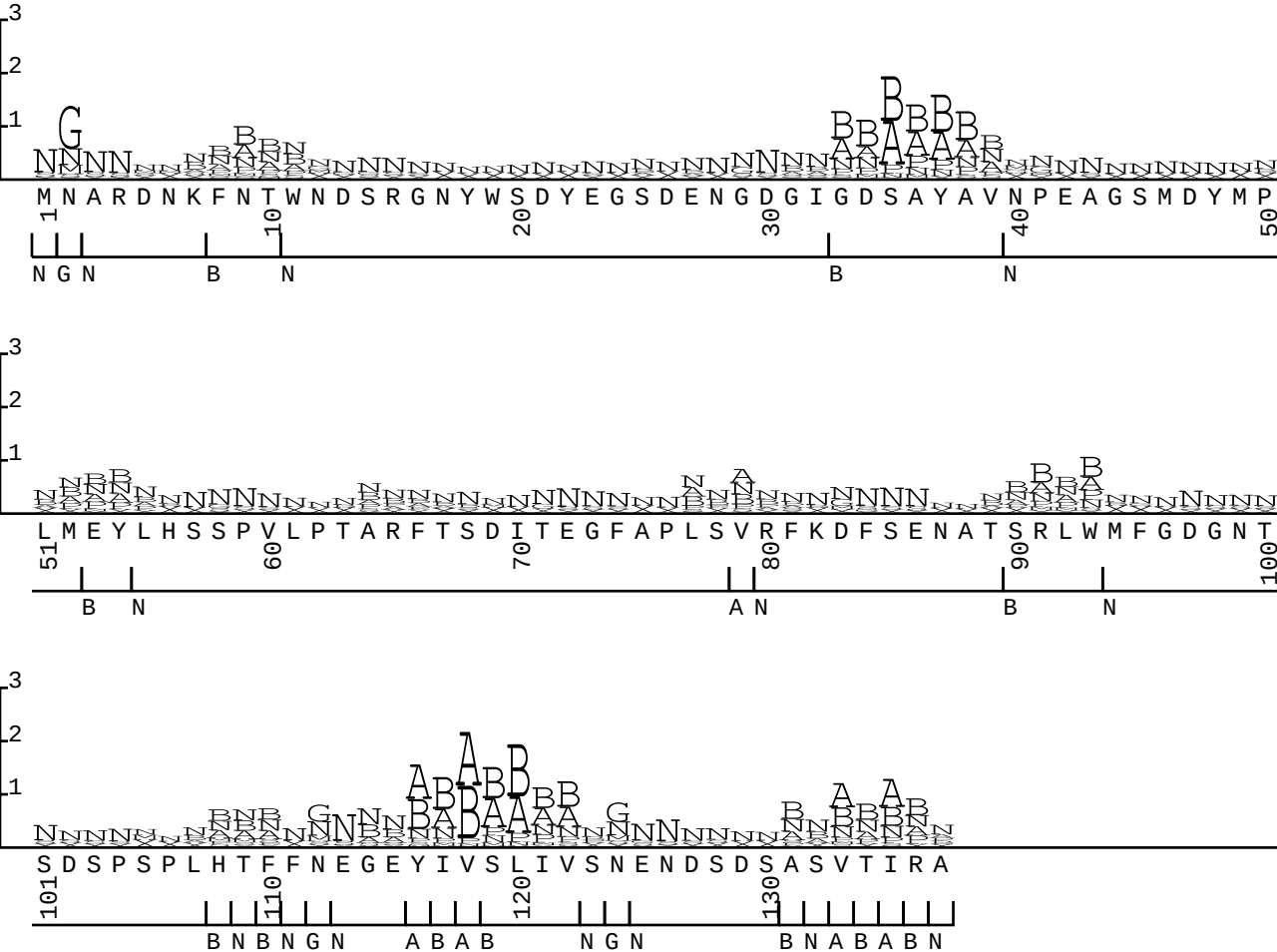T0590.t2k o_notor