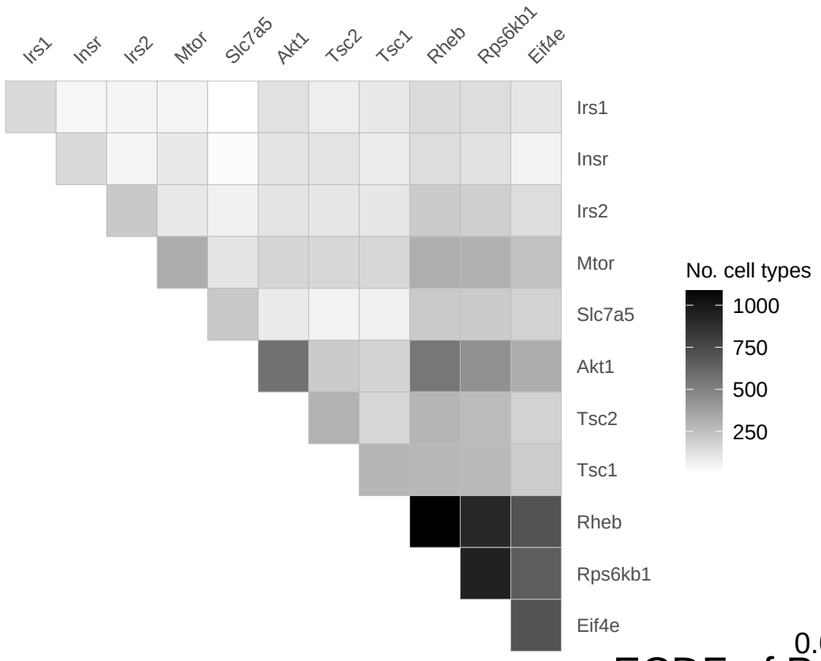
Leucine Stimulation on Insulin Signaling (k_opt = 34)

Irs1
Insr
Irs2
Mtor

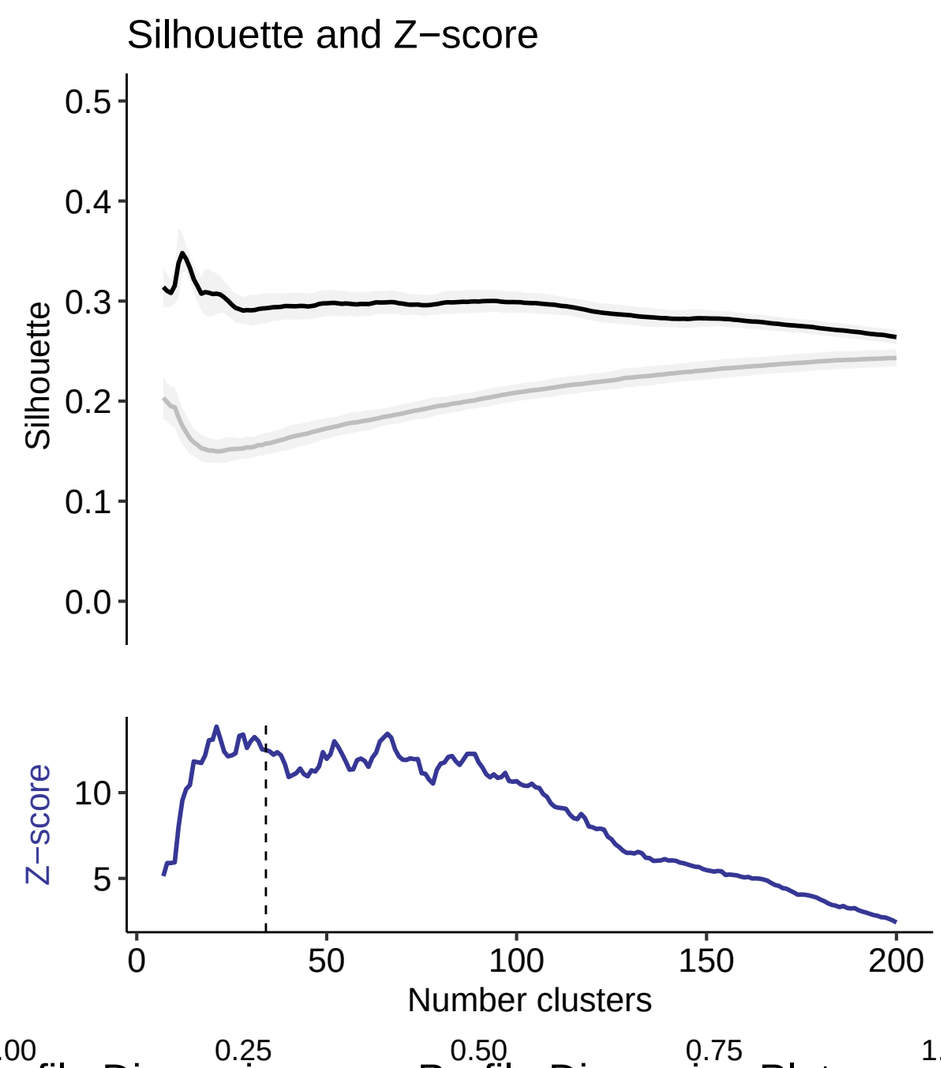
Pathway genes
Slc7a5
Akt1
Tsc2

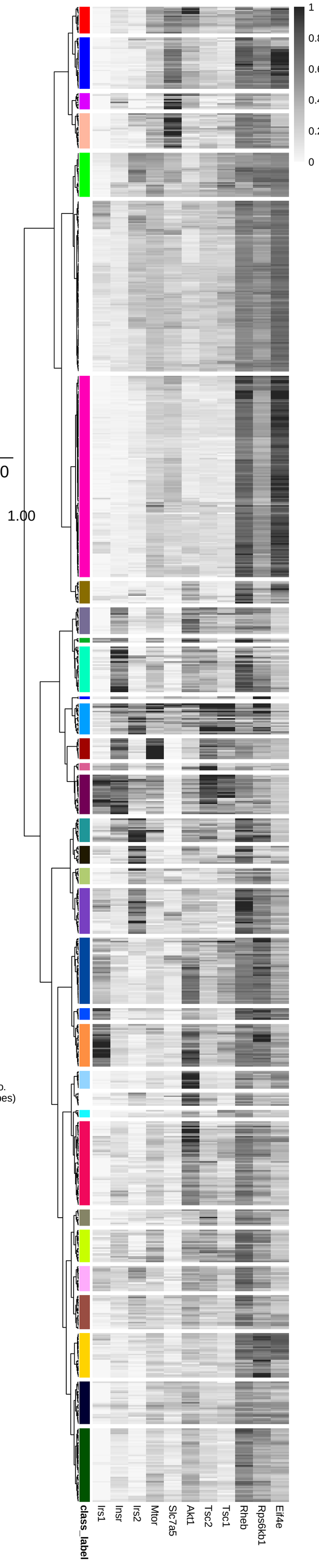
Tsc1
Rheb
Rps6kb1
Eif4e

Gene Co−Expression Above Threshold

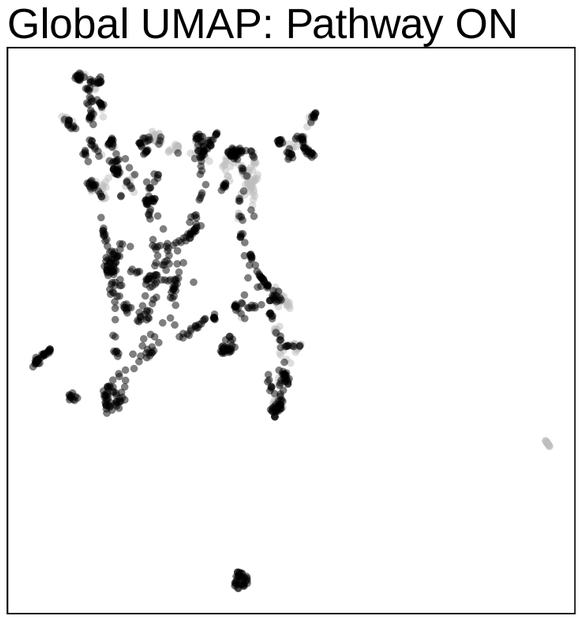


Silhouette and Z−score

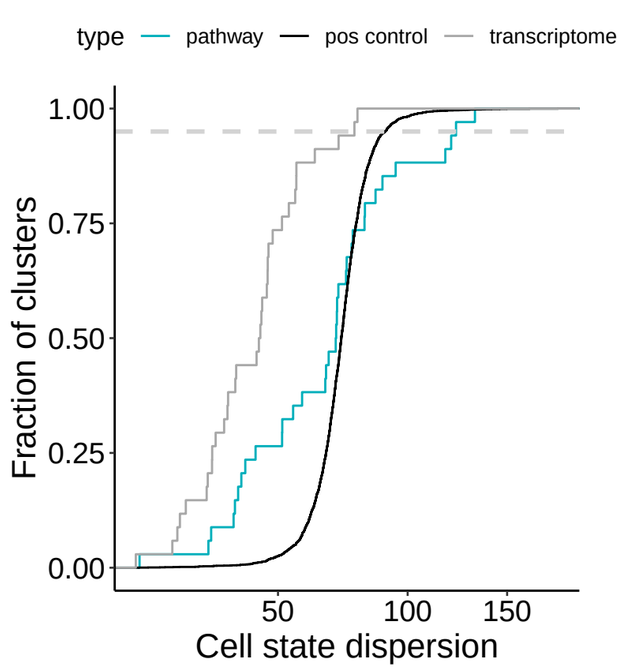




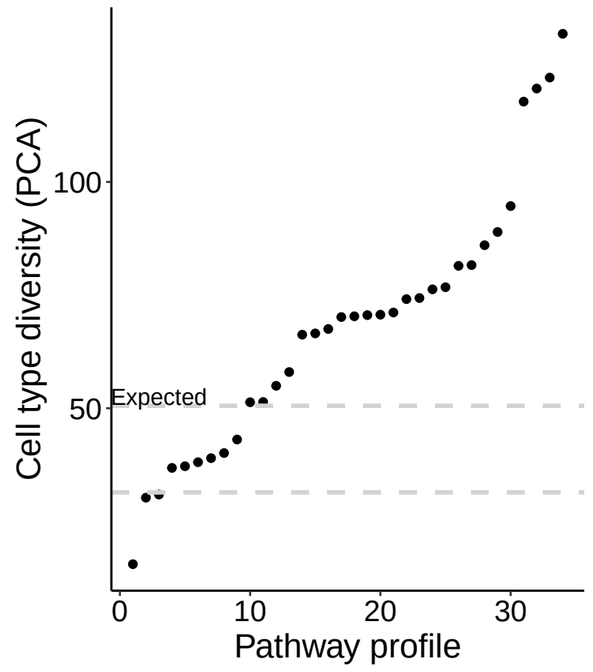
Global UMAP: Pathway ON



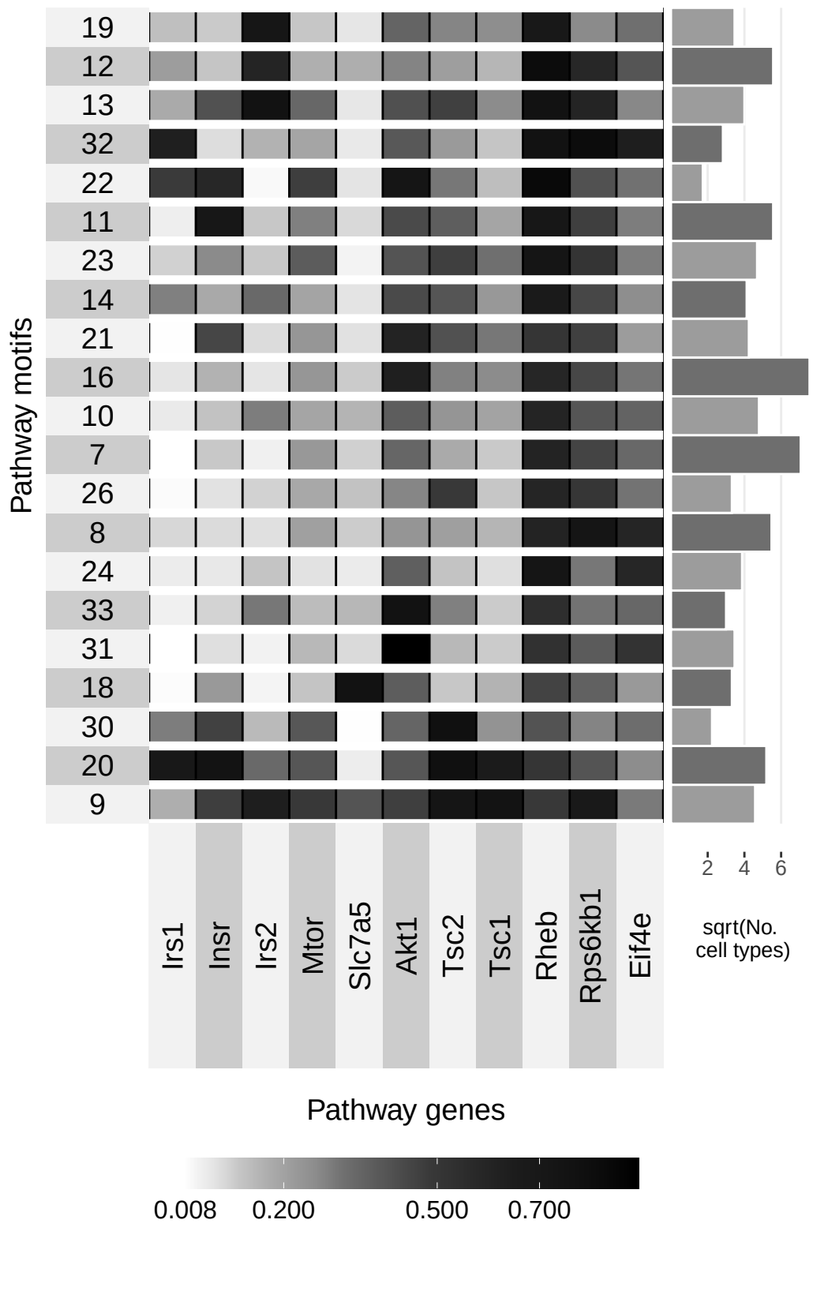
ECDF of Profile Dispersions



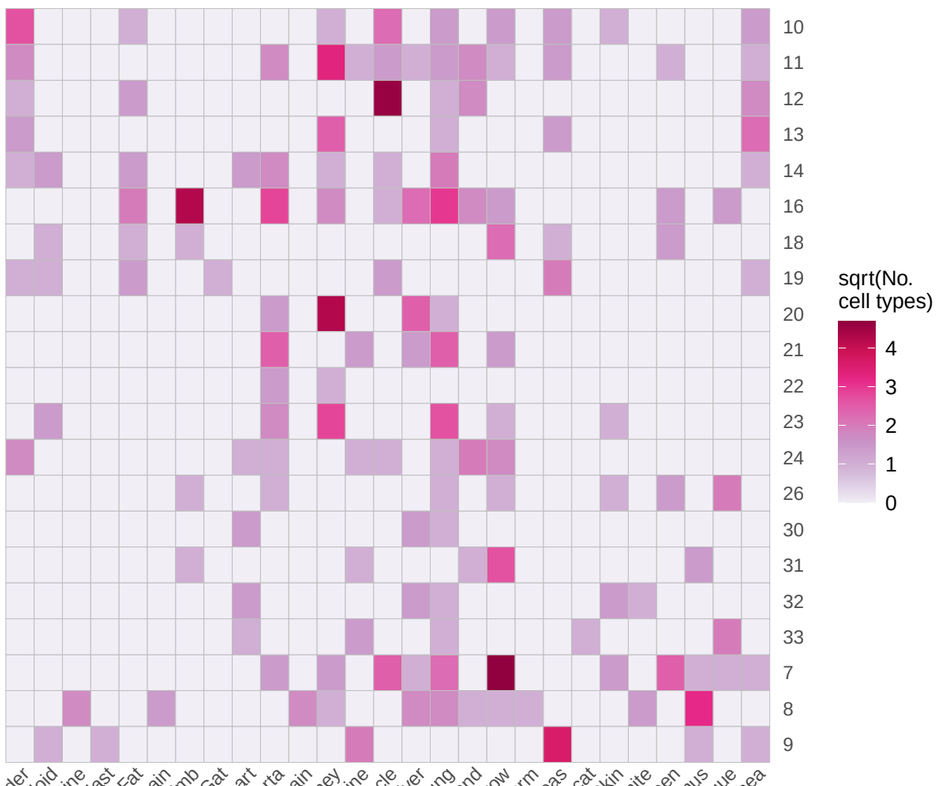
Profile Dispersion Plot



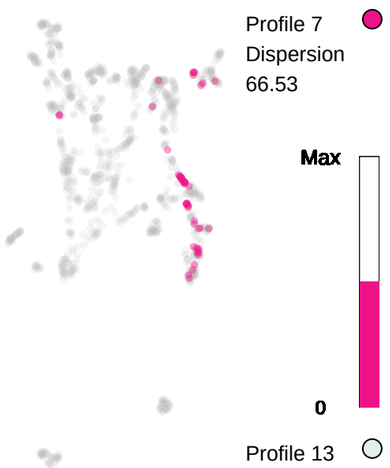
Motifs, Dispersion ≥ 90th percentile



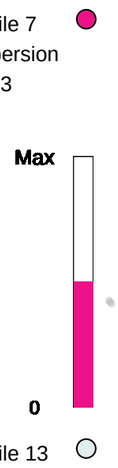
Motif Tissue Composition

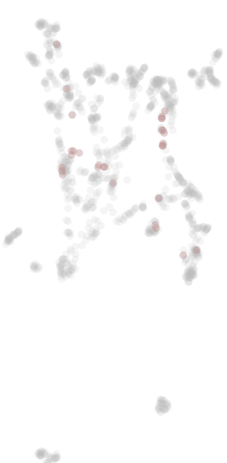


Leucine Stimulation on Insulin Signaling (k_opt = 34)

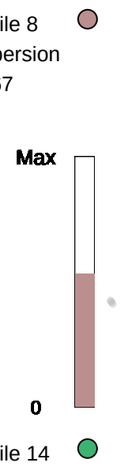


Profile 7
Dispersion
66.53

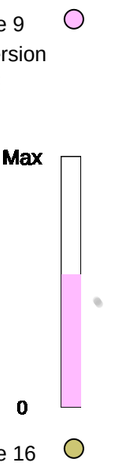




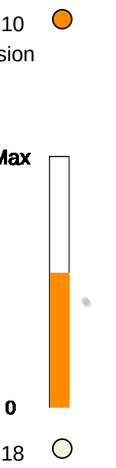
Profile 8
Dispersion
70.67



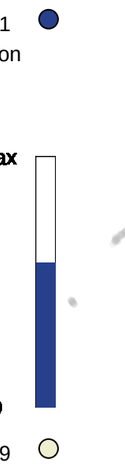
Profile 9
Dispersion
70.15



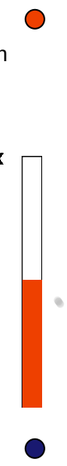
Profile 10
Dispersion
71.15

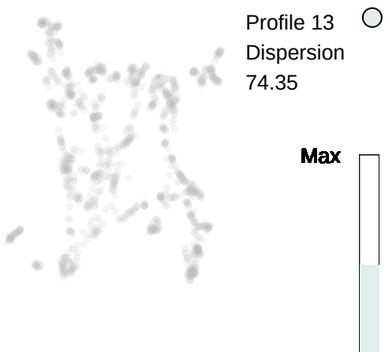


Profile 11
Dispersion
76.74

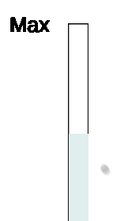


Profile 12
Dispersion
67.51

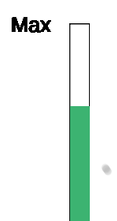


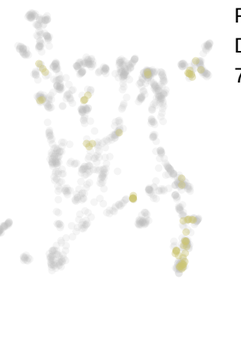


Profile 13
Dispersion
74.35

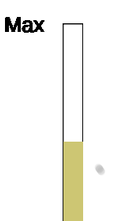


Profile 14
Dispersion
88.94

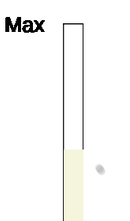


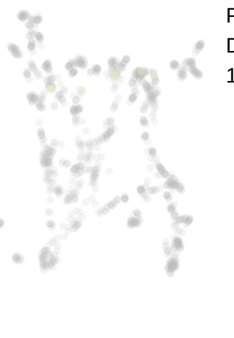


Profile 16
Dispersion
70.32

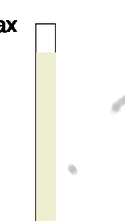


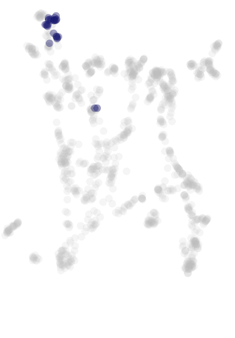
Profile 18
Dispersion
66.25



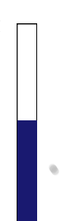


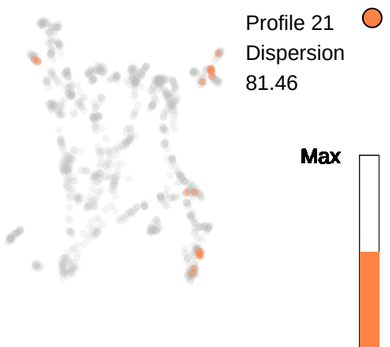
Profile 19
Dispersion
117.75



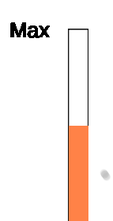


Profile 20
Dispersion
81.63

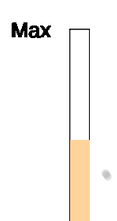


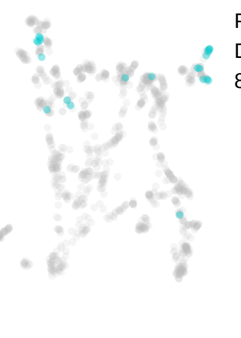


Profile 21
Dispersion
81.46

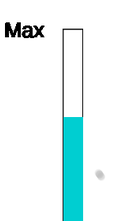


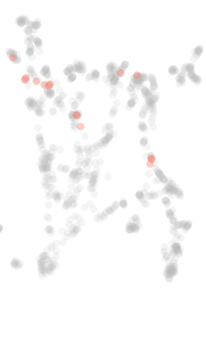
Profile 22
Dispersion
74.11



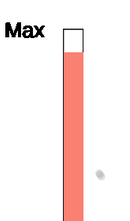


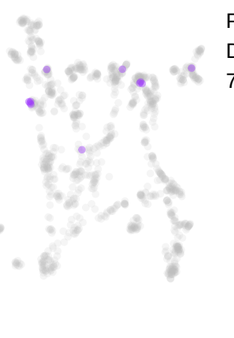
Profile 23
Dispersion
86.02



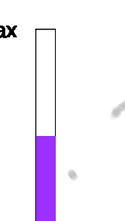


Profile 24
Dispersion
120.64

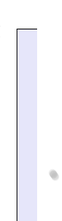


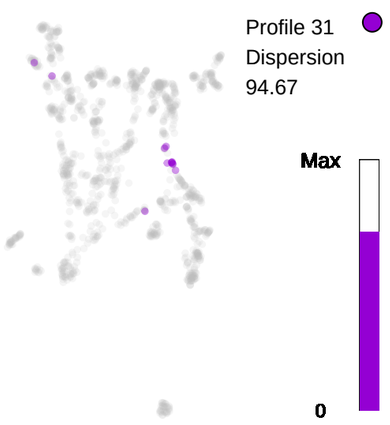


Profile 26
Dispersion
76.27

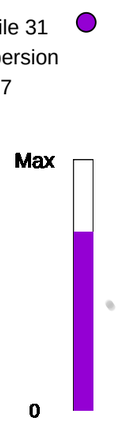


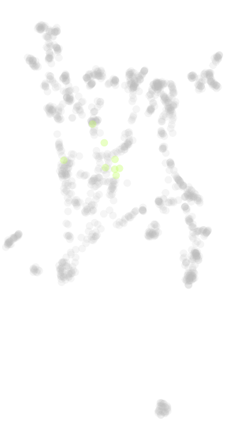
Profile 30
Dispersion
132.73



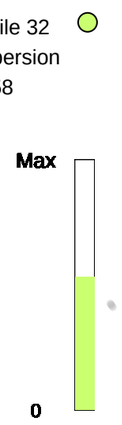
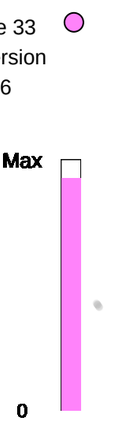


Profile 31
Dispersion
94.67





Profile 32
Dispersion
70.58



Profile 33
Dispersion
123.06