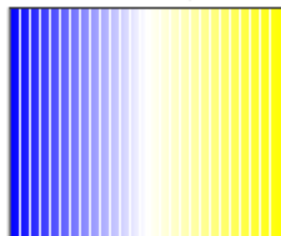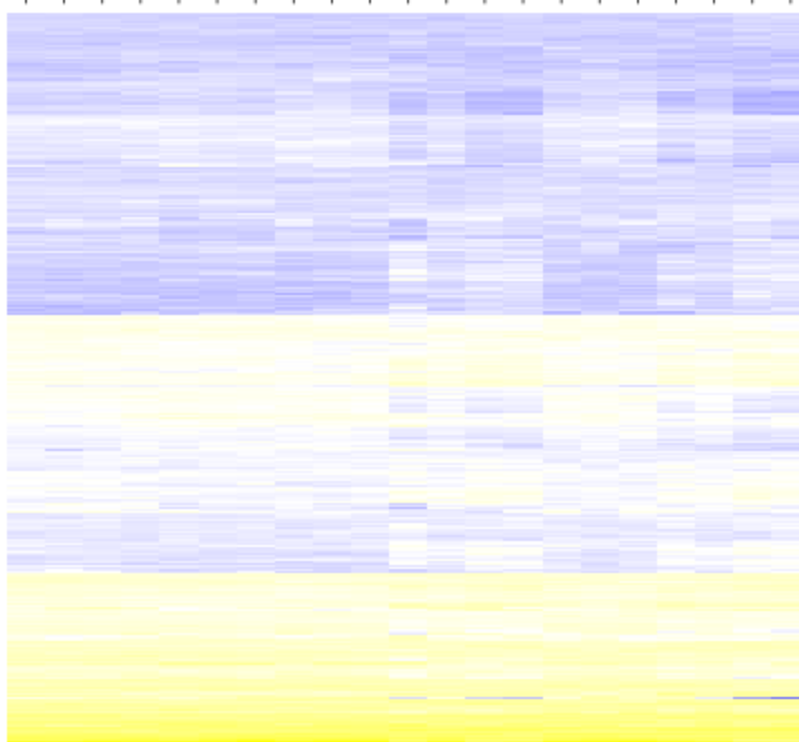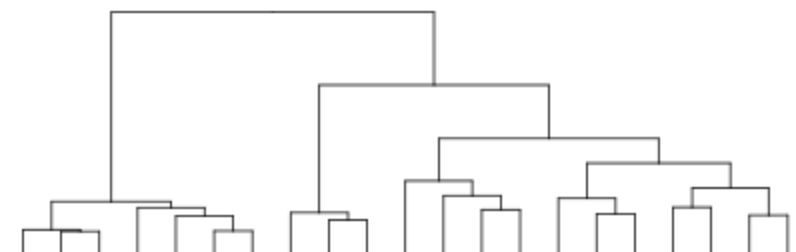Bottomly et al. Clustered