>OsXTH01

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>OsXTH02

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>OsXTH03

MASLAVVVVVVAVVCAAGVAAAGKFDDVVEPSWANDHVVYEGDLLKLRLDSSSGGGFASKSKFLYGKATADLKLVAGDSAGVVTAFYLSSGGDKHNEFDFEFLGNVTGEPYLVQTNLYIDGVGNREQRIDLWFDPTADFHTYAVLWNPSQVVFLVDDTPIRVYENKNATAAVKGHHRHAAAANGTSNATSAAASVPPFPSPQPMSVYSSIWNADDWATQGGRVKTDWSHAPFVATFRDVRVEGCAWAANATDSDAGEVARCTGSSWGKEGRYWWKEKDMEELTVHQNHQLVWARAHHLVYDYCVDTDRFPVQPPECAGR

>OsXTH04

MGQARAHLLASLWAFYLILAISMVTGDLTNDLDILWGNSKVFYDNSGKQTISLTLDRWTTSAFRSKSTYLFSRIDMDIKLVAGDSAGTVTTLYVSGQGMNRLLILVDDKLIRQIKNNLMYSVPYPTYQPMRVYGSIWNADDWATMGGRVKTDWSQAPFTAYFRNYRAIACPPQQSSPLCGQSSGNWFNQELDVTRKQQLQEVDANYKIYDYCTDTKRFKDNLPKECTIN

>OsXTH05

MGRLANWLDDRTSKSTPDYRIQAGSFLLKLWFRPIFIIFFMPTSSCQPMMSSSYTFQESKHTPQSAYSLRHFALAKAMGQPRAQLLPSMSMAALYLILATSPVISDMTDSLDMLWGNTQVLYDSTGHQIVSLSLDRWTTSAFRSKTKYLFARIDMDIKLVAKDSAGTVTTLYMITEGLWDIHDEIDLEFLGNTTGEPYTLHTNIYARGTGGREKQYRLWFDPTEDFHTYTIIWNPQMILILVDGTPIRQMKNQLRNDIPFPLYQPMRLYASIWDADDWATQGGRIKTDWSQAPFTAFFRNYQANACIPYKTAWICSQGSNDSSWFTQDLDEEGKQKLKDVDDNYKIYDYCTDSRRYPNGYPPECGSQ

>OsXTH06

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>OsXTH07

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>OsXTH08

MAMPCSGERCRRVWWSAAAAVVAFFFVVFVAAAAAAATASMYDDVEVVWGGDHSFFFMDGDGDALALCLDETHGSGFRSRDAYLYARFDVDMMLVANNSAGTVTTLYLMPDDVPWEYHDEVDLEFLGNVTGEPYTLHTNIFANGVGGREQQFRLWFDPTADFHTYSIVWNPKHIIILVDGVPIRDYRNTAARGGPAFPTWQKMRAHGSLWNADDWATQGGRVKTDWSEAPFFAYYRGLRVTPCAPSPGVAWCGDEPPESPWFDQQEMDAAALSKARQEHLLYDYCEDTKRFKDTGLPVECTIN

>OsXTH09

MGFGSREMACALVALVLGLCCVGGARATGRIDEGLEVMWGDGRGSVSPDGQVMALSLDHTSGSGWRSKNTYLFARVDLQIKLVANNSAGTVTTCYFMSEGEWDIHDEVDLEFLGNVTGQPYTLHTNVFANGTGGKEQQFHLWFDPTTDFHTYSIVWTSQHILVLVDGTPIREMKNHADKGIAYPSSQRMRLYGSLWNADDWATQGGRVKTDWSQAPFVARYRNFTATEAASSSSPAGYDQQMDATAQQAMKWARDNYMVYDYCADSKRFPQGFPPECSMP

>OsXTH10

MAALLVVVLVAMSAMVATANFNQEFDITWGDGRGKILEDGQLLTLTLDRTSGSGFQSKHEYLYGKIDMQLKLVPGNSAGTVTAYYLSSQGPTHDEIDFEFLGNVTGEPYTLHTNVFTQGQGQREMQFRLWYDPTKDFHTYSILWNPKHIIFMVDDMPIRDFRNLEGKGIAFPKNQPMRLYSSLWNADDWATQGGRVKTDWTHAPFSASYRGFRADACVVAAGGRTRCGATVGTDAAPGTGAAAAAGGWYNQELDLTRQQRMRWVQSKYMIYNYCTDPKRFPQGVPAECSM

>OsXTH11

MRTVALGIVAMACLVAIAHGGNFFQDAEVSWGQGRGKIVDGGRGLDLTLDRSSGSGFQSKSEYLFGKIDMQIKLVPGNSAGTVTTFYLSSQGSTHDEIDFEFLGNVTGEPYTLHTNVFTQGQGQREQQFRLWFDPTQSFHTYSIIWNPQHVIFAVDGTPIRDFKNHEARGVAFPKSQPMRVYASLWNADDWATQGGRVKADWSKAPFVASFRDFNADACVWSNGAQRCPVGTMETVAAPAGGRRGGAGGWWNQELSDMSYRRMRWVQRKFMIYNYCTDAKRFPQGTPAECKLR

>OsXTH12

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>OsXTH13

MAAKLQGGGGGAAVMAVVVVAMVAGAASGGNFYEECDATWEPQNCWSSDNGKSLSLALVSNSSGSMIRSKRQFVYGSVSTSVQLVPGNSAGTVTTFYTSSLGDKHDEIDFEFLGNETGQPYTIHTNVYANGVGDKEMQFKPWFDPTDGSHNYTISWTPCRIVWYIDGMPIRVFRNYQSSNGVAFPTWQPMYAYSSIWAAEDWATQKGRVKTDWSKAPFVANYHGIDLDVCECYGGDCVYGCAAAFNQGGGCAGQQLTGDEMGQMKWVQDNFRIYDYCVDYKRFNGQMAPECSLPQY

>OsXTH14

MGRLSLLLVVFTAAAAVVGLAGASFRDECDIPWEPQNARFTDDGNGLSLSLVSNYSGCMLRTKKQFIFGSVSTLIQLVPGNSAGTVTTYYTSSVGDNHDEIDFEFLGNETGQPYTIHTNIYANGVGDKEMQFKPWFNPTDGYHNYTVSWTACMIVWYIDGTPIRVFRNYEKSNGVAFPMKRPMYGYSSIWAAEDWATQGGRVKADWSKAPFVANYHGLNINVCECSTTSGGGNSCAAKCASTYNSKSSVCQLSDSELARMRKVQDEYRIYNYCVDPKRYNGSVPVECSLPQ

>OsXTH15

MAKALLAVVVVAVAAVLELGLVGANFQDQCDITWEPQNAKMTEGGDHLTLSLVSNSSGCMLRTKKQFIYGSVSTRIQLVKGNSAGTVTTYYTSSIGDKHDEIDFEFLGNSSGLPYTFHTNVFADGVGSREMQFRPWFDPTDGYHNYTIFWNPCMIVSHWTDDSIERHKYFCFRWFVDSIPIRVFRNHEKEGVPFPTKRPMYAFSSIWAAEDWATQGGRVKTDWTKAPFVAEYRDIGLNICECPGSGSGSSSSFSSSSSSTSGDAEDPACAQRCATSDHWYAAEGLCQLSDKQLRQMKAVQLGYTIYDYCADAQAKGRPVPPECSMPQY

>OsXTH16

MARPLGQQQVGAAAALVIVVACCVVAGCSGARGRGFREEFDVIWGEDHVRVTDEDDAATRQVVALTLDQASGSGFQSKDQFLFGEFSMEMKLVPGESPGTVATFYLTSEGDAHDEIDFEFLGNVSGEPYVMHTNVFAQGRGNREQQFYLWFDPTADFHNYTILWNPLNIIFSVDGKAVRVFKNHEAAGVPYPSGQAMRVHASLWNGDFWATRGGQVKINWTAAPFVASYRTYAYSACAVPAAGGGGGGPCTSGQLPNSTSSPSTCDCGGAWMDRQLGADGERDVAWARANYMIYDYCGDQWRFPQGLPAECSLDQSSGHRT

>OsXTH17

MAKHLALSVAAAVAVSWLAASSAAAAGFYEKFDVVGAGDHVRVVSDDGKTQQVALTLDRSSGSGFTSKDTYLFGEFSVQMKLVGGNSAGTVTSFYLSSGEGDGHDEIDIEFMGNLSGNPYVMNTNVWANGDGKKEHQFYLWFDPTADFHTYKIIWNPQNIIFQVDDVPVRTFKKYDDLAYPQSKPMRLHATLWDGSYWATRHGDVKIDWSGAPFVVSYRGYSTNACVNNNPAGGWSSSWCPEGTSAWIHRELDGAELGTVAWAERNYMSYNYCADGWRFPQGFPAECYRK

>OsXTH18

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>OsXTH19

MEQKPPAVAANNNQLLLMMIMVVVACSNYMISGAGAQPSPGYYPSKTIRSMAFGEGYDNLWGGQHQTLSADQTALTVWMDRSSGSGFKSKRSYRNGYFGASIKVPSGYTAGVNTAFYLSNNELYPGQHDEIDIELLGTVPGEPWTLQTNVYVHGTGDGAIIGREMRFHLWFDPTADFHHYAILWNPDHIVFLVDDVPVRRYPRAAGNTFPDRQMWAYGSIWDASDWATDGGRYKSDYRYQPFVSRYRDLKIAGCEAAAPASCQPVPASPSGATGELSAQQKAAMRWAQQRSMVYYYCQDYSRNHANYPEC

>OsXTH20

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>OsXTH21

MAASAAAPATVAGLLVAVAAIMAASPAGAQPSPGYYPSSVHRAMAFSRDYTNKWGPQHQTLSADQSSLTIWLDKTCGSGFKSRKSYRNGYFAARVKLPAGYTAGTNTAFYLSNNEAHPGFHDEIDMEFLGTIPGEPYTLQTNVYVRGSGDGRIVGREMRFHLWFDPTADFHHYAILWNPDAITFFVDDVPIRRYERKSELTFPDRPMWVYGSIWDASDWATDDGRHRADYRYQPFVARFDRFTVAGCAPSAPASCRPVPASPAGAGLTPRQYAAMRWAQQSHMVYYYCQDYRRDHSLTPEC

>OsXTH22

MAIIGRRQQQGVAAAAATLVALMAVVVAAAAEAQPSPGVYPSRMFRAREFGRDFRSLWGAEHQQQEAAAPETGVTVWLDRRSGSGFKSRRAYRSGYFGAWVRLQRGYTAGVITAFYLSNGEAHPGWHDEVDMEFLGTTPGKPYTLQTNVFSLGSGDPPRSLGREIKFHLWFDPTADFHHYAILWTSDHIIFLVDDVPIRRYGRRSAGGAAGFPARPMWVYGSIWDASSWATEDGRYRADYSYQPFVARFSAFLLRGCSPHAPRTCAAPVAGDLTAAQLAAMRWAQRFHMVYNYCYDPKRDHSLTPECRTHLHPSSSSSNSSSSSYHG

>OsXTH23

MALEARFFLAAVFAVAATCLCLSAVASAFAVPSVAFDEGYSPLFGDDNLVRSSDDKSVRLLLDRRSGSGFISSDYYLHGFFSASIKLPKAYTAGVVVAFYLSNGDVYEKTHDELDFEFLGSRWGGQWRVQTNAYGNGSTARGREERYLLPFDPTLEAHRYSVLWAPTHIIFYIDDTPIREVIRHPGMGGDFPSKPMAVYATIWDGSTWATDGGKYKVNYKYAPFASEFSDLALLGCRADPVLRAPRDGGGAGCAEPDLLGLLTADYAVMTPRKRAAMRAFRARHMTYTVCYDAVRYAAGPFPECDVSDVEKESFSAWGESKNVVMKARGRGRRRGRKAGAGAMSRLDVSSS

>OsXTH24

MAAAVLAVLWACMMMMSLAPASLAASGFEEVPTIAFDEGFSPLFGEDNMVKSADGRTVSITLNRYTGSGFISSDYYHHGFFSASIKLPKDHTAGVVVAFYLSNGDVFEKTHDELDFEFLGNRYRHEWKMQTNVYGNGSTDRGREERYLMPFDPTADAHRFSILWHSRLIVFYVDGVPIREVPRTAAMGADYPSKPMALYVTIWDGSTWATDNGKYKVNYKRGPFTAVFSDLVLRGCTARSDIRLATTADDQDRCAAAEEDLMESDEYSSTMAMTARKRMAMRRFRQRQMLYTVCYDTNRYPEPFPECDVNMAERQMYWQWGESKVVRPRVRPRPGRRSKRRPSPEATAIPPPVLVSLQQAD

>OsXTH25

MTTSSWSGLLVISCMLLMSWAAAAVDMSPVRFDAAYMPLFGGDNLVPSPHARTVLLKLDRFTGSGFVSKSAYHHGFFSASIKLPHDYTAGVVVAFYLSNGDVFPGQHDELDFELLGNRRGHAWHVQTNMYGNGSTGRGREERYLLPFDPTAAPHSYAIAWTPAAVIFYIDAIPIRELVRCSSGDYPAKPMSVYATIWDGSAWATDGGRHKVDYAYAPFTAVFSDLVVTGGTDDDHCAAMGLMTSEVAVMTPAKRGSMRRFRSRHLTYSACYDTVRYNGTGVVFPECDESEQDNFHAWGESKRVINSRSSSSATYATGSGVRID

>OsXTH26

MAGRRLLVATAVVAAAAAVVAAAALEAINVTTVAFEEGYTPLFGFDNILRSADDRTVSLLLDRSTGSGFMSSSMYQHGFFSASIKLPSDYTAGVVVAFYTSNGDVIEKRHDELDFEFLGNIRGKPWRVQTNVYGNGSVSRGREERYLLPFDPTTEFHRYSILWTRAAIVFFVDDVPIREVRRTPAMTGDFPSKPMSIYATVWDASTWATSGGRYRVNYRYGPFVASFTDLALLGCRVGDPIGQMLSSAACTAAEDALLASDLAVMTLEKQQAMRRFREQNMVYSYCYDTLRYPAPFLECDVVESERRRFKGSGHLRLAFRRRRRTRPGSRPARPTRAADM

>OsXTH27

MAASRCFLLLLLLLLSPLLASAGEEEEEAVLAMAARLRRPAAASFREGYTQLFGDSNLALHGDGKRVRISLDERTGAGFASQDAYLHGFFSASIKLPPDYAAGVVVAFYMSNGDVYEKTHDELDFEFLGNIKGREWRVQTNVYGNGSTSVGREERYGLWFDPTEDFHRYAILWSHDWIVFYIDETPIREVQRTKSMGVQFPSKPMSLYATIWDGSSWATSGGRYKVNYKYAPFVAEFSELMLHGCAMDTLTRAPMCTPDIANIHNAVAMSGRQRSAMERFRTKYMTYGYCYDRLRYPTPPSECNVGPEAELFLPTGEARSIDRHGRARRHRRGPADSAF

>OsXTH28

MAMARCSLLPILAAVLLAASLSLPPRAAAYAAMVDSLLPASATALSFEEGYTQLFGDSNLMLHGDGKRVHISLDERTGAGFASQGAYHHGFFSASIKLPADHTAGVVVAFYMSNGDVYERTHDELDFEFLGNVRGREWRVQTNVYGNGSTAAGREERYGLWFDPTQDFHRYAIRWSHDTIIFYVDETPIREVVRTASMGAQFPSKPMSLYATIWDGSSWATSGGRYKVNYKYAPYVAEFTDLLLHGCPAGSPPPCEGAAASATMPPGQRSAMERFRARHMTYGYCYDRVRYHAPLPECSVGAEAEAFLPSGEARSTDRRGGRHGKRHRRAGGGVDSAL

>OsXTH29

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>AtXTH33

MKIMWETAVVFCLCSLSLVSSHSRKFTTPNVTRLTDQFSKIAIENGFSRRFGAHNIQVNGSLAKLTLDKSSGAGLVSKNKYHYGFFSARLKLPAGFASGVVVAFYLSNAETYPKSHDEIDIELLGRSRRDDWTIQTNVYANGSTRTGREEKFYFWFDPTQAFHDYTLIWNSHHTVFLVDNIPVRQFPNRGAFTSAYPSKPMSLYVTVWDGSEWATKGGKYPVNYKYAPFVVSVADVELSGCSVNNGSSTGSGPCTKSGGSISSLDPVDGQDFATLSKNQINAMDWARRKLMFYSYCSDKPRYKVMPAECN

>AtXTH08

METERRIITSCSAMTALFLFMTALMASSSIAATPTQSFEDNFNIMWSENHFTTSDDGEIWNLSLDNDTGCGFQTKHMYRFGWFSMKLKLVGGDSAGVVTAYYMCSENGAGPERDEIDFEFLGNRTGQPYIIQTNVYKNGTGNREMRHSLWFDPTKDYHTYSILWNNHQLVFFVDRVPIRVYKNSDKVPNNDFFPNQKPMYLFSSIWNADDWATRGGLEKTDWKKAPFVSSYKDFAVEGCRWKDPFPACVSTTTENWWDQYDAWHLSKTQKMDYAWVQRNLVVYDYCKDSERFPTLPWECSISPWA

>AtXTH28

MGFITRFLVFMSLFTSLVSGFALQKLPLIQFDEGYTQLFGDQNLIVHRDGKSVRLTLDERTGSGFVSNDIYLHGFFSSSIKLPADYSAGVVIAFYLSNGDLYEKNHDEIDFEFLGNIRGREWRIQTNIYGNGSTHLGREERYNLWFDPTEDFHQYSILWSLSHIIFYVDNVPIREVKRTASMGGDFPAKPMSLYSTIWDGSKWATDGGKYGVNYKYAPYVSQFTDLILHGCAVDPTEKFPSCKDEAVQNLRLASEITESQRNKMEIFRQKHMTYSYCYDHMRYKVVLSECVVNPAEAKRLRVYDPVTFGGIPHGHRRGKHRSRSRLARTESI

>AtXTH30

MSKSSYNHIFILILCLCLRSSSAFTNLNTLSFEESLSPLFGDANLVRSPDDLSVRLLLDRYTGSGFISSNMYQHGFYSSMIKLPADYTAGVVVAFYTSNGDVFEKTHDELDIEFLGNIKGKPWRFQTNLYGNGSTHRGREERYRLWFDPSKEFHRYSILWTPHKIIFWVDDVPIREVIRNDAMGADYPAKPMALYATIWDASDWATSGGKYKANYKFAPFVAEFKSFSLDGCSVDPIQEVPMDCSDSVDFLESQDYSSINSHQRAAMRRFRQRFMYYSYCYDTLRYPEPLPECVIVPAEKDRFKETGRLKFGGTEARERRRNRRQQRRPEIEIESDPDDRKLL

>AtXTH17

MKLSCGTSFAFLLLFLLAAQSVHVYAGSFHKDVQIHWGDGRGKIHDRDGKLLSLSLDKSSGSGFQSNQEFLYGKAEVQMKLVPGNSAGTVTTFYLKSPGTTWDEIDFEFLGNISGHPYTLHTNVYTKGTGDKEQQFHLWFDPTVNFHTYCITWNPQRIIFTVDGIPIREFKNPEAIGVPFPTRQPMRLYASLWEAEHWATRGGLEKTDWSKAPFTAFYRNYNVDGCVWANGKSSCSANSPWFTQKLDSNGQTRMKGVQSKYMIYNYCTDKRRFPRGVPAECT

>AtXTH27

METLSRLLVFMSLFSGLVSGFALQNLPITSFEESYTQLFGDKNLFVHQDGKSVRLTLDERTGSGFVSNDYYLHGFFSASIKLPSDYTAGVVVAFYMSNGDMYEKNHDEIDFEFLGNIREKEWRVQTNIYGNGSTHSGREERYNLWFDPTEDFHQYSILWSDSHIIFFVDNVPIREVKRTAEMGGHFPSKPMSLYTTIWDGSKWATNGGKYGVNYKYAPYIARFSDLVLHGCPVDPIEQFPRCDEGAAEDMRAAQEITPSQRSKMDVFRRRLMTYSYCYDRARYNVALSECVVNPAEAQRLRVYDPVRFGGIPRRHRNGKHRSKRSRVDGTESI

>AtXTH04

MTVSSSPWALMALFLMVSSTMVMAIPPRKAIDVPFGRNYVPTWAFDHQKQFNGGSELQLILDKYTGTGFQSKGSYLFGHFSMHIKLPAGDTAGVVTAFYLSSTNNEHDEIDFEFLGNRTGQPAILQTNVFTGGKGNREQRIYLWFDPSKAYHTYSILWNMYQIVFFVDNIPIRTFKNAKDLGVRFPFNQPMKLYSSLWNADDWATRGGLEKTNWANAPFVASYKGFHIDGCQASVEAKYCATQGRMWWDQKEFRDLDAEQWRRLKWVRMKWTIYNYCTDRTRFPVMPAECKRDRDA

>AtXTH10

MTLINRSKPFVLLVGFSIISSLLLWVSQASVVSSGDFNKDFFVTWSPTHVNTSNDGRSRTLKLDQESGASFSSIQTFLFGQIDMKIKLIRGSSQGTVVAYYMSSDQPNRDEIDFEFLGNVNGQPYILQTNVYAEGLDNREERIHLWFDPAKDFHTYSILWNIHQIVFMVDQIPIRLYRNHGEKGVAYPRLQPMSVQASLWNGESWATRGGHDKIDWSKGPFVASFGDYKIDACIWIGNTSFCNGESTENWWNKNEFSSLTRVQKRWFKWVRKYHLIYDYCQDYGRFNNKLPKECSLPKY

>AtXTH21

MVSSTLLVMSISLFLGLSILLVVHGKDFNQDIDITWGDGRGNILNNGTLLNLGLDQSSGSGFQSKAEYLYGKVDMQIKLVPGNSAGTVTTFYLKSQGLTWDEIDFEFLGNVSGDPYIVHTNVYTQGKGDREQQFYLWFDPTAAFHNYSILWNPSHIVFYIDGKPIREFKNLEVLGVAYPKNQPMRMYGSLWNADDWATRGGLVKTNWSQGPFVASFMNYNSENACVWSIVNGTTTTSPCSPGDSTSSSSSSTSEWFSQRGMDSSSKKVLRWVQRKFMVYNYCKDKKRFSNGLPVECTAKNKNTKS

>AtXTH32

MGNSLISLLSIFHLLVLWGSSVNAYWPPSPGYWPSSKVGSLNFYKGFRNLWGPQHQRMDQNALTIWLDRTSGSGFKSVKPFRSGYFGANIKLQPGYTAGVITSLYLSNNEAHPGFHDEVDIEFLGTTFGKPYTLQTNVYIRGSGDGKIIGREMKFRLWFDPTKDFHHYAILWSPREIIFLVDDIPIRRYPKKSASTFPLRPMWLYGSIWDASSWATEDGKYKADYKYQPFTAKYTNFKALGCTAYSSARCYPLSASPYRSGGLTRQQHQAMRWVQTHSMVYNYCKDYKRDHSLTPECWR

>AtXTH16

MGRILNRTVLMTLLVVTMAGTAFSGSFNEEFDLTWGEHRGKIFSGGKMLSLSLDRVSGSGFKSKKEYLFGRIDMQLKLVAGNSAGTVTAYYLSSEGPTHDEIDFEFLGNETGKPYVLHTNVFAQGKGNREQQFYLWFDPTKNFHTYSLVWRPQHIIFMVDNVPIRVFNNAEQLGVPFPKNQPMKIYSSLWNADDWATRGGLVKTDWSKAPFTAYYRGFNAAACTVSSGSSFCDPKFKSSFTNGESQVANELNAYGRRRLRWVQKYFMIYDYCSDLKRFPQGFPPECRKSRV

>AtXTH03

MDYMRIFSVFVVTLWIIRVDARVFGGRGIEKFVTFGQNYIVTWGQSHVSTLHSGEEVDLYMDQSSGGGFESKDAYGSGLFEMRIKVPSGNTGGIVTAFYLTSKGGGHDEIDFEFLGNNNGKPVTLQTNLFLNGEGNREERFLLWFNPTKHYHTYGLLWNPYQIVFYVDNIPIRVYKNENGVSYPSKPMQVEASLWNGDDWATDGGRTKVNWSYSPFIAHFRDFALSGCNIDGRSNNVGACESSNYWWNAGNYQRLSGNEQKLYEHVRSKYMNYDYCTDRSKYQTPPRECY

>AtXTH31

MALSLIFLALLVLCPSSGHSQRSPSPGYYPSSRVPTSPFDREFRTLWGSQHQRREQDVVTLWLDKSTGSGFKSLRPYRSGYFGASIKLQPGFTAGVDTSLYLSNNQEHPGDHDEVDIEFLGTTPGKPYSLQTNVFVRGSGDRNVIGREMKFTLWFDPTQDFHHYAILWNPNQIVFFVDDVPIRTYNRKNEAIFPTRPMWVYGSIWDASDWATENGRIKADYRYQPFVAKYKNFKLAGCTADSSSSCRPPSPAPMRNRGLSRQQMAALTWAQRNFLVYNYCHDPKRDHTQTPEC

>AtXTH11

MRGSDQKILLMVMVVVAVVAAAQGQEETTGFVTWGNNYYQTWGHQALVINKTSELQLTLDKNSGSGFESQLIYGSGYFNVRIKAPQTTSTGVITSFYLISRSSRHDELCFQILGKNGPPYLLNTNMYLYGEGGKDQRFRLWFDPTKDYHSYSFLWNPNQLVFYVDDTPIRVYSKNPDVYYPSVQTMFLMGSVQNGSIIDPKQMPYIAKFQASKIEGCKTEFMGIDKCTDPKFWWNRKQLSSKEKTLYLNARKTYLDYDYCSDRQRYPKVPQECGSYT

>AtXTH09

MVGMDLFKCVMMIMVLVVSCGEAVSGAKFDELYRSSWAMDHCVNEGEVTKLKLDNYSGAGFESRSKYLFGKVSIQIKLVEGDSAGTVTAFYMSSDGPNHNEFDFEFLGNTTGEPYIVQTNIYVNGVGNREQRLNLWFDPTTEFHTYSILWSKRSVVFMVDETPIRVQKNLEEKGIPFAKDQAMGVYSSIWNADDWATQGGLVKTDWSHAPFVASYKEFQIDACEIPTTTDLSKCNGDQKFWWDEPTVSELSLHQNHQLIWVRANHMIYDYCFDATRFPVTPLECQHHRHL

>AtXTH01

MEYLSIFGFVSVLYLIIRVDARAYEVNGIDQSKVGFDDNYVVTWGQNNVLKLNQGKEVQLSLDHSSGSGFESKNHYESGFFQIRIKVPPKDTSGVVTAFYLTSKGNTHDEVDFEFLGNKEGKLAVQTNVFTNGKGNREQKLALWFDPSKDFHTYAILWNPYQIVLYVDNIPVRVFKNTTSQGMNYPSKPMQVVVSLWNGENWATDGGKSKINWSLAPFKANFQGFNNSGCFTNAEKNACGSSAYWWNTGSYSKLSDSEQKAYTNVRQKYMNYDYCSDKVRFHVPPSECKWNN

>AtXTH02

MNRIRYCFELVSVLFLMFTANARARGRGAIDFDVNYVVTWGQDHILKLNQGKEVQLSMDYSSGSGFESKSHYGSGFFQMRIKLPPRDSAGVVTAFYLTSKGDTHDEVDFEFLGNRQGKPIAIQTNVFSNGQGGREQKFVPWFDPTTSFHTYGILWNPYQIVFYVDKVPIRVFKNIKKSGVNYPSKPMQLVASLWNGENWATSGGKEKINWAYAPFKAQYQGFSDHGCHVNGQSNNANVCGSTRYWWNTRTYSQLSANEQKVMENVRAKYMTYDYCSDRPRYPVPPSECRWNQ

>AtXTH15

MGPSSSLTTIVATVLLVTLFGSAYASNFFDEFDLTWGDHRGKIFNGGNMLSLSLDQVSGSGFKSKKEYLFGRIDMQLKLVAGNSAGTVTAYYLSSQGATHDEIDFEFLGNETGKPYVLHTNVFAQGKGDREQQFYLWFDPTKNFHTYSIVWRPQHIIFLVDNLPIRVFNNAEKLGVPFPKSQPMRIYSSLWNADDWATRGGLVKTDWSKAPFTAYYRGFNAAACTASSGCDPKFKSSFGDGKLQVATELNAYGRRRLRWVQKYFMIYNYCSDLKRFPRGFPPECKKSRV

>AtXTH29

MRDSIYLLWIDNRLVVIIMMVMMVSCRCVLGLENINPIFFDEGLSHLFGEGNLIRSPDDRSVRLLLDKYTGSGFISSSMYQHGFFSSLIKLPGAYTAGIVVAFYTSNGDVFVKDHDELDIEFLGNLEGKPWRFQTNMYGNGSTNRGREERYRLWFDPSKEFHRYSILWTPTKIIFWVDDVPIREILRKEEMNGDYPQKPMSLYATIWDASSWATSGGKFGVDYTFSPFVSEFKDIALDGCNVSDSFPGENNNNNIGNYNNINCSVSDQFLMSNDYSTISPKQATAMRRFRERYMYYSYCYDTIRYSVPPPECVIVTAEKNRFRDTGRLKFGGSHPKVHKARKKRRRNRSTPVVSADL

>AtXTH23

MAMISYSTIVVALLASFMICSVSANFQRDVEITWGDGRGQITNNGDLLTLSLDKASGSGFQSKNEYLFGKIDMQIKLVAGNSAGTVTAYYLKSPGSTWDEIDFEFLGNLSGDPYTLHTNVFTQGKGDREQQFKLWFDPTSDFHTYSILWNPQRIIFSVDGTPIREFKNMESQGTLFPKNQPMRMYSSLWNAEEWATRGGLVKTDWSKAPFTASYRGFNEEACVVINGQSSCPNVSGQGSTGSWLSQELDSTGQEQMRWVQNNYMIYNYCTDAKRFPQGLPRECLAA

>AtXTH14

MACFATKQPLLLSLLLAIGFFVVAASAGNFYESFDITWGNGRANIFENGQLLTCTLDKVSGSGFQSKKEYLFGKIDMKLKLVAGNSAGTVTAYYLSSKGTAWDEIDFEFLGNRTGHPYTIHTNVFTGGKGDREMQFRLWFDPTADFHTYTVHWNPVNIIFLVDGIPIRVFKNNEKNGVAYPKNQPMRIYSSLWEADDWATEGGRVKIDWSNAPFKASYRNFNDQSSCSRTSSSKWVTCEPNSNSWMWTTLNPAQYGKMMWVQRDFMIYNYCTDFKRFPQGLPKECKL

>AtXTH26

MAGLQAKTLMFVLAAALATLGRTFVEADFSKNFIVTWGKDHMFMNGTNLRLVLDKSAGSAIKSKVAHLFGSVEMLIKLVPGNSAGTVAAYYLSSTGSTHDEIDFEFLGNATGQPYTIHTNLYAQGKGNREQQFRPWFNPTNGFHNYTIHWNPSEVVWFVDGTPIRVFRNYESEGIAYPNKQGMKVFASLWNAEDWATQGGRVKTNWTLAPFVAEGRRYKARACLWKGSVSIKQCVDPTIRSNWWTSPSFSQLTASQLTKMQKIRDGFMIYDYCKDTNRFKGVMPPECSKKQF

>AtXTH24

MSPFKIFFFTTLLVAAFSVSAADFNTDVNVAWGNGRGKILNNGQLLTLSLDKSSGSGFQSKTEYLFGKIDMQIKLVPGNSAGTVTTFYLKSEGSTWDEIDFEFLGNMSGDPYTLHTNVYTQGKGDKEQQFHLWFDPTANFHTYSILWNPQRIILTVDDTPIREFKNYESLGVLFPKNKPMRMYASLWNADDWATRGGLVKTDWSKAPFMASYRNIKIDSKPNSNWYTQEMDSTSQARLKWVQKNYMIYNYCTDHRRFPQGAPKECTTSS

>AtXTH18

MKLSCGTSFAFLIMFLFAAQSMHVYAGSFHKDVQIHWGDGRGKVRDRDGKLLSLSLDKSSGSGFQSNQEFLYGKAEVQMKLVPGNSAGTVTTFYLKSPGTTWDEIDFEFLGNLSGHPYTLHTNVYTKGSGDKEQQFHLWFDPTVNFHTYCITWNPQRIIFTVDGIPIREFKNSESIGVPFPTKQPMRLYASLWEAEHWATRGGLEKTDWSKAPFTAFYRNYNVEGCVWANGKSSCPANSSWFTQQLDSNGQTRMKGVQSKYMVYNYCNDKRRFPRGVPVECS

>AtXTH19

MKSFTFLILFLFAAQSISVYAGSFHKDVKIHWGDGRGKIHDNQGKLLSLSLDKSSGSGFQSNQEFLYGKAEVQMKLVPGNSAGTVTTFYLKSPGTTWDEIDFEFLGNISGHPYTLHTNVYTKGSGDKEQQFHLWFDPTANFHTYCITWNPQRIIFTVDGIPIREFMNAESRGVPFPTKQPMRLYASLWEAEHWATRGGLEKTDWSKAPFTAYYRNYNVEGCVWVNGKSVCPANSQWFTQKLDSNGQTRMKGVQSKYMVYNYCSDKKRFPRGVPPECS

>AtXTH07

MVVSLFSSRNVFYTLSLCLFAALYQPVMSRPAKFEDDFRIAWSDTHITQIDGGRAIQLKLDPSSGCGFASKKQYLFGRVSMKIKLIPGDSAGTVTAFYMNSDTDSVRDELDFEFLGNRSGQPYTVQTNVFAHGKGDREQRVNLWFDPSRDFHEYAISWNHLRIVFYVDNVPIRVYKNNEARKVPYPRFQPMGVYSTLWEADDWATRGGIEKINWSRAPFYAYYKDFDIEGCPVPGPADCPANSKNWWEGSAYHQLSPVEARSYRWVRVNHMVYDYCTDKSRFPVPPPECSAGI

>AtXTH05

MGRLSSTLCLTFLILATVAFGVPPKKSINVPFGRNYFPTWAFDHIKYLNGGSEVHLVLDKYTGTGFQSKGSYLFGHFSMHIKMVAGDSAGTVTAFYLSSQNSEHDEIDFEFLGNRTGQPYILQTNVFTGGAGNREQRINLWFDPSKDYHSYSVLWNMYQIVFFVDDVPIRVFKNSKDVGVKFPFNQPMKIYSSLWNADDWATRGGLEKTNWEKAPFVASYRGFHVDGCEASVNAKFCETQGKRWWDQKEFQDLDANQYKRLKWVRKRYTIYNYCTDRVRFPVPPPECRRDRDI

>AtXTH20

MVSFCGRRFAFLIIFLFAAQYERVYAGSFHKDVQIHWGDGRGKILDNVGNLLSLSLDKFSGSGFQSHQEFLYGKVEVQMKLVPGNSAGTVTTFYLKSPGTTWDEIDFEFLGNISGHPYTLHTNVYTKGTGDKEQQFHLWFDPTVDFHTYCIIWNPQRVIFTIDGIPIREFKNSEALGVPFPKHQPMRLYASLWEAEHWATRGGLEKTDWSKAPFTAFYRNYNVDACVWSNGKSSCSANSSWFTQVLDFKGKNRVKWAQRKYMVYNYCTDKKRFPQGAPPECS

>AtXTH12

MAAFATKQSPLLLASLLILIGVATGSFYDSFDITWGAGRANIFESGQLLTCTLDKTSGSGFQSKKEYLFGKIDMKIKLVPGNSAGTVTAYYLSSKGETWDEIDFEFLGNVTGQPYVIHTNVFTGGKGNREMQFYLWFDPTADFHTYTVLWNPLNIIFLVDGIPIRVFKNNEANGVAYPKSQPMKIYSSLWEADDWATQGGKVKTDWTNAPFSASYRSFNDVDCCSRTSIWNWVTCNANSNSWMWTTLNSNQLGQLKWVQKDYMIYNYCTDFKRFPQGLPTECNLN

>AtXTH13

MAAFTTKQSLLLLSLLLLISLSAGSFYDNFDITWGNGRANIVESGQLLTCTLDKISGSGFQSKKEYLFGKIDMKMKLVAGNSAGTVTAYYLSSKGETWDEIDFEFLGNVTGQPYVLHTNVFTGGKGNREMQFYLWFDPTADFHTYTVLWNPLNIIFLVDGIPIRVFKNNEANGVAYPKSQPMKIYSSLWEADDWATQGGKVKTDWTNAPFSASYKSFNDVDCCSRTSLLNWVTCNANSNSWMWTTLNSNQYGQMKWVQDDYMIYNYCTDFKRFPQGLPTECNLN

>AtXTH25

MDRSTFILSLLFTLTVSTTTLFSPVFAGTFDTEFDITWGDGRGKVLNNGELLTLSLDRASGSGFQTKKEYLFGKIDMQLKLVPGNSAGTVTAYYLKSKGDTWDEIDFEFLGNLTGDPYTMHTNVYTQGKGDREQQFHLWFDPTADFHTYSVLWNPHHIVFMVDDIPVREFKNLQHMGIQYPKLQPMRLYSSLWNADQWATRGGLVKTDWSKAPFTASYRNFRADACVSSGGRSSCPAGSPRWFSQRLDLTAEDKMRVVQRKYMIYNYCTDTKRFPQGFPKECRH

>AtXTH22

MAITYLLPLFLSLIITSSVSANFQRDVEITWGDGRGQIKNNGELLTLSLDKSSGSGFQSKNEYLFGKVSMQMKLVPGNSAGTVTTLYLKSPGTTWDEIDFEFLGNSSGEPYTLHTNVYTQGKGDKEQQFKLWFDPTANFHTYTILWNPQRIIFTVDGTPIREFKNMESLGTLFPKNKPMRMYSSLWNADDWATRGGLVKTDWSKAPFTASYRGFQQEACVWSNGKSSCPNASKQGTTTGSWLSQELDSTAQQRMRWVQRNYMIYNYCTDAKRFPQGLPKECLAA

>AtXTH06

MAKIYSPSFPGTLCLCIFTLLTLMFIRVSARPATFVEDFKAAWSESHIRQMEDGKAIQLVLDQSTGCGFASKRKYLFGRVSMKIKLIPGDSAGTVTAFYMNSDTATVRDELDFEFLGNRSGQPYSVQTNIFAHGKGDREQRVNLWFDPSMDYHTYTILWSHKHIVFYVDDVPIREYKNNEAKNIAYPTSQPMGVYSTLWEADDWATRGGLEKIDWSKAPFYAYYKDFDIEGCPVPGPTFCPSNPHNWWEGYAYQSLNAVEARRYRWVRVNHMVYDYCTDRSRFPVPPPECRA

>HvXTH22

MLRGSLRWLLVLAVVVAASAGKAGRGLHRDFDAVWGKRNARFFDEGRVVELALDRETGSRLQSKDRYLFGRFDLDIRLVAGESAGTITSFYICTGGARHDEVDFEFLGNVSGEPYILHTNIFSDGKGEREQQFVLWFDPTADFHTYSILWNPLNIILYIDGTPIRVFKNNEANGVPFPTRQPVHVFASIWNAEEWATQGGRVKTDWSEAPFVAAYRRFDASSACVWHGGASPTRCGGDHLPSSASSWMGQRLDWWSWMTLNWVRMNYMTYDYCADRKRYPHGFPAECIIPIGRI

>HvXTH20

MARMAVSVLAILLAWCALAAASFDKEFDITWGDGRGKILNNGQLLTLALDKVSGSGFQSKHEYLFGKIDMQLKLVPGNSAGTVTAYYLSSQGPTHDEIDFEFLGNVTGEPYTLHTNVFTQGQGQREQQFRLWFDPTNDFHTYSILWNPKHIIFMVDDMPIRDFKNLEGKGIAFPKNQPMRLYSSLWNADDWATQGGRVKTDWSHAPFSASYRGFKADACVVTAGGRPHCGASVGTDVAPGTGAAGEWYNQELDLTRQQRMRWVQSNYMIYNYCTDPKRFAQGVPAECSM

>HvXTH16

MASLSLLPAMALLLLAMAVASSDAQPSPGYYPSSRFRPVAFNRGYSNKWGPQHQTVSGDHSAITIWLDRTCGSGFKSKHAYRNGYFATRIKLPAGYTAGTNTAFYLSNNEAHPGFHDEVDMEFLGTIPGEPYTLQTNVYVRGSGDGRIIGREMRFHLWFDPTAGFHNYAILWNPDAITFFVDDVPIRRYERKTELTFPDRPMWAYGSIWDASDWATDHGRHRADYRYQPFVARFDRFVVAGCGPGAPPSCRPVRASPVGTGLTRQQYAAMRWAQQRHMVYYYCQDFRRDRSLTPEC

>HvXTH19

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>HvXTH15

MASSVRQPWLLLLLVLLPVMATAAVFDDNYAPTWGADGYHLVDQGTEIRLTMDRNSGAGFHSKSTYGSGFFHMRIKVPGGYTAGVVTAFYLASETPYDGSDRDEVDFEFLGNVDGENITLQTNVFVNGDGDREQRLSLWFDPAADFHEYKILWNPYHLVILVDDVPIRVLRNLTGQVAEYEFPAKRMAVRASLWDGSDWATDGGRTKIDWGRAPFTAGFRGFDVDACDNASSTPCDSTDLWWNARRHRRLSVREQAAYENVRRTYMNYDYCADKDRFQNGKLPVECSYTT

>HvXTH11

MASSSSCPPPSPRPSRLLPVLVATVVLLGRGGEARQPAPLHGVVRSMAFDEGYTQLFGSGNLALRREGKRVHLALDESTGSGFASQDRFLHGFFSAAVKLPADYAAGVVVAFYLSNADVYEKTHDELDFEFLGNVRGREWRVQTNVYGNGSTGAGREERYDLPFDPTDDFHHYSILWTQHRIIFYVDETPIREVVRTEAMGAAFPSKPMSLYATIWDGSAWATLGGRYRANYKYAPFVAEFGDLVLHACPVNRIYHSAAAACGTPWYEPVAAALSGEQRASMSAFRRGHMSYSYCHDRRRYPVALSECDVAVLPRLFGPDGMKYGGDRRHRRGGRGRRSDVVM

>HvXTH03

MKAPSGLGLAYKKAVSCALCFAPDQSISTLLHSPPLCLPLCGFAVSRPTFVVGGTVFVSSWGWGAMGPWRRPCVGALLACAAIAASCCCFQLQGADAAASPSFGDNFEITGAKDHVKTSPDGQTWYLSLDNKTGVGFQTKQKYLFGWFSMKLKLVGNDSAGVVTAYYMCSDLDAAPERDELDFEFLGNRTGEPYIIQTNVYRSGVGGREMRHSLWFDPTADFHSYSILWNPKQIVFFVDKVAIREYRNSAKPNKFFPIMKPMYVFSSIWNADDWATRGGLEKTDWTKGPFVSSYSDFTADACAWPSGPAPPACAAATGDSWWDQPPAWALDDGQRRDSGWVARNLVIYDYCGDRKRFPTVPEECALRTTTS

>HvXTH02

MGKPGALVPVVALAFALVLGLELVSGGNFYEECDATWEPQNCWTYDGGNSLSLALVSNSSGLSSTSQLLYFSWSSPLNESMCGCSGSMIRSKRQFIYGTVSTMIQLVKGDSAGTVTTYYTSSVGDDHDEIDFEFLGNETGQPYTLHTNVYAAGVGGKEMQFRPWFDPTDGYHNYTIAWTPCAVVWYVDGAPIRAFRNYERTHGVAFPTTRPMHAYSSIWAAEDWATQGGRVRADWTRAPFVASYRGIDLDICECYGGDCVYTCAGAFRGCGGLTGDQRGKMQWVQDNYRIYDYCADHEAGKVPGVECSLPQY

>HvXTH14

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>HvXTH12

MEMTARFLAAAAACVWLAAAASAFDVPTVAFEEGFSPLFGDGNLVRARDDRAARLLLDRRSGSGFISSDYYLHGFFSASIKLPRDYTAGVVVAFYLSNGDVYEKTHDELDFEFLGSRWGGQWRVQTNVYGNGSTSRGREERYLLPFDPTLAAHRYSILWAPTHIIFYVDDTAIREVVRHPGMGGDFPAKPMAAYATIWDGSAWATEGGKYKVNYKYAPFASDFSDLSLRGCRVADPASPALRLAGGDGCDLLGLMTADYAVMTPQKRAAMRAFRARRMTYTVCYDAARYAAGPFPECDNSDEERGTFWAWGESKTVVMKTRGRGRRGRGSRAGAGARGRAGAASS

>HvXTH10

MAMMQIRRPHDAISHLMVIVVGAVILLQGEAQPSPGYYPSSKVSSTPFSQWYSTLWGPQHQSLSPDQTALTLWMDRSSGSGFKSKRSYRNGYFGVSMKVQPGYTAGVNTAFYLSNNEVYPGYHDEIDVELLGTVPGEPYTLQTNVYVRGTGDAHPIVGREMRFHLWFDPAAAFHHYAVLWNPDEIVFLVDDVPVRRYQKKVEATFPEREMWAYGSVWDASDWATDGGRYRSDYRYQPFVSGFKDFKVAGCEVGAPASCRPVPAGPGGGLSAQQSAAMSWAQQRAMVYYYCQDGSKDRSNYPEC

>HvXTH13

MAPSLPSSSSCWHSALLVAMLVLVVVMDQVAMAYLDDDIEVVWGDDHSFFYMDDAGDDEILALCLDETHGSGFHTKEAYLYARFDVDLMLVPDNSAGTVTTLYLMPEDVPWDYHDEVDLEFLGNVTGEPYTLHTNIFANGVGNREEQFRLWFDPTADFHTYSIDWNPKRITILVDGVPIRSFRNNEEHGVAFPTWQKMRLHGSLWNADDWATQGGRVKTDWSGAPFFARYRNLRASWCRPSPGVAWCGDEPPGSTWFERGLDAAALRRARDAHMIYDYCKDLQRYKGSGLPKECVVD

>HvXTH17

MARMGASVLVILLASCALAAASFDKEFDVTWGDGRGKILNNGQLLMLGLDKVSGSGFQSKREYLFGKIDMQLKLVPGNSAGTVTAYYLSSQGPTHDEIDFEFLGNVTGEPYTLHTNVFTQGQGQREQQFRLWFDPTNDFHTYSILWNPKHIIFLVDDMPIRDFRNMEGKGIAFPKNQPMRLYSSLWNADDWATQGGRVKTDWSHAPFSASYRGFKADACVVTVGGRPRCGASIGTDAAPGTGGAAAVGDWYNQELDLTRQQRMRWVQSNYMIYNYCTDPKRVAKGVPAECSM

>HvXTH21

MASGPSRTVPCSVLPLLLLLAGVARAAGNFYQDVDITWGDGRGKILGGGDLLTLSLDRASGSGFQSKNQYLYGRFDMQIKLVPGDSAGTVATFYLSSQGSAHDEIDFEFLGNASGQPYTVHTNVYSQGKGGREQQFRMWFDPTADFHTYSVLWNPTHILFYVDGTPIREHRNREAATGVPYLRSQAMRVYASVWDAEEWATQGGRVRTDWSRAPFVASYKGLAASGCASQDAAACANSNGAWMYQELDATALDRLQWVQKNYMIYNYCTDTWRFKDGAPPECASK

>HvXTH24

MGQARAYLLASLAAFYLVALAIPQVTADMTDEVNLLWGNCKVQRDGTGRQTVAMSLDRWTTSGFSSKIKYLFGRIDMEIKLMPGNSAGTVTTFYMMSEGPWQFHDEIDLEFLGNSTGNPYTLHTNVYARGVGSREKGYRLWFDPSQDFHTYSIIWTQQYIRFLVDNKLIRQIKNKMMNGSPYPNYQPMRVFSTIWNADDWATQGGRVKTDWTQAPFTAYFRNYKATSCSQGQNSNVCGQSSPNGLFNQQQDQMQQQQVKEVDAKYKVYDFCDDSKRRIGSSEDCQSQ

>HvXTH23

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>HvXTH18

MARMGASVLSILLASCALAAASFDKEFDVTWGDGRGKILNNGQLLTLGLDKVSGSGFQSKHEYLFGKIDMQLKLVPGNSAGTVTAYYLSSQGPTHDEIDFEFLGNVTGEPYTLHTNVFTQGQGQREQQFRLWFDPTNDFHTYSILWNPKHIIFMVDDMPIRDFKNLEGKGIAFPKNQPMRLYSSLWNADDWATQGGRVKTDWSHAPFSASYRGFKADACVVTAGGRPRCGASMGTEAAPGTGASGAAGEWYNQELDLTLQQRMRWVQSNYMIYNYCTDPKRVAKGVPAECSM

>HvXTH01

MARPSFSLHLCLAVLALAAAASEAGFYDQFDVVGSGNNVRVNDDGIAQQVALTLDQGNGGSGFSSKDKYLYGEFSVQMKLIGGNSAGTVTSFYLTSGEGDGHDEIDIEFMGNLSGDPYVMNTNVWASGDGKKEHQFYLWFDPTADFHTYKIVWNPKNIIFQVDDVPVRTFKKYDDLPYPSSQPMTVHATLWDGSYWATRHGDVKIDWTQAPFVVNYRGYTSNGCVSNGGSSACPAGSDAWMSTELDAKALGTVAWAESKYMSYDYCTDGWRFPNGFPAECSRRN

>HvXTH06

MAQRFLAVLAVALALSQVASAKSWLDKRFNTDGTVRTGYDASGQQVVMLNLNQQSGAAGFNSKQQYLYGEFSIQMKLIPGNSAGTVSCFYLSSGDDEWRDEIDMEFMGNSSGHPVVLNTNVWANGDGKKEHQFDLWFDPAADYHTYTIIWNPENILFKVDNLFIRSFKRFAGLPYPTSKPMRLHATLWDGSYWATEKGKIPINWSNAPFVVSYRNYYANACVSGGACHAGSDRWMRKQLDGDEWGTVKWAERSYMRYNYCEDGYRFPQGLPAECNRY

>HvXTH05

MARRLLAVLAVALALLQAASAKSWLDKRFNTDGTVRTGYDASGQQVVMLNLNQQSGAAGFNSKQQYLYGEFSIQMKLIPGNSAGTVSCFYLSSGDDEWRDEIDMEFMGNSSGHPVVLNTNVWANGDGKKEHQFDLWFDPAADYHTYTIIWNPENILFKVDNLFIRSFKRFAGLPYPTSKPMRLHATLWDGSYWATEKGKIPINWSNAPFVVSYRNYYANACVSGGACHAGSDRWMKKQLDGAEWGTVKWAERSYMRYNYCEDGYRFPQGLPAECNRY

>HvXTH07

MSNTSTLSSGDGDGHDEIDMEFMGNSSGPGHPVVLNTNVWVNGDGKKEHQFDLWFDPAADYHTYTIIWNPENILFKVDNLFIRSFKRFAGIPYAGSKPMRLHATLWDGSYWATEKGKVPIDWSNAPFNVLYKNYYANACASGGACHAGSDGWMNRQLDGSEWGTVKWAEQNYMRYNYCADGYRFPQGFPAECSRY

>HvXTH04

MAPALPCSRPKLLLLCVALAFLLAVDVGRADIYKDIQIIWSADHTYYFMDGDSEALALSLDFNRGSAFKSNDMYLYARIDIDIKLVEGNSAGTVCTVYTISEGPWDIHDEIDLEFLGNSTGEPYTLHTNIFAYGVGGREQQFKLWFDPSAEYHTYSIVWNPRRITIEVDGVTIRSYDNNEEHGVPFPAWQQQRVYGSLWNADDWATQGGRVKTDWKLAPFVSYYRNYNITYCRPSPGVSWCGAEPAGSPVFNLAPKARADMQWVRDMGYVIYDYCTDRSNRYNDTTRPKECSLPPRP

>HvXTH09

MACHFLLAVLLASSSWVAASSGAAADDVMVPRPTTAAALTFREGYTQLFGDSNLRLHGDGKRVHISLDERTGSGFASQGAYFHGFFSASIKLPSDYAAGVVVAFYVSNGDVYEKTHDELDFEFLGNVRGKEWRVQTNVYGDGSTAVGREERYGLWFDPTHDFHRYAILWTNRTIVFYVDGTPIREVVRSEAMGAQFPSKPMSLYATIWDGSSWATSGGRYKVEYKYAPYVAEFTDLELRGCASHDRAQPASCEPEGMPARQRAAMERVRARHMTYGYCYDRARYPAPLPECRVGAEAAMYLPSGEARSSDRRRHGKRHRRADSAL

>HvXTH08

MKATAGALLAVVATVLLRGIAAAPPRKPVDVPFEKNYVPTWAEDHIHYVNGGREVQLSLDKTTGTGFQTRGSYLFGHFSMHIKLVGGDSAGTVTAFYVPSQNSEHDEIDFEFLGNRTGQPYILQTNVFSGGKGDREQRIYLWFDPTKDYHSYSVLWNLYMIAFFVDDTPIRVFKNSKDLGVRYPFDQPMKLYSSLWNADDWATRGGREKTDWSKAPFVASYRGFHVDGCEASAEAKLCATQGARWWDQPEFQDLDAAQYRRLAWVRKEHTIYNYCTDRERYAAMSPECKRDRDV

>LcXTH06

MGAPPKKPVDVPFQKNYAPTWASDHIKYINGGSEVRLVLDKYSGTGFQSKDSYLFGHFSMKIKMVGGDSAGIVTAFYLSSEGTEHDEIDFEFLGNRTNQPYILQTNVFTGGKGDREQRIYLWFDPTKHYHSYSILWNMHQIVFFVDEVPIRIFKNSKDLGVKFPFNQPMKIYSSLWNADDWATRGGQEKTDWSKAPFVASYTTFHVDGCDASQSAMVCTTRGRMWWDQKAFQDLDGPQYRKLMWVRKKYTIYNYCDDRSRYPSVPPECVRDRDI

>LcXTH09

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>LcXTH10

MLLPILLIASSLTAAYGGNFHQDFDVTWGDGRAKIMNYGQLLTLSLDKASGSGFQSKNEYLFGKIDMQLKLVPGNSAGTVTAYYLKSQGSNWDEIDFEFLGNLSGDPYILHTNIFTQGKGNREQQFYLWFDPTRNFHTYSILWNPQHVIFSVDGRPIRVFKNGEAIGVPFLNKQPMRIYSSLWNADDWATRGGLIKTDWSKAPFTAAYRNFNANACVWSSGRSSCDSGSSSSLSNAWLTQELDVTNQRRLRWVRKNFMIYNYCTDLKRFPQGLPAECKFP

>LcXTH11

MVSPSPCVSSSIGNIMLVIFLLTCSLMVASGTNFYRDVDITWGDSRAKILNNGKVLALTLDKDSGSGFRSKNEFLFGKIDMQLKLVPGNSAGTVTAYYLSSQGKTWDEIDFEFLGNLSGDPYTVHTNVFTQGKGNREQQFQLWFDPTKAFHTYSILWNPQHIILYVDDIPIRIFKNFESKGVPFLNKQPMRIYSSLWNADNWATRGGLIKIDWSNAPFTAAYRNFKARACIMLSGISSCASQSPSLPSMAWMTQELDSASQEKLRWVQKNYMIYNYCADPNRFPQGLPPECGFA

>LcXTH03

MAPLFPLVLFLMFSSTNAENPPSPGYYPSSKFRSLGFYQGFRNLWGSQHQSVSQDQSLTIWLDRTSGSGFKSTRPFRSGYFGASIKLQPGYTAGVITAFYLSNNEVHPGNHDEVDIEFLGTTPGKPYTLQTNVYIRGSGDGRIIGREMKFHLWFDPTTDFHKYAILWGPNEIIFFVDDVPIRRYPRKSVSSFPMRPMWVYGSIWDASSWATENGKYKADYNYQPFVAHYTRFITSGCSAYSPARCYPVSVSPSGSGGLSSQQTMAMQWTQRNYMVYNYCQDPSRDHGLTPECWA

>LcXTH13

MASSSSTIHIMLPLLLLASYLIPAYAANFYQDFDSTFGDGRVRILDNGELLTLSLDKASGSGFKSKNEYLFGKIDMQLKLVPGNSAGTVTAYYLTSQGPTWDEIDFEFLGNLSGDPYILHTNVFTQGKETESNSFTSGSTQLPTSIHTPSSGIPNTSYQWQVYFSYNCLCGPPFRFSVDGTPIREFKNMESKGVQYPKNQPMRIYSSLWNADDWATRGGLVKTDWSQAPFTASYRNFNANACVWSSGTSSCDSKTQSTDNGWLNEELDSTGEERLRWVQTNYMIYDYCSDSKRFPQGFPPECNTTQQN

>LcXTH14

MASSSSNVLIMLPLLLLASSLIPAYAANFYQDFDSTFGDGRVRILNNGELLTLSLDKASGSGFKSKNEYLFGKIDMQLKLVPGNSAGTVTAYYLTSQGPTWDEIDFEFLGNLSGDPYILHTNVFTQGKGNREQQFYLWFDPTADFHTYSILWNPQHIIFSVDGTPIRKFKNMEANGVQYPKNQPMKIYSSLWNADDWATRGGLVKTDWSQAPFTASYRNFNANACVWSSGASSCDSKAQPTNNGWLNEELDSTGEERLRWVQKNYMIYDYCSDSKRFPQGFPTECNTTQQN

>LcXTH15

MPKLPLTTLFSLHGFLLTLFVVVSADFTSQIDLSWGGDRAKISEDGRLLQLSLDAVSGAGFQSKQEFLYGKIDMQIKVVPGNSAGTVTAYYLASKGTTQDEIDFEFLGNVSGQPYILHTNVYTQGKGEREQQFYLWFYVDDIPIRVYKNNEAKGVPYPKSQPMGVYSTLWDADNWATRGGLEKTDWSKAPFYAYYKDFDIEGCTVPGPADCTLKSSNWWDGPLYQQLNPIQARKYRWVRVNHMIYDYCTDKPRNPVPPPECLAGI

>LcXTH16

MLIQPSIAKPATFTQDFRVTWAQSHIKQMENGAAIQLLLDQSSGCGFASKTKYVFGRVSMKIKLIPGDSAGTVTAFYLNSDTKEIHDELDFEFLGNRSGQPYTVQTNVYAHGKGDREQRVNLWFYVDDVPIRVYKNNEARGVPYPKSQPMGIYSTLWDADNWATRGGLEKTDWSKAPFYAYYKDFDIEGCTVPGPAGCTTKSNNWWDGPLYQQLNPIQARKYKWVRVNHMVYDYCTDKHRNPVPPPECLAGI

>LcXTH17

MVASATNFHRDFDITWGGDRAKILNNGKRLTLSLDKTSGSGFRSKHSYLFGDISMQLKLVPGNSAGTVTAFYLSSSGPKWDEIDFEFLGNLSGDPYTIHTNVFTQGKVSLWMAFQSESSKMKNPWASQFPNKQPMRIYSSLWNADNWATRGGRIKTDWTKSPFIASYRNFKARACVWSSHGASSCESKSPSSVSDVWLKQELDSRSKQKLRWVRKHYMIYDYCTDSKRFAQGFPPECRYAALV

>LcXTH18

MLLFLLYASSLLATHASNFYQDFEVTWGGDGRTKILNNGELLTLSLDKASGSGFRSKNEYLFGKFDMQLKLVPGNSAGTVTAYYLSSEGPTHDEIDFEFLGNLSGEPYIVHTNVYTEGKGEREQQFYLWFDPTKDFHTYSFLWNPLHVLFYVDGTPMREFKNAEPSIRVPYPKNQPMRIYSSLWNADDWATRGGLIKTDWTQAPFTASYRNFQADACVWSSGVSSCASKLWPSSSNYTWMTLDLDSMARQRLRWVQKNYMVYNYCSDVKRFPQGLPPECSINSTA

>LcXTH19

MLPFLLLASSIIPAYAANFYQDFDTTFGDGRVRILNNGELLTLSLDKASGSGFKSKNEYLFGKIDMQLKLVPGNSAGTVTAYYLSSQGPTWDEIDFEFLGNLSGDPYILHTNVFTQGKGNREQQFYLWFDPTADFHTYSILWNPQHIIFSVDGTPIRKFKNLESNGVQYPKNQPMRIYSSLWNADDWATRGGLVKTDWSQAPFSASYRNFNANACVWSSGASSCDSKAHSTDNGWLTQELDSTGEERLRWVQKNYMIYNYCGDSKRFPQGFPPECNNTQQN

>LcXTH20

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>LcXTH21

MASSPSTIHIMLPLLLLASYLIPAYAANFYQDFDSTFGDGRVRILNNGELLTLSLDKASGSGFKSKNEYLFGKIDMQLKLVPGNSAGTVTAYYLTSQGPTWDEIDFEFLGNLSGDPYILHTNVFTQGKGNREQQFYLWFDPTADFHTYSILWNPQHIIFSVDGTPIREFKNMESNGVQYPKNQPMRIYSSLWNADDWATRGGLVKTDWSQAPFTASYRNFNANACVWSSGTSSCDSKTQSTNNGWLNEELDSTGEERLTWVQKNYMIYDYCSDSKRFPQGFPPECNNTQQN

>LcXTH22

MASSSFKIFIILPLLLLASYLKSAYAANFYQDFDSTFGDGRVRILNNGELLTLSLDKASGSGFKSKNEYLLGKIDMQLKLVPGNSAGTVTAYYLTSQGPTWDEIDFEFLGNLSGDPYILHTNVFTQGKGNREQQFYLWFDPTADFHTYSILWNPQHIIFSVDGTPIRKFKNLESKGVQYPKNQPMRIYSSLWNADDWATRGGLVKIDWSQAPFTASYRNFNANACVWSSGASSCDSKAQSPNNGWLNEELDSTGEERLRWVQQNYMIYNYCSDLKRFPQGFPPECNITQQN

>LcXTH23

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>LcXTH24

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>LcXTH25

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>LcXTH02

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>LcXTH12

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>LcXTH04

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>LcXTH01

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>LcXTH05

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>LcXTH07

MSLSHGNSVFFGLLCASLAGIGLGSIVSVGDFNKDFFVTWSPSHVNTSADGLERSLKLDPESGSGFASNDMFLFGQIDMQIKLVPGHSAGTVVAFYLSSDQPKRDELDFEFLGNVSGQPYMLQTNVFADGSDDREERMYLWFDPTEDFHTYSVLWNIHQIVFMVDWVPIRVYKNHADKGVAFPRWQPMSLKISLWNGDSWATRGGKDKINWTKGPFIASFRKYKIDACVWSGNARFCRGESTTNWWNKPRYSTLTSAQRRLFRWARKYHLLYDYCLDNQRFQNNLPKECSLPKF

>LcXTH08

MGTSTSLTHTILPLLILTFSLFVDARPATFLQDFRITWSDSHIKQIEGGRAIQLVLDQSSGCGFASKSQYLFGRVSMKIKLIPGDSAGTVTAFYMNSDTDTVRDELDFEFLGNRTGQPYTVQTNVYAHGKGDREQRVNLWFDPAADFHTYSILWNHHHVVFSIDGVPIRVYKNNEARGIPFPKFQPMGIYSTLWEADDWATRGGLEKIDWSKAPFYAYYKDFDIEGCPKPGPASCASNPRNWWEGTAYQQLNAIEARRYRWVRMNHMVYDYCTDKSRYPVTPPECMAGI

>LcXTH26

MPISANKLLFAQCLISCVAVSISAQHGHFSPPILPRLTDLFPHLTFNGSYSEFFGGPTNIRPSEDGSRIDLILDKSSGSGFVSKDHYYYGFFSAAIKLPPDYTAGVVVAFYMTNADISPHNHDELDFELLGHEKRKEWALQTNVYGNGSSTGREEKFYLWFDPTQEYHRYSILWNEHHIVFLVDNIPIREVNHSQAMSGAYPSKPMSVYSTIWDGSKWATHGGKRPVDYKYAPFQASFTELEMEGCKWNRTMPVPLCSKSGQDDQSSSDPITGDEFVSLSQQQKVGMEQVRDRFMFYSYCADRARFSVLPPECNERKVGHLQDDDDDDGRMDDKDLP

>LcXTH27

MVGALYFFMIFSFTIFLQASATLQNLPILSFDEGYTQLFGDSNLMLLKDGKTVHISLDERTGAGFVSQDLYLHGFFSASIKLPADYTAGVVVAFYMSNGDIFEKTHDELDFEFLGNIRGKEWRIQTNVYGNGSTGLGREERYGLWFDPSEDFHKYSILWTNDQIIFYVDDIPIREIRKTEAMGGDFPSKPMSLYATIWDGSKWATSGGRYKVNYKYAPYIAEFSDLVLHGCAVDPIEQSPGCDNSHNDLNRLSDSTTLISPYQRSKMEEFRKKHMTYMYCYDRVRYPTPPPECVINPREASQFQGSDGLKFGRHRRHGKRHHRTPAAATGREATTTL

>LcXTH21(ORF)

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