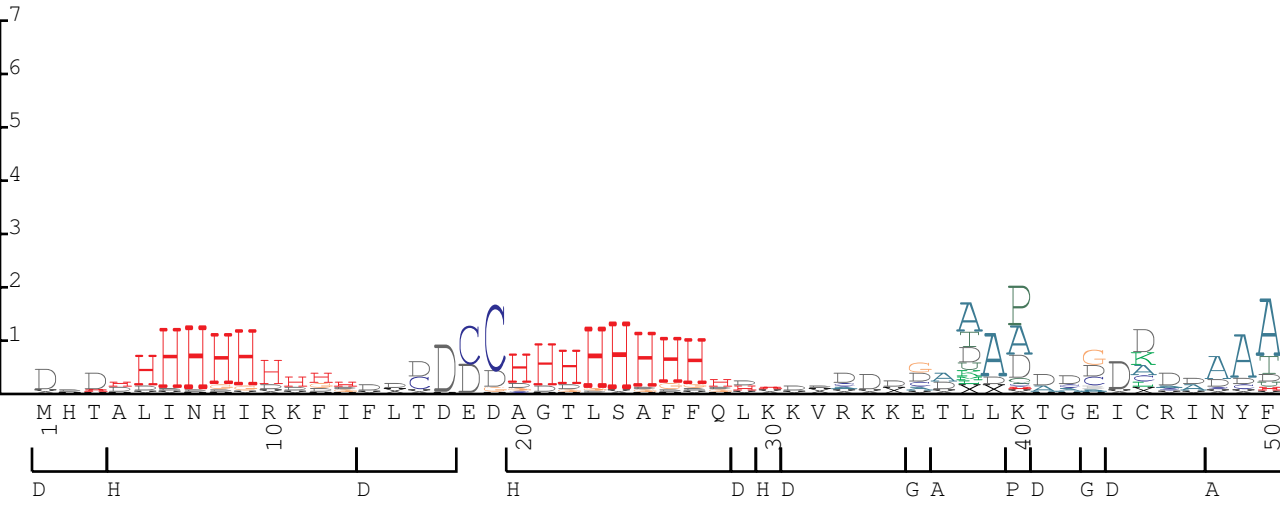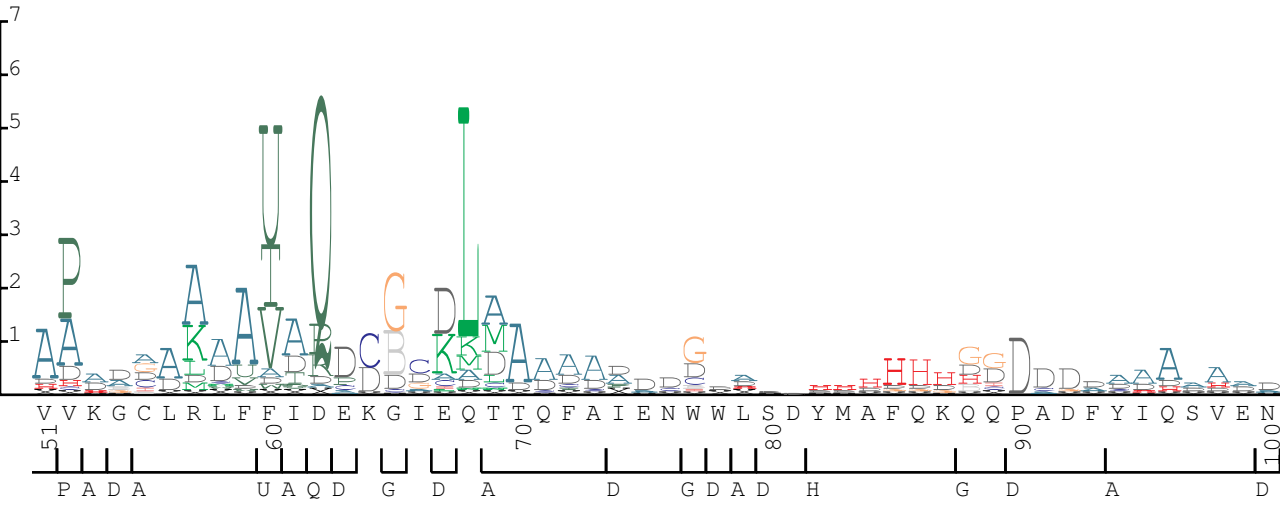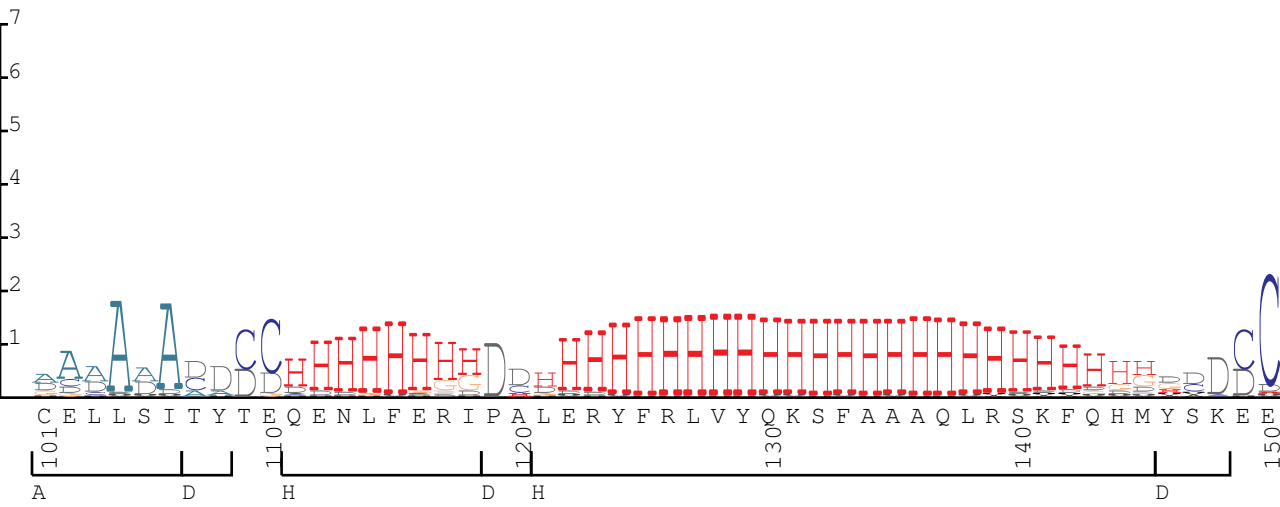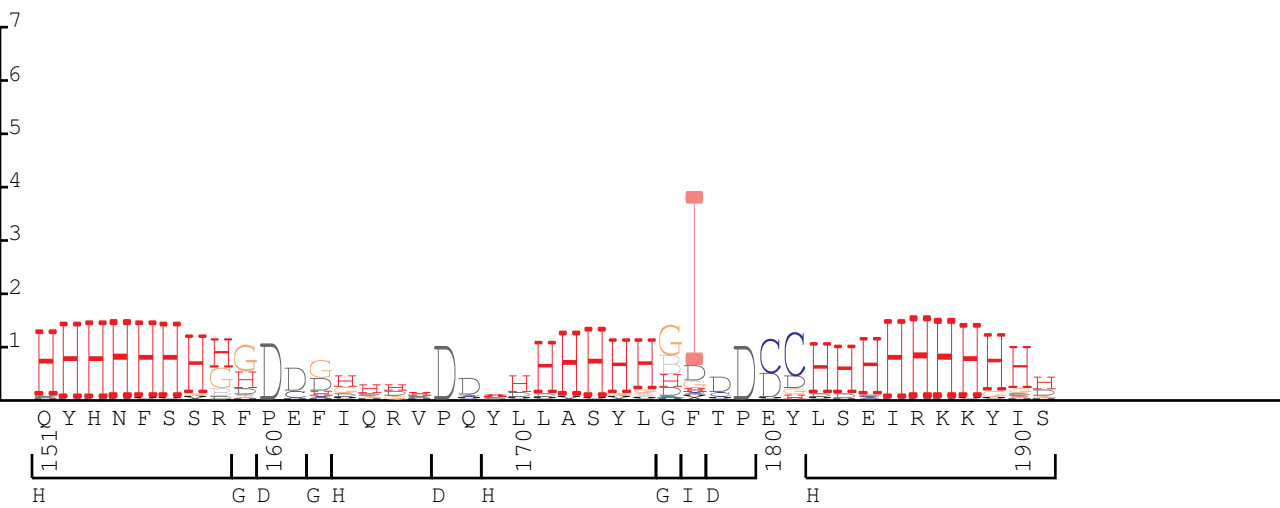T0503.t2k n_sep