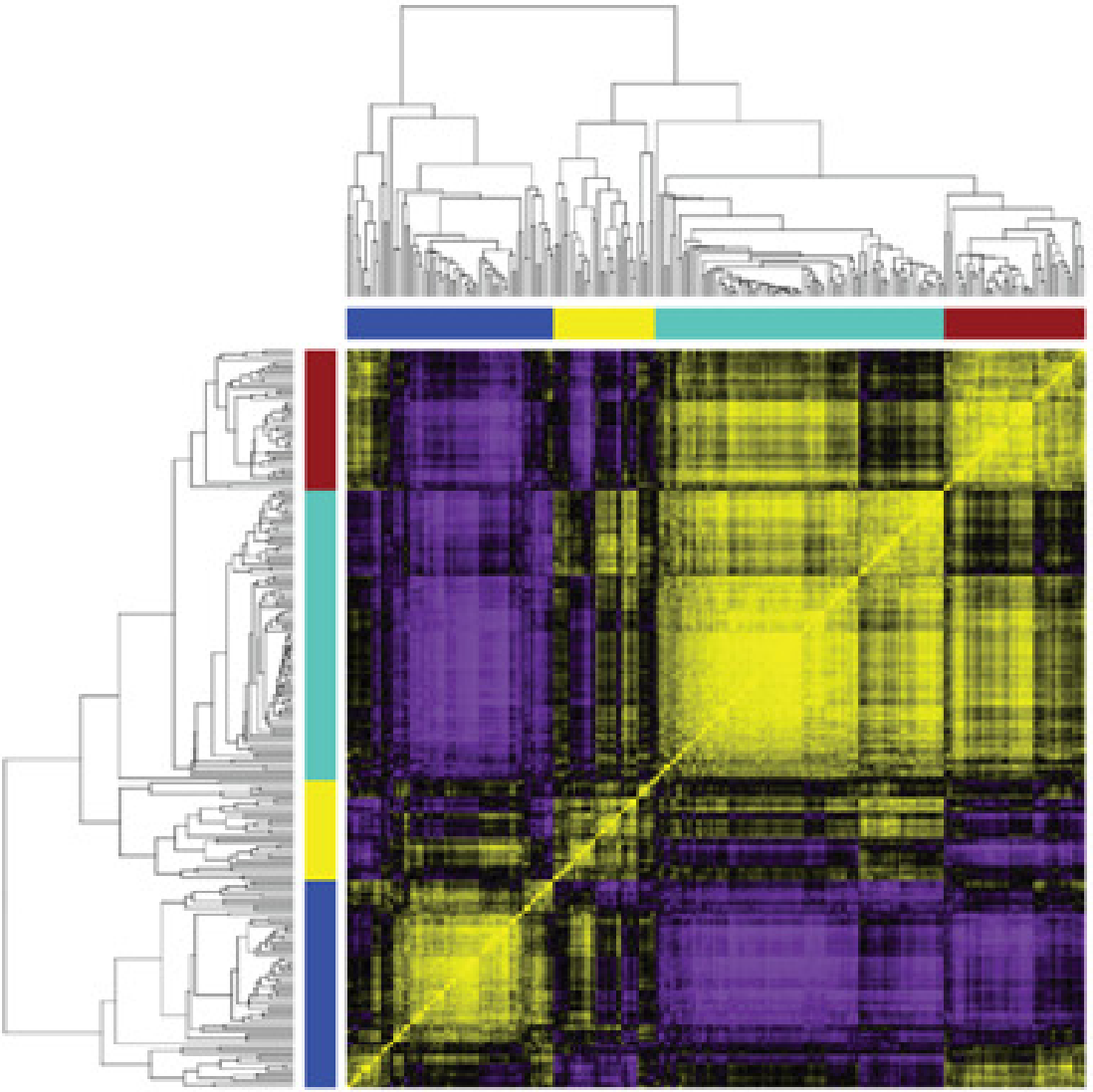Chronic TF network