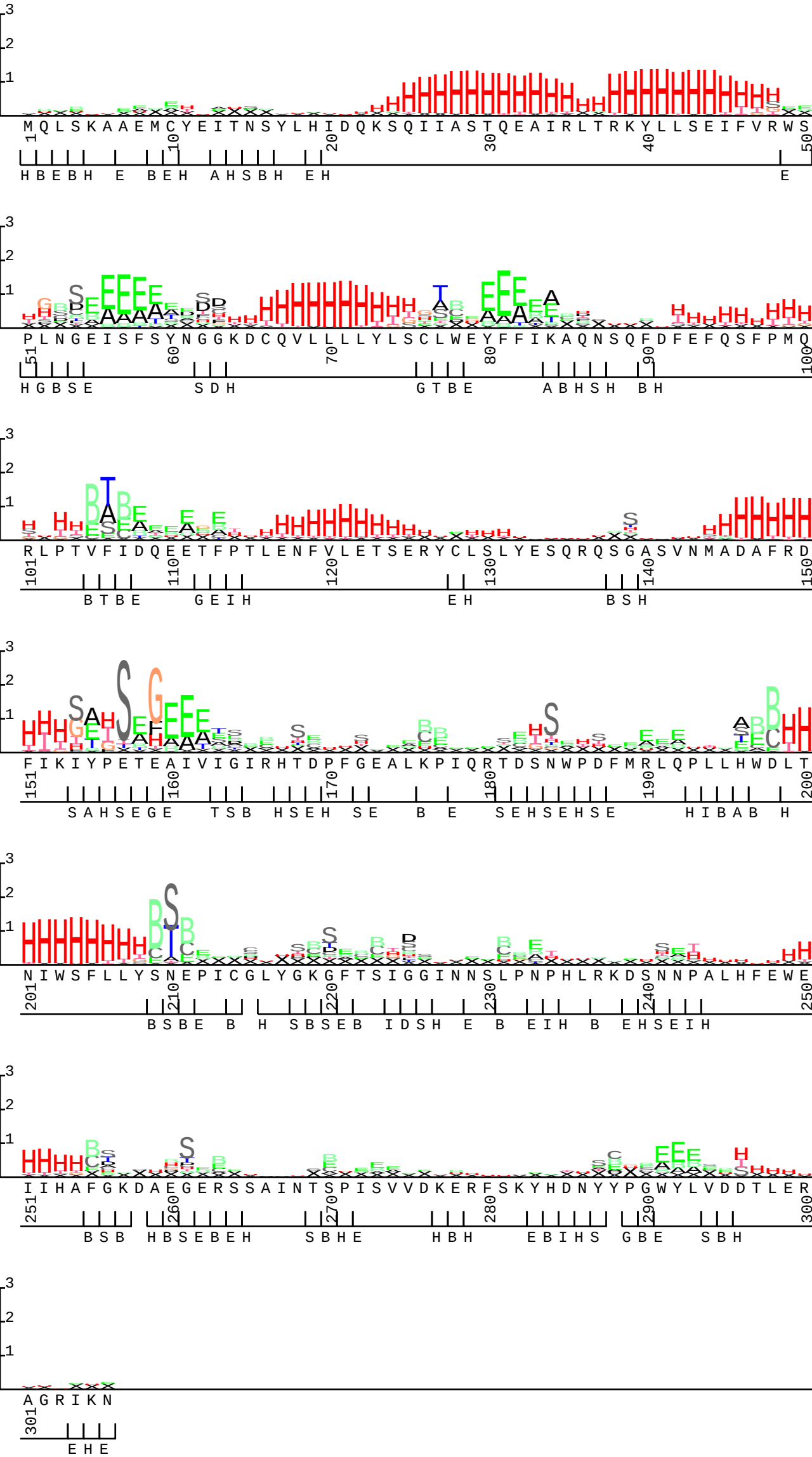T0320.t04 alpha