

Brown_Rat 1 MQKIKSLMTRQG-----
Equus_caballus 1 MQKIKSLMTRQG-----
Canis_familiari 1 MQKIKSLMTRQWNCCENGDSASIRCLLDLSGSNHCLIGIEKKLKNNTYKKLELYCVKCEG
Cow 1 MQKIKSLMTRQG-----
Chicken_CCDC132 1 MQKIKSLMTRQG-----
Human 1 -----MTRQG-----
Xenopus 1 MQKIKSLMTRQG-----
Mouse_FLJ20097_ 1 MQKIKSLMTRQG-----
consensus 1 mqkiks1MTRQG-----

Brown_Rat 13 LKSPPEsLNDLGAfESLRVPGKEEFRELREQPSDPQAEQELINSIEQVYFSADPFDFIVKY
Equus_caballus 13 LKSPPEsLSDLGAIeSLRVPgKEEFRELREQPTDPQAEQELINSIEQVYFSTDSFDIVKY
Canis_familiari 61 LKSPPEsLSDLGAIeSLRVPgKEEFRELREQPSDPQAEQELINSIEQVYFSTDSFDIVKY
Cow 13 LKSPPEsFSDLGAIeSLRVPgKEEFRELREQPSDPQAEQELINSIEQVYFSTDSFDIVKY
Chicken_CCDC132 13 LRSPQESVHDLSPiENLRFPTKEELRESWEPTDPQAEQEIINSIEEVYFSNDAFDFIVKY
Human 6 LKSPQESLSDLGAIeSLRVPgKEEFRELREQPSDPQAEQELINSIEQVYFSVDSFDIVKY
Xenopus 13 SKSPQDSFHDLSPIENLRTPTKEELRELRErATDPQAEQELINSIEDIYFSSDSFDIVKY
Mouse_FLJ20097_ 13 LKSPPEsLNDLGAfESLRVPGKEEFRELREQPSDPQAEQELINSIEQVYFSADPFDFIVKY
consensus 61 lkSPPeSlsDLGaiEsLRvPgKEEFRElReQpsDPQAEQELINSIEQvYFStDsFDIVKY

Brown_Rat 73 ELEKLPPVLNLQELeEYRDKLKQQAAVSKKVADLILEKQPAYVKELERVTSLQTLGLQLA
Equus_caballus 73 ELEKLPPVLNLQELeEYRDKLKQQAAVSKKVADLILEKQPAYVKELERVTSLQTLGLQLA
Canis_familiari 121 ELEKLPPVLNLQELeEYRDKLKQQAAVSKKVADLILEKQPAYVKELERVTSLQTLGLQLA
Cow 73 ELEKLPPVLNLQELeEYRDKLKQQAAVSKKVADLILEKQPAYVKELERVTSLQTLGLQLA
Chicken_CCDC132 73 ELERLPPVLSLQELeEYRDKLKQQ-----AAELERVTSLQNLGLQLA
Human 66 ELEKLPPVLNLQELeAYRDKLKQQAAVSKKVADLILEKQPAYVKELERVTSLQTLGLQLA
Xenopus 73 ELEKLPPVLNLQELVeYRDKLKHQAAVSKKVADLILEKQPAYVKELERVTSLQTLGLQLA
Mouse_FLJ20097_ 73 ELEKLPPVLNLQELeEYRDKLKQQSAVSKKVADLILEKQPAYVKELERVTSLQTLGLQLA
consensus 121 ELEkLPPVLnLQELeEeYRDKLKqQQAavskkvadlilekqpayvkELERVTSLQtGLQLA

Brown_Rat 133 AVICTNSRRHLNIaKEGFTQASLGLLANQRKRQLLIGLLKSLRTIKTLQRTDVRLSEMLe
Equus_caballus 133 AVICTNGRRHLNIaKEGFTQASLGLLANQRKRQLLIGLLKSLRTIKTLQRTDVRLSEMLe
Canis_familiari 181 AVICTNGRRHLNIaKEGFTQASLGLLANQRKRQLLIGLLKSLRTIKTLQRTDVRLSEMLe
Cow 133 AVICTNGRRHLNIaKEGFTQASLGLLANQRKRQLLIGLLKSLRTIKTLQRTDVRLSEMLe
Chicken_CCDC132 115 AVICADGRRHLNIaKEGFTQTSLGLLANQRKRQLLIGLLKSLRTIKTLQRTDVRLSEMLe
Human 126 AVICTNGRRHLNIaKEGFTQASLGLLANQRKRQLLIGLLKSLRTIKTLQRTDVRLSEMLe
Xenopus 133 AVICTNGRRHLNVaKEGFTQASLGLLANQRKRQLLIGLLKSLRTIKTLQRTDVRLSEMLe
Mouse_FLJ20097_ 133 AVICTNGRRHLNIaKEGFTQASLGLLANQRKRQLLIGLLKSLRTIKTLQRTDIrLSEMLe
consensus 181 AVICTngRRHLNiAKEGFTQaSLGLLANQRKRQLLIGLLKSLRTIKTLQRTDvRLSEMLe

Brown_Rat 193 EEDYPGAIQCLCQCkAASTFKHYSCISELNSKLQDTLEQIEEQLDVALSKICKNFdVNH
Equus_caballus 193 EEDYPGAIQCLCQCkAASTFKHYSCISELNSKLQDTLEQIEEQLDVALSKICKNFdINH
Canis_familiari 241 EEDYPGAIQCLCQCkAASTFKHYSCISELNSKLQDTLEQIEEQLDVALSKICKNFdINH
Cow 193 EEDYPGAIQCLCQCkAASTFKHYSCISELNSKLQDTLEQIEEQLDVALSKICKNFdVNH
Chicken_CCDC132 175 EEDYPGAIQCLCQCkAASTFKHYSCISELNSKLQDTLEQIEEQLDVALSKICKNFdINH
Human 186 EEDYPGAIQCLCQCkAASTFKHYSCISELNSKLQDTLEQIEEQLDVALSKICKNFdINH
Xenopus 193 EEDYPGAIQCLCQCkAASTFRHYSCISELNSKLQDTLEQIEEQLDVALSKICKNFdVAH
Mouse_FLJ20097_ 193 EEDYPGAIQCLCQCkAASTFKHYSCISELNSKLQDTLEQIEEQLDVALSKICKNFdINH
consensus 241 EEDYPGAIQCLCQCkAASTFKHYSCISELNSKLQDTLEQIEEQLDVALSKICKNFdinh

Brown_Rat 253 YTKVQQAyRLLGKTQTAMdQLHMHfTQAIHNTVfQVVLGYVELcAGNTDTKfQKLqYKDL
Equus_caballus 253 YTKVQQAyRLLGKTQTAMdQLHMHfTQAIHNTVfQVVLGYVELcAGNTDTKfQKLqYKDL
Canis_familiari 301 YTKVQQAyRLLGKTQTAMdQLHMHfTQAIHNTVfQVVLGYVELcSGNTDTKfQKLqYKDL
Cow 253 YTKVQQAyRLLGKTQTAMdQLHMHlTQAIHNTVfQVVLGYVELcAGNTDTKfQKLqYKDL
Chicken_CCDC132 235 YTKVQQAyRLLGKTQTAMdQLHMHfTQAIHNTVfQVVLGYVELcAGNTDTKfQKLqYKDL
Human 246 YTKVQQAyRLLGKTQTAMdQLHMHfTQAIHNTVfQVVLGYVELcAGNTDTKfQKLqYKDL
Xenopus 253 YTKVHQAyRLLGKTQTAMdQLHMHfTQAIHNTVfQVVLGYVELcAGNTDTKfQKLpYKDL
Mouse_FLJ20097_ 253 YTKVQQAyRLLGKTQTAMdQLHMHfTQAIHNTVfQVVLGYVELcAGNTDTKfQKLqYKDL
consensus 301 YTKVqQAyRLLGKTQTAMdQLHMHfTQAIHNTVfQVVLGYVELcAGNTDTKfQKLqYKDL

Brown_Rat 313 CTHVTPDSYIPCLADLCKALWEVMSLYYRTMEWHEKHDSEETAAS---EGSNVMSTeET
Equus_caballus 313 CTHVTPDSYIPCLADLCKALWEVMSLYYRTMEWHEKHDSEDTISAS---EGSNMMGTeET
Canis_familiari 361 CTHVTPDSYIPCLADLCKALWEVMSLYYRTMEWHEKHDNEDTTSAS---EGSN-IgTeET
Cow 313 CTHVTPDSYIPCLADLCKALWEVMSLYYRTMEWHEKHDNEDTTSAS---EGSNMMGAeET
Chicken_CCDC132 295 CTHITSDSYIPCLADLCKALWEVMSLYYRTMOWHENHDQDEAA TVSSVSDGSSVVGTeEN
Human 306 CTHVTPDSYIPCLADLCKALWEVMSLYYRTMEWHEKHDNEDTASAS---EGSNMIGTeET
Xenopus 313 CMHITSDSYIPCLADLCKALWEVMSLYYRTMEWHEKHYEREIAPPTP---DMNNVSGTeDT
Mouse_FLJ20097_ 313 CTHVTPDSYIPCLADLCKALWEVMSLYYRTMEWHEKHDNEETAAS---EGSNVMSTeEA
consensus 361 CtHvTpDsyIPCLaDLCKALWEVMSLYyRTMEWHEkhdnedtasas---egsnvmgtEet

Brown_Rat 370 NFDrgYVKKKLEHGLTRIWQDVQLKVKTYLLGTDLSIFKYDDFIFVLDIVSRLMQVGEEF
Equus_caballus 370 NFDrgYIkkkLEHGLTRIWQDVQLKVKTYLLGTDLSIFKYDDFIFVLDIISRLMQVGEEF
Canis_familiari 417 NFDrgYIkkkLEHGLTRIWQDVQLKVKTYLLGTDLSIFKYDDFIFVLDIISRLMQVGEEF
Cow 370 SFDRGYIkkkLEHGLTRIWQDVQLKVKTYLLGTDLSIFKYDDFIFVLDIISRLMQVGEEF
Chicken_CCDC132 355 SFDRSYVKKKLEHGLSRIWQDVQLKVKTYLLGTDLSNFKYDDFIFVLDVISRLMQVGEEF
Human 363 NFDrgYIkkkLEHGLTRIWQDVQLKVKTYLLGTDLSIFKYDDFIFVLDIISRLMQVGEEF
Xenopus 370 NFDrsYIkkkLEHGLSRIWQDVQLKVKTYLLGTDMSNFKYDDFIFVLDIVSRLMQVGEEF
Mouse_FLJ20097_ 370 TFDRGYVKKKLEHGLTRIWQDVQLKVKTYLLGTDLSIFKYDDFIFVLDIVSRLMQVGEEF
consensus 421 nFDRgYiKKKLEHGLtRIWQDVQLKVKTYLLGTDLSiFKYDDFIFVLDiISRLMQVGEEF

Brown_Rat 430 CGSKSEVlQESIRKQSiNYFKNHHRIRLDELRMFLENETWELCPVKSNFsILQLHEFKFL
Equus_caballus 430 CGSKSEVlQESIRKQSVNYFKNYHRTRLDELRMFLENETWELCPVKSNFsILQLHEFKFM
Canis_familiari 477 CGSKSEVlQESIRKQSVNYFKNYHRTRLDELRMFLENETWELCPVKSNFsILQLHEFKFM
Cow 430 CGSKSEVlQESIRKQSVNYFKNYHRTRLDELRMFLENETWELCPVKSNFsILQLHEFKFM
Chicken_CCDC132 415 CGSKSEVlQESIRKQSVNYFKTYHRTREELRMFLENETWELCPVKSsFDILQLHEFKFM
Human 423 CGSKSEVlQESIRKQSVNYFKNYHRTRLDELRMFLENETWELCPVKSNFsILQLHEFKFM
Xenopus 430 CGSKSEAlQESIRKQSVNYFKNYHRTREELRMFLENETWELCPVKSsFsILQLHEFKCL
Mouse_FLJ20097_ 430 CGSKSEVlQESIRKQSVNYFKNHHRIRLDELRMFLENETWELCPVKSNFsILQLHEFKFL
consensus 481 CGSKSEvLQESIRKQSVNYFKnyHRTRLdELRMFLENETWELCPVKSnFsILQLHEFKfm

Brown_Rat 490 EQSRSPSVSPSKQPSATSSKPVTLFEQYCSG GNPFEIQADHKDEETEDVLASNGYESDEQ
Equus_caballus 490 EQSRSPSVSPSKQPASTSSKTvTLFEQYCSG GNPFEIQANHKDEETEDVLASNGYESDEQ
Canis_familiari 537 EQSRSPSVSPSKQPASTSSKTvTLFEQYCSdGNPFEIQANHKDEETEDVLASNGYESDEQ
Cow 490 EQSRSPSVSPSKQSSATSSKTvTLFEQYCSG GNPFEIQADHKDEETEDVLASNGYESDEQ
Chicken_CCDC132 475 VQSRSPSVSPSKQPASAIStTvTLFEQYcNG GNPFEIQADSKDEETEDVLASNGYESDEQ
Human 483 EQSRSPSVSPSKQPvSTSSKTvTLFEQYCSG GNPFEIQANHKDEETEDVLASNGYESDEQ
Xenopus 490 GQSRSPSMSPSKQTSSAESAAVSLFEQYtNG GNPFEIQAAVKDDDEDVLAANGYESDEL
Mouse_FLJ20097_ 490 EQSRSPSVSPSKQPSATSSKPVTLFEQYCSG GNPFEIQADHKDEETEDVLASNGYESDEQ
consensus 541 eQSRSPSVSPSKQpsstSktVtLFEQYcsgGNPFEIQAdhKDeeTEDVLASNGYESDEq

Brown_Rat 550 EKSAyQeYDSDSDVPEELKRdYVDEQTDGVPVKSvSRETLKSRKkSDYSLNKvNAPILTN
Equus_caballus 550 EKSAyQeYDSDSDVPEELKRdYVDEQTDGAPVKSvSRETLKSRKkSDYSLNKvNAPILTN
Canis_familiari 597 EKSAyQeYDSDSDVPEELKRdYVDEQTDGAPVKSvSRETLKSRKkSDYSLNKvNAPILTN
Cow 550 EKSAyQeYDSDSDVPEELKRdFVDEQTDGAPVKSvSRETLKSRKkSDYSLNKvNAPILTN
Chicken_CCDC132 535 EKSAyQeYDSDSDVPEELKRdYVDEQTDGAPMKSvSRETLKSRKkSDYSLNKvNAPILTN
Human 543 EKSAyQeYDSDSDVPEELKRdYVDEQTDGpVKSvSRETLKSRKkSDYSLNKvNAPILTN
Xenopus 550 EKSAyQeYDSDSDVPEELKRdYiDEQTDGVPtKSvSRETLKSRKkSDYSLNKANAPILTN
Mouse_FLJ20097_ 550 EKSAyQeYDSDSDVPEELKRdYVDEQTDGVPVKSvSRETLKSRKkSDYSLNKvNAPILTN
consensus 601 EKSAyQeYDSDSDVPEELKRdyvDEQTDGAPvKSvSRETLkSRKkSDYSLNKvNAPILTN

Brown_Rat 610 TTLNViRLVGKYMqMMNiLkPIAFDVIHFMSQLFDYLYAIYtFFGRNDsLESTGLGLSS
Equus_caballus 610 TTLNViRLVGKYMqMMNiLkPIAFDVIHFMSQLFDYLYAIYtFFGRNDsLESTGLGLSS
Canis_familiari 657 TTLNViRLVGKYMqMMNiLkPIAFDVIHFMSQLFDYLYAIYtFFGRNDsLESTGLGLSS
Cow 610 TTLNViRLVGKYMqMMNiLkPIAFDVIHFMSQLFDYLYAIYtFFGRNDsLESTGLGLSS
Chicken_CCDC132 595 TTLNVVRLVGKYMqMMNiLkPIAFDVIHFMSQLFDYLYAVYtFFGRNDtFESTGLGLSS
Human 603 TTLNViRLVGKYMqMMNiLkPIAFDVIHFMSQLFDYLYAIYtFFGRNDsLESTGLGLSS
Xenopus 610 TTLNViRLVGKYMqMMTiLkPIAFDVIHcMSQLFDYLYAVYtFFGRNDAYESTGLGLSS
Mouse_FLJ20097_ 610 TTLNViRLVGKYMqMMNiLkPIAFDVIHFMSQLFDYLYAIYtFFGRNDsLESTGLGLSS
consensus 661 TTLNViRLVGKYMqMMniLkPIAFDVIHFMSQLFDYLYAIYtFFGRNDsLESTGLGLSS

Brown_Rat 670 SRLRtTLNRIQESLIDLEGSADPTATLTAAEERKEKVPSPHLNQLVILtSGDtlYGLAER
Equus_caballus 670 SRLRtTLNRIQESLIDLEvSADPTStLAAAeERKEKVPSPHLShLVVLTSGDtlYGLAER
Canis_familiari 717 SRLRtTLNRIQESLIDLEvSADPTATLTAAEERKEKVPSPHLShLVVLTSGDtlYGLAER
Cow 670 SRLRtTLNRIQESLIDLEvSADSAATLTAAEERKEKVPSPHLShLVVLTSGDtlYGLAER
Chicken_CCDC132 655 SRLRtTLNRIQESLIDLEvSADPTGTLTAAEERKEKVPSPHLShLVVLTSGSsLYGLAER
Human 663 SRLRtTLNRIQESLIDLEvSADPTATLTAAEERKEKVPSPHLShLVVLTSGDtlYGLAER
Xenopus 670 SRLRtTLNRIQESLIDMEvSGENAVSLVSSEERKEKVPSPHLShMVILtNSStLYGLSER
Mouse_FLJ20097_ 670 SRLKtTLNRIQESLIDLEGSADPTATLTAAEERKEKVPSPHLNQLVILtSGDtlYGLAER
consensus 721 SRLRtTLNRIQESLIDLEvSadptatLtaaEERKEKVPSPHLshLVVLTsgdtLYGLaER

Brown_Rat 730 VVATESLVFLAEQFEFLQpHLDAVMPAVKKPFLOQFYSQTVSTASELRKPIYWIVAGKAI
Equus_caballus 730 VVATESLVFLAEQFEFLQpHLDAVMPAVKKPFLOQFYSQTVSTASELRKPIYWIVAGKAI
Canis_familiari 777 VVATESLVFLAEQFEFLQpHLDAVMPAVKKPFLOQFYSQTVSTASELRKPIYWIVAGKAI
Cow 730 VVATESLVFLAEQFEFLQpHLDAVMPAVKKPFLOQFYSQTVSTASELRKPIYWIVAGKAI
Chicken_CCDC132 715 VVATESLVFLAEQFEFLQpHLDAVMPAAKKPFLOQFYSQTVSTANELRKPvYWIVAAKAI
Human 723 VVATESLVFLAEQFEFLQpHLDAVMPAVKKPFLOQFYSQTVSTASELRKPIYWIVAGKAI
Xenopus 730 VVATESLVFLAEQFEFLQThLDSVMPAAKKPFLOQFYSQTVSTASELRKPIYWIVAAKAI
Mouse_FLJ20097_ 730 VVATESLVFLAEQFEFLQpHLDAVMPAVKKPFLOQFYSQTVSTASELRKPIYWIVAGKAI
consensus 781 VVATESLVFLAEQFEFLQpHLDAVMPAvKKPFLOQFYSQTVSTAsELRKPIYWIVAGkAI

Brown_Rat 790 DYEQMLLLMTNVKWDVKEIMSQHNVYVDALLKEFEQFNKRRLNEVSKRVRIPLPVSNIWE
Equus_caballus 790 DYEQMLLLMANVKWDVKEIMSQHNIYVDALLKEFEQFNRRRLNEVSKRVWIPLPVSNIWE
Canis_familiari 837 DYEQMLLLMANVKWDVKEIMSQHNIYVDALLKEFEQFNRRRLNEVSKRVRIPLPVSNIWE
Cow 790 DYEQMLLLMANVKWDVKEIMSQHNIYVDTLLKEFEQFNMRRLNEVSKRVRIPLPVSNIWE
Chicken_CCDC132 775 DYEQMLLLMANVKWDVKEIMSQHNVYVDSLLEKEFEQFNRRRLNEVSKRVRIPLPVSNIWE
Human 783 DYEQMLLLMANVKWDVKEIMSQHNIYVDALLKEFEQFNRRRLNEVSKRVRIPLPVSNIWE
Xenopus 790 DYEQLLLLMANVKWDVKEIMSQHNIYVDALLKEFEQFNKKLSELSKHVRIPLPVSNIWE
Mouse_FLJ20097_ 790 DYEQMLLLMMNVKWDVKEIMSQHNIYVDALLKEFEQFNKRRLNEVSKRVRIPLPVSNIWE
consensus 841 DYEQmLLLMaNVKWDVKEIMSQHNIYVDAllLKEFEqFNrrLnEvSKrVrIPLpVSNILWE

Brown_Rat 850 HCIRLANRTIVEGYANVKKCSNEGRALMQLDFQQFLMKLEKLTDIRPIPDKEFVEIYIKA
Equus_caballus 850 HCIRLANRTIVEGYANVKKCSNEGRALMQLDFQQFLMKLEKLTDIRPIPDKEFVETIYIKA
Canis_familiari 897 HCIRLANRTIVEGYANVKKCSNEGRALMQLDFQQFLMKLEKLTDIRPIPDKEFVETIYIKA
Cow 850 HCIRLANRTIVEGYANVKKCSNEGRALMQLDFQQFLMKLEKLTDIRPIPDKEFVETIYIKA
Chicken_CCDC132 835 HCMRLANRTLVEGYANVKKCSNEGRALMQLDFQQFLMKLEKLTDIRPIPDKEFVETIYIKA
Human 843 HCIRLANRTIVEGYANVKKCSNEGRALMQLDFQQFLMKLEKLTDIRPIPDKEFVETIYIKA
Xenopus 850 HCIRLANRTLVEGYANVKKCSNEGRALMQLDYQQFLMKLEKLTDIRPIPDKEFVETIYIKA
Mouse_FLJ20097_ 850 HCIRLANRTIVEGYANVKKCSNEGRALMQLDFQQFLMKLEKLTDIRPIPDKEFVETIYIKA
consensus 901 HcIRLANRTiVEGYANVKKCSNEGRALMQLDfQQFLMKLEKLTDIRPIPDKEFVETIYIKA

Brown_Rat 910 YYLTENDMERWIKHREYSTKQLTNLVNVLGSHINKKARQKLLAAIDDIDRPKRESDEQ
Equus_caballus 910 YYLTENDMERWIKHREYSTKQLTNLVNVLGSHINKKARQKLLAAIDDIDRPKRESDEQ
Canis_familiari 957 YYLTENDMERWIKHREYSTKQLTNLVNVLGSHINKKARQKLLAAIDDIDRPKRESDEQ
Cow 910 YYLTENDMERWIKHREYSTKQLTNLVNVLGSHINKKARQKLLSAIDDIDRPKRESDEQ
Chicken_CCDC132 895 YYLTENDMERWIKHREYSTKHLTNLVNVLGSHINKKARQKLLAAIDDIDRPKRESDEQ
Human 903 YYLTENDMERWIKHREYSTKQLTNLVNVLGSHINKKARQKLLAAIDDIDRPKRESDEQ
Xenopus 910 YYLTENDMERWIKHREYSTKQLTNLVNVLGSHINKKARQKLLAAIDDIDRPKRESDEL
Mouse_FLJ20097_ 910 YYLTENDMERWIKHREYSTKQLTNLVNVLGSHINKKARQKLLAAIDEIDRPKRESDEQ
consensus 961 YYLTENDMERWIKHREYSTKqLTNLVNVLGSHINKKARQKLLaAIDDiDRPKRESDEq

Brown_Rat 550 EKSAYQDYDSDSVPEELKRDYVDEQTDGVPVKSVSRETLSRKKS DYSLNKVNAPILTN
Equus_caballus 550 EKSAYQDYDSDSVPEELKRDYVDEQTDGAPVKSVSRETLSRKKS DYSLNKVNAPILTN
Canis_familiari 597 EKSAYQDYDSDSVPEELKRDYVDEQTDGAPVKSVSRETLSRKKS DYSLNKVNAPILTN
Cow 550 EKSAYQDYDSDSVPEELKRDYVDEQTDGAPVKSVSRETLSRKKS DYSLNKVNAPILTN
Chicken_CCDC132 535 EKSAYQDYDSDSVPEELKRDYVDEQTDGAPMKSVSRETLSRKKS DYSLNKGNAPILTN
Human 543 EKSAYQDYDSDSVPEELKRDYVDEQTDGDPVKSVSRETLSRKKS DYSLNKVNAPILTN
Xenopus 550 EKSAYQDYDSDSVPEELKRDYIDEQTDGVPVKSVSRETLSRKKS DYSLNKANAPILTN
Mouse_FLJ20097_ 550 EKSAYQDYDSDSVPEELKRDYVDEQTDGVPVKSVSRETLSRKKS DYSLNKVNAPILTN
consensus 601 EKSAYQeYDSDSVPEELKRDyVDEQTDGaPvKSVSRETlKsRKKS DYSLNKvNAPILTN

Brown_Rat 610 TTLNVIIRLVGKYMOMMNIILKPIAFDVIHFMSQLFDYLYAIYTFFGRND SLESTGLGLSS
Equus_caballus 610 TTLNVIIRLVGKYMOMMNIILKPIAFDVIHFMSQLFDYLYAIYTFFGRND SLESTGLGLSS
Canis_familiari 657 TTLNVIIRLVGKYMOMMNIILKPIAFDVIHFMSQLFDYLYAIYTFFGRND SLESTGLGLSS
Cow 610 TTLNVIIRLVGKYMOMMNIILKPIAFDVIHFMSQLFDYLYAIYTFFGRND SLESTGLGLSS
Chicken_CCDC132 595 TTLNVIRLVGKYMOMMNIILKPIAFDVIHFMSQLFDYLYAVYTFFGRND TFESTGLGLSS
Human 603 TTLNVIIRLVGKYMOMMNIILKPIAFDVIHFMSQLFDYLYAIYTFFGRND SLESTGLGLSS
Xenopus 610 TTLNVIIRLVGKYMOMMTIILKPIAFDVIHfMSQLFDYLYAVYTFFGRND DAYESTGLGLSS
Mouse_FLJ20097_ 610 TTLNVIIRLVGKYMOMMNIILKPIAFDVIHFMSQLFDYLYAIYTFFGRND SLESTGLGLSS
consensus 661 TTLNViIRLVGKYMOMMnILKPIAFDVIHfMSQLFDYLYAIyTFFGRNDsLESTGLGLSS

Brown_Rat 670 SRLRRTTLNRIQESLIDLEGSADPTATLTAAEERKEKVPSPHLNQLVILTS GDTLYGLAER
Equus_caballus 670 SRLRRTTLNRIQESLIDLEVSADPTSTLAAA EERKEKVPSPHLSHLVVLTS GDTLYGLAER
Canis_familiari 717 SRLRRTTLNRIQESLIDLEVSADPTATLTAAEERKEKVPSPHLSHLVVLTS GDTLYGLAER
Cow 670 SRLRRTTLNRIQESLIDLEVSADSAATLTAAEERKEKVPSPHLSHLVVLTS GDTLYGLAER
Chicken_CCDC132 655 SRLRRTTLNRIQESLIDLEVSADPTGTLTAAEERKEKVPSPHLSHLVVLTS GSSLYGLAER
Human 663 SRLRRTTLNRIQESLIDLEVSADPTATLTAAEERKEKVPSPHLSHLVVLTS GDTLYGLAER
Xenopus 670 SRLRRTTLNRIQESLIDMEVSGENAVSLVSSEERKEKVPSPHLSHMVILTS NSTLYGLSER
Mouse_FLJ20097_ 670 SRLKRTTLNRIQESLIDLEGSADPTATLTAAEERKEKVPSPHLNQLVILTS GDTLYGLAER
consensus 721 SRLrTTLNRIQESLIDLEvSadptatLtaaEERKEKVPSPHLSHLVvLTsgdtLYGLaER

Brown_Rat 730 VVATESLVFLAEQFEFLQP HLD AVMPAVKKPFLOQFYSQTVSTASELRKPIYWIVAGKAI
Equus_caballus 730 VVATESLVFLAEQFEFLQP HLD AVMPAVKKPFLOQFYSQTVSTASELRKPIYWIVAGKAI
Canis_familiari 777 VVATESLVFLAEQFEFLQP HLD AVMPAVKKPFLOQFYSQTVSTASELRKPIYWIVAGKAI
Cow 730 VVATESLVFLAEQFEFLQP HLD AVMPAVKKPFLOQFYSQTVSTASELRKPIYWIVAGKAI
Chicken_CCDC132 715 VVATESLVFLAEQFEFLQP HLD AVMPAAKKPFLOQFYSQTVSTANELRKP VYWIVA AKAI
Human 723 VVATESLVFLAEQFEFLQP HLD AVMPAVKKPFLOQFYSQTVSTASELRKPIYWIVAGKAI
Xenopus 730 VVATESLVFLAEQFEFLQT HLD SVMPAAKKPFLOQFYSQTVSTASELRKPIYWIVA AKAI
Mouse_FLJ20097_ 730 VVATESLVFLAEQFEFLQP HLD AVMPAVKKPFLOQFYSQTVSTASELRKPIYWIVAGKAI
consensus 781 VVATESLVFLAEQFEFLQpHLDAVMPAvKKPFLOQFYSQTVSTAsELRkPiYWIVAgKAI