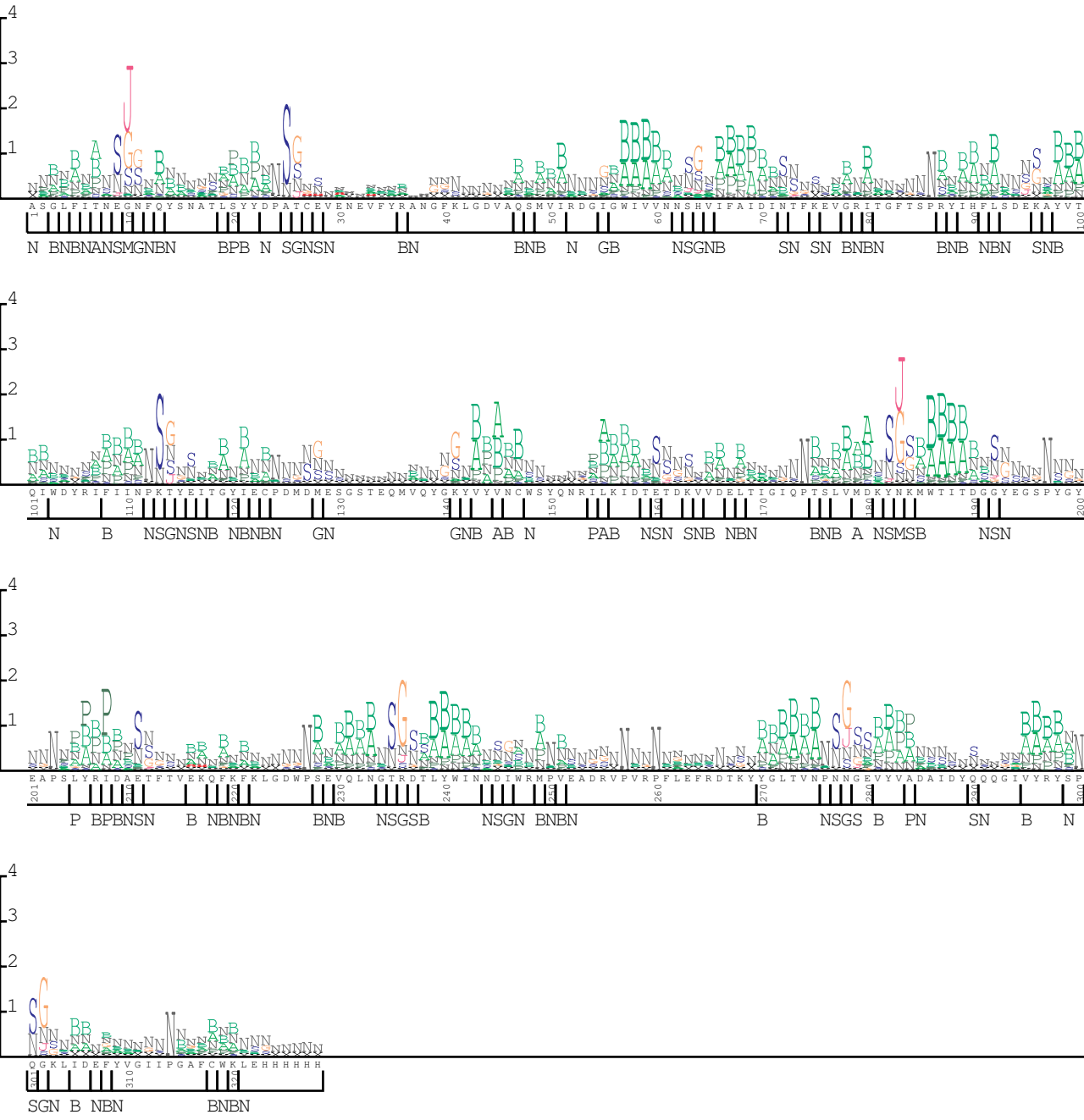T0512.t04 n_notor2