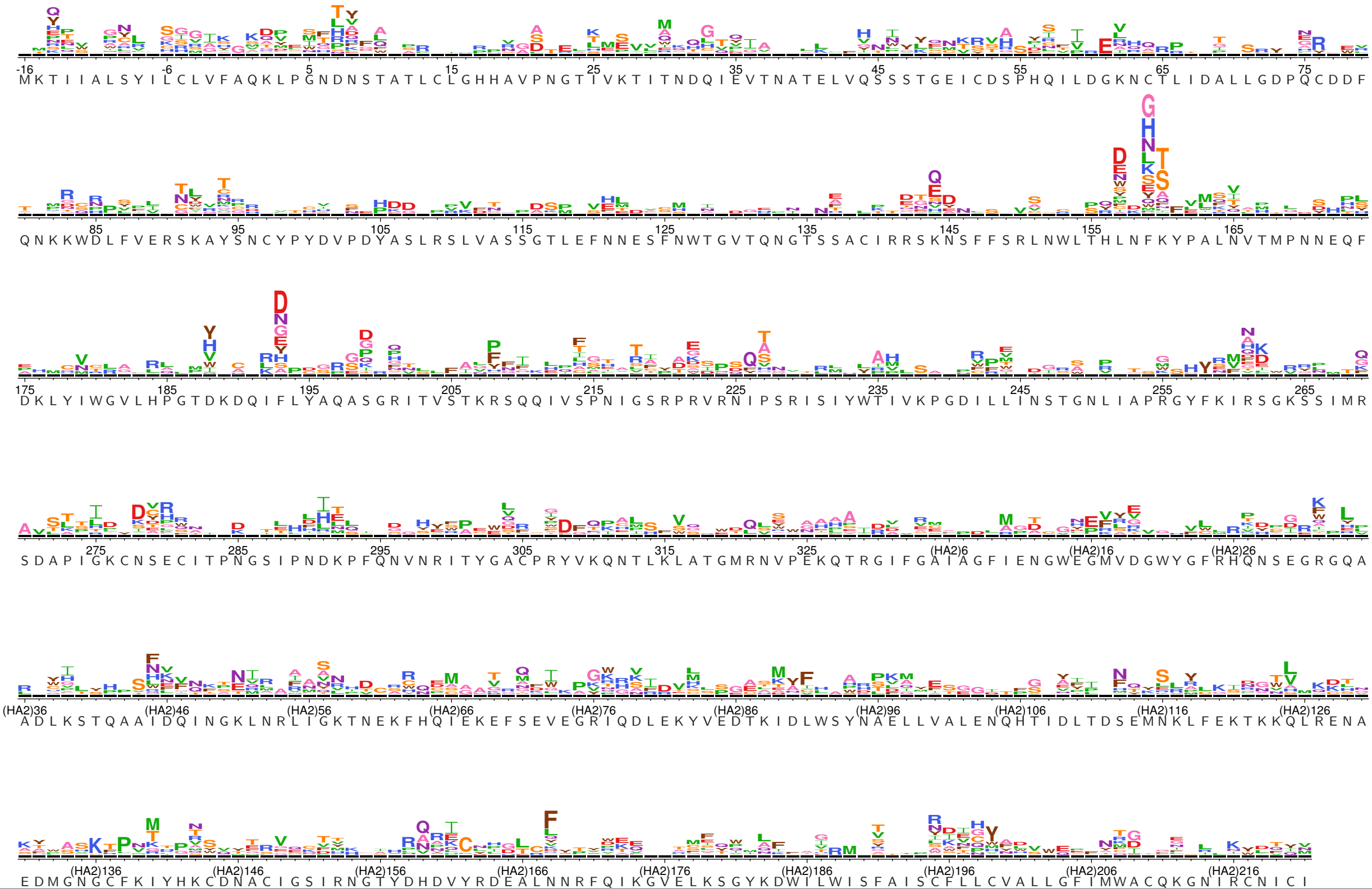differential selection = 4.5