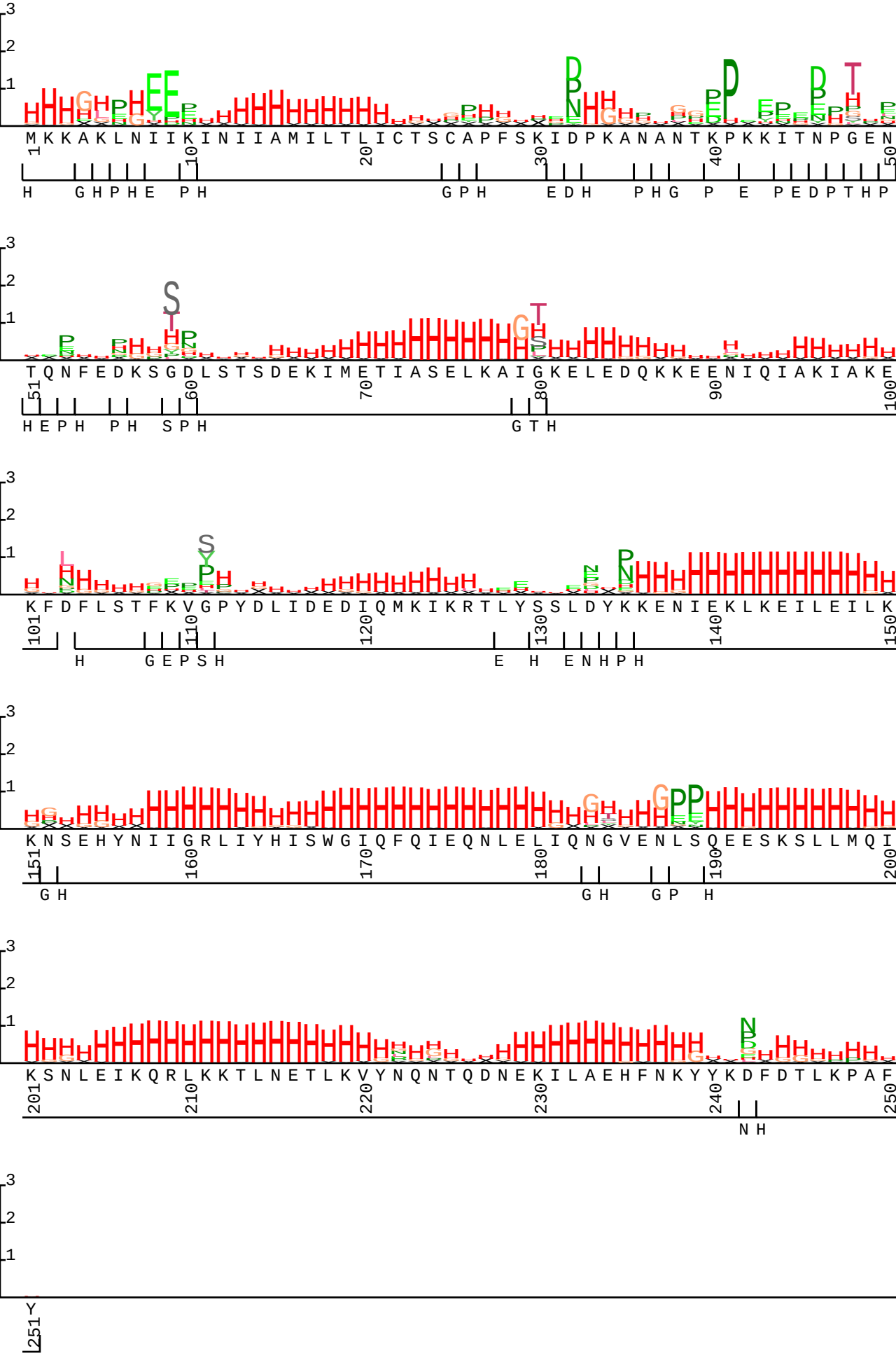T0238.t2k bys