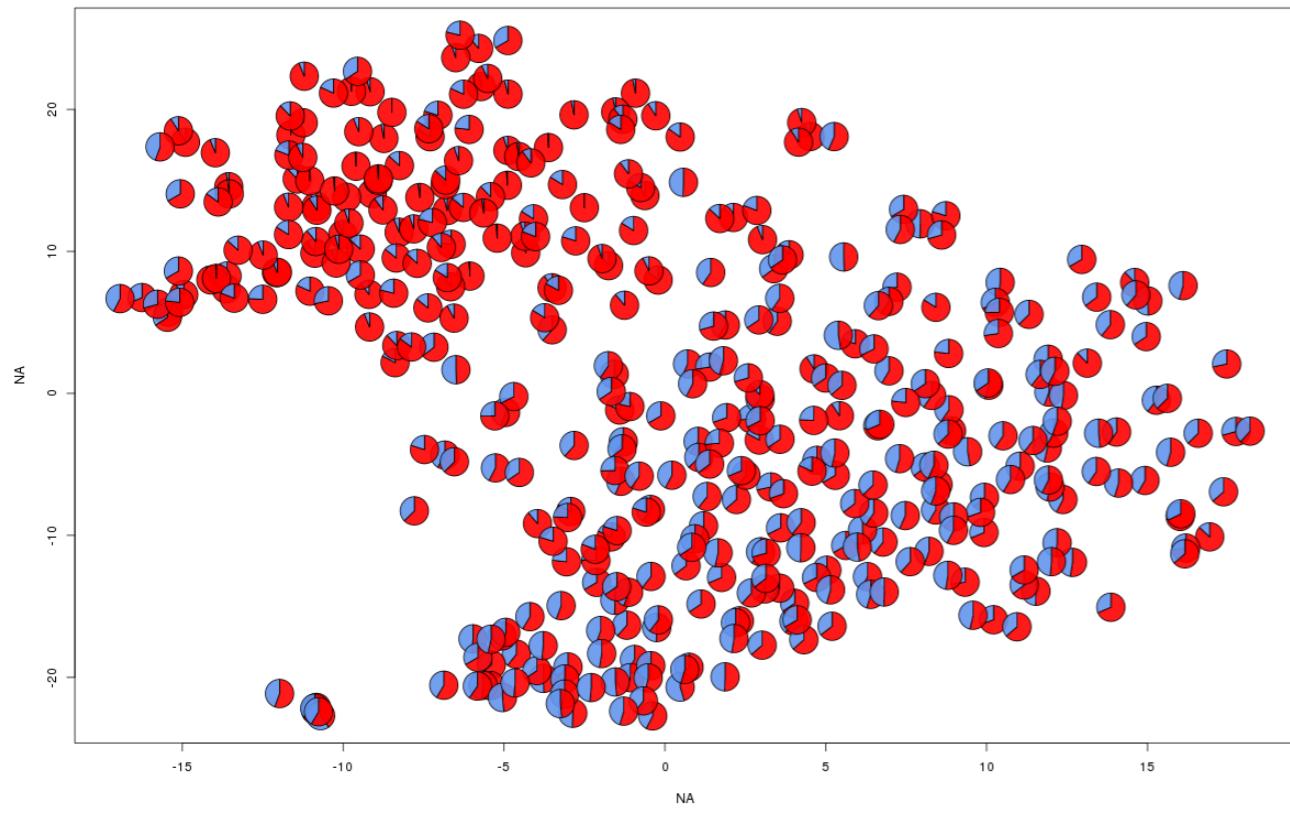


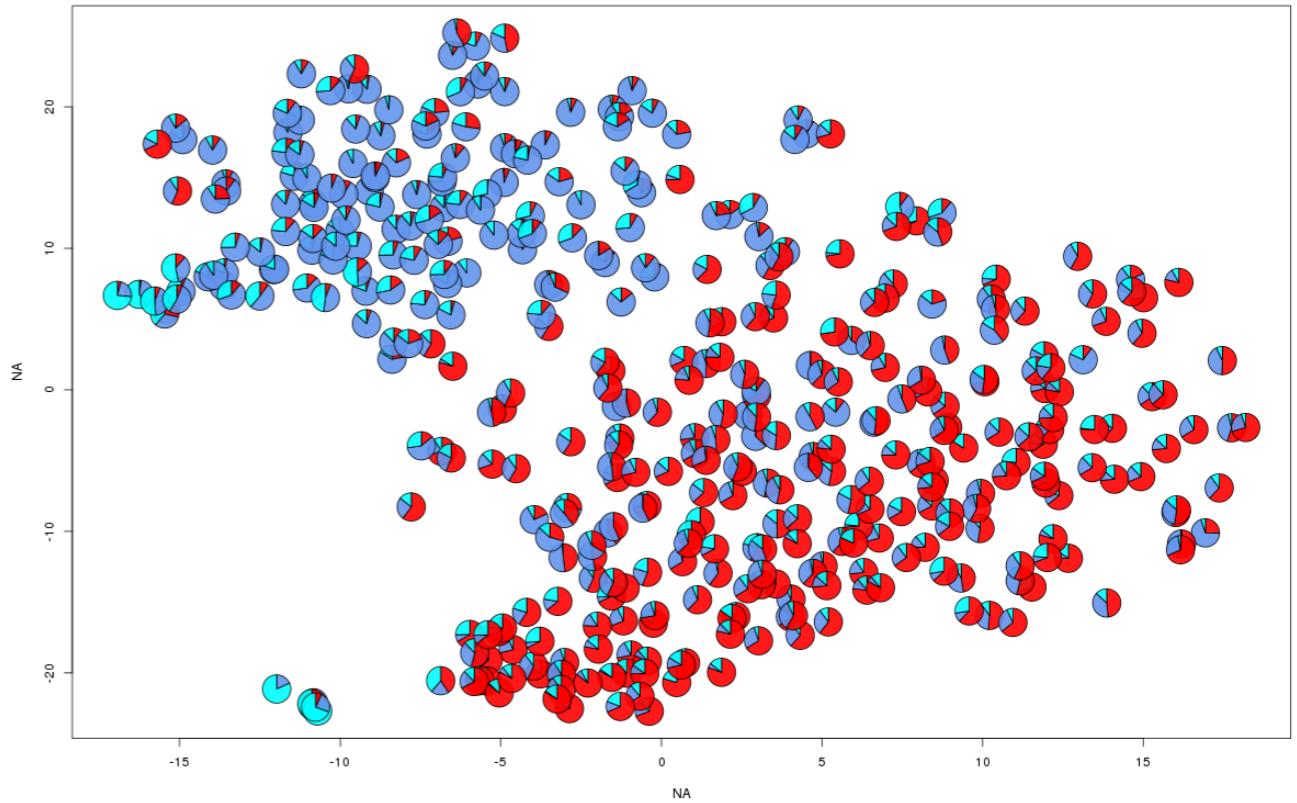
CGN

methClust coloring on tSNE

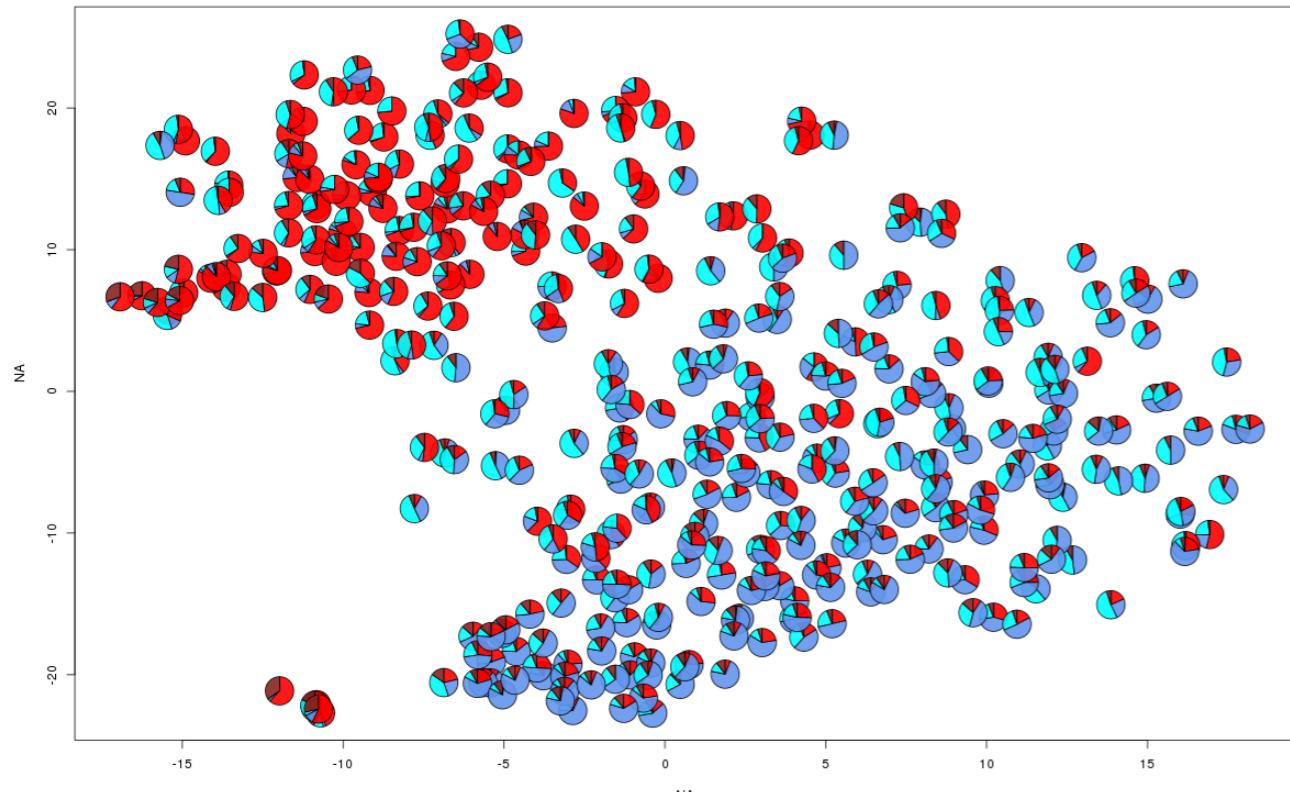
k=2



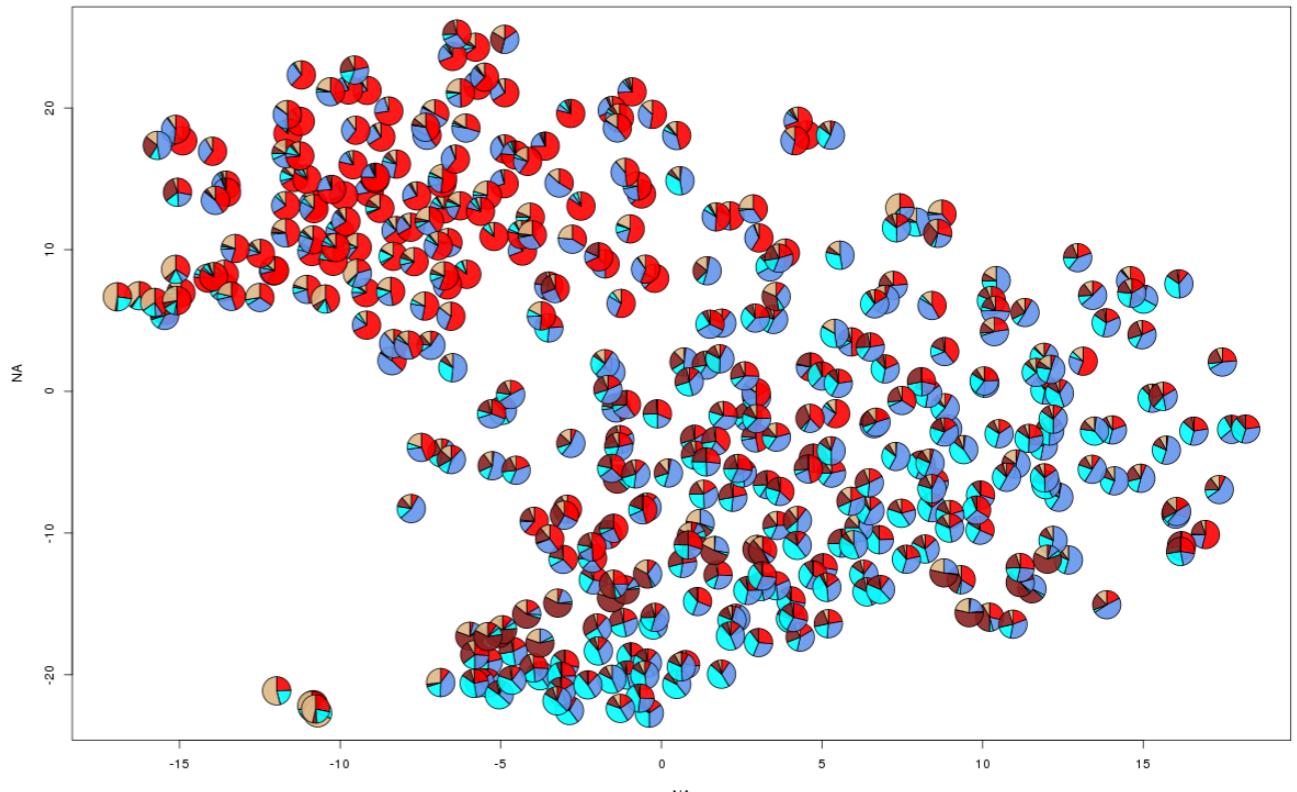
k=3



k=4



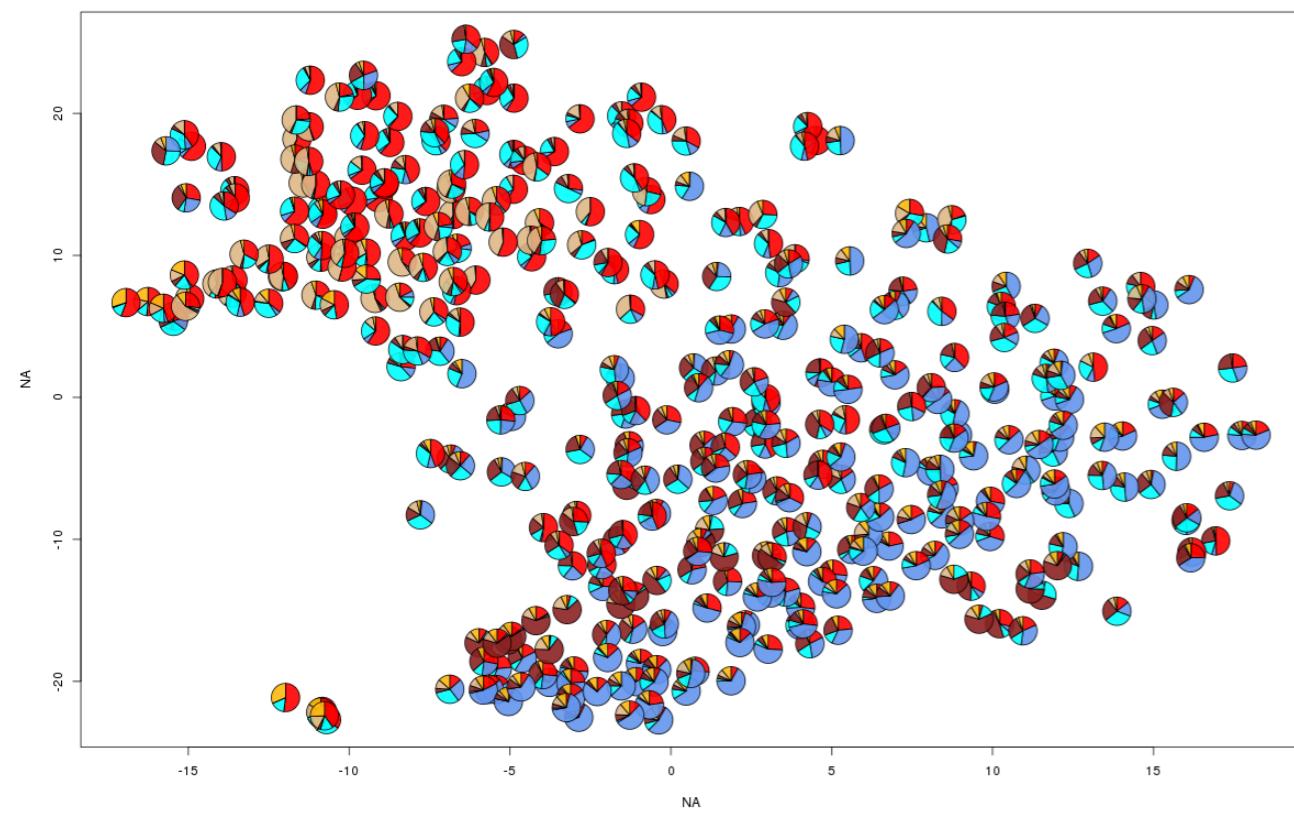
k=5



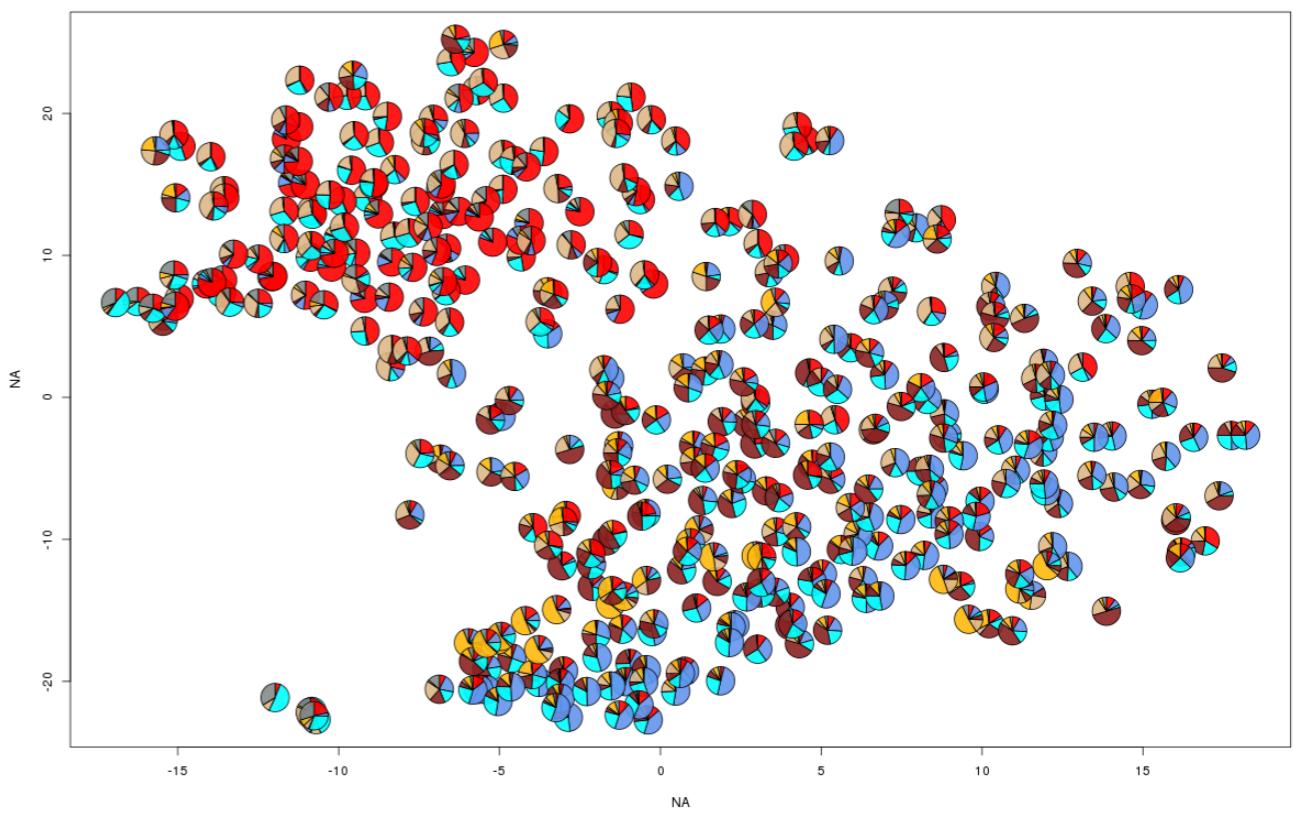
CGN

methClust coloring on tSNE

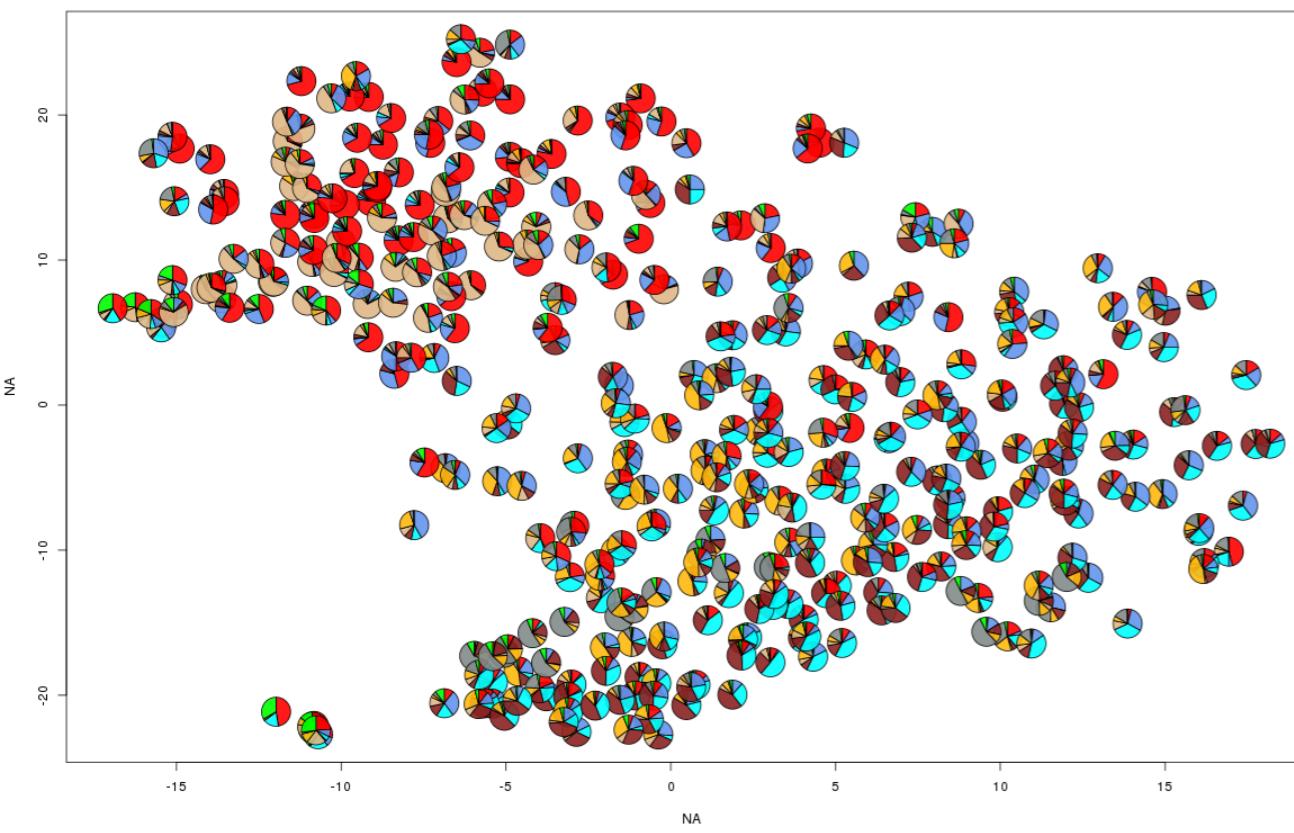
k=6



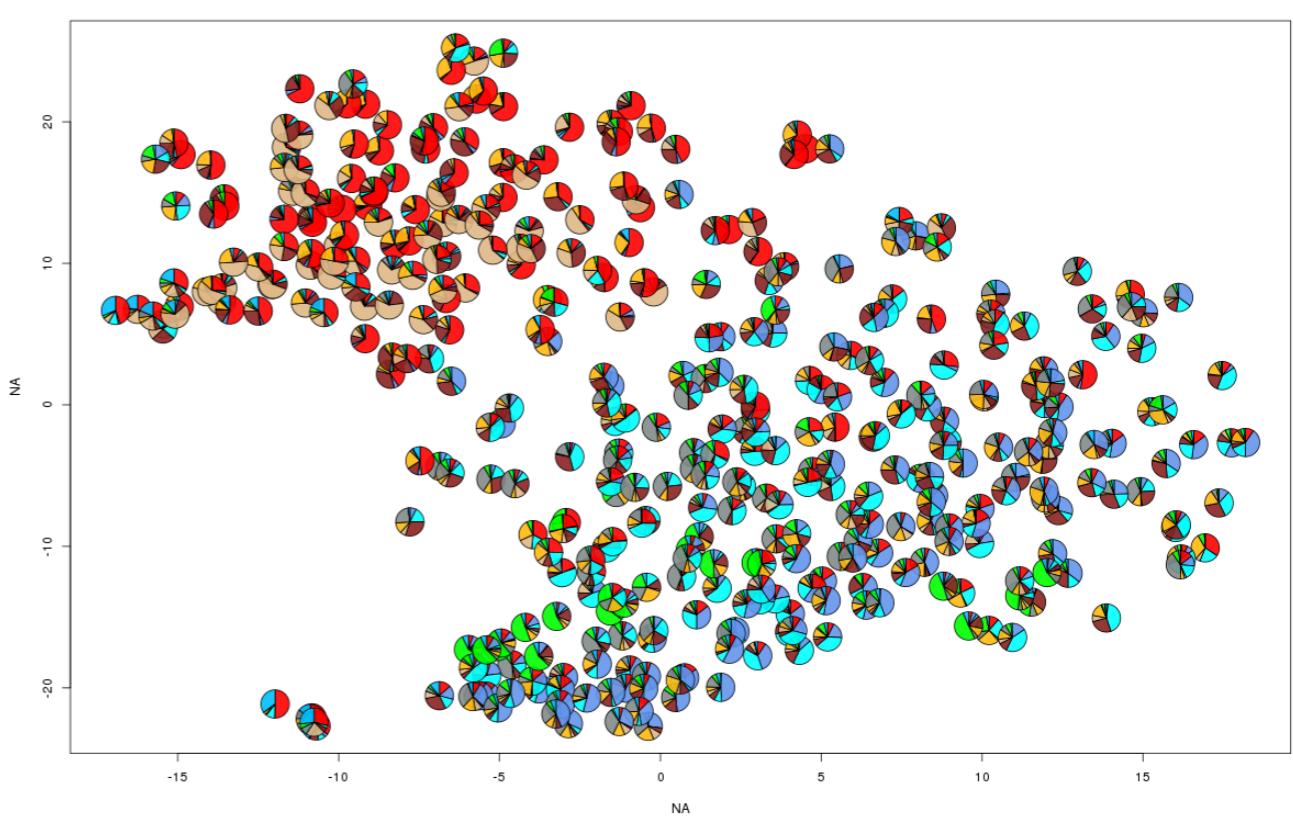
k=7



k=8



k=9



Enriched Pathways (K=3) model

Motif 1

olfactory transduction,
olfactory signaling,
olfactory receptor,
GPCR downstream signaling

Motif 2

GABA receptor activation,
neurotransmitter receptor
binding,
morphine addiction,
Interleukin-17 signaling,
Transmission across
chemical synapses

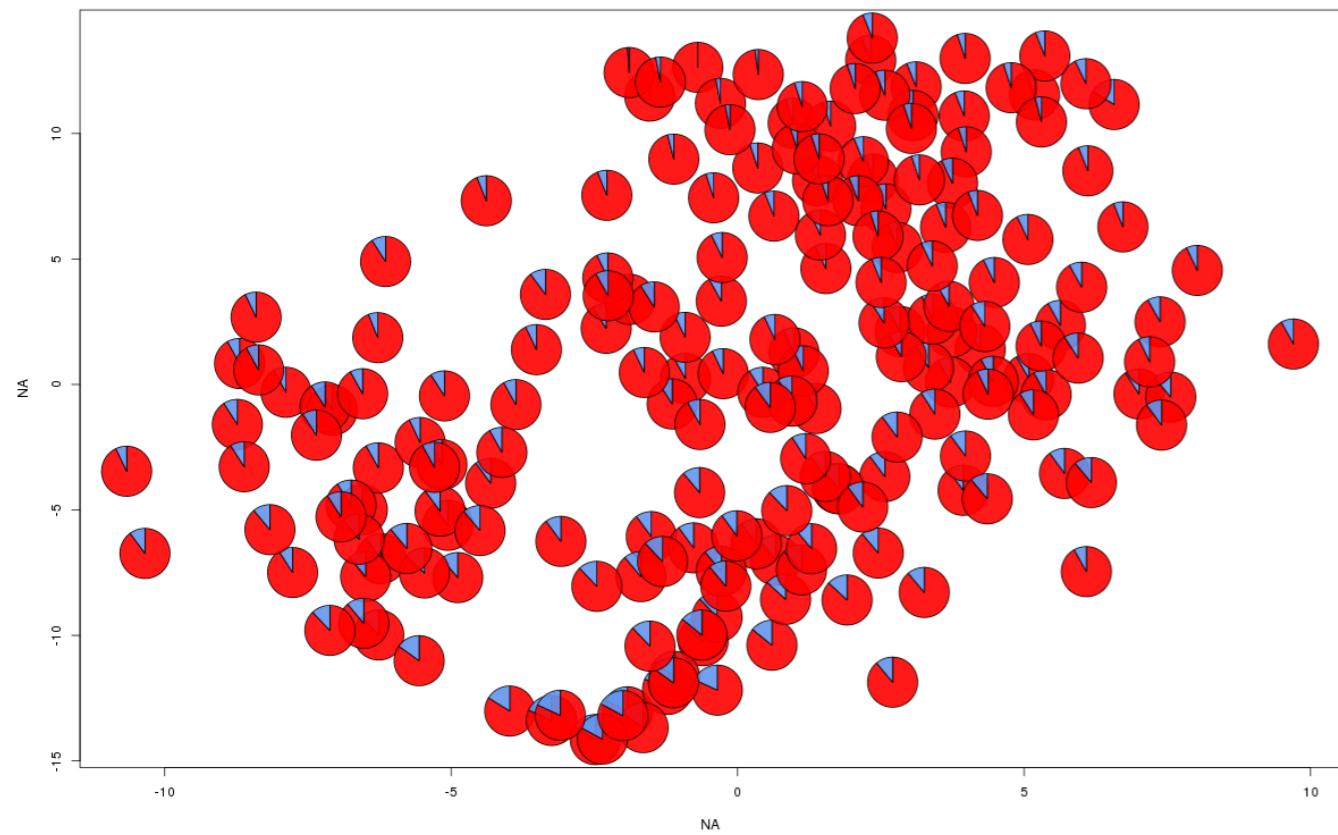
Motif 3

Synthesis of PIPs at the
plasma membrane,
Apoptotic execution ,
mRNA Splicing - Major
Pathway

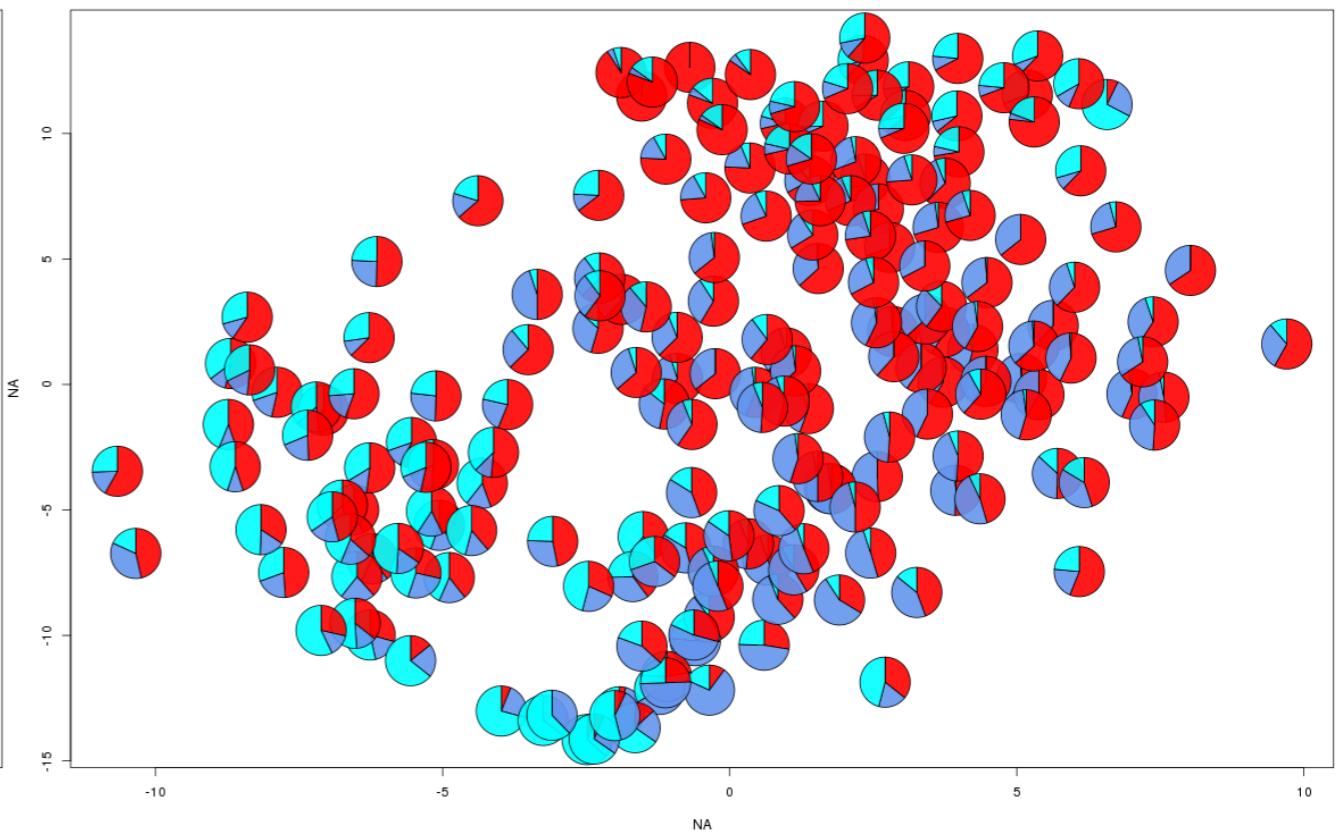
CHN

methClust coloring on tSNE

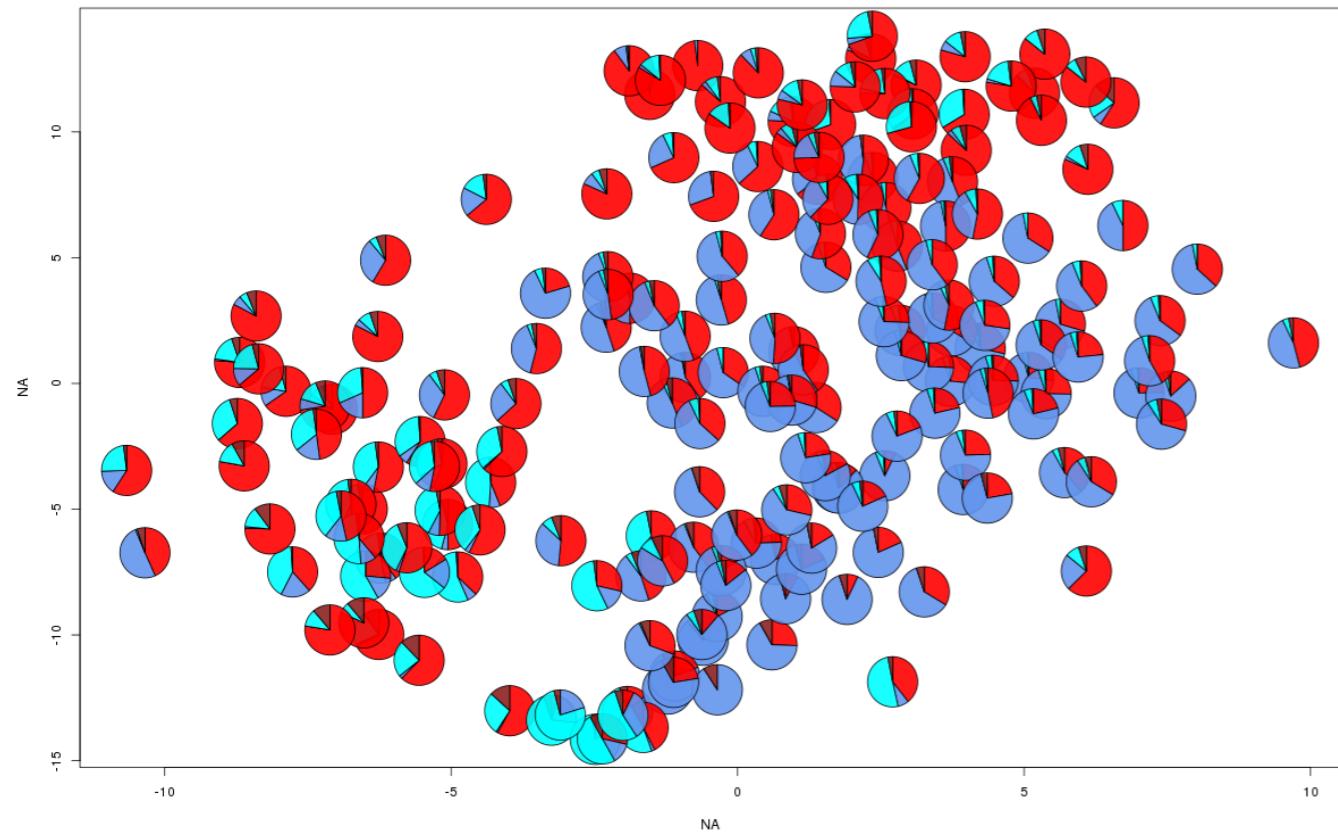
k=2



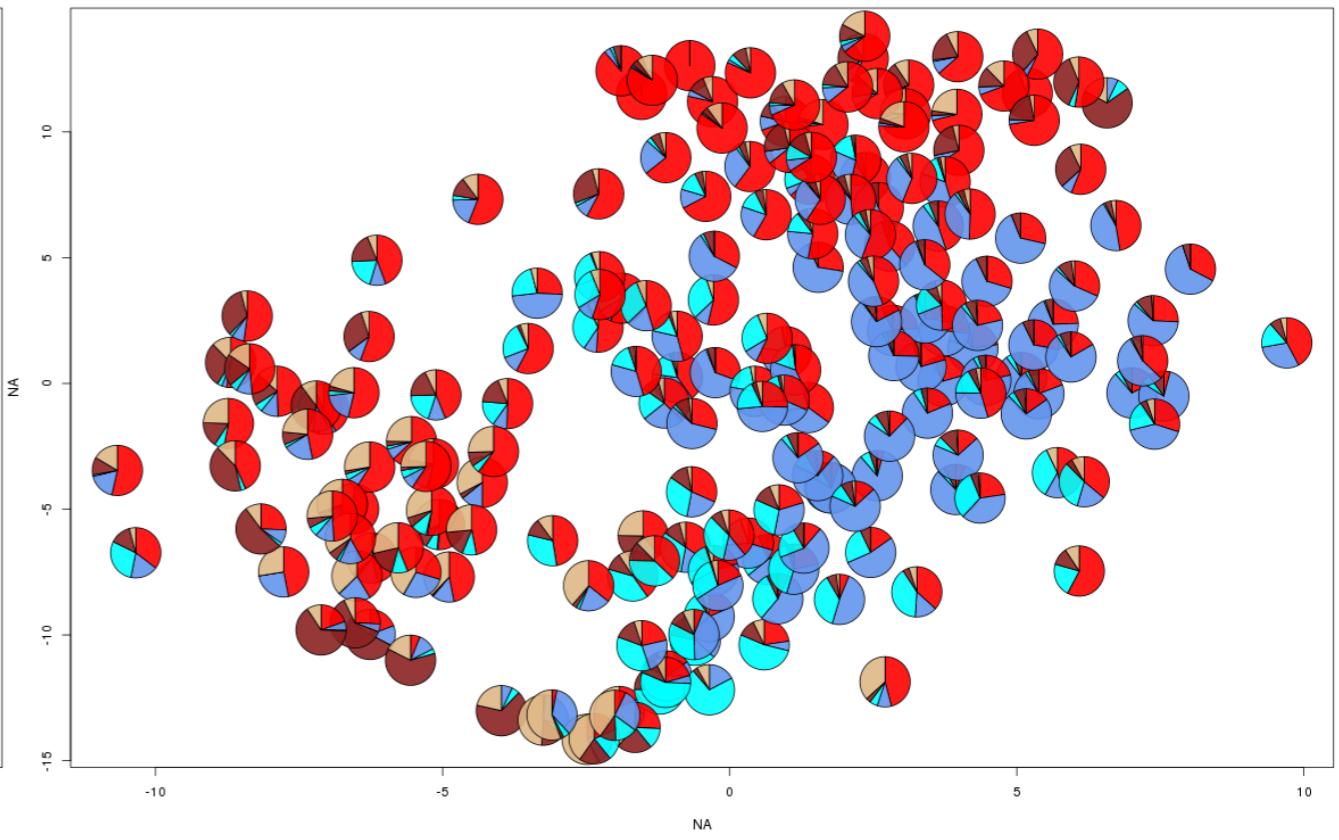
k=3



k=4



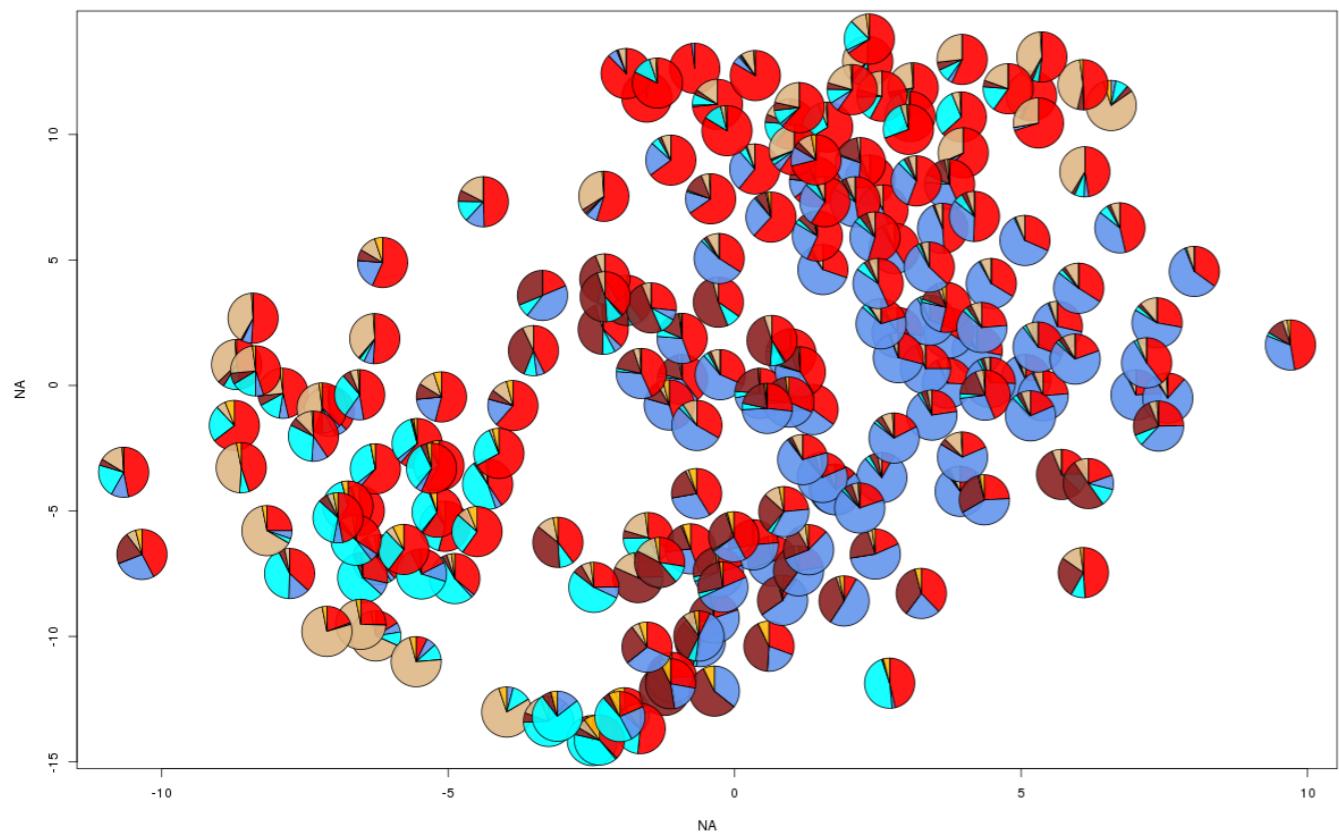
k=5



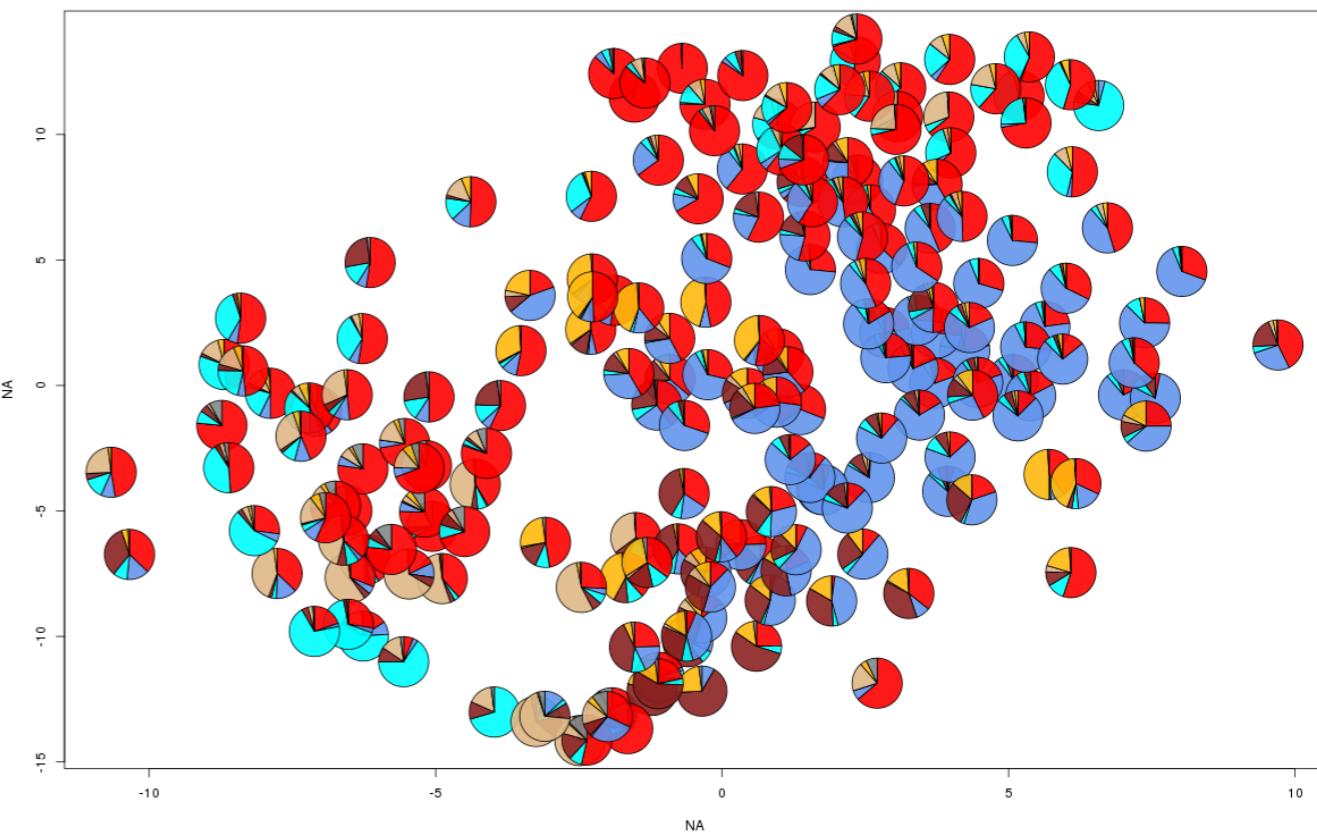
CHN

methClust coloring on tSNE

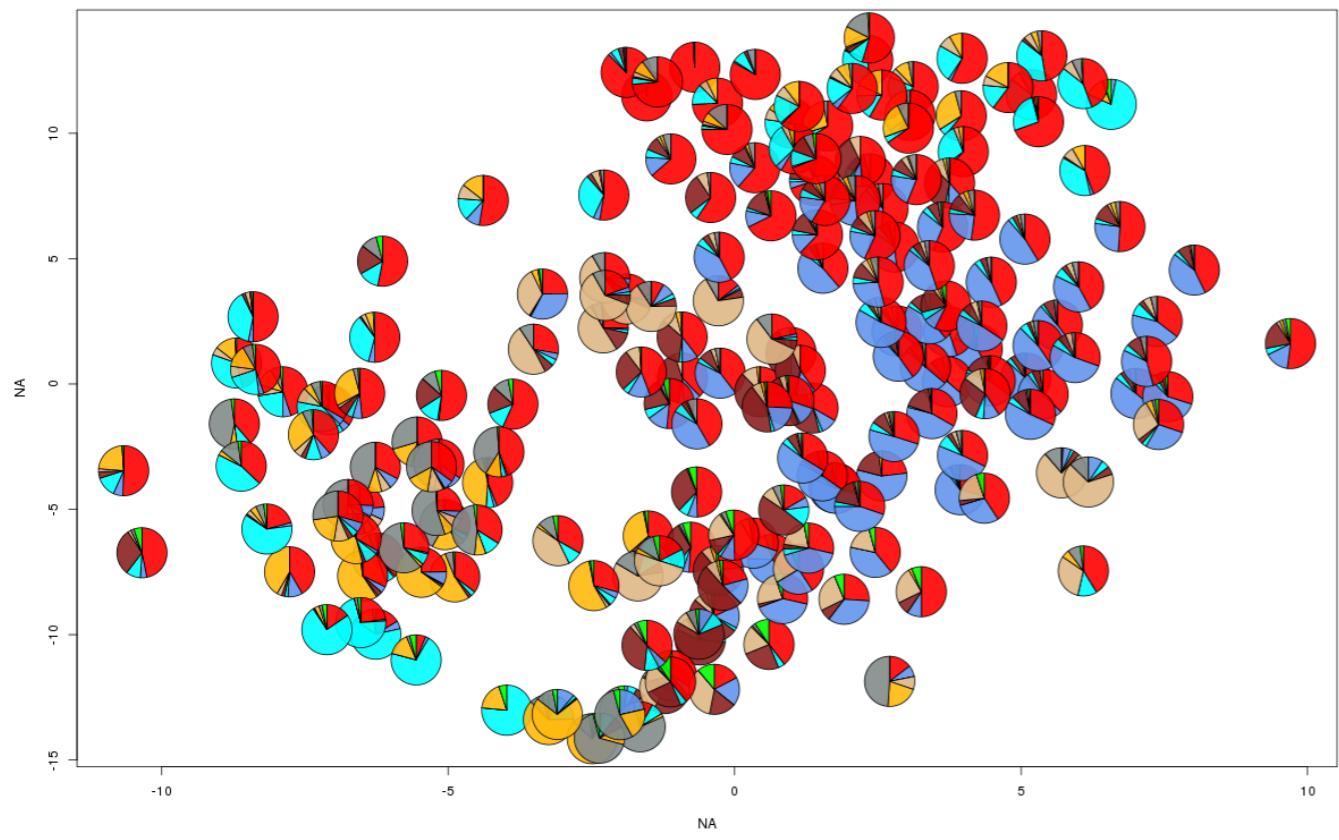
k=6



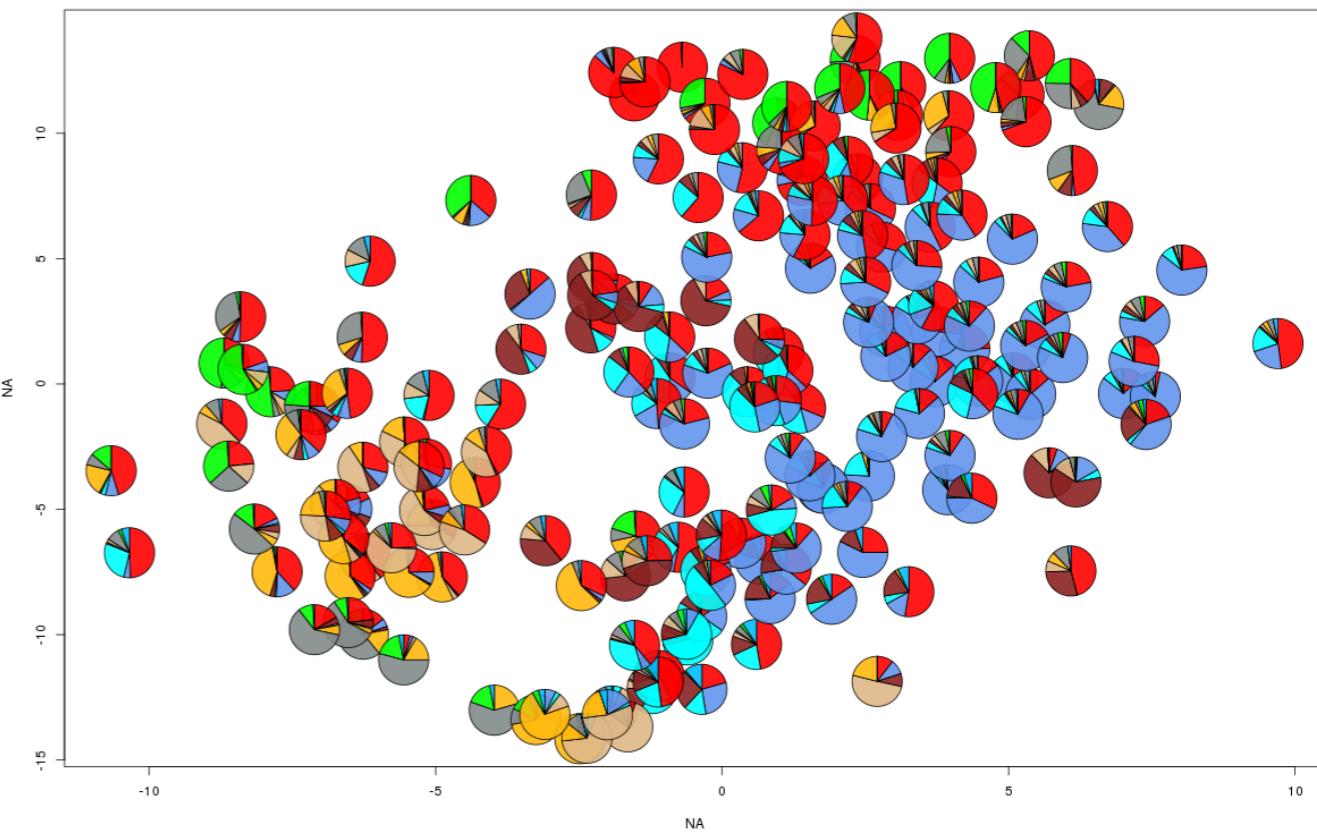
k=7



k=8



k=9



Enriched Pathways (K=3) model

Motif 1

Formation of the cornified
envelope,
Keratinization,
Developmental Biology

Motif 3

gata3 participate in
activating the th2 cytokine
genes expression,
Cytokines and Inflammatory
Response,
Fc Epsilon Receptor I
Signaling in Mast Cells,
IL-13 signaling

Motif 2

Thromboxane A2 receptor
signaling,
Signalling by NGF,
E-cadherin signaling in
keratinocytes,
PI3K/AKT Signaling in
Cancer,
IL-7,
PIP3 activates AKT signaling