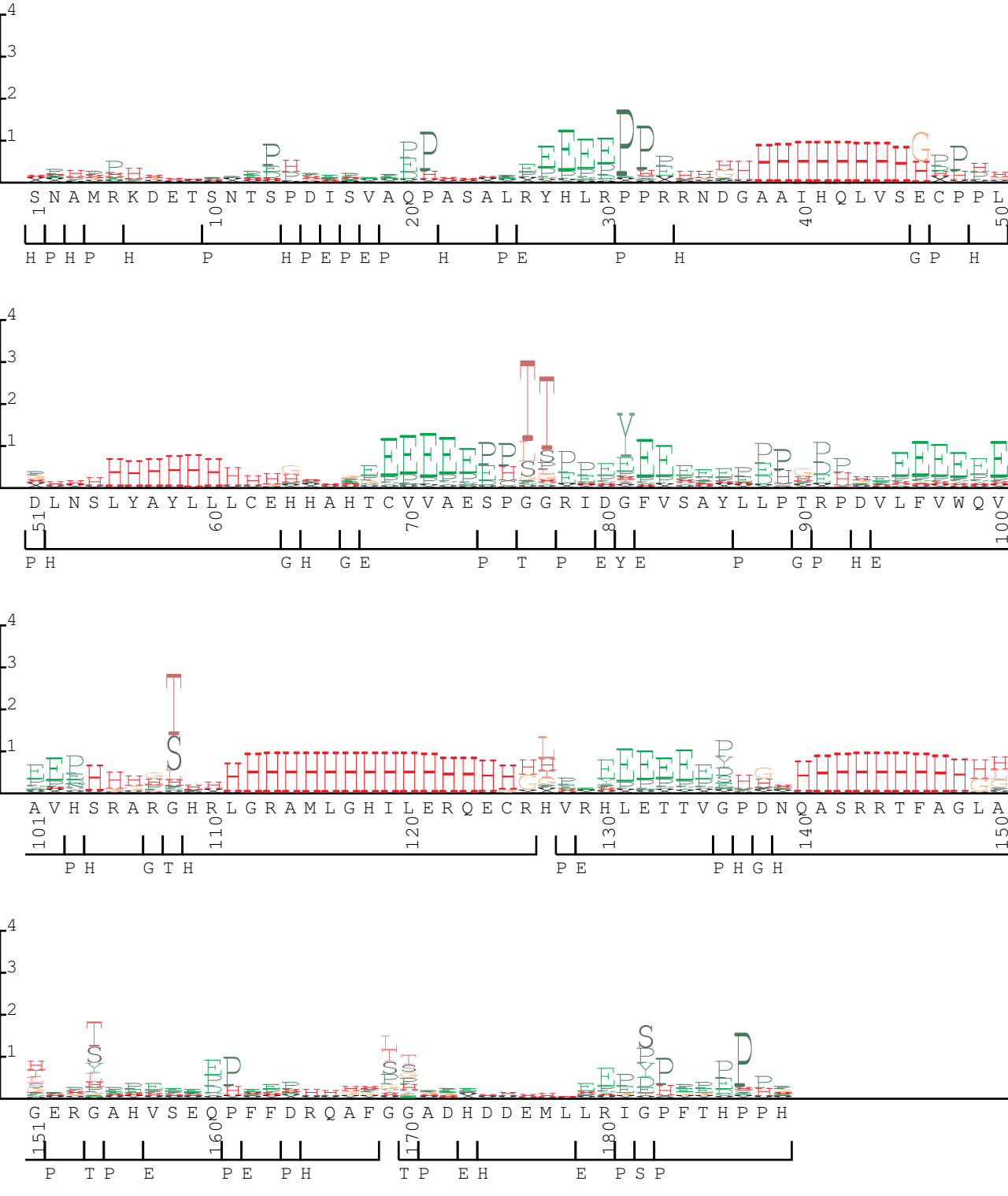T0417.t2k bys