

QPLIYWLFFSMYLVTVWGNLIIILATVLDRLHHTAMYFFLCNLSFVDICLISTTIPKMLANVHL...NHKAITYEGCIMQIYFTLFVGLDNFLLAVMAYDRFAICHPLRYTSI  
 .....LLMCNLCFADICFTSASIPTNLVNIQT...KNKVITYEGCISQVYFFILFGVLDFNLLAVMAYDRVAICHPLHYTVI75  
 QPLIYGLFLSMYLVTVIGNISIVAIISDPCLHTPMYFFLSNLSFVDICFISTTVPKMLVNIQT...QNNVITYAGCITQIYFFLLFVELDNFLLTIMAYDRVAICHPMHYTVI135  
 HFLIFALFLSMYLVTVLGNLIIIMAIITQSHLHTPMYFFLANLSFVDICFTSTTIPKMLVNIYT...QSKSITYEDCISQMCVFLVFAELGNFLLAVMAYDRVAXCHPLCYTVI136  
 .MYLFFSNLSFNDICIITTIPIKMLMNVQS...HDQSITYLGCLSQVYLIVNGSIESCLLAIVMAYDRVAICHPLKYTVI77  
 .PFS.GLFLSMYLVTVLGNLIIILAVSSNSHLHNLMYFFLSNLSFVDICFISTTIPKMLVNIHS...QTKDISYIECLSQVYFLTFGGMDNFLLTLMACDRYVAICHPLNYTVI116  
 QPFLFGLFLSMYLVTMLGNLIIILAVSSNSQLHNPMYFFLSNLSFVDICFISTTVPKMLVNMQS...QTKDISYIECLTQVYFFNTVGMDDVLLTMAYDCFVAICNPLKYTI  
 QHFLFYALFLVMYLTILGNLIIIVLVQLDSQLHTPMYFLSNLSFSDLCFSSVTMPKLLQNMR...QDTSPYGGCLAQTYFFMVFGDMESFLLVAMAYDRVAICFPLHYTSI133  
 QQLFFALFLIMYLTTFLGNLIIIVLVQLDSHLHTPMYFLSNLSFSDLCFSSVTMLKLLQNIS...QVPSISYAGCLTQIFFLFGYLNFLVAMAYDRVAICFPLHYTN  
 HLLFYALFLAMYLTTILGNLIIIVLVRLDLHMPMYFLSNLSFSDLCFSSVTMPKLLQNMQS...QVPSISYTGCLTQLYFFMVFGDMESFLLVVMAYDRVAICFPLRYTTI135  
 QHFLFYALFLAMYLTTLLGNLIIIIILLLDSHLHTPMYFLSNLSFADLCFSSVTMPKLLQNMQS...QVPSIPYAGCLAQIYFFLFGDLGNFLLVAMAYDRVAICFPLHYMSI  
 QHVFLYALFLSMYLTTVLGNLIIIIILLLDSHLHTPMYFLSNLSFSDLCFSSVTMPKLLQNMQS...QVPSIPYAGCLSQIYFFLFGDLGNFLLVAMAYDRVAICFPLHYMSI  
 QHVFLYALFLSMYLTTVLGNLIIIIILIHLDSHLHTPMYFLSNLSFSDLCFSSVTMPKLLQNMQS...QVPSIPFAGCLTQLYFYLYFADLESFLLVAMAYDRVAICFPLHYMSI  
 QQLLFLFLIMYLATVLGNLIIILAIGTDSRLHTPMYFFLSNLSFVDVCFSSTTVPKVLANHIL...GSQAISFSGCLTQLYFLAVFGNMDNFLLAVMSYDRFAICHPLHYTTK135  
 RIGLFLFLVMYLLTVVGNLAIISLVAHRCQLTPMYFFLCNLSFLEIWFTTACVPKTLATFAP...RGGVISLAGCATQMVFVSLGCTEYFLLAVMAYDRVIAICLPLRYGGI138  
 RVLLFFSLLAYVLVLTENMIIIAIRNHPTLHKPMYFFLANMSFLEIWYVTIIPKMLAGFIGSKENHGQLISFEACMTQLYFLGLGCTECVLLAVMAYDRVAICHPLHYPVI140  
 RLILYAVFGFGAVLAVCGNLLVMTSILHFRQLHSPANFLVASLACADLLVGLTVMPFSMVRSE...CWYFGDSYCKLHSCFDISFCSSLLHLCFISVDRHIAVSDPLIYPTR  
 RLILYAVFGFGAVLAVCGNLLVMTSILHFRQLHSPANFLVASLACADLLVGLTVMPFSMVRSE...CWYFGDSYCKLHTSFDMSCCSSLLHLCFISVDRHIAVSDPLIYPTR  
 RLILYAVFGFGAVLAVCGNLLVMTSILHFRQLHSPANFLVASLACADFLVGLTVMPFSMVRSE...CWYFGDTYCKLHTCFDVSFCYCSLFCFISVDRHIAVSDPLIYPTR  
 RLILHAVFGFSAVLAVCGNLLVMTSILHFRQLHSPANFLVASLACADLLVGLTVMPFSMVRSE...CWYFGDIYCKFHSSFDVSFCYSSIFHLCFISVDRHIAVSDPLIYLTR  
 RLILYAVFGFGAVLAVCGNLLVMTSILHFRQLHSPANFLVASLACADFLVGLTVMPFSMVRSE...CWYFGDIYCKFHSSFDGSFCYSSIFHLCFISADRYHIAVSDPLIYPTR  
 RLILYAVFGFGAVLAVCGNLLVMTSILHFRQLHSPANFLVASLACADFLVGLTVMPFSTVRSVE...CWYFGDTYCKFHSCFEGSFCYSSIFHLCFISVDRHIAVSDPLIYPTR  
 RVLLYMVFGFGAVLAVCGNLLVVISVLHFKQLHSPANFLIASLASADFLVGISVMPFSMVR...CWYFGDTFCSLHSCCDVAFYCSALAHLCFISVDRHIAVTDPLVYPTK142  
 RVLLYMVFGFGAVLAVCGNLLVVISVLHFKQLHSPANFLIASLASADFLVGISVMPFSMVR...CWYFGDTFCSLHSCCDAAFCYSSLFLHLCFISVDRHIAVTEPLVYPTK  
 RVLLYMVFGFGAVLAVCGNLLVVISVLHFKQLHSPANFLIASLASADFLVGISVMPFSMVR...CWYFGDTFCSLHSCCDAAFCYSSLFLHLCFISVDRHIAVTDPLVYPTK  
 RVLLYAVFGFGAVLAVFGNLLVMISILHFKQLHSPANFLIASLASADFWVGVSVMPFSMVR...CWYFGRSFCTFHCTCDVAFCYSSLFLHSFISIDRHYIAVTDPLVYPTK143  
 RVLIYLAACAVGMLITVLGNLFVVFAVSYFKVLHTPTNFIILSLALADMILLVPLSTVRSVES...CWFFGDFLCLRLHTYLDLTFCLTSIFHLCFISIDRHCACIDPLLYPSK  
 RNTFFTEIGIGILANSFLLFHIFKFIRGQRSR.LTDLPIGLLSLHLLMMLMGAFIAIDFIS...WRGWDDICKFLVLYRSFRGLSLCTTCMLSVLQAITLSPRSSCLAK139  
 RNTFFAEIGIGIGVSANSLLLNFNIFKLICGQRSR.LTDLPIGLLSLINLLMLMTAFIATDTFIS...WRGWDDICKSLLYLYRTFRGLSLCTSLLSVLQAIILSPRSSCLAK  
 QAIFFSEVVIGISFNSILFLFHIFQFLERRRLR.ITDLIISLALIHLGMLTVMGFRAVDIFAS...QNVWNDIKCKSLAHLHRLRGSLCATCLLSIFQAITLSPRSSCLAK  
 KITLFSELSVGISANSILFFAHLCMFFENRSK.PIDLCLIAFLSLTQLMLLVTMGLIAADMFM...QGIWDITTCSRSLIYFHRLLRGFNLCAACLLHILWTFTLSPRSSCLTK  
 MADFEDRVSDEEKVRIAALKFITAPPGEFNEVFNDRLLINNDNLLREGAAHAFQYNMDQFTP...VKIEGYDDQVVLITEHGDGLNSRFLDPRNKISFKFDHLRK103

- non-conserved
- ≥ 50% conserved