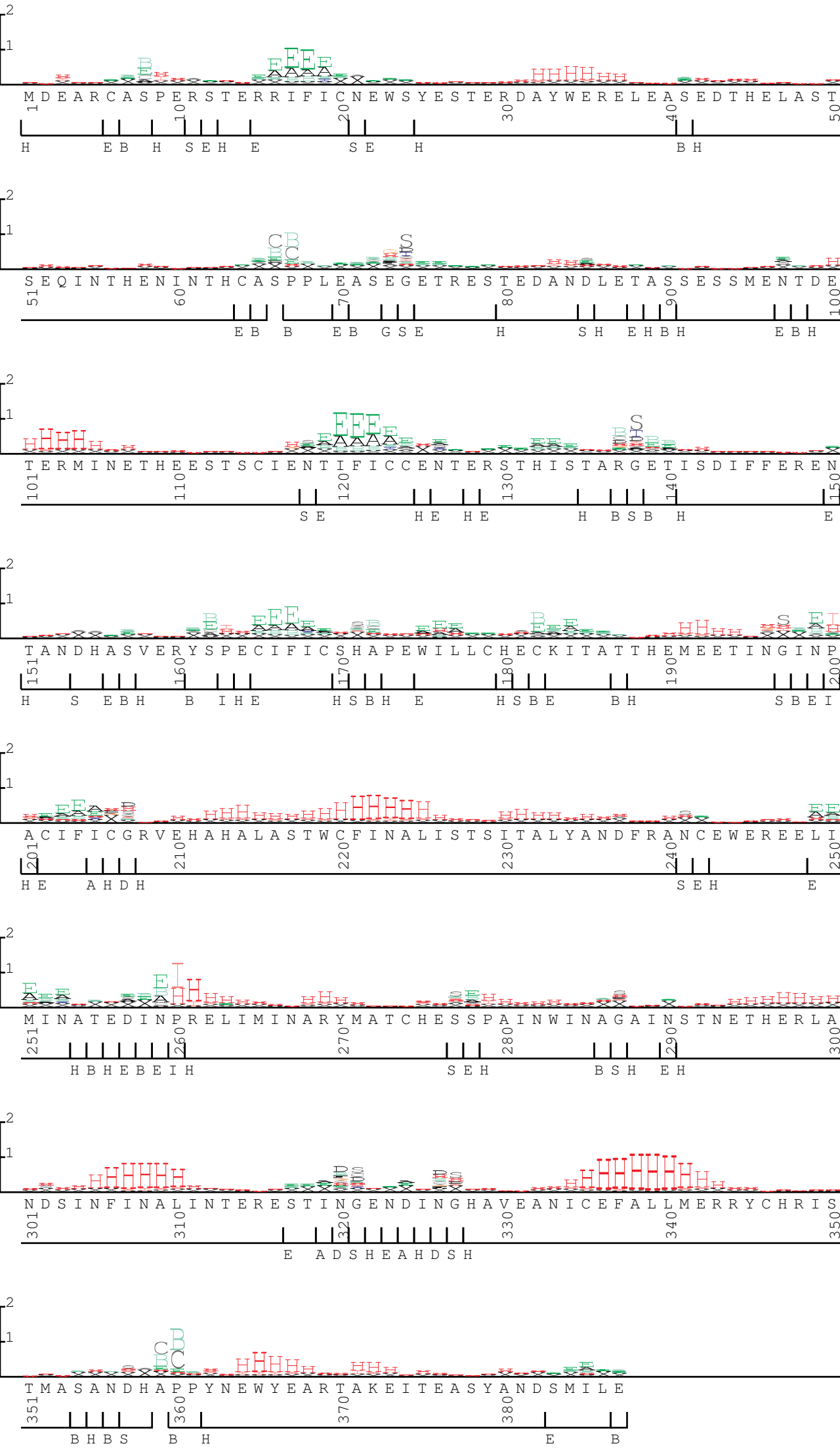T0642.t04 alpha