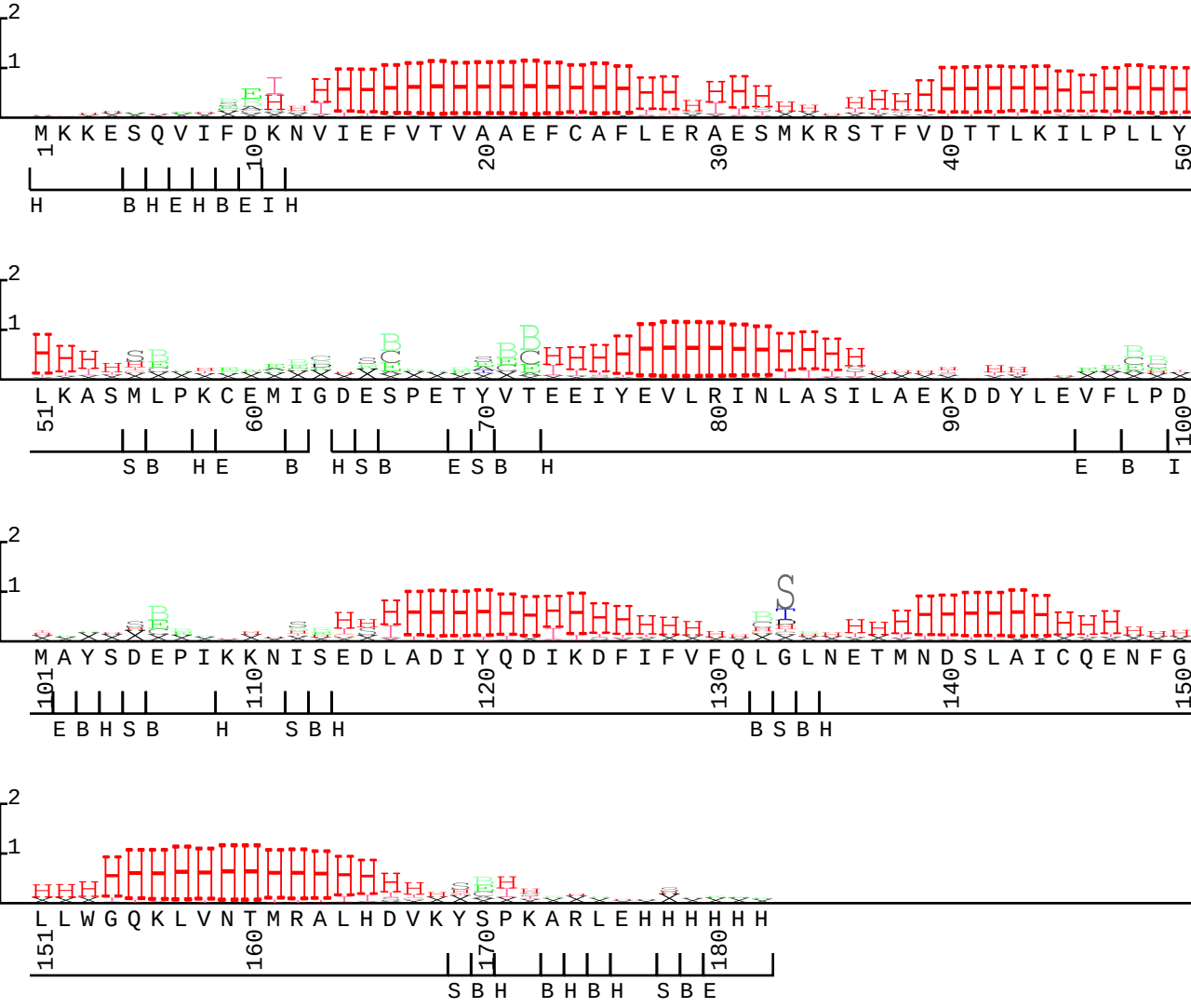T0618.t04 alpha