**cluster de coeficients*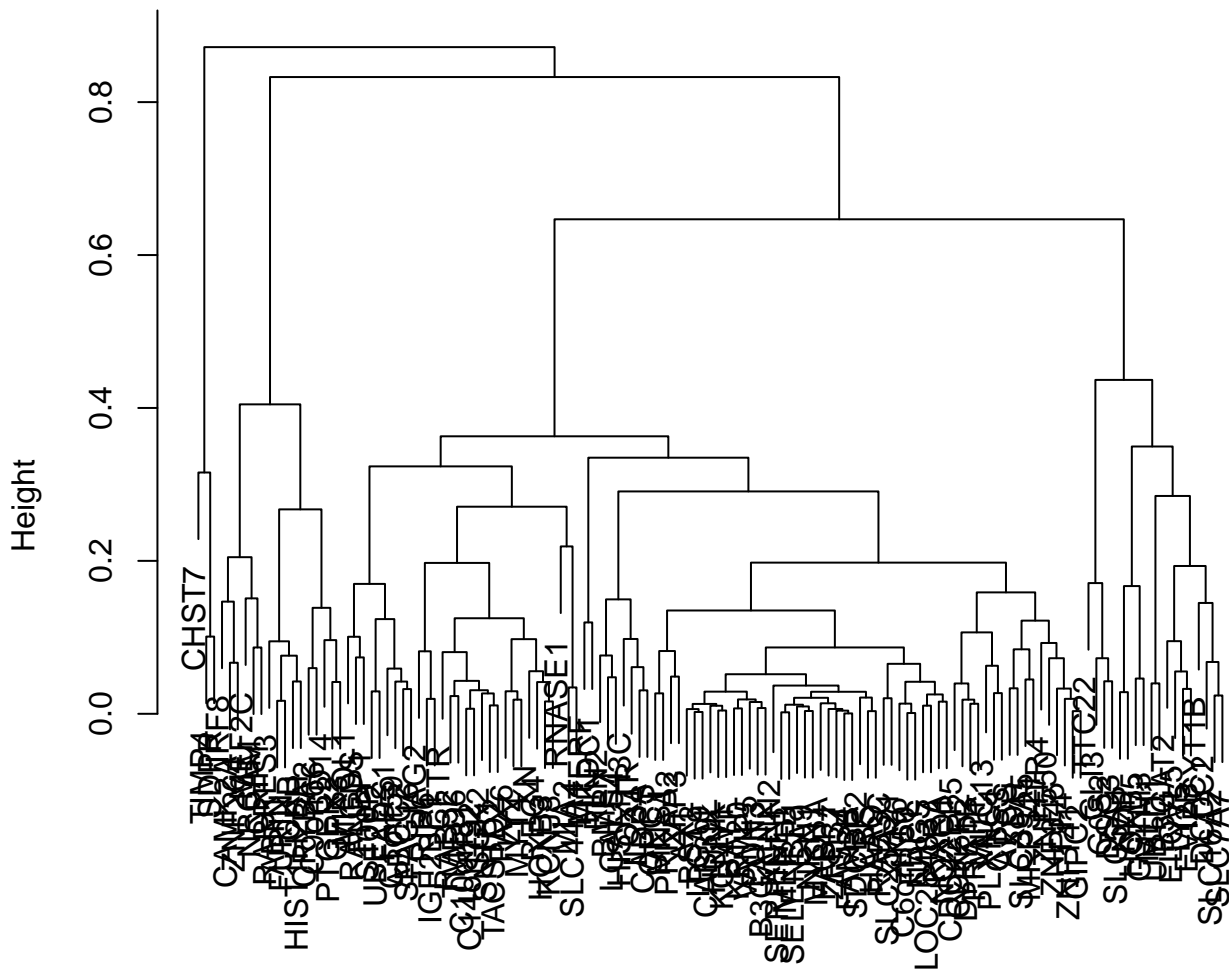*