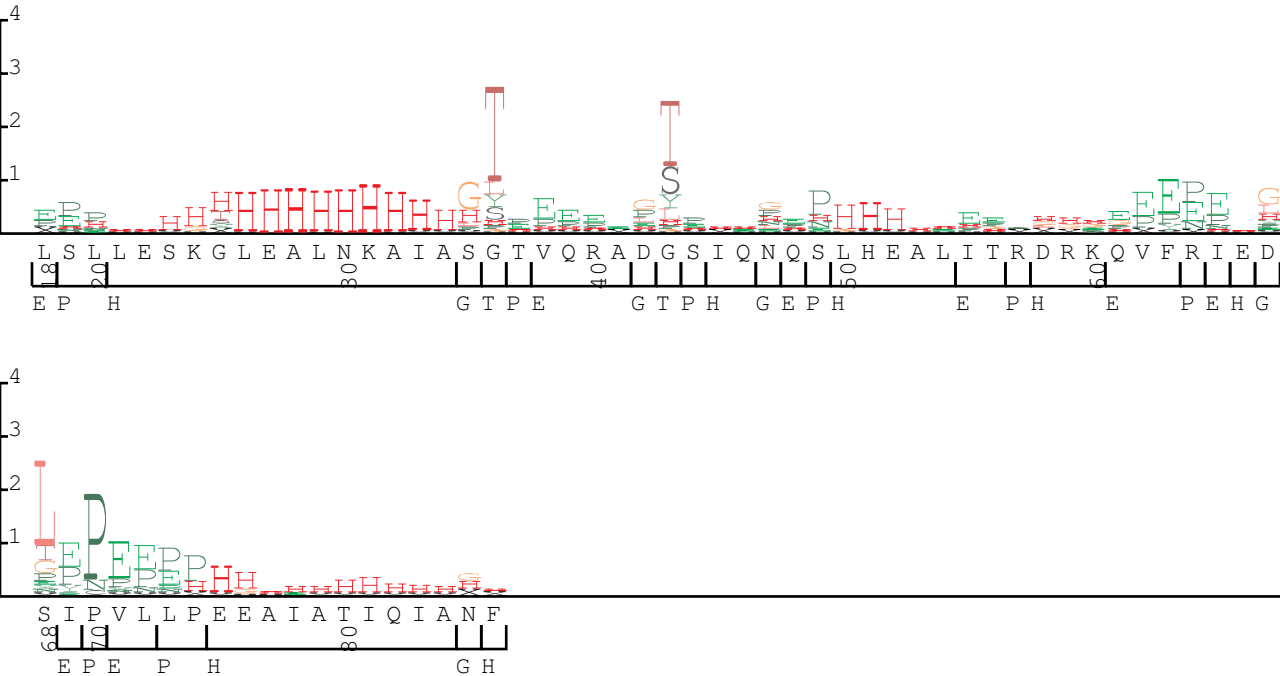TR464.t04 bys