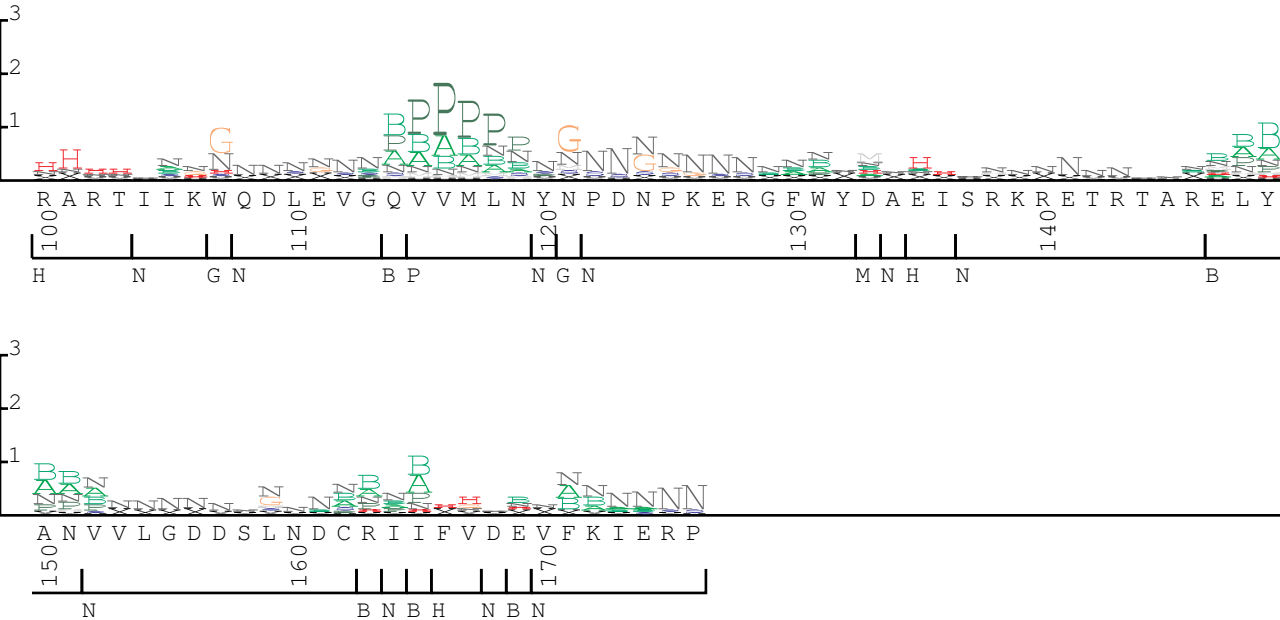TR429.t2k o_notor2