>sp|P08046|EGR1\_MOUSE Early growth response protein 1 OS=Mus musculus OX=10090 GN=Egr1 PE=1 SV=2

MAAAKAEMQLMSPLQISDPFGSFPHSPTMDNYPKLEEMMLLSNGAPQFLGAAGTPEGSGGNSSSSTSSGGGGGGGSNSGSSAFNPQGEPSEQPYEHLTTESFSDIALNNEKAMVETSYPSQTTRLPPITYTGRFSLEPAPNSGNTLWPEPLFSLVSGLVSMTNPPTSSSSAPSPAASSSSSASQSPPLSCAVPSNDSSPIYSAAPTFPTPNTDIFPEPQSQAFPGSAGTALQYPPPAYPATKGGFQVPMIPDYLFPQQQGDLSLGTPDQKPFQGLENRTQQPSLTPLSTIKAFATQSGSQDLKALNTTYQSQLIKPSRMRKYPNRPSKTPPHERPYACPVESCDRRFS**RSDELTR**HIRIH*TGQKP*FQCRICMRNFS**RSDHLTT**HIRTHTGEKPFACDICGRKFA**RSDERKR**HTKIHLRQKDKKADKSVVASPAASSLSSYPSPVATSYPSPATTSFPSPVPTSYSSPGSSTYPSPAHSGFPSPSVATTFASVPPAFPTQVSSFPSAGVSSSFSTSTGLSDMTATFSPRTIEIC

For Python algorithm:

s1 = “MAAAKAEMQLMSPLQISDPFGSFPHSPTMDNYPKLEEMMLLSNGAPQFLGAAGTPEGSGGNSSSSTSSGGGGGGGSNSGSSAFNPQGEPSEQPYEHLTTESFSDIALNNEKAMVETSYPSQTTRLPPITYTGRFSLEPAPNSGNTLWPEPLFSLVSGLVSMTNPPTSSSSAPSPAASSSSSASQSPPLSCAVPSNDSSPIYSAAPTFPTPNTDIFPEPQSQAFPGSAGTALQYPPPAYPATKGGFQVPMIPDYLFPQQQGDLSLGTPDQKPFQGLENRTQQPSLTPLSTIKAFATQSGSQDLKALNTTYQSQLIKPSRMRKYPNRPSKTPPHERPYACPVESCDRRFS”

m1 = RSDELTR

s2 = “HIRIHTGQKPFQCRICMRNFS”

m2 = RSDHLTT

s3 = “HIRTHTGEKPFACDICGRKFA”

m3 = RSDERKR

s4 = “HTKIHLRQKDKKADKSVVASPAASSLSSYPSPVATSYPSPATTSFPSPVPTSYSSPGSSTYPSPAHSGFPSPSVATTFASVPPAFPTQVSSFPSAGVSSSFSTSTGLSDMTATFSPRTIEIC”