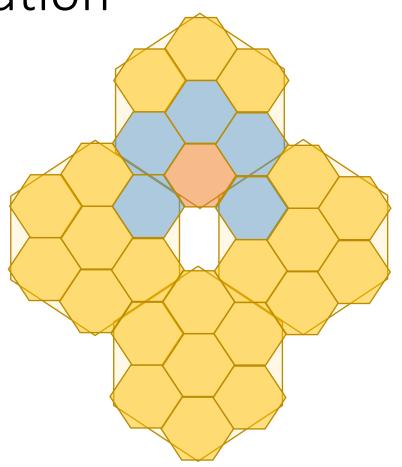
Neighbor structure for deconvolution

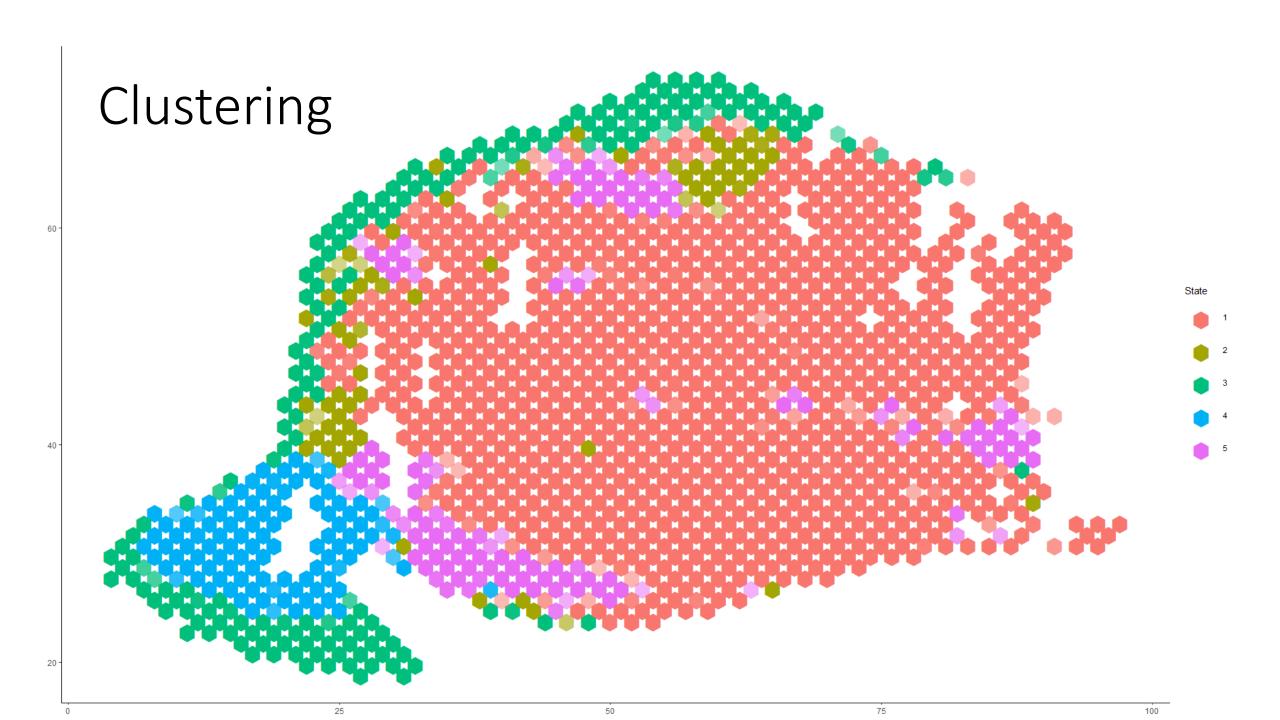
• Each capture location is split into 7 "cells"

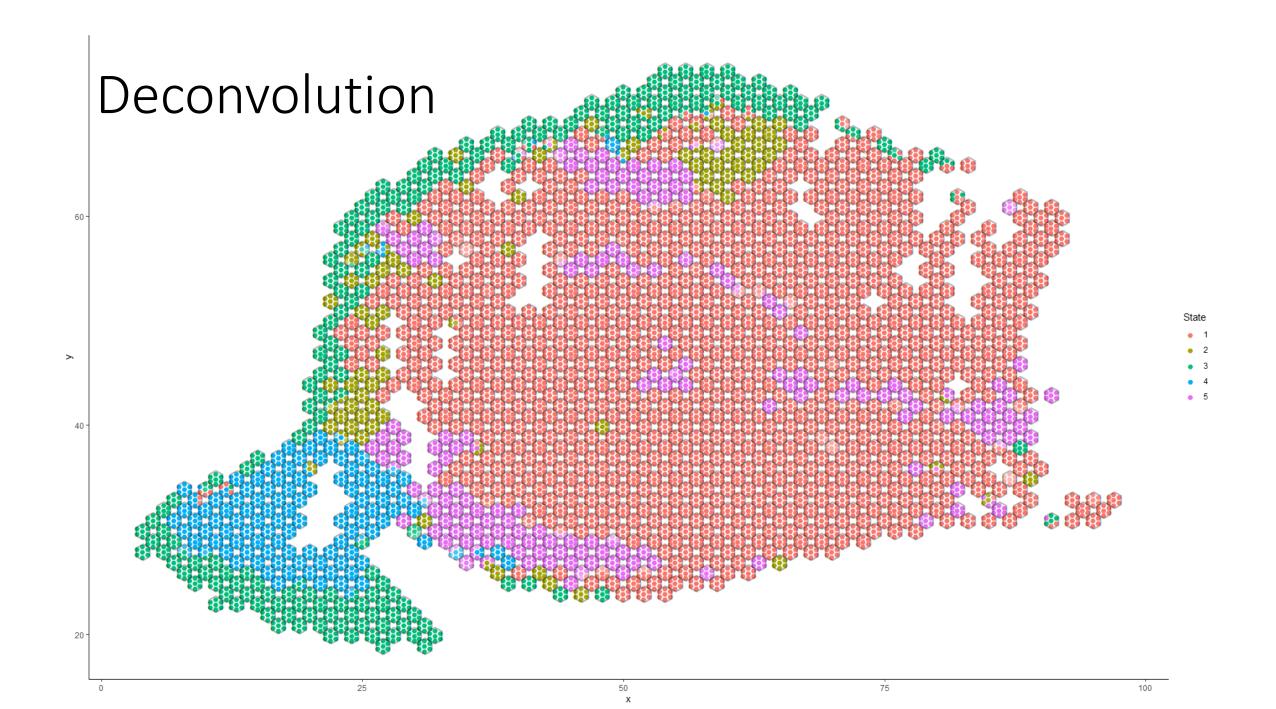


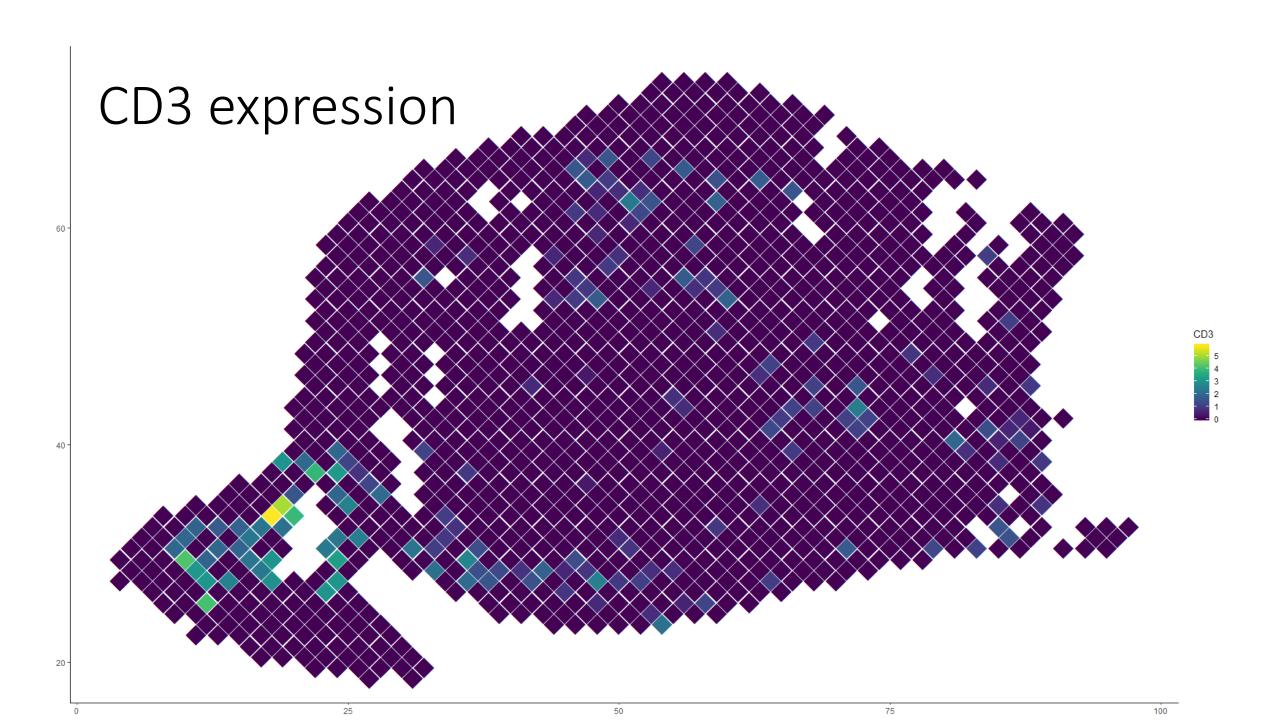
Neighbor structure for deconvolution

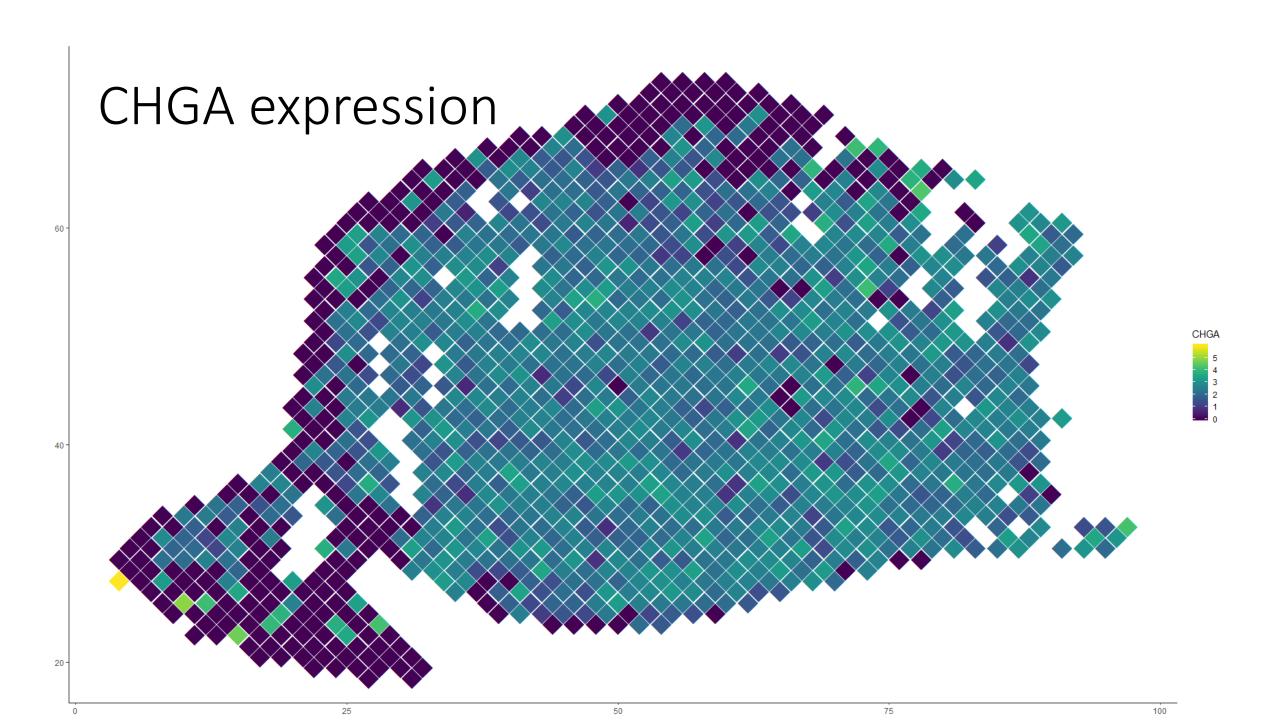
 For any given cell (orange), we have up to 6 neighboring capture locations (blue)

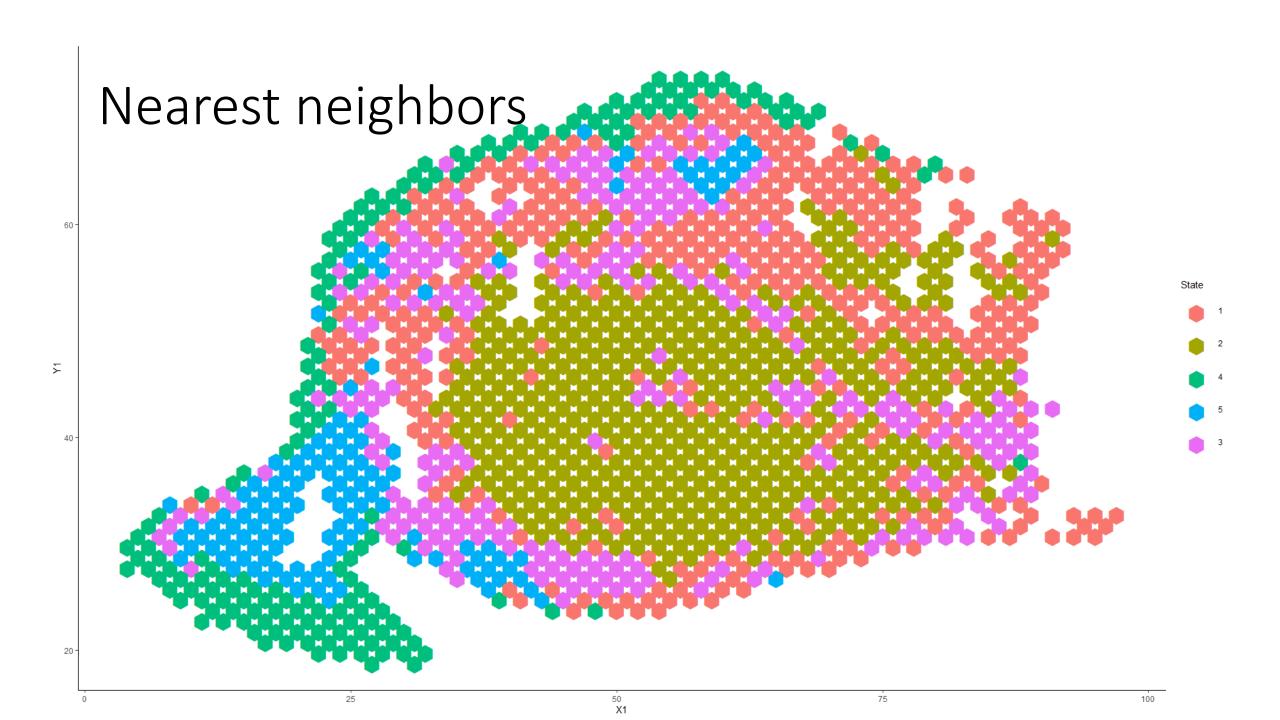




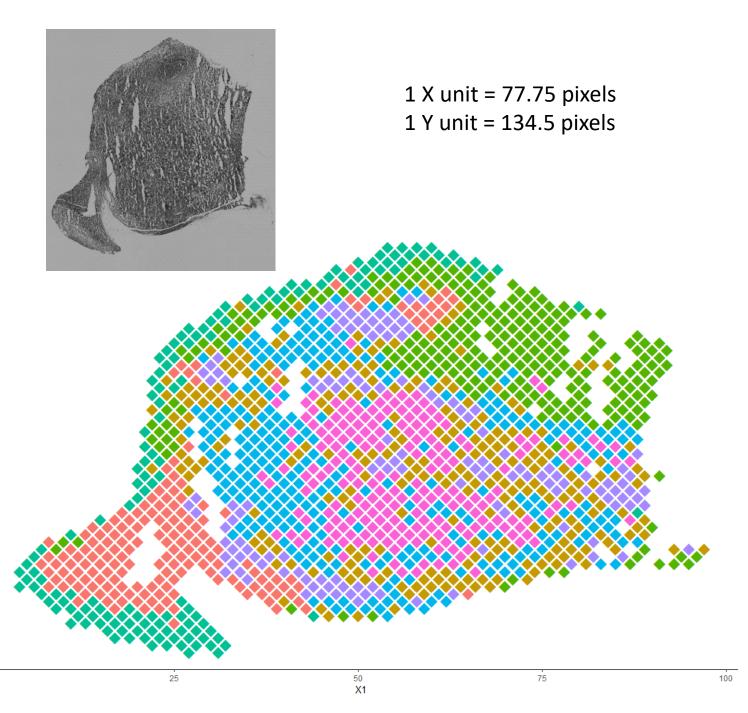




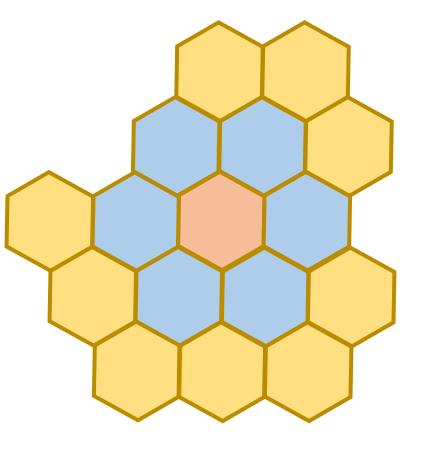


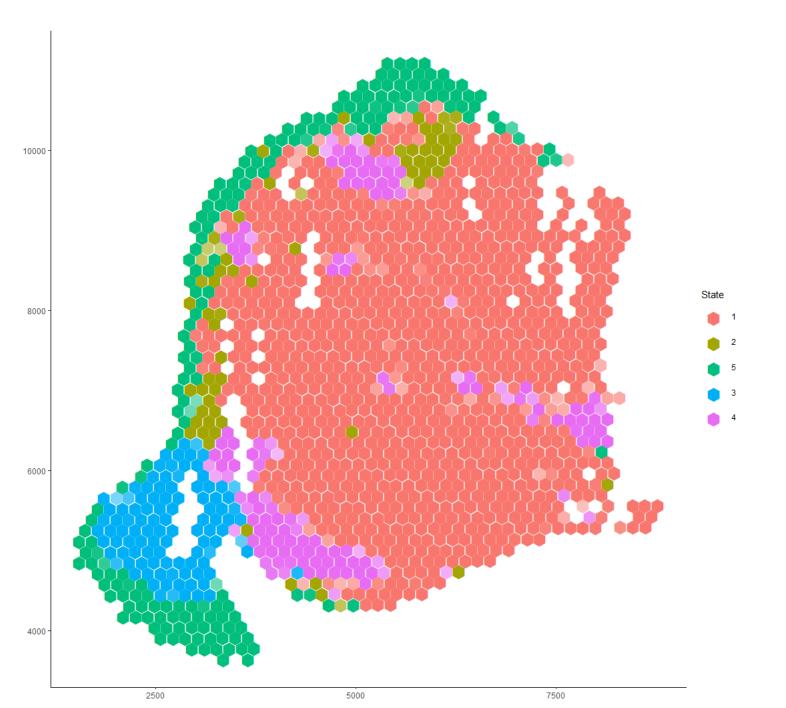


## Coordinate scaling

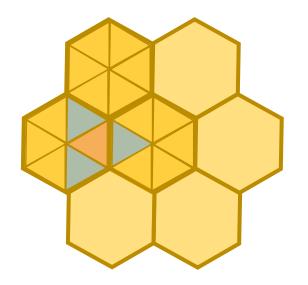


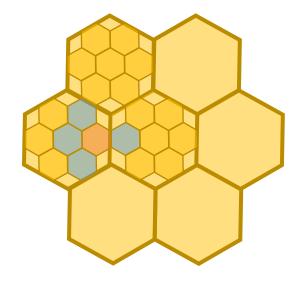
# Clustering

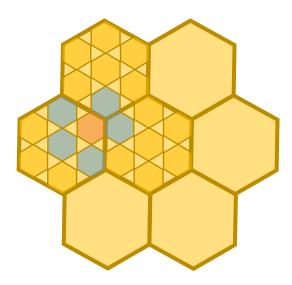




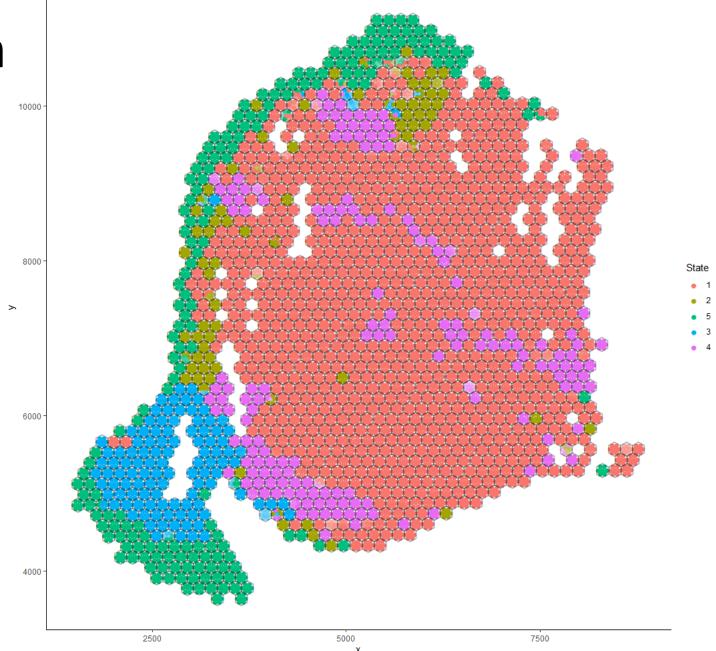
## Deconvolution neighbor structures

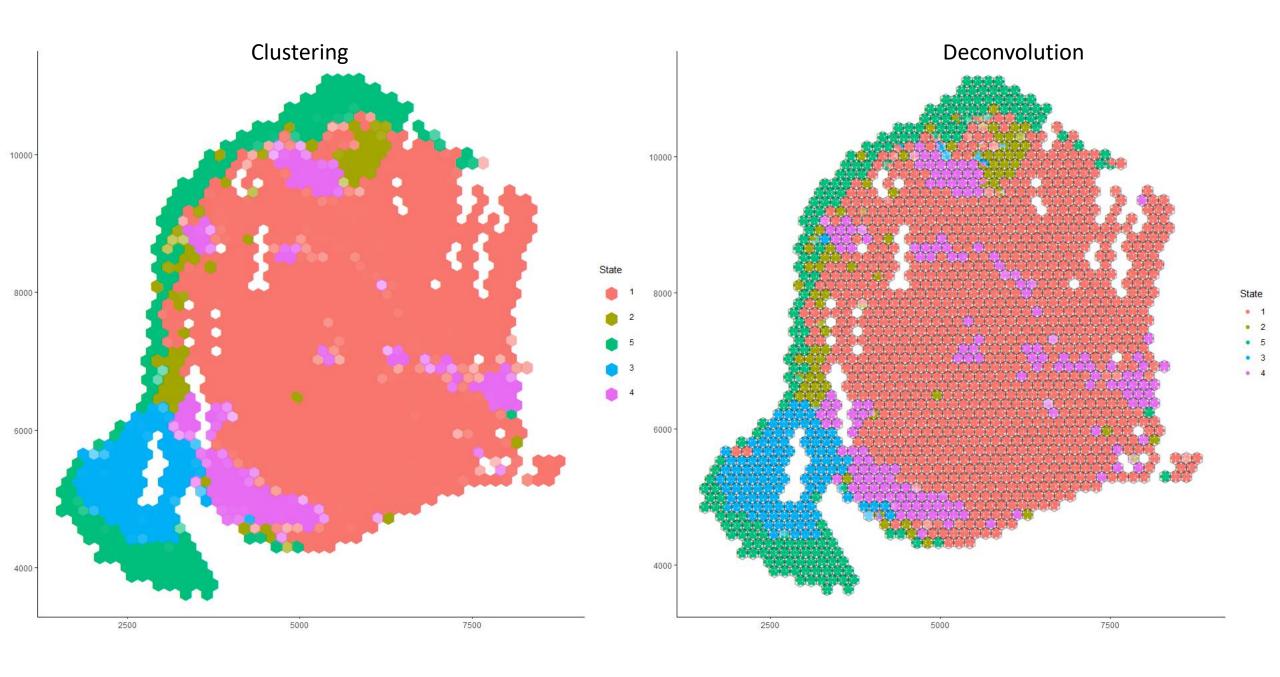






#### Deconvolution





### Acceptance probability with sigma = 1/50

