

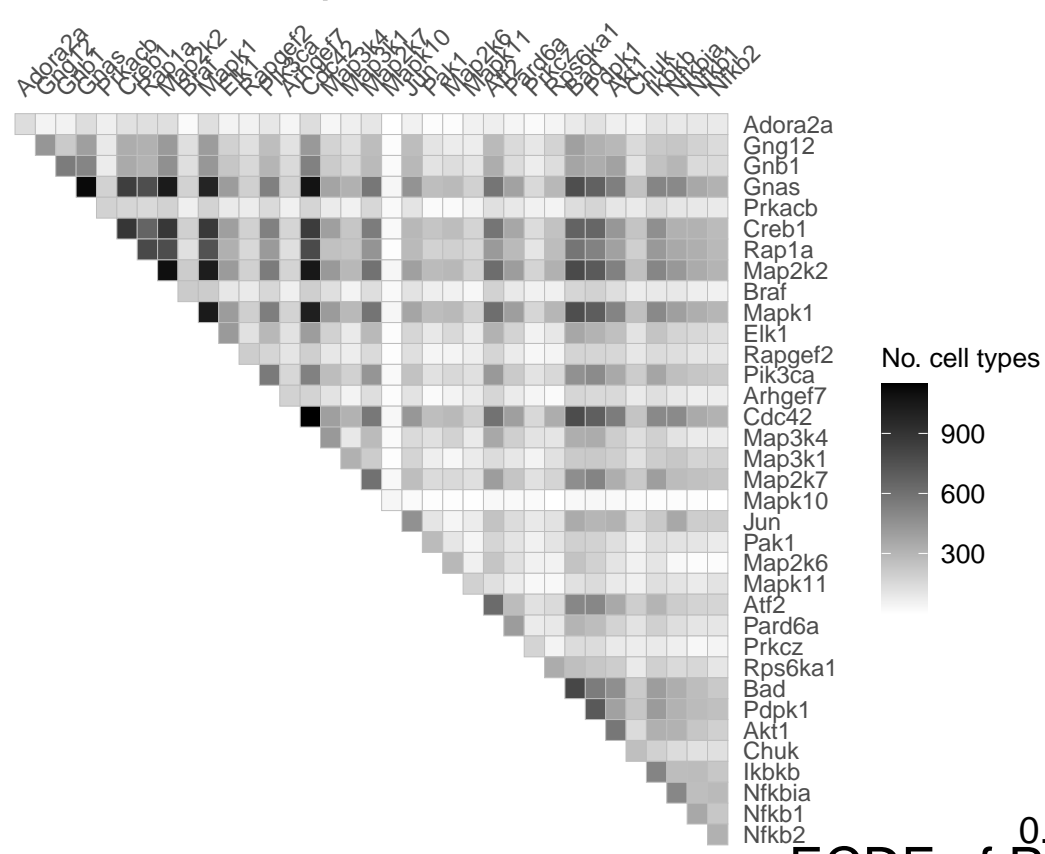
Cellular Signalling Through Adenosine Receptor A2a and Adenosine (k_opt =

Adora2a
Gng12
Gnb1
Gnas
Prkacb
Creb1
Rap1a
Map2k2
Braf
Mapk1
Elk1

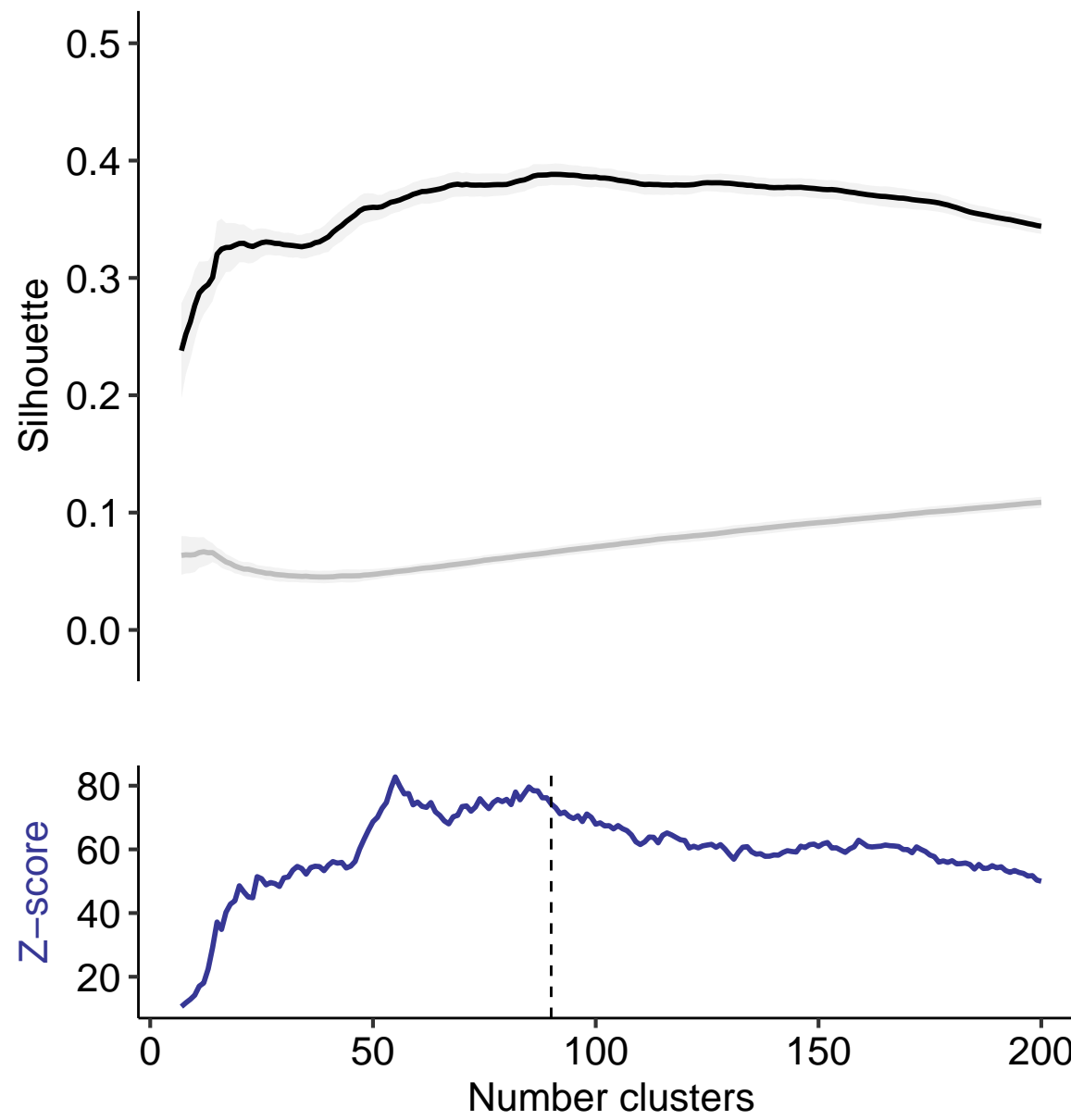
Pathway genes
Pik3ca
Arhgef7
Cdc42
Map3k4
Map3k1
Map2k7
Mapk10
Jun
Pak1
Map2k6
Mapk11

Atf2
Pard6a
Prkcz
Rps6ka1
Bad
Pdpk1
Akt1
Chuk
Ikbkb
Nfkb1a
Nfkb1

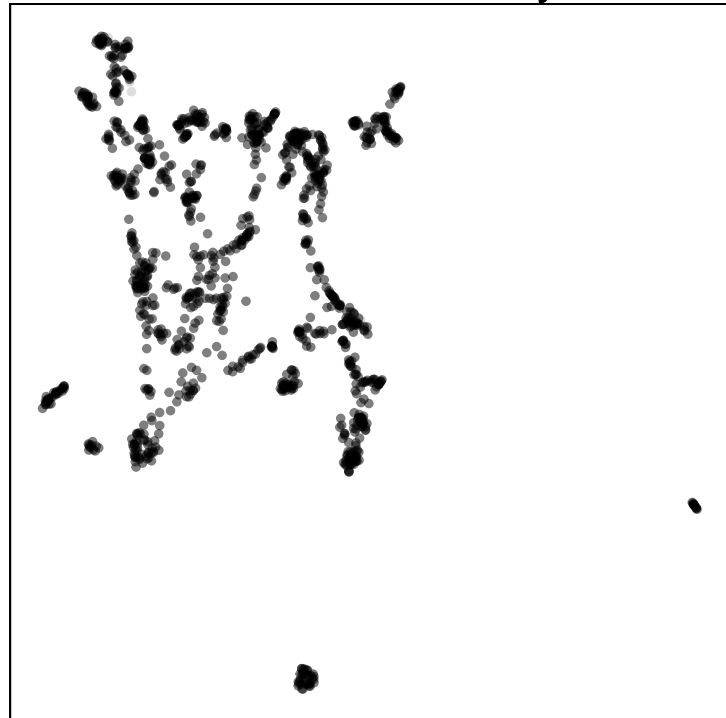
Gene Co-Expression Above Threshold



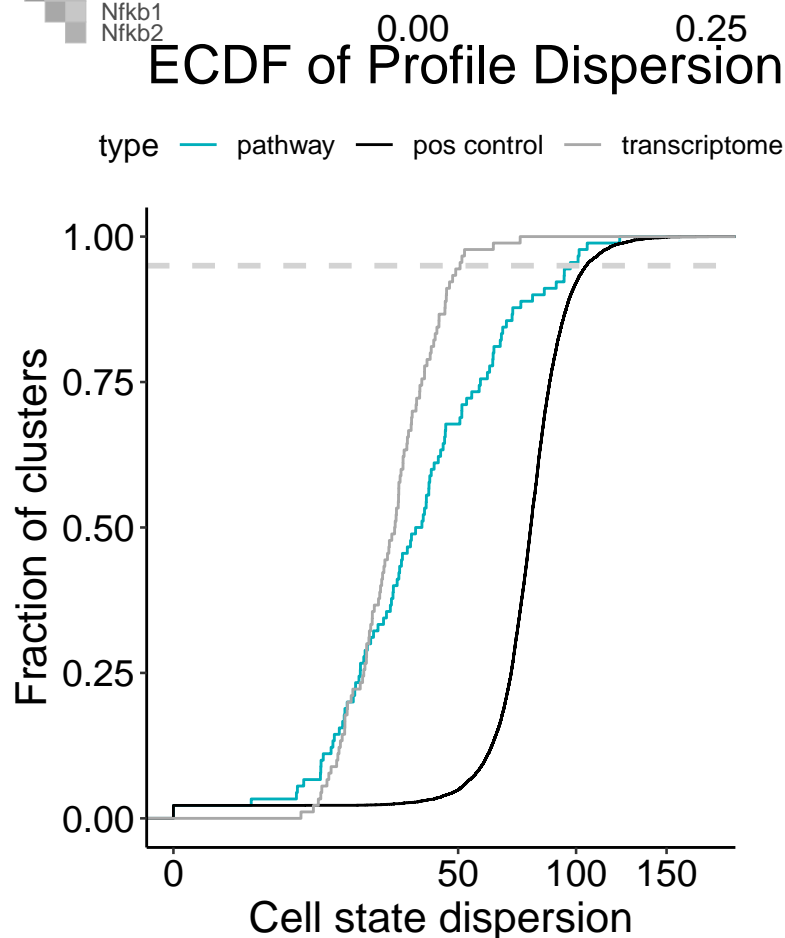
Silhouette and Z-score



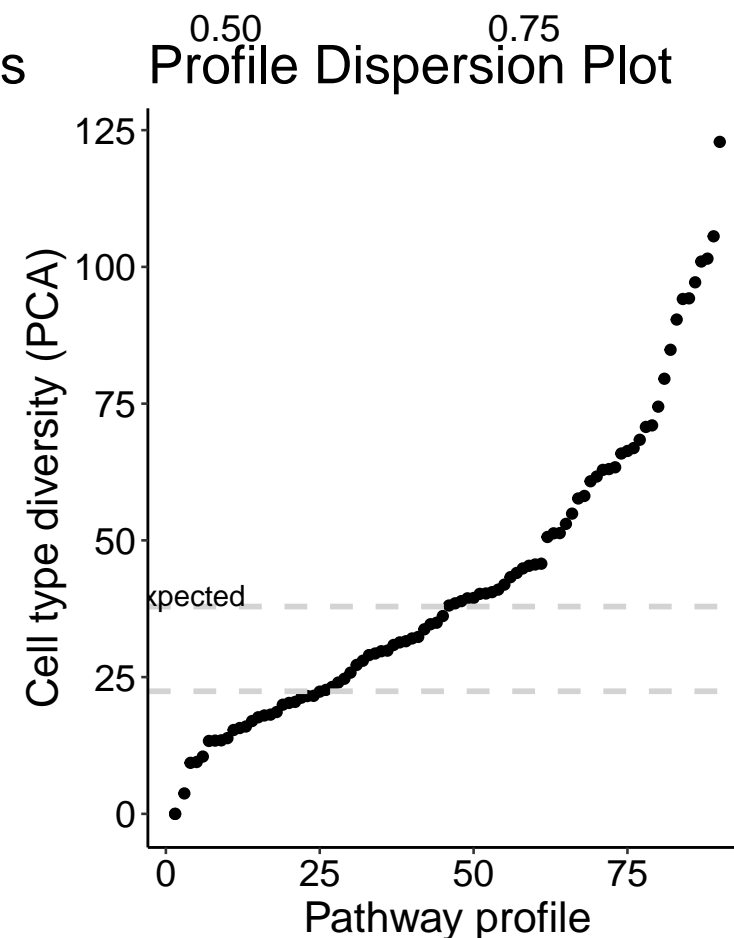
Global UMAP: Pathway ON



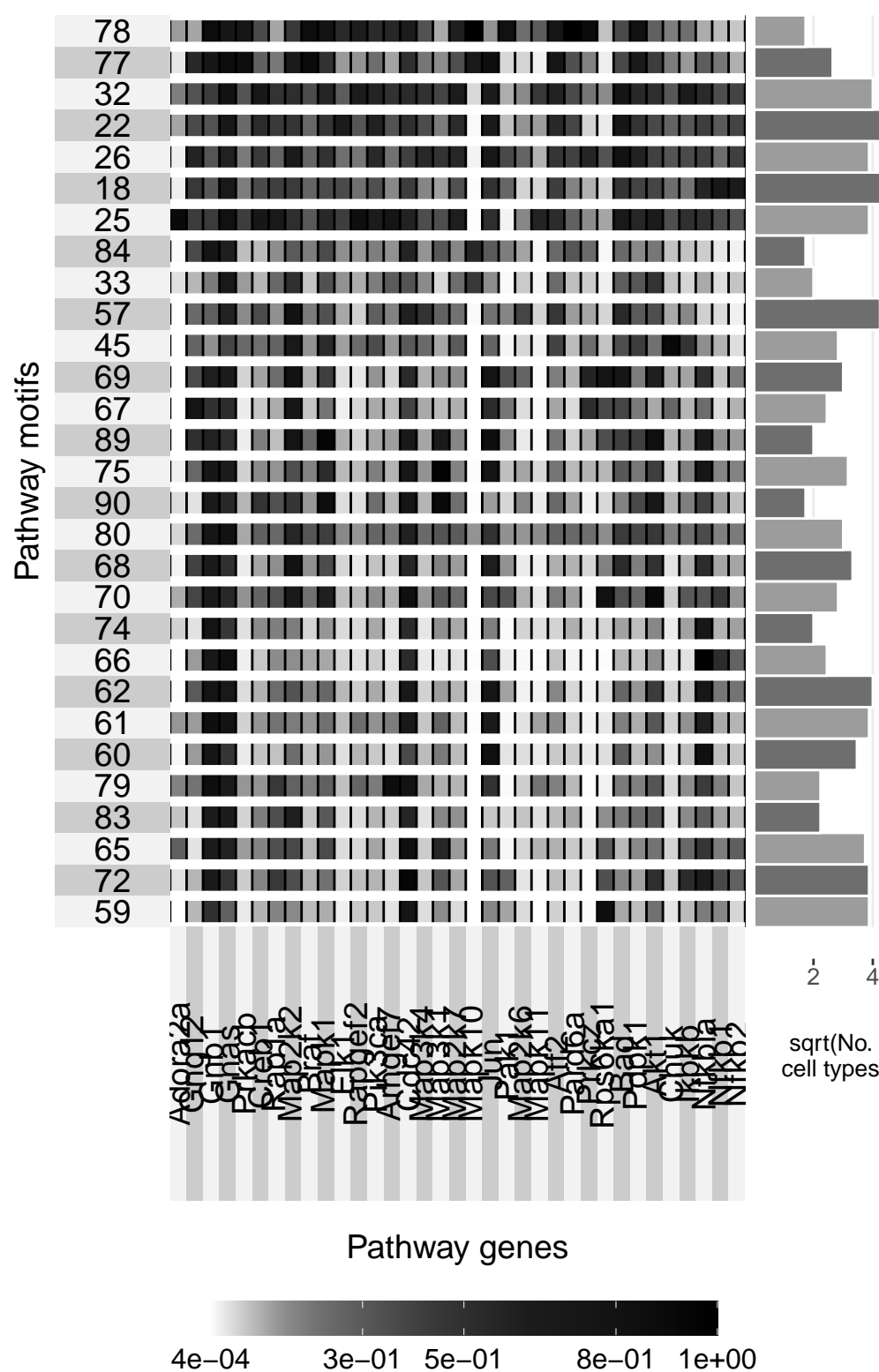
ECDF of Profile Dispersions



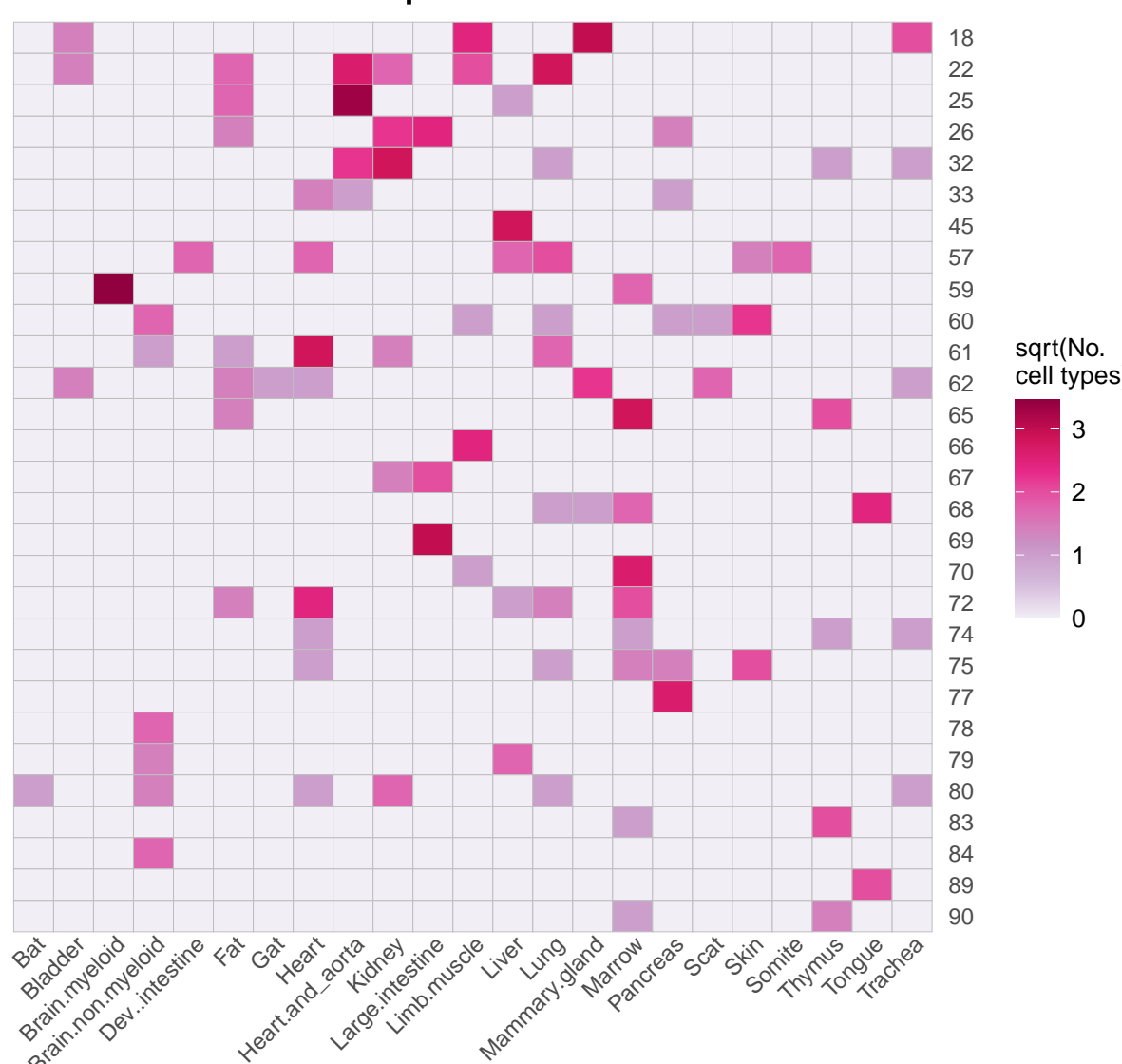
Profile Dispersion Plot



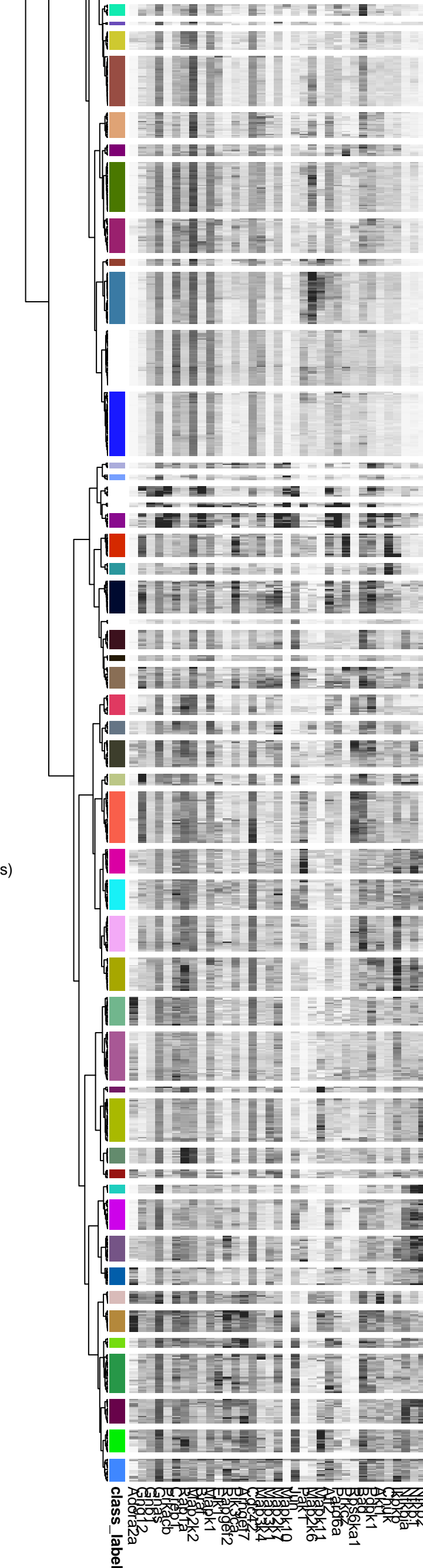
Motifs, Dispersion $\geq 90^{\text{th}}$ percentile



Motif Tissue Composition



1.00



Cellular Signalling Through Adenosine Receptor A2a and Adenosine (k_opt =

