

>pentatricopeptide repeat protein Contig3088 (and 1348) (uncertain of completeness... GenScan inference) , 667 aa, C3D

MWRAGGQGPRLACRSHHGGGGGGARLMCGDVLPAEHRRRSGSGGALLRFAA
TSTRTPATATATLRRGQWAASLVVRRRAITGRPGAAGVLAEDMEGAVGAV
GRLLASPHARDQEAGRTLATDLLARQPLPPGGGAPSALLASARCSPSVLQ
AIATNSPAEVRTPOPLLLLPPFFPPRSYARRRRRRDSCRCRCRLGRGTT
PDSATYALGIEVRAPVWPWRHRARLPHHHHHHHHAGAVQLDGKLLASMLT
ALAHKEAYDDALRLRRQLQTAHPLASPPHAQDVQRGLISASAVKGLDRT
CLEAAHELQRLMRAPPDLNLTITILQCYSRSSLFEQEHSMLLRYLASLRS
LDPAHQKEKEAHGQLRASGTEASPPTTITGGGGGGGRAEGASWQDVVHR
ALARGPASKAGAPSSSDPGDHALHLLLEEILRSEGSFLGEQLTLRQFNPAI
YALVRTAHTTRDTTRRATPHDARMAHTHGAPQEEKSDGAPRLGQVDRALT
LVEDIQTHGLQPDIAHNTILKGFALRGDAVGAVRYYNAMLRKARTFSL
LSKSLLYARYTRHTTHDTHLYLLSISIFPYSCGKPRGAAPPLGHRIPSP
LACTWTAAAAAAGQSEVVAREVGSLOPAALVTAQLYNFDESNNVLAASP
GHIQDAYSQLLLEMQAH

>pentatricopeptide domain protein Contig19095 (and 454) (likely complete), 455 aa, D6D

MQRSMGLSRMWSQCSAASSPVAFAMRNHLQRTVVRSPAAAPWGRGSSC
LELASSSSSSSSSSGLRSSGSHRRGYATEAARDLVRREVELLEDAYRAGV
PVGRKRVVQAVQLCARTRDTLKVKKMADLGVRLPRDRVVRNSIVGAHAN
VSGGTRVGEAMEAMEAVGLAGVKPNRVTWNTLVASYAKAGQRGQALTALD
RMQEAGVLPDRVTFNTLIKAHVAVGDIEDALATFELMKARRIAPNERTYA
TLIDGHLKQGHNDRATQLLOEMEGRRIQPNRVTYTAIEGMCNRNGLGQQA
LLVFNEMVDRHGIAPDVLTYTSLKGTERRQPERAWTLYQDMLTRGVIPDA
VFYRDLIRTQRQSADDATLNQLVDKAIIEVGARMAPTMNAAGCQRLLRVLS
ERPASALHAWRAMLQAKLPLDREVFVEVASQIIGQTDGDSQARAELQATARD
YFKEE

>pentatricopeptide repeat protein Contig12805 (complete), 441 aa, B51

MSRFSAFGRRAPVQLLPSAMRINGNSFWLAGRPKHEALPLESATYTALID
VFARAKRLDKAHSLLRDMEAKGVSPSLAACIGVVRAANRPDSVGVADAVY
DKLVDEGATLDAEFYDAYISSLVGARKFRAHQIYFHMSKRQKLPATATT
YKNLITIYGESKRWDLVQDVLKMASRNVLTEAVHYSAAVLAVAKAEGID
EAFAWVERLGAEREKYPAPNEKVYNSLIEACCLDADTLDRSWRALRNMKK
AGVRPSTRTYNAILAGHSKFGRSGEISTVLEEMTKDEVPKDSYTYSLLR
AYASAADMRKAFDLYSDYKAAGFPFRHDLNHLNGLRQQAHTSHGEQ
GADSACQEGVSEALAHADALFDEMVOADMQINAFSFFNLIQANHLARNNG
KALELYDEMRRGVQLNARLVHLMGAVIATETDRLVNLNGQF

>pentatricopeptide repeat protein Contig14408 (and 4431) (likely complete), 397 aa, 4F1

MRRSELSRTLWQRGPRVLPATSFSSRATHTPALLFPSSAPRPATGVSL
LRRMLATSAQPSAASAKSIPASTMTDEDDDDVEDFAKLSQRSLFENRLQTL
EANSNEVAPRQLATLLRAMVLGKREKLKEFQPRVLALHKRVRGGTKLDGT
AVLAALSIGNLEATYAEYERLRAENIKSFELNYGYLIEVSSSQGNLQQA
FSVVDLMRRDRDLLVESRPSTFVFNRLIIACGRNQSLGRAYRAFELMHEE
GLRPTPTTFAAYIDACARTGDLQSLKVLQMKRILRLSPEKYQLDASY
TGLIPACHQPDQDFRIVAEMIREDIAPAEETLAALIKDCATNGGLSRALG
MFKELRLFQEVTOQQQSQKQKDHKQARAELAEERRKVVHKPSLGSIFF

>pentatricopeptide repeat protein E9BS9UA01EGS4T (and 9824) (uncertain of completeness), 491 aa, 1BE8

MIWEIIHACRRAGEPRRALELFVNSAKYRVWPLARQFNRLMADFMAAGDH
EGAVLTYGALRKRQVVPNAQTFGLLVRAHAAQGNADQALAAADEAKRALQ
TETLPGPVADALMGVHWKAQNFEGRLRSLVEQTSDTTRSLDGALYASLAHL
QANNVSAAADLVRQAVTATPATTEQFEKWANTLAEETSANLAQPAAGLL
RALTGVPADAALAEELAAQLDAEASAAAAARRAGNHRASRRQRTCRCRG
RCWARDQIELLHLRSSSSSSSSSYHFVTDKCLDAGEATVGDLLKALLQSSP
DYGGPYRRFSFVTSALSAADDAPLALFDLAQGV DIEAFTSPSPHDPEQQ
KRQKHQOHLQYQYRRRQEQEALVIAVAVGDHGRLLHPDYEAPAPGDFSP
EQRRHSTPDGDDGDDGAAAAADEHDTAGGGAEKEKKKPKGMLRRLFRNRS
DMGPRSWVRGWSSSSSSSSSSSSSSSSSSSSSTSTQPSKHG

>pentatricopeptide repeat protein Contig22061 (and 22096, 26926, 2336, 26990) (uncertain of completeness ... largely from PGP), 864 aa, 2581

HGYALIFHTLWKSRLVLRRELDPLVATILSTMRDQEVQVNGQCLNYLLNL
YFAYGDVAKACDLFDLLREGEGRWRAEPNVMTYTTLVVRGLAGRDAGGQLD
GSVRPDLPRALRYFEQMVKRDGVRPDRVAFTALLHVCAAEADLPRALQVW
DEMKRAGVAPDTFAFNSLLHVCNRALDLDLALKLTDGMQSRQLEPNDVTY
SSLIDLCCRVDNDFGRAHELLNEMKERGIAPTUITFTSFISAYGQAGDVER
CFDVLALMAQERVRPNQITLAGLVQACLNAGDFRKAQVQTLGDMKRRYGLA
PSAYVLYHLIHKAGPKAKTTDLLRLLERIEATEGVPLETRTYSELIKLGG
TRNELELAFLIHEKAQQQORGGNADAGQRLVDRSLFNACIQNQNPRAKALE
IVDAIMQRESLKERDVAQVDGEEVVLDEEDTRDPVNVMTFNFALLRTVDTN
TVESVIDRMKRLHVAPNMATIDLLITHYESSGRLDRMWAVLRDLQDHKVI
EREDLIYNSFIKVFLRRDDTDKAYTVFTELLTRNTPLPPATYHLFLDTRD
SRTAAAGNISDNGMDGVDGDEQHAALGAESEERAVRLRRVGERAALIPS
LVKLLYERDPSAPPTALLPFIRFCVLHYKPAELQPLVDRLERDAGRGAAL
VERIQEAYIMLHEADRAIELIHTLRQGLKVDASLYNALVRLATPESPGS
ALRLRALMRADRIDEDTQDPFAPLELQQAARPRYYNRPQQQQQHQPYPQ
RRQRLAPDYRTPAAAERHDMEVEVDLLDPEGEYQSATTTTTTREA VKDAA
AERKRRKKEKRLLNTEKADEEEGVKKEKERAKVEPIKRPKVTGDLLSLSF
SLLGQQAKKRE

>pentatricopeptide repeat protein (from g13581.t1) (likely incomplete) , 304 aa, 25F0

MALTALDELKTAGLTPATAAVMNAFMAVTPQRAPKVLAMMRDHNIEPTST
WNQLIYSVAWRLKSESDKNESGNENETSWRGRELELLEEFASADRLQOS
SGSGPASVAYGYLLEACLYAAQRISARRESTTGTGVDATEDVSGGQAVLS
ADDRAELRRVAQLADRCWRDMLAHQPTAITREACAVRMRLCLRSASRLDP
ADAAEARAGLQGAIEAYGEMRRRGLPSPLTYGALARTCARHGAFERVTQ
LVEDMRAQGVQPSTATLGATAQALTSRSAGAAAALAALRDLVLPKSTAA
PTST

>pentatricopeptide repeat protein (from g3902.t1) (uncertain of completeness), 533 aa, 16CE

MKEWRVRPSAHTFSILFNAYANLAQSPSYLPKLLKQLKDQEMPYGVVPS
VEIYNVLLKAYLALDPEKSHQELKS VIAEMQYRLKPDAITYTLWMATAA
RGIANNPKATVDVAAAFEVWDEMKNRVPNLRGYNELLKICNEGSSDR
DIAFELYKEMLVGVTDPDHTFDILLMTCWKQRFELANELFDKAVQLNA
DNKGKLVELDTHLCNSALRVCTRNEGKRGPRKSGSAEANQYLLDVISKI
TKVMFRKHLPHYDEETYALLISAYTRAGAKEKATSTFADMQSKGQVRISK
TIGALLVTCRESNDVEEVKVMIDLAKDRRVRILTDSMVEEAKTIFIKNKRY
QEWTRVERDLAEWLPTATADYATKGRRASAVEGGDEDEDINNDIEAA
SVSKHPKATRRSSSAFGKPARPGPYAEGRSRERAREEGPRRPEGGEE
SARQERRRRWREERSGGAGGGEKAQRRSRPGREP KDRVSAKNYYKDTRVK
SPSATGRKSFSGAPKPHAGRRKSPSSSLARNED

>g3824.t1 - Pentatricopeptide repeat-containing protein, putative n=2 Tax=Ricinus communis
RepID=B9SD26_RICCO, 497 aa, 1A75

MPPATHPTPAALDTPRSPAPQIPVKKSKARLAPSDLTTVEKANYMKEAL
KDETPGEVVHLWKLKRNLIIPNRDSYKLLVRAFAMEGQADEPLQLINEM
DENNIQPDLDIYNGLLNCLAEAKQGSFSGIASILLYGVRHGLTPNATSQH
LLVLAYVNAGDFRRGWRQVEVMKEKGIQPSAEVFFHALLSSMLRALPRNT
IQVVEEMVRLGIKLRKNDVQVLDICLRNEQLDDLQNFIKHMEASNTPI
EKQLTPILVFAGRRANPEFTLQLKEKYVHAGCTRHAHAHTAYESLIRSQA
AIRFPEAFKVVYVHVEQLQSSDVEVDPDMRVTYLNLIIEACSQTQQFSKA
FDTFAALESFGLKPDVQSFHAVLKGICVPGHLAAVTQVYDQLAKNDLRP
TAETFFHHVISAFLVNNELQNGLELLGVARDLEVNVGYDTCAMIVRKMARV
QHTELLERAQQAMESLGYRPPALESYLSRPRSMVLDLTLRQRRPY

NO MASS SPEC ... ONLY BLAST

>g1045.t1 - pentatricopeptide (PPR) repeat-containing protein, ---- NOT DETECTED --- 441 aa, 11C

MITHHSQGGGLMRGIEAKQRLVWVQALYVRPGPLAQLISFAQRSGDPAF
LSQSLAALPKVRMGNTIGYASLVSTLSATNNLDEMFFVYARMKEERVPLN

IFSAGALINASLRHNKLERAFEVLHDMKLYNLRIDNGLVNSFVTFYFLEKR
DVDRLLSVLDALGDRSDLSIDRVSIIDELWQRLSSPHEDSSLAYRFIERL
SAAVPPASDGTQTOSTASGQSQQHQOQGETKEGENEGGQEGEGDGRPQE
SEADKWARVGYWHRMDQLLNQLVTRGQLARAHDLTELMVSRWRLOPHK
RIITVFIRACITREAAINARGGVIISGDDQRRPVQLLDEVGRMVVEEGRLEA
DLITFTALIDANARLRRKATALRFFELMQQRGIKADTTTTYRVLLIMCSVL
RDKKEGLRLLDQAEREGVLEMALFTDVVRTIRALPDGATP

>g10450.t1 - pentatricopeptide (PPR) repeat-containing protein, ---- NOT DETECTED --- 584 aa, 1BF5

MSAGAVASSSSAPASRQPAATAAHYREVQLPDELASAVFPSSPAFMTD
DERRAADQAERELYLDRLDRRLKGIARRREKDRRLASRLQFAGGGDAIGA
MMAGKARSADQWAHVGLNRHWEEAEAEERMRREREAGILAAFEEHAEA
MKLASSSSSSASPLTAAADADDDVVPILRYWRYEEGTIGGGGGDEANDDD
ETGGHRVHHQTDETRDEGDDDDDEEDRAQQRVEGSVGNPLLWDDDDGDDGG
GREPGLTERRRRKGTCKQEEEDGPCASVDAQFLHHTKNIAAKTPGESWRAF
LVYLASLRRLDLAFALLDDLEHHDQATPSVYLSFLSACAQVVHQEADMRA
QEII SRMQARGLKPSASHYTALLSAATSPTRITAAALQAMTDAGVEPTPVT
YIAYFKACSRFAKVHGHGPTLHGYPHGFQKQRFGTSTLEKRTAMHLFGAVVT
SLVQFISPTTEQEVMMNVL RDMGKMLKLN SHFMNSLIYMYLHNDQOEKAY
ELLNRTKAGTDIEPNEFIYTTFLRYHHRREYDHCKKLLARMRHDRIPPT
HAAMSTFKLLAEQLQDPTIWAAAKELNNATKPRR

>g10770.t1 - pentatricopeptide (PPR) repeat-containing protein, ---- NOT DETECTED --- 636 aa, B09

MTTEVSIKTNTAAPYVHDERPSTNTRRGERNPNHRRRRTTASAOHVASAS
VSARSTDSASVEQLKETFNRLRERLSADAGGSGKQQPWLLWDDVVAIKQL
GGAMQRLKVRSGKLGIELDQVDFPLVWRLEIDQLHRLNGLMSALSTLPG
AGRVMQDIIENLYAQNSPVKPDVRVYKGLIARYARSRQTEQAFALDLMR
AHGLHPNLRVITALLPVCTMATVEPVFDQIRRHDLRPDRVFLVGTLELYA
RSHATDKLLELLRVMPEFKVAPDVHIFNVALQGCVNAEDLAAGWRVREM
MREFKVAPDRASVVQLIALCSQKQLRWDQQRQAWGRAERQRPHYPARPDP
QQELMDRWLGDVDFADMRHRIVPDQTI FTALMGFN SPDIERAWGLFQIML
DAGVEANEVAYNVLLKRCRDLAECDRGLALWETMRASGVPPSATTFALLL
QLCGRMPDAVEGAARAQRVWDSMVHEHGRQPDHGHLGALLYACGRTGDVD
AALALLDDVKLRHGVAPIEDTFTSLLDGLTAHNNNNNSNDNDDDDNEVDGD
GESEERDRQYEACLVRMRAEAEGVTPRMQVKYTFKMSMRRDRFDEAEW
LLGCMRRKGLPDAAHQSFAASLASAKAAASVGLVTM

>g11211.t1 - pentatricopeptide repeat-containing protein, putative, ---- NOT DETECTED --- 794 aa, 1AD8

MPAVASILRRMQSLHDQKDVGVLDALKEELSRAGQCHPFICSALIALL
GKLQRTDAALDLVTRMTQQGYVPDVFVLTALVSALGRAGEVGKAQYFFNE
IQRLGMPPTLHSYNSMIMAFARAGRIDKVRDMLEVMKHKGIEPDVRTYTE
IINNSCKAGRVAEAYQTFIEMQDVGVPDLKVYSALIAGF SHVGDHLKAQ
QLKEEMEALGLEASMITYSGLMSGLARNRQLTEMERVI EAMKKRNMVPNA
RALGDLINRMSDTPMDQAFNMAQALVQKKVEANADVWHALLRVCAKADD
VEKGIRILDVMRSHSPELVSASSYCVLIDTFKAGRVSRGATLLAHMRKH
KIKPDVSIYNVFI EGAMRETGYSKALQVFELMKAEGVRPSHTTFSILIDA
AGHAGRPEEAEAHFAAMGTSRPPDTNNYNSLIEALARNGLDKAERVLDS
LLRHHTHTDNRGSTDDHVGLARPTAKSFSSLLGFCLERKDVVRARRLAEK
MRRASVAPDAIAQRQLDQIPAEQH HHHHQHPQRPQNTADMYRELSTILN
WPEPHFPTGKFILIRDSLEADGAVLLPHFVFGYLGKANKRALLVGLQSF
HYSGVGRKLACNLKAAQTKQOFMYINALSTPYDWSAPSTSSAPAVAATPG
LDSWSLGENEDAAFKSLYHKVKAFVESSEAMDEVCIVIDNLSVLLLETQOR
PALVLDLVHYLQAFIRRTENRASLVVLVHGDVEDDQKLVKALEHRADIIM
SASGLPSGYSKEVNGQLLVHNGVVPQSKLMHFKSHDNTVRFMSK

>g11333.t1 - pentatricopeptide (PPR) repeat-containing protein ---- NOT DETECTED ---

MKQSNRIREAASIFDQHPTPFSASALISACGRRRDLKQALGVYAKFIASG
HQPNAVLIIGSLVSACRRCGEPGRALRLDDLDLRFDAIDESSFHMLAAAS
AEAGDAAAARLLVRLQEGRLPFKANSVDCGQLIKGLVTGVPDPSAGASS
RIADALALLELMEEQAI AQNSCHFTPVLAACAATGEAAIGRQLHTRIVGS
QSQA VVNDYTTAALISMYAKCGFVDEAAGVFADMRRLOQDGRCEL RVGSW

SAMIQALGQHGRGKEALALFDEMVTDRHATPDGVAVNTVLSACSHAGLVE
EALRVYSGLVAGRYGAIAPDIQHQTCCVVDALGRAGRLDEAEQFIDTISR
SEVTWRTLLGACRIHGDVARAERAVARLRKRLAPRDAPTRVLMANVYAAAG
HWEERDLERKNMDKAGVRKRPGKSWLVVDGTRHVFTVEDKRHPRIEEIRA
ELAVLWQRMKNAGFVPNTSVVLRSMADDEEAKECHLCHHSEKLAITFGLMS
TPPGTTIRVFKNLRVCPDCHEATKFAIAHLTGRDIVVRDANRFHHFHGSGQ
HCSCGDYW

>g11349.t1 - pentatricopeptide repeat-containing protein, putative,---- NOT DETECTED --- 558
aa, 79D

MLHPHAGQARPAAVLRRQRYPGLDQWAARFRKLTREKTLPIILLEMLANA
PPGPTGAKYEMLIEQCFEERKPDLATQLYDHLRAETTTTQAAAAPVPLAVF
DVLLQGYGRAGDRQRLAQVQVQDMREVGVRPGMSTYITILIDAWGKAGDLRR
MWQAWEDMREOGLRPNVVVYTSVIATLQKLGDVAAAMERTFAEMQRSSGDG
VEPNRTTYNAMVHSYGOQMMDKMEALVERMRADPGLGLDNFTHSAVVAA
WSRAGRVDKALEAFDSIAATGGQPSLHAWTAILHMLGTAGRSDEMLRITLD
KMKRLGVKVPSTAVYNTIINAFGKARNIHSMMDTFKAMRRDGVAAADVKTYN
TLIDTWAKTGKAVEAEKFFVLMKREGLQPTMYTIIASLMDAYTRADQFEKV
LRLISRKKEGRAPDNVFNLLIDTYGRMGKPEEAKEVLCGAMKEYGIAL
ETNNFTSVIEAWARNGLDKAAEELHRMNTDYATKPDIKTLTLLSFCIP
AADVKRGRRVIHMIHQKLDKQARETIRQFHAATKRPDQEKKNQPTSP
STTSPDRS

>g13583.t1 - pentatricopeptide repeat-containing protein, putative ---- NOT DETECTED --- is
this continuous with 13581???????, 553 aa, E21

ESKVKRRAILASGLPFARYAEELTALEQLPSVPANSLSTIISEYAAAGKH
EMILARLRPLVPRLRGGAGAFGLIICALQDVRGSVEVAFVAVMHQAATRPA
RSKTDKATAPDARAYHCLIGVCARQGDYTDALRVGQLMDDNRVAFTSGTY
DCLINACARSLTDKLDLSDALVGVDSVAGANNVDTGARRHPGLDAAFALLDD
MRQQRGLEPDRRIYCSLMRVCLS YGDVARMRRTFDDMRQRAGIAPDIYAF
NFLMQGCAVERDLGAAMRVLADMKLARVAPVTITYNMILNLC AETAAAAA
SESADSVDSAGTQSVDSLAAAEEQVLARMEQSRLAPPDQVTFNTLLKACAN
AAASRSAAGAAAVGGFVEALDKATAYVAAMKARDIDPDVYTYNTLLQVCS
HCPRPWKRTTVDDADTGDDAAAAAHEGQAAAAAARVDKVVVEVMREMNERGV
RPDGATVTLTLLISHFGAREDPARAFVLSDMKRANIKPYLPSFTALITACR
HYSDPAMAERSTNDLNSAARTTNCGTSAAVVGVEASSIPRSCSLCVDLK
CSD

>g15080.t1 - pentatricopeptide (PPR) repeat-containing protein,---- NOT DETECTED --- 323 aa,
E0B

NNDVDRARGVLRVMEQTISNSVDSRNSLMAARNAVNDPEGALRVLGEMGG
SEPGNGNVWTYVEAAESYLRLGDRDRALALIDTIADQVRQEGSKPGGRPR
RPSARESENESESEDEDEVEEERRATTVERQGELDLWNQVLFARFVQNGR
TAECFEVWRRMREGEGGLAPDNRTARQLIRACVQAKNMARAHQVATNMLKL
HKLKLDLSDAGWNEIIIEGYAAEQLETMWKYVEKMYREEGTYPGATTWDVVE
RTCKSHGVWDQWRARVARKQAIDSDKQKKAQERTMKRNQTKFTTRRQTT
NKKTAVKKKAKENQKVVQDNQOK

>g15695.t1 - pentatricopeptide (PPR) repeat-containing protein,---- NOT DETECTED --- 163 aa,
23C5

MATDPVAAYHQVLRVAVDHMKQAGVHPHATFSVVIDAAGFAGLPHEAERQ
FDAMTSLHGLHPQANNFTSLIEALARNGLDKAEAVLDSLAAARQPTSALK
HDRLTAKSFNTLLGFCLGAGDSARGQORVAAMKHQAGVEPTEVTQARLRDL
AKLCERRGGHTGG

>g15807.t1 - Pentatricopeptide repeat [Medicago truncatula],---- NOT DETECTED --- 242 aa, 32B

LVLPKALLGAGSRTLQRGGLGPGARRSYASTSGAAAAGRTGEEEEATTT
PTRKRSGGGGKQOREAEKVIITDITPHLAELDAEKRQKGGVDPKHVAAVLR
MVWEGREHVSEKGREGERLLRHLKWL RAGGDDGEGGVEGYTDLISALAKF
GLVDDCFVAVFDRMKGSGVQPNWYTYTALISACVPQRDRTRAMRVFEEMRE
QREDLKPDAVYTYTLLLLKANEGRTVVEVKEAMQLLTKLKKSGV

>g1661.t1 - pentatricopeptide (PPR) repeat-containing protein,---- NOT DETECTED --- 534 aa,
DE1

MKQOQGLEPDMSIYLALIRTCARHGDVSAALKVMAMVEADGLPYTLPLITTT
LANVCSTQPFPAKKGFAVLNLMQOHGIAPDLAAFNALLKCCAIVDDIAGM

QQIFQLMKEQDLSSDEFTMLSLIVGQLANDNLQAARDIVSSFRILGVTPS
VKTYHKLFSVCKRTHDLDAALNLWDQMREEQVEPDLPIFNALMDIYAHRG
DLEQVHQLLDAMKAQGLEPTPTEVACLLAVMYHRDGRVTEAGYQLVEDMR
REGKVAPHLATFSPFIDILLKADKIDEAWDVRRNMMARWDIQPDKVLNRT
FLFALAAKRDVDKIDELFRHMEAHPREFFPHCDSIVLLEHLHWARDPRSP
RVAEVLETQLRLNVAHKLSRQVFVEPALQVIDGLIDQNSFDRARKLLRYL
DPNKLETYTRLFATCRRPEHWPMLEEFWDMLMEPRRRIQPDGTVALAYLE
ALCRLGRTHDAVHFLHNMVHKQSFDPLEHYNLVLRHASSNDKWNFVRKVL
KLMRYDRVTGDNVTAAIRERLHEVDGSLEEESAE

>g5356.t1 - pentatricopeptide repeat-containing protein, putative,---- NOT DETECTED --- 161
aa, DF6

MPPHGHTPNLNFVFSGLLQVLGKARQPKALHYFAEIERSGLTPNTHCFTR
SSAALGTAGRVDDAECHFGQMAQLGVAPNLYCFSALISGFAEAGRVDAAE
HWFAKITTVGRLKPDLSYNALSQRGGGAAREGSQASAGDDPQQAQTAT
DEHRVSAFPQH

>g5406.t1 - pentatricopeptide repeat-containing protein, putative,---- NOT DETECTED --- 659
aa, 1E5D

MLQRENRRPSTERTTATTAASPQRKPSTQDVQQTAAQRIKHAGAIGEVDE
LVATIKRTHQLHPSAVSAVPLLLARTRQWETAVELVELMPRHGHGDNRRGR
RPPNTTTTGTAAASPOQRKQSPSPDVQQTQVQRIKRSAGAIGEVDELVATIK
RTHQLHPSAVSAVPLLLARTRQWETAVELVELMPRHGHGHTPNLNFVISGLLK
VLGQARQPKALHYFAEIERRGLTPDSSHCF SALITALGGAGRADEAERYF
ARMTQLGLAPNLHCF SALINALGNAGRVDAAERCFDAMDQLGVMEKLGVV
PDLHCFSTLMSALTKAGKVDAAQHVFHQIASRGLKPDLVCFNALISGFAD
AGRADEAEHWFAKITTTGRLKPDRISSALIQANEVVARPDRALALLQEM
THKGVRPDDVSYTTVISCLAKARGRHHMDQAQEVFNEMVKQGVNPNATTF
GALIHGHALMGDLETARSRLKQMSSTEFNLAPAAEIHNILMDAEKRVATDP
VEAYHQVLRVAVDHMKQEGVRPDHATFSIVIDAAGFAGLPHEAEHQFHAMT
SLHGLHPNANNFTSLIEALARNGLDQKAEAVLDSLAAARQATSALHDRLT
AKSFNTLLGFCIGAGDAARGQRVAAKMHQAGVEPDDIGQAKLRDLAKLCE
RRAAPPTPK

>g9903.t1 - Pentatricopeptide (PPR) repeat-containing protein-like ---- NOT DETECTED --- n=2

Tax=*Oryza sativa* RepID=Q5VS02_ORYSJ, 168 aa, D77
MQAEGVESDPATFTLIIIDAAASGDAERCFGAYADMRRDQVMPTVATYA
TLLRFCEKHGNVEKACALWEDIKADQIRLPWNVICFLLRATLTNNKTDTA
FRLAEELSQLYKPOFVYSQLLTICDQLADVWQAERVVWRVMRAKKIPVYAR
TKQLLADFGLNPDEPHHT