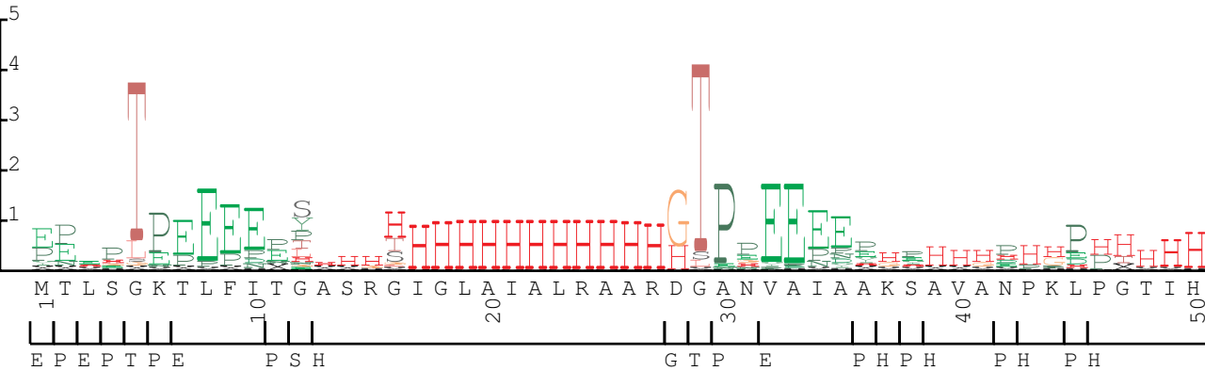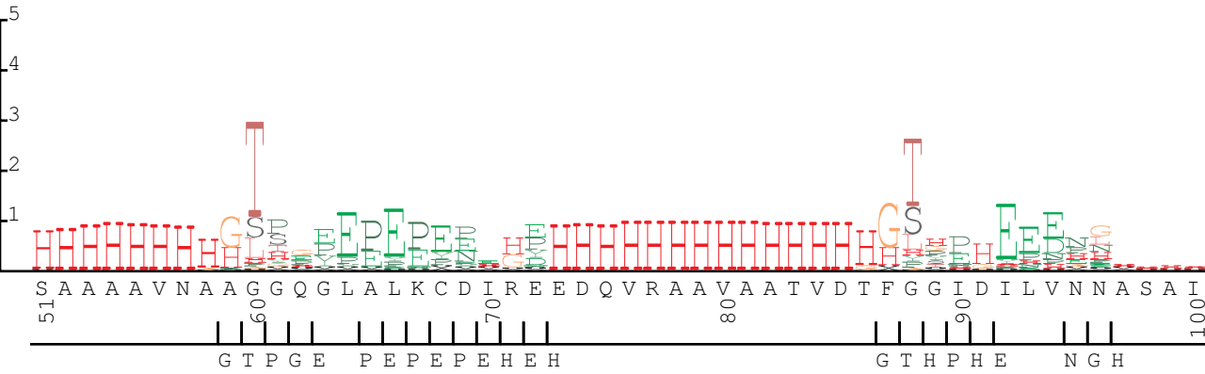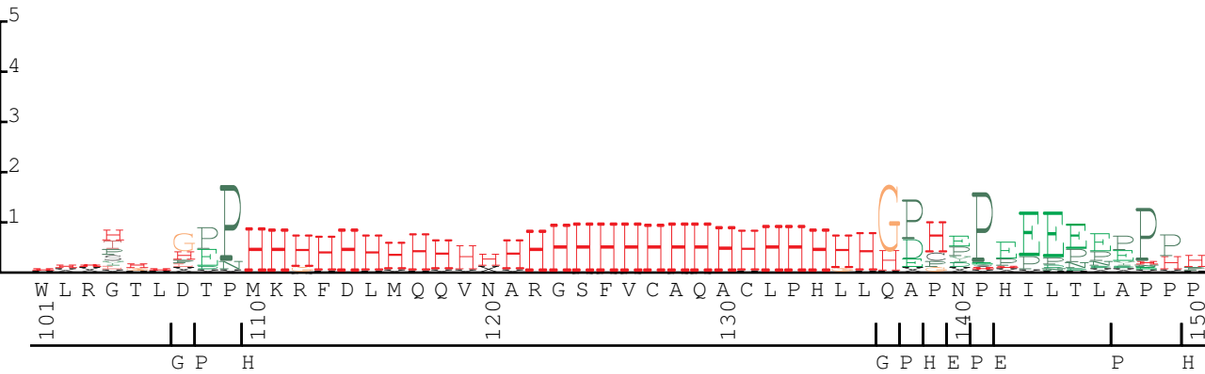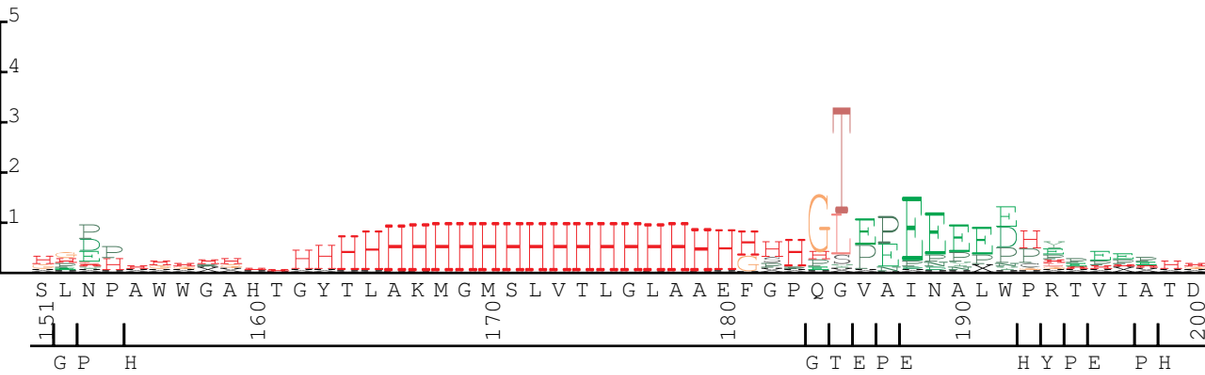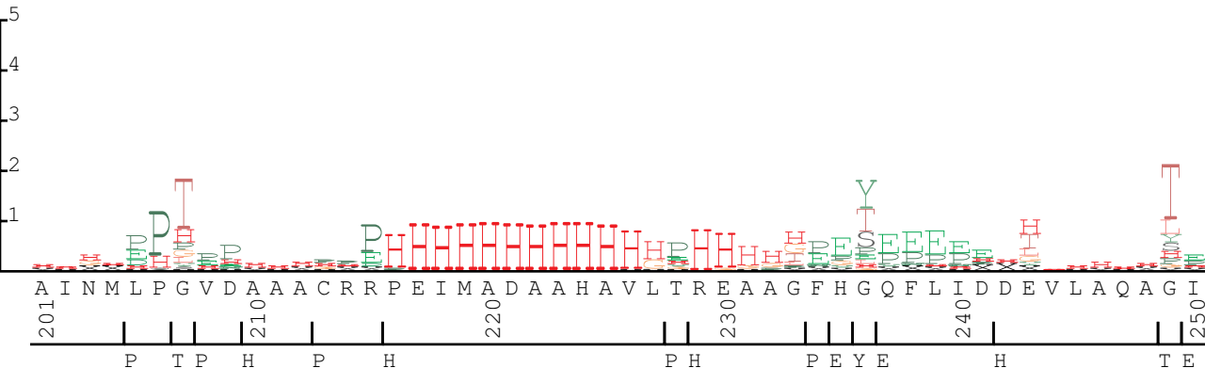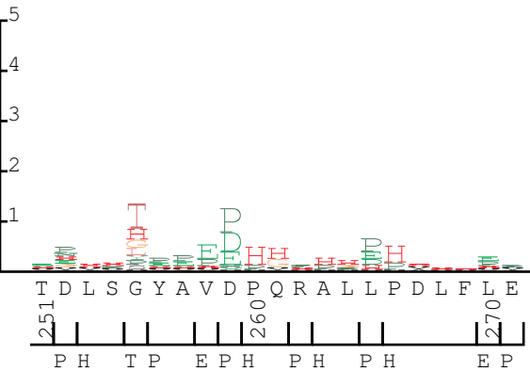T0511.t2k bys