

gi|27262661|ref|NP_000748.3|-----MTAPG---AAGRCPP---TTWLSGLLLLVCLLASRSITEEVSEYCSHMIGSGHLSLQRLRLDSQMETSCQITFEFVDOEQLKDPVCYLKKAFFLVODIMEDTMRFRDNTPNATAIVLOQLSLRLKSCFTKDYEBHDKA 133
 gi|114559105|ref|XP_513655.2|-----MGITGESETWGEMLPSLSQFWLGSLLLLVCLLASRSITEEVSEYCSHMIGSGHLSLQRLRLDSQMETSCQITFEFVDOEQLKDPVCYLKKAFFLVODIMEDTMRFRDNTPNATAIVLOQLSLRLKSCFTKDYEBHDKA 139
 gi|73959921|ref|XP_854600.1|MGQVRLDSGAEMSVGLQKKEPSWLSPLRLPFWLPLLLLVCLLASRSITEEVSEYCSHMIGSGHLSLQRLRLDSQMETSCQITFEFVDOEQLKDPVCYLKKAFFLVODIMEDTMRFRDNTPNANVIVLQQLSLRLKSCFTKDYEBQDKA 150
 gi|27806679|ref|NP_776451.1|-----MTARGAAGRCF---PTTWLGPLLLLACLIVSNGATTEEVSEYCSHMIGSGHLSLQRLRLDSQMETSCQITFEFVDOEQLKDPVCYLKKAFFLVODIMEDTMRFRDNTPNARVIVLQQLSLRLKSCFTMDYEDDKA 133
 gi|75677416|ref|NP_031804.2|-----MTARGAAGRCF---SSTWLSRLLLVCLLMSRSIAKEVSEHCSHMIGNHLLKVLQQLLDSQMETSCQITFEFVDOEQLDDPVCYLKKAFFLVODIIDEIMRFRDNTPNANATERLOQLSNLNLKSCFTKDYEBONKA 133
 gi|50054384|ref|NP_076471.3|-----MTARGAAGRCF---SSTWMSRLLLVCLLVSRVA-EVSEHCSHMIGNHLLQILQQLDSQMETACLTIEVKFVDOEQLDDPVCYLKKAFFLVODIIEETMRFRDNTPNANATERLOQLSMKLNKSCFTKDYEBONKA 132



gi|27262661|ref|NP_000748.3|CVRTFYETPLQLLEKVKVNFNETKNLLDKDWNIFSKNCNNSFAECSSQDVVTKPCNCLYPKAIPSSDPAVSVPHOPLAPSMAPVAGLTWEDSEGTEGSSLLPGEQPLHTVD--PGSAKQRPPrSTCOSFEPPEPTPVVKDSTIGGSPQPR 281
 gi|114559105|ref|XP_513655.2|CVRTFYETPLQLLEKVKVNFNETKNLLDKDWNIFSKNCNNSFAECSSQDVVTKPCNCLYPKAIPSSDPAVSVPHOPLAPSMAPVAGLTWEDSEGTEGSSLLPGEQPLHTVD--PGSAKQRPPrSTCOSFEPPEPTPVVKDSTIGGSPQPR 287
 gi|73959921|ref|XP_854600.1|CVRTFYETPLQLLEKIKVNFNETKNLLKDDWNIFSKNCNNSFAKCSQDVVTKPCNCLYPTATPSSDLASVSPQPLAPSMAPMAGLTWADSEGTEGSSLLPGEQPLRTVLDPSAKQRPPrSTCOSFDPSPPEPVEASPADSLQAL 300
 gi|27806679|ref|NP_776451.1|CVRTFHETPLQLLEKIKVNFNETKNLLKDDWNIFSKNCNNSFAKCSQDVVTKPCNCLYPKATPSSDLASVSPQSPPTAPMAGLTWADSEADGSSLLPGEQALRTVD--PGSAKQRPPrSTCOSFESPEPTPRVEGRPTGDSLPQPG 281
 gi|75677416|ref|NP_031804.2|CVRTFHETPLQLLEKIKVNFNETKNLLKDDWNIFSKNCNNSFAKCSQDVVTKPCNCLYPKATPSSDPAVSVPHOPLAPSMAPLAGLAWDDSORTEGSSLLPSELPLRIED--PGSAKQRPPrSTCOTLESTEQPNHGDRLL--EDSQPH 280
 gi|50054384|ref|NP_076471.3|CVQTYKESPLRLEKIKVNFNETKNFLKDDWNIFSKNCNNSLAKCSQDVVTKPCNCLYPKATPSSDLASVSPHOPLAPSMAPLADLAWDDSORTEGSSLLPSELPLRIED--PGSAKQRPPrSTCOTLESTEQPNH-----EDQPH 274



gi|27262661|ref|NP_000748.3|PSVGAFFNPGMEDILD SAMGTNWVPEEASGEASEIPVPGTFLSPSRPGGSGMOTEP-ARPSNFLSASSPLPASAKGQOPADVTGTALPRVGPVPTGQDWNHFPKTDHPSALLRDPPEPGSPRISLRPQGLSNPSTLSAQPOLSRSHS 430
 gi|114559105|ref|XP_513655.2|PS-GAFNPGMEDILD SAMGTNWVPEEASGEASEIPVPGTFLSPSRPGGSGMOTEP-ARPSNFLSASSPLPASAKGQOPADVTG----- 369
 gi|73959921|ref|XP_854600.1|PSVRAFPVPMEDVLD SALTGNWVLEEASGEASEPAPQGAELSPSRLLGGGRQAQTARPGDLSASFLLSYAGGRPGDVPGLPPTAGPARPAGPAQSRTPERTERPSAAPGDHOKPGPARTPPRPPRGLSSPAARSEOPGLPRLRLS 450
 gi|27806679|ref|NP_776451.1|PSVGAFFVTGMEDVLD SLLGANIALAEEGSGEASEGPIPOGGELSFYSLGGRSVQAEP-ASPSHTPPASSALSGSGKGLRLVDATSAHLPTLGPMPRT-EAWSHTPEKTERPSASPRDPOEPDMAKTPALHPQGLSNPSALSQQPLRSHS 429
 gi|75677416|ref|NP_031804.2|PSAGGFVPGVEDILESSMGTNWVLEEASGEASEGFLTQERKFSPTFVGGSIQAEI-DRPW-ALAS-PPFKSTEDKPFVDITDRPLTEVNPMPRIGCTQNNPEKTDGTSILREDDQEPGSPHIAIPNQRVNSATFVAQLLPEKSHS 427
 gi|50054384|ref|NP_076471.3|PSAGAPIPGVEDIIESSMGTNWVLEEASGEASEGFLTQERKFSPTFVGGSIQAEI-DRPW-ARAS-PPFKLTEDQCPNINIDTPLTEVNPMPRIGCTQNNPEKTDGTSILREDDQEPSPHIAIPNQRVNSATFVAQLLPEKSHS 422



gi|27262661|ref|NP_000748.3|SGSVLPLGELGRRSTRDRRSPAEEGG-----PASEGAARPLPRFNSVPLTDIGHEROSEGS SPOLQESVFHLLVPSVILVLLAVGGLLFYRWRRRSHQEPORADSPLEQPEGSPLTQD-DRQVELP 553
 gi|114559105|ref|XP_513655.2|-----HEROSEGS SPOLQESVFHLLVPSVILVLLAVGGLLFYRWRRRSHQEPORADSPLEQPEGSPLTQD-DRQVELP 442
 gi|73959921|ref|XP_854600.1|WGRALPLGQDVEGRRSTRGRRSPAEEGG-----QASEGAGALAHNSAIPLDTAGHEKQEGSPGOLPRFAFRLLVPSVILVLLAVGGLLFYRWRRRSHREPOAADSPVEQPEGSPLTQDEERQVELP 574
 gi|27806679|ref|NP_776451.1|WGHVLSLGELEGRRSTRDRRSLAELKGG-----QASEGAARPPARFNSVPLTDIGHEROKEASDPOLPGFVFRLLVPSIILVLLAVGGLLFYRWRRRSHQEPOMVDSPEMEQPEGSPLLTQEDRQVELP 553
 gi|75677416|ref|NP_031804.2|WGIVLPLGELEGRSTRDRRSPAEEGG-----SASEGAARPVARFNSIPLTDIGHVEQHEGSSDPOIPESVFHLLVPGIILVLLTVGGLLFYKWKWRSHRNPTLDSVGRPEDSLQEDRQVELP 551
 gi|50054384|ref|NP_076471.3|WGIVLPLGELEGKSTRDRRSPAELKGGPASEGAARVAQSTRDRRSPAELKGGPASEGAARPVARFNSIPLTDIGHESIQ-----DPQI--SAFVFWLGIILVLLAVGGLLFYRWRRRSHRDRPTLDSVGRPEGSLAQEDRQVELP 565



gi|27262661|ref|NP_000748.3|V 554
 gi|114559105|ref|XP_513655.2|V 443
 gi|73959921|ref|XP_854600.1|V 575
 gi|27806679|ref|NP_776451.1|V 554
 gi|75677416|ref|NP_031804.2|V 552
 gi|50054384|ref|NP_076471.3|V 566