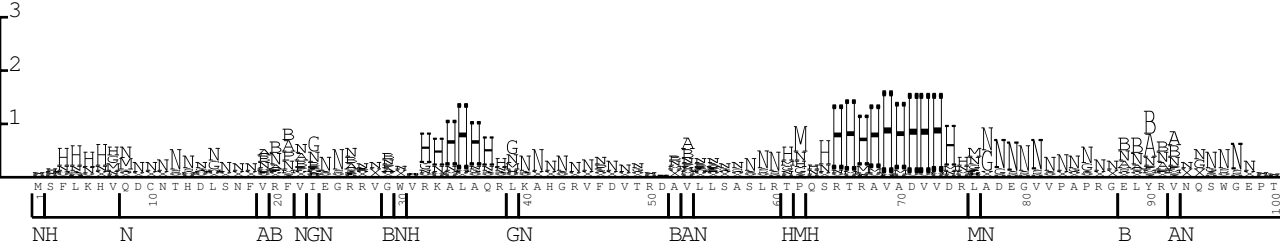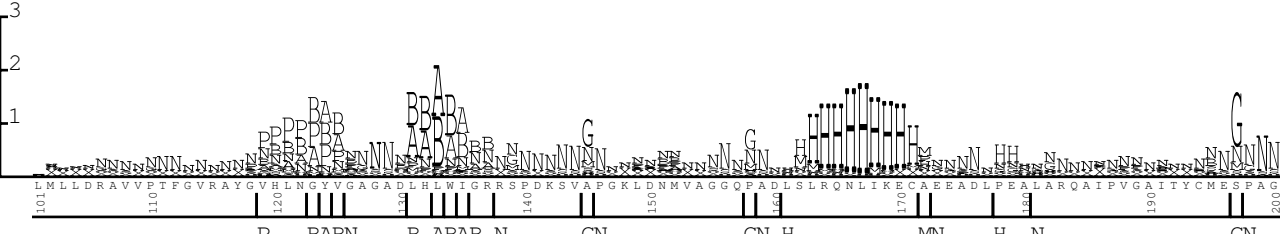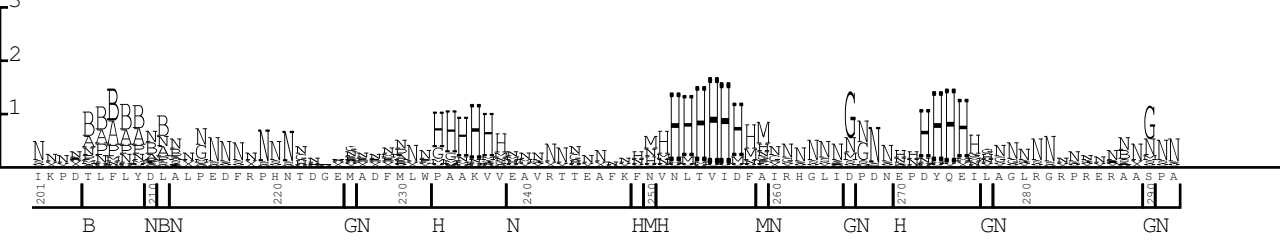T0513.t04 o_notor