

1 10 20 30 40 50 60 70 80 90 100 110
human MTRDFKPGDLIFAKMKGYPHWPARVDEVPDGAVKPPTNKLPIFFFGTHETAFLGPKDIFPYSENKEKYGKPNKRKGFNEGLWEIDNPKVKFSSQQAATKQSNASSDVEV
bovine MTRDFKPGDLIFAKMKGYPHWPARVDEVPDGAVKPPTNKLPIFFFGTHETAFLGPKDIFPYSENKEKYGKPNKRKGFNEGLWEIDNPKVKFSSQQAATKQSNASSDVEV
equine MTRDFKPGDLIFAKMKGYPHWPARVDEVPDGAVKPPTNKLPIFFFGTHETAFLGPKDIFPYSENKEKYGKPNKRKGFNEGLWEIDNPKVKFSSQQAATKQSNASSDVEV

120 130 140 150 160 170 180 190 200 210 220
human EEKETS VKSKEDTDHEEKAS NEDVTKAVDITTPKAAARRGRKRKAEKCVETEEAGVVTATASVNLKVS PKRGRPAATEVKIPKPRGRPKMVKQPCPSES DMITEEDKSKKK
bovine EEKETS VKSKEDTDHEEKAS NEDVTKAVDITTPKAAARRGRKRKAEKCVETEEAGVVTATASVNLKVS PKRGRPAATEVKIPKPRGRPKMVKQPCPSES DMITEEDKSKKK
equine EEKETS VKSKEDTDHEEKAS NEDVTKAVDITTPKAAARRGRKRKAEKCVETEEAGVVTATASVNLKVS PKRGRPAATEVKIPKPRGRPKMVKQPCPSES DMITEEDKSKKK

230 240 250 260 270 280 290 300 310 320 330
human GQEEKQPKKQPKKDEEGQKEEDKPRKEPDKKEGKKEVESKRKNLAKTGVTSTSDSEEEGDDQEGEKRRKGRNFQTAHRRNMLKGOHEKEEAADRKRKQEEQMETEQQNKD
bovine GQEEKQPKKQLKKDEEGQKEEDKPRKEPDKKEGKKEVESKRKNLAKTGVTSTSDSEEEGDDQEGEKRRKGRNFQTAHRRNMLKGOHEKEEAADRKRKQEEQMETEQQNKD
equine GQEEKQPKKQLKKDEEGQKEEDKPRKEPDKKEGKKEVESKRKNLAKTGVTSTSDSEEEGDDQEGEKRRKGRNFQTAHRRNMLKGOHEKEEAADRKRKQEEQMETEQQNKD

340 350 360 370 380 390 400 410 420 430 440
human EGKKPEVKKVEKKRETSMDSRLQRIHAEIKNSLKDIDNLDVNRRCIEALDELASLQVTMQQAQKHEMITLEKIRRFKVSQVIMEKSTMLYNKFKNMFLVGEGDSVITQVL
bovine EGKKPEVKKVEKKRETSMDSRLQRIHAEIKNSLKDIDNLDVNRRCIEALDELASLQVTMQQAQKHEMITLEKIRRFKVSQVIMEKSTMLYNKFKNMFLVGEGDSVITQVL
equine EGKKPEVKKVEKKRETSMDSRLQRIHAEIKNSLKDIDNLDVNRRCIEALDELASLQVTMQQAQKHEMITLEKIRRFKVSQVIMEKSTMLYNKFKNMFLVGEGDSVITQVL

450 460 470 480 490 500 510 520 530
human NKSLAEQRQHEEANKTKDQGGKGPNNKLEKEQTGSKTLNGGSDAQDGNQPOHNGDSNEEDSKDNHEASTKKKPSSEERETEISLKDSTLDN
bovine NKSLAEQRQHEEANKTKDQGGKGPNNKLEKEQTGSKTLNGGSDAQDGNQPOHNGDSNEEDSKDNHEASTKKKPSSEERETEISLKDSTLDN
equine NKSLAEQRQHEEANKTKDPGGKGPNNKLEKEQTGSKTLNGGSDAQDGNQPOHNGDSNEEDSKDSHEASTKKKPSSEERETEISLKESTLDN