

Table S2. Amino acid sequences of 43 ZmTPSs

Gene ID	Amino acid sequence
Zm00001d000337	MASHPAHRSSKAADDEELPKASSTFHPSLWGSFFLTYPPTAPQRAN MKERAEVLRRVRKVLKGSTTDQLPETVNLITLQRLGLGYYYENE IDKLLHQIYSNSDYNVKDLNLVSQRFYLLRKNGYDVPSDVFLSFKTE EGGFACAAADTRSLLSLYNAAYLRKHGEEVLDEAISSTRRLRLQDLL GRLLPESPFAKEVSSSLRTPLFRRVGILEARNYIPIYETEATRNEAVLE LAKLNFNLQQLDFCEELKHCSAWWNEMIAKSKLTFVRDRIVEEYF WMNGACYDPPYSLSRILTKITGLITIIDDMFDTHGTTEDCMKFAEAF GRWDESAIHLLPEYMKDFYILMLETQSFEDALGPEKSYRVLYLKQ AMERLVELYTKKIKWRDEDYVATMSEHLQVSAESIGANALTCSAYA GMGDMSTKETFEWALSFPQFIRTFGSFVRLSNDVESTKREQTKDHS PSTVHCYMKEHGITMDDACEKIKELIEDSWKDMLEQSLALKGLPKV VPQLVFDFSRTTDNMYRDRDALTSSEALKEMIQLLFVEPIPE
Zm00001d004484	MRERAERLKAQVRQAFDAASMDVAGLVITYVDTLERLGLDNHFRDL IGGALDRIRAEELPEHGGGLHIVALRFHLLRQHGIWVSTDVFDARFD DASGFCSSLCSDDDPRLLSLYNAAHMAVPGEVVLDDAIAFARGRL LDILRGSKVRSPVSEQITRALDIPLPRFTRRLETMHYIAEYEHEETHD GLLLELARLNFVLVRLHLRELKDLSLWWRDLYNTVKLPYARDRM VEIYFWTCGMLHEEEYSLARMFFAKTFGMVSLMDDTFDVHATLDE CHKLKEAMQRWDESEVYILPEYLRMLYIQTLSNREFEEILEPNKKY RMAYTKEAYKLCSQNYLKEAIWSSQKYQPSFKEHEELSIMTSGLPML LTILTLMGYGDEATPEAFEWVSSVPPEMVRAGSQVTRFLNDLSSYKL GKHKKDMPSSVETYMVENGLTGDLKQVLPL
Zm00001d004509	MAPSNIVVQSSSTPPVAGGDEEFAPSVWGDFFVTYATPVSQASEQRM SERAELLKAQVRQAFDAASMDVAGLITYVDTLERLGLDNHFRDLIG AALERIGAEELPEHGGGLHIVALRFRLRQHGIWVSTDVFDARFEDA GGFCSSLCSDDDPRLLSLYNAAHMAVPGEVVLDDAIAFARGRLDII SKGEVRSPVSEQITRALDIPLPRFTRRLETMHYIAEYEHAAHDGLLL ELARLNFVLVRLHLRELKDLSLWWRELYNTVKLPYARDRMVEIYF WTCGMLHEEEYSLARMFFAKTFGMVSLMDDTFDVHATLDECHKL KEAMQRWDESEVSILPEYLRLLYIKTSLNFKEFEEILEPNKKYRMAY TKEAYKLCSKNYLKEAIWSNQKYQPSFKEHEELSIMTSGLPMLTILT LMGFGDEATPEAFEWVSSVPPEMVRAGSQVTRFLNDLSSYKLKGNK KDMPGVSVETYMVENGLTGDEAAAAIAALLENRWRILNQTRMEIDH TLLPAAQVVLNMARANEIYHLHGRDAYTFGADLKDVLTTFLKQVL PL
Zm00001d024207	MAAPTTLADGPRLGQQEMKKMSPSFHPTLWGDFFLSYEAPTEAQEA QMREKAAVLKEEVRNMIKGSVDVPEIVDLITLQRLNLDYHYEDEIN EKLTVVYKSNDYGGNLDLVSRRFYLLRKCGYDVSSDVFLKFKDQL GNFVEADTRSLLSLYNAAFRLIHGETVLDEAISFTMRVLQDRLEHLE SPLAEVSSALDTPLFRRVGTLEMKDYIPIYEKDAKQNKSIKFAKLN FNLLQLRYSSELKECTTWWKELRVESNLSFVRDRIVEVYFWMSSGC YDPQYSHSRILTKIVAFITLDDTLDSHATSCESMQLAEAIERWDESA

	<p>VSLLEPYMKDFYMYLLKTFSSFENELGPDKSYRVFYLKEAVKELVR EYTKKIMKWRDEDYVPKTLKEHLKVSLISIGGTLVLCSAFVGMGDVV TKKIMKWMMSDAELVKSFGIFVRLSNDIVSTKREQREKHCVSTVQC YMKQHEITMDEACEQIKELTEDSWKFMIEQGLALKEYPIIVPRTVLE FARTVDYMYKEADKYTVSHTIKDMLTSLYVKPVL</p>
Zm00001d024208	<p>MAAQTLTADGPRLGQQEMKKMSPSFHPTLWGDFFLSYEAPTEAQE AEMRERAGVLREKVRSMIKGSHDVPEIVDLIITLQRLNLDYHYEDEI NEKLTVVYNSNYDGGNLDVLSRRFYLLRCKGYHVSSDTRTLLSLYN AAYLRIHGETMLDEAISFTTRCLQDRLEHLESPIAAEVSSALDTPLFR RVGTLEMKDYPYIEKDAKQNKSIKFAKLNFNLLQLLYSSELKECTA WWKELCVESNLSFVRDRIVEVYFWMSGGCYDPQYSHSRILTKIVAF ITILDDTLDSLANSYESMQLAEVERIHEGFLHVKELVREYTKKIMKWR DEDYVPKTLKEHLKVSLISIGGTLVLCSAFVGMGDVVTKKIMEWV MSDAELVKSFGIFVRLSNDIVSTKREQREKHCVSTVQCYMKQHELT MDEACEQIKELTEDSWKFMIEQGLALKEYPIIVPRTVLEFARTVDYM YKEADKYTVSHTIKDMLTSLYVKPVL</p>
Zm00001d024210	<p>MAAPTLLTDGPRLGQQEMKKMSPSFHPTLWGDFFLSYEAPTEAQEA EMRQRAEVLREEVRNMIKGSVDPEIVDLIITLQRLNLDYHYEDEIN EKLAVVYNSNYDGGNLDVLSRRFYLLRCKGYHVSSDVFLNFKDQY GNFIEVDTRSLLSLYNAAYLRIHGETVLDEAISFTTRCLQDRLEHLES PIAAEVSSALDTPLFRRVGTLEMKDYPYIEKDAKQNKSIKFAKLNFN NLLQLLYSSELKECTWWKELRVESNLSFVRDRIVEVYFWMSGGCY DPQYSHSRILTKIVAFITILDDTLDSHANSYESMQLAEVERWDESA VSLLEPYMKDFYMYLLKTFSSFENELGPDKSYRVFYLKEAVKELVR EYTKKIMKWRDEDYVPKTLKEHLKVSLISIGGTLVLCSAFVGMGDVV TKKIMEWVMSDAELVKSFGIFVRLSNDIVSTKREQREKHCVSTVQC YMKQHEITMDEACEQIKELTEDSWKFMIEQGLALKEYPIIVPRTVLE FARTVDYMYKEADKYTVSHTIKDMLTSLYVKPVL</p>
Zm00001d024211	<p>MAALTQTTDGPRLGEQEMKKMSPASFHPTLWGDFFLSYEAPTETQE AQMREKAGVLKEEVRNMIKGSVDMPPEIVDLIITLQRLNLDYHYEDE ITEKLTVVYNSNYDGGNLDVLSRQFYLLRCKGYHVSSDVFLNFKDQY YGNFIGADTRSLLSLYNAAYLRIHGETVLDEAISFTTRCLQDRLEHLES PIAAEVSSALDTPLFRRVGTLEIKDYPIYKDAKQNKSIKFAKLNFN NLLQLLYSSELKECTSWWELRVESNLSFVRDRIVEVYFWMSGGCY DPQYSHSRILTKIVAFITILDDTLDSHANSYESMQLAKAVERWDETA VSLLEPYMKDFYMYLLKTFSSFENELGPDKSYRVFYLKEAVKELVR EYTKKIMKWRDEDYVPKTLKEHLKVSLISIGGTLVLCSAFVGMGDVV TKKIMEWVMSDAELVKSFGIFVRLSNDIVSTKREQREKHCVSTVQC YMKQHEITMDEACEQIKELIEDSWKFMIEQGLALKEYPIIVPRTVLE FARTVDYMYKEADKYTVSHTIKDMLTSLYVKPVL</p>
Zm00001d024234	<p>MAADEARSVSRHSEEDMHGKHHSTLWGDFFLHHVPCRPGQYLIM KDNVEIMKEEVKKMLLDVGSSDLSHKLDLCIDTLERLGLDYHYTKEI DELMCNVFEARDQDLDTTTSQLFYLLRKHGYHSSDVFLKFRDDK GDIVTNDARCLLRMYEAAHVRVNGEEILDNLIHTKRQLQCIVDDLE</p>

	PTLQEEVRYALETPLFRRLNRVQARQFISTYEKSTTRINMLLEFSKLD FNILLTLYCEELKDLTLWWKEFQAQANTTIYARDRMVEMHFWMMG VFFEPQYSYSRKMLTQLFMIVSVLDDLYDSHCTTEEGNAFTAALQR WDEEGVEQCPTYLRTLYTNIRATIKAIEEDLNFQNNKHAKLVKGLII DMAMCYNAAETEWDRDKKYVPATVDEHLKISARSSGCMHLVSQGFIS MGDVATSEALEWASTYPKIVRAVCIIARLANDIMSYKNLFYLQREAS NNTMVSTVQTCAKEYGTTTVEQAIEKIRELIEEAWMDITHECLRQP QPKALLERAVNLARTMDFLYKDADGYTDSRSIKGILDSLYVHLID
Zm00001d024359	MATSGPVLLVSQAQQRKSRTYTPSPWGDFFLHHVPCTPSQLLSMKE RAKVKEQQVRQIIHETIASSDLLHVFEKFRDESGAIVSGDDASCLLM LHDAAHARTHGEEILDGIVAWSKSRQLQSLVVQKNLLEPELAEVRC ALETPRFRRVKRVEARRYIPVYEKKSTRDETILEFAKLDYNISQAIYC DELKELTIMVELHFWMLGVIHDPYCSRIMIVKIFVFISLFDLMDNY STTEESNVFTAAMERWDEQMAQQLPAGLKALLVRIFNATNKIEEEL KLQGNMHAELIKKMVINSAKFYHAEVKWRDEHFVPTSLEEHLQKSI PTSACMQMANLALVSLGNVTTREDVEWVFTFPKIIRGACIVGRIAN DIVSHEREQASSDHVASTVQTCMKQYNVTIKEANEKLRAVIEEAWM DIVQDSLEQERPRALLDIINVARVADFMYKREDAYTLSFVIKDIIAS MYIYSV
Zm00001d024477	MAPPPPALAEETAAFHPSLWGDFFLTYPPTAPQQACMKERA EVLR EDVRKILMGPCELPETLGLILTLQRLALDYYYENEIDKLLHCIYDDD DSDYDDKDLNLVSLRFYLLRKNGYDVSSDVFLVFKTEEGSFAYADD TASLLSLYNAAYLRKHGEEVLDEAISFARRRCLEAGILRTPLFRRVGI LEARNYIPIYEKEAARNDAVLELAKLNFNLQQIAFCEELKHCTLWW KDFLAKSKMAFVRDRIVEVYFWMNGACYDPPYSRSRIILTKITSLVT IIDDMFDTYGTTEDC TKFHEAIGRWDESALPLLPQYMKGFYLFQLET FRSFEDELGPENSYRVHYLKKSMERLVQQYYREIKWRDENYVPKT MTEHLQVSMESIGSVALACAAYVGMGDVITKETLDWVLSYPQFLT YGIVRLSNDVVSTKREQTKDHSPSTVHCYMKEHGTTMDDACEKIK ELIEDSWKDMQLQQSLALKGLPKAVPRTVFDLRTADNMYKNCDAF TSSEVLREMIRLLFVEPIPE
Zm00001d024478	MASPPAHRSSKAAD EELPKASSTFHPSLWGSFFLTYPPTAPQRANM KERA EVLRERVRKVLKGSTTDQLPETVNLILTLQRLGLGYYYENEID KLLHQIYSNSDYNVKDLNLVSQRFYLLRKNGYDVPSDVFLSFKTEE GGFACAAADTRSLLSLYNAAYLRKHGEEVLDEAISSTRRLRLQDLLG RLLPESPFAKEVSSSLRTPLFRRVGILEARNYIPIYETEATRNEAVLEL AKLNFNLQQLDFCEELKHCSAWWNEMIAKSKLTFVRDRIVEEYFW MNGACYDPPYSLSRILTKITGLITIIDDMFDTHGTTEDCMKFAEAFG RWDESAIHLLPEYMKDFYILMLETFSFEDALGPEKSYRVLYLKQA MERLVELYSKEIKWRDDDYVPTMSEHLQVSAETIATIALTCSAYAGM GDMSIRKETFEWALSFPQFIRTFGSFVRLSNDVVSTKREQTKDHSPST VHCYMKEHGTTMDDACEKIKELIEDSWKDMLEQSLALKGLPKVVP QLVFD FSRTTDNMYRDRDALTSSEALKEMIQLLFVEPIPE
Zm00001d024479	MAAQTLTADGPRLGQQEMKKMSPSFHPTLWGDFFLSYEAPTEAQE

	<p>AEMRERAGVLREKVRSMIKGSHDVPEIVDLIITLQRLNLDYHYEDEI NEKLTVVYNSNYDGGNLVLVSRRFYLLRKCgyHVSSDTRTLLSLYN AAYLRIHGETMLDEAISFTTRCLQDRLEHLESPIAEVSSALDTPLFR RVGTLEMKDYIPIYEKDAKQNKsILEFAKLNFNLLQLLYSSELKECTA WWKELCVESNLSFVRDRIVEVYFWMSGGCYDPQYSHSRILTKIVAF ITILDDTLDLANSYESMQLAEAVERIHGFLHVKELVREYTKIEKW RDEDYVPKTLKEHLKVSLISIGGTLVLCsAFVGMGDVVTKKIMEWV MSDAELVKSFGIFVRLSNDIVSTKREQREKHCVSTVQCYMKQHELT MDEACEQIKELTEDSWKFMIEQGLALKEYPIIVPRTVLEFARTVDYM YKEADKYTVSHTIKDMLTSLYVKPVLm</p>
Zm00001d024480	<p>MERRWWNEMIAKSKLTFVRDRIVEEYFWMNGACYDPPYSLSRILT KITGLITIIDDMFDTHGTTEDCMKFAEAFGRWDESaiHLLPEYMKDF YILMLETfQSFEDALGPEKSYRVLYLKQAASILHIYPLMSALYVHESI LKEHTVIVII</p>
Zm00001d024481	<p>MASPPAHRSSKAADDEELPKVSSTFHPSLWGSFFLTyQPPTAPQRANM KERAeVLRERVrKVLKGSTTDQLPETVNLILTLQRLGLGYYENEID KLLHQIYSNSDYNVKDLNLVSQRfYLLRKNgyDVPsDVFLSFKTEE GGFACAAADTRSLLSLYNAAYLWKHGEEVLDEAISSTRLRLQDLLG RLLPESPFakeVSSSLRTPLFRRVGILEARNYIPIYETEATRNEAVLEL AKLNFNLQQLDFCEELKHCSAWWNEMIAKSKLTFVRDRIVEEYFW MNGACYDPPYSLSRILTKITGLITIIDDMFDTHGTTEDCMKFAEAFG RWDESaiHLLPEYMKDFYILMLETfQSFEDALGPEKSYRVLYLKQA MERLVELYTKIEKWRDEDYVATMSEHLKVSaESIGANALTCSAYAG MGDMSITKETFEWALSFPQFIRTFGSfVRLSNDVESTKREQTKDHSP STVHCYMKEHGITMDDACEKIKELIEDSWKDMLEQSLALKGLPKV VPQLVDFDSRTTDNMYRDRDALTSSEALKEMIQLLFVEPIPE</p>
Zm00001d024486	<p>MDATAFHPSLWGDFFVKYKPPTAPKRGHMTERaELLKEEVrKTLK AAANQITNALDLIITLQRLGLDHHYENEISELLRFVYSSSDYDDKDL YVVSLRFYLLRKHGHCvSSDVFTSFKDEEGNFVVDDTKCLLSLYNA AYVRTHGEKVLDEAITFTRRQLEASLLDPLEPALADEVHLTLQTPLF RRLRILEAINYIPIYGKEAGRNEaILELAKLNFNLAQLIYCEELKEVTL WWKQLNVETNLSFIRDRIVECHFWMTGACCEPQYSLSRVIATKMTA LITVLDDMMDTYSTTEEAMLLAEaIYRWEENAAELLPRYMKDFYL YLLKTIDSCGDELGPNRSFRtFYLKEMLKVLVRGSSQEIKWRNENY VPKTISEHLEHSGPTVGAFQVACSSfVGMGDSITKESFEWLLTYPEL AKSLMNISRLLNDTASTKREQNAGQHvSTVQCYMLKHGTTMDEAC EKIKELTEDSWKDMMELYLTPTEHPKLIAQTIVDFARTADYMYKETD GFTFSHTIKDMIakLFVDPISLF</p>
Zm00001d024667	<p>MIEAIRAALGSTGDGEINISAYDTAWVALVKSLNGDEGPQFPSCIDWI AQNQLPDGSWGDGIFFLVQDRIISTLACIIALKSWKIHDDACKKGTL STALSNNNKPSYVLYRATYIYVTHEEYILLNRHWSEEGLAFTKGCrv KDIDDTAMGFRLRLRHGYHVSPCVFKRFENGdGQFVCYARQSNQS VSAMYNLYRAADQGSFPGDDPVLQRAKSYsRAFLRERRASDQLND KWIISEGLPSEVGyGLDFPWEACLPIETRMYLEQYGGSHDVWIGK</p>

	VLYRMNMVSNMYLKAADFGNFQRLCRLEWHDLKRWCDKIS NIETYGVASRGALLRAYFLAAACIFEPSRAAERLAWARA AVLAE AIS CCLLSNVDDACACNKTTAEWL VQEFTNGDDIADSYEYSPARRDDD GPNSPA WGASSLAGVLREL VNLQASGNA AVAGCLRGAWIEWLMAW TGKETEKASRAGDTALLARTVEICSGRRRCGTEKDL D L L L R D Y S K L QQLTRCIC SRLATEAPALNGETMDKIDALDRMVGLEMRELAQCVFR SGGSSVDRETRQTFLHVTKSYYYVALCSPETVEHHISKVLFEDVV Zm00001d024669 MTTSVPVPLASQPQAPQRKPRTYTPSPWGDFFLHHTPCTPSQLLSM KERAKVKEQQVRQIIQETMASSNLLRKLELVDTLQRLGVDYRYEE IDQLLSVYDDGDKDGGGSDDL YLTS LRFYLLRKHGYTTSSDVF EK FRDERGSVSSDDASCLLMLYDAAHTRTHGEEILDDIIAWSK SRLQSL LEEK NLEPELAE EVRCALET PRFRRVKRVEARRYISAYEKKGGRDGT ILEFAKLDYNISQAIYCDELKELTVWWKDFQSHIDMRFTDRDLVELH FWMLGVIHEPYYSYSRIMMTKFFIFGNFFDDL YDNYGTTEESDVFTA AMERWDEQIAHQLSAGLKVLLASILNATNKIEEELKLQGNMHAELV KKMVIDTAKSYHAEVKWRDEHFVPATVEDHLQISIPSSGCMQITNLA LISSRGNMTTREDVEWVFTFPKIVRGACIVGRICNDIMSHEREQASL DHVASTVQTCMKQYGVTTTEEANEKLRAVIEMAWMDIVQDNLEQER PIALLDTMINVARIADFIYKREDAYTLSFSLKGHIGSMYVYSV Zm00001d029139 MASHNASVSPEMASGFHPTVWGDFFIDYSPQPSQKSEEWTAERMS QLKEK IAGLFGACTTTAEQLNLVDTLQHLSIDHHFSTQILSVL TSAHA AEELNSGGACLHDVALRFLLRQQGFVWSPEVFDRFRDENG SFDVG VADDDARGLLSLYNAAYLLTHGEAELEEAALFARQRLESMSMRGSL EYPLAQQVS RALH LPLPRTVRRVETLHYVSEYGGDP THEHEHDPSV LEFARLDFELLQRLHVKELKALS RWWKDLYNEAGVTYSRDRVVEC YLWSYTAYYEEEHARARMILAKMIALIILTDDTYDVRATLEECRRW DESAVSLLPDY LKKFY LKLMNIFEFEFELEPHEKCRVAFSRKAFT LSSNYLQEA EW FHGRYKPRFEDQVKVSTVRS GAPFAAVGLLVGMG GDVATQEAEWAMGCTDAVKAF AEVTRFMNDLAS YKRGKNKNDV DSSVECYISEHGVTAEVAF AQISSLIEDAWKTINGARFENSKLLPAVQ RVADITAS MPLMYGDNKDAFTFS DGLKGLIERLFLNRP Zm00001d029195 MAPKTVWGYFFIDYIPEPLQVSDKQRVVELKGEVARLFEDCNCKDV VERMNLVDV VQRLGIDHHFKEQIDTALKNIQGAEFNSSDLHEVSLRF RLLRQHGLWVPADQFDKFRRQEDGSFS SADIADDPKGLLGLYNAASL LIHGEEVLEEALLFARRHLESIRRGGLHDS PYLSEQVGRSLKIPLPR TLKRLEAVSYIPEYSSADDTTYIHPEILELARLDFNLLQHVHQNELRT VTQWWKGLCDVIGPDYGRDRIVECYFWAFSMY YEEEHARARMILA RLIMLASLLDDTFDDRATLQECRELNKAIERWDESDDISLLPECIQKF FLEVIRNFAEFEDELEAHEKYRVAYARKAYQLLSKSYLQEVEWCHQ GYTPSFDDHVS VSTASAGIQVLCVGM LVGMGDAATKEVFEWMIGS NNRVVRACAEVTRFMDDMADFKRGKNKTDVATTVECYMKEQNV T GEVAFDKIGSFVEDAWKTLNQAALVGDRALLPVVQRVAGLAMSM M VFFHGKIDRYTDSEHLKETLEDLFVNHVPLC Zm00001d029523 MKERRDVL I KEAKKRLTGKHDDPLAEMNLIDAVQRLGVSYHLQDEI
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	HASLQKLNSMEFSNESFHEISLQFWLLRQERYCMSCDVFQSFMDQ RKLNANIKSDVRALLALYEAHLGTPTEQFLTEAQRQTSSLRSMV GHLEKPLADKVRHALRTPSFRRMKRLEARLYIPLYEEDKEDCDEMIL ELAKLDFYLLQRIHREEVKEICEWYHGLDSPRKLFYARHRPTEAYF WALGVYYEPQYAKARKLLAKFIATITPYDDTFDNYGIWEELQPFAD VMQRWDMKEAEGNECYSDFARFMFGTMIEIENALPKDIGRRNVN FIRDIINEVCKGYVTEIGWRDTKYIPPLEEHLKVTLTICFYWGINCTA FVVFEENVTEEILKWMSRFPQIVKDSIISRLMDDIVAHEFETERDNV ATAVTCYMKQYKTTKEEASDALWNSVEQAWKSMNHEYLTWTSIPS SLLIRVINLARMMETMYKEIDGYTDSKLLKEWISMLLDQPIPF
Zm00001d032230	MATTGTTSMAPVFHPTVWGDFYFIKFVPEPLQVSDETMAERIRHLR EEVSGMFQACKNVVDKTNLVDVVQRLGIDHHFEEQIATALASIHSA GLFNSSSLHEAALRFLLRQQGFVWPADELVKFIKNEDGSFIDGITN DPKGLLSLYNAHLVTHDEGTTTLEDAIAFARQHLEAARRCSLSPL AEQVGRALGIPLPRTLKREEAIAFIPEYSSQQDQQVYSPVILELAKLD FNLLQHLHQEELKEISHTYVRTYVLNGRWWKDLSGEIGLGYVRDRI VECYFWSYTVHYERGQARARMILAKVFMLTSLDDTYDVHATLEE ARELNKAIQRWDESDVSLLPEYLKKFFVKVISNREFEDESHEKY RNVYNIKGFQTLKHYLQEAWEFHHGCTPSFKDQVNVSVITGGAQ VLSIGLLVGMGHEATREAFWAIGDTDAIWACGEVSRFMDMSAFK NGRNKMDVASSVECYIKEHNPSEVALARINSLVEDAWKTINQAPF KYPALFPVVQRVTSLAKSMTLLFLDKRDAYTYSKDFQTTLETHFVR HIPL
Zm00001d035682	MASFSCLKPQHNGSSSRIYHTICSATASEWRSLLRSRSSVSWWKKHT RLRLRCCQGSNGGDSRLSQNTGIFHPSIWGDFFLGCS SSP EAAAS SQQKAWMERCDELKEEVGRMLMVVEANSPLHERLHFIDALESLCLD HLLKEEIGAALTQIETAGVSDDCDIGTVSLWFYLLRKHRRRASPDVF VRFRDAEGGFQANDPGDLLRLYNAAHFRTHGETILDEAIAFARSRL MMLPYVKGPLLAHEVRSSLEIPLPRRVRIYESKYYIHAYETSGTLHE KVLQLAKLNSNVLQLHHQELKILTRWWEDMQIGSKLPFARDRIVE CFLWILGVYYEPCHSRARIILTMVIAIVTLLDDIFDSFATPQECEILTNC IESWDPKGAQDLPGCMKFALEKILDSYQTITNMLHREDKYRMTYLR HFTEDLVRFSNMEVKMLQKGYIPDSVEEHLKVSLRTGGCPILSCACF VGMDDIATKDFFDWISSVPKMVRALSIIRLRLADDLHSYEREQLIPHV ASTIDTYMKKHNVSIEVAQENIHKLKEESWKDLNSEWLNPCNDVYP KQLLERIFNLARTMEFMYNQEDNFTNCHNLKDTIRCLLVEPYRIHI
Zm00001d037092	MAGITGVMNMKLAARPSSGRHSRGCRAVVP SAGKQMLLVRRHPP GSASWPTRATGGGGGGVPAGATAADSSGQAK EEEEEEDRASRNTSSF EPSIWGDFFLTYSPLATSSAQKARMVHRAEQLKKQVAKLIAASGA CSLYHRIHLVDALERLCLDYLFED EINDMVTQIHNVDVSGCDLQTV AMWFYLLRNHGYRVSSDVVFAKFRDEQGGFAANNPRDLLNLNA ACLRTHGETILDEAASFTSKCLKSLAPYTYMEASLASEIKRALEIPLP RSVRIYGAKSRIA EYGNQTEANELVLELAKLNYNLVQLQHQEELKII TRWWNDLELQTRLSFARDRVVECYFWMVGVYFEPSSYRARVILSK

	<p>VLAIVSLDDTYDVYGTSQECELFTKCIESWDPAAATGGRLPGNMKFI FAKILDTCQSFEDELAPDEKYRMHYLKTFIIDLVRAYNEEVKWREQ GYVPATVEEHLQVSARSGGCHLLSCTSFVGMGDVADQEAFAEWREK MSSHVASTMESCMKEHQVPLEVARVKIQUETIDETWKDFNEEWLNLN TNSHLPRELLERIFNLTRTMVYIYQQDDAYTNCHVIKDTINSLFVEPV SIT</p>
Zm00001d045054	<p>MVAAASTTQAHWQMTGSSYACTCTAFRSISTKLAARSSAGRRSRGR RSAVDPSAGGPPLPPPVVIAGAVASPGKRMPPSPIGCTSRAATASSR QAKEDDGASRNVS GFEP SIWGDFFLTYS SPLATSSLHKAWMVHRAE QLKEEVAAKLVAASSACSLHRRHILHVLERLCLDHLFEDEISDMLA RMNDVDVSGCDLQTVAMWFYLLRKHGYSVSSDVFAEFRDEQGGG FTANSARDLLSLHCAACLATRGETILDEAISFTAKSLKSTAPYTGAA LACEIKRALEIPLRRRVRIYEAKSRIAIEYGREAEADELVMELAKLNY NLVQLQYQQELKIITRWNGLELQSRLSFARDRVVECYFWIVGVYF EPSYSRARIILTKVIAIVSLLDDTYDVYGTPQECELFTECIESWDPAVA GGLPENMKFIFGKILDYQSIEEELAPEEKYRMPYIKNFIIIDLVRAYN KEVRWREQGYVPATVEEHLQVSARSGACHLLSCASVFGMGDVAGE EAFEWVCSVPKLVQALCILRLSDDLKSYEREKMAPHVASTIESCMR EHEVPLEVARVKIQEMIDETWKDFNEEWLNMNKHQPAELLERIFNL TRTMVYMYKNDDAYTNCHVIKDTINSLFVEPVSA</p>
Zm00001d047440	<p>MQQQLPTVCDAKHGWCP LPRVNQQSKADGTAVAAAACHGAFEPS VWGDDFFVTYTSPSFSQEESEEQMGERANFLKGEVRKKFEAAAMSAI DAAMLVDVAVHLGIDHCFREEIATALRSVHEDEEGEFGSCDDLHTVA VRFLVLRQHGLWVSADVFDKFRDDKGSFSKSLLC SNPRGLLSLYNA AHMAVTPEEKVLDDAIAFARSHLVEAMIGELRSPMVEQVSRSDIPL PRFSRRLESMHYIAEYQEEEEGHDAQILELARLEFELVRS LHLREL EICRNKKDVANAHECEY GATGEEAFAFIANMTENAWRKINQACME MDPAMPLPAFKVAVVDLSRSIEIHYLGGKRDAYTFGSNLKDLVTSFLK PCA</p>
Zm00001d004279	<p>MSLRTTAWLSARPGHHQP VQCLSSPEKPRRRSANYQPTSWDYDALL SLDSGRPGDQVHPSSYYKMKRRIRDMLLKKVEPSSKLQTIDAMQRL GISYHFEDEISNILYSISNESTKAQYTYDNIAFTALKFRLLRENGFPTIL GPLGYHNYEKFITKTPSLEDANTLLLLYEASYLAFGDEEKL DVARTF SAKALKQLMPFMLPHLREGVAHSLELPLHWRASRLETRWFIDYYAR DRNMCPLLLQFAELDFNQVQYEHQKDLAVVTRWWKKIGLGEKLPF ARDRLMECFHYANGIVWDPKLGTCRQMLAKVSNLIVYLDDLYDVY GTIEELVLFTNAIARWDAIPNETLPEYMKALYSIIYDTSNEVAEHALK KHGCSMHYLLQKSWYDICLAFLVEAKWHHGNYP SIIQKYLENGW VSSSAPLLLLHAFAMLD SVVNMSTISPLQTKLRLVQHVS LILRLCND SATHLDELGRGDAPS FIALHMIENGGNENDSRKAMQE HILKSWKVI NEEAFDSCQYSMPFNKACIDLARISHCVYQGGDGF GTPNGLKKKQI RDLFLDPIDICNKQ</p>
Zm00001d018611	<p>MQQQQPLDLHSAALLFRMLRGLGIPASTDMLMSALLREESGKLAA DSDGLLALYQASYLAFFGETELDQARAFAVAKLAGRRDDGSADSCP</p>

	<p>SSTHLSLPLHWTAPRLQAMWSLKDQVERGRPDHQDQAIILQLAQLD FNLVQALHRRELAEVTRWWKETSRLGEHAFARDRVVECFCAACIA PEPRLAECREVLAKAGALIVHLDDIYDVYGTPELRAFTDAVASWE HSATRTTHSPRRSWWRRSGSSRDSGHMPSPAQYVSNGWVTSTGPLL LLHALPAAAAIPRPPIITTAACVDDYYPRLVELSSTIFRLCNDCASHEA ESERGDAPSSIACCMAEPWCAGGEEQARAAVQGVIAETWKLLNRE VCCSCAEHEESLTTMANLCLNLARVIHICIYQDGDGITTPTHRMKRM VKDLLFNPIIL</p>
Zm00001d024512	<p>MDLPRPQAPCCRRPADLRPAPCCIDAPRPSDLRGCAPAAGALWKPS ASYPRAAVPPASVRLHDISVRGEEDEQKEMLQQMTDGVRAMLGSIG DGAINISAYDTAWVALVKSLEGGNGPQFPSSLRWIVENQLPDGSWG DEEFFLVYDRMINTLACVIALESWEIHADMCEKGLSFIRENLWRLEH SGSDDWMVVSFEITFPQLLEMARDLGLDVPCDEPSLRAIYARRDAK LARIPKELLHASPTTLLLSIEGMPGLDWERLLKLQCSDFSMSPPAPT AYALMQTGDTKCLEFLNGIVSKFSGGVPFTYPPVDFEHLWVVDRIE RLGIGRHFTEIKECLEYVHRYWGDEGLPATRDGPVSDVDDTAMGF RLLRLHGYDVSPSVFKHFEQDGAFCYCPGQSNKSVTAMYNLYRAS QVAFPGEDELRRAEAYSREFLCRRRASGELKDKWVIPKDLPGEVAY ALDVPWKASLPRIETRMYLEQYGGADDVWIGKVLYRMSLVNNELL LRTAQADFRSFQRQCKLEWHGLRKWASRRNLQAYGVTSNSTLRSY FLAAASIFEPDRATERLGWARTAVLAEAVSSCLRDGRCRADGMLRE LTSGIHLRNDNPAASLVHALHELIGLLAFDNASYNLLDAWKQWL AMWTAQGHESVALLLVRTVEICSGRRRSASATDDGQAHSLSEYSQ LEQLTSSVCSKLAAAGTGDGDDLSPASVEDAADRHRVDLEMQTLA RCVLRSSSIDAVTRQTFLHVARSFYYVAHCSARTVDAHISKVLFE VV</p>
Zm00001d029648	<p>MVLSSSCTTVPHLSSLAVVQLGPWSSRIKKKTDAAVAVPAAAGRWRA RARAQDTSESAAVAKGSSLTPIVRTDAESRRTRWPTDDDDAEPLVDE IRAMLTMSDGDISVSAYDTAWVGLVPRLDGGEGPQFPAAVRWIRN NQLPDGSWGDAALFSAYDRLINTLACVVTLTRWSLEPEMRGRGLSF LGRNMWKLATEDEESMPIGFELAFPSLIELAKSLGVHDFPYDHQAL QAIYSSREIKVKRIPKEVMHTVPTSILHSLEGMPGLDWARLLKLQSS DGSFLFSPAATAYALMNTGDDRCFSYIDRTVKKFNGGVPNVYPVDL FEHIWAVDRLERLGRISRYFQKEIEQCMDYVNRHWTEGICWARNSD VKEVDDTAMAFRLRLHGYSVSPDVFKNFEKDGEFFAFVGQSNQA VTGMYNLNRASQISFPGEDVLHRAGPFSYEFLLRRKQAEALRDKWI ISKDLPGEVVYTLDLFPWYGNLPRVEARDYLEQYGGGDDVWIGKTL YRMLPLVNDVYLELARMDFNHCQALHQLEWQGLKKWYTENRLM DFGVAQEDALRAYFLAAASVYEPCCRAAERLAWARAAAILANAVSTHL RNPSFRERLEHSLRCRPSSEETDGSWFNSSSGSDAVLVKAVLRLTDSL AREAQPIHGGDPEDIHKLRLSAWAEWVREKADAADSVCNGSSAVE QEGSRMVHDKQTCLLLARMIEISAGRAAGEAASEDGDRRIIQLTGS CDSLKQKMLVSQDPEKNEEMMSHVDDDELKLRIREFVQYLLRLGEK KTGSSETRQTFLSIVKSCYAAAHCPPHVDRHISRVIFEPVSAAK</p>

Zm00001d032961	MKLLSPAAAPSSSPLFPPRIVEAAARQSGPCRIRIRIRGKAAAAGGGG GAGATGPRGSLRLAGWWRAQQQAPATATTTQQPDNVSSAKVFQTS RVETESI AKWPGKPQDLEDEHQAEAEELQPLIDQVRAMLRSMNDG DTSASAYDTAWVAMVPKVGGDGAQPQFPATVRWIVDHQLPDGSW GDSALFSAYDRMINTLACVVALTKWSLEPARCEAGLSFLHENMWRL AEEEAESMPIGFEIAFPSLIQTARDLGVVDFPYGHPALQSIYANREVK LKRI PRDMMHRVPTSILHSLEGMPDLDPRLNLQSCDGSFLFSPSA TAYALMQTGDKKCFEYIDRIVKKFNNGV PNVYPVDLFEHIWVVDRL ERLGISRYFQREIEQCMDYVNRHWTE DGICWARKSNVKD VDDTAM AFRLRLRHGYNVSPSVFKNFEKDGEFFCFVGQSTQAVTGMYNL NRA SQISFQGEDVLHRARVFSYEFLRQREEQGMIRDKWIVAKDLPGEVQ YTLD FPWYASLPRVEARTYLDQYGGKDDVWIGKTL YRMPLVNNDT YLELAIRDFNHCQALHQL ECNGLQTWYKDNCLDAFGVEPQDVLRS YFLAAACIFEPSRAAERLAWARTSMIANAISTHLRDIS EKKRLECFV HCLYEENDVSWLKRNPNDVILERALRRLINLLAQEALPIHEGQRFIH SLLSLAWTEWMLQKANKEENKYHKCSGIEPQYMVHDRQTYLLLVQ VIEICAGRIGEAVSMINNKDNDWFIQLTCATCD SLNHRMLLSQDTMK NEARINWIEKEIELNMQELAQ SLLLRCD EKTSNKKTKKTLWDVLRS LYYATHSPQH MIDRHVSRVIFEPV
Zm00001d048867	MIEAIRAALGSTGDGEINISAYDTAWVALVKSLNGDEGPQFPSCIDWI AQNQLPDGSWGDGIFFLVQDRIISTLACIIALKSWKIHDDACKKGT L STALSNNNKPSYVLYRATYIYVTHEEYILLNRHWSEEGLAFTKGCRV KDIDDTAMGFRLRLHGYHVSPCVFKRFENG DGQFVCYARQSNQS VSAMYNLYRAADQGSFPGDDPVLQRAKSYSRAFLRERRASDQLND KWIISEGLPSEVGYGLDFPWEACL PRIETRMYLEQYGGSHD VWIGK VLYRMNMVSNDMYLKA AKADFGNFQRLCRLEWHDLKRWCDKIS NIETYGVASRGALLRAYFLAAACIFEPSRAAERLAWARA AVLAEAIS CCLLSNVDDACACNKTTAEWL VQEFTNGDDIADSYEYSPARRDDD GPNSPAWGASSLAGVLREL VNLQASGNAAVAGCLRGAWIEWLMAW TGKETEKASRAGDTALLARTVEICSGRRRCGTEKD LDLLLRDYSKL QQLTRCIC SRLATEAPALNGETMDKIDALDRMVGLEMRELAQCVFR SGGSSVDRETRQTF LHVTKSYYYVALCSPETVEHHISKVLFEDVV MSPWQCM PSTATLLHVHQVTDATRRLPPIRF SHLNAPNPRPRPGCA MGATKGEKLKTLGHDLLVPATPQH KDKQSGMPEMIEAIRVALRSMG DEFPCIDWIAQNQLPDGSWGHDIFFLAQDRIINTLACVIALKSWKIH DDACTKGLSFITENMWRLTRDDENWALSGFEIIFPMLLEKAKHLGID IPLDDPMLEAIRAKRELKLNKIPREALHA EPTTFLLSIEGMPGLDWK RLRKLQCPDGSYMSSPAPTAYALMQTGDAKCFEFLDKLIDKFNGGV PFVYPMEMFGRLWAVDRLERLGISGYFKSEIEDYLDYVYRHWSEEG LAYTKGCLVKDIDDTAMGFRLRLHGYDHVSPCVFKRFENG DGQF VCYARQSSQSVSAMYNLYRAADQASFPGDDDDHVLR RARSYSRAF LRQRRASGQLNDKWIISEGLPDEVGYGLDFPWGASLPRIETRMYLE QYGGSRDVWIGKVLYRMNMVSNDMYLEVAKVDFS NFQRLCRLEW HDLKRWCDKSDLETYGVAPGGALRAYFLAAACIFEPGQAAERLAW

	ARAAVLAKAISCCLLSNNDTCACNKTTAEWLVRFTNGDNVAGYY YDYNPARRDDDEPNSPA WGASSLAGVLRELVHLQASGNAAVAECRL GAWMEWLMAWTEKETEEASHAGDTALLLARTVEICSGRLRGTEQD LELRLPDYSKLQQLTRCICSR LATEAPALIESNVLKQNGETMDKVDA LDRMVGLEMRELAQCVFRSGGSSVDRETRQTFLHVTKSYYYVALC SPETLEHHISKVLFEDVV
Zm00001d041082	MTPLRYAASPHLQPPFLGYKSSNVDGRSRTRQQAMIAERSSSSSTSG RGGQLEDRIREQLLNAELSPSSYDTAWAAMVPAPGSLAASRYPCV DWILRNQRSDGSGWGLDPSLRKDALSSTLACVLALRTWGVGEEHVG KGLRFIGHNSTSVTDCDKCDTPAGFNVIFPGMLERGIGMGLEIPLAH ADLDAILRLRDTTELKSIAASGRSKAYMSYVAEGLGDLLEDWDQAAM AYQRKNGSFFNSPATTA AAAIHNGYNKRAIGYLDALISESGSSSVPA VYPRKVHSQLRMVDTLERMGISPSFSYEINAILDMTYSSWLRNDDE VMLDMATCAMAFRLLRMHGYHVSSDALAQFSEESSFHDSIEAHLN GTEALLELYKASQVQILEEPPVLESIFSWSGKLLRRKQCSDSDDPAE VEHVLKFPSYATLDRLEHRRNIERFKTGGFQMLKSAFRVSHADEEIL TLATDGFHSSQAVYQQEIEQLNRWVKEVRLPELEFARVLPILFSA ATMFPAELSEARIAWSKSSVLTTIVDDLFDTGDSMEELNLVTLFDL WDAHQEAGFYSERVEIVFRAVYDTCKHLVGKAAAVQNRGVMEDIA DLWVDVVRAMMPEAEWRMSGRVPSMEEYLPIGEVSFAIGPIVPM AYLVGPELPEDVVGSAEYEEMLSLVNLSGRLLNDLQTYERERKQGK INSVLLLADPSYCGSVEAATREVRSVIEASRRKLLRLVLRDGA AVPRP AGQLFWNM SKVLHLFYMDRDGYSSPLTNAIDEVLKPLQMGRRRE EDQLPGRVRSNQN
Zm00001d002349	MPDVMAAALTGFSPRGVIPSRGRASLPGVARAYAERRLVAENTSLPN MHKEQLETHRNQLRKPQLPPSSYDTAWVSMVPVRGSHQTPRFPQC VEWILQNQQDDGSGWGSQSDSSVSKDVLLSTLACVLALKRWNVG RENIWRGLHFIGNFVSAMDEQFTSPIGFNFTFPGLLSLGIDMGLEFP VRQIDVCGILHRREME LKRLAVDSSFGRKAYMAFIPEGFGNMLDWD QVMKFQRKNGSLFSTPSTTAVALIHKYNDQALQYLNLLVNEFGSAVP AMYPSRVHCQLSMVDALEKMGISQRFVSEIESILDMAYNCWLQND ELMMDIATFAMAFRLLRMNGYDVSSDEL SHVAGASTFHDSLQGYL NDTKSLLELYKTSKVTLSENDLILDRIGSWSGNLLKDKMCCSRVQK DSIFGEIEYAVNFPLYSTLERLEHKRNIEHFDAGWSMLTTKSSSFRIN QEFLALAVEDFSFSQRVYRDELRLHDSWVKENKLDQLQFARQKLT CYLSAAATVFSSELS DARISWAKNGVLTTVVDDFFDVGGSKEELEN LIALVEKWHGHHAVEFYSEQVKIVFSAIYTTVNLHGAMASAAQGRD LTNHLVEIWLDLLRSMMVEAEWQRCQYVPTVEEYMTNAVVSFALG PIVLPALYFVGQELLEH AVKDEEYDKLFRVSTCGRLLNDYQSLERE GNQGKLNSVSLVLHSGGSM SIEAAKKAMQKSIDVSRDLRLVLR KESAVPRPCKELFWKMCKILHLFY SQNDGFSSPKEMVSAVNAVINEP LKVQNSTTFLSSSSR
Zm00001d002350	MAKPLNLTPAFLSLMATSCRFSSGGHAHRFASSLPCGRTTPTPTTSS STRPAAQVSPDRSKQRDDEAASETTIRQQLQQVDVLENTGISRH FAG

	<p>EIKCILDRTYRCWLERHEEIMQDTTTCAMAFRILRMNGYDVSCDLL YHVVETSGIHDPLRGHLNDTRTLELHKASTVSISEDESILDSIGLRSS TLLREQMESSGALQNPPLFREVEHALYHPFYATLDRLTHRWNIENFN TTEHQMLDTPYLSSRYTSRDILALGIRDFNSSQLTYQQELQHLKSWV KECRLDQLPFVRQNLAYFLLSAAGCMYSPELSEARTLCAKNGALIT VVDFFFDVGGSSKEELENLVMVLVELWDEHRKIEFYSEHVEIIFSSIYNS VNQYGAKASLLQDRNVTKHLVQIWLDLLKSMMTEVEWRLNKYVP TEEEYMTNASLTFALGPVLPALYFVGPKIPESIVKDPEYDELFLKMS TCGRLNDVQSFEREYKEGKLNIVSLLVLHGGSMSISDARRKLQKPI DTCRRDLLRLVLREESVVP RPCKELFWKMCKVCYFFYSRTDGFRRSP VERAKEVNAVINEPLKLQENHTHMSVL</p>
Zm00001d002351	<p>MAMPVKLTPASLSLKAVCCRFSSGGHALRFGSSSLPCWRRTPPTQRSTS SSTTRPAAEVSSGSKQHDQEASEATIRQQQLQVLDVLENMGISRHFA AEIKCILDRTYRSWLQRHEEIMLDTMTCAMAFRILRLNGYNVSSDEL YHVVEASGLHNSLGGYLNDTRTLELHKASTVSISEDESILDSIGSRS RTLLREQLES GGALRKPSLFKEVEHALDGPFYTTLDRLHHRWNIENF NIEQHMLETPYLSNQHTSRDILALSIRDFSSSQFTYQQELQHLESWV KECRLDQLQFARQKLAYFYLSAAGTMFSPELSDARTLWAKNGVLT IVDDFFDVAGSKEELENLVMVEMWDEHHKVEFYSEQVEIIFSSIYD SVNQLGEKASLVQDRSITKHLVEIWLDLLKSMMTEVEWRLSKYVPT EKEYMINASLTFGLGPVLPALYFVGPKISESIVKDPEYDELFLKMST CGRLNDVQTFEREYNEGKLNSVSLVLHGGSMSISDAKRKLQKPI DTCRRDLLSLVLREESVVP RPCKELFWKMCKVCYFFYSTTDGFSSQ VERAKEVD AVINEPLKLQGSHTLVSDV</p>
Zm00001d024514	<p>MSTVWCSSVLSATATSV PKNPSRSNPSNHLRFTFSNSSAKSSCHRFSS CRSNRPPPLYWACIESRRRISCGVQTTAQSGTRVVERNASLEIEERH ARIRKQLLKPELSPSAYDTAWVAMVPSPGSPQAPCFPQCQWILENQ LDNGSWGHNEDSSADKKETILATLACVIALKKWDVGAHITKGIQ FIARNFQTVTDEQIVVPIGFDFTFSGMFTLAINMGLQFPVRQTDIDGI LRLRENELKRYDGDKSTAIEAYCAYVAEGFENLLDWNVDMKFQAK NGSLFNPSATAAALVANYDDKALQYLNLLVTQFGSAVPTVFPQNIH CQLSMVDTLESVGISRHFSAEIKAVLDMVYSLWLQKEEEIMLDAET CAMAFRILQMNGYDVSTDWLSHIAEASN FHNSLQGYLCDTKTLLE MYKASKVILSERDLTLENIGCWTGSLLREKLCSDGAQRVPILEEEVEY ALKFPHYAIVDPLNNRRSIEHLDARGSQTLKTKYLPCHVSQDILALA VEDFCFSQSIYQDELQNIISWEKENRMDQLQFVRQRLAYCYLAAAT TISPHELSDARVACA KSIMLTVVVDFFDVGGSSKEEQENLIELVENW DEHHKVEFCSEKVEIVFYAVYNTVNQLGSMASAVQKRDTVTKHLAE TWLKVMLCMLTEADWQRRQFVPTVEEYMANAVSSLALAVIILPAQ YFLGETLSDYMKVDHEYSNLSELMFTCSRLNDIRSVEREFEAGKL NSVSLALHSGGMSIEAAKKETHGSLESYRRGLVALVRRQDSVVP RSCKELFWKLCKTIHLFYFQIDGFTSPKEMVGAVNQVINEPLELQSS NTHV</p>
Zm00001d032858	<p>MASLSFASSHASLFCCQQSSSAILRPAGALLRLSRRQPSSHTISTTDQ</p>

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Zm00001d015054	MYSLPGATMSAAPARVISSSSSSSFVEPLLLAAASSAAANSHHQVRQ RGHLVRTLAASSSSNTLLRSDFDLQEGLTTDVKRMLRQRQKSGGG REMLVTIDNLKRLCIDHFFEEEIEGAMATGACTRLLHSDDLFDATLA FRLREAGHDVSAKEDVLRRFIDGVSGDFKLSLNNDVRGLLGLHD MSHLDVGGEEAALLHRAKEFSSSHLASAVRYQDNPSLAEYVRQSLD HPYHLSLTQYKARHHLRYLQSLPSSCRDAVERLAVAQEFQLNKS QREMREIKRWWMDLGLAEEIPVVRDQVMKWYMWWSMAALQGSSF SRYRVYVVDIFDLVGTLEELSAFTEAVKMWDATAADSLPSCMRSC YKALHTVTNEIAEIAHKEHGSNPINRLRKAWVVLFDGFMVEARWLA TDQVPTAEDYLRNGVVTSGVPLTFLHIFSMLGYDDPSTEEEEAAIDH MPSIISCPAKILRLWDDMGSAEDEAQEGFDGSYRDFYLMENPSRSPG EAEAHMRGLIAREWVELNRECFCRRTFPSDIAQVCLNTARMVSVM YSYNKEQRLLVLEDYAAMMLVL
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Zm00001d053918	MPQGTLPCEYECRVLKWYMWWSMTALQGSSFSRFRVEMTKIISLVYV DDIFDFVGTLEELSLFTEAVKMWDTVAAADSLPSYMRSCYNALYTITN EIAEMAEEKKHGLNSINHLRKAWATLFDGFMVEARWLAIQVPTAED YLRNGVVTSGVPLTFVHIFTLMGCEQSIEALIDQMPSVISCPAKILRL QDDMGSAKDEAQEGFDGSYRDFYKLENPRCNRNDAAEHMRSLIAR EWEELNRECLYTRTFSSNCTRVCLNTARMIGVMYSYNKEQRLLVLE DYAKMLIL
