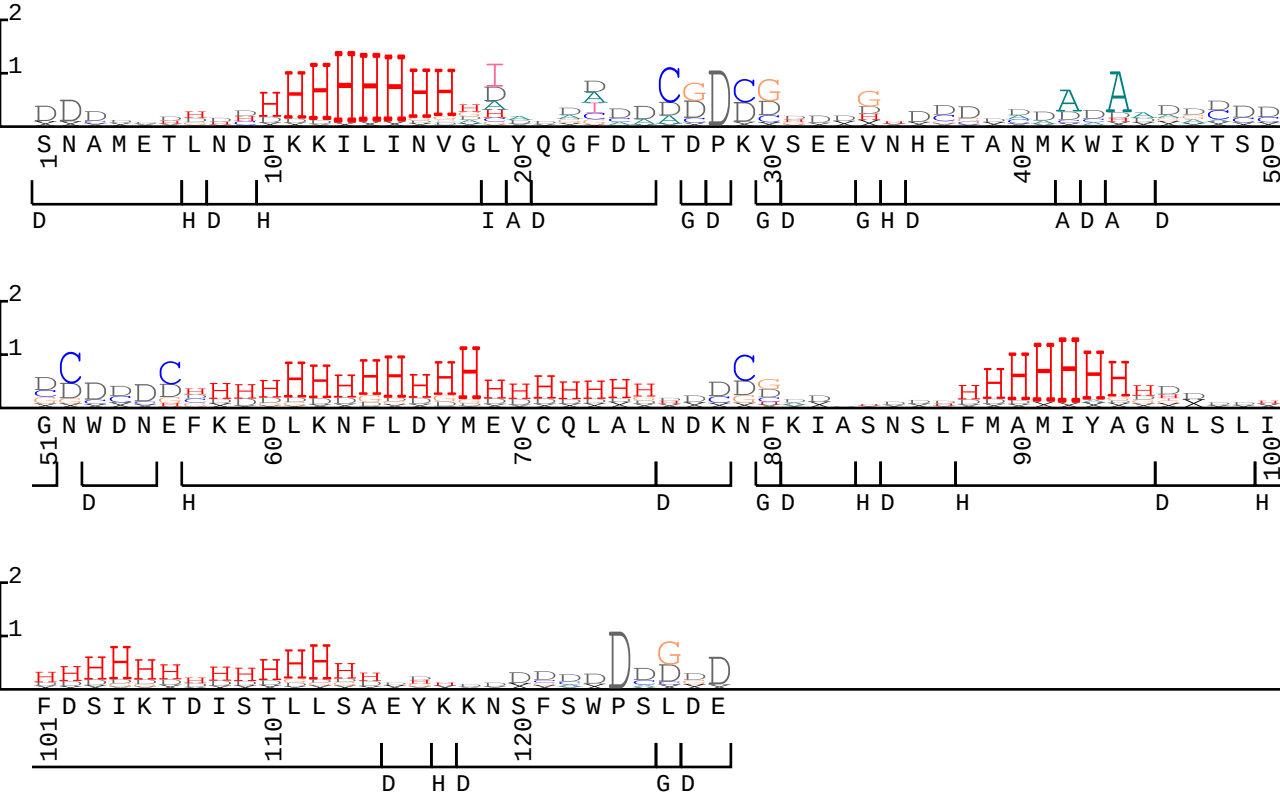T0639.t2k n_sep