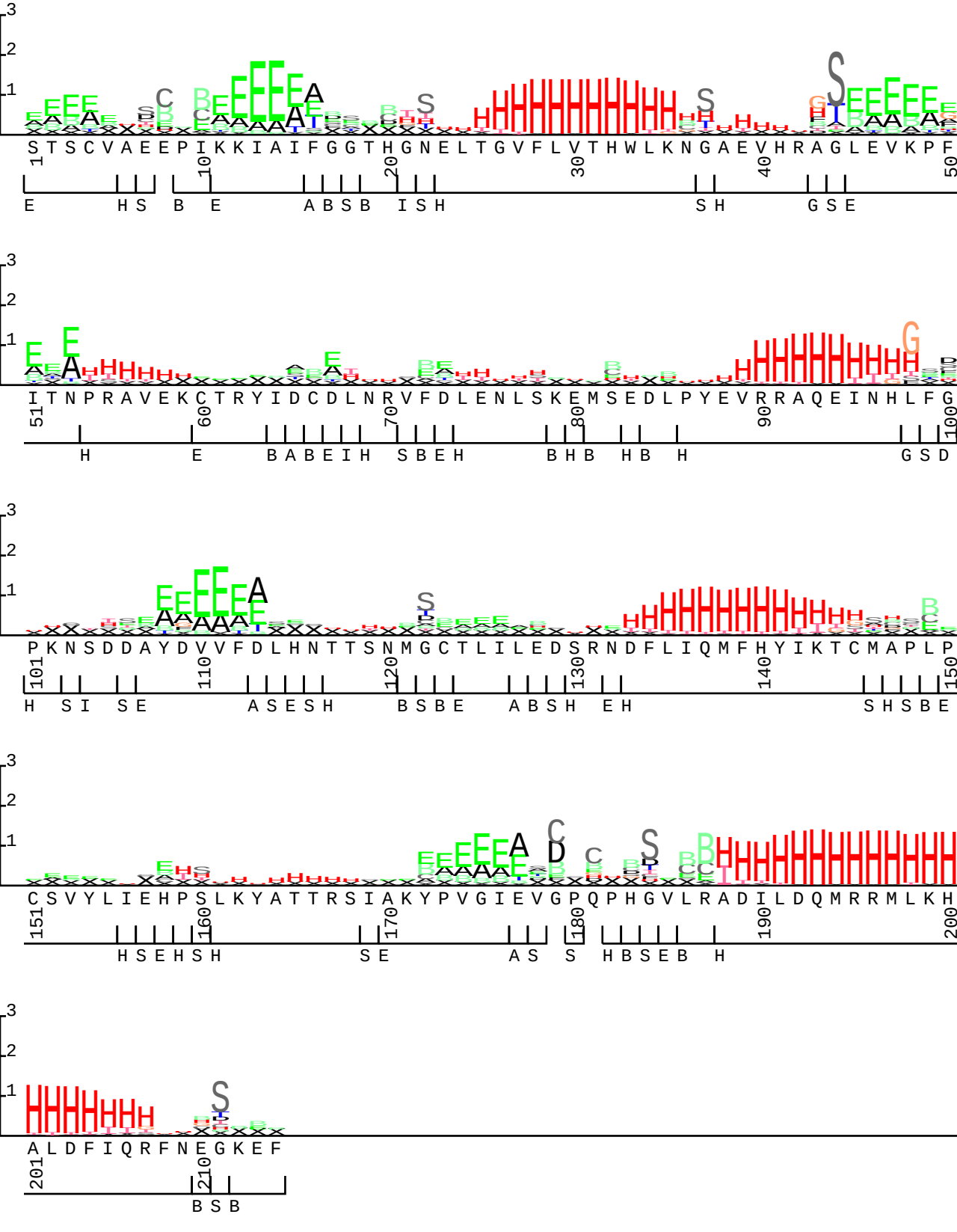T0289.t04 alpha