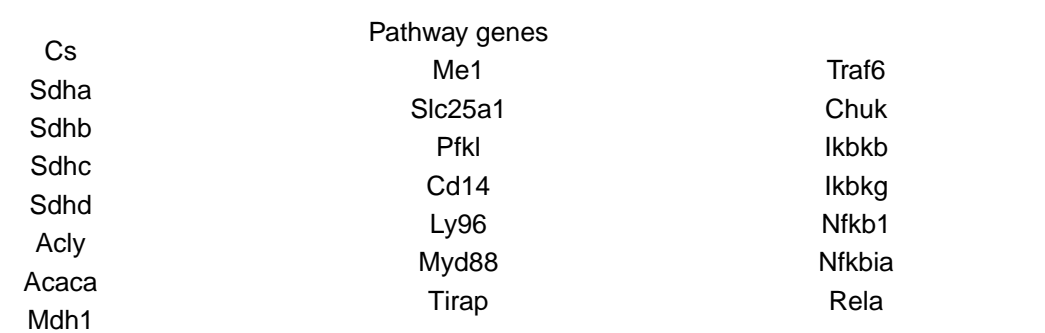
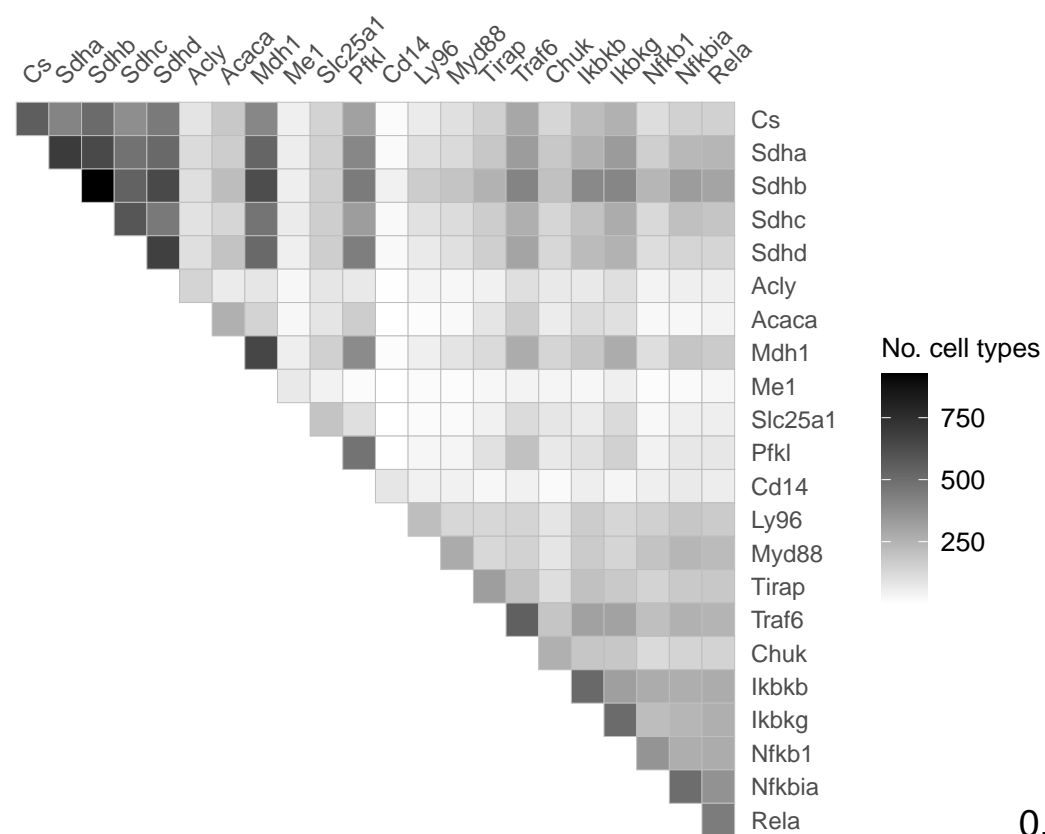


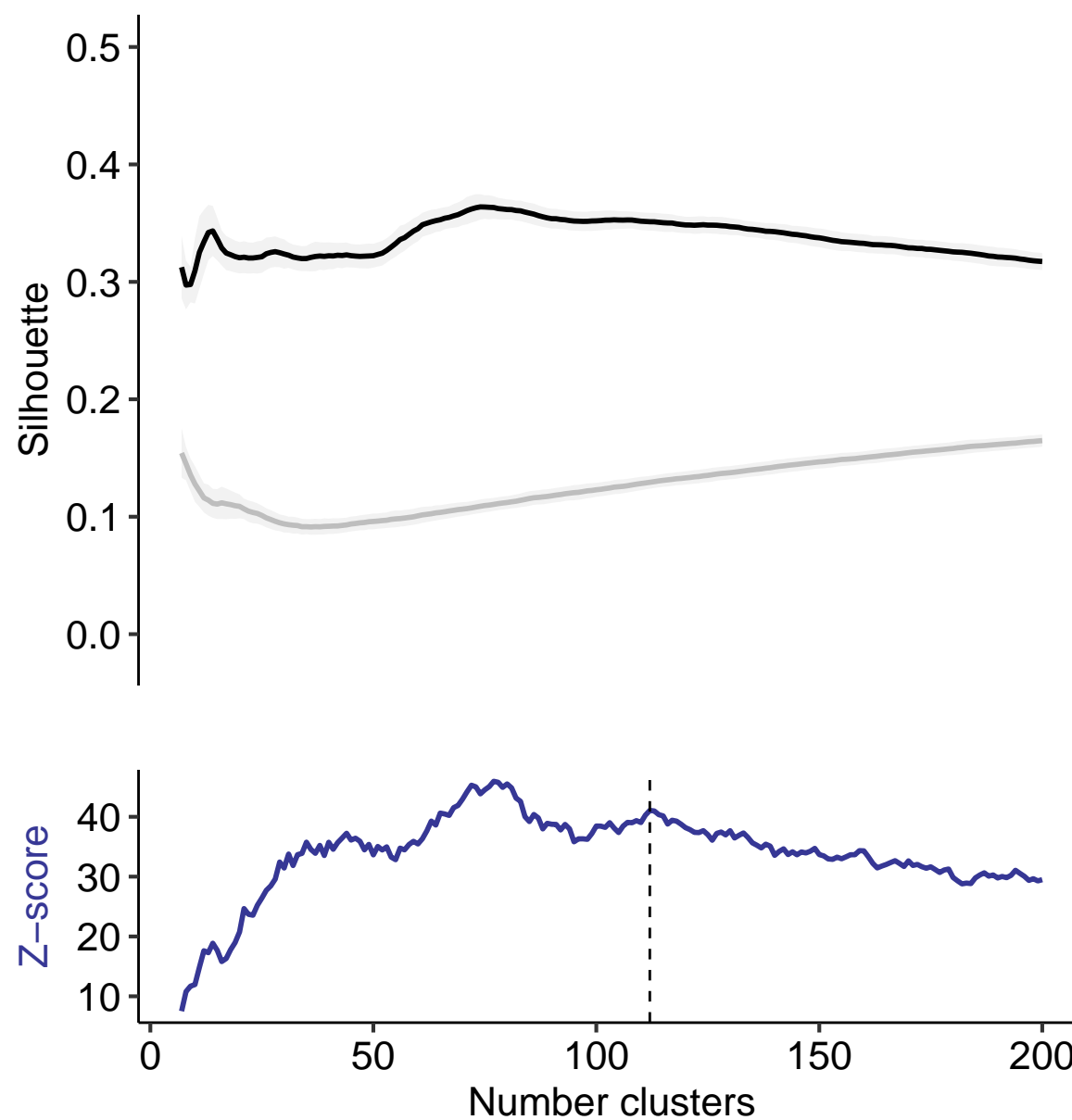
## LPS and Citrate Signaling and Inflammation (k\_opt = 112)



## Gene Co-Expression Above Threshold

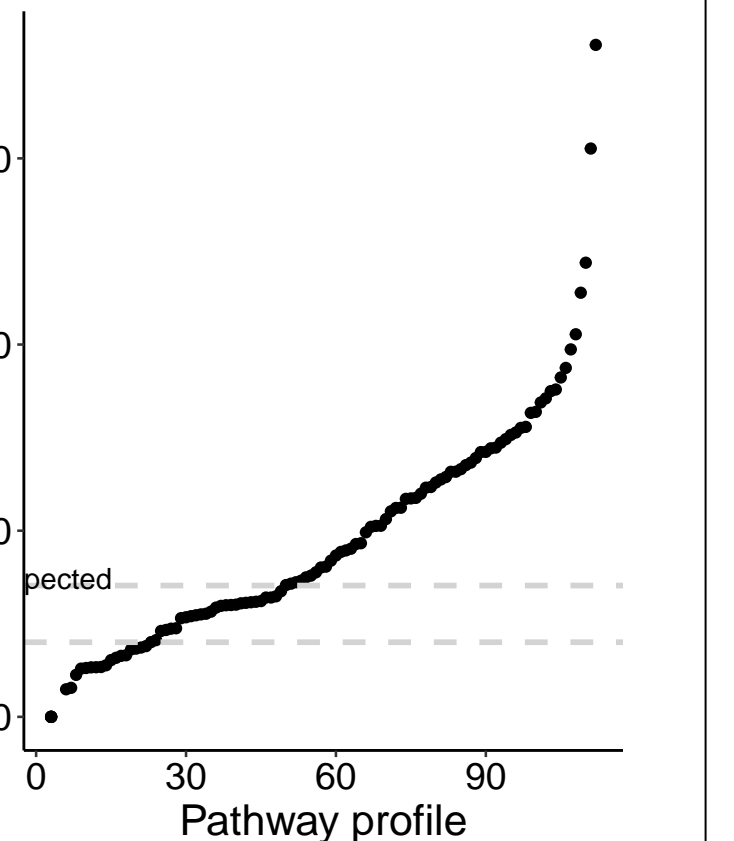


### Silhouette and Z-score



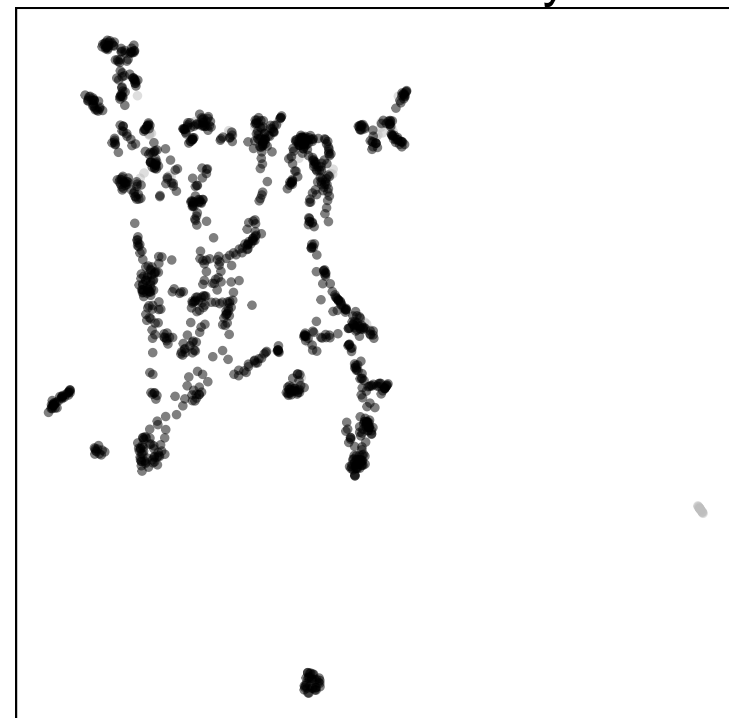
Number clusters

### Profile Dispersion Plot

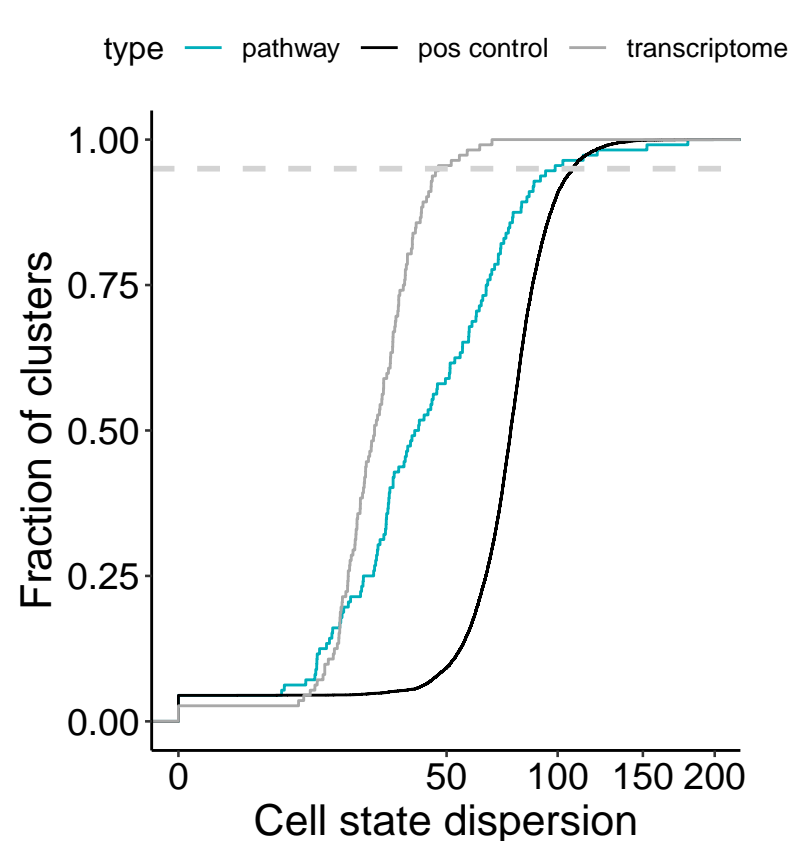


## Pathway profile

## Global UMAP: Pathway ON

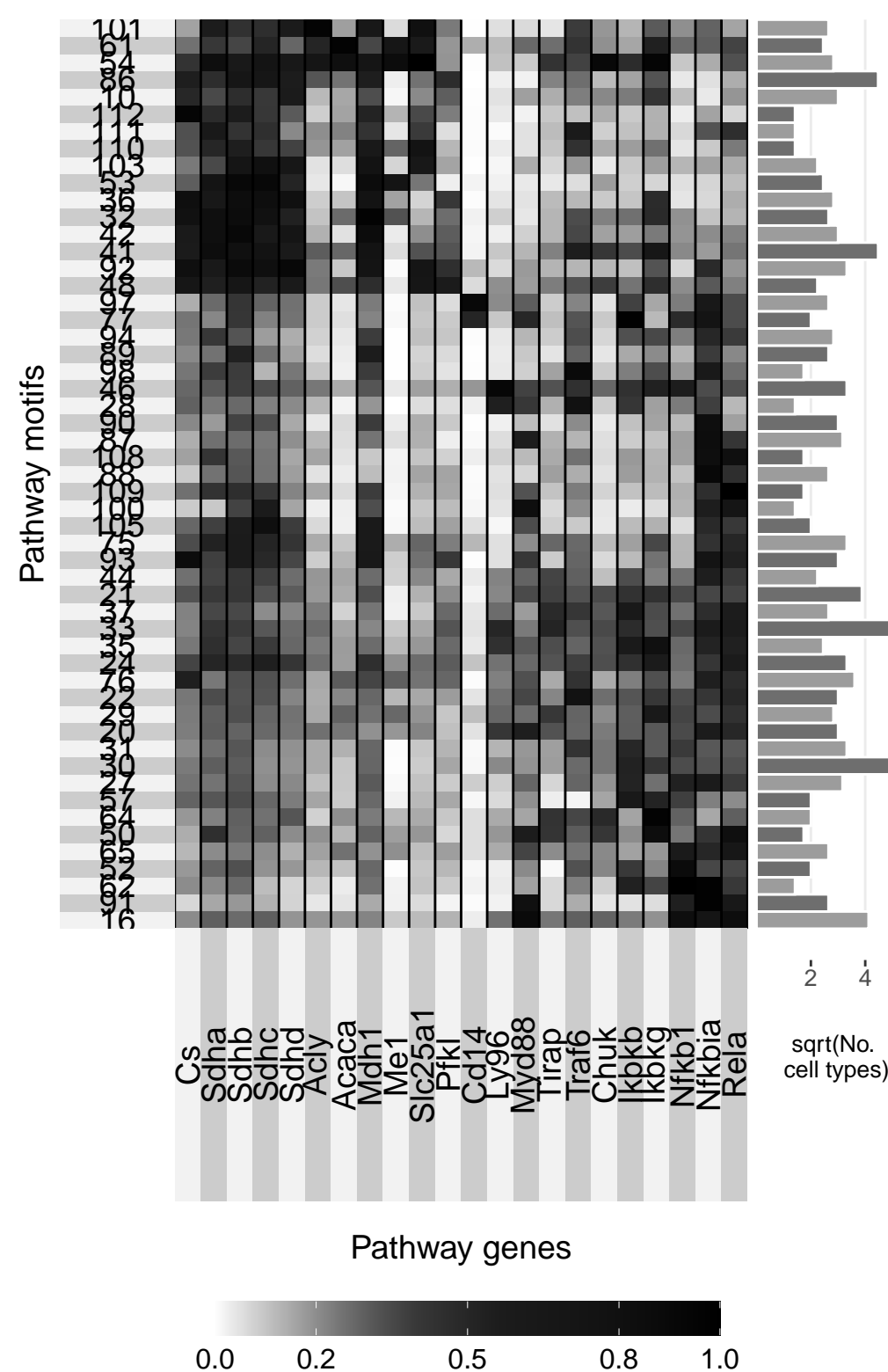


ECDF of Profile Dispersions

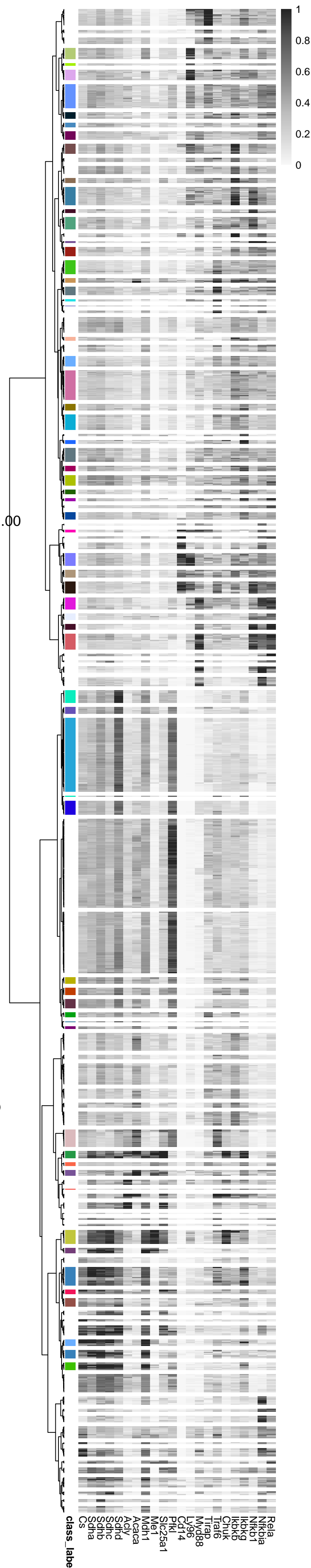
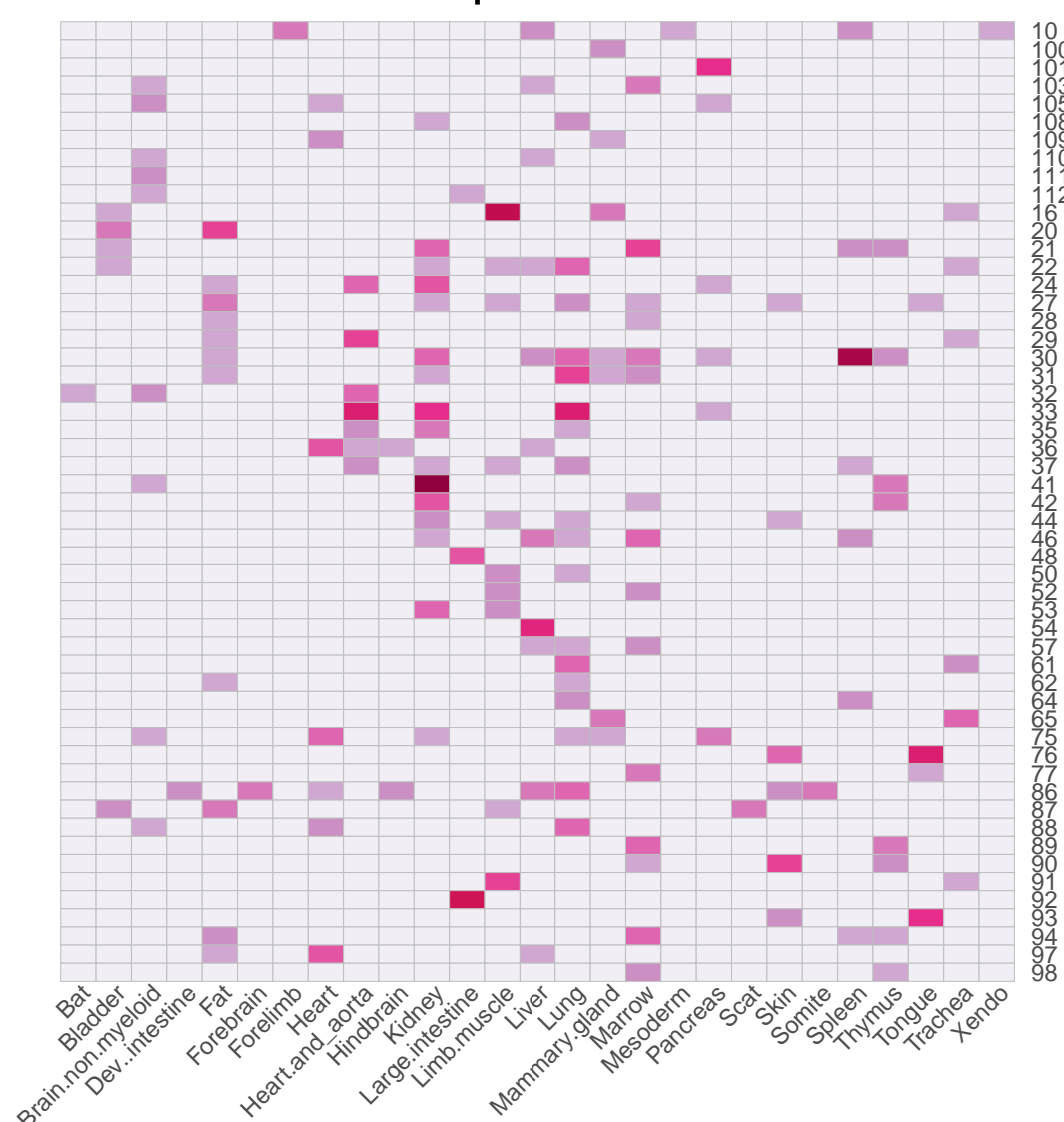


## Cell state dispersion

Motifs, Dispersion  $\geq 90^{\text{th}}$  percentile



## Motif Tissue Composition



# LPS and Citrate Signaling and Inflammation (k\_opt = 112)

