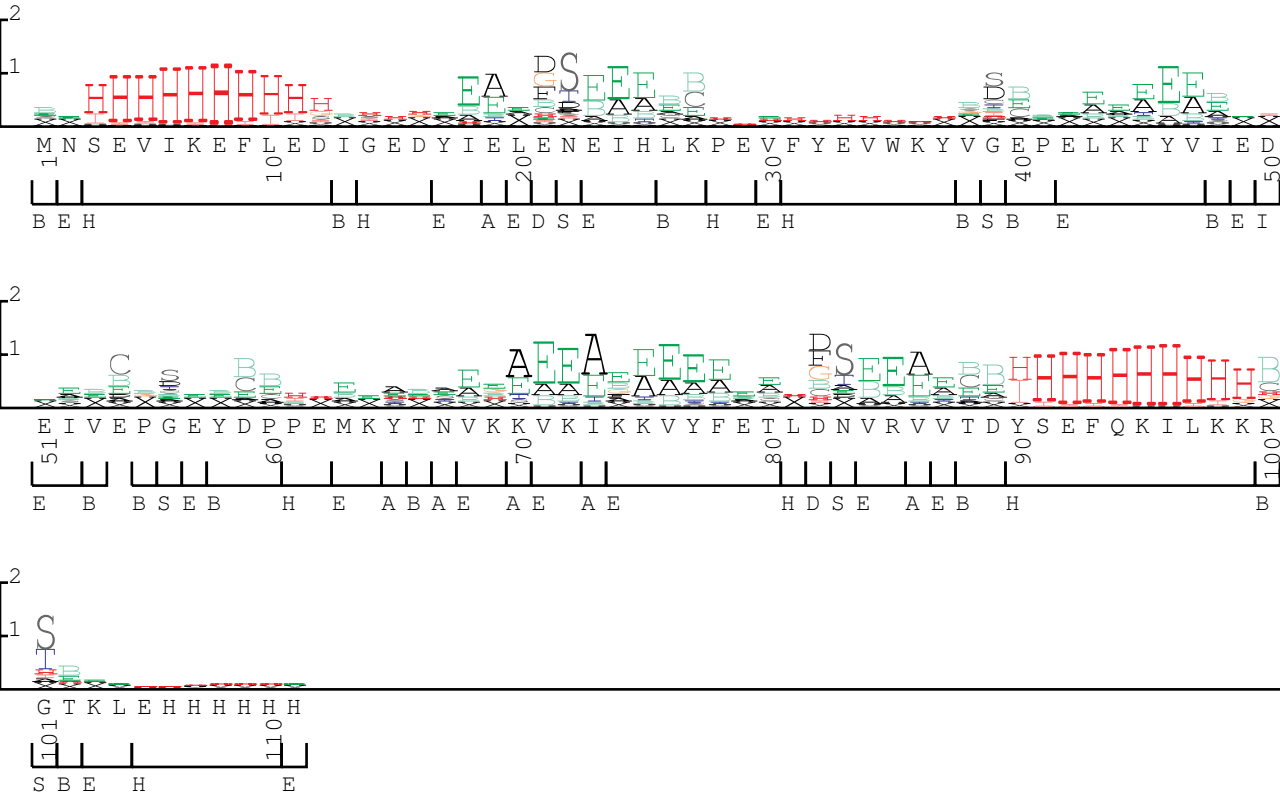T0460.t04 alpha