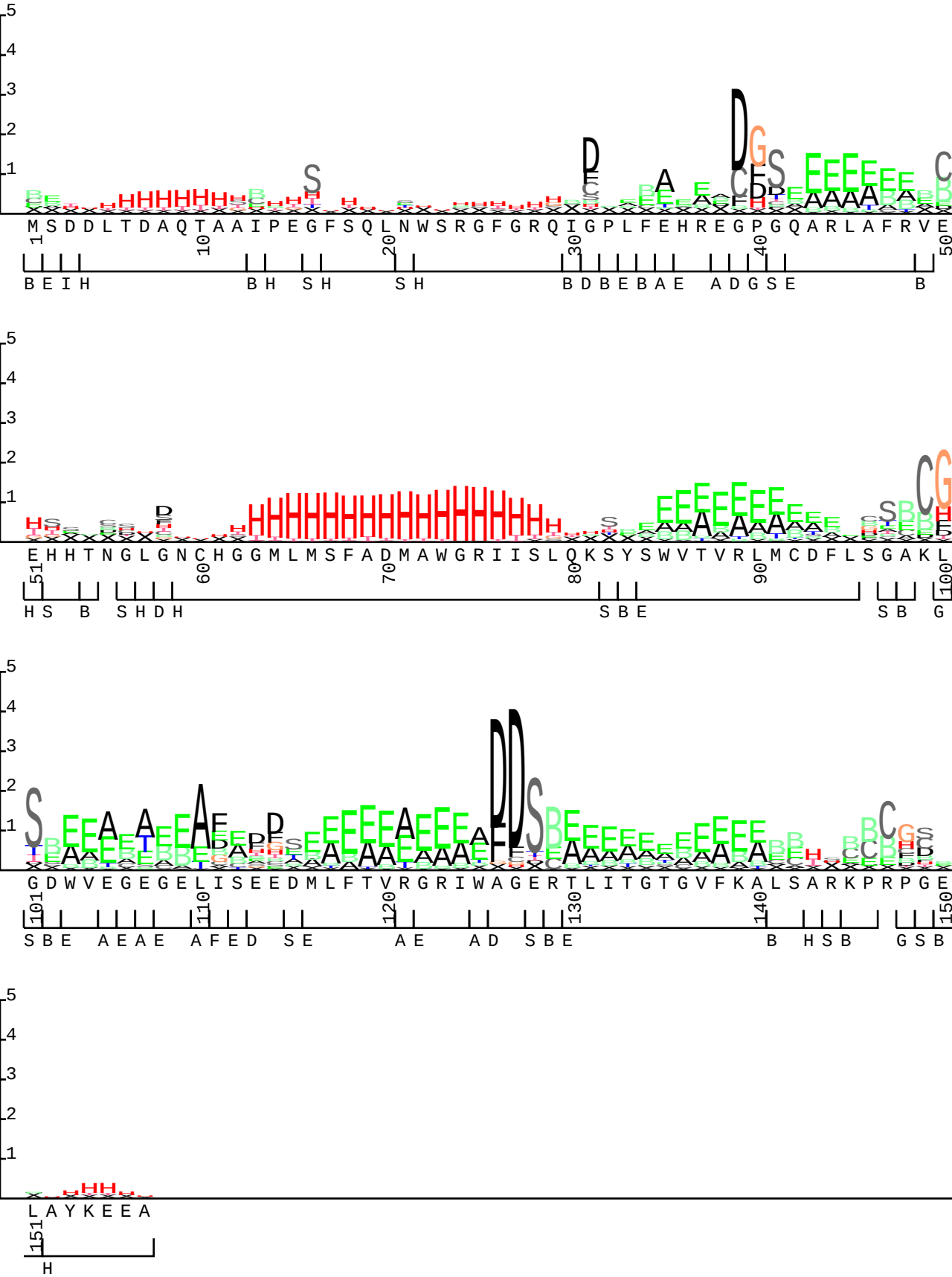T0322.t04 alpha