

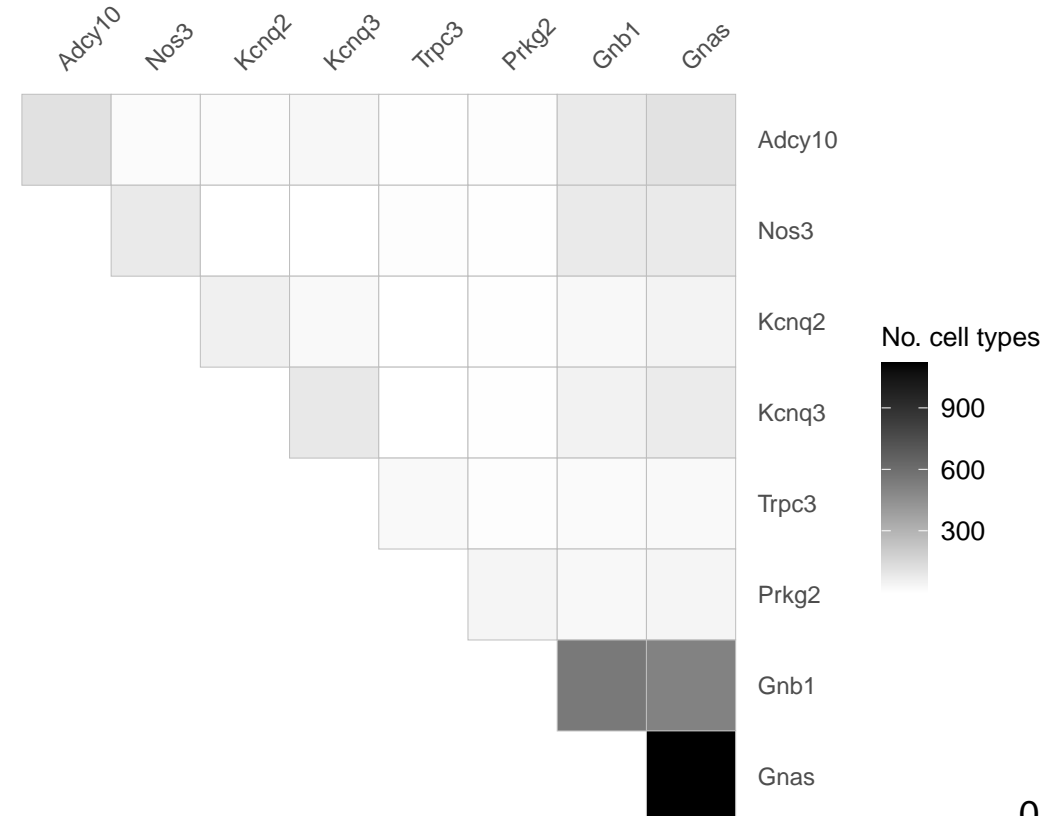
# Ion Channels and Their Functional Role in Vascular Endothelium (k\_opt = 32)

Adcy10  
Nos3  
Kcnq2

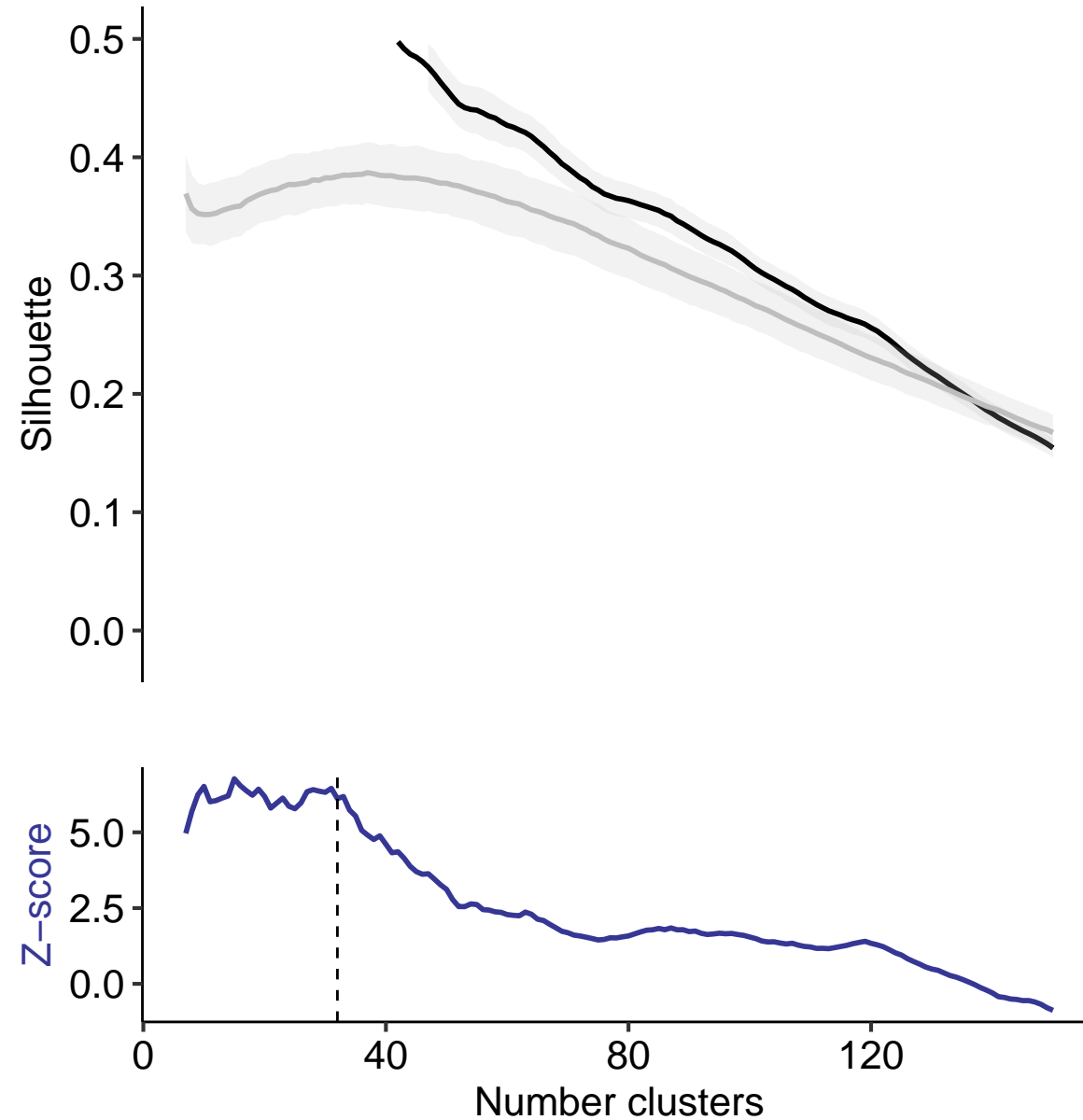
Pathway genes  
Kcnq3  
Trpc3

Prkg2  
Gnb1  
Gnas

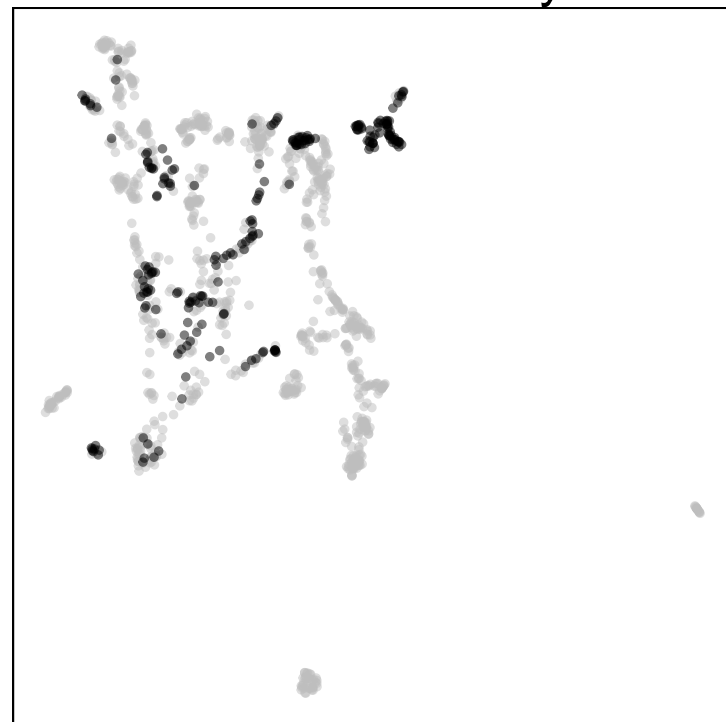
Gene Co-Expression Above Threshold



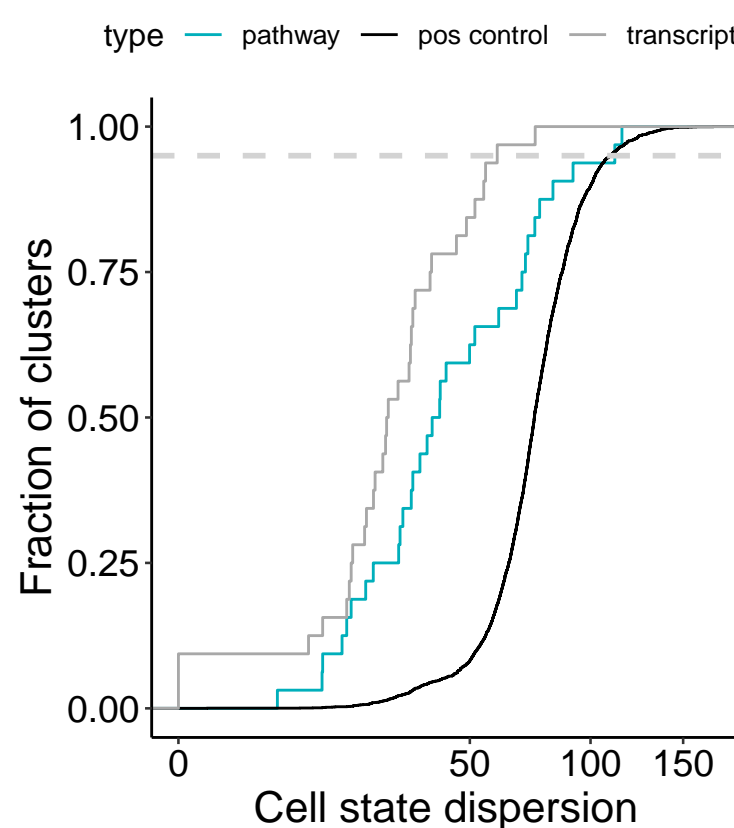
Silhouette and Z-score



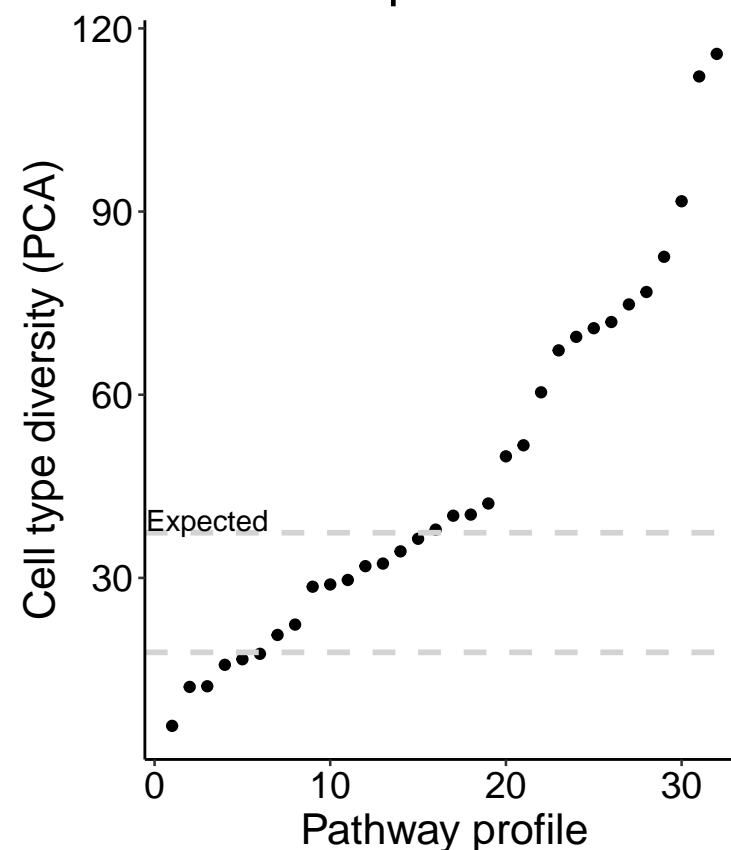
Global UMAP: Pathway ON



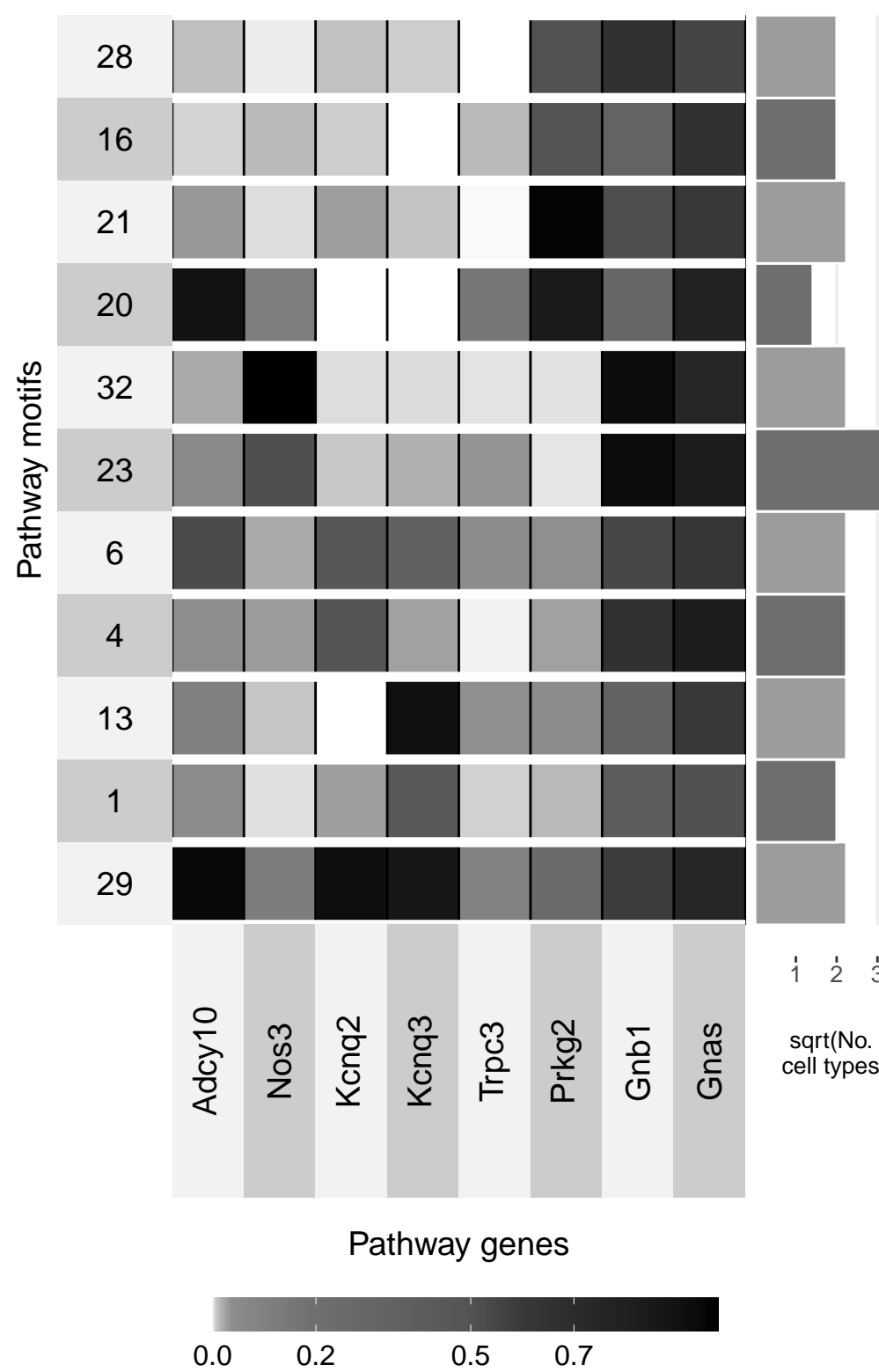
ECDF of Profile Dispersions



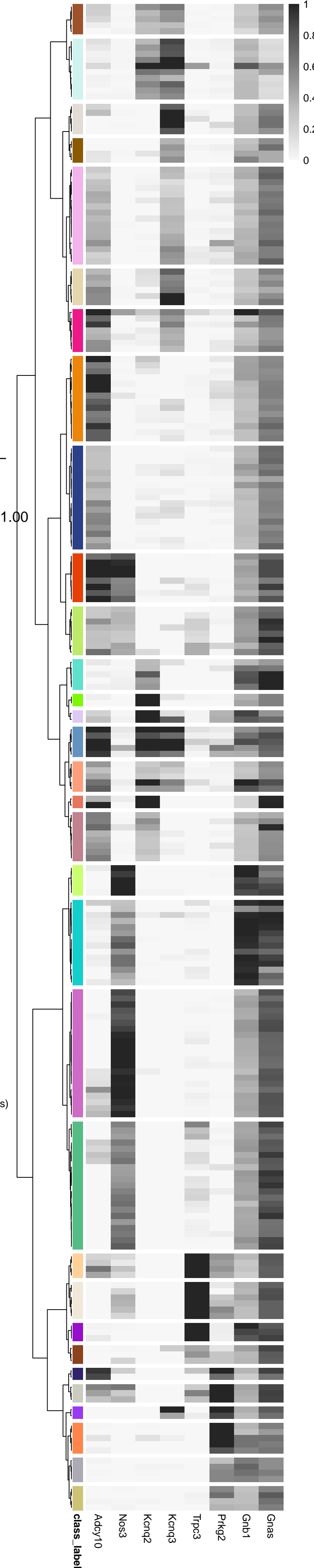
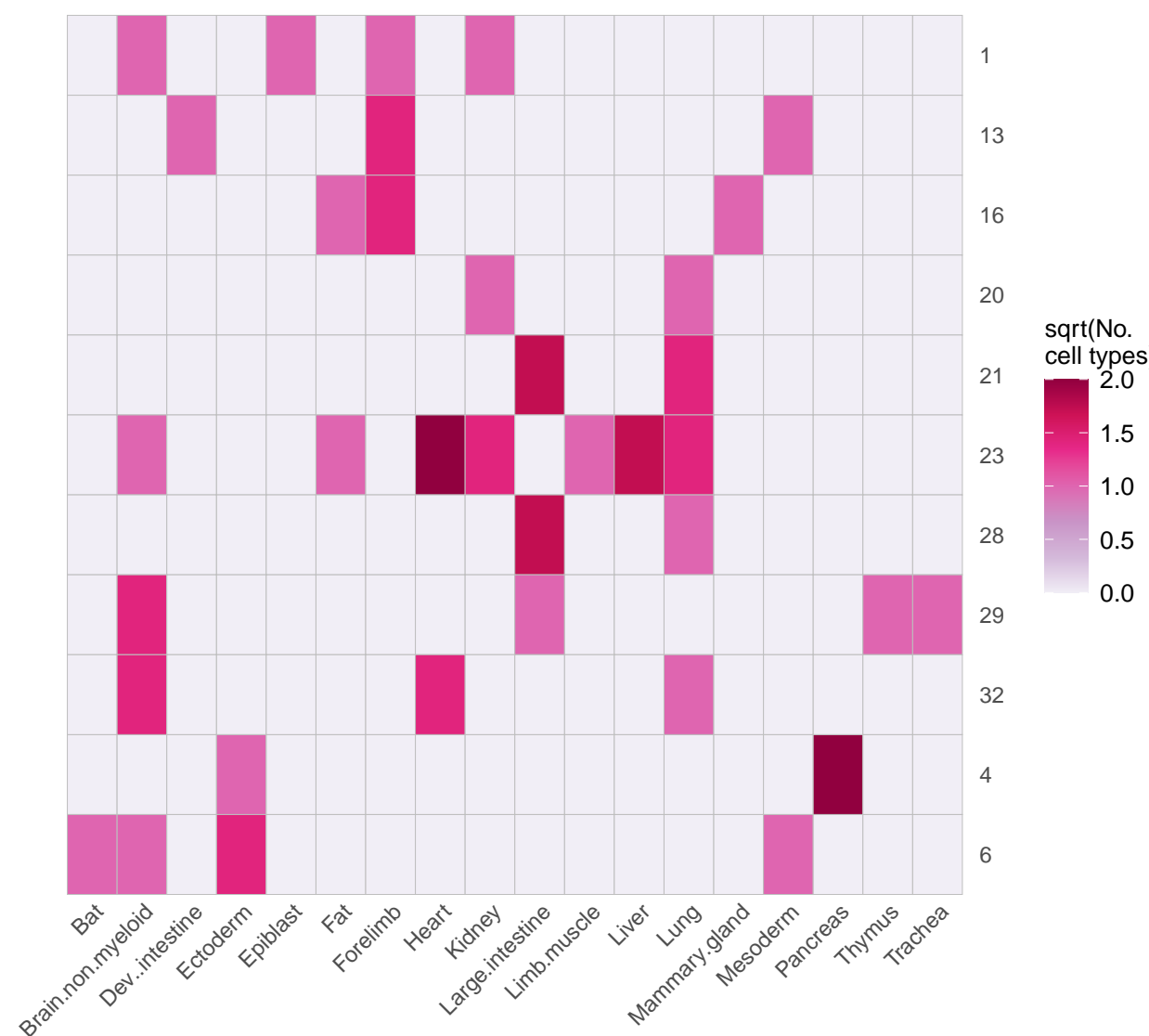
Profile Dispersion Plot



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



Motif Tissue Composition



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