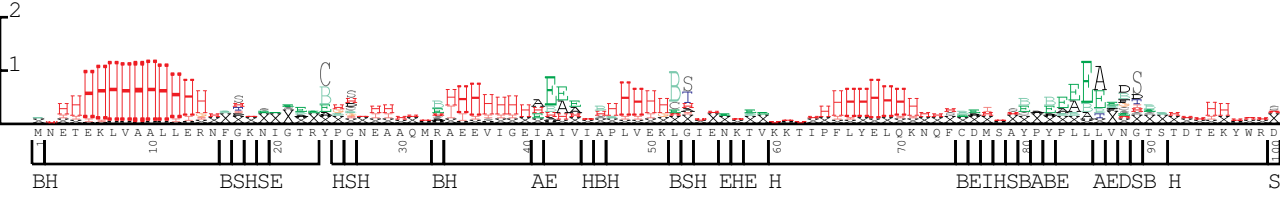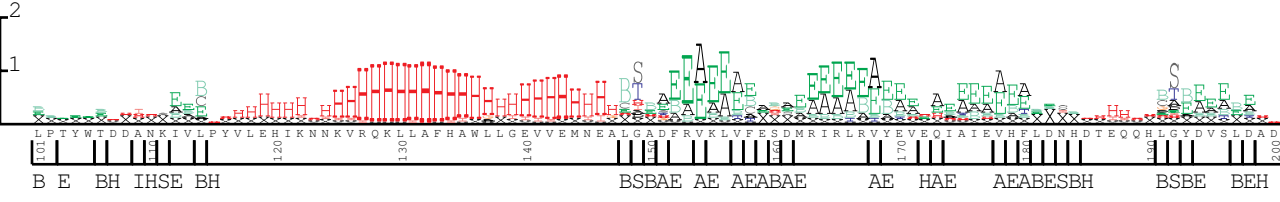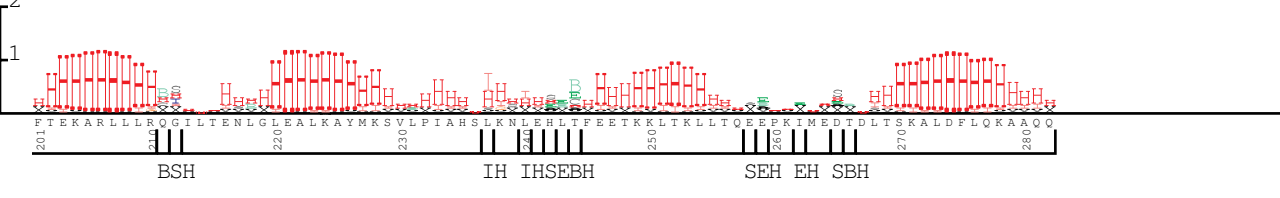T0405.t04 alpha